SUP

MAY 2024

PROJECT ID: 8895-00-14

WITH: N/A

COUNTY: ASHLAND

ORDER OF SHEETS

TOTAL SHEETS = 112

39

N

DESIGN DESIGNATION 8895-00-13

A.A.D.T.	2024	=	330
A.A.D.T.	2044	=	370
D.H.V.		=	37
D.D.		=	50/50
T.		=	12.0%
DESIGN SPEED		=	30 MPH
ESALS		=	66,000

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

UTILITIES

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

C ASHLAND, PRENTICE AVE

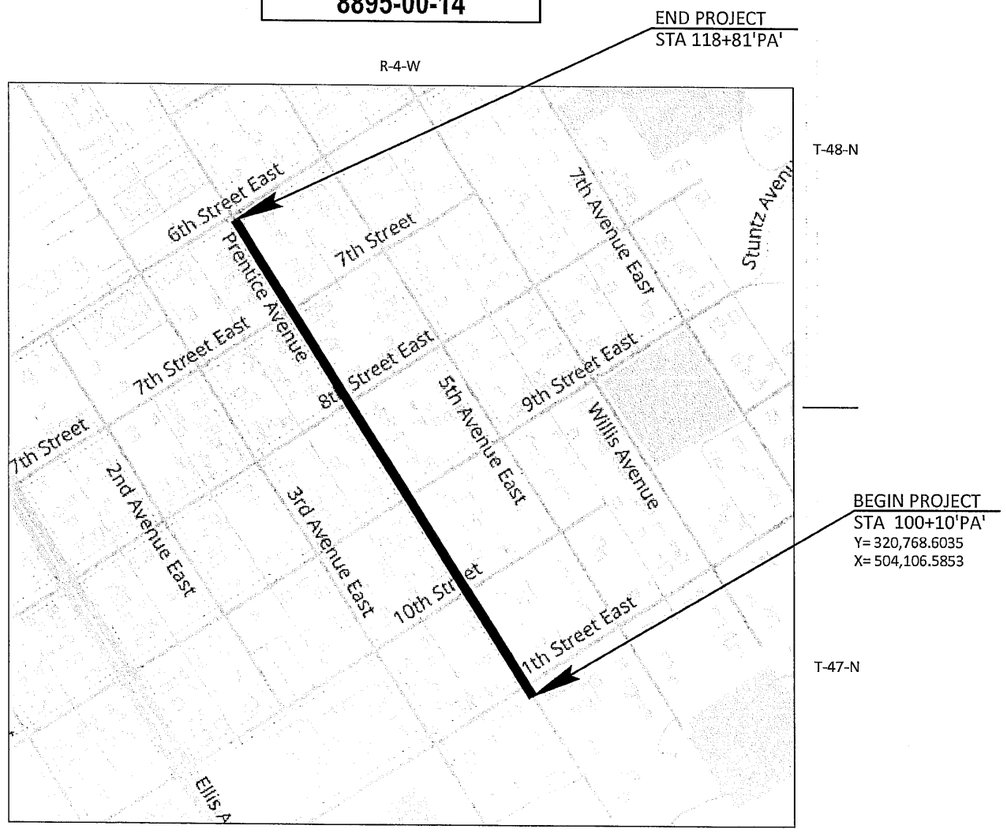
11TH STREET E TO 6TH STREET E

LOC STR

ASHLAND COUNTY

STATE PROJECT NUMBER
8895-00-14

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
8895-00-14	WISC 2024343	1



LAYOUT

SCALE 0 500 FT

TOTAL NET LENGTH OF CENTERLINE = 0.354 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), ASHLAND COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

ACCEPTED FOR

CITY of ASHLAND

02/21/24 (Date)

Director of PW (Signature & Title of Official)

ORIGINAL PLANS PREPARED BY

SEH Building a Better World for All of Us™

Short Elliott Hendrickson Inc.
10 North Bridge Street
Chippewa Falls, WI 54729-2550
715.720.8200 main | 888.908.8166 fax
800.472.5881 toll free | www.sehinc.com

WISCONSIN PROFESSIONAL ENGINEER
JOSHUA M. WOLLER
E-42424-6
FITCHBURG
WI

02-20-2024 (Date)

(Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	SEH
Designer	SEH
Project Manager	PAULA GROOM, PE
Regional Examiner	TOU YANG, PE
Regional Supervisor	JEFFREY OLSON, PE

APPROVED FOR THE DEPARTMENT

DATE: 2/21/2024 (Signature)

E

FILE NAME : X:\AE\A\ASHLA\168766\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\89950014\SHEETS\SEC 01 TITLE\010101-TI (TITLE SHEET PRENTICE AVE).DWG

PLOT DATE : 2/20/2024 4:37 PM

PLOT BY : SEH

PLOT NAME :

STANDARD ABBREVIATIONS

ABUT	ABUTMENT
AC	ACRE
AGG	AGGREGATE
AECPRC	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE
AECPCS	APRON ENDWALL FOR CULVERT PIPE CORRUGATED STEEL
ASPH	ASPHALTIC
AVG	AVERAGE
ADT	AVERAGE DAILY TRAFFIC
BF	BACK FACE
BM	BENCH MARK
BR	BRIDGE
CE	COMMERCIAL ENTRANCE
C/L	CENTER LINE
Δ	CENTRAL ANGLE OR DELTA
COB	CENTER OF BARRIER
CONC	CONCRETE
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CR	CREEK
CY	CUBIC YARD
C&G	CURB AND GUTTER
D	DEGREE OF CURVE
DHV	DESIGN HOUR VOLUME
DISCH	DISCHARGE
DG	DITCH GRADE
DWY	DRIVEWAY
X	EAST GRID COORDINATE
EAT	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
EOR	END POINT OF RADIUS
EL	ELEVATION
ENT	ENTRANCE
ESALS	EQUIVALENT SINGLE AXLE LOADS
EXC	EXCAVATION
EBS	EXCAVATION BELOW SUBGRADE
EXIST	EXISTING
FC	FACE OF CURB
FF	FACE TO FACE
FERT	FERTILIZE
FE	FIELD ENTRANCE
FL	FLOW LINE
FO	FIBER OPTIC
CWT	HUNDREDWEIGHT
HYD	HYDRANT
ID	INSIDE DIAMETER
INV	INVERT
IP	IRON PIPE ON PIN
LHF	LEFT-HAND FORWARD
L	LENGTH OF CURVE
LF	LINEAR FOOT
LC	LONG CHORD OF CURVE
LS	LUMP SUM
MH	MANHOLE
MOR	MID POINT OF RADIUS
NC	NORMAL CROWN
NO	NUMBER
OBLIT	OBLITERATE
PAVT	PAVEMENT
PE	PRIVATE ENTRANCE
PVRC	POINT OF VERTICAL REVERSE CURVE
QOR	QUARTER POINT OF RADIUS
R	RADIUS
REQ'D	REQUIRED
RES	RESIDENCE OR RESIDENTIAL
RHF	RIGHT-HAND FORWARD
R/W	RIGHT-OF-WAY
R	RIVER
RDWY	ROADWAY
R/L	REFERENCE LINE
SALV	SALVAGED
SAN	SANITARY SEWER
SF	SQUARE FEET
SY	SQUARE YARD
SDD	STANDARD DETAIL DRAWINGS
STA	STATION
SS	STORM SEWER
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
SE	SUPERELEVATION RATE
TC	TOP OF CURB
T OR TN	TOWN
T	TRUCKS (PERCENT OF)
TYP	TYPICAL
VAR	VARIABLE
VC	VERTICAL CURVE
Y	NORTH GRID COORDINATE
YD	YARD

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPERANGE (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 = 3.3 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 2.9 ACRES

CITY CONTACT:

CITY OF ASHLAND
601 MAIN STREET WEST
ASHLAND, WI 54806
TELEPHONE: 715.685.1648
ATTENTION: JOHN BUTLER
EMAIL: JBUTLER@COAWI.ORG

DESIGN CONTACT:

SHORT ELLIOTT HENDRICKSON INC
6808 ODANA ROAD, SUITE 200
MADISON, WI 53719
TELEPHONE: 608.620.6176
ATTENTION: JOSHUA WOLLER
EMAIL: JWOLLER@SEHINC.COM

DNR AREA LIAISON:

WI DEPT OF NATURAL RESOURCES
DNR SERVICE CENTER
810 W. MAPLE STREET
SPOONER, WI 54801
TELEPHONE: 715.416.0478
ATTENTION: SHAWN HASELEU
EMAIL: SHAWN.HASELEU@WISCONSIN.GOV

UTILITY CONTACT LIST:

BRIGHTSPEED
425 ELLINGSON AVENUE
HAWKINS, WI 54530
ATTENTION: BEN BAKER
TELEPHONE: 715.567.0725
EMAIL: BEN.BAKER@BRIGHTSPEED.COM

CITY OF ASHLAND PUBLIC WORKS - WATER
1901 KNIGHT ROAD
ASHLAND, WI 54806
ATTENTION: BRIAN LEDIN
TELEPHONE: 715-685-1655
EMAIL: BLEDIN@COAWI.ORG

MERIT NETWORK
880 TECHNOLOGY, SUITE B
ANN ARBOR, MI 48108
ATTENTION: DUSTIN LAPOINTE
TELEPHONE: 734.476.1600
EMAIL: DLAPOINT@MERIT.EDU

XCEL ENERGY - ELECTRIC
2400 FARM ROAD
ASHLAND, WI 54806
ATTENTION: MATTHEW ROONI
TELEPHONE: 715.682.6982
EMAIL: MATTHEW.W.ROONI@XCELENERGY.COM

XCEL ENERGY - GAS
1751 LIBERTY STREET
IRONWOOD, MI 49938
ATTENTION: CHERI MARCHELLO
TELEPHONE: 906.767.5125
EMAIL: CHERI.J.MARCHELLO@XCELENERGY.COM

BORING LOG:

BORING NO.	STATION	ASPHALTIC PAVEMENT DEPTH (IN)	BASE DEPTH (IN)	SUBBASE MATERIAL
B-1	102+60	5	5	DAMP DARK CLAY
B-2	109+50	4.5	7	DAMP REDDISH BROWN CLAY
B-3	116+25	5	6.5	DAMP GRAY AND BROWN CLAY

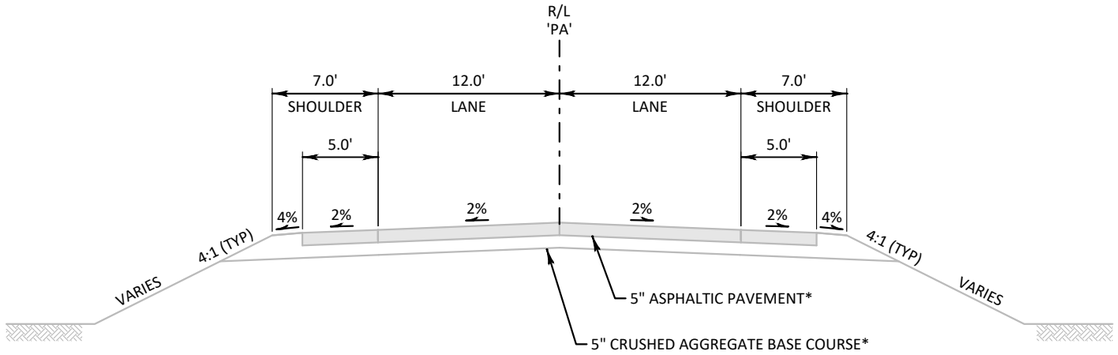
GENERAL NOTES:

1. NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.
2. 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.
3. THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.
4. PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLANS WITH THE ENGINEER.
5. CONCRETE COLLAR REQUIRED AT JOINTS BETWEEN EXISTING AND NEW STORM SEWER PIPE.
6. JOINT TIES WILL BE REQUIRED ON THE ENDWALL AND LAST 2 SECTIONS PER STD 520 AND 524 ON ALL CULVERT PIPES.
7. INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.
8. WETLANDS, WATERWAYS, AND OTHER ENVIRONMENTALLY SENSITIVE AREAS SHALL BE PROTECTED AT ALL TIMES. DO NOT STORE EQUIPMENT OR MATERIALS NEAR THESE SITES UNLESS APPROVED BY THE ENGINEER.
9. BROKEN CONCRETE CONTAINING RE-BAR SHALL NOT BE USED AS RIPRAP.
10. CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL WHERE REQUIRED. TOPSOIL SHALL BE REPLACED WITH 4-INCH TYPICAL DEPTH.
11. TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
12. THE EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
13. ASPHALTIC AND CONCRETE SURFACES SHALL BE SAWCUT AT THE MATCH LINE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.
14. DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE SALVAGED TOPSOILED, FERTILIZED AND SEEDED.
15. FERTILIZER SHALL NOT BE USED NEAR NAVIGABLE WATERWAYS OR WETLANDS.
16. A CONVERSION FACTOR OF 2.0 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR BAD 1 1/4-INCH, 2.1 TONS/CY FOR BAD 3/4-INCH, AND 1.9 TONS/CY FOR SELECT CRUSH MATERIAL.
17. APPLY TACK COAT AT A RATE OF 0.05 GA/SY BETWEEN LAYERS OF HMA PAVEMENT.
18. HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.
19. THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN AND TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING OR PARKING LANE.

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

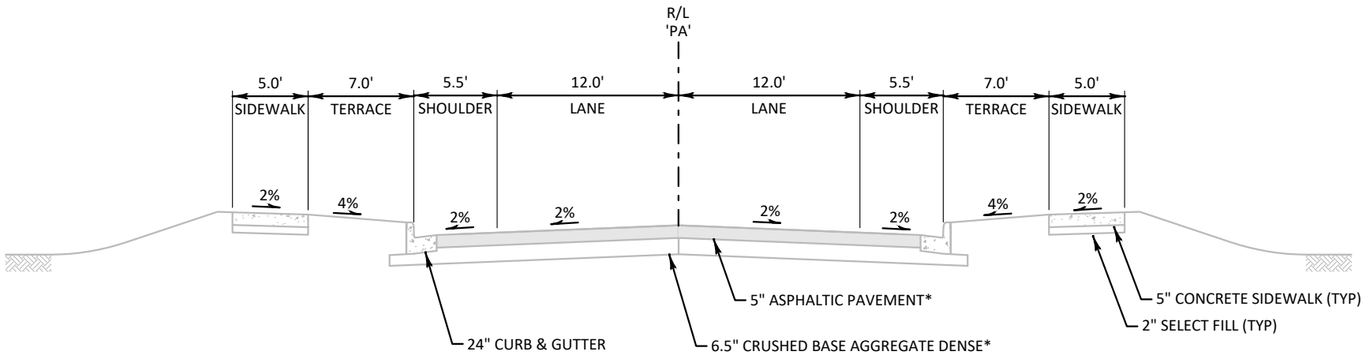
2

* SEE BORING LOG ON GENERAL NOTES SHEET FOR ASPHALT AND CRUSHED AGGREGATE BASE COURSE DEPTHS



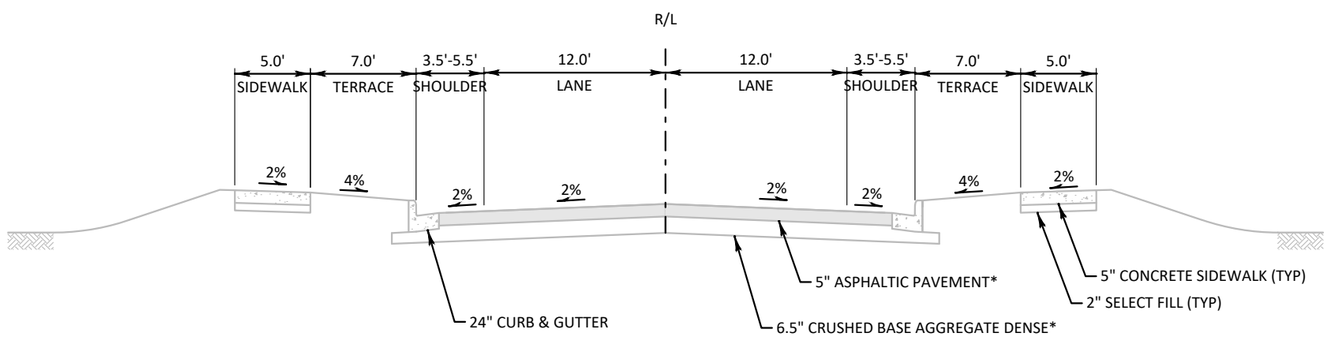
TYPICAL EXISTING SECTION

PRENTICE AVENUE
STA 100+10'PA' - STA 103+95'PA'



TYPICAL EXISTING SECTION

PRENTICE AVENUE
STA 103+95'PA' - STA 118+82'PA'

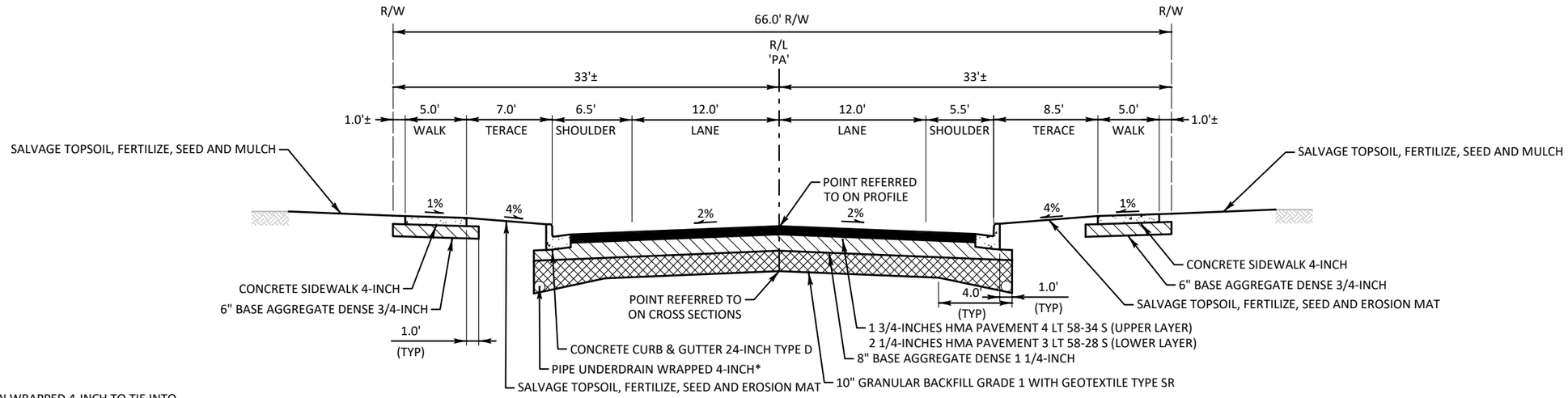


TYPICAL EXISTING SECTION

SIDE ROADS (7TH, 8TH, 9TH, 10TH, 11TH ST E)

PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	TYPICAL SECTIONS	SHEET 3	E

2

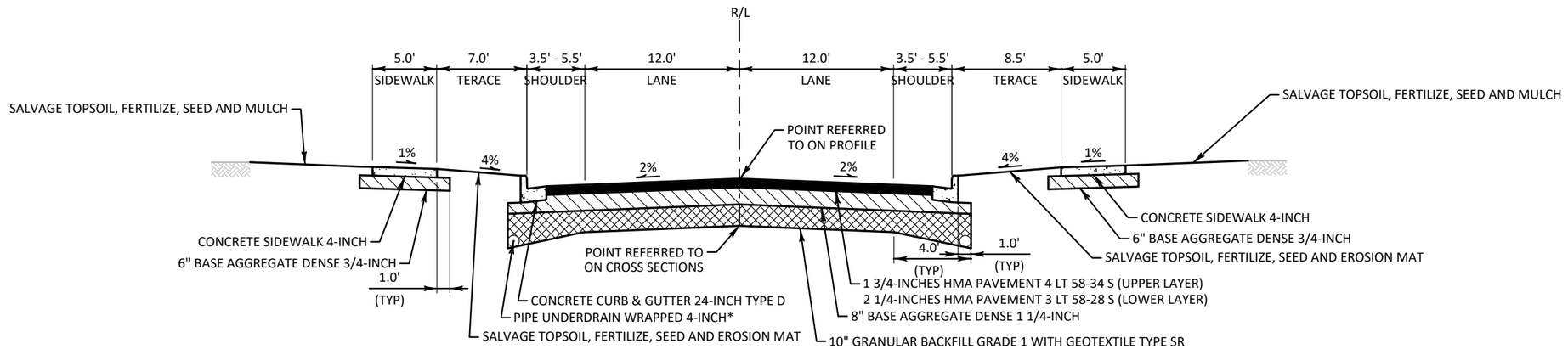


* PIPE UNDERDRAIN WRAPPED 4-INCH TO TIE INTO CATCH BASINS

TYPICAL FINISHED SECTION

PRENTICE AVENUE

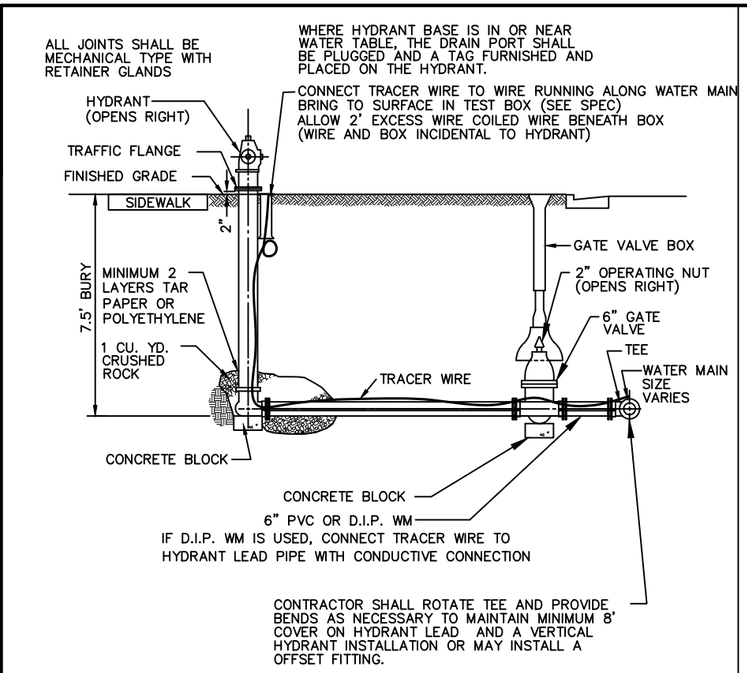
STA 100+10'PA' - STA 118+82'PA'



TYPICAL FINISHED SECTION

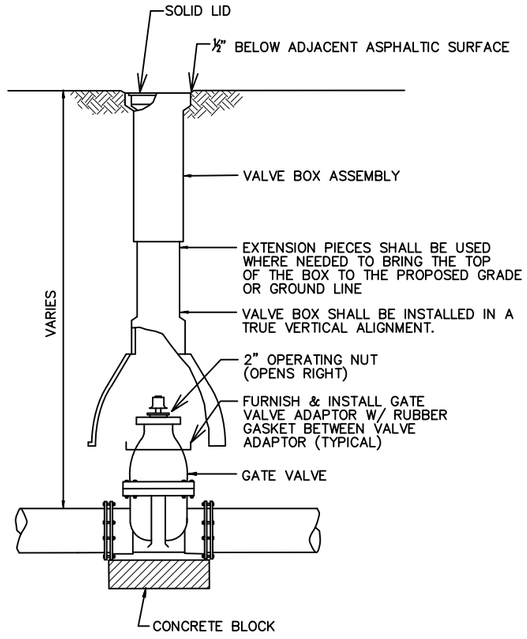
SIDE ROADS (7TH, 8TH, 9TH, 10TH, 11TH ST E)

PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	TYPICAL SECTIONS	SHEET 4	E

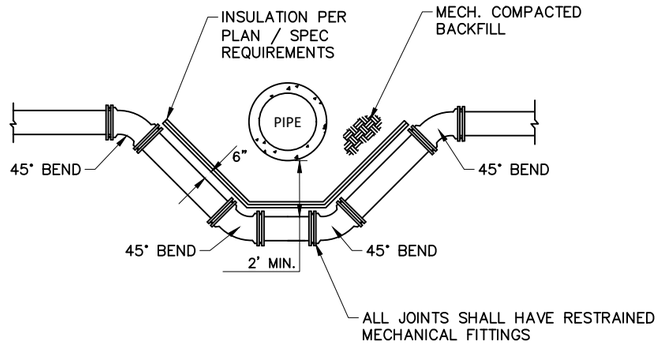


NOTE: LOCATE HYDRANT IN FRONT OF SIDEWALK WITH VALVE BEHIND CURB WHERE POSSIBLE.

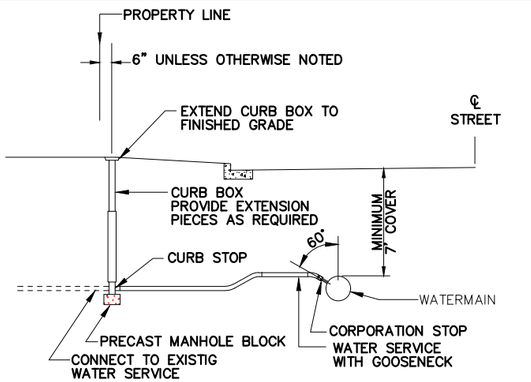
FIRE HYDRANT



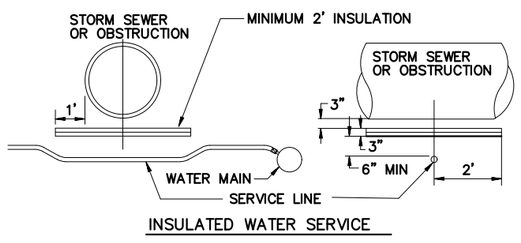
GATE VALVE & BOX



LOWER WATER MAIN

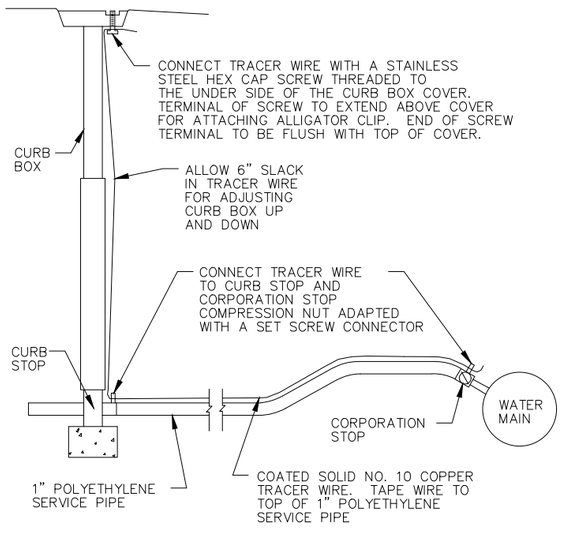


WATER SERVICE CONNECTION

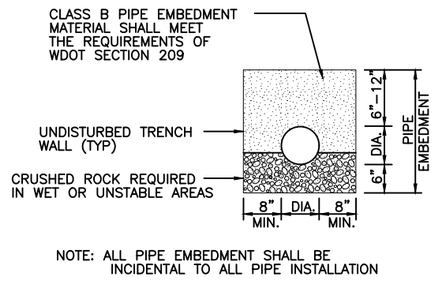


INSULATED WATER SERVICE

WATER SERVICE CONNECTION



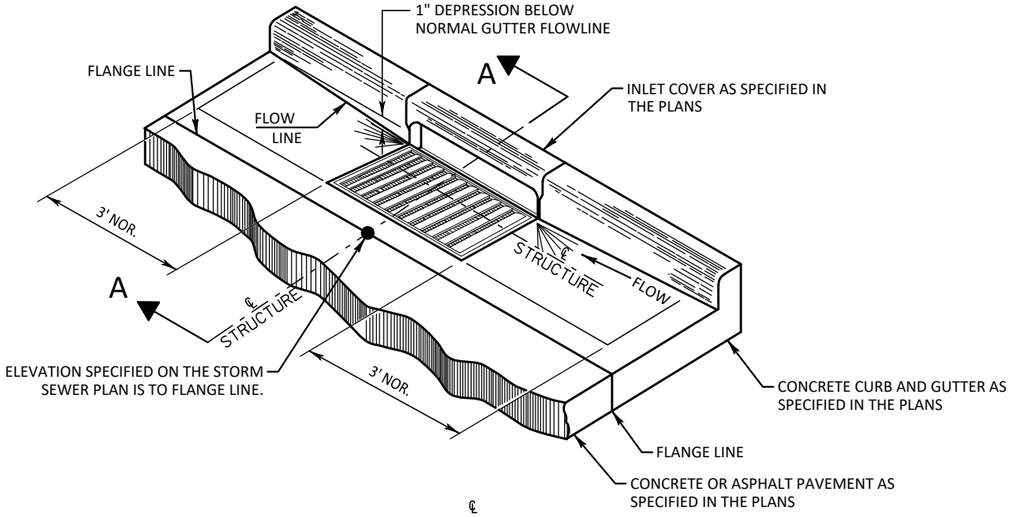
TRACER WIRE DETAIL
FOR PE WATER SERVICE

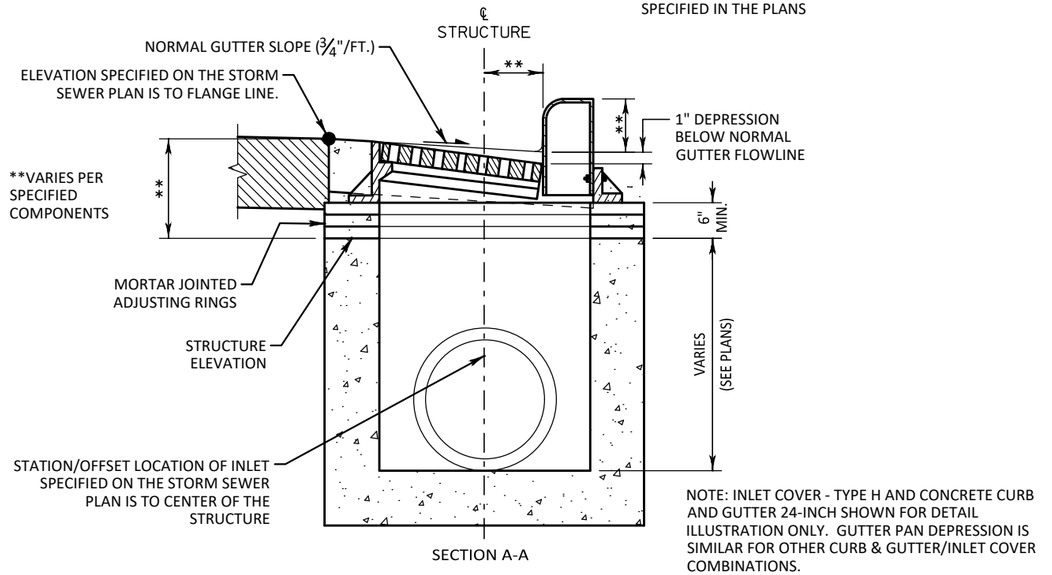


NOTE: ALL PIPE EMBEDMENT SHALL BE INCIDENTAL TO ALL PIPE INSTALLATION

WATER MAIN PIPE EMBEDMENT

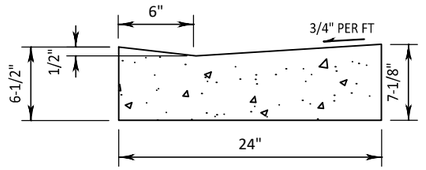
PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	WATER MAIN DETAILS	SHEET 5	E



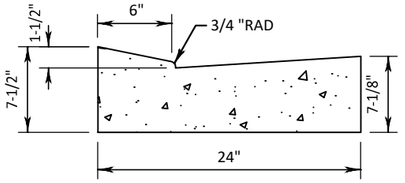


NOTE: INLET COVER - TYPE H AND CONCRETE CURB AND GUTTER 24-INCH SHOWN FOR DETAIL ILLUSTRATION ONLY. GUTTER PAN DEPRESSION IS SIMILAR FOR OTHER CURB & GUTTER/INLET COVER COMBINATIONS.

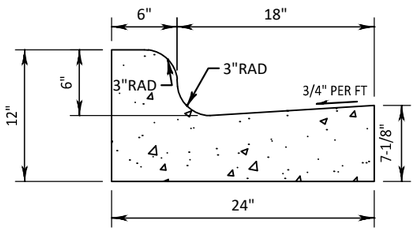
TYPICAL GUTTER PAN DEPRESSION AT INLETS



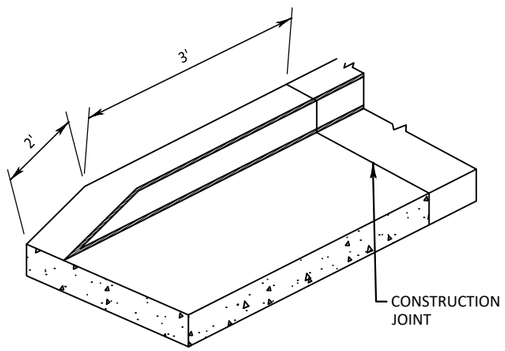
CURB RAMP



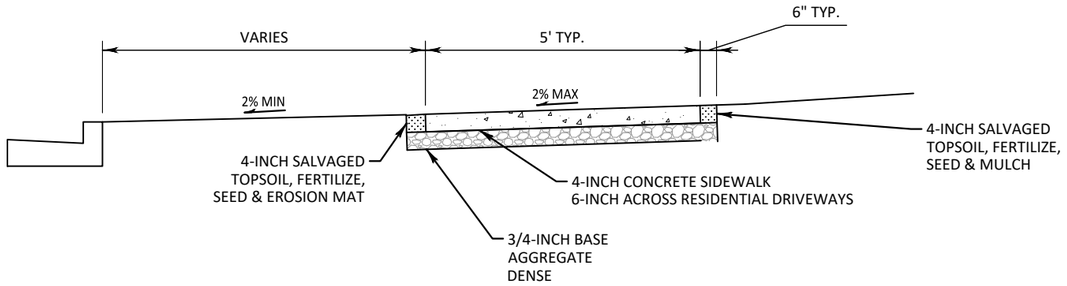
DRIVEWAY CURB



CONCRETE CURB & GUTTER 24-INCH TYPE D

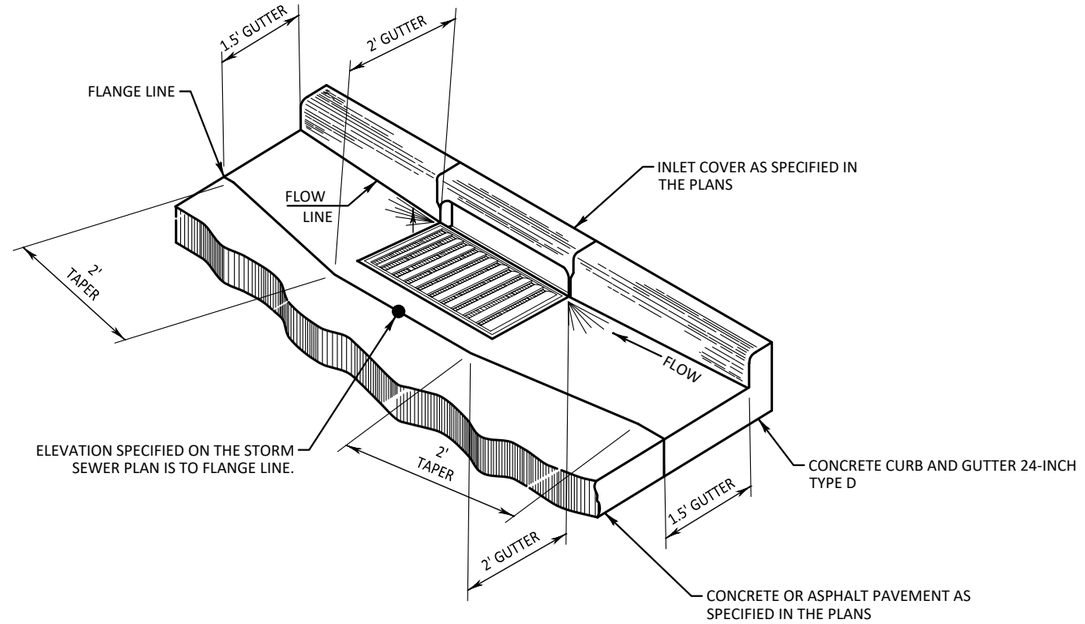


END SECTION CURB AND GUTTER



CONCRETE SIDEWALK

SIDEWALK/DRIVEWAY	3/4" BASE AGGREGATE DENSE MIN DEPTH
4" CONCRETE SIDEWALK	3"
6" CONCRETE RESIDENTIAL DRIVEWAY	6"



CURB AND GUTTER 24-INCH TYPE D TRANSITION AT INLETS

NOTES:

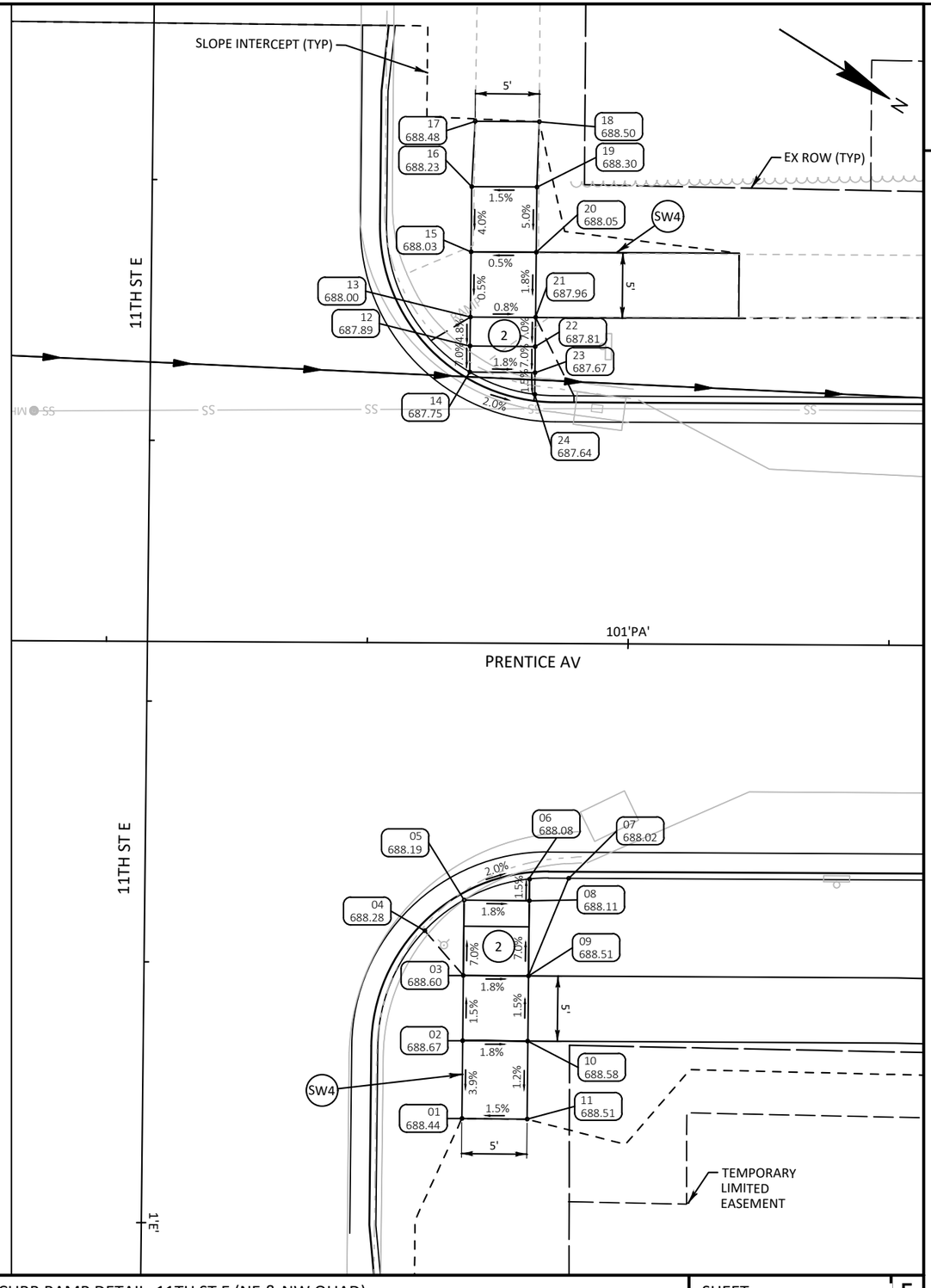
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES AND LENGTHS AND MATCH POINTS TO PRIOR RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATION TO FIT FIELD CONSTRUCTION.
3. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
4. ALL STATION AND OFFSET INFORMATION REFERENCE PRENTICE AVENUE ('PA') R/L.

LEGEND

X	CURB RAMP TYPE
SWX	CONCRETE SIDEWALK X-INCH
PED	CONCRETE PEDESTRIAN CURB
ID / ELEV	POINT ID/ELEVATION

PRENTICE AV (11TH ST NW)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
12	100+87.76	22.78' LT	687.89	320821.92	504045.57
13	100+87.78	25.00' LT	688.00	320820.74	504043.69
14	100+87.75	20.78' LT	687.75	320822.99	504047.26
15	100+87.80	30.00' LT	688.03	320818.07	504039.46
16	100+87.83	35.00' LT	688.23	320815.41	504035.23
17	100+88.07	40.01' LT	688.48	320812.91	504030.87
18	100+92.98	40.00' LT	688.50	320817.06	504028.24
19	100+92.83	34.99' LT	688.30	320819.63	504032.55
20	100+92.80	30.00' LT	688.05	320822.29	504036.77
21	100+92.77	25.00' LT	687.96	320824.95	504041.00
22	100+92.76	22.76' LT	687.81	320826.15	504042.89
23	100+92.75	20.76' LT	687.67	320827.21	504044.59
24	100+92.74	19.10' LT	687.64	320828.10	504045.99

PRENTICE AV (11TH ST NE)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
01	100+87.44	36.46' RT	688.44	320853.50	504095.69
02	100+87.47	30.50' RT	688.67	320850.32	504090.64
03	100+87.49	25.50' RT	688.60	320847.65	504086.42
04	100+84.52	22.07' RT	688.28	320843.30	504085.13
05	100+87.53	19.71' RT	688.19	320844.57	504081.51
06	100+92.54	18.08' RT	688.08	320847.92	504077.45
07	100+95.54	18.01' RT	688.02	320850.41	504075.77
08	100+92.53	19.73' RT	688.11	320848.80	504078.85
09	100+92.49	25.50' RT	688.51	320851.87	504083.73
10	100+92.46	30.50' RT	688.58	320854.53	504087.96
11	100+92.44	36.49' RT	688.51	320857.73	504093.02



2

NOTES:

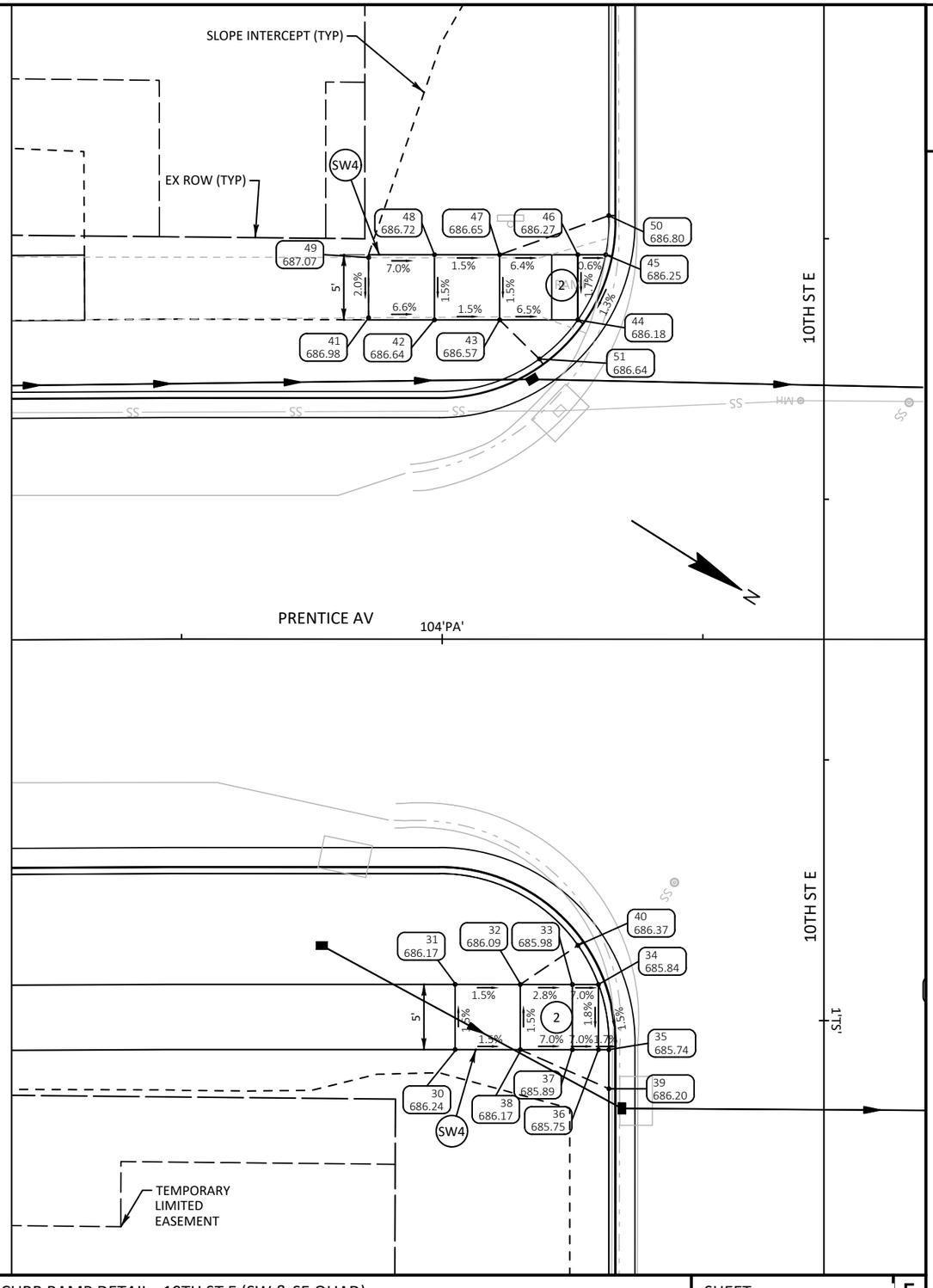
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES AND LENGTHS AND MATCH POINTS TO PRIOR RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATION TO FIT FIELD CONSTRUCTION.
3. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
4. ALL STATION AND OFFSET INFORMATION REFERENCE PRENTICE AVENUE ('PA') R/L.

LEGEND

X	CURB RAMP TYPE
SWX	CONCRETE SIDEWALK X-INCH
PED	CONCRETE PEDESTRIAN CURB
ID / ELEV	POINT ID/ELEVATION

PRENTICE AV (10TH ST SW)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
41	103+94.34	24.66' LT	686.98	321079.56	503879.13
42	103+99.40	24.50' LT	686.64	321083.93	503876.57
43	104+04.40	24.50' LT	686.57	321088.16	503873.91
44	104+10.40	24.50' LT	686.18	321093.23	503870.71
45	104+12.54	29.50' LT	686.25	321092.38	503865.34
46	104+10.40	29.50' LT	686.27	321090.57	503866.48
47	104+04.40	29.50' LT	686.65	321085.49	503869.68
48	103+99.40	29.50' LT	686.72	321081.26	503872.34
49	103+94.34	29.28' LT	687.07	321077.10	503875.22
50	104+12.77	32.50' LT	686.80	321090.98	503862.68
51	104+07.45	21.50' LT	686.64	321092.33	503874.82

PRENTICE AV (10TH ST SE)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
30	104+01.00	31.50' RT	686.24	321115.12	503923.11
31	104+01.00	26.50' RT	686.17	321112.46	503918.88
32	104+06.00	26.50' RT	686.09	321116.69	503916.21
33	104+10.00	26.50' RT	685.98	321120.07	503914.08
34	104+12.00	26.50' RT	685.84	321121.76	503913.01
35	104+12.80	31.50' RT	685.74	321125.11	503916.82
36	104+12.00	31.50' RT	685.75	321124.43	503917.24
37	104+10.00	31.50' RT	685.89	321122.74	503918.31
38	104+06.00	31.50' RT	686.17	321119.35	503920.44
39	104+12.80	34.50' RT	686.20	321126.71	503919.35
40	104+10.42	23.50' RT	686.37	321118.83	503911.32



PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	CURB RAMP DETAIL: 10TH ST E (SW & SE QUAD)	SHEET 9 E

2

NOTES:

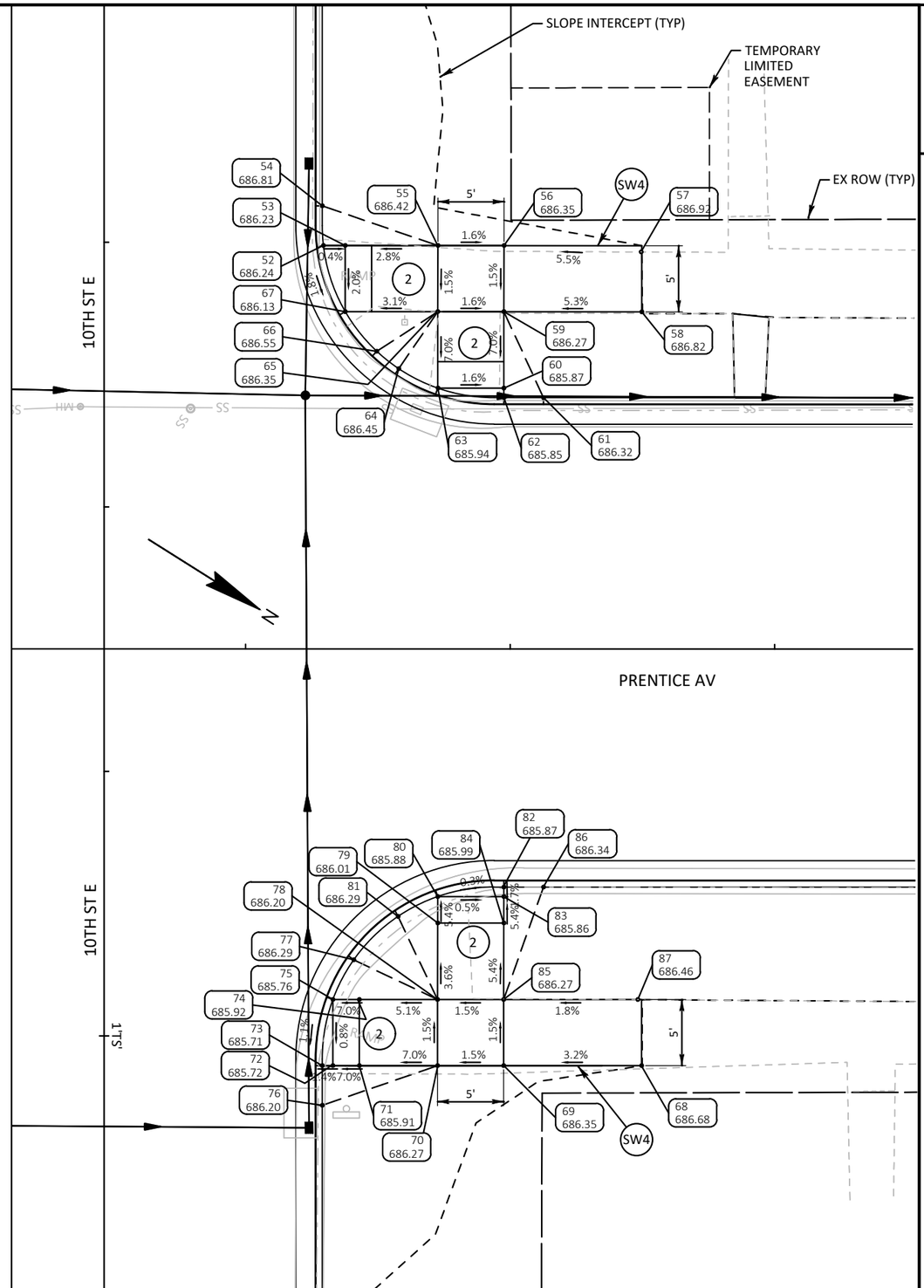
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES AND LENGTHS AND MATCH POINTS TO PRIOR RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATION TO FIT FIELD CONSTRUCTION.
3. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
4. ALL STATION AND OFFSET INFORMATION REFERENCE PRENTICE AVENUE ('PA') R/L.

LEGEND

X	CURB RAMP TYPE
SWX	CONCRETE SIDEWALK X-INCH
PED	CONCRETE PEDESTRIAN CURB
ID ELEV	POINT ID/ELEVATION

PRENTICE AV (10TH ST NW)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
52	104+45.87	30.50' LT	686.24	321120.05	503846.73
53	104+47.52	30.50' LT	686.23	321121.45	503845.85
54	104+45.78	33.50' LT	686.81	321118.38	503844.24
55	104+54.52	30.50' LT	686.42	321127.37	503842.12
56	104+59.52	30.50' LT	686.35	321131.60	503839.46
57	104+69.89	30.03' LT	686.92	321140.63	503834.33
58	104+69.94	25.50' LT	686.82	321143.08	503838.13
59	104+59.52	25.50' LT	686.27	321134.27	503843.69
60	104+59.52	19.72' LT	685.87	321137.35	503848.58
61	104+62.52	19.00' LT	686.32	321140.27	503847.59
62	104+59.52	19.00' LT	685.85	321137.73	503849.19
63	104+54.53	19.73' LT	685.94	321133.12	503851.23
64	104+51.56	21.19' LT	686.45	321129.83	503851.58
65	104+54.52	25.50' LT	686.35	321130.04	503846.35
66	104+49.91	22.50' LT	686.55	321127.73	503851.35
67	104+47.52	25.50' LT	686.13	321124.11	503850.08

PRENTICE AV (10TH ST NE)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
68	104+69.94	31.50' RT	686.68	321173.46	503886.37
69	104+59.52	31.50' RT	686.35	321164.64	503891.92
70	104+54.52	31.50' RT	686.27	321160.41	503894.58
71	104+48.60	31.50' RT	685.91	321155.40	503897.74
72	104+46.60	31.50' RT	685.72	321153.71	503898.80
73	104+45.80	31.50' RT	685.71	321153.03	503899.23
74	104+48.60	26.50' RT	685.92	321152.74	503893.51
75	104+46.60	26.50' RT	685.76	321151.05	503894.57
76	104+45.80	34.50' RT	686.20	321154.63	503901.77
77	104+48.18	23.50' RT	686.29	321150.78	503891.19
78	104+54.52	26.50' RT	686.20	321157.75	503890.35
79	104+54.52	20.72' RT	686.01	321154.67	503885.46
80	104+54.52	18.72' RT	685.88	321153.60	503883.77
81	104+51.52	20.23' RT	686.29	321151.87	503886.64
82	104+59.52	18.00' RT	685.87	321157.45	503880.49
83	104+59.52	18.72' RT	685.86	321157.83	503881.10
84	104+59.52	20.72' RT	685.99	321158.90	503882.79
85	104+59.52	26.50' RT	686.27	321161.98	503887.69
86	104+62.52	18.00' RT	686.34	321159.99	503878.90
87	104+69.67	26.50' RT	686.46	321170.56	503882.28



NOTES:

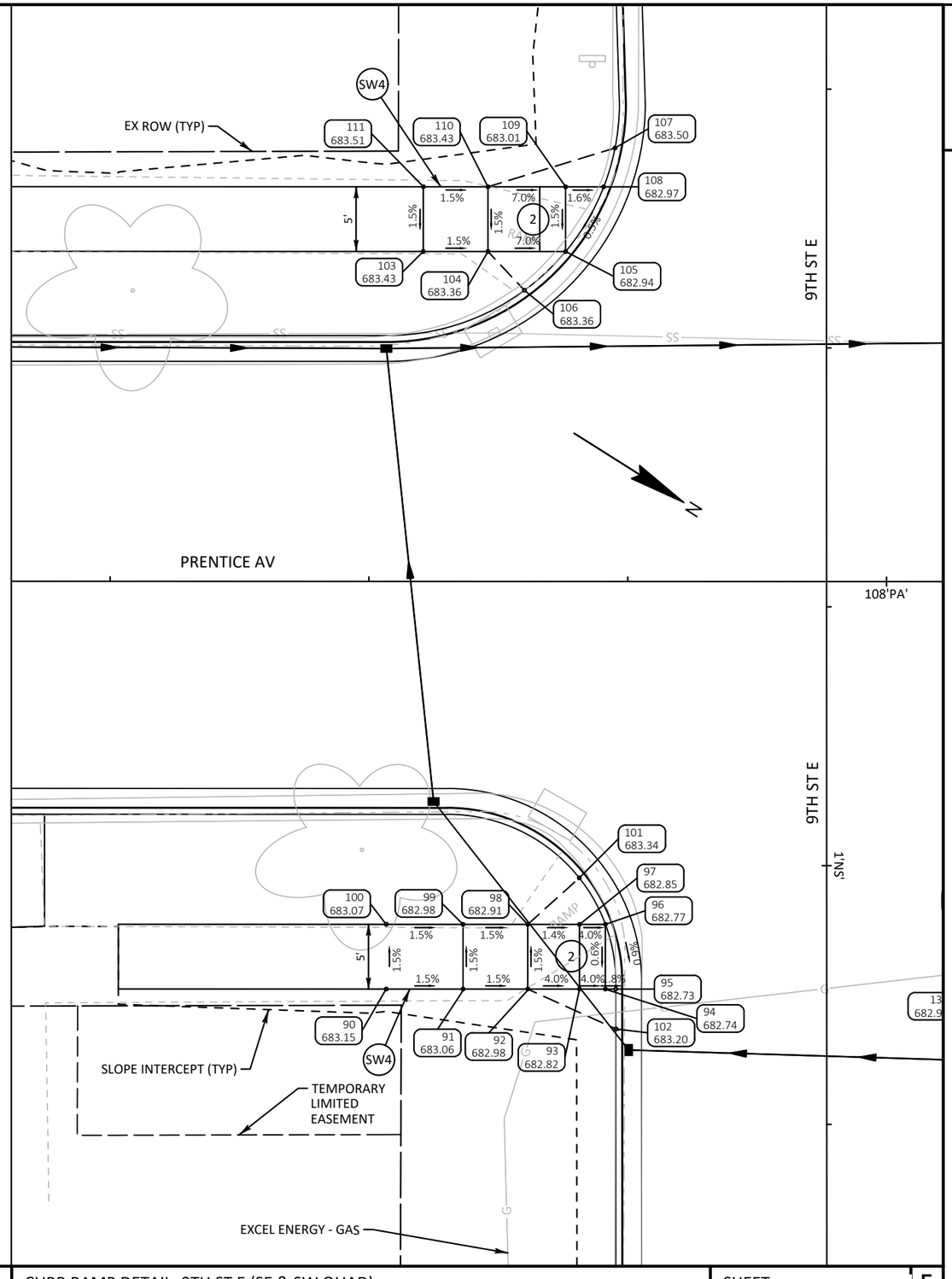
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES AND LENGTHS AND MATCH POINTS TO PRIOR RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATION TO FIT FIELD CONSTRUCTION.
3. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
4. ALL STATION AND OFFSET INFORMATION REFERENCE PRENTICE AVENUE ('PA') R/L.

LEGEND

X	CURB RAMP TYPE
SWX	CONCRETE SIDEWALK X-INCH
PED	CONCRETE PEDESTRIAN CURB
ID / ELEV	POINT ID/ELEVATION

PRENTICE AV (9TH ST SW)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
103	107+64.19	25.50' LT	683.43	321392.07	503681.33
104	107+69.19	25.50' LT	683.36	321396.30	503678.67
105	107+75.19	25.50' LT	682.94	321401.38	503675.47
106	107+72.01	22.50' LT	683.36	321400.29	503679.70
107	107+79.00	33.50' LT	683.50	321400.34	503666.67
108	107+78.13	30.50' LT	682.97	321401.20	503669.67
109	107+75.19	30.50' LT	683.01	321398.71	503671.24
110	107+69.19	30.50' LT	683.43	321393.64	503674.44
111	107+64.20	30.50' LT	683.51	321389.41	503677.10

PRENTICE AV (9TH ST SE)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
90	107+61.34	31.50' RT	683.15	321420.04	503731.08
91	107+67.28	31.50' RT	683.06	321425.06	503727.92
92	107+72.28	31.50' RT	682.98	321429.29	503725.25
93	107+76.28	31.50' RT	682.82	321432.68	503723.12
94	107+78.28	31.50' RT	682.74	321434.37	503722.05
95	107+79.08	31.50' RT	682.73	321435.05	503721.63
96	107+78.28	26.50' RT	682.77	321431.70	503717.82
97	107+76.28	26.50' RT	682.85	321430.01	503718.89
98	107+72.28	26.50' RT	682.91	321426.63	503721.02
99	107+67.28	26.50' RT	682.98	321422.40	503723.69
100	107+61.34	26.50' RT	683.07	321417.37	503726.85
101	107+76.26	22.91' RT	683.34	321428.08	503715.86
102	107+79.11	34.58' RT	683.20	321436.71	503724.22



PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	CURB RAMP DETAIL: 9TH ST E (SE & SW QUAD)	SHEET 11 E

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LAYOUT NAME - 04
PLOT DATE : 1/26/2024 11:54 AM
PLOT BY : SEH
LAYOUT NAME : 04
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

NOTES:

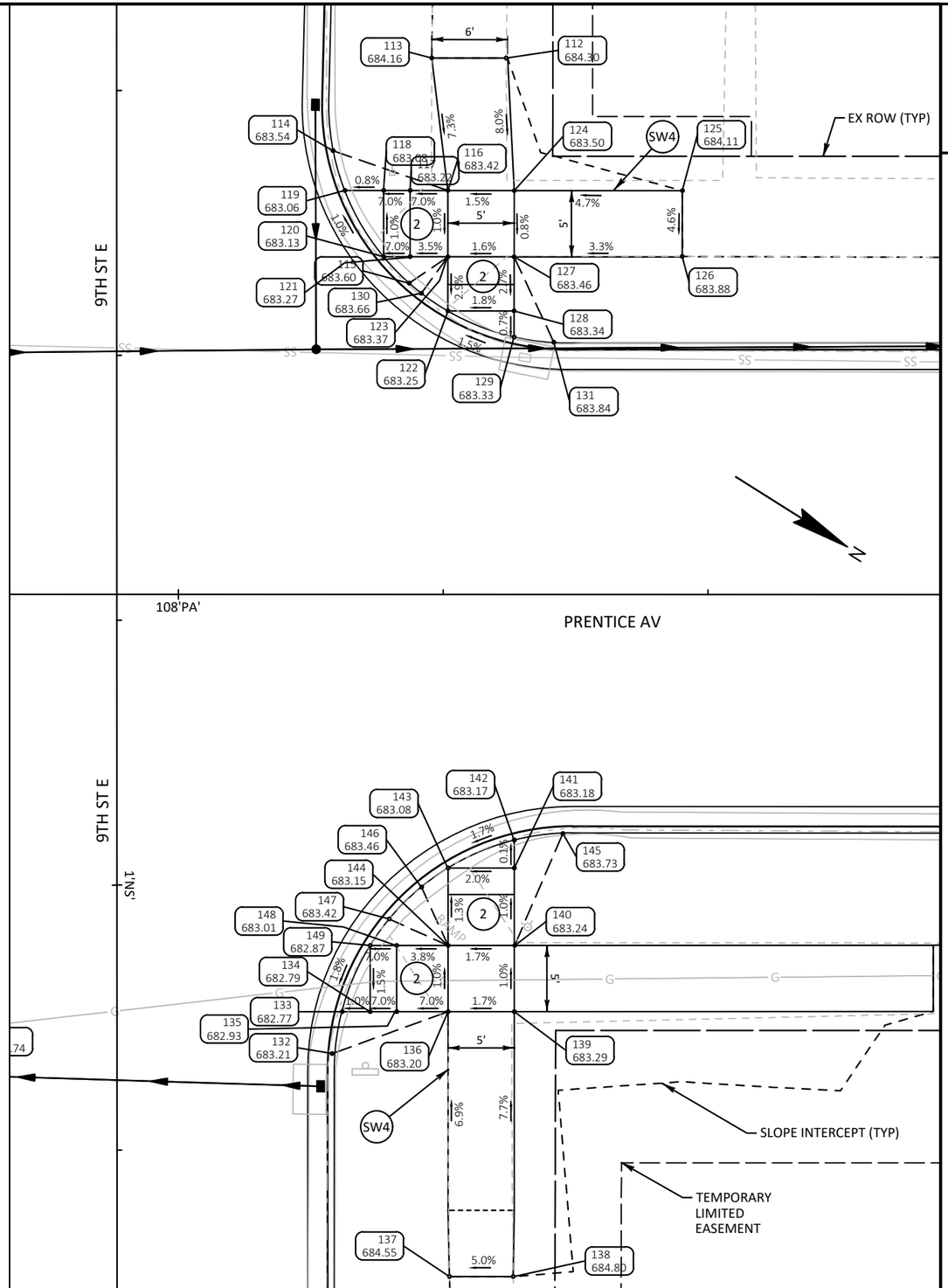
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES AND LENGTHS AND MATCH POINTS TO PRIOR RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATION TO FIT FIELD CONSTRUCTION.
3. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
4. ALL STATION AND OFFSET INFORMATION REFERENCE PRENTICE AVENUE ('PA') R/L.

LEGEND

X	CURB RAMP TYPE
SWX	CONCRETE SIDEWALK X-INCH
PED	CONCRETE PEDESTRIAN CURB
ID ELEV	POINT ID/ELEVATION

PRENTICE AV (9TH ST NW)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
112	108+24.74	40.50' LT	684.30	321435.32	503636.37
113	108+19.13	40.50' LT	684.16	321430.56	503639.36
114	108+11.68	33.50' LT	683.54	321428.00	503649.25
115	108+17.44	23.50' LT	683.60	321438.19	503654.65
116	108+20.35	30.50' LT	683.42	321436.93	503647.17
117	108+17.49	30.50' LT	683.22	321434.51	503648.69
118	108+15.49	30.50' LT	683.08	321432.82	503649.76
119	108+12.56	30.50' LT	683.06	321430.33	503651.32
120	108+15.49	25.50' LT	683.13	321435.48	503653.99
121	108+17.49	25.50' LT	683.27	321437.18	503652.92
122	108+20.35	21.41' LT	683.25	321441.78	503654.87
123	108+20.35	25.50' LT	683.37	321439.59	503651.40
124	108+25.35	30.50' LT	683.50	321441.16	503644.51
125	108+38.05	30.50' LT	684.11	321451.91	503637.74
126	108+38.05	25.53' LT	683.88	321454.56	503641.95
127	108+25.35	25.50' LT	683.46	321443.82	503648.74
128	108+25.35	21.41' LT	683.34	321446.01	503652.20
129	108+25.35	19.45' LT	683.33	321447.05	503653.86
130	108+18.35	22.74' LT	683.66	321439.37	503654.80
131	108+28.35	19.04' LT	683.84	321449.81	503652.60

PRENTICE AV (9TH NE)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
132	108+11.62	34.66' RT	683.21	321464.27	503706.96
133	108+12.39	31.50' RT	682.77	321463.23	503703.88
134	108+14.49	31.50' RT	682.79	321465.01	503702.76
135	108+16.49	31.50' RT	682.93	321466.70	503701.69
136	108+20.38	31.50' RT	683.20	321469.99	503699.62
137	108+20.49	51.50' RT	684.55	321480.74	503716.48
138	108+25.31	51.50' RT	684.80	321484.82	503713.92
139	108+25.38	31.49' RT	683.29	321474.22	503696.95
140	108+25.40	26.50' RT	683.24	321471.58	503692.71
141	108+25.37	20.66' RT	683.18	321468.44	503687.78
142	108+25.37	18.55' RT	683.17	321467.31	503686.00
143	108+20.37	20.66' RT	683.08	321464.21	503690.45
144	108+20.37	26.50' RT	683.15	321467.32	503695.39
145	108+29.04	18.04' RT	683.73	321470.15	503683.62
146	108+18.37	22.10' RT	683.46	321463.29	503692.74
147	108+15.93	24.50' RT	683.42	321462.50	503696.06
148	108+16.49	26.50' RT	683.01	321464.04	503697.46
149	108+14.49	26.50' RT	682.87	321462.35	503698.53



PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	CURB RAMP DETAIL: 9TH ST E (NE & NW QUAD)	SHEET 12 E

2

NOTES:

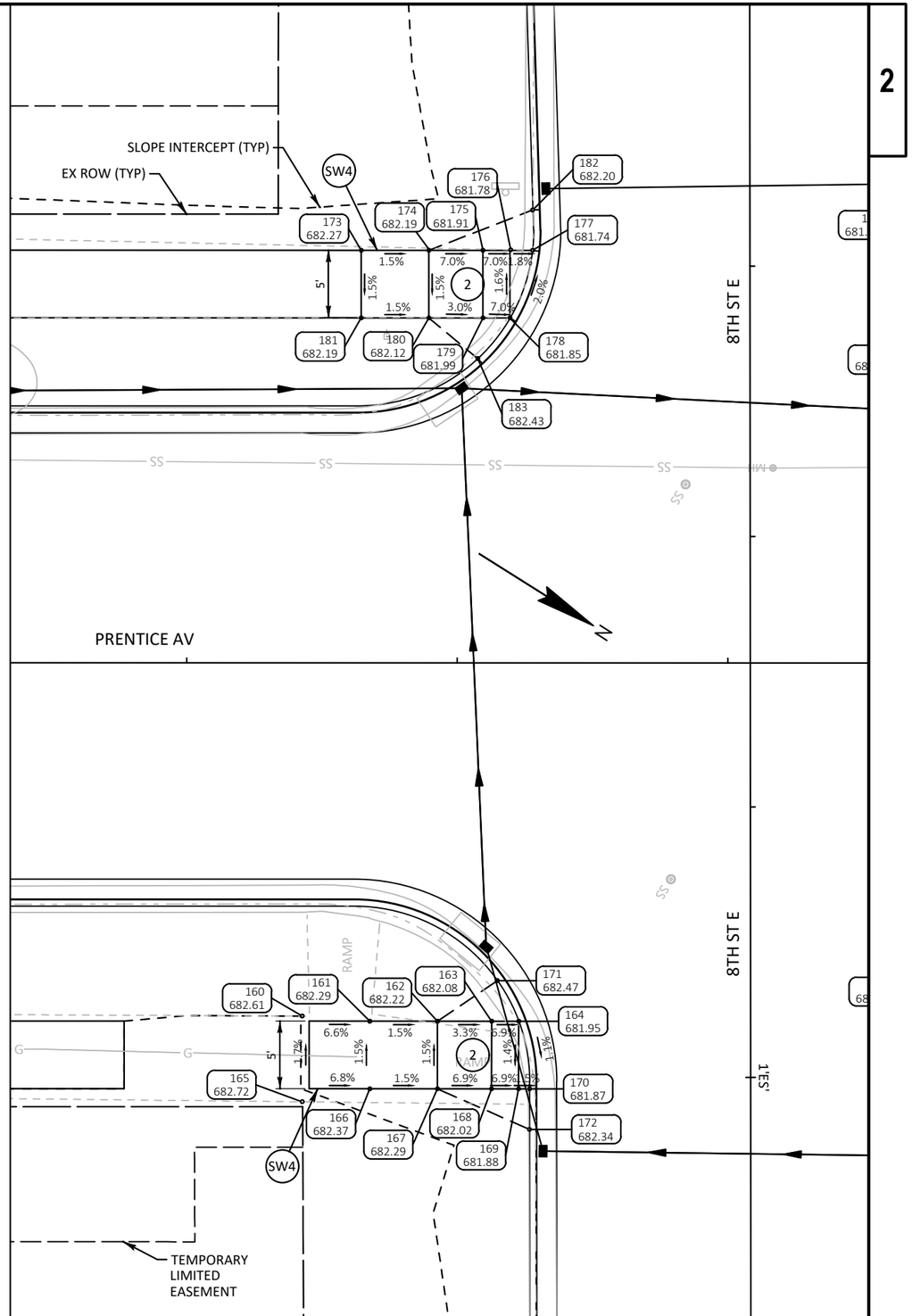
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES AND LENGTHS AND MATCH POINTS TO PRIOR RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATION TO FIT FIELD CONSTRUCTION.
3. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
4. ALL STATION AND OFFSET INFORMATION REFERENCE PRENTICE AVENUE ('PA') R/L.

LEGEND

X	CURB RAMP TYPE
SWX	CONCRETE SIDEWALK X-INCH
PED	CONCRETE PEDESTRIAN CURB
ID ELEV	POINT ID/ELEVATION

PRENTICE AV (8TH ST SW)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
173	111+32.89	30.50' LT	682.27	321701.39	503480.62
174	111+37.89	30.50' LT	682.19	321705.62	503477.96
175	111+41.89	30.50' LT	681.91	321709.01	503475.83
176	111+43.93	30.54' LT	681.78	321710.72	503474.70
177	111+45.54	30.50' LT	681.74	321712.10	503473.88
178	111+43.89	25.50' LT	681.85	321713.36	503478.99
179	111+41.89	25.50' LT	681.99	321711.67	503480.06
180	111+37.89	25.50' LT	682.12	321708.29	503482.19
181	111+32.89	25.50' LT	682.19	321704.05	503484.85
182	111+45.55	33.49' LT	682.20	321710.52	503471.34
183	111+41.50	22.50' LT	682.43	321712.94	503482.80

PRENTICE AV (8TH ST SE)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
160	111+28.54	26.13' RT	682.61	321727.89	503530.86
161	111+33.54	26.50' RT	682.29	321732.32	503528.50
162	111+38.54	26.50' RT	682.22	321736.55	503525.84
163	111+42.54	26.50' RT	682.08	321739.94	503523.71
164	111+44.54	26.50' RT	681.95	321741.63	503522.64
165	111+28.54	32.46' RT	682.72	321731.27	503536.21
166	111+33.54	31.50' RT	682.37	321734.99	503532.74
167	111+38.54	31.50' RT	682.29	321739.22	503530.07
168	111+42.54	31.50' RT	682.02	321742.60	503527.94
169	111+44.54	31.50' RT	681.88	321744.29	503526.87
170	111+45.35	31.50' RT	681.87	321744.98	503526.44
171	111+42.97	23.50' RT	682.47	321738.70	503520.94
172	111+45.34	34.50' RT	682.34	321746.57	503528.99



PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	CURB RAMP DETAIL: 8TH ST E (SE & SW QUAD)	SHEET 13 E

2

NOTES:

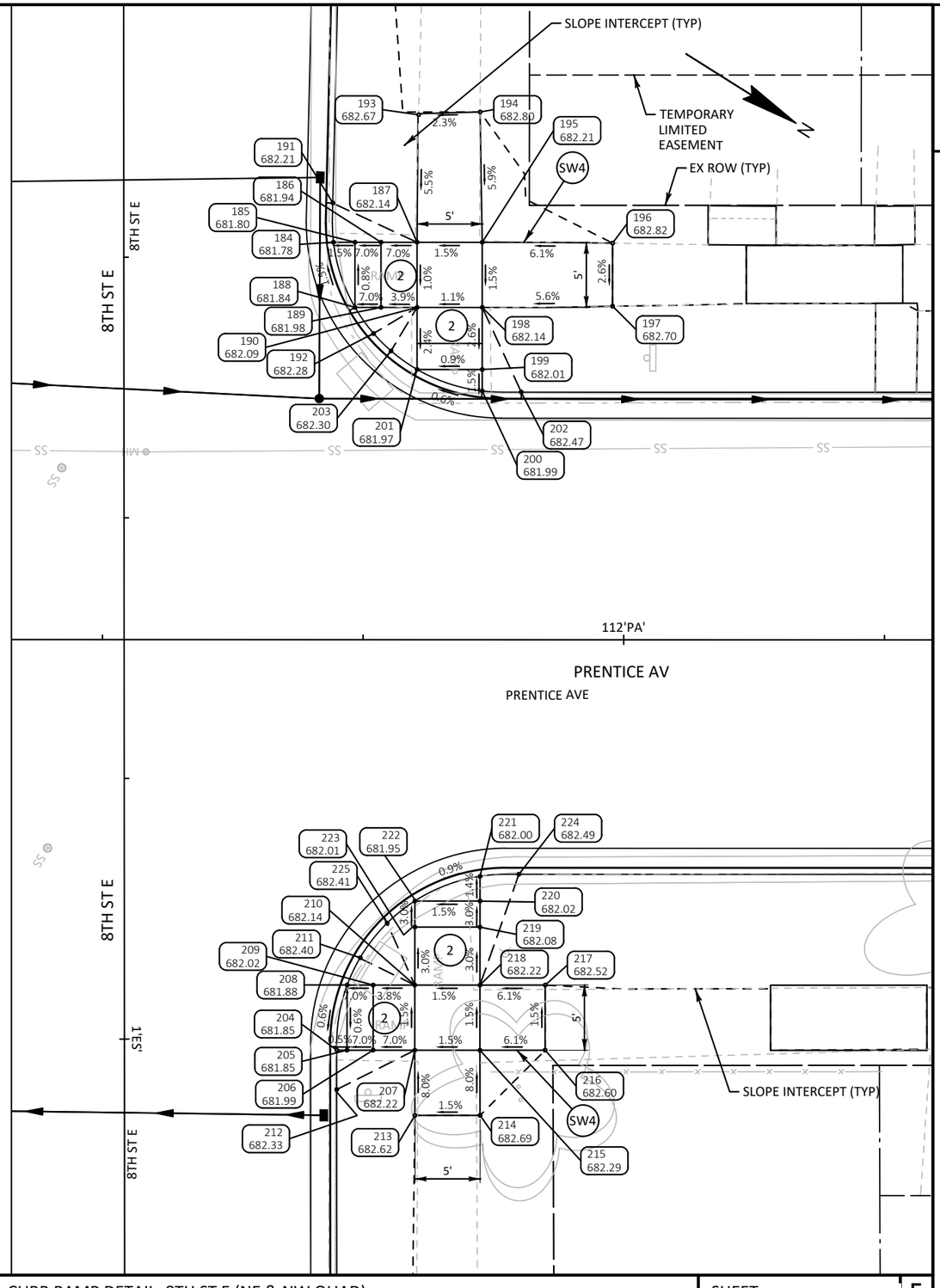
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES AND LENGTHS AND MATCH POINTS TO PRIOR RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATION TO FIT FIELD CONSTRUCTION.
3. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
4. ALL STATION AND OFFSET INFORMATION REFERENCE PRENTICE AVENUE ('PA') R/L.

LEGEND

(X)	CURB RAMP TYPE
(SWX)	CONCRETE SIDEWALK X-INCH
(PED)	CONCRETE PEDESTRIAN CURB
ID ELEV	POINT ID/ELEVATION

PRENTICE AV (8TH ST NW)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
184	111+77.71	30.50' LT	681.78	321739.32	503456.73
185	111+79.37	30.50' LT	681.80	321740.72	503455.85
186	111+81.37	30.50' LT	681.94	321742.42	503454.79
187	111+84.13	30.50' LT	682.14	321744.76	503453.31
188	111+79.37	25.50' LT	681.84	321743.39	503460.08
189	111+81.37	25.50' LT	681.98	321745.08	503459.02
190	111+84.13	25.50' LT	682.09	321747.42	503457.54
191	111+77.67	33.51' LT	682.21	321737.69	503454.21
192	111+80.79	23.50' LT	682.28	321745.66	503461.02
193	111+84.25	40.28' LT	682.67	321739.64	503444.97
194	111+88.96	40.50' LT	682.80	321743.51	503442.28
195	111+89.13	30.50' LT	682.21	321748.99	503450.65
196	111+99.13	30.44' LT	682.82	321757.48	503445.37
197	111+99.13	25.60' LT	682.70	321760.06	503449.46
198	111+89.13	25.50' LT	682.14	321751.65	503454.88
199	111+89.13	20.74' LT	682.01	321754.19	503458.91
200	111+89.13	19.09' LT	681.99	321755.07	503460.31
201	111+84.13	20.74' LT	681.97	321749.96	503461.57
202	111+92.12	19.01' LT	682.47	321757.64	503458.78
203	111+82.13	22.16' LT	682.30	321747.51	503461.44

PRENTICE AV (8TH ST NE)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
204	111+78.00	31.50' RT	681.85	321772.60	503509.05
205	111+78.78	31.50' RT	681.85	321773.26	503508.63
206	111+80.78	31.50' RT	681.99	321774.96	503507.56
207	111+83.98	31.50' RT	682.22	321777.66	503505.86
208	111+78.78	26.50' RT	681.88	321770.60	503504.40
209	111+80.78	26.50' RT	682.02	321772.29	503503.33
210	111+83.98	26.50' RT	682.14	321775.00	503501.63
211	111+79.79	24.41' RT	682.40	321770.34	503502.09
212	111+77.99	34.52' RT	682.33	321774.20	503511.61
213	111+83.99	36.50' RT	682.62	321780.34	503510.08
214	111+88.99	36.50' RT	682.69	321784.57	503507.42
215	111+88.98	31.50' RT	682.29	321781.89	503503.19
216	111+93.98	31.49' RT	682.60	321786.12	503500.52
217	111+93.98	26.50' RT	682.52	321783.46	503496.30
218	111+88.98	26.50' RT	682.22	321779.23	503498.96
219	111+88.97	22.05' RT	682.08	321776.85	503495.20
220	111+88.98	20.05' RT	682.02	321775.79	503493.51
221	111+88.98	18.16' RT	682.00	321774.78	503491.90
222	111+83.98	20.05' RT	681.95	321771.56	503496.17
223	111+83.98	22.05' RT	682.01	321772.63	503497.86
224	111+91.96	18.00' RT	682.49	321777.22	503490.18
225	111+81.85	21.75' RT	682.41	321770.67	503498.75



PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	CURB RAMP DETAIL: 8TH ST E (NE & NW QUAD)	SHEET 14 E

2

NOTES:

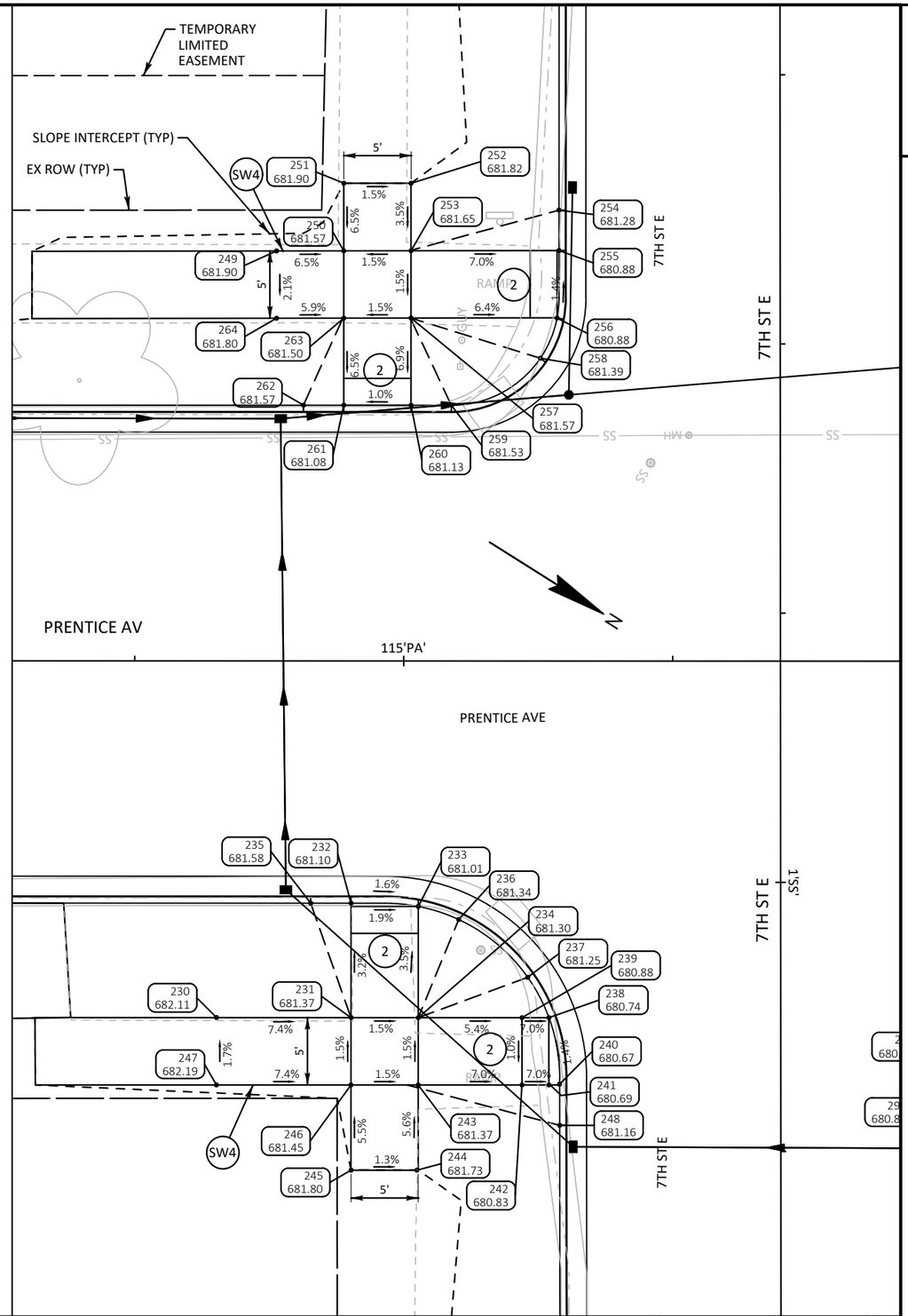
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES AND LENGTHS AND MATCH POINTS TO PRIOR RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATION TO FIT FIELD CONSTRUCTION.
3. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
4. ALL STATION AND OFFSET INFORMATION REFERENCE PRENTICE AVENUE ('PA') R/L.

LEGEND

(X)	CURB RAMP TYPE
(SWX)	CONCRETE SIDEWALK X-INCH
(PED)	CONCRETE PEDESTRIAN CURB
ID / ELEV	POINT ID/ELEVATION

PRENTICE AV (7TH ST SW)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
249	114+90.54	30.46' LT	681.90	322004.05	503290.06
250	114+95.54	30.47' LT	681.57	322008.27	503287.39
251	114+95.54	35.50' LT	681.90	322005.59	503283.14
252	115+00.54	35.50' LT	681.82	322009.82	503280.47
253	115+00.54	30.48' LT	681.65	322012.50	503284.72
254	115+11.53	33.50' LT	681.28	322020.19	503276.31
255	115+11.54	30.50' LT	680.88	322021.80	503278.84
256	115+11.39	25.49' LT	680.88	322024.34	503283.16
257	115+00.54	25.48' LT	681.57	322015.16	503288.95
258	115+10.15	22.50' LT	681.39	322024.89	503286.35
259	115+03.54	19.01' LT	681.53	322021.15	503292.83
260	115+00.54	19.00' LT	681.13	322018.62	503294.43
261	114+95.54	19.01' LT	681.08	322014.38	503297.09
262	114+92.55	19.01' LT	681.57	322011.85	503298.68
263	114+95.54	25.47' LT	681.50	322010.94	503291.62
264	114+90.54	25.46' LT	681.80	322006.71	503294.29

PRENTICE AV (7TH ST SE)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
230	114+86.09	26.50' RT	682.11	322030.64	503340.63
231	114+96.09	26.50' RT	681.37	322039.10	503335.30
232	114+96.09	18.00' RT	681.10	322034.57	503328.11
233	115+01.09	18.24' RT	681.01	322038.93	503325.65
234	115+01.09	26.50' RT	681.30	322043.33	503332.64
235	114+93.09	18.00' RT	681.58	322032.03	503329.71
236	115+04.09	19.21' RT	681.34	322041.99	503324.88
237	115+09.22	23.50' RT	681.25	322048.62	503325.77
238	115+10.80	26.50' RT	680.74	322051.55	503327.47
239	115+08.80	26.50' RT	680.88	322049.86	503328.53
240	115+11.59	31.44' RT	680.67	322054.85	503331.22
241	115+10.80	31.50' RT	680.69	322054.21	503331.70
242	115+08.80	31.50' RT	680.83	322052.52	503332.76
243	115+01.09	31.50' RT	681.37	322046.00	503336.87
244	115+00.99	37.83' RT	681.73	322049.29	503342.28
245	114+96.10	37.83' RT	681.80	322045.15	503344.89
246	114+96.09	31.50' RT	681.45	322041.77	503339.54
247	114+86.09	31.51' RT	682.19	322033.31	503344.87
248	115+11.60	34.50' RT	681.16	322056.49	503333.81



2

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES AND LENGTHS AND MATCH POINTS TO PRIOR RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATION TO FIT FIELD CONSTRUCTION.
3. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
4. ALL STATION AND OFFSET INFORMATION REFERENCE PRENTICE AVENUE ('PA') R/L.

LEGEND

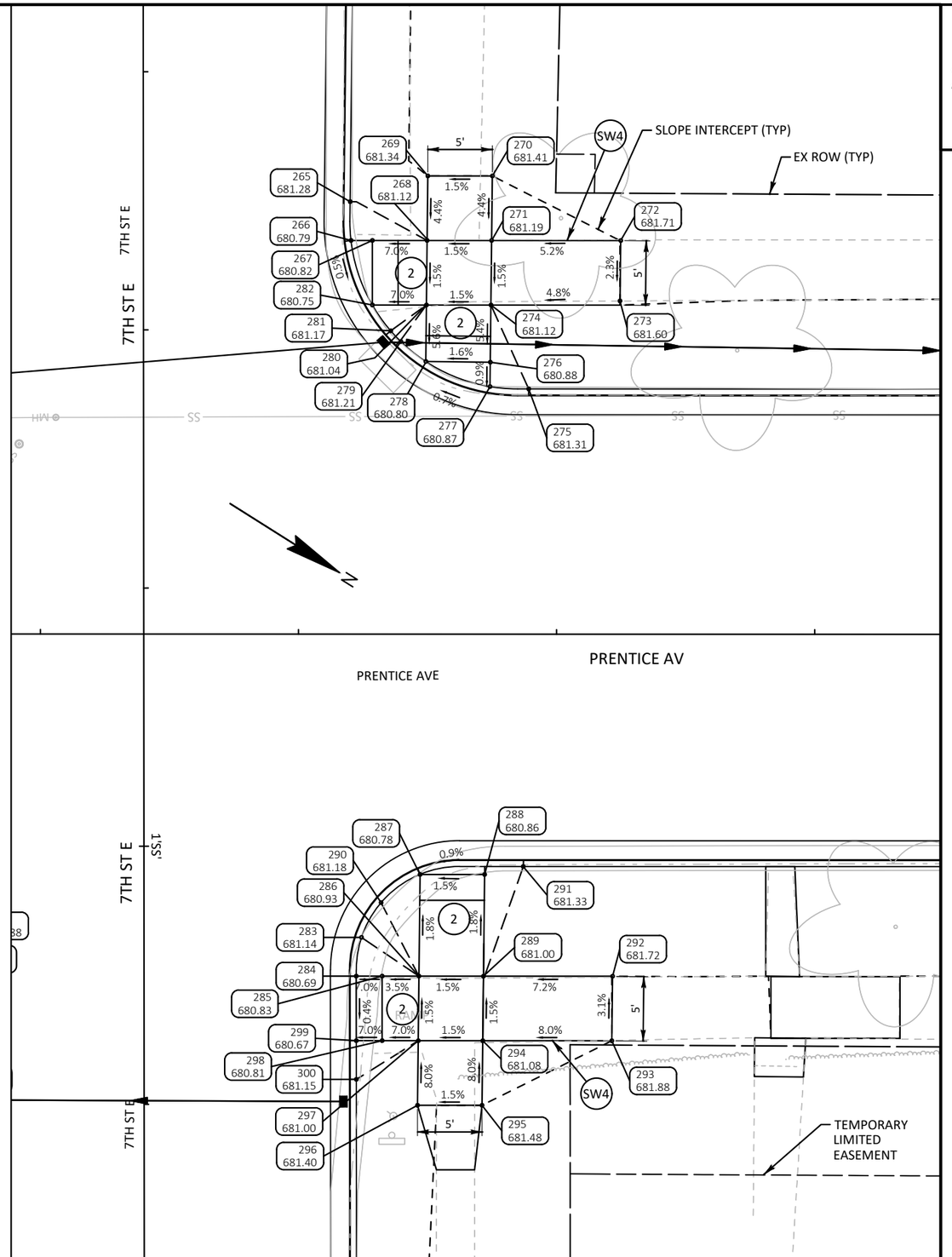
X	CURB RAMP TYPE
SWX	CONCRETE SIDEWALK X-INCH
PED	CONCRETE PEDESTRIAN CURB
ID ELEV	POINT ID/ELEVATION

PRENTICE AV (7TH ST NW)

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
265	115+44.00	33.50' LT	681.28	322047.67	503259.00
266	115+44.06	30.50' LT	680.79	322049.32	503261.51
267	115+45.72	30.50' LT	680.82	322050.72	503260.63
268	115+49.96	30.50' LT	681.12	322054.31	503258.37
269	115+50.01	35.50' LT	681.34	322051.69	503254.11
270	115+55.01	35.50' LT	681.41	322055.92	503251.44
271	115+54.96	30.50' LT	681.19	322058.54	503255.70
272	115+64.96	30.50' LT	681.71	322067.00	503250.37
273	115+64.91	25.82' LT	681.60	322069.46	503254.36
274	115+54.91	25.50' LT	681.12	322061.16	503259.96
275	115+57.84	19.00' LT	681.31	322067.10	503263.90
276	115+54.86	21.07' LT	680.88	322063.48	503263.74
277	115+54.84	19.18' LT	680.87	322064.47	503265.35
278	115+49.86	21.12' LT	680.80	322059.22	503266.36
279	115+47.93	22.66' LT	681.21	322056.77	503266.08
280	115+49.90	25.50' LT	681.04	322056.93	503262.63
281	115+47.14	23.50' LT	681.17	322055.65	503265.79
282	115+45.72	25.50' LT	680.75	322053.38	503264.86

PRENTICE AV (7TH ST NE)

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
283	115+44.89	23.50' RT	681.14	322078.80	503306.76
284	115+44.49	26.50' RT	680.69	322080.06	503309.51
285	115+46.49	26.50' RT	680.83	322081.75	503308.45
286	115+49.34	26.50' RT	680.93	322084.16	503306.93
287	115+49.43	18.62' RT	680.78	322080.04	503300.21
288	115+54.43	18.62' RT	680.86	322084.27	503297.55
289	115+54.34	26.50' RT	681.00	322088.40	503304.26
290	115+46.41	20.80' RT	681.18	322078.64	503303.67
291	115+57.42	18.00' RT	681.33	322086.47	503295.43
292	115+64.34	26.50' RT	681.72	322096.86	503298.93
293	115+64.29	31.50' RT	681.88	322099.48	503303.19
294	115+54.29	31.50' RT	681.08	322091.01	503308.52
295	115+54.24	36.50' RT	681.48	322093.63	503312.78
296	115+49.24	36.50' RT	681.40	322089.40	503315.44
297	115+49.29	31.50' RT	681.00	322086.78	503311.19
298	115+46.49	31.50' RT	680.81	322084.42	503312.68
299	115+44.49	31.50' RT	680.67	322082.72	503313.74
300	115+44.50	34.50' RT	681.15	322084.33	503316.28



2

NOTES:

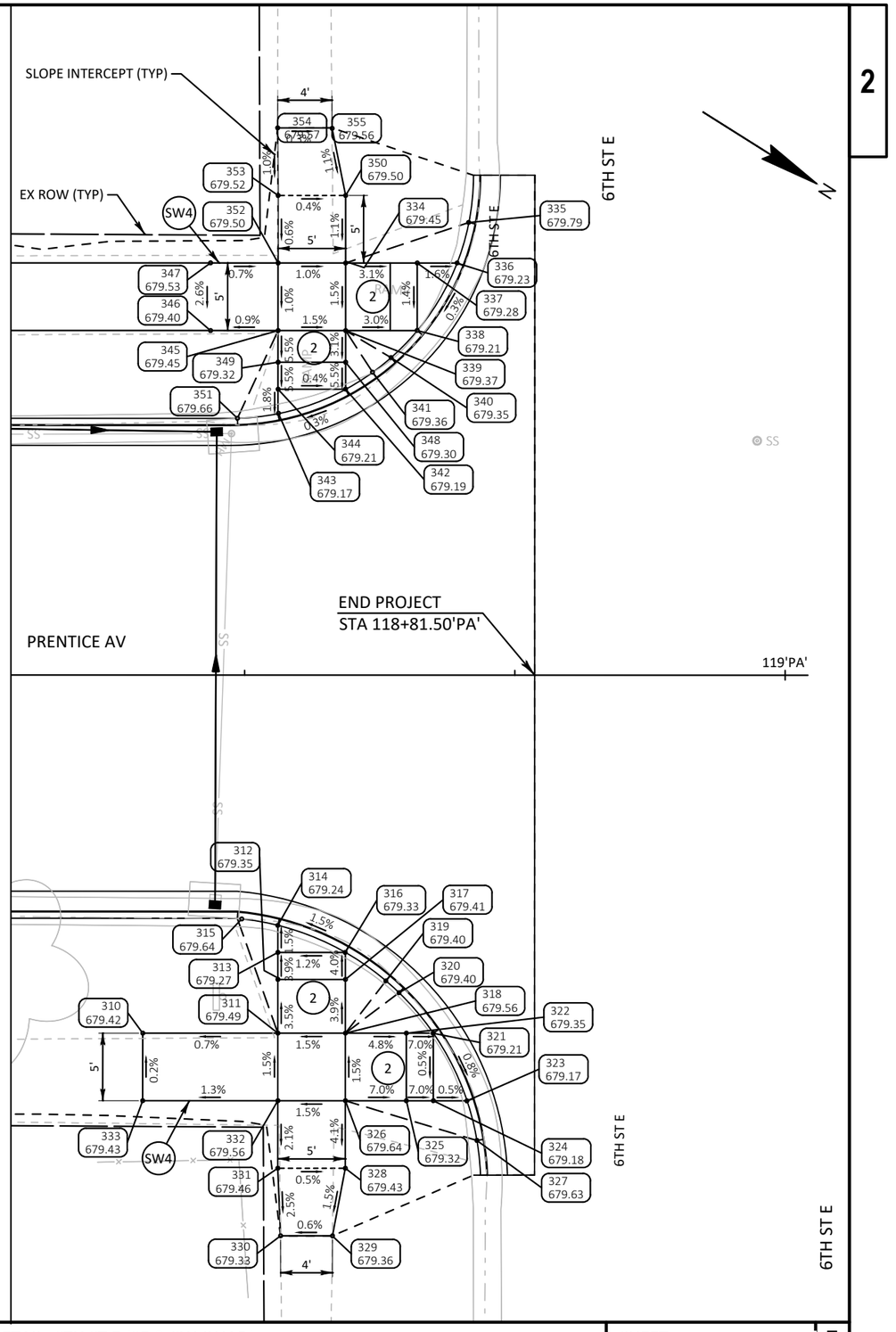
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES AND LENGTHS AND MATCH POINTS TO PRIOR RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATION TO FIT FIELD CONSTRUCTION.
3. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
4. ALL STATION AND OFFSET INFORMATION REFERENCE PRENTICE AVENUE ('PA') R/L.

LEGEND

(X)	CURB RAMP TYPE
(SWX)	CONCRETE SIDEWALK X-INCH
(PED)	CONCRETE PEDESTRIAN CURB
ID ELEV	POINT ID/ELEVATION

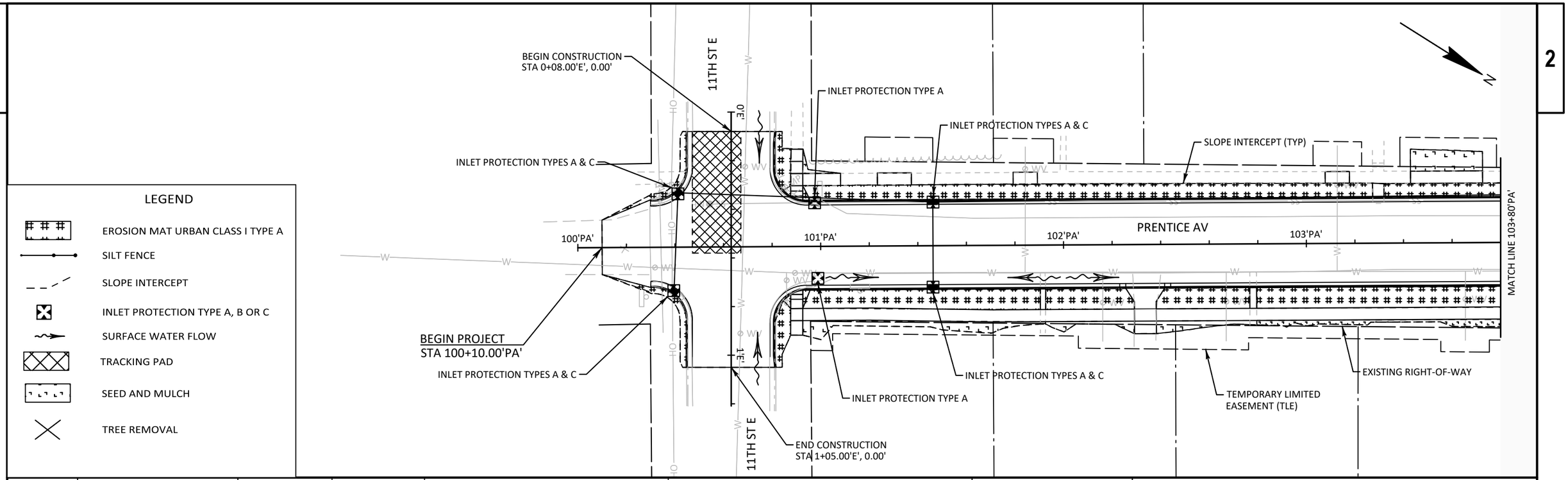
PRENTICE AV (6TH ST SE)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
310	118+52.46	26.50' RT	679.42	322340.66	503145.39
311	118+62.46	26.50' RT	679.49	322349.12	503140.06
312	118+62.46	22.52' RT	679.35	322347.00	503136.70
313	118+62.46	20.52' RT	679.27	322345.94	503135.01
314	118+62.46	18.53' RT	679.24	322344.87	503133.32
315	118+59.79	18.05' RT	679.64	322342.35	503134.34
316	118+67.45	20.53' RT	679.33	322350.16	503132.35
317	118+67.46	22.52' RT	679.41	322351.23	503134.03
318	118+67.46	26.50' RT	679.56	322353.35	503137.40
319	118+70.46	22.63' RT	679.40	322353.82	503132.53
320	118+71.43	23.51' RT	679.40	322355.11	503132.76
321	118+73.97	26.51' RT	679.21	322358.86	503133.94
322	118+71.98	26.50' RT	679.35	322357.17	503135.00
323	118+76.46	31.50' RT	679.17	322363.63	503136.84
324	118+73.98	31.50' RT	679.18	322361.53	503138.16
325	118+71.98	31.50' RT	679.32	322359.84	503139.23
326	118+67.46	31.50' RT	679.64	322356.02	503141.63
327	118+77.20	34.44' RT	679.63	322365.82	503138.93
328	118+67.46	36.50' RT	679.43	322358.68	503145.86
329	118+66.51	41.50' RT	679.36	322360.54	503150.60
330	118+62.67	41.50' RT	679.33	322357.29	503152.65
331	118+62.46	36.50' RT	679.46	322354.45	503148.53
332	118+62.46	31.50' RT	679.56	322351.79	503144.30
333	118+52.46	31.50' RT	679.43	322343.32	503149.62

PRENTICE AV (6TH ST SW)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
334	118+67.46	30.50' LT	679.45	322322.98	503089.17
335	118+76.56	33.50' LT	679.79	322329.08	503081.78
336	118+75.71	30.50' LT	679.23	322329.96	503084.77
337	118+72.77	30.50' LT	679.28	322327.46	503086.34
338	118+72.76	25.51' LT	679.21	322330.12	503090.57
339	118+67.46	25.50' LT	679.37	322325.64	503093.40
340	118+70.82	23.50' LT	679.35	322329.55	503093.30
341	118+69.45	22.42' LT	679.36	322328.97	503094.95
342	118+67.46	21.17' LT	679.19	322327.95	503097.07
343	118+62.50	19.37' LT	679.17	322324.71	503101.23
344	118+62.46	21.16' LT	679.21	322323.72	503099.74
345	118+62.46	25.50' LT	679.45	322321.41	503096.06
346	118+57.46	25.50' LT	679.40	322317.18	503098.73
347	118+57.46	30.50' LT	679.53	322314.52	503094.50
348	118+67.46	23.16' LT	679.30	322326.89	503095.38
349	118+62.46	23.16' LT	679.32	322322.66	503098.05
350	118+67.46	35.50' LT	679.50	322320.31	503084.94
351	118+59.46	19.01' LT	679.66	322322.33	503103.16
352	118+62.46	30.50' LT	679.50	322318.75	503091.83
353	118+62.46	35.50' LT	679.52	322316.08	503087.60
354	118+62.43	40.50' LT	679.57	322313.39	503083.39
355	118+66.46	40.46' LT	679.56	322316.82	503081.27



PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	CURB RAMP DETAIL: 6TH ST E (SE & SW QUAD)	SHEET 17 E

2



PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	EROSION CONTROL	SHEET 18 E

FILE NAME : X:\AE\A\ASHLA\168766\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\89950014\SHEETS\SEC 02 TYP SEC & DETAILS\022001_EC (EROSION CONTROL).DWG PLOT DATE : 1/16/2024 2:09 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1.0 IN = 40.0 FT

2

BEGIN CONSTRUCTION
STA 0+05.00'ES', 0.00'

8TH ST E

INLET PROTECTION TYPES A & C

INLET PROTECTION TYPE A

INLET PROTECTION TYPES A & C

SLOPE INTERCEPT (TYP)

EXISTING RIGHT-OF-WAY

TEMPORARY LIMITED
EASEMENT (TLE)

END CONSTRUCTION
STA 1+35.00'ES', 0.00'

PRENTICE AV

110'PA' 111'PA' 112'PA' 113'PA' 114'PA' 115'PA'

MATCH LINE 109+80'PA'

MATCH LINE 115+80'PA'

BEGIN CONSTRUCTION
STA 0+10.00'SS', 0.00'

7TH ST E

INLET PROTECTION TYPES A & C

INLET PROTECTION TYPE A

INLET PROTECTION TYPES A & C

END CONSTRUCTION
STA 1+50.00'SS', 0.00'

2

INLET PROTECTION TYPES A & C

6TH ST E

END PROJECT
STA 118+81.46'PA'

PRENTICE AV

116'PA' 117'PA' 118'PA' 119'PA'

MATCH LINE 115+80'PA'

EXISTING RIGHT-OF-WAY

SLOPE INTERCEPT (TYP)

TEMPORARY LIMITED
EASEMENT (TLE)

INLET PROTECTION TYPES A & C

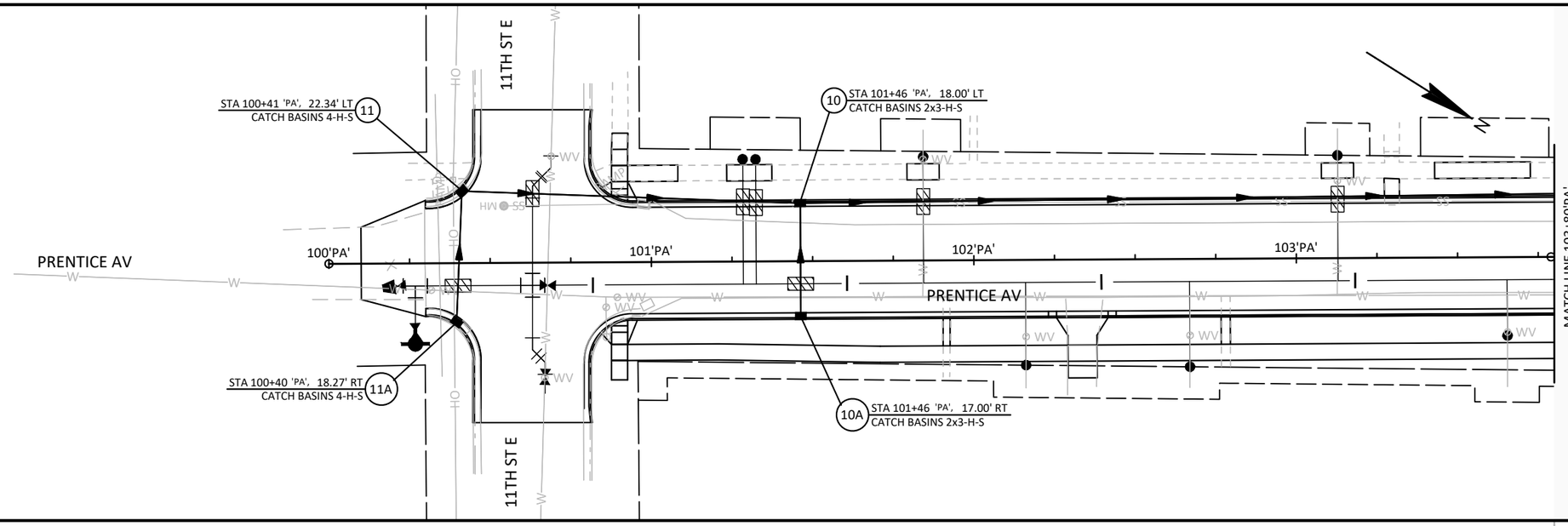
6TH ST E

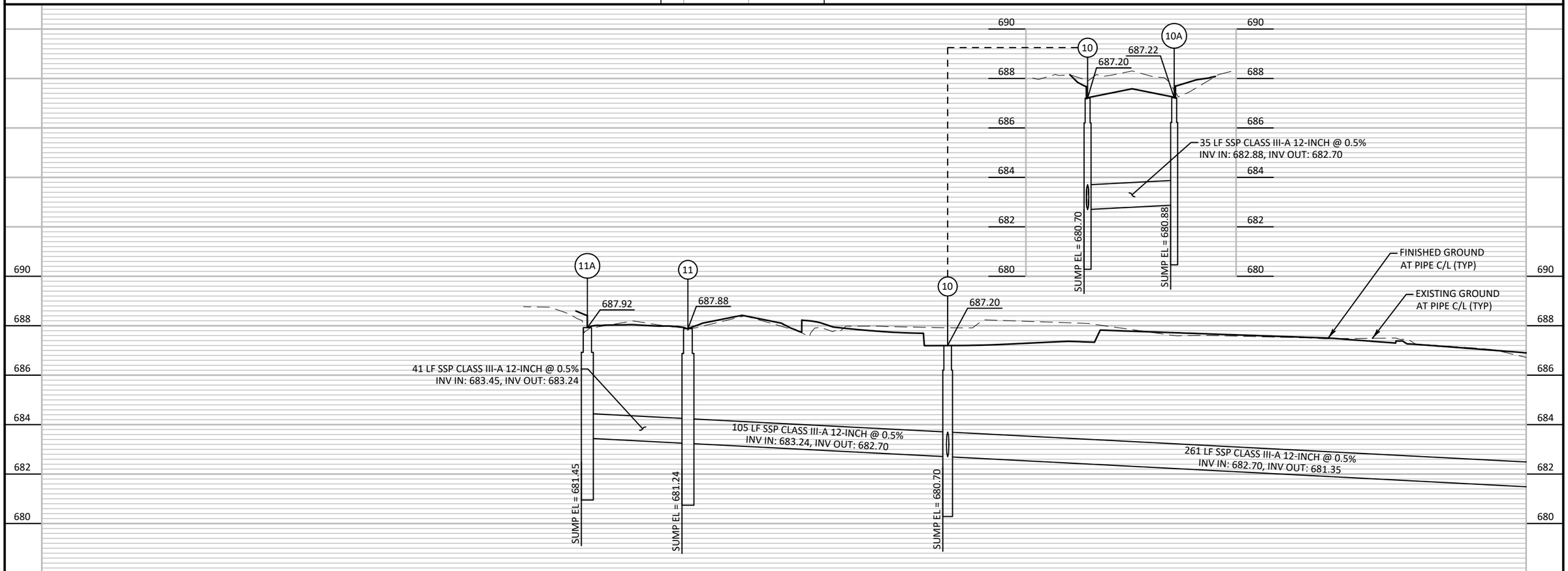
LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A, B OR C
- SURFACE WATER FLOW
- TRACKING PAD
- SEED AND MULCH
- TREE REMOVAL

PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	EROSION CONTROL	SHEET 19 E

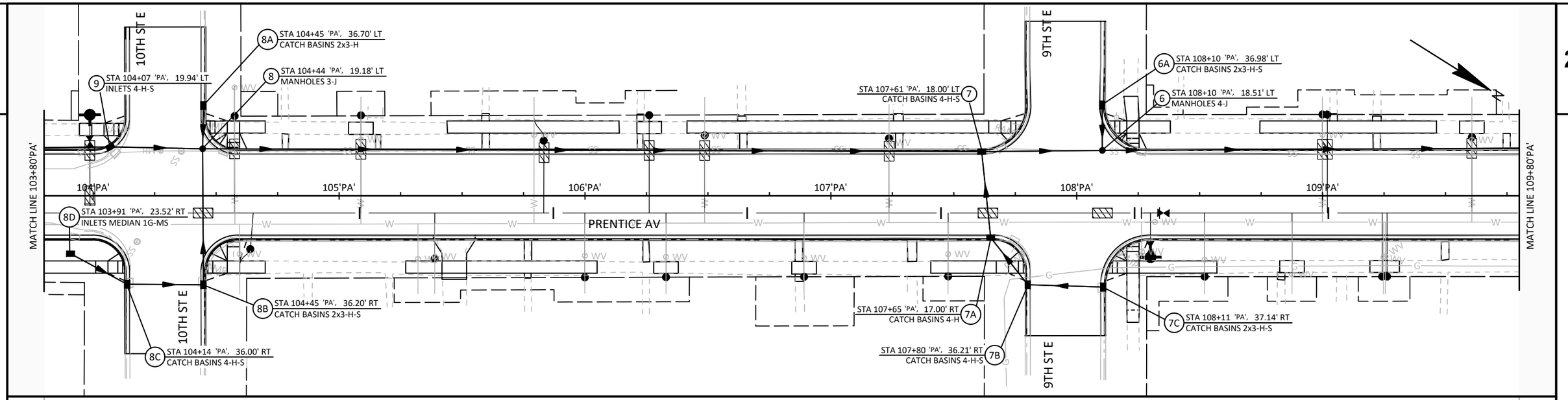
2

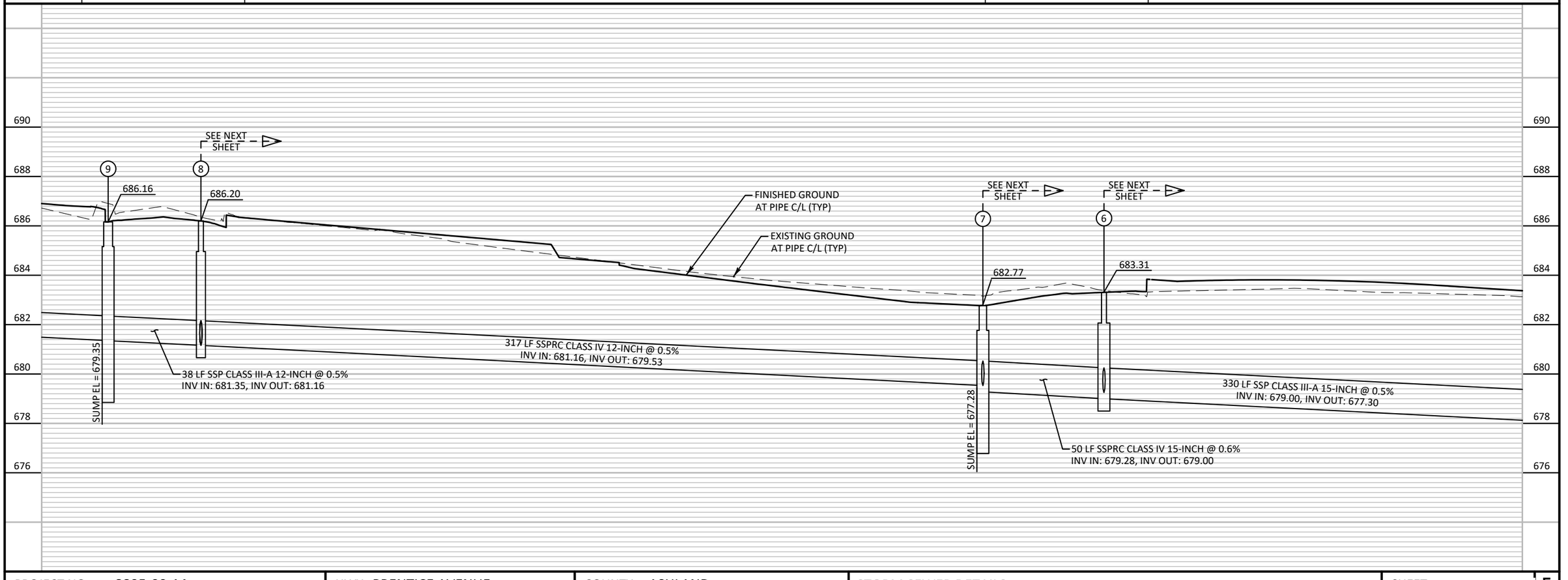




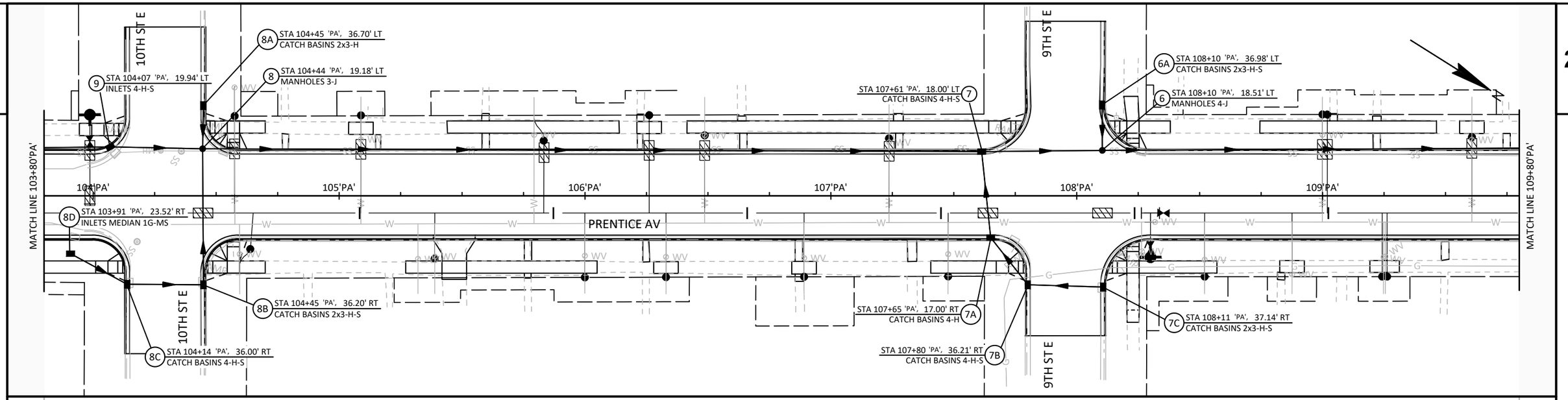
PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	STORM SEWER DETAILS	SHEET 20	E

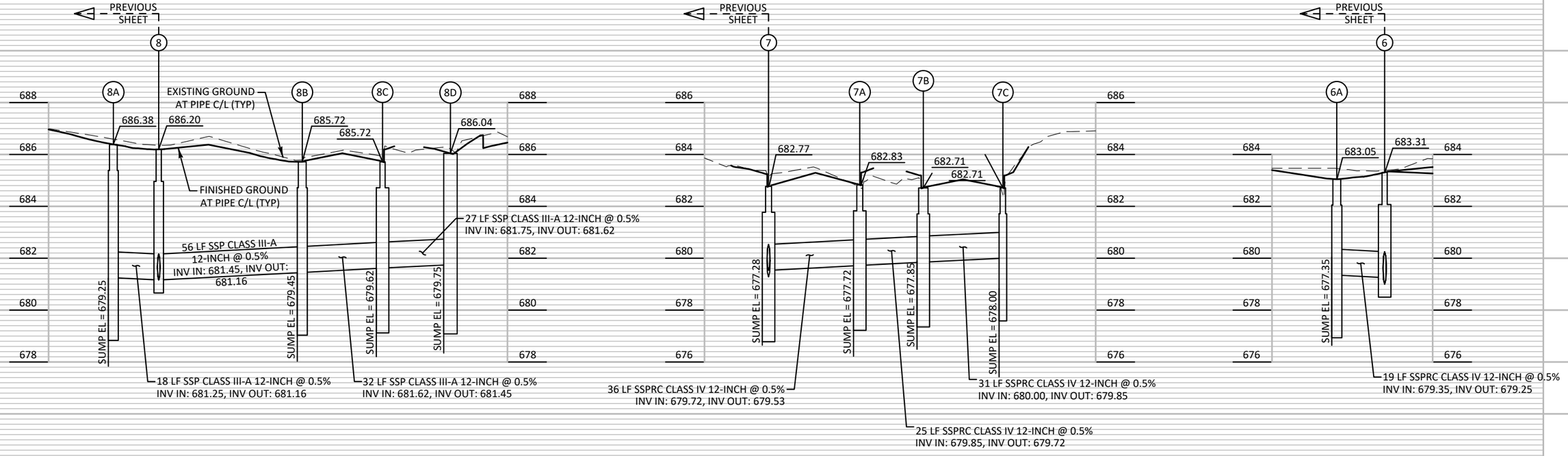
FILE NAME : X:\AE\A\ASHLA\168766\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\89950014\SHEETS\SEC 02 TYP SEC & DETAILS\022500_SS (STM SWR DETAILS).DWG
PLOT DATE : 1/16/2024 2:10 PM
PLOT BY : SEH
LAYOUT NAME : 01
PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 42





PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	STORM SEWER DETAILS	SHEET 21 E





PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	STORM SEWER DETAILS	SHEET 22	E

FILE NAME : X:\AE\A\ASHLA\168766\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\89950014\SHEETS\SEC 02 TYP SEC & DETAILS\022500_SS (STM SWR DETAILS).DWG PLOT DATE : 1/16/2024 2:11 PM PLOT BY : SEH LAYOUT NAME : 03 PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 42

2

MATCH LINE 109+80'PA'

MATCH LINE 115+80'PA'

110'PA' 111'PA' 112'PA' 113'PA' 114'PA' 115'PA'

PRENTICE AV

8TH ST E

7TH ST E

STA 111+47 'PA', 35.07' LT
CATCH BASINS 2x3-H-S (4B)

STA 111+40 'PA', 20.30' LT
CATCH BASINS 4-H (5)

STA 111+77 'PA', 35.48' LT
CATCH BASINS 2x3-H-S (4A)

STA 111+77 'PA', 18.50' LT
MANHOLES 4-J (4)

STA 115+47 'PA', 22.62' LT
CATCH BASINS 4-H-S (2B)

STA 115+13 'PA', 35.19' LT
CATCH BASINS 2x3-H-S (2A)

STA 115+12 'PA', 19.78' LT
MANHOLES 4-J (2)

STA 114+91 'PA', 18.00' LT
CATCH BASINS 4-H (3)

STA 114+91 'PA', 17.00' RT
CATCH BASINS 4-H (3A)

STA 115+13 'PA', 36.09' RT
CATCH BASINS 4-H-S (3B)

STA 115+43 'PA', 36.21' RT
CATCH BASINS 2x3-H-S (3C)

STA 111+42 'PA', 21.00' RT
INLETS 4-H (5A)

STA 111+46 'PA', 36.10' RT
CATCH BASINS 4-H-S (5B)

STA 111+77 'PA', 36.50' RT
CATCH BASINS 2x3-H-S (5C)

686
684
682
680
678
676
674

SEE NEXT SHEET

682.00

682.04

681.78

681.01

680.73

EXISTING GROUND
AT PIPE C/L (TYP)

FINISHED GROUND
AT PIPE C/L (TYP)

SUMP EL = 675.30

SUMP EL = 677.05

SUMP EL = 673.90

SUMP EL = 675.38

SUMP EL = 673.20

315 LF SSP CLASS III-A 15-INCH @ 0.5%
INV IN: 677.10, INV OUT: 675.52

37 LF SSP CLASS III-A 15-INCH @ 0.5%
INV IN: 677.30, INV OUT: 677.10

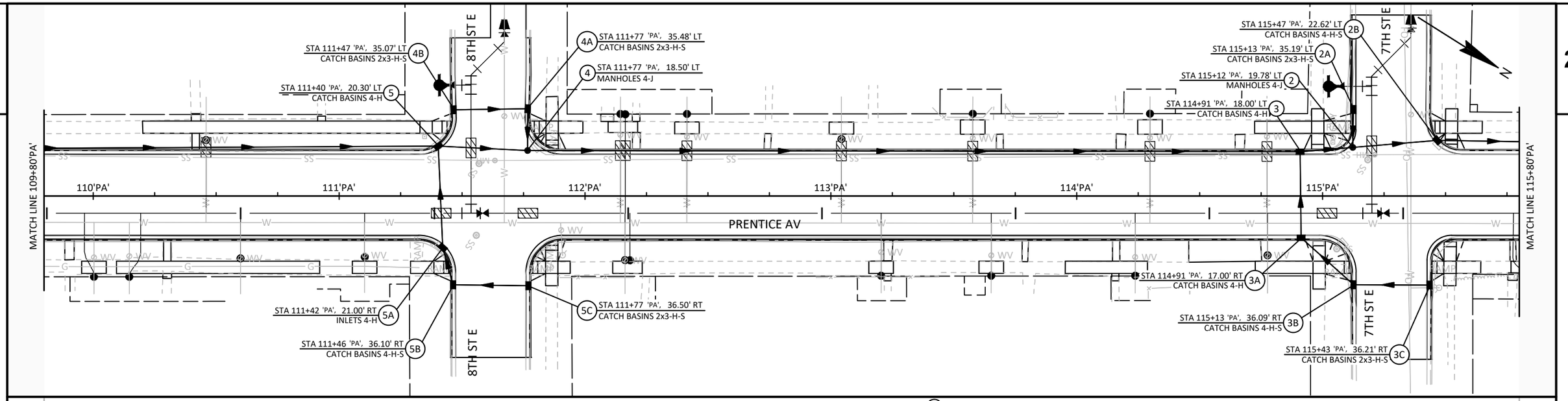
22 LF SSP CLASS III-A 15-INCH @ 0.5%
INV IN: 675.50, INV OUT: 675.38

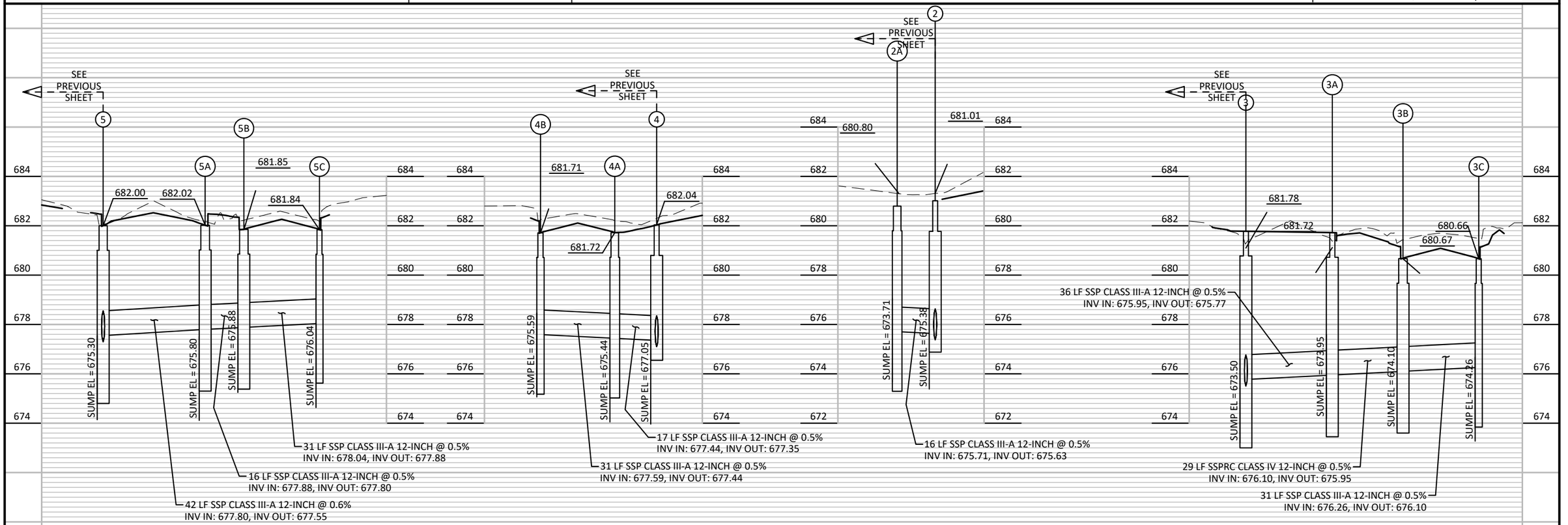
35 LF SSP CLASS III-A 15-INCH @ 0.5%
INV IN: 675.38, INV OUT: 675.20

PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	STORM SEWER DETAILS	SHEET 23 E

FILE NAME : X:\AE\A\ASHLA\168766\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\89950014\SHEETS\SEC 02 TYP SEC & DETAILS\022500_SS (STM SWR DETAILS).DWG PLOT DATE : 1/16/2024 2:11 PM PLOT BY : SEH LAYOUT NAME : 04 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

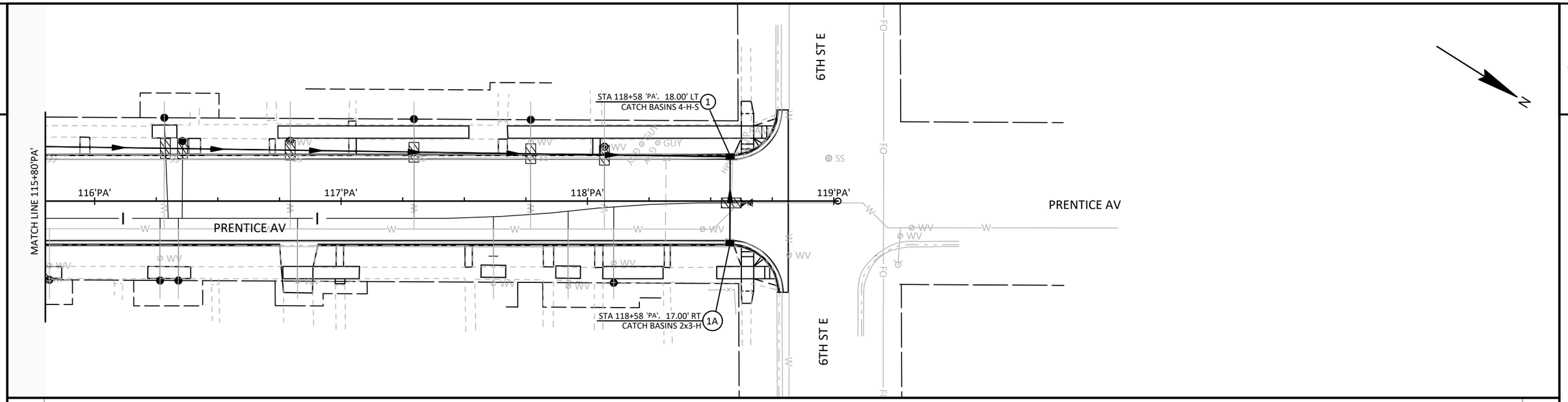


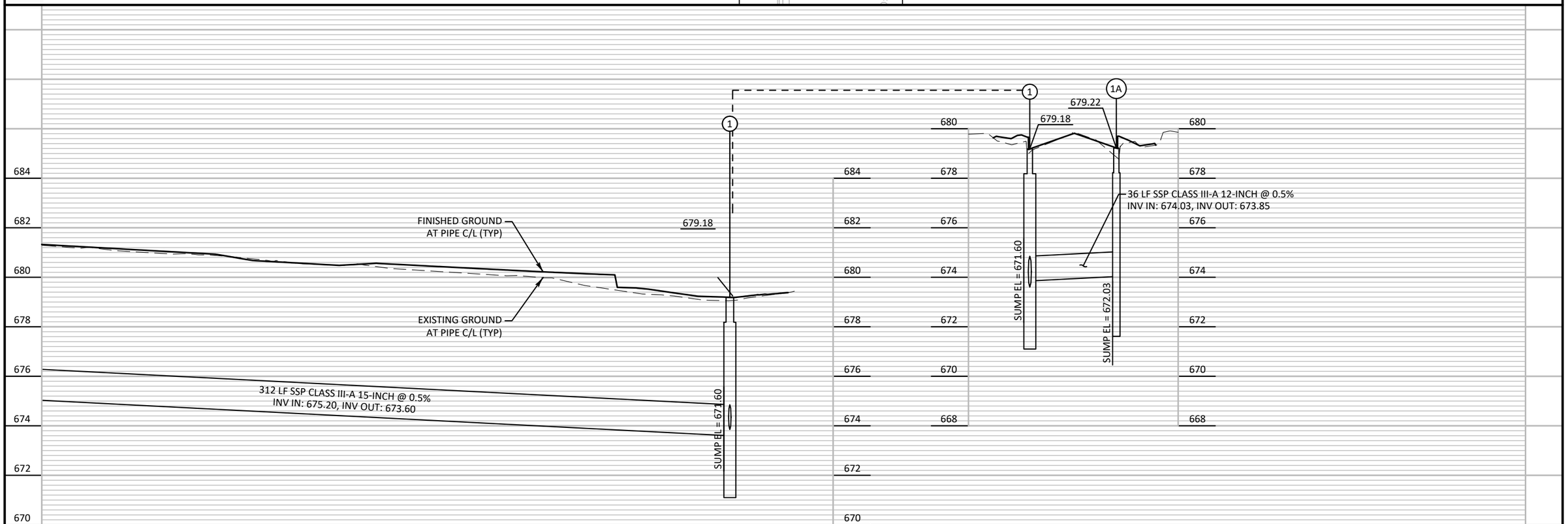


PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	STORM SEWER DETAILS	SHEET 24	E

FILE NAME : X:\AE\A\ASHLA\168766\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\89950014\SHEETS\SEC 02 TYP SEC & DETAILS\022500_SS (STM SWR DETAILS).DWG
PLOT DATE : 1/16/2024 2:11 PM
PLOT BY : SEH
LAYOUT NAME : 05
PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 42

2



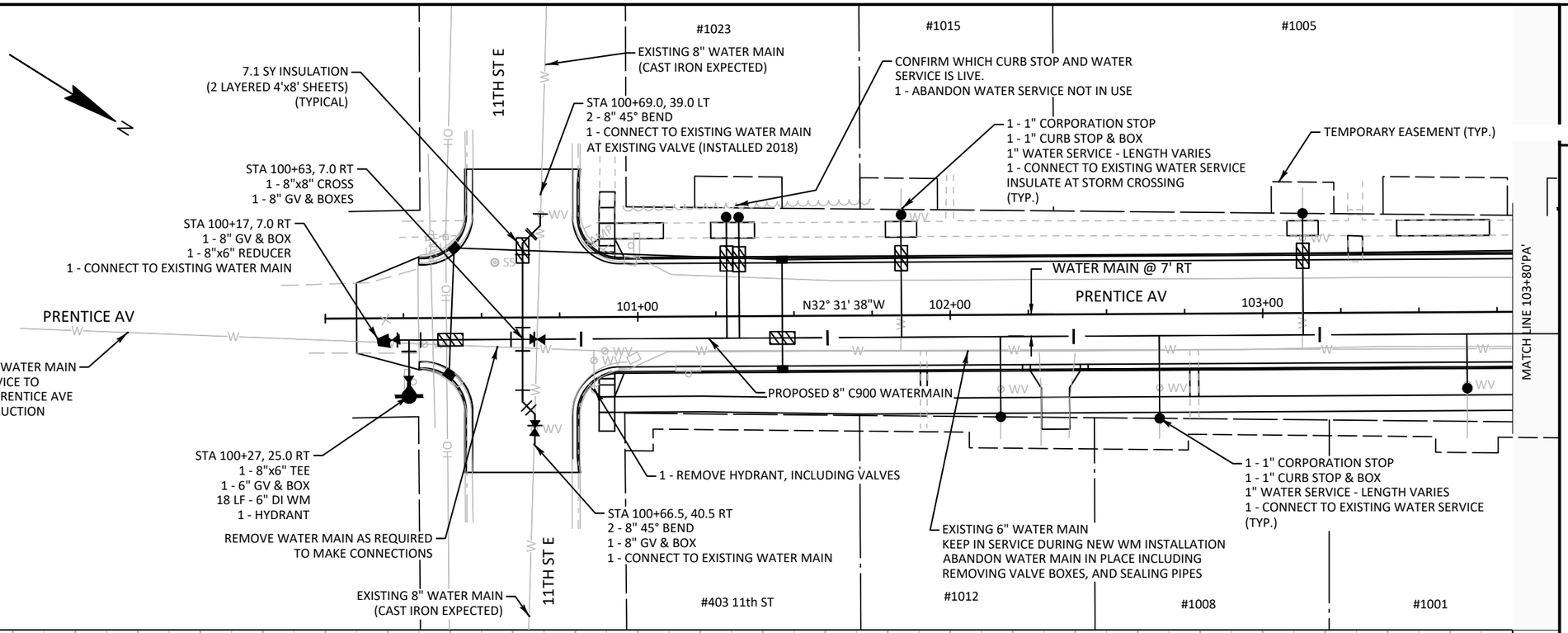


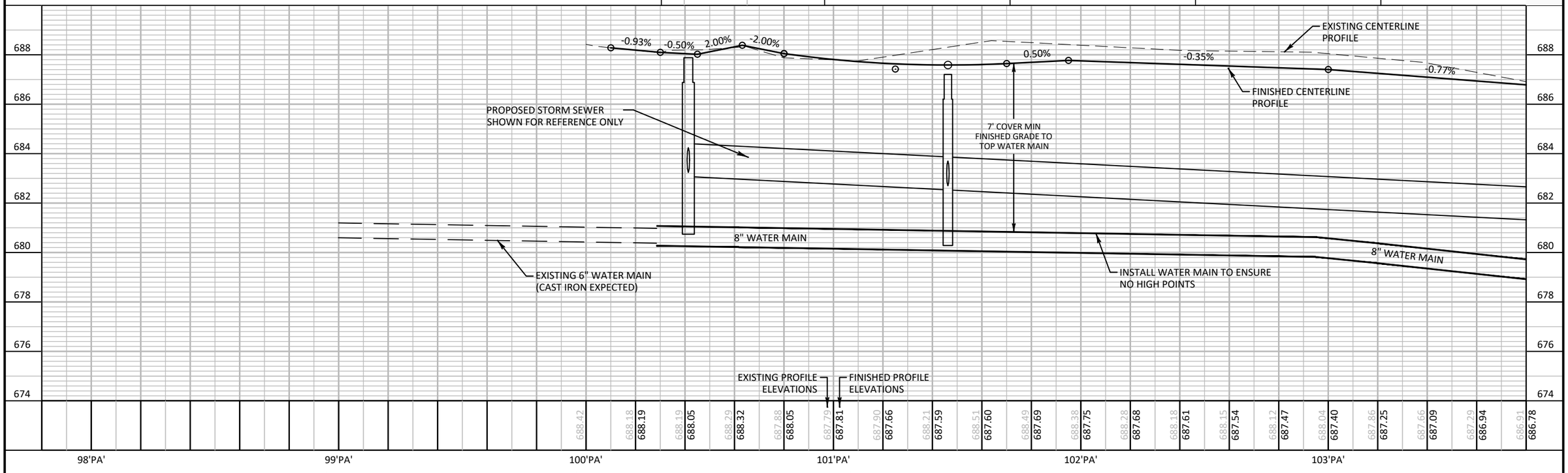
PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	STORM SEWER DETAILS	SHEET 25 E

WATER NOTES:

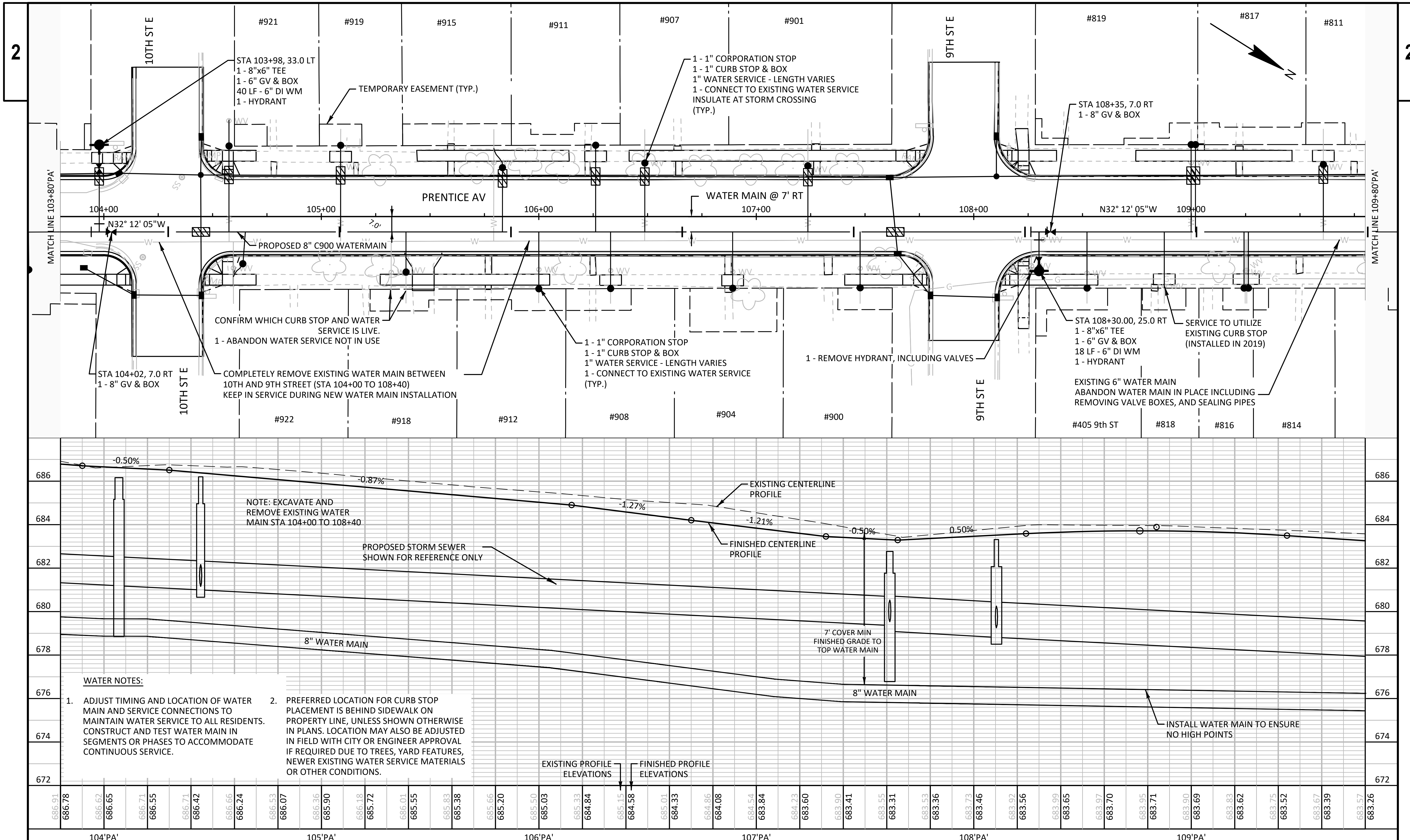
1. ADJUST TIMING AND LOCATION OF WATER MAIN AND SERVICE CONNECTIONS TO MAINTAIN WATER SERVICE TO ALL RESIDENTS. CONSTRUCT AND TEST WATER MAIN IN SEGMENTS OR PHASES TO ACCOMMODATE CONTINUOUS SERVICE.

2. PREFERRED LOCATION FOR CURB STOP PLACEMENT IS BEHIND SIDEWALK, 6" FROM PROPERTY LINE, UNLESS SHOWN OTHERWISE IN PLANS. LOCATION MAY ALSO BE ADJUSTED IN FIELD WITH CITY OR ENGINEER APPROVAL IF REQUIRED DUE TO TREES, YARD FEATURES, NEWER EXISTING WATER SERVICE MATERIALS OR OTHER CONDITIONS.



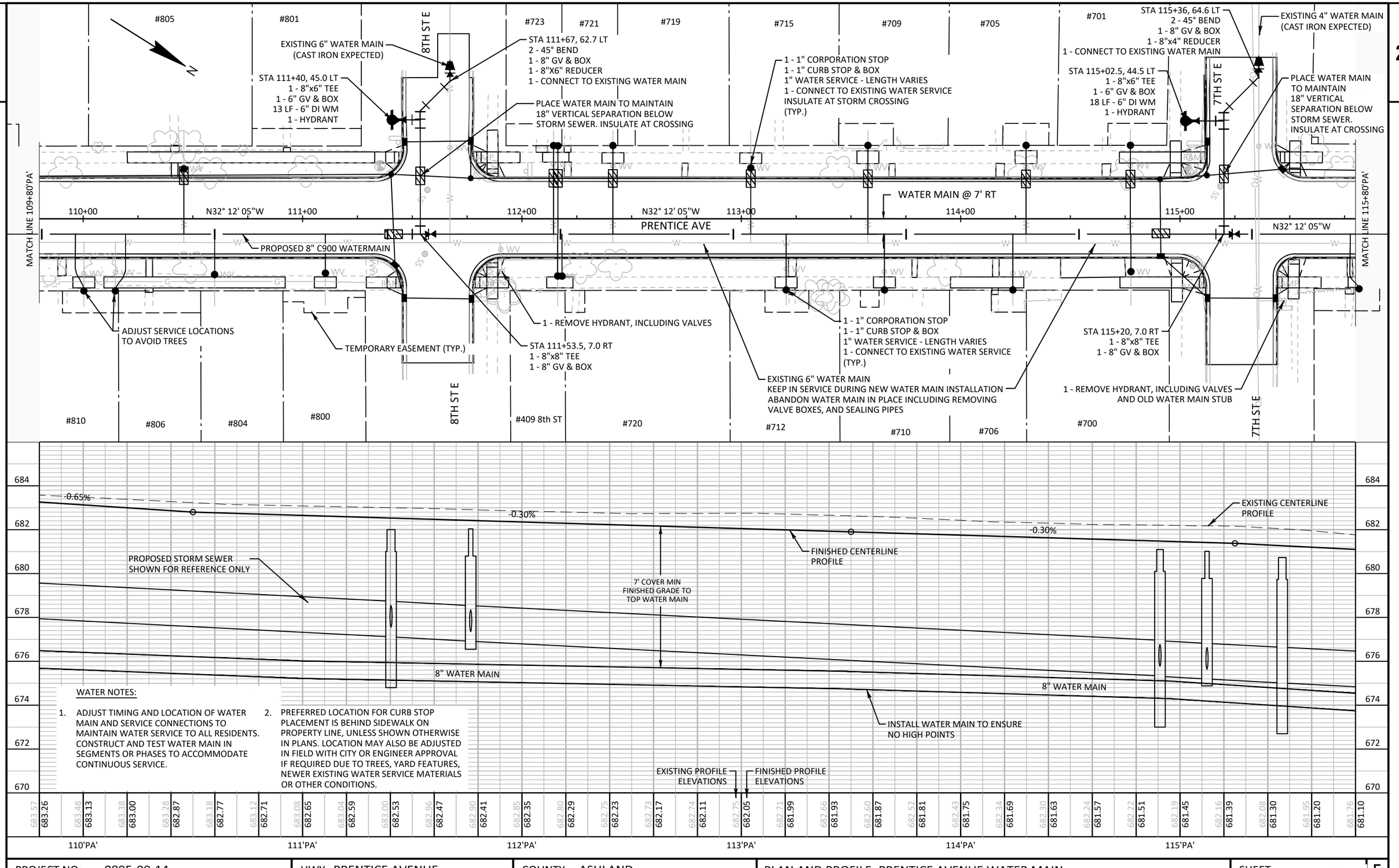


PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	PLAN AND PROFILE: PRENTICE AVENUE WATER MAIN	SHEET 26 E



PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	PLAN AND PROFILE: PRENTICE AVENUE WATER MAIN	SHEET 27	E

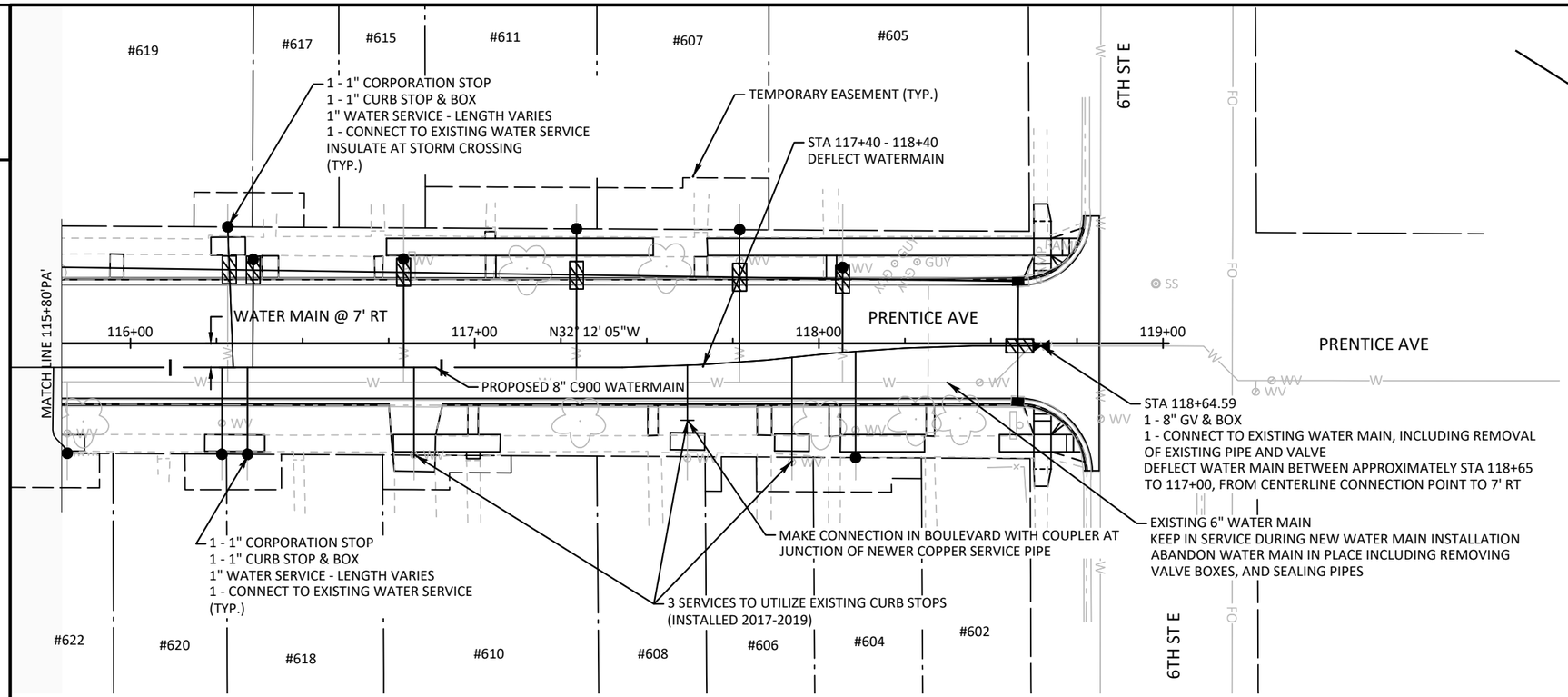
FILE NAME : X:\AE\A\ASHLA\168556\5-final-dsgn\51-drawings\10-Civil\cad\dwg\sheet\050100_Watermain.dwg PLOT DATE : 2/19/2024 10:23 AM PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1.0 IN = 40.0 FT WISDOT/CADDS SHEET 42



WATER NOTES:

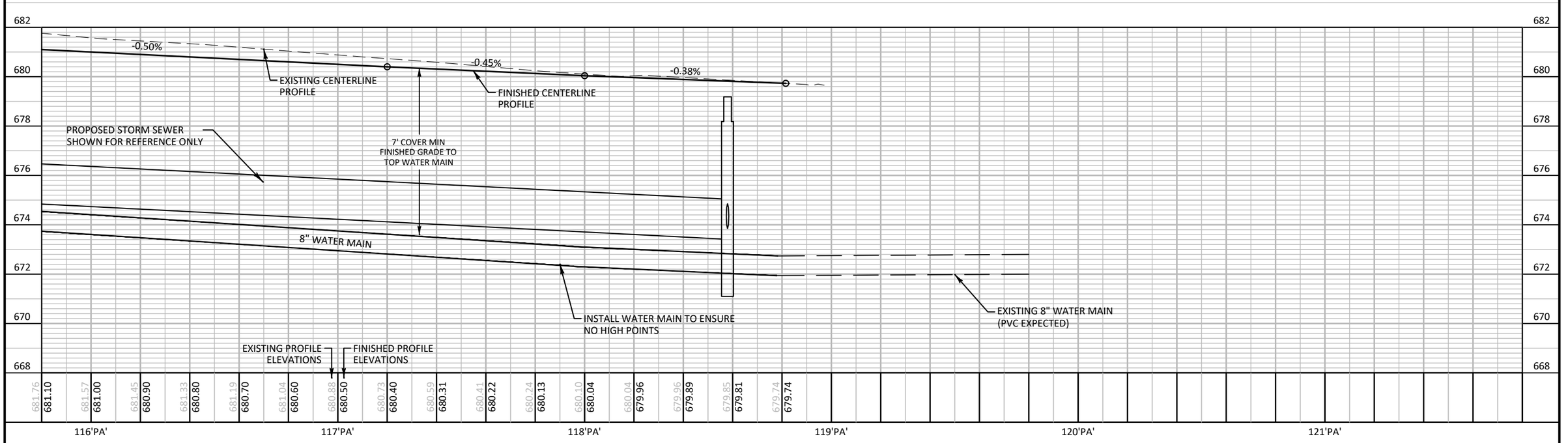
1. ADJUST TIMING AND LOCATION OF WATER MAIN AND SERVICE CONNECTIONS TO MAINTAIN WATER SERVICE TO ALL RESIDENTS. CONSTRUCT AND TEST WATER MAIN IN SEGMENTS OR PHASES TO ACCOMMODATE CONTINUOUS SERVICE.
2. PREFERRED LOCATION FOR CURB STOP PLACEMENT IS BEHIND SIDEWALK ON PROPERTY LINE, UNLESS SHOWN OTHERWISE IN PLANS. LOCATION MAY ALSO BE ADJUSTED IN FIELD WITH CITY OR ENGINEER APPROVAL IF REQUIRED DUE TO TREES, YARD FEATURES, NEWER EXISTING WATER SERVICE MATERIALS OR OTHER CONDITIONS.

PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	PLAN AND PROFILE: PRENTICE AVENUE WATER MAIN	SHEET 28 E



WATER NOTES:

1. ADJUST TIMING AND LOCATION OF WATER MAIN AND SERVICE CONNECTIONS TO MAINTAIN WATER SERVICE TO ALL RESIDENTS. CONSTRUCT AND TEST WATER MAIN IN SEGMENTS OR PHASES TO ACCOMMODATE CONTINUOUS SERVICE.
2. PREFERRED LOCATION FOR CURB STOP PLACEMENT IS BEHIND SIDEWALK, 6" FROM PROPERTY LINE, UNLESS SHOWN OTHERWISE IN PLANS. LOCATION MAY ALSO BE ADJUSTED IN FIELD WITH CITY OR ENGINEER APPROVAL IF REQUIRED DUE TO TREES, YARD FEATURES, NEWER EXISTING WATER SERVICE MATERIALS OR OTHER CONDITIONS.

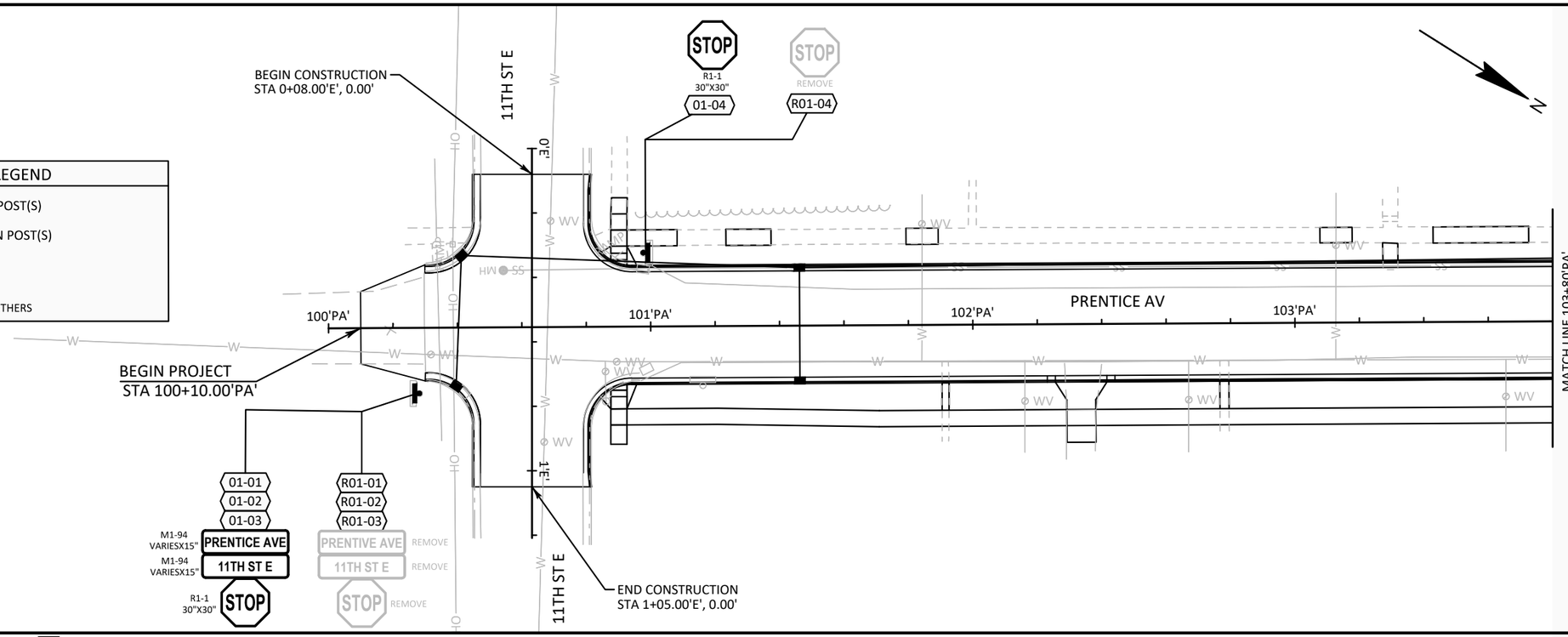


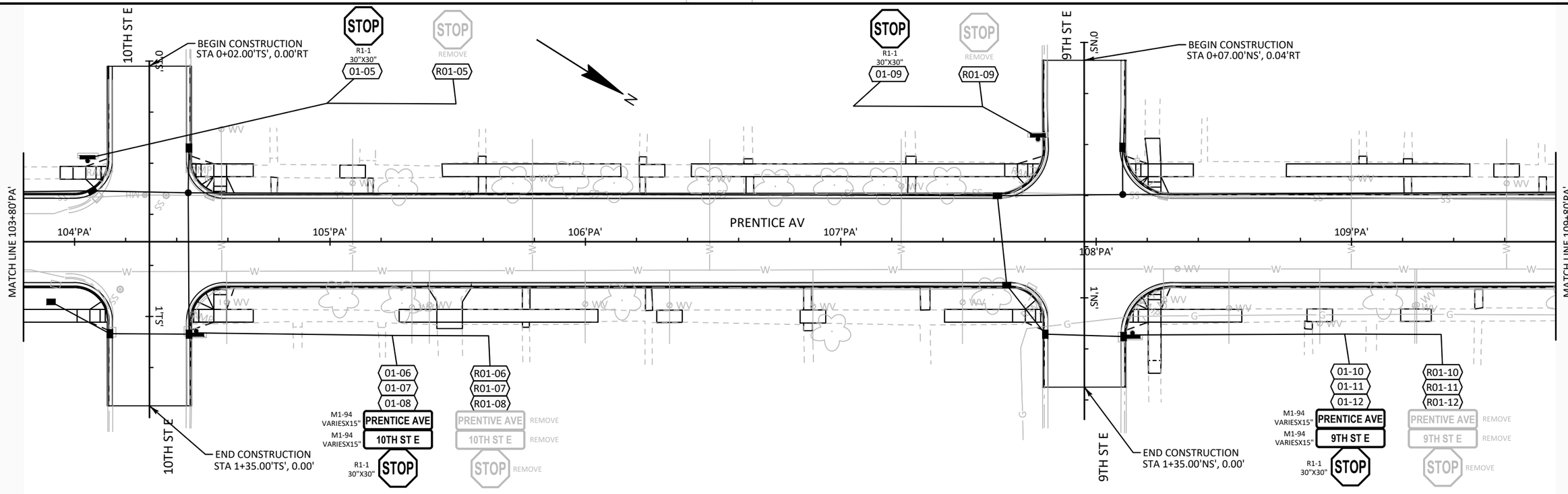
PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	PLAN AND PROFILE: PRENTICE AVENUE WATER MAIN	SHEET 29 E

2

PERMANENT SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- xx00-00 — DENOTES SIGN NUMBER
  - SIGN COUNT SEQUENCE PER PAGE
  - PAGE NUMBER
  - WORK CODE: M=MOVE, W=WORK BY OTHERS





PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	PERMANENT SIGNING	PAGE 01 OF 02	SHEET 30 E

FILE NAME : X:\AE\A\ASHLA\168766\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\89950014\SHEETS\SEC 02 TYP SEC & DETAILS\023201_PS (PERMANENT SIGNING).DWG PLOT DATE : 1/16/2024 2:13 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1.0 IN = 40.0 FT

2

STOP R1-1 30"X30" 02-01

STOP REMOVE R02-01

8TH ST E

BEGIN CONSTRUCTION
STA 0+05.00'ES', 0.00'

STOP R1-1 30"X30" 02-05

STOP REMOVE R02-05

BEGIN CONSTRUCTION
STA 0+10.00'SS', 0.00'

7TH ST E

MATCH LINE 109+80'PA'

110'PA' 111'PA' 112'PA' PRENTICE AV 113'PA' 114'PA' 115'PA'

MATCH LINE 115+80'PA'

02-02 02-03 02-04 M1-94 VARIESX15" PRENTICE AVE M1-94 VARIESX15" 8TH ST E R1-1 30"X30" STOP

R02-02 R02-03 R02-04 PRENTIVE AVE REMOVE 8TH ST E REMOVE STOP REMOVE

02-06 02-07 02-08 M1-94 VARIESX15" PRENTICE AVE M1-94 VARIESX15" 7TH ST E R1-1 30"X30" STOP

R02-06 R02-07 R02-08 PRENTIVE AVE REMOVE 7TH ST E REMOVE STOP REMOVE

END CONSTRUCTION
STA 1+35.00'ES', 0.00'

END CONSTRUCTION
STA 1+50.00'SS', 0.04'RT

7TH ST E

8TH ST E

R7-8A 12"X18" R7-1R 18"X24" NO PARKING ANY TIME REMOVE

02-09 02-10 R02-09 R02-10

R7-1L 18"X24" NO PARKING ANY TIME REMOVE

02-11 R02-11

6TH ST E

END PROJECT
STA 118+81.46'PA'

MATCH LINE 115+80'PA'

116'PA' 117'PA' PRENTICE AV 118'PA' 119'PA'

02-12 02-13 02-14 M1-94 VARIESX15" PRENTICE AVE M1-94 VARIESX15" 6TH ST E R1-1 30"X30" STOP

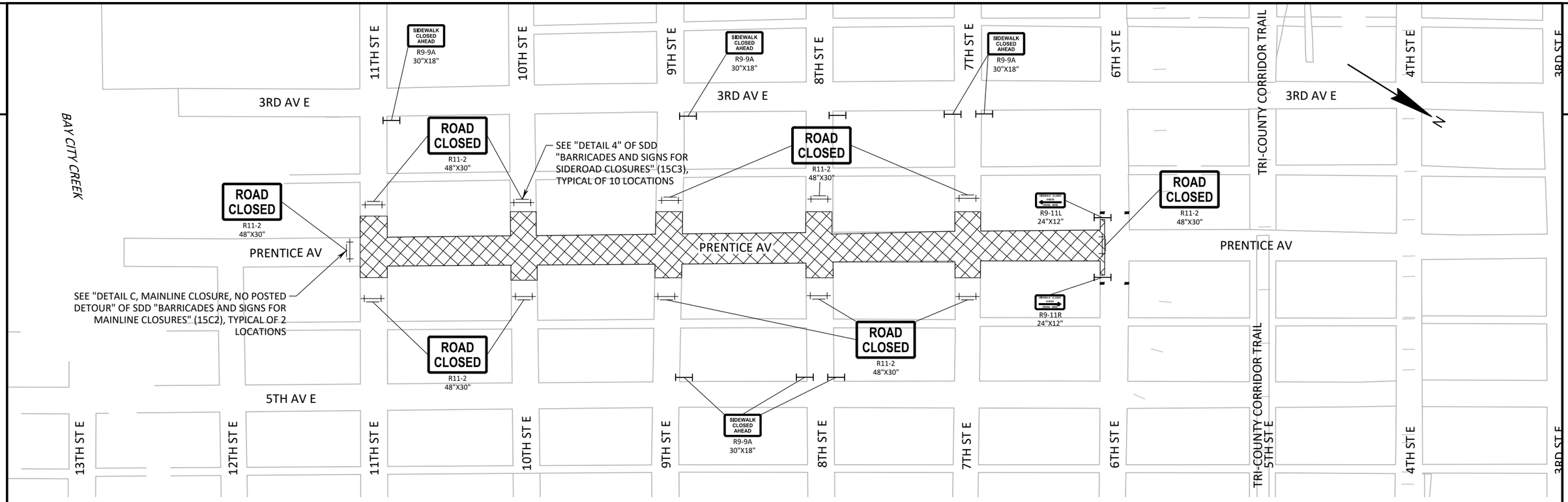
R02-12 R02-13 R02-14 PRENTIVE AVE REMOVE 6TH ST E REMOVE STOP REMOVE

6TH ST E

PERMANENT SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- xx00-00 DENOTES SIGN NUMBER
  - SIGN COUNT SEQUENCE PER PAGE
  - PAGE NUMBER
  - WORK CODE: M=MOVE, W=WORK BY OTHERS

PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	PERMANENT SIGNING	PAGE 02 OF 02	SHEET 31	E



TRAFFIC CONTROL LEGEND

- TEMPORARY CURB RAMP
- TYPE II BARRICADE
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH SIGN
- WORK SPACE, CLOSED TO TRAFFIC

GENERAL NOTES: TRAFFIC CONTROL

1. THE FOLLOWING NOTES ARE APPLICABLE TO ALL STAGES. SEE THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC CONTROL AND CONSTRUCTION STAGING REQUIREMENTS.
2. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.
3. ALL "WO" OR "W" DIAMOND SHAPED WARNING SIGNS, SIGNS ARE 36"x36" UNLESS OTHERWISE NOTED.
4. MOUNT ALL PORTABLE TRAFFIC CONTROL SIGNS AT A MINIMUM HEIGHT OF 5 FEET, MEASURED FROM THE BOTTOM OF THE SIGN, ABOVE THE EDGE OF PAVEMENT.
5. THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 50 FEET, (200 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.
6. SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.
7. PLACE TEMPORARY CURB RAMPS AT THE INTERSECTION WITH 6TH ST E TO MAINTAIN ACCESS FOR PEDESTRIAN TRAFFIC. SDD 15D30-09C WILL BE UTILIZED FOR PEDESTRIAN ACCOMMODATIONS.

PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	TRAFFIC CONTROL - GENERAL NOTES & WORK SPACE OVERVIEW	SHEET 32	E

FILE NAME : X:\AE\A\ASHLA\168766\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\89950014\SHEETS\SEC 02 TYP SEC & DETAILS\025000-TC (TC GEN NOTES & SHT INDEX).DWG PLOT DATE : 2/19/2024 11:02 AM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1.0 IN = 250.0 FT
WISDOT/CADDS SHEET 42

Estimate Of Quantities

8895-00-14

Line	Item	Item Description	Unit	Total	Qty
0002	201.0220	Grubbing	ID	398.000	398.000
0004	204.0100	Removing Concrete Pavement	SY	46.000	46.000
0006	204.0150	Removing Curb & Gutter	LF	3,588.000	3,588.000
0008	204.0155	Removing Concrete Sidewalk	SY	1,165.000	1,165.000
0010	204.0210	Removing Manholes	EACH	7.000	7.000
0012	204.0215	Removing Catch Basins	EACH	22.000	22.000
0014	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	1,272.000	1,272.000
0016	204.0245	Removing Storm Sewer (size) 02. 15-Inch	LF	1,032.000	1,032.000
0018	205.0100	Excavation Common	CY	7,575.000	7,575.000
0020	209.1500	Backfill Granular Grade 1	TON	4,643.000	4,643.000
0022	213.0100	Finishing Roadway (project) 01. 8895-00-14	EACH	1.000	1.000
0024	305.0110	Base Aggregate Dense 3/4-Inch	TON	540.000	540.000
0026	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	4,946.000	4,946.000
0028	450.4000	HMA Cold Weather Paving	TON	268.000	268.000
0030	455.0605	Tack Coat	GAL	425.000	425.000
0032	460.2000	Incentive Density HMA Pavement	DOL	1,220.000	1,220.000
0034	460.5223	HMA Pavement 3 LT 58-28 S	TON	1,071.000	1,071.000
0036	460.5244	HMA Pavement 4 LT 58-34 S	TON	833.000	833.000
0038	520.8000	Concrete Collars for Pipe	EACH	1.000	1.000
0040	602.0405	Concrete Sidewalk 4-Inch	SF	11,240.000	11,240.000
0042	602.0415	Concrete Sidewalk 6-Inch	SF	156.000	156.000
0044	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	320.000	320.000
0046	602.0810	Concrete Driveway 6-Inch	SY	37.000	37.000
0048	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	438.000	438.000
0050	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	50.000	50.000
0052	608.3012	Storm Sewer Pipe Class III-A 12-Inch	LF	883.000	883.000
0054	608.3015	Storm Sewer Pipe Class III-A 15-Inch	LF	1,052.000	1,052.000
0056	611.0530	Manhole Covers Type J	EACH	4.000	4.000
0058	611.0624	Inlet Covers Type H	EACH	7.000	7.000
0060	611.0639	Inlet Covers Type H-S	EACH	20.000	20.000
0062	611.0642	Inlet Covers Type MS	EACH	1.000	1.000
0064	611.1004	Catch Basins 4-FT Diameter	EACH	15.000	15.000
0066	611.1230	Catch Basins 2x3-FT	EACH	12.000	12.000
0068	611.2003	Manholes 3-FT Diameter	EACH	1.000	1.000
0070	611.2004	Manholes 4-FT Diameter	EACH	3.000	3.000
0072	611.3901	Inlets Median 1 Grate	EACH	1.000	1.000
0074	611.8120.S	Cover Plates Temporary	EACH	32.000	32.000
0076	612.0404	Pipe Underdrain Wrapped 4-Inch	LF	4,171.000	4,171.000
0078	612.0902.S	Insulation Board Polystyrene (inch) 01. 2-Inch	SY	285.000	285.000
0080	618.0100	Maintenance and Repair of Haul Roads (project) 01. 8895-00-14	EACH	1.000	1.000
0082	619.1000	Mobilization	EACH	1.000	1.000
0084	624.0100	Water	MGAL	55.000	55.000
0086	625.0500	Salvaged Topsoil	SY	4,100.000	4,100.000
0088	627.0200	Mulching	SY	520.000	520.000
0090	628.1504	Silt Fence	LF	100.000	100.000
0092	628.1520	Silt Fence Maintenance	LF	100.000	100.000
0094	628.1905	Mobilizations Erosion Control	EACH	8.000	8.000
0096	628.1910	Mobilizations Emergency Erosion Control	EACH	4.000	4.000
0098	628.2006	Erosion Mat Urban Class I Type A	SY	3,430.000	3,430.000
0100	628.7005	Inlet Protection Type A	EACH	47.000	47.000

8895-00-14

Line	Item	Item Description	Unit	Total	Qty
0102	628.7010	Inlet Protection Type B	EACH	2.000	2.000
0104	628.7015	Inlet Protection Type C	EACH	33.000	33.000
0106	628.7560	Tracking Pads	EACH	2.000	2.000
0108	629.0205	Fertilizer Type A	CWT	3.000	3.000
0110	630.0120	Seeding Mixture No. 20	LB	120.000	120.000
0112	630.0200	Seeding Temporary	LB	120.000	120.000
0114	630.0500	Seed Water	MGAL	100.000	100.000
0116	634.0812	Posts Tubular Steel 2x2-Inch X 12-FT	EACH	13.000	13.000
0118	637.2210	Signs Type II Reflective H	SF	90.700	90.700
0120	638.2602	Removing Signs Type II	EACH	24.000	24.000
0122	638.3000	Removing Small Sign Supports	EACH	13.000	13.000
0124	642.5201	Field Office Type C	EACH	1.000	1.000
0126	643.0410	Traffic Control Barricades Type II	DAY	1,000.000	1,000.000
0128	643.0420	Traffic Control Barricades Type III	DAY	3,200.000	3,200.000
0130	643.0705	Traffic Control Warning Lights Type A	DAY	6,400.000	6,400.000
0132	643.0900	Traffic Control Signs	DAY	4,900.000	4,900.000
0134	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000
0136	643.5000	Traffic Control	EACH	1.000	1.000
0138	644.1601	Temporary Pedestrian Curb Ramp	DAY	400.000	400.000
0140	645.0220	Geogrid Type SR	SY	10,236.000	10,236.000
0142	650.4000	Construction Staking Storm Sewer	EACH	26.000	26.000
0144	650.4500	Construction Staking Subgrade	LF	1,872.000	1,872.000
0146	650.5000	Construction Staking Base	LF	1,872.000	1,872.000
0148	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	3,953.000	3,953.000
0150	650.9000	Construction Staking Curb Ramps	EACH	32.000	32.000
0152	650.9500	Construction Staking Sidewalk (project) 01. 8895-00-14	EACH	1.000	1.000
0154	650.9911	Construction Staking Supplemental Control (project) 01. 8895-00-14	EACH	1.000	1.000
0156	650.9920	Construction Staking Slope Stakes	LF	1,872.000	1,872.000
0158	690.0150	Sawing Asphalt	LF	397.000	397.000
0160	690.0250	Sawing Concrete	LF	610.000	610.000
0162	740.0440	Incentive IRI Ride	DOL	1,418.000	1,418.000
0164	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	800.000	800.000
0166	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	600.000	600.000
0168	SPV.0060	Special 01. Exploratory Excavation	EACH	3.000	3.000
0170	SPV.0060	Special 02. Remove Existing Hydrant and Lead	EACH	4.000	4.000
0172	SPV.0060	Special 03. Abandon Water Service	EACH	2.000	2.000
0174	SPV.0060	Special 04. Connect to Existing Water Main	EACH	6.000	6.000
0176	SPV.0060	Special 05. Lower Water Main	EACH	2.000	2.000
0178	SPV.0060	Special 06. Gate Valve and Box 6-Inch	EACH	5.000	5.000
0180	SPV.0060	Special 07. Gate Valve and Box 8-Inch	EACH	10.000	10.000
0182	SPV.0060	Special 08. Hydrant 7.5-FT Bury Depth	EACH	5.000	5.000
0184	SPV.0060	Special 09. Connect to Existing Water Service	EACH	57.000	57.000
0186	SPV.0060	Special 10. Corporation Stop 1-Inch	EACH	57.000	57.000
0188	SPV.0060	Special 11. Curb Stop and Box 1-Inch	EACH	53.000	53.000
0190	SPV.0060	Special 12. Adjust Existing Water Valve Box	EACH	1.000	1.000
0192	SPV.0060	Special 13. Maintain Water Service During Construction	EACH	1.000	1.000
0194	SPV.0060	Special 14. Project Sign	EACH	1.000	1.000
0196	SPV.0085	Special 01. Water Main Fittings	LB	1,232.000	1,232.000
0198	SPV.0090	Special 01. Concrete Curb & Gutter 24-Inch Type D	LF	4,171.000	4,171.000
0200	SPV.0090	Special 02. Water Service Pipe 1-Inch	LF	1,760.000	1,760.000

8895-00-14

Line	Item	Item Description	Unit	Total	Qty
0202	SPV.0090	Special 03. Remove Water Main	LF	530.000	530.000
0204	SPV.0090	Special 04. Water Main C900 6-Inch	LF	107.000	107.000
0206	SPV.0090	Special 05. Water Main C900 8-Inch	LF	2,092.000	2,092.000

3

GRUBBING

CATEGORY	STATION	LOCATION	201.0220 GRUBBING ID	REMARKS
0010	104+44 - 107+80	LT&RT	160	-
	108+10 - 111+47	LT&RT	96	-
	111+76 - 115+13	LT&RT	38	-
	115+42 - 118+79	LT&RT	104	-
	PROJECT TOTALS		398	

REMOVING SIDEWALK

CATEGORY	STATION	LOCATION	204.0115 REMOVING CONCRETE SIDEWALK SY	REMARKS
0010	100+30 - 100+47	LT&RT	10	-
	100+79 - 104+15	LT&RT	73	-
	104+44 - 107+80	LT&RT	273	-
	108+10 - 111+47	LT&RT	299	-
	111+76 - 115+13	LT&RT	216	-
	115+42 - 118+79	LT&RT	293	-
	PROJECT TOTALS		1165	

REMOVING STORM SEWER STRUCTURES

CATEGORY	STATION	LOCATION	204.0210 REMOVING MANHOLES EACH	204.0215 REMOVING CATCH BASINS EACH	REMARKS
0010	100+40	LT	-	1	-
	100+41	RT	-	1	-
	100+54	LT	1	-	-
	100+98	LT	-	1	-
	100+99	RT	-	1	-
	103+93	RT	-	1	-
	104+08	LT	-	1	-
	104+13	RT	-	1	-
	104+18	RT	1	-	-
	104+36	LT	1	-	-
	104+45	RT	-	1	-
	104+54	LT	-	1	-
	107+69	LT	-	1	-
	107+75	RT	-	1	-
	108+11	RT	-	1	-
	108+26	LT	-	1	-
	111+38	LT	-	1	-
	111+40	RT	-	1	-
	111+56	RT	1	-	-
	111+57	LT	1	-	-
	111+80	RT	-	1	-
	111+81	LT	-	1	-
	115+06	RT	1	-	-
	115+06	LT	-	1	-
	115+07	RT	-	1	-
	115+18	LT	1	-	-
	115+48	LT	-	1	-
	118+58	RT	-	1	-
	118+59	LT	-	1	-
	PROJECT TOTALS		7	22	

EARTHWORK SUMMARY (PROJECT ID 8895-00-14)

CATEGORY	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	SALVAGED / UNUSABLE PAVEMENT MATERIAL (3)	AVAILABLE MATERIAL (4)	UNEXPANDED FILL	EXPANDED FILL (6) FACTOR 1.25	MASS ORDINATE +/- (7)
0010	101+00 - 118+81	PRENTICE AVE	5,965	958	5,007	39	49	4,958
		11TH ST (5)	346	68	278	1	1	277
		10TH ST (5)	297	50	247	1	1	246
		9TH ST (5)	303	47	256	1	2	254
		8TH ST (5)	305	46	259	1	1	258
		7TH ST (5)	359	52	307	0	1	306
PROJECT TOTAL			7,575					

NOTES:
(1) COMMON EXCAVATION IS THE SUM OF THE CUT COLUMN. ITEM NUMBER 205.0100
(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
(3) SALVAGED/UNUSABLE PAVEMENT MATERIAL
(4) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL
(5) THE CUT AND FILL VALUES WERE OBTAINED FROM A SURFACE TO SURFACE VOLUME COMPARISON
(6) EXPANDED FILL FACTOR = X.6X
(7) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SH

REMOVING CONCRETE DRIVEWAY

CATEGORY	STATION	LOCATION	204.0115 REMOVING CONCRETE PAVEMENT SY	REMARKS
0010	102+34	RT	22	CONCRETE DRIVEWAY
	105+46	RT	10	CONCRETE DRIVEWAY
	116+83	RT	14	CONCRETE DRIVEWAY
	PROJECT TOTALS		46	

3

BASE AGGREGATE ITEMS

CATEGORY	STATION	LOCATION	209.1500 BACKFILL GRANULAR GRADE 1 TON	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	624.0100 WATER MGAL	645.0220 GEOGRID TYPE SR SY	REMARKS
0010	100+10 - 100+63	LT&RT	156	-	170	2	351	-
	100+63 - 104+29	LT&RT	894	125	953	11	1972	-
	104+29 - 107+95	LT&RT	919	119	978	11	2023	-
	107+95 - 111+61	LT&RT	917	124	977	11	2020	-
	111+61 - 115+28	LT&RT	926	73	985	11	2036	-
	115+28 - 118+82	LT&RT	831	99	883	10	1833	-
	PROJECT TOTALS		4643	540	4946	55	10236	

CONCRETE CURB AND GUTTER

CATEGORY	STATION	LOCATION	SPV.0090.01 CONCRETE CURB & GUTTER 24-INCH TYPE D LF	REMARKS
0010	100+30 - 100+47	LT&RT	80	-
	100+79 - 104+15	LT&RT	800	-
	104+44 - 107+80	LT&RT	832	-
	108+10 - 111+47	LT&RT	828	-
	111+76 - 115+13	LT&RT	847	-
	115+42 - 118+79	LT&RT	784	-
	PROJECT TOTALS		4171	

ASPHALTIC ITEMS

CATEGORY	STATION	LOCATION	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	460.5223 HMA PAVEMENT 3 LT 58-28 S TON	460.5244 HMA PAVEMENT 4 LT 58-34 S TON	REMARKS
0010	100+10 - 118+82	LT&RT	268	425	1071	833	-
	PROJECT TOTALS		268	425	1071	833	

REMOVING CURB AND GUTTER

CATEGORY	STATION	LOCATION	204.0150 REMOVING CURB & GUTTER LF	REMARKS
0010	100+30 - 100+47	LT&RT	80	-
	100+79 - 100+97	LT&RT	82	-
	103+97 - 104+15	LT&RT	120	-
	104+44 - 107+80	LT&RT	829	-
	108+10 - 111+47	LT&RT	828	-
	111+76 - 115+13	LT&RT	866	-
	115+42 - 118+79	LT&RT	783	-
	PROJECT TOTALS		3588	

DETECTABLE WARNING FIELDS

CATEGORY	STATION	LOCATION	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	REMARKS
0010	11TH STREET RAMPS	LT&RT	20	-
	10TH STREET RAMPS	LT&RT	60	-
	9TH STREET RAMPS	LT&RT	60	-
	8TH STREET RAMPS	LT&RT	60	-
	7TH STREET RAMPS	LT&RT	80	-
	6TH STREET RAMPS	LT&RT	40	-
	PROJECT TOTALS		320	

CONCRETE SIDEWALK AND DRIVEWAY

CATEGORY	STATION	LOCATION	602.0810 CONCRETE DRIVEWAY 6-INCH SY	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0415 CONCRETE SIDEWALK 6-INCH SF	REMARKS
0010	100+79 - 104+15	LT&RT	11	2293	45	-
	104+44 - 107+80	LT&RT	12	2328	50	-
	108+10 - 111+47	LT&RT	-	2478	-	-
	111+76 - 115+13	LT&RT	-	1916	-	-
	115+42 - 118+79	LT&RT	14	2225	61	-
	PROJECT TOTALS		37	11240	156	

REMOVING STORM SEWER PIPE

CATEGORY	STATION	LOCATION	204.0245 REMOVING STORM SEWER 12-INCH LF	204.0245 REMOVING STORM SEWER 15-INCH LF	REMARKS
0010	100+00 - 104+09	LT&RT	440	-	LATERALS AND TRUNK LINE
	104+09 - 107+69	LT&RT	442	-	LATERALS AND TRUNK LINE
	107+69 - 111+57	LT&RT	115	330	LATERALS AND TRUNK LINE
	111+57 - 115+18	LT&RT	144	361	LATERALS AND TRUNK LINE
	115+18 - 118+59	LT&RT	129	341	LATERALS AND TRUNK LINE
	PROJECT TOTALS		1272	1032	

PIPE UNDERDRAIN

CATEGORY	STATION	LOCATION	612.0404 PIPE UNDERDRAIN WRAPPED 4-INCH LF	REMARKS
0010	100+30 - 100+47	LT&RT	80	-
	100+79 - 104+15	LT&RT	800	-
	104+44 - 107+80	LT&RT	832	-
	108+10 - 111+47	LT&RT	828	-
	111+76 - 115+13	LT&RT	847	-
	115+42 - 118+79	LT&RT	784	-
	PROJECT TOTALS		4171	

STORM SEWER PIPE

CATEGORY	FROM STRUCTURE	TO STRUCTURE	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.3012 STORM SEWER PIPE CLASS III-A 12-INCH LF	608.3015 STORM SEWER PIPE CLASS III-A 15-INCH LF	REMARKS
0010	1A	1	-	-	36	-	-
	2B	1	-	-	-	313	-
	2	2B	-	-	-	35	-
	2A	2	-	-	15	-	-
	3	2	-	-	-	22	-
	3A	3	-	-	42	-	-
	3B	3A	-	-	40	-	-
	3C	3B					-
	4	3	-	-	-	315	-
	4A	4	-	-	17	-	-
	4B	4A	-	-	31	-	-
	5	4	-	-	-	37	-
	5A	5	-	-	42	-	-
	5B	5A	-	-	16	-	-
	5C	5B	-	-	31	-	-
	6	5	-	-	-	330	-
	6A	6	19	-	-	-	-
	7	6	-	50	-	-	-
	7A	7	36	-	-	-	-
	7B	7A	35	-	-	-	-
	7C	7B	31	-	-	-	-
	8	7	317	-	-	-	-
	8A	8	-	-	18	-	-
	8B	8	-	-	56	-	-
	8C	8B	-	-	32	-	-
	8D	8C	-	-	27	-	-
	9	8	-	-	38	-	-
	10	9	-	-	261	-	-
	10A	10	-	-	35	-	-
	11	10	-	-	105	-	-
	11A	11	-	-	41	-	-
	PROJECT TOTAL		438	50	883	1052	

TOPSOIL, SALVAGED TOPSOIL, FERTILIZER, AND SEEDING

CATEGORY	STATION - STATION	625.0500 SALVAGED TOPSOIL SY	625.0200 MULCHING SY	629.0205 FERTILIZER TYPE A CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL
0010	ENTIRE PROJECT	3280	410	2	90	90	80
	UNDISTRIBUTED QTY	820	110	1	30	30	20
	PROJECT TOTALS	**4100**	**520**	**3**	**120**	**120**	**100**

PERMANENT SIGNING

CATEGORY	SIGN NO.	LT/RT	SIGN CODE	SIGN MESSAGE	SIZE W" X H"	637.2210 SIGNS TYPE II REFLECTIVE H (SF)	634.0812 POSTS TUBULAR STEEL 2X2-INCH 12-FT (EACH)
0010	01-01	RT	M1-94	PRENTIVE AVE	VARIESx15"	2.50	1
	01-02	RT	M1-94	11TH ST E	VARIESx15"	1.87	-
	01-03	RT	R1-1	STOP SIGN	30"x30"	5.18	-
	01-04	LT	R1-1	STOP SIGN	30"x30"	5.18	1
	01-05	LT	R1-1	STOP SIGN	30"x30"	5.18	1
	01-06	RT	M1-94	PRENTIVE AVE	VARIESx15"	2.50	1
	01-07	RT	M1-94	10TH ST E	VARIESx15"	1.87	-
	01-08	RT	R1-1	STOP SIGN	30"x30"	5.18	-
	01-09	LT	R1-1	STOP SIGN	30"x30"	5.18	1
	01-10	RT	M1-94	PRENTIVE AVE	VARIESx15"	2.50	1
	01-11	RT	M1-94	9TH ST E	VARIESx15"	1.87	-
	01-12	RT	R1-1	STOP SIGN	30"x30"	5.18	-
	02-01	LT	R1-1	STOP SIGN	30"x30"	5.18	1
	02-02	RT	M1-94	PRENTIVE AVE	VARIESx15"	2.50	1
	02-03	RT	M1-94	8TH ST E	VARIESx15"	1.87	-
	02-04	RT	R1-1	STOP SIGN	30"x30"	5.18	-
	02-05	LT	R1-1	STOP SIGN	30"x30"	5.18	1
	02-06	RT	M1-94	PRENTIVE AVE	VARIESx15"	2.50	1
	02-07	RT	M1-94	7TH ST E	VARIESx15"	1.87	-
	02-08	RT	R1-1	STOP SIGN	30"x30"	5.18	-
	02-09	LT	R7-8A	RESERVED PARKING HANDICAP	12"x18"	1.50	1
	02-10	LT	R7-1R	NO PARKING ANYTIME	18"24"	3.00	-
	02-11	LT	R7-1L	NO PARKING ANYTIME	18"x24"	3.00	1
	02-12	RT	M1-94	PRENTIVE AVE	VARIESx15"	2.50	1
	02-13	RT	M1-94	6TH ST E	VARIESx15"	1.87	-
	02-14	RT	R1-1	STOP SIGN	30"x30"	5.18	-
				PROJECT TOTALS		**90.70**	**13.00**

EROSION CONTROL

CATEGORY	STATION	LT/RT	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7560 TRACKING PADS EACH	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATONS EMERGENCY EROSION CONTROL EACH	REMARKS
0010	PROJET LENGTH		-	-	2860	39	1	27	2	8	4	-
	UNDISTRIBUTED		100	100	570	8	1	6	-	-	-	-
	PROJECT TOTAL		**100**	**100**	**3430**	**47**	**2**	**33**	**2**	**8**	**4**	

CONCRETE COLLAR

CATEGORY	STATION	LOCATION	520.8000 CONCRETE COLLAR EACH	REMARKS
0010	118+60	LT	1	CONNECT TO EXISTING
	PROJECT TOTALS		1	

3

STORM SEWER STRUCTURES

CATEGORY	STRUCTURE NUMBER	**STATION	**OFFSET	611.0530 MANHOLE COVERS TYPE J EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.1004 CATCH BASINS 4-FT DIAMETER EACH	611.1230 CATCH BASINS 2X3-FT EACH	611.2003 MANHOLES 3-FT DIAMETER EACH	611.2 MANHOLES 4-FT DIAMETER EACH	611.39 INLETS MEDIAN 1 GRATE EACH	611.8120.S COVER PLATES TEMPORARY EACH	RIM ELEVATION FT	INVERT ELEVATION FT	***DEPTH FT	COMMENTS
0010	1	118+59	18.00' LT	-	-	1	-	1	-	-	-	-	1	679.18	673.85	7.33	-
	1A	118+58	17.00' RT	-	1	-	-	-	1	-	-	-	1	679.22	674.03	7.19	-
	2	115+47	22.62' LT	1	-	-	-	-	-	-	1	-	1	681.01	675.38	5.63	-
	2A	115+13	35.19' LT	-	-	1	-	-	1	-	-	-	1	680.80	675.71	7.09	-
	2B	115+47	22.62' LT	-	-	1	-	1	-	-	-	-	1	680.73	675.20	7.53	-
	3	114+91	18.00' LT	-	1	-	-	1	-	-	-	-	1	681.10	675.50	7.60	-
	3A	114+91	17.00' RT	-	1	-	-	1	-	-	-	-	1	681.12	675.95	7.17	-
	3B	115+13	36.09' RT	-	-	1	-	1	-	-	-	-	1	680.67	676.10	6.57	-
	3C	115+43	36.21' RT	-	-	1	-	-	1	-	-	-	1	680.66	676.26	6.40	-
	4	111+77	18.50' LT	1	-	-	-	-	-	-	1	-	1	682.04	677.10	4.94	-
	4A	111+77	35.48' LT	-	-	1	-	-	1	-	-	-	1	681.72	677.44	6.28	-
	4B	111+47	35.07' LT	-	-	1	-	-	1	-	-	-	1	681.71	677.59	6.12	-
	5	111+40	20.22' LT	-	1	-	-	1	-	-	-	-	1	682.00	677.30	6.70	-
	5A	111+42	21.00' RT	-	1	-	-	1	-	-	-	-	1	682.02	677.80	6.22	-
	5B	111+46	36.10' RT	-	-	1	-	1	-	-	-	-	1	681.85	677.88	5.97	-
	5C	111+77	36.50' RT	-	-	1	-	-	1	-	-	-	1	681.84	678.04	5.80	-
	6	108+10	18.51' LT	1	-	-	-	-	-	-	1	-	1	683.31	679.00	4.31	-
	6A	108+10	36.98' LT	-	-	1	-	-	1	-	-	-	1	683.05	679.35	5.70	-
	7	107+61	18.00' LT	-	-	1	-	1	-	-	-	-	1	682.77	679.28	5.49	-
	7A	107+65	17.00' RT	-	1	-	-	1	-	-	-	-	1	682.83	679.72	5.11	-
	7B	107+80	36.21' RT	-	-	1	-	1	-	-	-	-	1	682.71	679.85	4.86	-
	7C	108+11	37.14' RT	-	-	1	-	-	1	-	-	-	1	682.71	680.00	4.71	-
	8	104+44	19.18' LT	1	-	-	-	-	-	1	-	-	1	686.20	681.16	5.04	-
	8A	104+45	36.70' LT	-	1	-	-	-	1	-	-	-	1	686.38	681.25	7.13	-
	8B	104+45	36.20' RT	-	-	1	-	-	1	-	-	-	1	685.72	681.45	6.27	-
	8C	104+14	36.00' RT	-	-	1	-	1	-	-	-	-	1	685.72	681.62	6.10	-
	8D	103+91	23.52' RT	-	-	-	1	-	-	-	-	1	1	686.04	681.75	6.29	-
	9	104+07	19.94' LT	-	-	1	-	1	-	-	-	-	1	686.16	681.35	6.81	-
	10	101+46	18.12' LT	-	-	1	-	-	1	-	-	-	1	687.20	682.70	6.50	-
	10A	101+46	17.06' RT	-	-	1	-	-	1	-	-	-	1	687.22	682.88	6.34	-
	11	100+41	21.82' LT	-	-	1	-	1	-	-	-	-	1	687.88	683.24	6.64	-
	11A	100+40	17.67' RT	-	-	1	-	1	-	-	-	-	1	687.92	683.45	6.47	-
	PROJECT TOTALS			**4**	**7**	**20**	**1**	**15**	**12**	**1**	**3**	**1**	**32**				

*STATION & OFFSET TO CENTER OF STRUCTURE UNLESS OTHERWISE NOTED IN THE PLANS

**DEPTH = RIM ELEV - INVERT ELEV - COVER HT - 6 INCH ADJ RING HT; INLETS MEDIAN DEPTH = RIM ELEV - INVERT ELEV

3

REMOVING SIGNS

CATEGORY	SIGN #	SIGN MESSAGE	LOCATION	638.2602 REMOVING SIGNS TYPE II (EACH)	638.3000 REMOVING SMALL SIGN SUPPORTS (EACH)	REMARKS
0010	R01-01	PRENTICE AVE	PRENTICE AVE	1	1	-
	R01-02	11TH ST E	PRENTICE AVE	1	-	-
	R01-03	STOP SIGN	PRENTICE AVE	1	-	-
	R01-04	STOP SIGN	PRENTICE AVE	1	1	-
	R01-05	STOP SIGN	10TH ST E	1	1	-
	R01-06	PRENTICE AVE	10TH ST E	1	1	-
	R01-07	10TH ST E	10TH ST E	1	-	-
	R01-08	STOP SIGN	10TH ST E	1	-	-
	R01-09	STOP SIGN	9TH ST E	1	1	-
	R01-10	PRENTICE AVE	9TH ST E	1	1	-
	R01-11	9TH ST E	9TH ST E	1	-	-
	R01-12	STOP SIGN	9TH ST E	1	-	-
	R02-01	STOP SIGN	8TH ST E	1	1	-
	R02-02	PRENTICE AVE	8TH ST E	1	1	-
	R02-03	8TH ST E	8TH ST E	1	-	-
	R02-04	STOP SIGN	8TH ST E	1	-	-
	R02-05	STOP SIGN	7TH ST E	1	1	-
	R02-06	PRENTICE AVE	7TH ST E	1	1	-
	R02-07	7TH ST E	7TH ST E	1	-	-
	R02-08	STOP SIGN	7TH ST E	1	-	-
	R02-09	RESERVED PARKING HANDICAP	PRENTICE AVE	1	1	-
	R02-10	NO PARKING ANY TIME	PRENTICE AVE	1	-	-
	R02-11	NO PARKING ANY TIME	PRENTICE AVE	1	1	-
	R02-12	PRENTICE AVE	PRENTICE AVE	1	1	-
	R02-13	6TH ST E	PRENTICE AVE	1	-	-
	R02-14	STOP SIGN	PRENTICE AVE	1	-	-
			PROJECT TOTALS	**24**	**13**	

SAWING

CATEGORY	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
0010	BEGIN PROJECT	ML	22	-	-
	11TH ST WEST	LT	32	4	-
	11TH ST EAST	RT	32	4	-
	10TH ST WEST	LT	29	4	-
	10TH ST EAST	RT	29	4	-
	9TH ST WEST	LT	29	4	-
	9TH ST EAST	RT	29	4	-
	8TH ST WEST	LT	29	4	-
	8TH ST EAST	RT	29	4	-
	7TH ST WEST	LT	29	4	-
	7TH ST EAST	RT	29	4	-
	END PROJECT	ML	79	4	-
	SIDEWALK & DRIVEWAYS	LT&RT	-	566	-
	PROJECT TOTALS		397	610	

STAKING ITEMS

CATEGORY	STATION	LOCATION	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER and CURB & GUTTER LF	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH	650.9500 CONSTRUCTION STAKING SIDEWALK EACH	650.9911 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL EACH	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
0010	ENTIRE PROJET	LT&RT	26	1872	1872	3953	32	1	1	1872
	PROJECT TOTALS		26	1872	1872	3953	32	1	1	1872

TRAFFIC CONTROL

CATEGORY	LOCATION	APPROX. SERVICE PERIOD	643.0410 TRAFFIC CONTROL BARRICADES TYPE II		643.0420 TRAFFIC CONTROL BARRICADES TYPE III		643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A		643.0900 TRAFFIC CONTROL SIGNS		643.1050 TRAFFIC CONTROL SIGNS PCMS		644.1601 TEMPORARY PEDESTRIAN CURB RAMPS		NOTES
		DAYS	QTY	DAYS	QTY.	DAYS	QTY.	DAYS	QTY.	DAYS	QTY.	DAYS	QTY.	DAYS	
0010	PRE-WARNING	7	0	0	0	0	0	0	0	0	2	14	0	0	PRE-WARN PRIOR TO CONSTRUCTION START
	ENTIRE PROJECT	100	10	1000	32	3200	64	6400	49	4900	0	0	4	400	
				1000		3200		6400		4900		14		400	
	PROJECT TOTALS			1000		3200		6400		4900		14		400	

3

EXPLORATORY EXCAVATION, IF REQUIRED*

CATEGORY	STATION	LOCATION	SPV.0060.01 EACH
0020	100+00 - 119+00	LT&RT	3
	PROJECT TOTAL		3

*LOCATIONS TO BE DETERMINED IN THE FIELD WHERE REQUIRED TO INVESTIGATE UNDERGROUND ITEMS

REMOVE WATER MAIN ITEMS

CATEGORY	STATION	LOCATION	SPV.0060.02 REMOVE EXISTING HYDRANT AND LEAD EACH	SPV.0090.03 REMOVE WATER MAIN LF
0020	100+20	RT	-	20
	100+65	LT & RT	-	20
	100+86	RT	1	-
	104+00 - 108+40	RT	-	440
	108+26	RT	1	-
	111+70	LT	-	20
	111+91	RT	1	-
	115+35	LT	-	20
	115+47	RT	1	-
	118+65	RT	-	10
	PROJECT TOTALS		4	530

ABANDON WATER SERVICE

CATEGORY	STATION	LOCATION	SPV.0060.03 EACH
0020	101+30	LT	1
	105+32	RT	1
	PROJECT TOTAL		2

CONNECT TO EXISTING WATER MAIN

CATEGORY	STATION	LOCATION	SPV.0060.04 EACH
0030	100+17	7' RT	1
	100+66.5	40.5' RT	1
	100+69	39' LT	1
	111+67	62.7' LT	1
	115+36	64.6' LT	1
	118+64.59	R/L	1
	PROJECT TOTAL		6

LOWER WATER MAIN, IF REQUIRED*

CATEGORY	STATION	LOCATION	SPV.0060.05 EACH
0020	111+54	20' LT	1
	115+20	20' LT	1
	PROJECT TOTAL		2

*PEFORM LOWERING OF WATER MAIN ONLY IF VERTICAL DEFLECTION CANNOT AVOID CONFLICT. VERTICAL DEFLECTION AND BURY DEPTH GREATER THAN 7' DOES NOT CONSTITUTE LOWERING WATER MAIN.

GATE VALVE AND BOX

CATEGORY	STATION	LOCATION	SPV.0060.06 6-INCH EACH	SPV.0060.07 8-INCH EACH
0020	100+17	7' RT	-	1
	100+27	25' RT	1	-
	100+63	7' RT	-	1
	100+66.5	40.5' RT	-	1
	103+99	33' LT	1	-
	104+02	7' RT	-	1
	108+30	25' RT	1	-
	108+35	7' RT	-	1
	111+40	45' LT	1	-
	111+53.5	7' RT	-	1
	111+67	62.7' LT	-	1
	115+02.5	44.5' LT	1	-
	115+20	7' RT	-	1
	115+36	64.6' LT	-	1
	118+64.59	R/L	-	1
	PROJECT TOTALS		5	10

HYDRANT 7.5-FT BURY DEPTH

CATEGORY	STATION	LOCATION	SPV.0060.08 EACH
0020	100+27	25' RT	1
	103+99	33' LT	1
	108+30	25' RT	1
	111+40	45' LT	1
	115+02.5	44.5' LT	1
	PROJECT TOTAL		5

INSULATION BOARD

CATEGORY	STATION	LOCATION	612.0902.S INSULATION BOARD SY
0020	100+40	7' RT	7.1
	100+62	21' LT	7.1
	101+28	18' LT	7.1
	101+32	18' LT	7.1
	101+56	7' RT	7.1
	101+84	18' LT	7.1
	103+13	18' LT	7.1
	103+99	18' LT	7.1
	104+45	18' LT	7.1
	104+57	18' LT	7.1
	105+09	18' LT	7.1
	105+83	18' LT	7.1
	106+26	18' LT	7.1
	106+49	18' LT	7.1
	107+24	18' LT	7.1
	107+65	7' RT	7.1
	109+00	18' LT	7.1
	109+02	18' LT	7.1
	109+61	18' LT	7.1
	110+46	18' LT	7.1
	111+40	7' RT	7.1
	111+53	19' LT	7.1
	112+14	18' LT	7.1
	112+16	18' LT	7.1
	112+41	18' LT	7.1
	113+04	18' LT	7.1
	113+58	18' LT	7.1
	114+30	18' LT	7.1
	114+77	18' LT	7.1
	114+85	7' RT	7.1
	115+21	20' LT	7.1
	116+28	21' LT	7.1
	116+36	21' LT	7.1
	116+79	20' LT	7.1
	117+30	19 'LT	7.1
	117+77	19' LT	7.1
	118+07	18' LT	7.1
	118+61	1' RT	7.1
	UNDISTRIBUTED	N/A	15.2
	PROJECT TOTALS		285.0

3

3

WATER SERVICE ITEMS

CATEGORY	HOUSE NUMBER	STATION	LOCATION	SPV.0060.09 CONNECT TO EXISTING WATER SERVICE EACH	SPV.0060.10 CORPORATION STOP 1-INCH EACH	SPV.0060.11 CURB STOP AND BOX 1-INCH EACH	SPV.0090.02 WATER SERVICE PIPE 1-INCH LF
0020	1023	101+28	32' LT	1	1	1	39
	1023	101+32	32' LT	1	1	1	39
	1015	101+84	32' LT	1	1	1	39
	1012	102+16	33' RT	1	1	1	26
	1008	102+67	33' RT	1	1	1	26
	1005	103+13	32' LT	1	1	1	40
10TH ST E	1001	103+65	24' RT	1	1	1	19
	921	104+57	32' LT	1	1	1	51
	922	104+64	22' RT	1	1	1	22
	919	105+09	33' LT	1	1	1	40
	918	105+39	26' RT	1	1	1	20
	915	105+83	22' LT	1	1	1	40
	912	106+00	33' RT	1	1	1	26
	911	106+26	33' LT	1	1	1	40
	908	106+33	33' RT	1	1	1	26
	907	106+49	33' LT	1	1	1	34
	904	106+89	33' RT	1	1	1	26
	901	107+24	23' LT	1	1	1	32
9TH ST E	900	107+48	33' RT	1	1	1	26
	405	108+52	33' RT	1	1	1	26
	818	108+87	32' RT	1	1	-	26
	819	109+00	33' LT	1	1	1	40
	817	109+02	33' LT	1	1	1	40
	816	109+24	33' RT	1	1	1	26
	814	109+26	33' RT	1	1	1	26
	811	109+61	24' LT	1	1	1	32
	810	110+00	33' RT	1	1	1	27
	806	110+15	33' RT	1	1	1	27
	805	110+46	33' LT	1	1	1	32
	804	110+60	25' RT	1	1	1	20
8TH ST E	800	111+10	25' RT	1	1	1	19
	723	112+14	33' LT	1	1	1	40
	721	112+16	33' LT	1	1	1	40
	409	112+16	33' RT	1	1	1	20
	720	112+18	33' RT	1	1	1	20
	719	112+41	33' LT	1	1	1	40
	715	113+04	33' LT	1	1	1	34
	712	113+20	32' RT	1	1	1	26
	709	113+58	33' LT	1	1	1	40
	710	113+65	32' RT	1	1	1	26
	706	114+24	32' RT	1	1	1	26
	705	114+30	33' LT	1	1	1	40
	701	114+77	33' LT	1	1	1	40
7TH ST E	700	114+78	32' RT	1	1	1	20

WATER SERVICE ITEMS (CONT'D)

CATEGORY	HOUSE NUMBER	STATION	LOCATION	SPV.0060.09 CONNECT TO EXISTING WATER SERVICE EACH	SPV.0060.10 CORPORATION STOP 1-INCH EACH	SPV.0060.11 CURB STOP AND BOX 1-INCH EACH	SPV.0090.02 WATER SERVICE PIPE 1-INCH LF
	622	115+82	32' RT	1	1	1	26
	620	116+27	32' RT	1	1	1	25
	619	116+28	34' LT	1	1	1	41
	618	116+34	32' RT	1	1	1	25
	617	116+36	24' LT	1	1	1	33
	615	116+79	24' LT	1	1	1	33
	610	116+82	32' RT	1	1	-	26
	611	117+30	33' LT	1	1	1	41
	608	117+62	33' RT	1	1	-	18
	607	117+77	33' LT	1	1	1	39
	606	117+92	34' RT	1	1	-	31
	605	118+07	33' LT	1	1	1	28
	604	118+11	33' RT	1	1	1	30
	PROJECT TOTALS			**57**	**57**	**53**	**1760**

WATER MAIN ITEMS

CATEGORY	STATION	SPV.0090.04 WATER MAIN C900 6-INCH LF	SPV.0090.05 WATER MAIN C900 8-INCH LF	SPV.0085.01 WATER MAIN FITTINGS LB	SPV.0060.12 ADJUST EXISTING WATER VALVE BOX EACH
0020	100+00 - 103+80	18	438	451	1
	103+80 - 109+80	58	600	144	-
	109+80 - 115+80	31	764	606	-
	115-+80 - 119+00	-	290	31	-
	PROJECT TOTALS	**107**	**2092**	**1232**	**1**

MAINTAIN WATER SERVICE DURING CONSTRUCTION

CATEGORY	STATION	LOCATION	SPV.0060.13 MAINTAIN WATER SERVICE DURING CONSTRUCTION EACH
0020	100+00 - 119+00	LT&RT	1
	PROJECT TOTAL		**1**

PROJECT SIGN

CATEGORY	STATION	LOCATION	SPV.0060.14 PROJECT SIGN EACH
0020	118+75*	40' LT*	1
	PROJECT TOTAL		**1**

*EXACT LOCATION TO BE DETERMINED AT TIME OF CONSTRUCTION

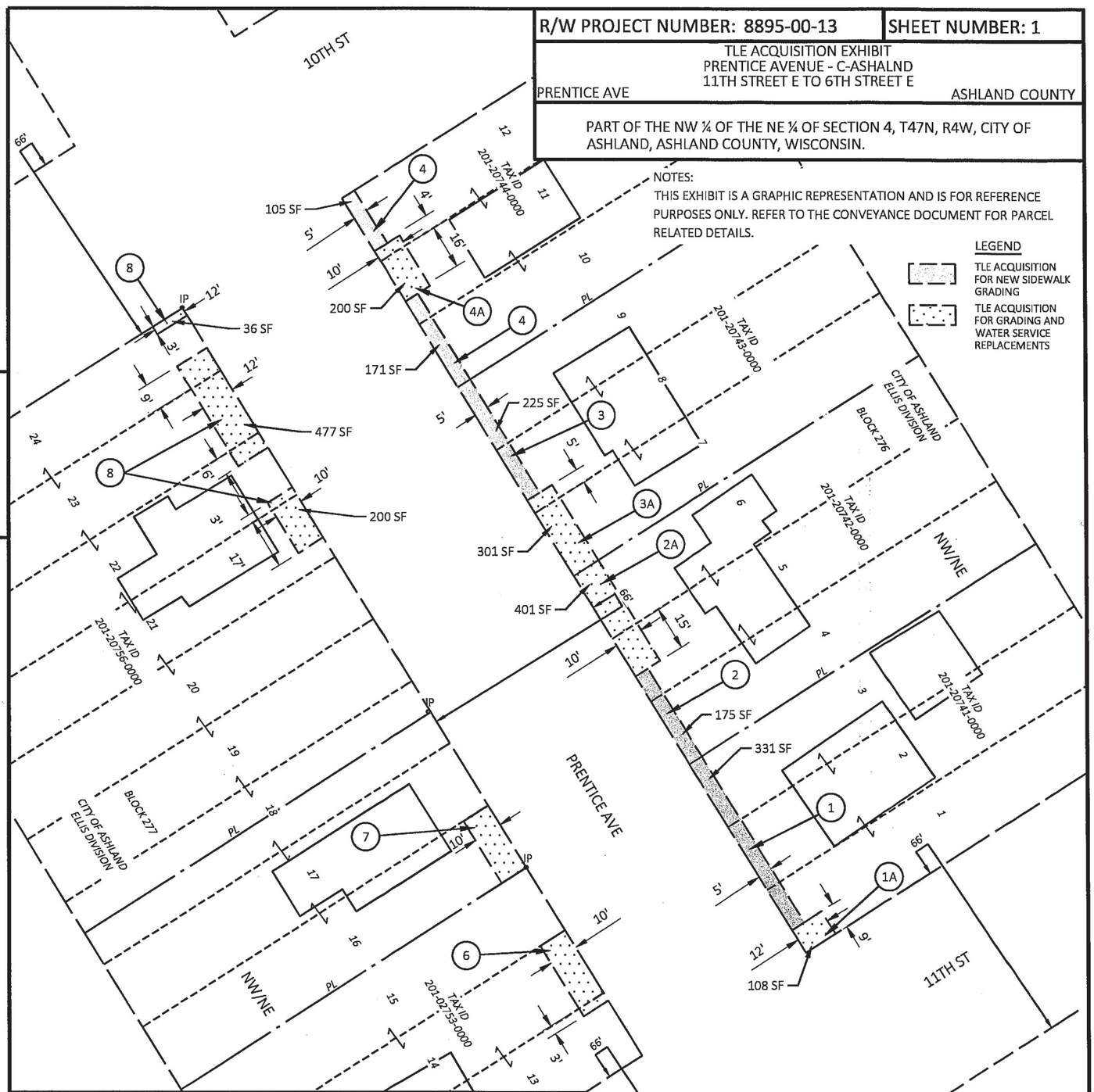
4

R/W PROJECT NUMBER: 8895-00-13	SHEET NUMBER: 1

TLE ACQUISITION EXHIBIT
PRENTICE AVENUE - C-ASHALND
11TH STREET E TO 6TH STREET E

PRENTICE AVE — ASHLAND COUNTY

PART OF THE NW ¼ OF THE NE ¼ OF SECTION 4, T47N, R4W, CITY OF ASHLAND, ASHLAND COUNTY, WISCONSIN.



NOTES:
THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS.

LEGEND
- TLE ACQUISITION FOR NEW SIDEWALK GRADING
- TLE ACQUISITION FOR GRADING AND WATER SERVICE REPLACEMENTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
1	JOHN S. RASPOTNIK AND DEBRA S. RASPOTNIK	TLE	331
1A	JOHN S. RASPOTNIK AND DEBRA S. RASPOTNIK	TLE	108
2	DIANE L. GREGOIRE	TLE	175
2A	DIANE L. GREGOIRE	TLE	401
3	TODD M. BENEDICT AND CHRISTINE M. BENEDICT	TLE	225
3A	TODD M. BENEDICT AND CHRISTINE M. BENEDICT	TLE	301
4	MARY E. OSTERBY	TLE	276
4A	MARY E. OSTERBY	TLE	200
6	MANON K. WEBER	TLE	279
7	AUSTIN J. MIKA AND CIARA D. MIKA	TLE	248
8	MICHAEL R. GROOM	TLE	713

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED

THIS MAP IS APPROVED FOR THE CITY OF ASHLAND

SIGNATURE: _____ DATE: 1-10-24

PRINT NAME: JOHN BUTLER

FILE NAME : EXHIBITS.DWG PLOT DATE : 12/19/2023 3:33 PM R/W PROJECT: 8895-00-13-1

4

R/W PROJECT NUMBER: 8895-00-13	SHEET NUMBER: 2

TLE ACQUISITION EXHIBIT
PRENTICE AVENUE - C-ASHALND
11TH STREET E TO 6TH STREET E

PRENTICE AVE — ASHLAND COUNTY

PART OF THE NW ¼ OF THE NE ¼ OF SECTION 4, T47N, R4W, CITY OF ASHLAND, ASHLAND COUNTY, WISCONSIN.

NOTES:
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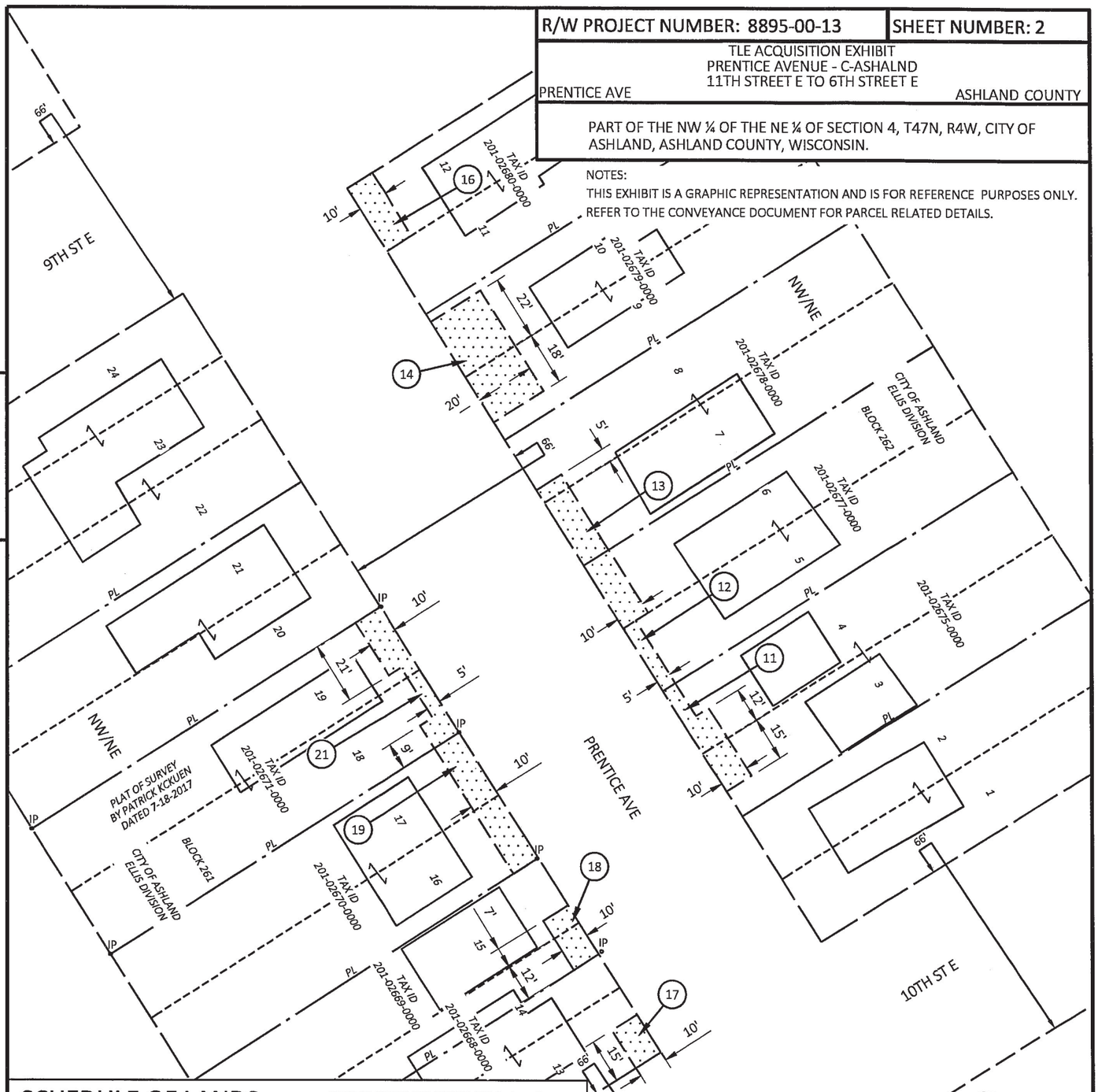
REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS.



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
11	RUSSELL G. JENSEN AND FLORENCE M. JENSEN	TLE	335
12	ANTHONY J. BUDREAU	TLE	375
13	ELIZABETH WHITE	TLE	300
14	NIKKI L. MELLAND	TLE	800
16	PRENTICE HOUSE, INC	TLE	250
17	MICHAEL J. KINNEY AND JACQUELYN M. KINNEY	TLE	150
18	ADAM R. SABIN AND ELIZABETH R. SABIN	TLE	190
19	ROSEANN KOZENESKI	TLE	500
21	ANNA M. STONE	TLE	402

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED

PURPOSE OF ALL TLES IS FOR GRADING AND WATER SERVICE REPLACEMENT.

THIS MAP IS APPROVED FOR THE CITY OF ASHLAND

SIGNATURE: _____ DATE: 1-10-24

PRINT NAME: JOHN BUTLER

FILE NAME : EXHIBITS.DWG PLOT DATE : 12/19/2023 3:33 PM R/W PROJECT: 8895-00-13-2

NOTES:
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R/W PROJECT NUMBER: 8895-00-13	SHEET NUMBER: 3

TLE ACQUISITION EXHIBIT
PRENTICE AVENUE - C-ASHALND
11TH STREET E TO 6TH STREET E

PRENTICE AVE — ASHLAND COUNTY

PART OF THE NW ¼ OF THE NE ¼ OF SECTION 4, T47N, R4W, AND PART OF THE SW ¼ OF THE SE ¼ OF SECTION 33, T48N, R4W, ALL IN THE CITY OF ASHLAND, ASHLAND COUNTY, WISCONSIN.

4

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
24	EILEF A. SJOLANDER	TLE	390
26	NATHAN BEAN AND KAJA BEAN	TLE	190
27	LANDMARK REAL ESTATE MANAGEMENT LLC	TLE	140
28	BJN INVESTMENT LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	70
29	JASON E. ROSS	TLE	255
31	EUGENE R. CICHON AND WENDY L. CICHON	TLE	374
33	CODY J. WESTLUND	TLE	201
34	RACHEL A. VERKINDEREN	TLE	265
36	GERALD P. KARABA SR. AND LORIE A. KARABA	TLE	423
37	RICHARD L. NEFF III AND TRISTA T. BEDNARIK A/K/A TRISTA T. NEFF	TLE	180
39	HELEN GREGOIRE	TLE	398

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED

GN

SCALE, FEET
0 25 50

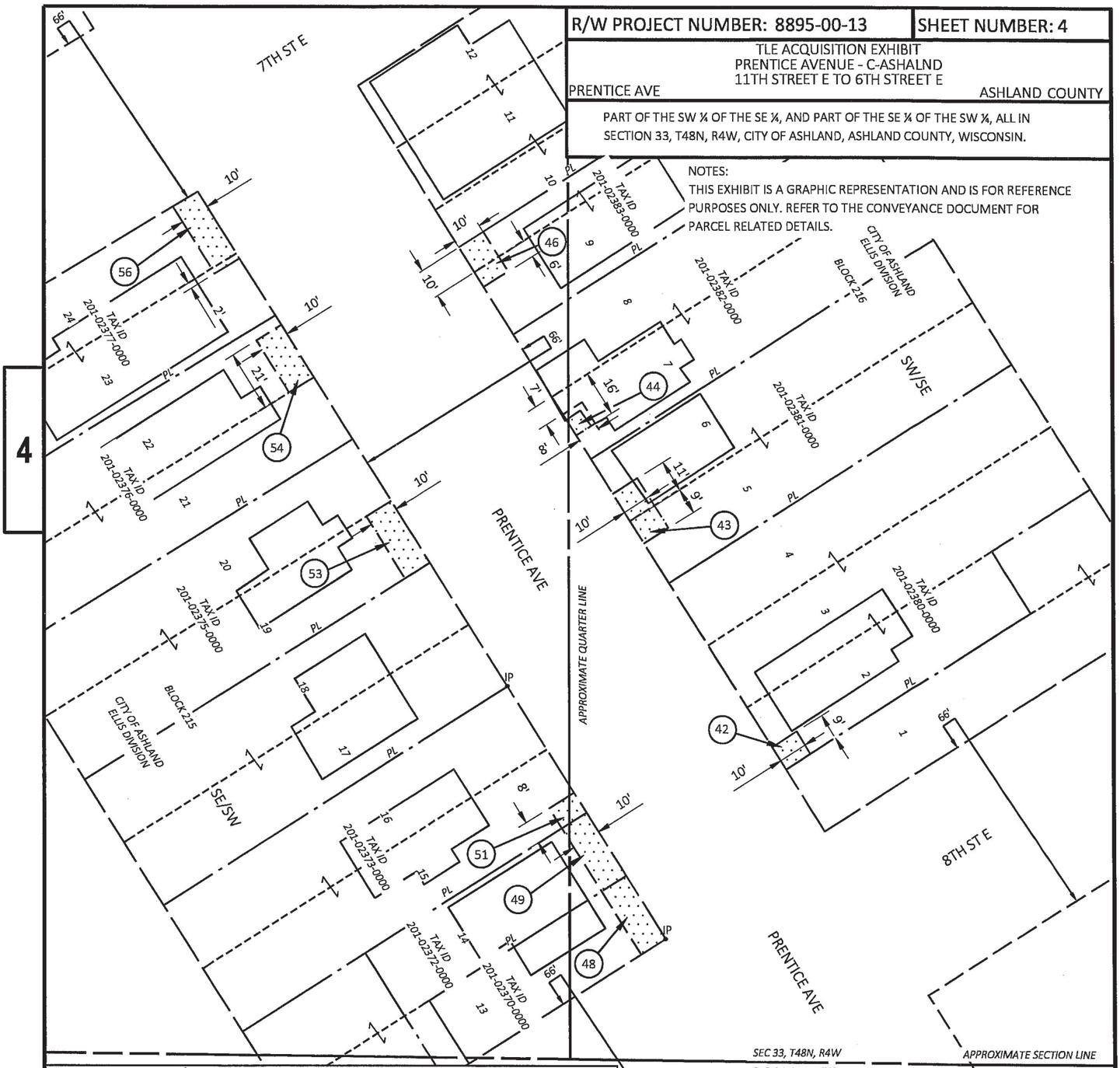
PURPOSE OF ALL TLES IS FOR GRADING AND WATER SERVICE REPLACEMENT.
EXCLUDED FROM THIS EASEMENT IS ANY LAND CURRENTLY OCCUPIED BY BUILDINGS.

THIS MAP IS APPROVED FOR THE CITY OF ASHLAND

SIGNATURE: _____ DATE: 1-10-24

PRINT NAME: JOHN BUTLER

FILE NAME : EXHIBITS.DWG PLOT DATE : 12/19/2023 3:33 PM R/W PROJECT: 8895-00-13-3



4

R/W PROJECT NUMBER: 8895-00-13 | SHEET NUMBER: 4

TLE ACQUISITION EXHIBIT
PRENTICE AVENUE - C-ASHALND
11TH STREET E TO 6TH STREET E

PRENTICE AVE — ASHLAND COUNTY

PART OF THE SW ¼ OF THE SE ¼, AND PART OF THE SE ¼ OF THE SW ¼, ALL IN SECTION 33, T48N, R4W, CITY OF ASHLAND, ASHLAND COUNTY, WISCONSIN.

NOTES:
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SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
42	DAVID J. MESIK AND CATHLEEN R. MESIK	TLE	90
43	BRIAN D. ZIFKO AND JILL R. ZIFKO	TLE	185
44	DAVID W. BUNCH AND CARRIE A. BUNCH	TLE	38
46	DANIEL P. DERIEG AND JENNA DERIEG	TLE	160
48	JAMES R. PAGAC	TLE	255
49	ANDREA A. KASPER	TLE	254
51	BEVERLY J. HALL	TLE	80
53	RICHARD V. RIVERS AND DONNA J. RIVERS	TLE	249
54	SARAH A. AGOSTINE	TLE	210
56	JEAN M. WAHLQUIST	TLE	269

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED

PURPOSE OF ALL TLES IS FOR GRADING AND WATER SERVICE REPLACEMENT.
EXCLUDED FROM THIS EASEMENT IS ANY LAND CURRENTLY OCCUPIED BY BUILDINGS.

THIS MAP IS APPROVED FOR THE CITY OF ASHLAND

SIGNATURE: _____ DATE: 10-24

PRINT NAME: JOHN BUTLER

4

R/W PROJECT NUMBER: 8895-00-13	SHEET NUMBER: 5

TLE ACQUISITION EXHIBIT
PRENTICE AVENUE - C-ASHLAND
11TH STREET E TO 6TH STREET E

PERNTICE AVE — ASHLAND COUNTY

PART OF THE SE ¼ OF THE SW ¼, SECTION 33, T48N, R4W, CITY OF ASHLAND, ASHLAND COUNTY, WISCONSIN.

NOTES:
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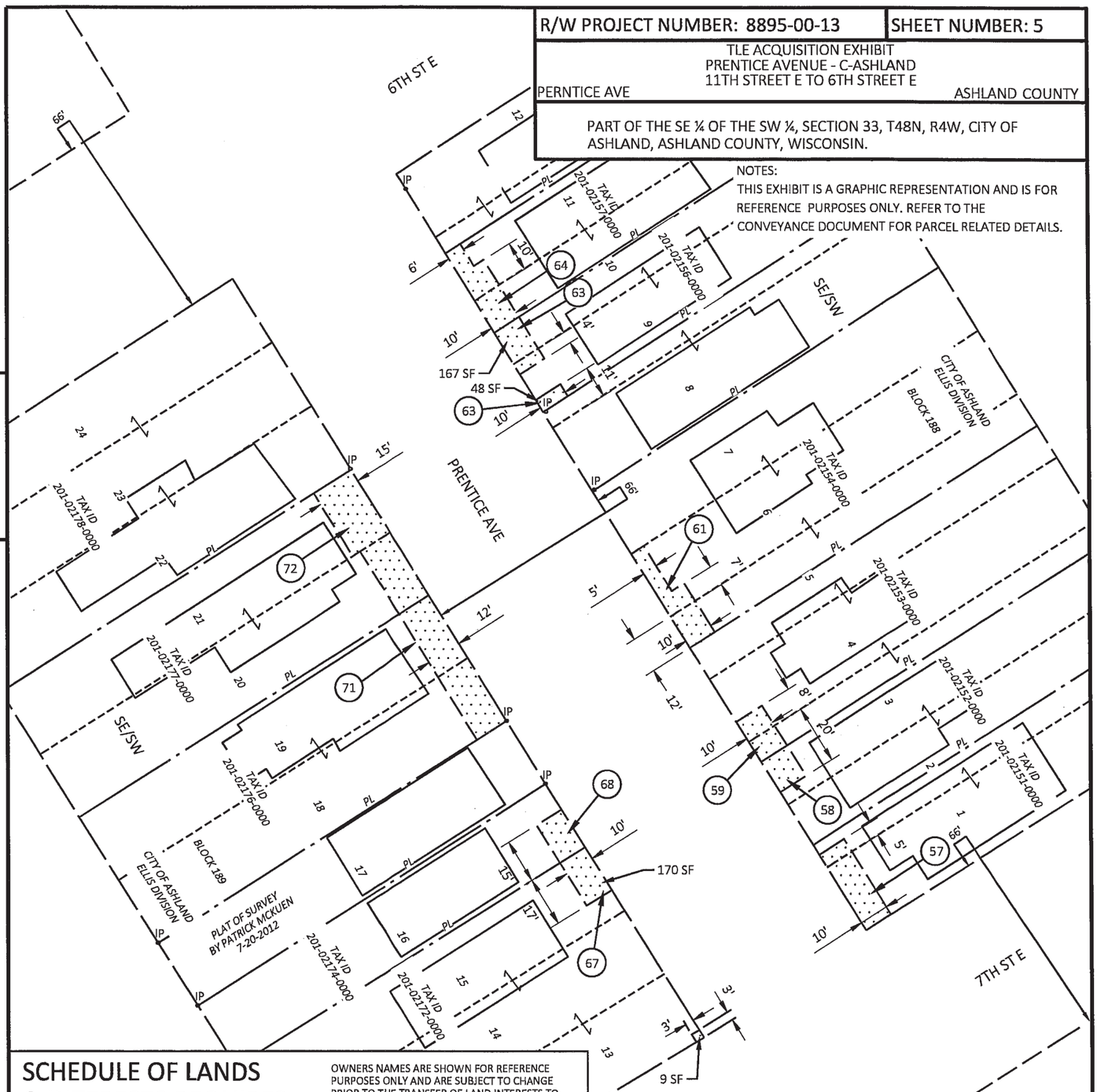


SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
57	HAROLD D. EASTMAN	TLE	299
58	SANDRA J. AGOSTINE	TLE	125
59	READER INVESTMENT LLC	TLE	164
61	DANIELLE E. O'BRIEN AND MATHEW J. JUGENHEIMER	TLE	280
63	BRIAN J. KING AND MARTHA L. KING	TLE	215
64	GARRETT KABASA	TLE	279
67	JAMES J. BYRNES	TLE	179
68	MARY JANE GRANDE	TLE	150
71	TIMOTHY M. DYKSTRA AND LINDSAY A. DYKSTRA	TLE	599
72	BRIAN L. NORDIN	TLE	674

GN

SCALE, FEET
0 25 50

PURPOSE OF ALL TLES IS FOR GRADING AND WATER SERVICE REPLACEMENT.

UTILITY INTERESTS REQUIRED

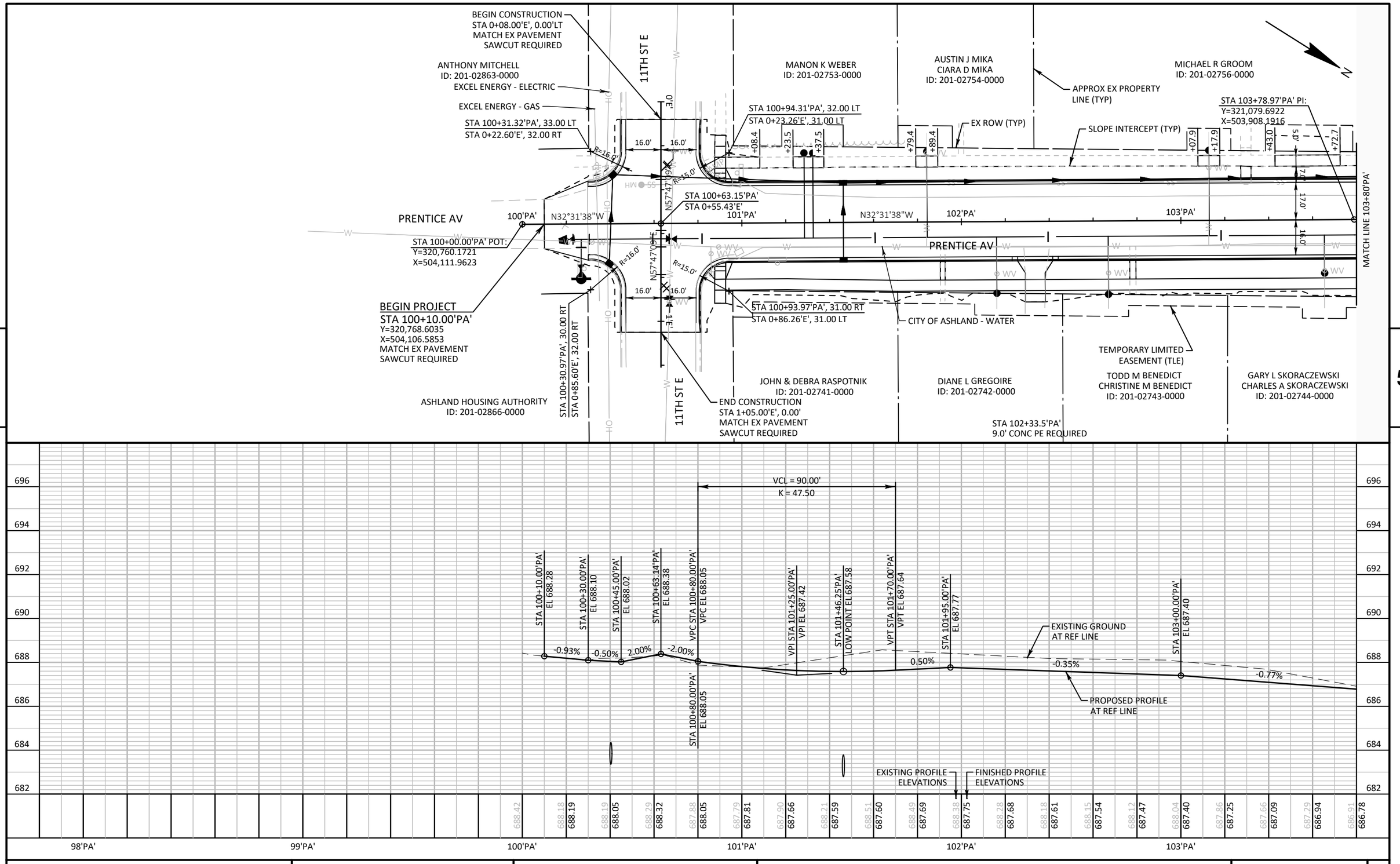
UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED

THIS MAP IS APPROVED FOR THE CITY OF ASHLAND

SIGNATURE: _____ DATE: 1-10-24

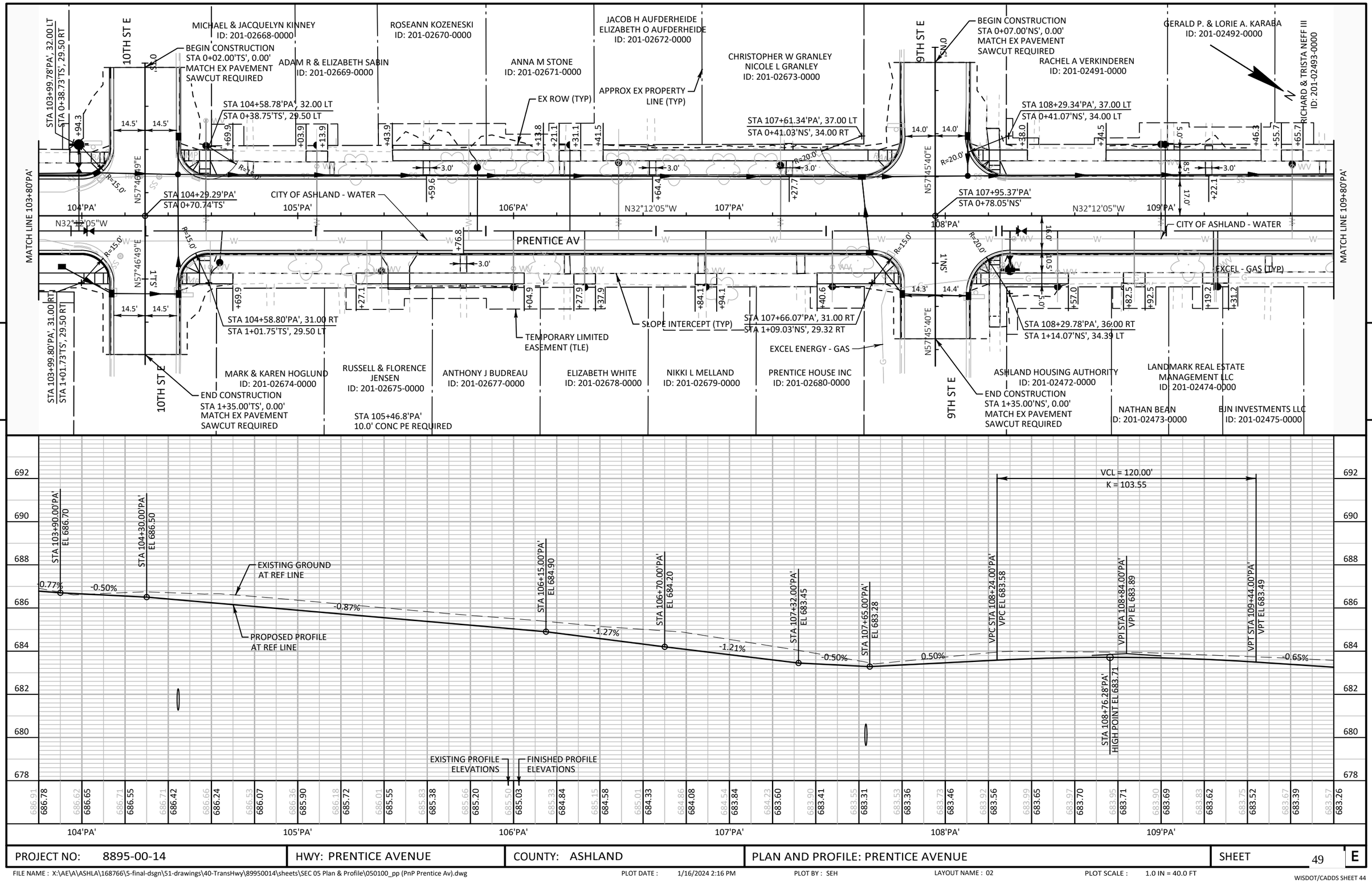
PRINT NAME: JOHN BUTLER

FILE NAME : EXHIBITS.DWG PLOT DATE : 12/19/2023 3:34 PM R/W PROJECT: 8895-00-13-5



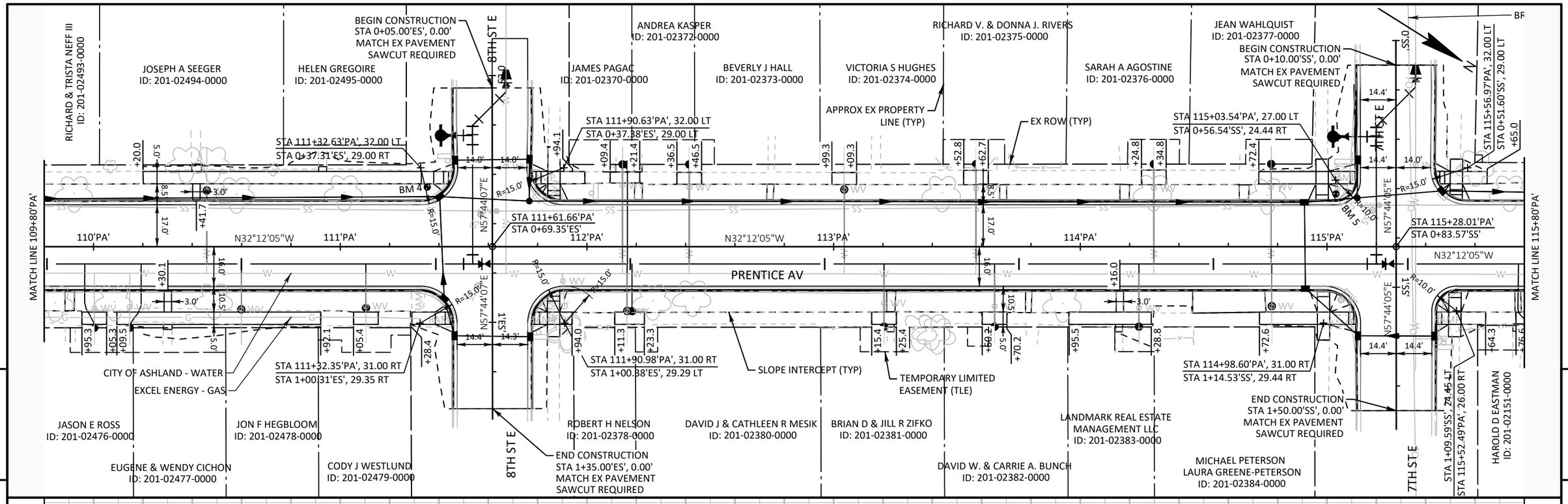
PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	PLAN AND PROFILE: PRENTICE AVENUE	SHEET 48 E

FILE NAME : X:\AE\A\ASHLA\168766\5-final-dsgn\51-drawings\40-TransHwy\89950014\sheets\SEC 05 Plan & Profile\050100_pp (PnP Prentice Av).dwg PLOT DATE : 1/16/2024 2:16 PM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 44

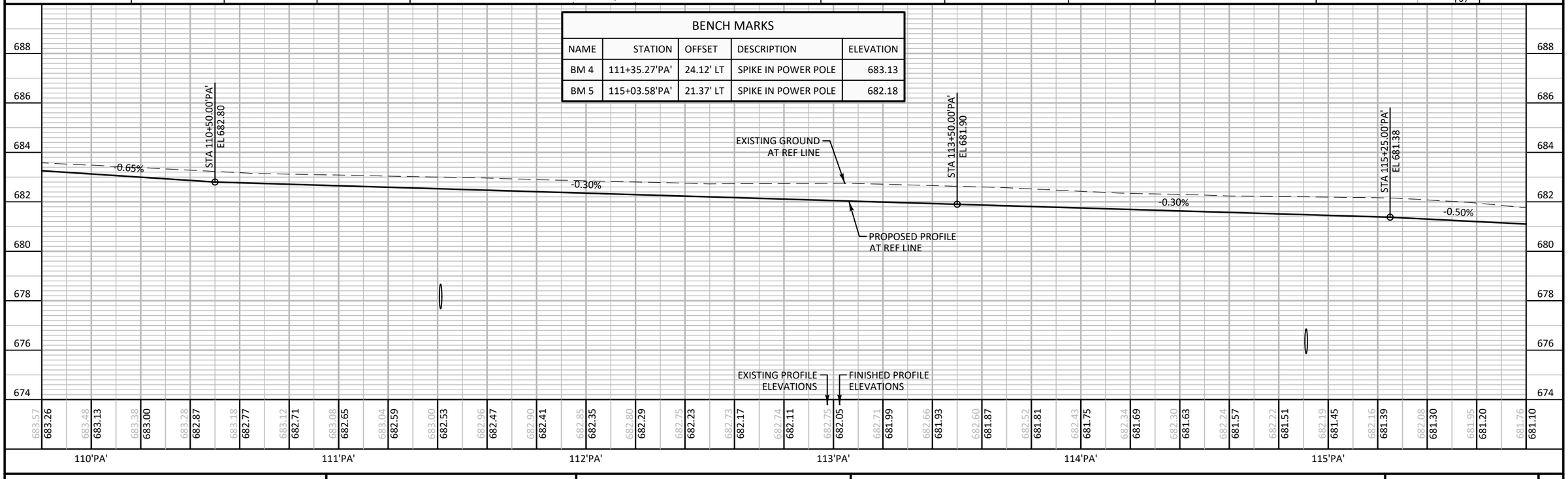


PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	PLAN AND PROFILE: PRENTICE AVENUE	SHEET 49 E

FILE NAME : X:\AE\A\ASHLA\168766\5-final-dsgn\51-drawings\40-TransHwy\89950014\sheets\SEC 05 Plan & Profile\050100_pp (PnP Prentice Av).dwg
PLOT DATE : 1/16/2024 2:16 PM
PLOT BY : SEH
LAYOUT NAME : 02
PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 44



BENCH MARKS				
NAME	STATION	OFFSET	DESCRIPTION	ELEVATION
BM 4	111+35.27'PA'	24.12' LT	SPIKE IN POWER POLE	683.13
BM 5	115+03.58'PA'	21.37' LT	SPIKE IN POWER POLE	682.18



PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	PLAN AND PROFILE: PRENTICE AVENUE	SHEET 50 E

IGHTSPEED - FIBER

MARY JANE GRANDE
ID: 201-02174-0000

BRODRIK A ZAR
ID: 201-02176-0000

JAMES BYRNES
ID: 201-02172-0000

TAMARA A TUPESIS
ID: 201-02175-0000

BRIAN L NORDIN
ID: 201-02177-0000

JOSEPH D O'DONAHUE
BRITTANY K O'DONAHUE
ID: 201-02178-0000

6TH ST E

APPROX EX PROPERTY LINE (TYP)

EX ROW (TYP)

118+64.44'PA'
40.50'LT

118+58.92'PA'
37.00'LT

END PROJECT
STA 118+81.50'PA'
MATCH EXISTING PAVEMENT
SAWCUT REQUIRED

N

MERIT NETWORK - FIBER

MATCH LINE 115+80'PA'

116'PA'

117'PA'

N32°12'05"W

118'PA'

119'PA'

PRENTICE AV

STA 119+00.00'PA' POT:
Y=322,366.7613
X=503,097.6386

+23.4 +33.4 +74.4 +51.9 +67.5

5.0' 8.5' 17.0' 16.0' 10.5' 5.0'

3.0' 3.0' 3.0'

+04.7 +03.7 +99.5

R=20.0' R21.8'

+86.6 +21.5 +39.0 +76.4 +07.3 +56.8 +66.8 +87.1 +97.1 +06.2 +30.7 +52.5

118+57.65'PA'
37.75'RT

118+64.59'PA'
41.50'RT

CITY OF ASHLAND - WATER

TEMPORARY LIMITED EASEMENT (TLE)

SLOPE INTERCEPT (TYP)

SANDRA J AGOSTINE
ID: 201-02152-0000

JENNA J ERICKSON
ID: 201-02154-0000

VICTOR SMITH
ID: 201-02155-0000

GARRETT KABASA
ID: 201-02157-0000

DANIEL W. & NADINE A. MILLER
ID: 201-02000-0000

READER INVESTMENTS LLC
ID: 201-02153-0000

STA 116+82.5'PA'
11.8' CONC PE REQUIRED

LANDMARK REAL ESTATE MANAGEMENT LLC
ID: 201-02156-0000

CHAD R JAEGER
ID: 201-02158-0000

5

5

688 686 684 682 680 678 676 674

STA 117+20.00'PA'
EL 680.40

STA 118+00.00'PA'
EL 680.04

STA 118+81.50'PA'
EL 679.73

EXISTING GROUND AT REF LINE

PROPOSED PROFILE AT REF LINE

-0.50%

-0.45%

-0.38%

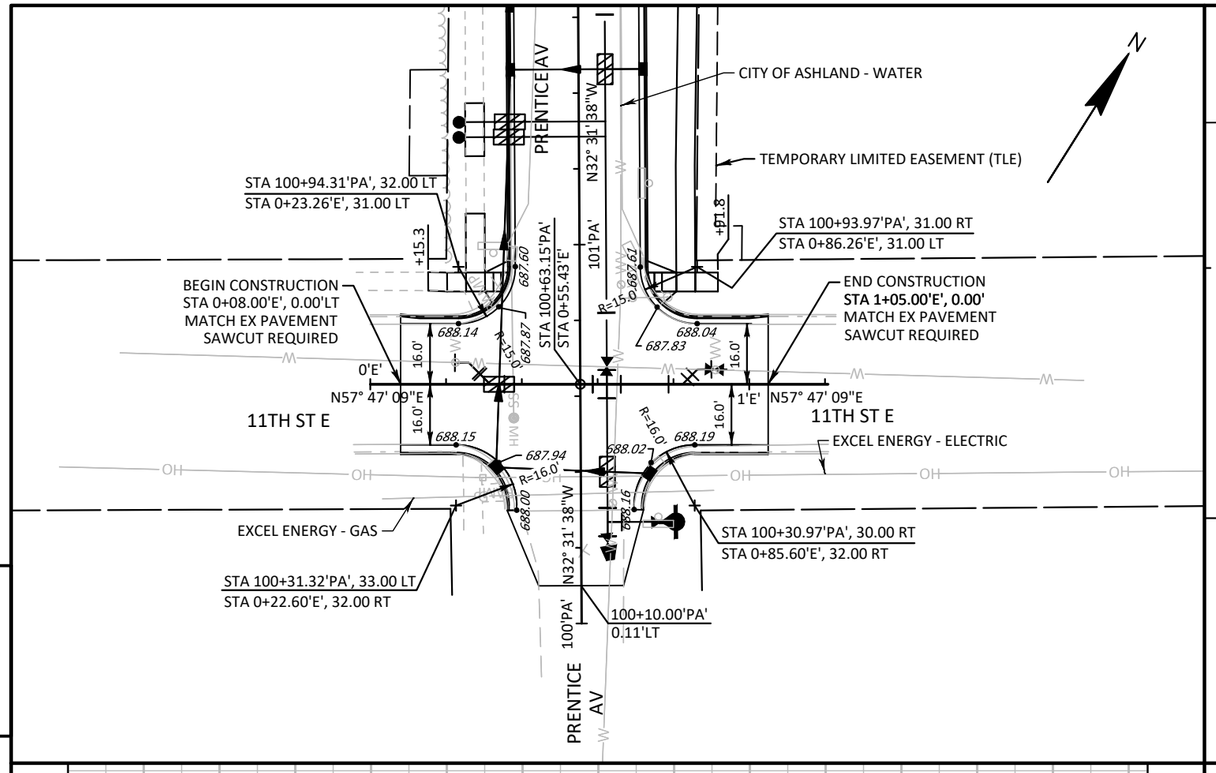
EXISTING PROFILE ELEVATIONS

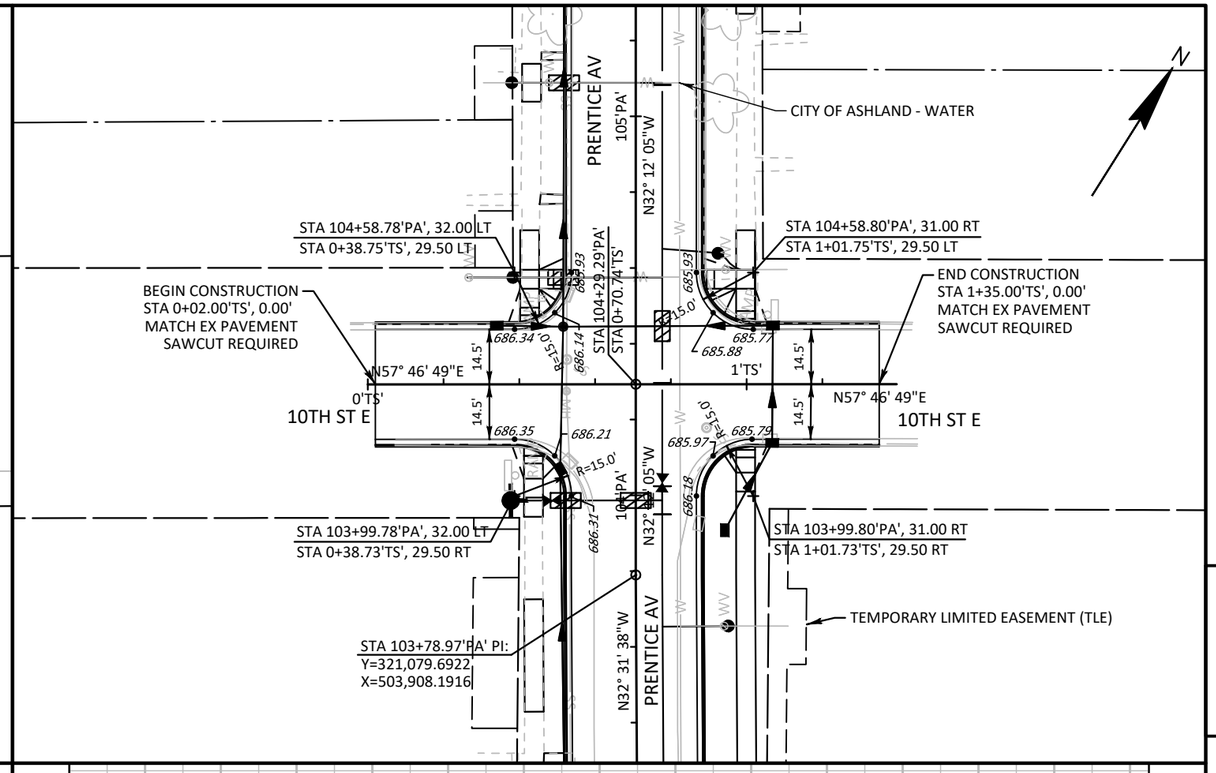
FINISHED PROFILE ELEVATIONS

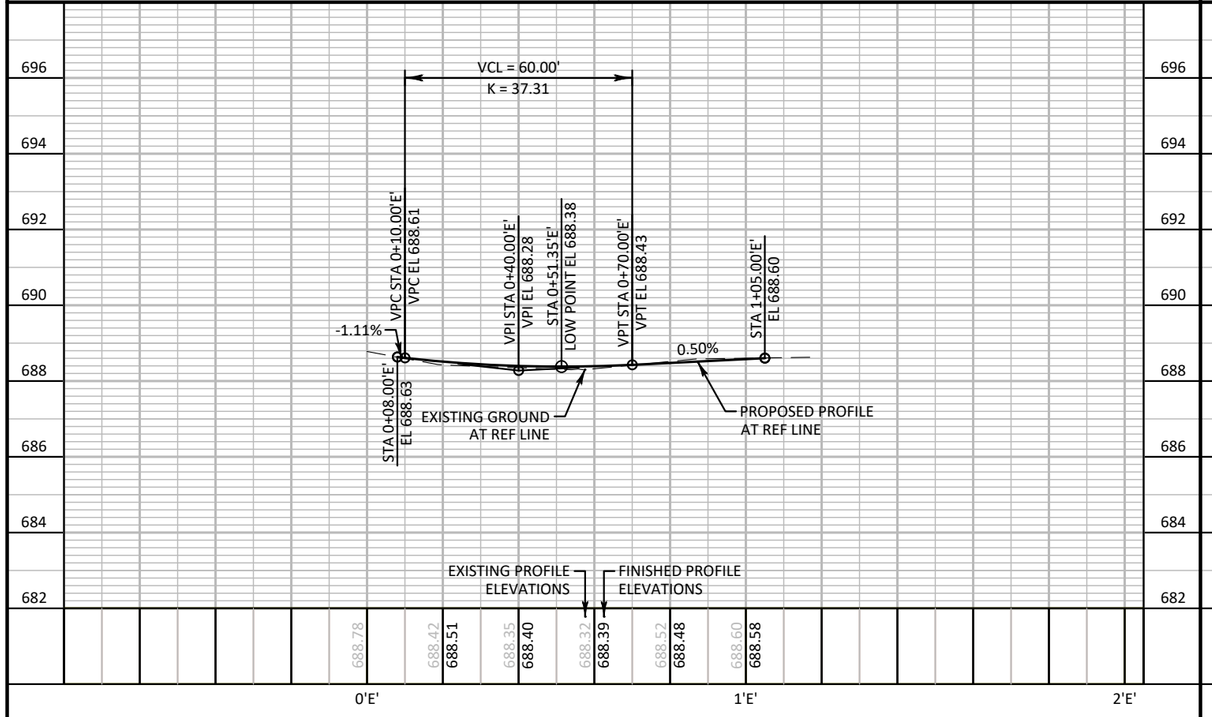
681.76 681.10 681.57 681.00 681.45 680.90 681.33 680.80 681.19 680.70 681.04 680.60 680.88 680.50 680.73 680.40 680.59 680.31 680.41 680.22 680.24 680.13 680.10 680.04 680.04 679.96 679.96 679.89 679.85 679.81 679.74 679.74

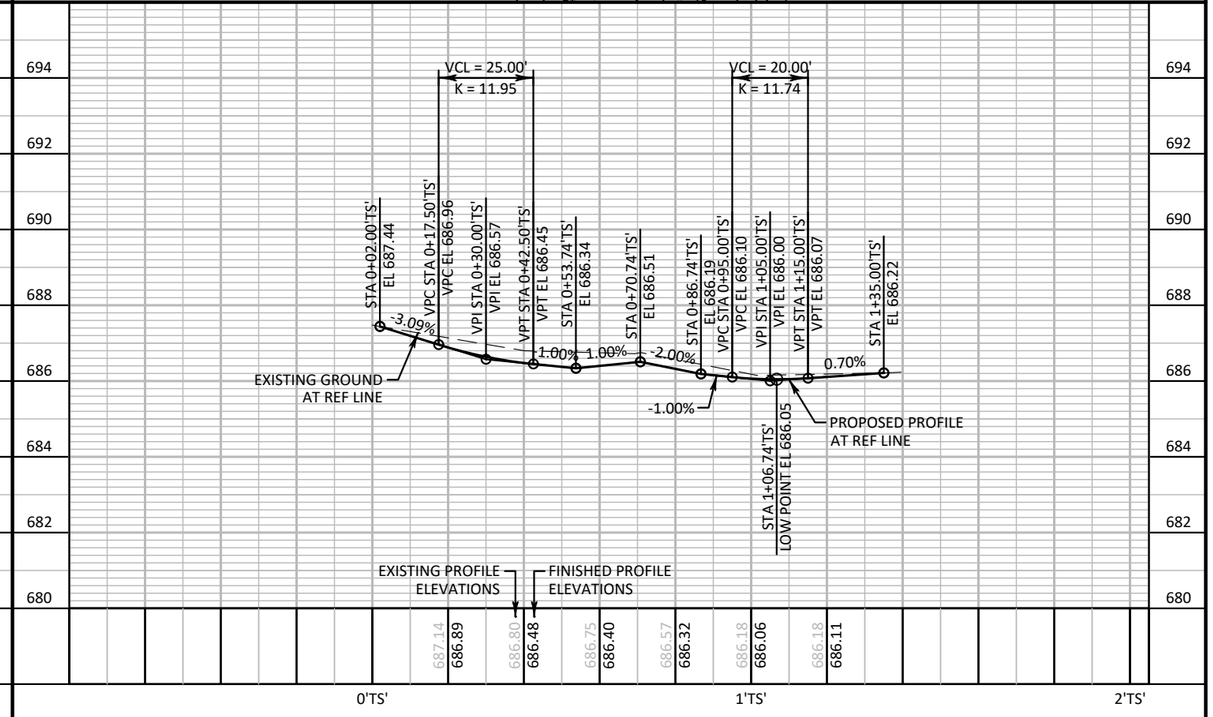
116'PA' 117'PA' 118'PA' 119'PA' 120'PA' 121'PA'

PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	PLAN AND PROFILE: PRENTICE AVENUE	SHEET 51 E

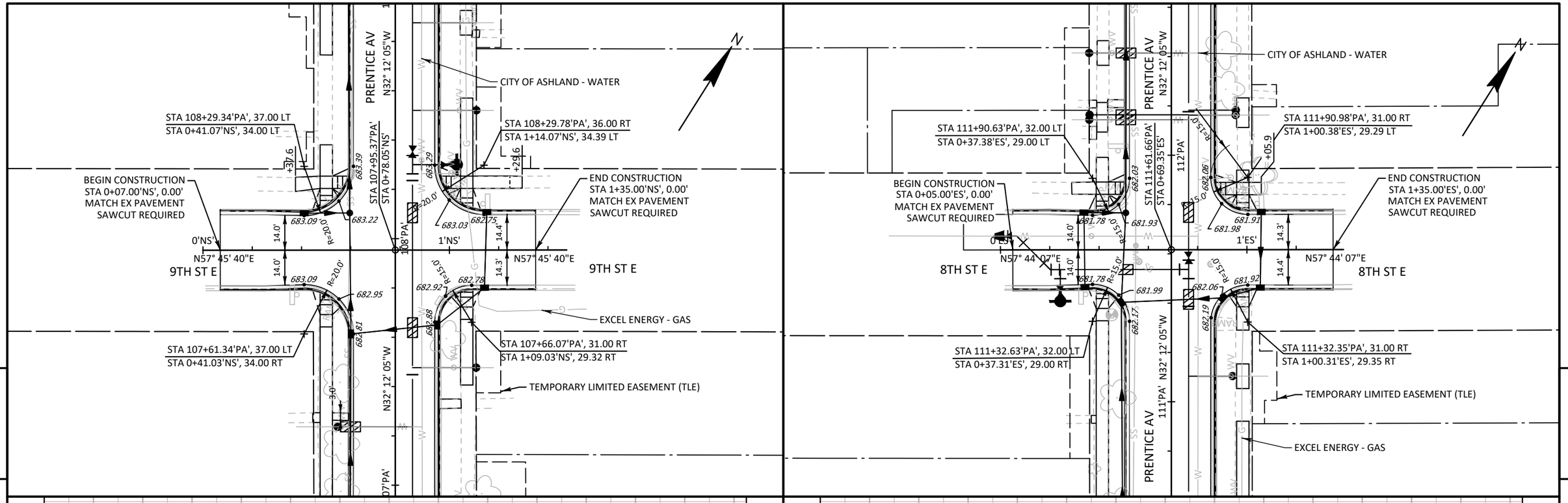








PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	PLAN AND PROFILE: 11TH ST E, 10TH ST E	SHEET 52 E



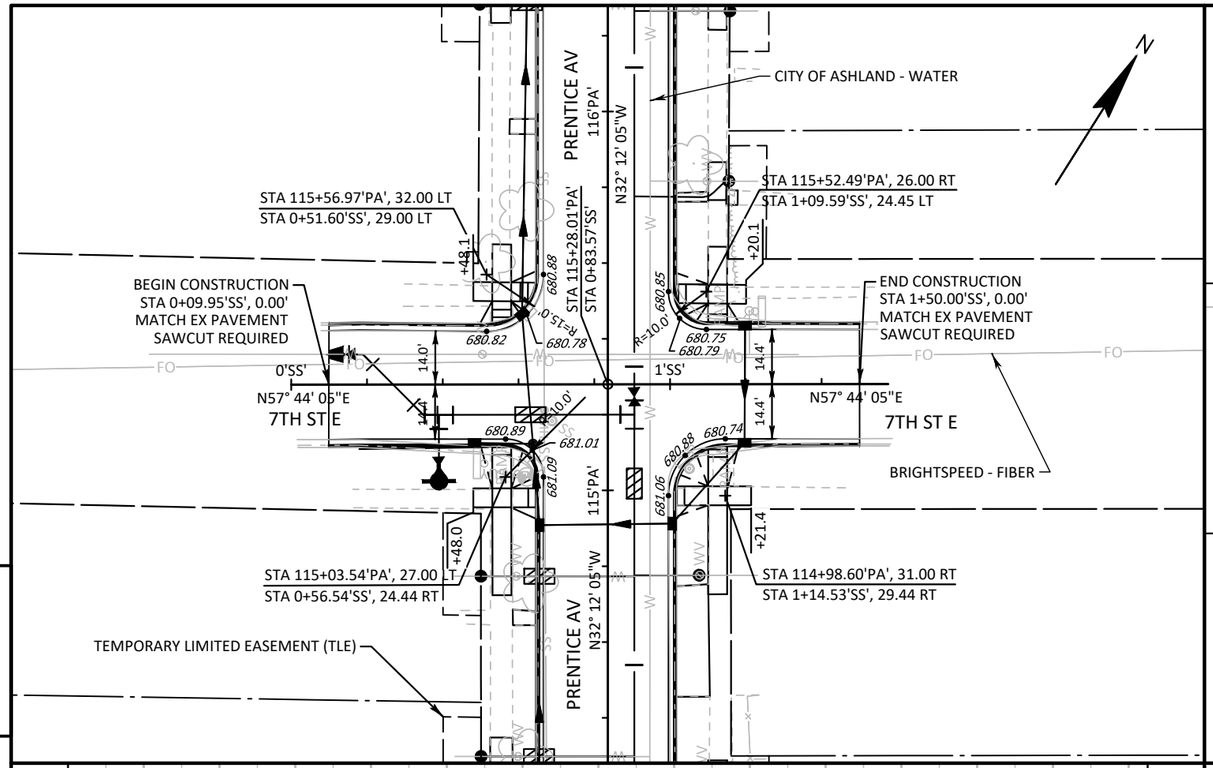
5

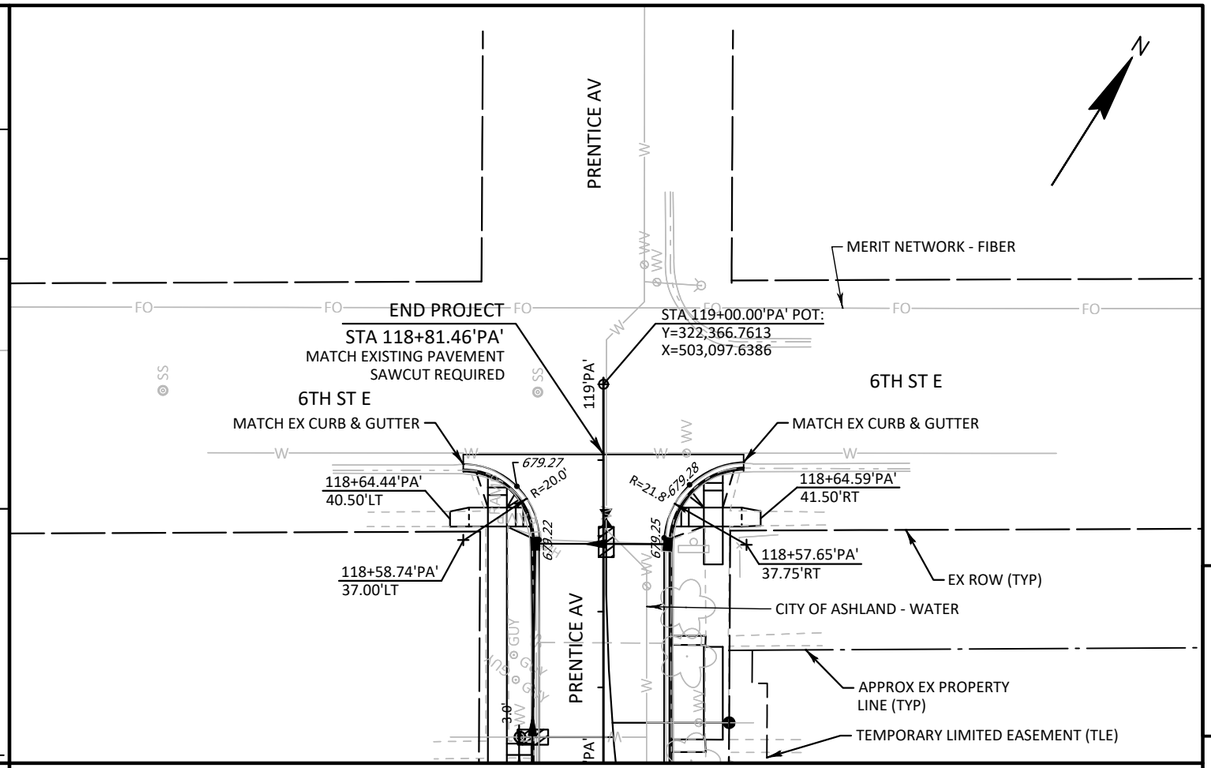
5

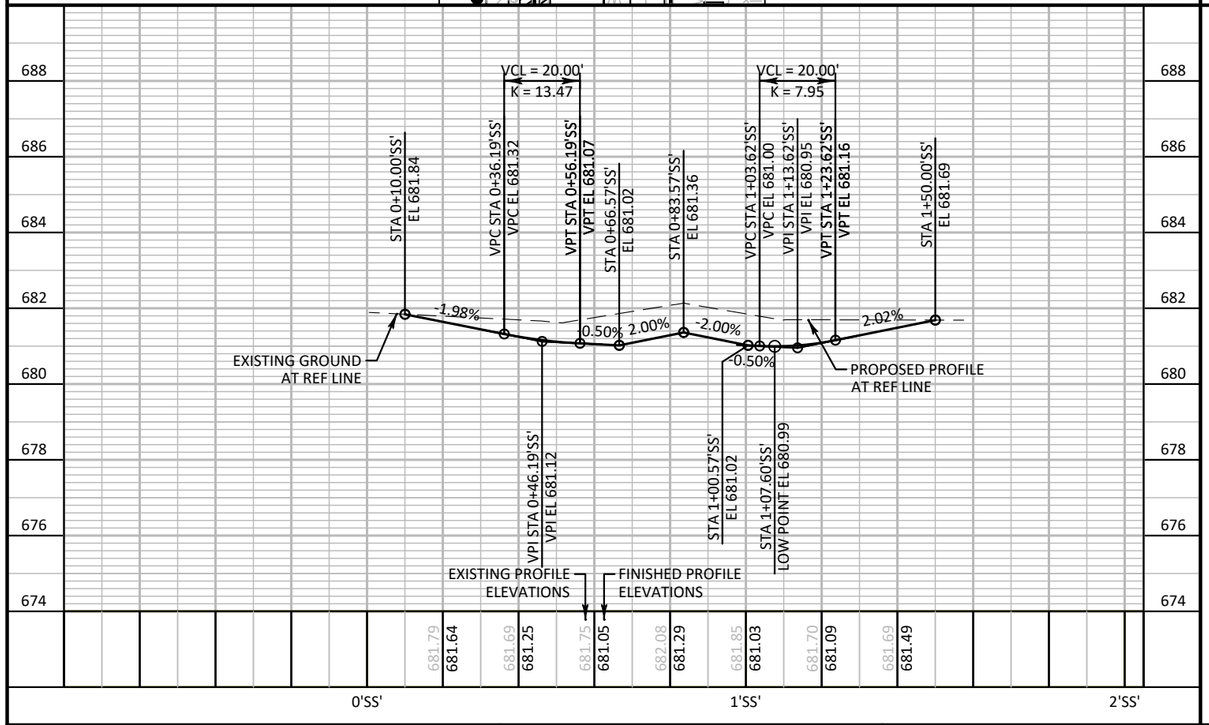
PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	PLAN AND PROFILE: 9TH ST E, 8TH ST E	SHEET 53 E

FILE NAME : X:\AE\A\ASHLA\168766\5-final-dsgn\51-drawings\40-TransHwy\89950014\sheets\SEC 05 Plan & Profile\050100_pp (PnP Cross Rds).dwg PLOT DATE : 1/16/2024 2:17 PM PLOT BY : SEH LAYOUT NAME : 06 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 44



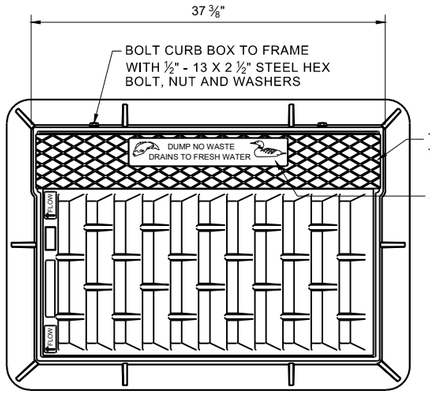




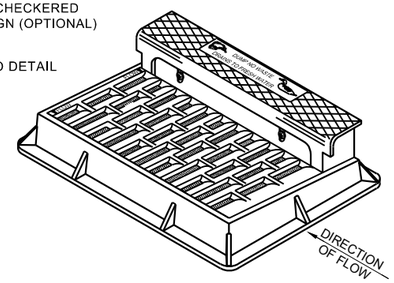
PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	PLAN AND PROFILE: 7TH ST E, 6TH ST E	SHEET 54 E

Standard Detail Drawing List

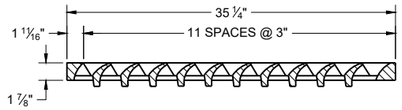
08A05-20A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-20B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-20D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A08-02	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08A09-02	CATCH BASINS 2X3-FT AND 2.5X3-FT
08B09-03	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-23A	CONCRETE CURB & GUTTER
08D05-21A	CURB RAMPS TYPES 1 AND 1-A
08D05-21B	CURB RAMPS TYPES 2 AND 3
08D05-21C	CURB RAMPS TYPES 4A AND 4A1
08D05-21D	CURB RAMPS TYPE 4B AND 4B1
08D05-21E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-21F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-21G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D17-06	MANHOLES, MANHOLE & INLET COVERS
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
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
13C19-03	HMA LONGITUDINAL JOINTS
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15D30-09C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

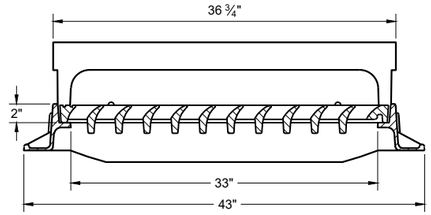


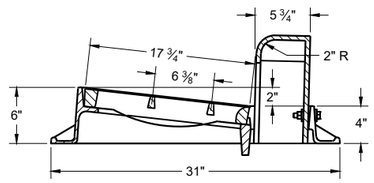
NOTE: EITHER CASTING IS ACCEPTABLE

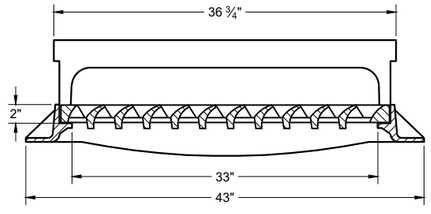


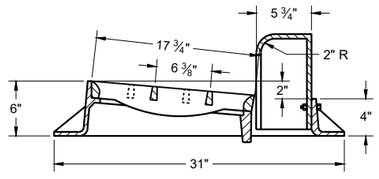
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







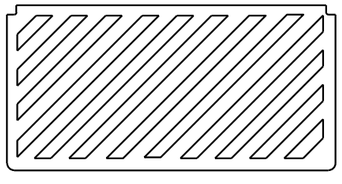




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

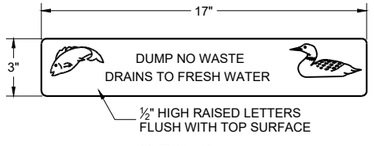
1 ⅛" DIAGONAL BARS WITH 1 ⅝" OPENINGS



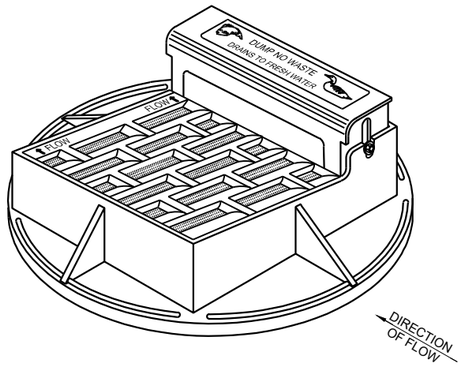
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35" X 17 ¾" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

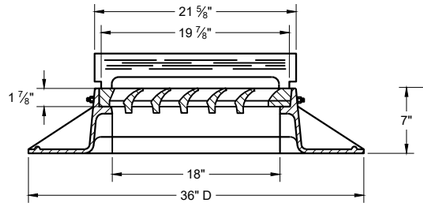


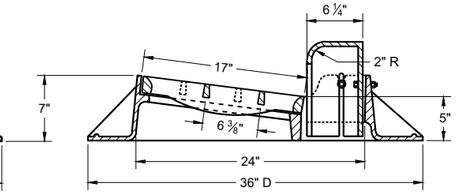
LOGO DETAIL



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

NOTE: EITHER CASTING IS ACCEPTABLE





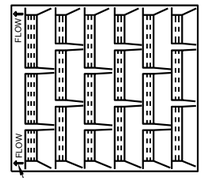
TYPE "A"

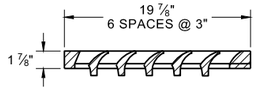
GENERAL NOTES

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

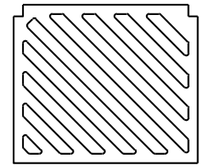
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.





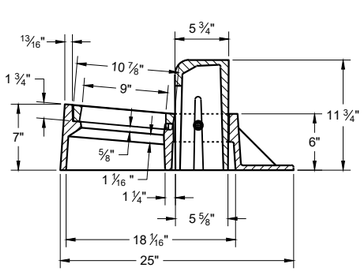
1" DIAGONAL BARS WITH 1 ½" OPENINGS



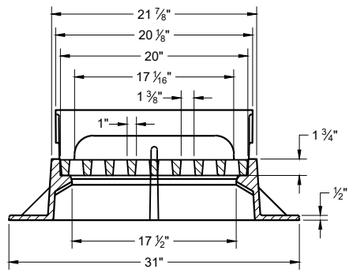
SPECIAL GRATE FOR TYPE "A" COVER

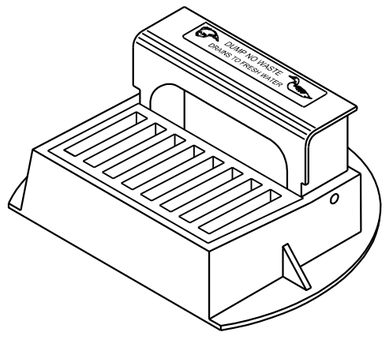
(MEASURES 19 ¾" X 17" X 1 ⅞")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "Z"





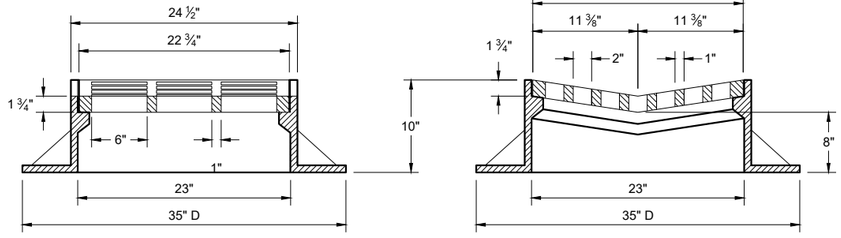
INLET COVERS
TYPES A, H, A-S, H-S AND Z

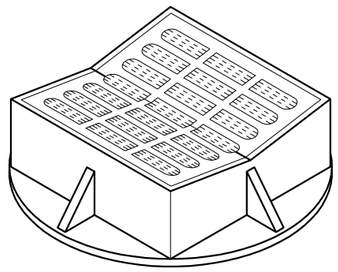
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2023
DATE

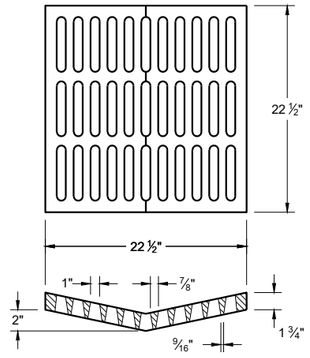
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA





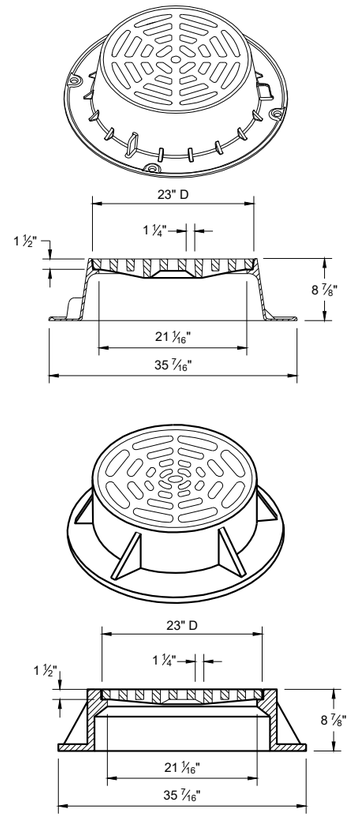
TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS POSSIBLE

NOTED AS TYPE B - A ON THE DRAINAGE TABLE



TYPE "C"

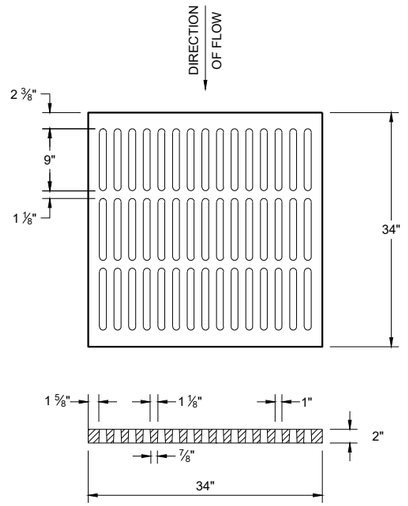
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

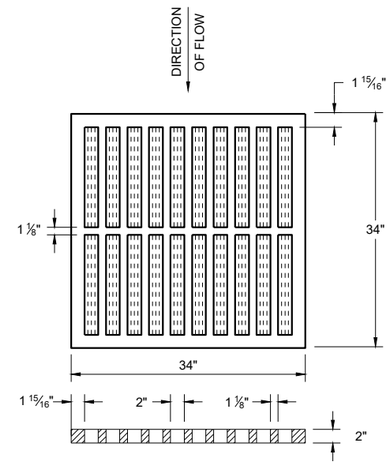
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS PERMITTED

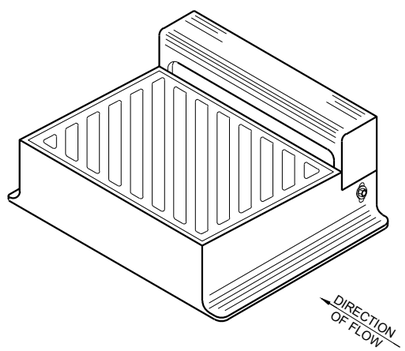
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



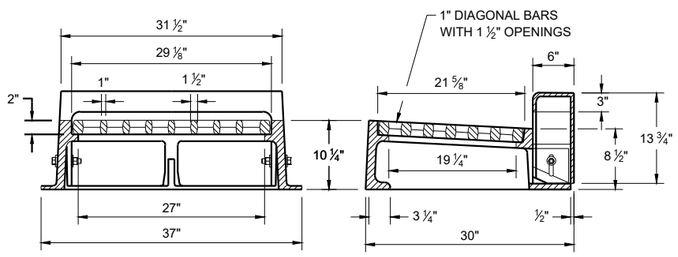
TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON THE DRAINAGE TABLE



DIAGONAL SLOTS SHALL BE ORIENTEDTO THE DIRECTION OF FLOW AS ILLUSTRATED.
GRATES ARE MANUFACTURED TO BE REVERSIBLE.



TYPE "WM"

NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

INLET COVERS TYPES B, B-A, C, MS, MS-A AND WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6

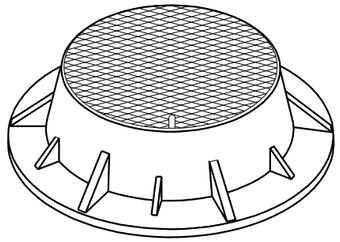
SDD 08A05-20b

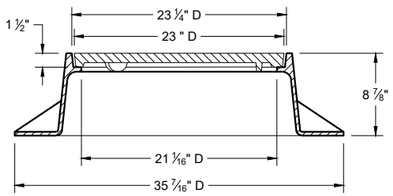
GENERAL NOTES

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.

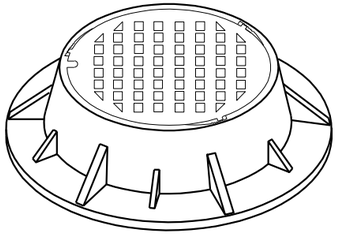
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

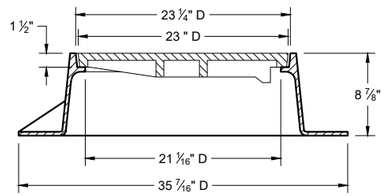




TYPE "J"

NOTE: EITHER CASTING IS ACCEPTABLE

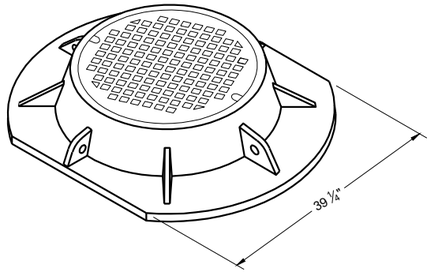


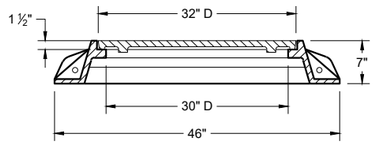


TYPE "J" SPECIAL

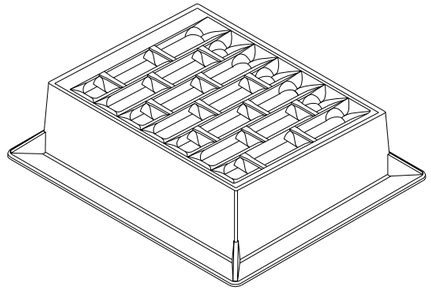
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

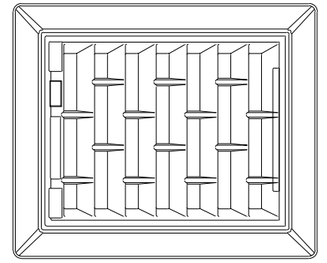
NOTE: EITHER CASTING IS ACCEPTABLE

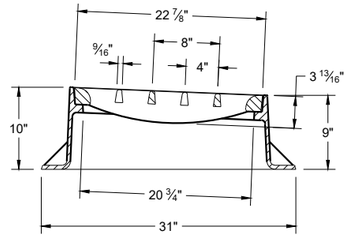


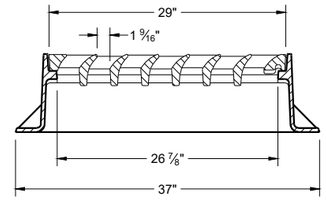


TYPE "K"

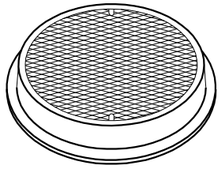


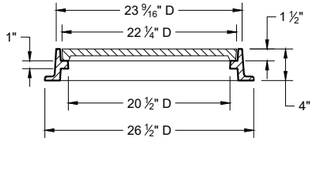






INLET COVER TYPE "BW"





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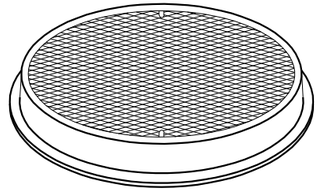

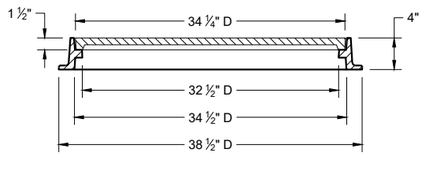

TYPE "M"

INLET COVERS TYPES BW
MANHOLE COVERS TYPES K, J, J-S, L, AND M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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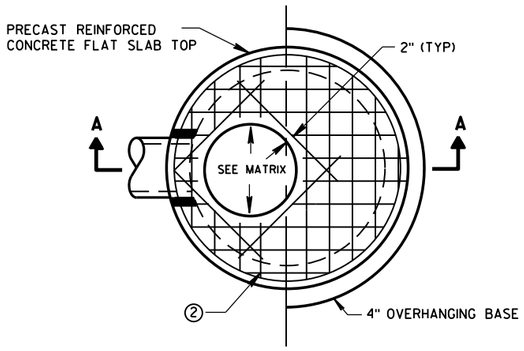
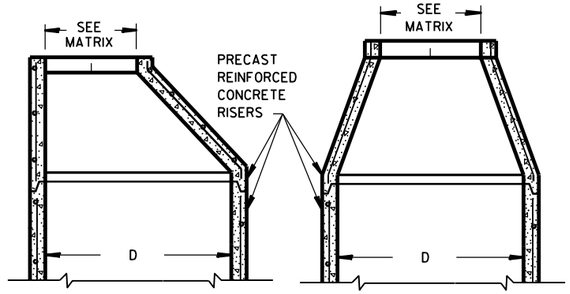
SDD 08A05-20d

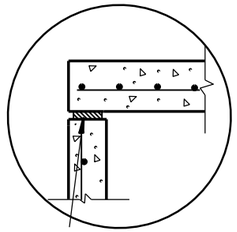


PLAN VIEW CIRCULAR OPENING

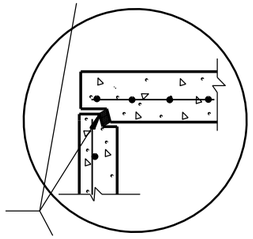


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

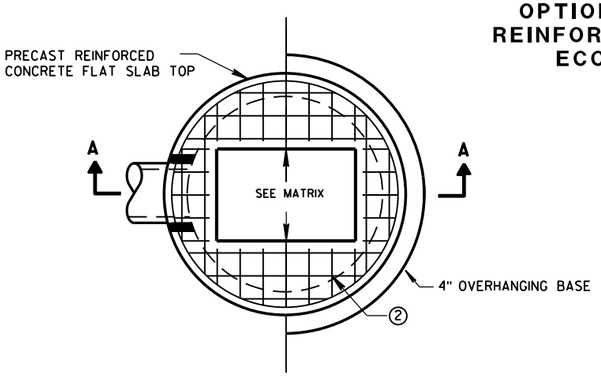
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



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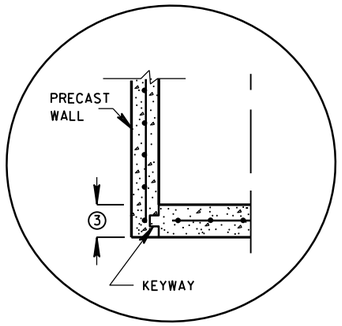
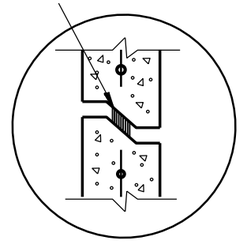


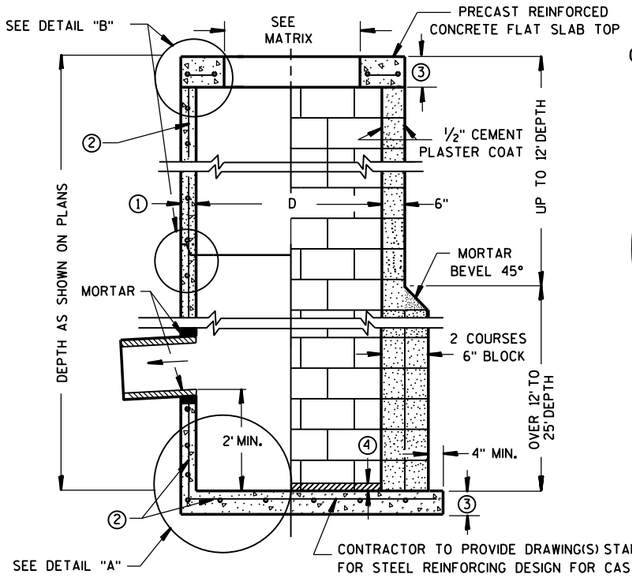
PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

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

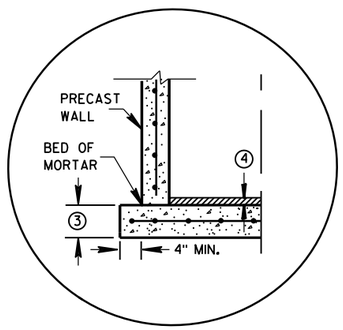
DETAIL "B"



SECTION A-A

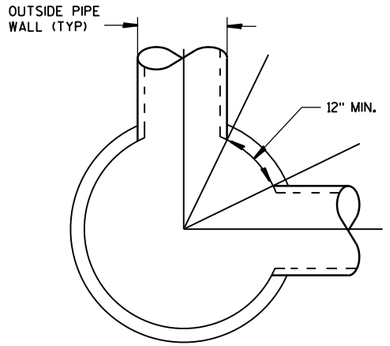
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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
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Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI
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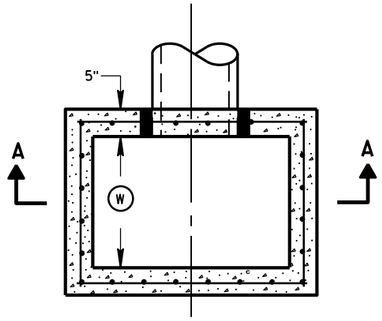
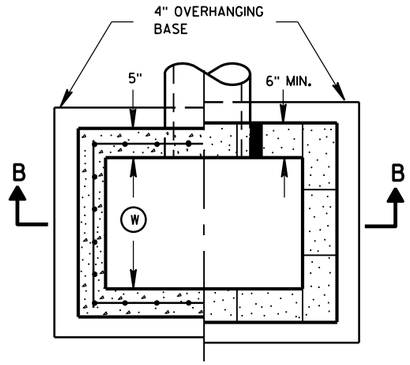
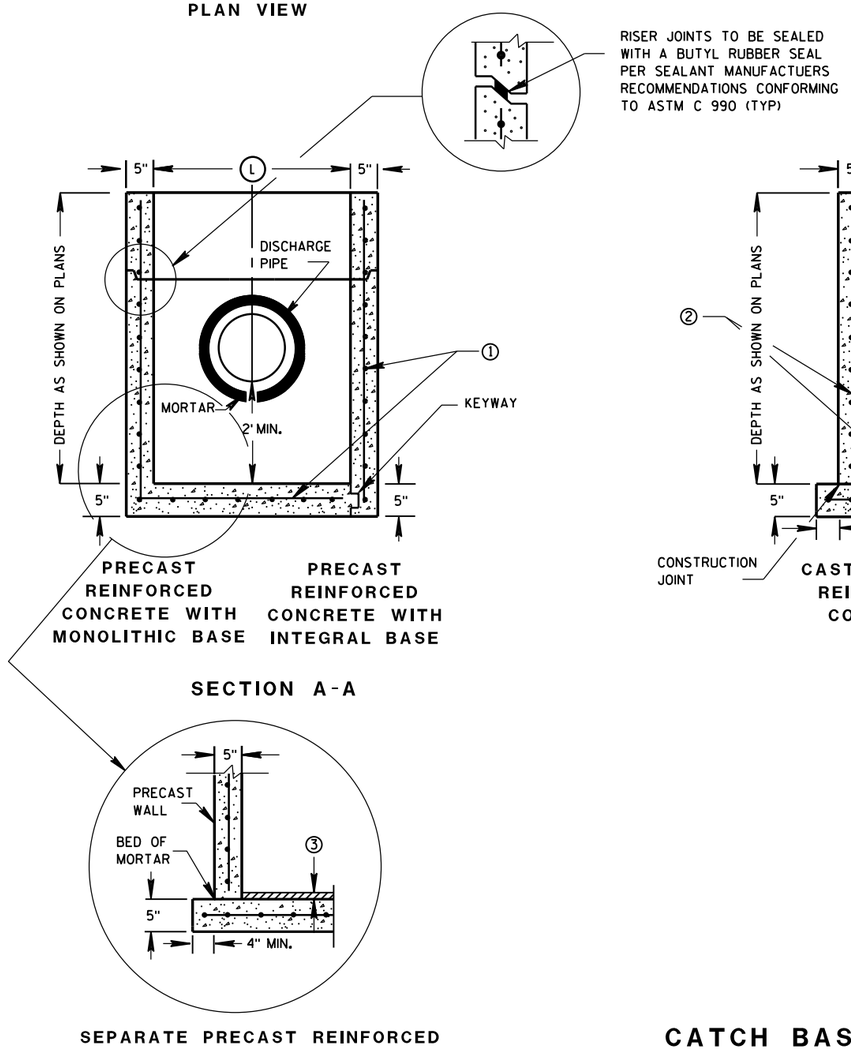
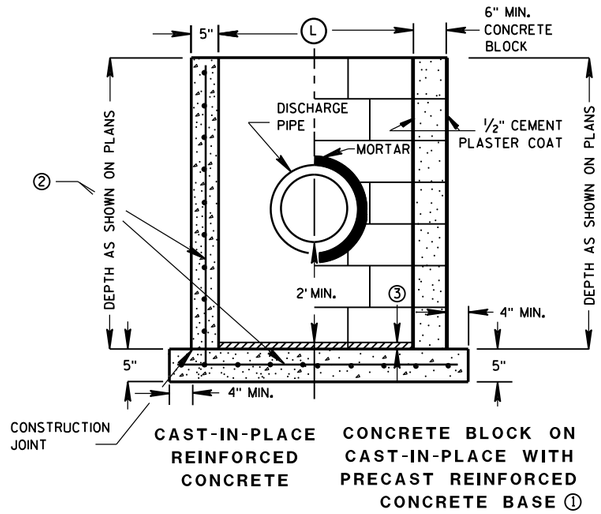


PLAN VIEW



PLAN VIEW





GENERAL NOTES

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

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.

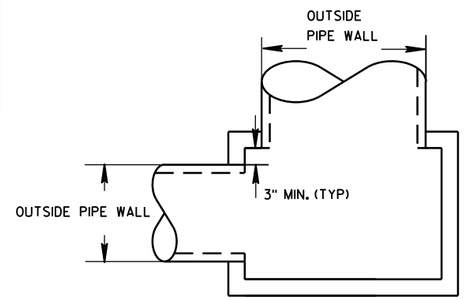
③ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

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
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Sept., 2016 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
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S.D.D. 8 A 9-2

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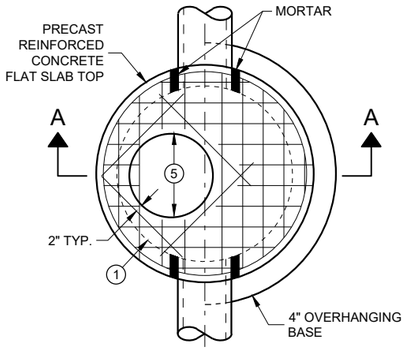
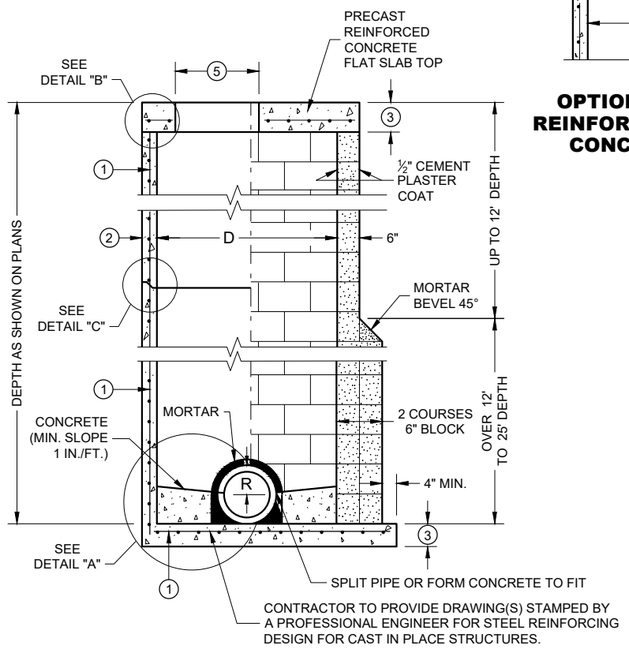
S.D.D. 8 A 9-2



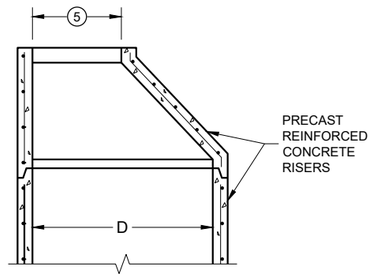
PLAN VIEW
CIRCULAR OPENING



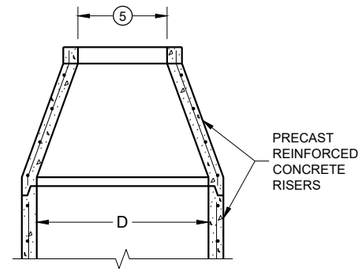
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

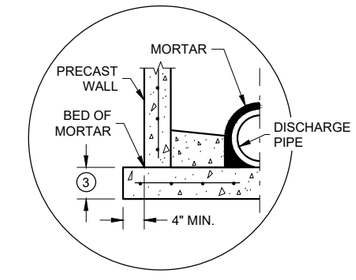
MANHOLE COVER OPENING MATRIX

OPENING SIZE (FT.) \ MANHOLE COVER TYPE	C	ALL J'S	K	L	M
2 DIA.	X	X		X	
3 DIA.			X		X

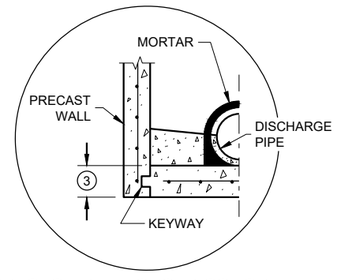
PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42*	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES.
SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL.

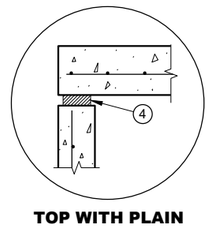


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

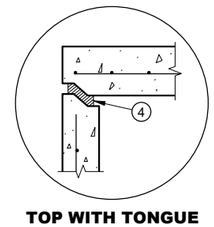


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

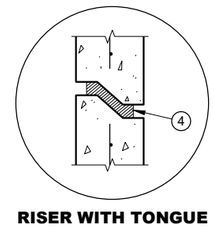
DETAIL "A"



TOP WITH PLAIN END JOINT

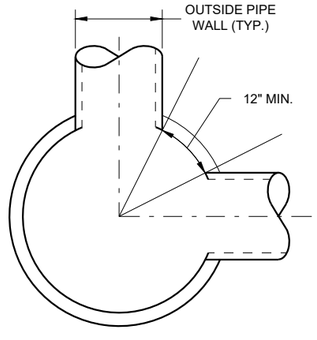


TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**



MINIMUM HORIZONTAL PIPE SEPARATION

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

(1) FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(2) SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES

(3) SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.

(4) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP.).

(5) SEE MANHOLE COVER OPENING MATRIX.

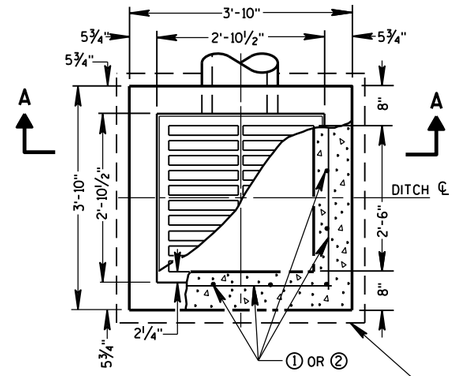
MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

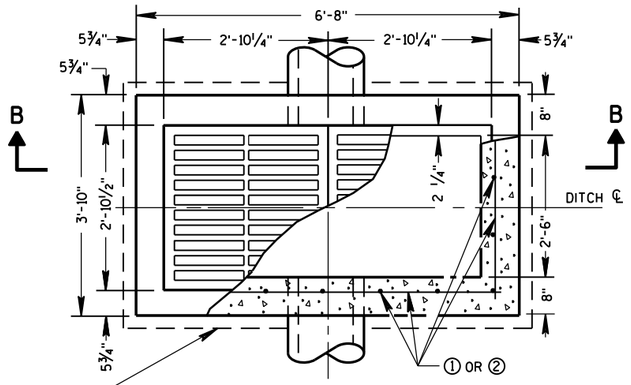
APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

6
SDD 08B09 - 03

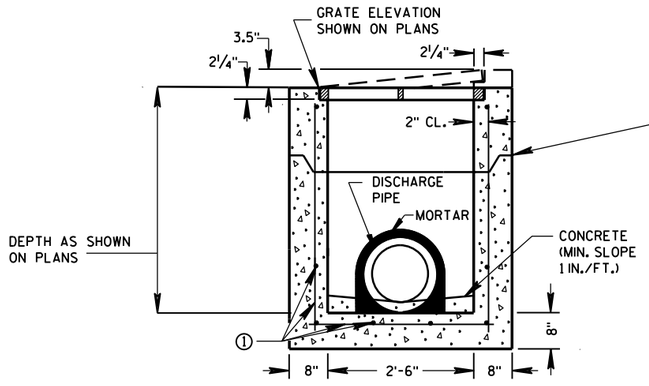


PLAN VIEW

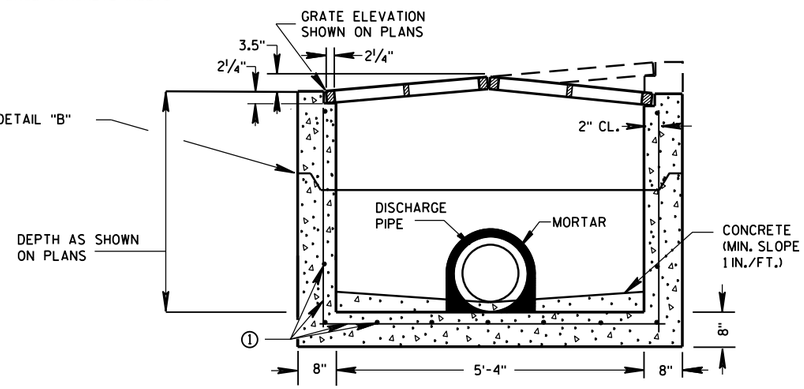


PLAN VIEW

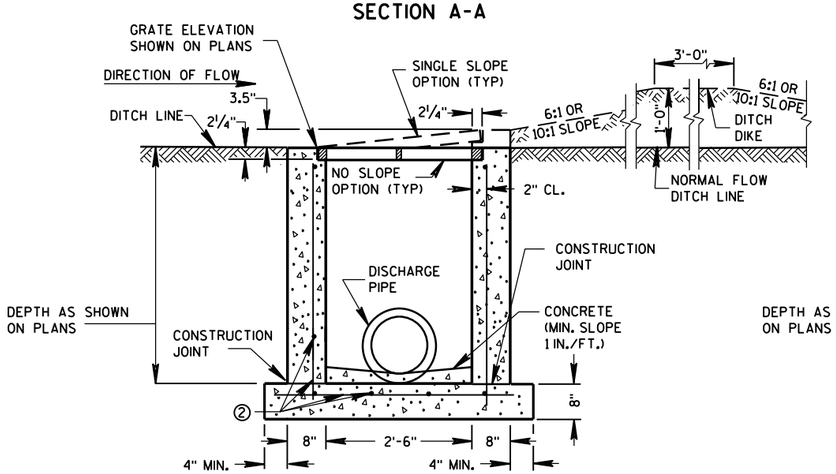
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



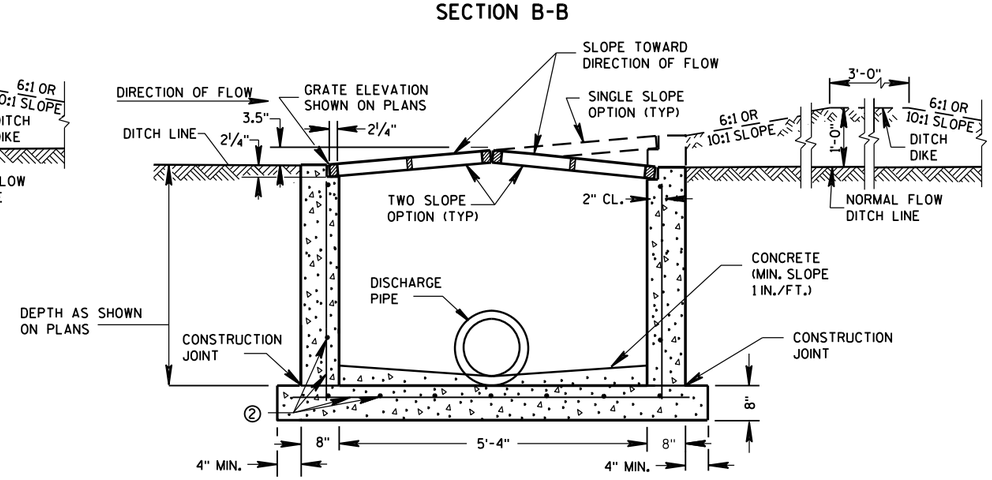
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

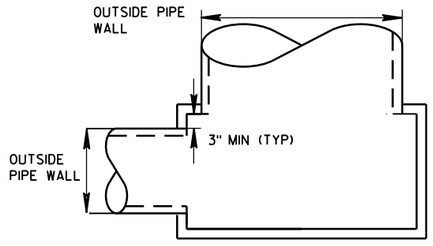
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

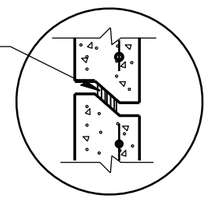
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI ENT
FHWA

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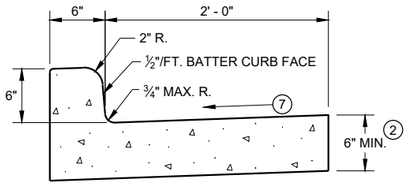
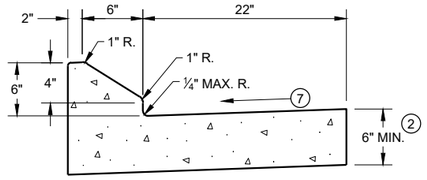
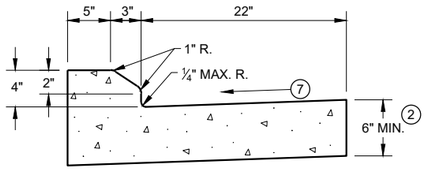
S.D.D. 8 C 8-2



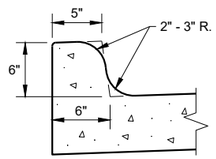
TYPES A (1) & D



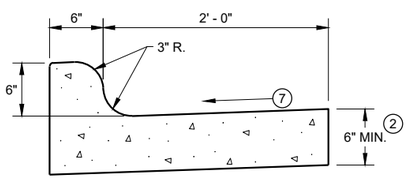
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

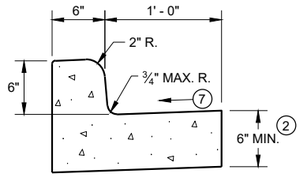


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



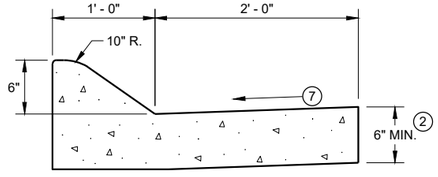
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

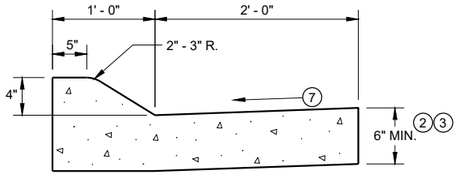


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

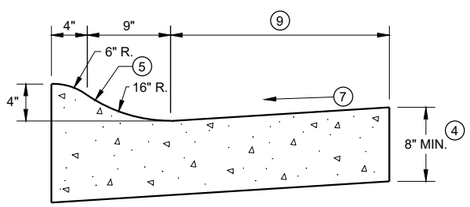


6" SLOPED CURB TYPES A (1) & D



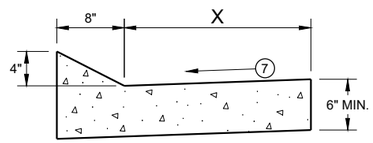
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

TBT & TBTT	X
30"	22"
36"	28"

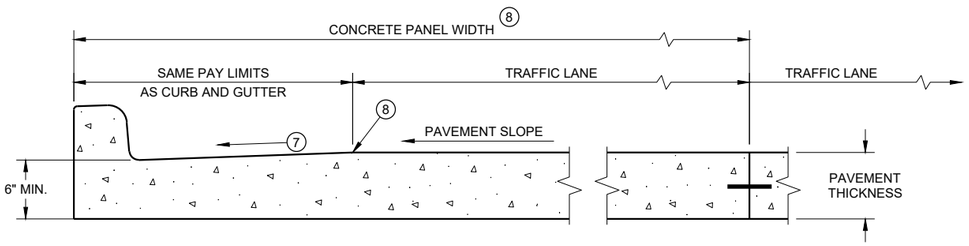


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

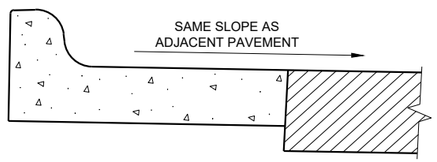
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

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

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

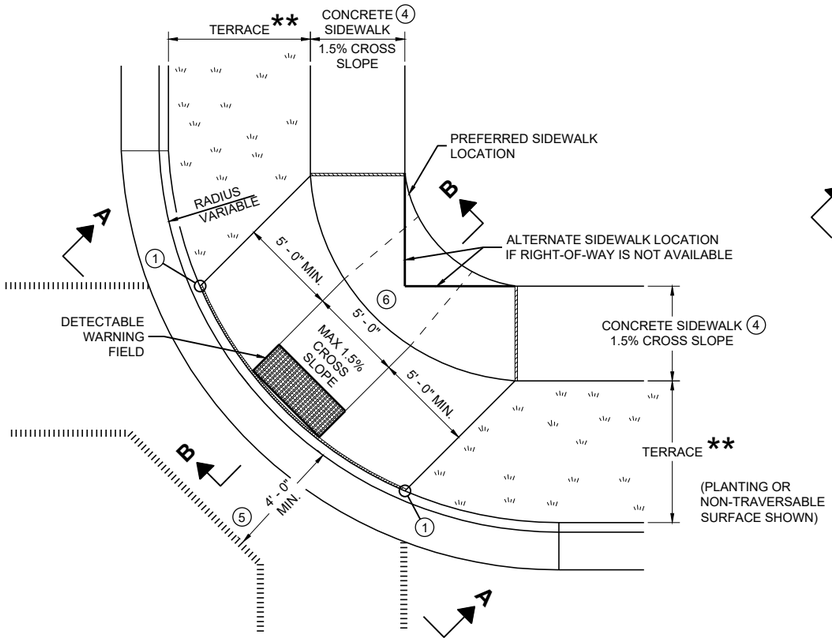
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

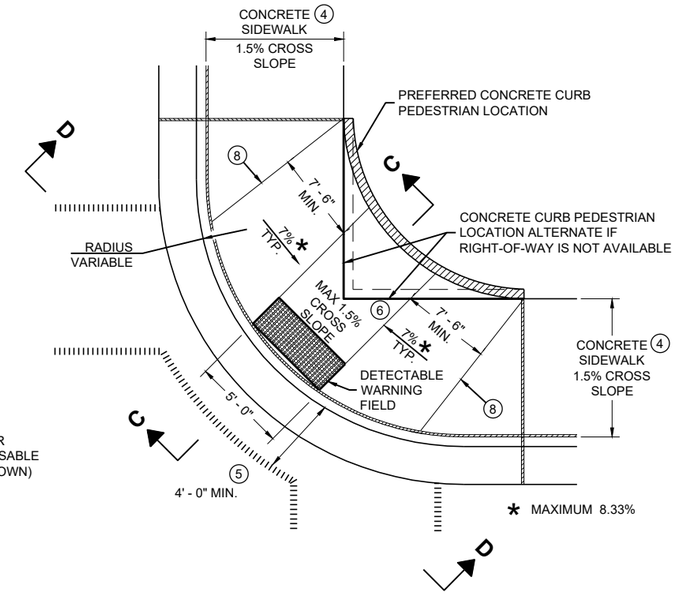
SDD 08D01 - 23a



PLAN VIEW

CURB RAMP TYPE 1

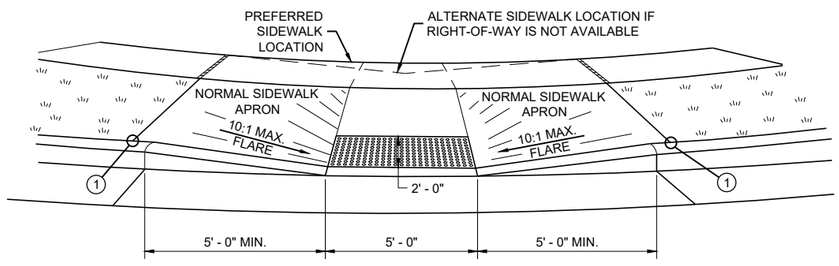
(CENTER OF CORNER RADIUS)



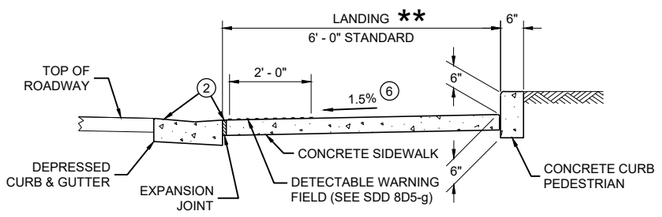
PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

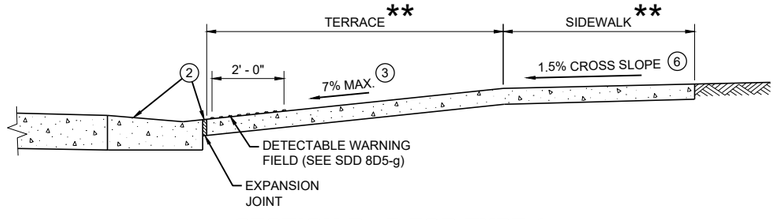


VIEW A - A FOR TYPE 1

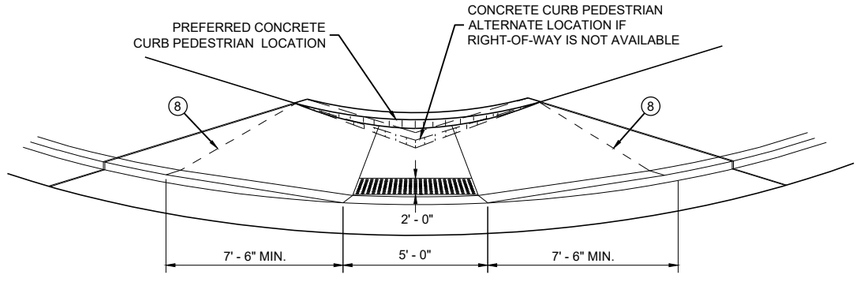


SECTION C - C FOR TYPE 1 - A

** 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. 4 FOOT WIDTH IS MEASURED FROM THE FLANGE LINE

(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.

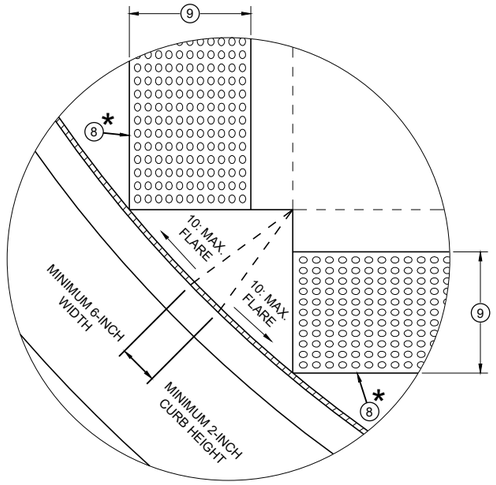
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

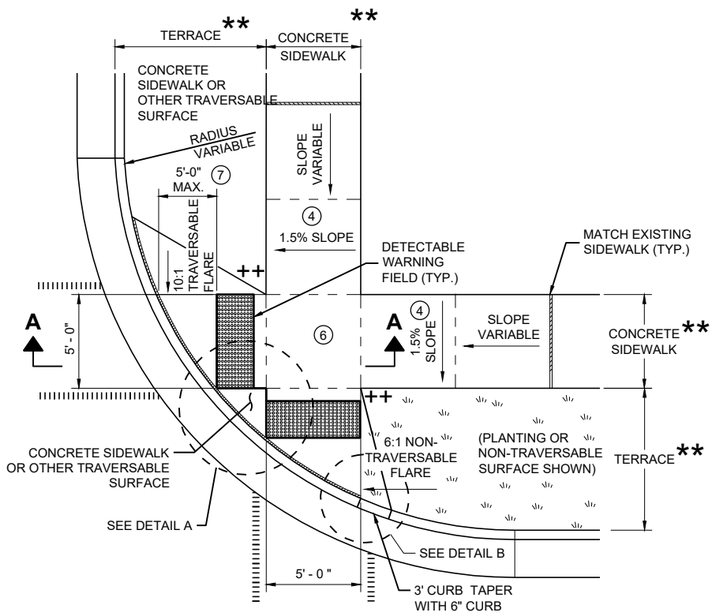
CURB RAMPS
TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 08D05-21a



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.

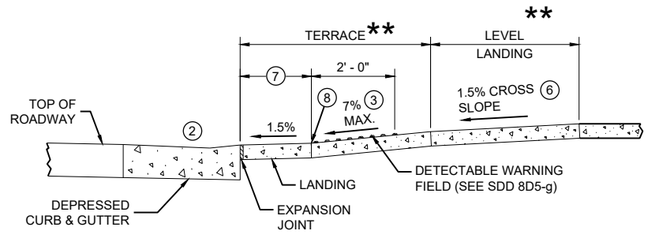
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(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.

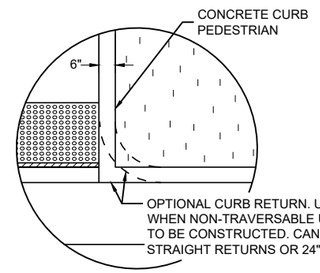


SECTION A - A FOR TYPE 2

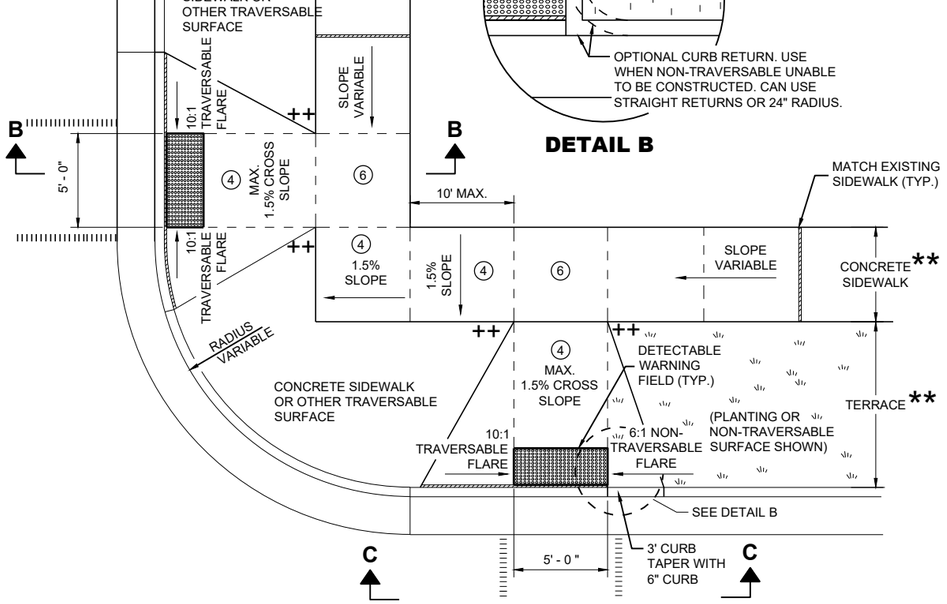
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

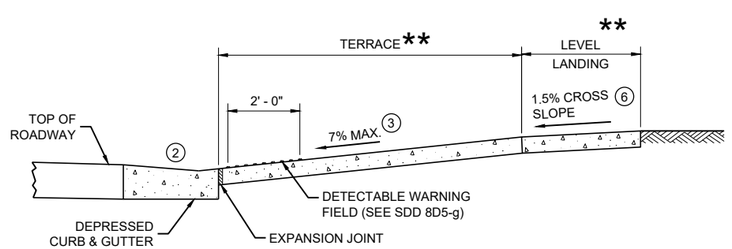
++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



DETAIL B



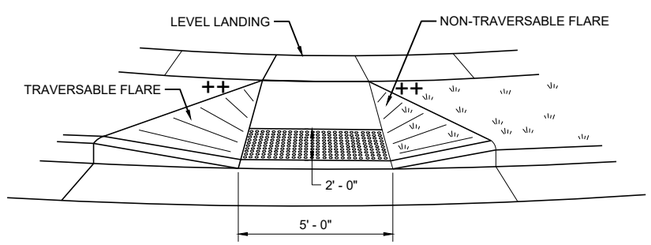
PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3

LEGEND

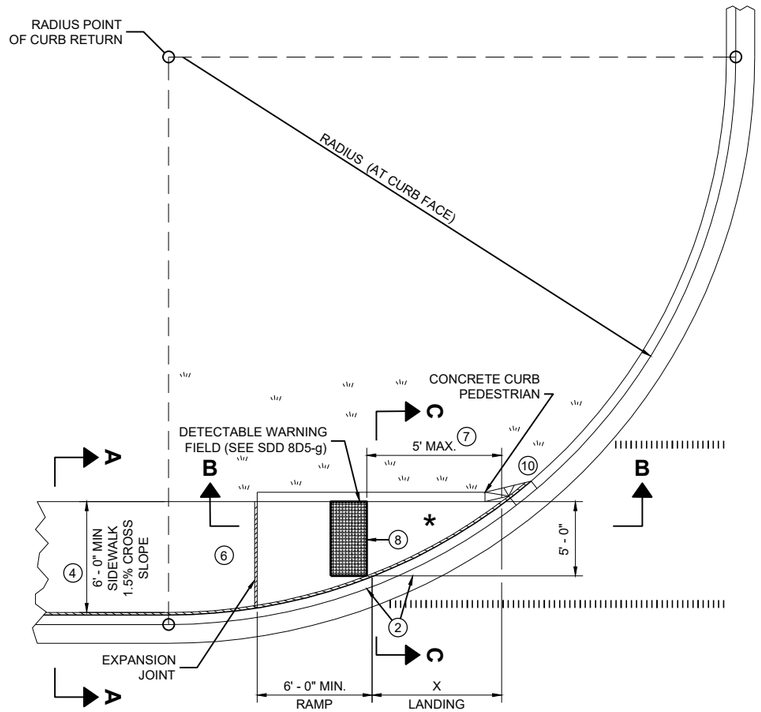
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)



VIEW C - C FOR TYPE 3

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

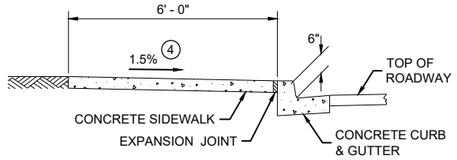


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

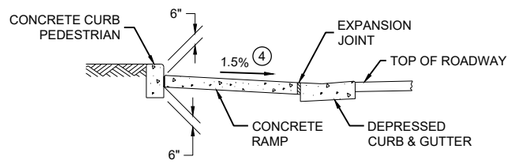
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

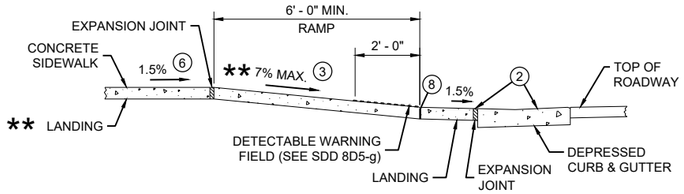
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



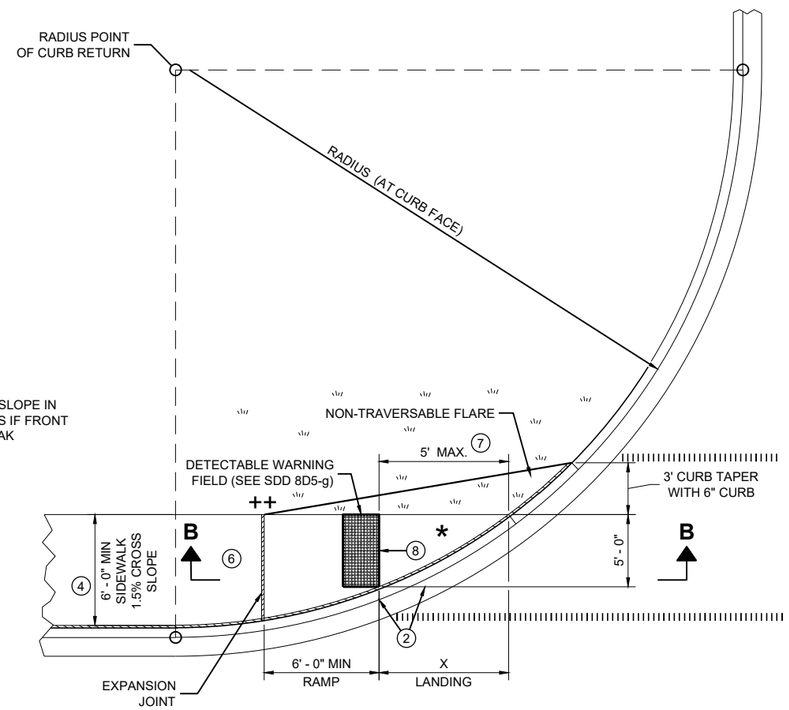
SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

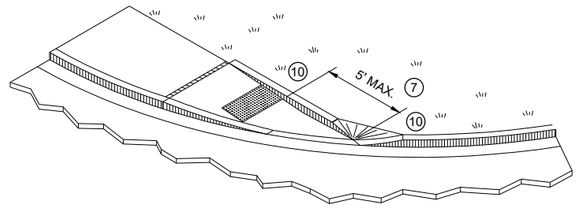
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK



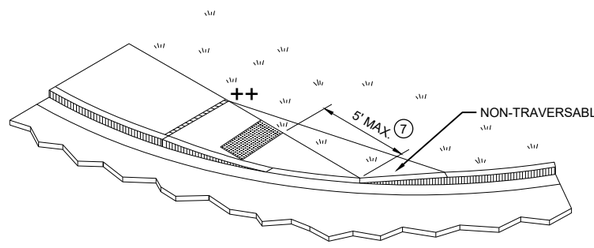
PLAN VIEW

CURB RAMP TYPE 4A1

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



ISOMETRIC VIEW FOR TYPE 4A



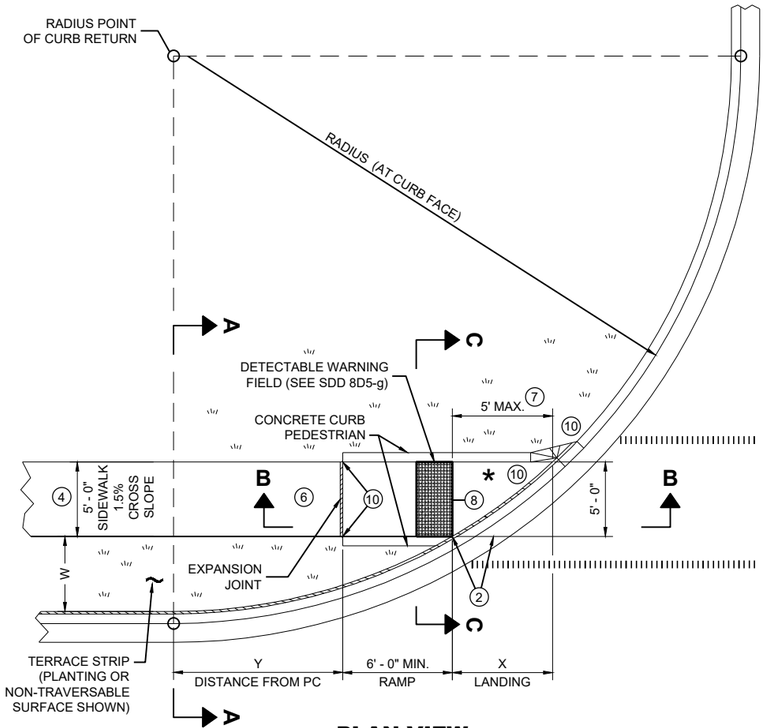
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

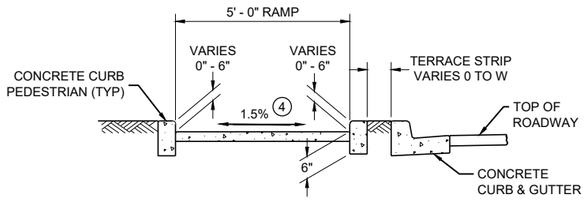
SDD 08D05-21c



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 1/4"	0' - 5"	2' - 1"	1' - 4 1/2"	1' - 5"	2' - 1"	0' - 10"	2' - 7 1/2"	0' - 3 1/4"	3' - 0 1/4"						
15 FEET	4' - 6 3/4"	2' - 1 3/4"	3' - 9"	3' - 5 3/4"	3' - 1 1/4"	4' - 6"	2' - 6 3/4"	5' - 4 1/2"	2' - 1"	6' - 1"	1' - 8"	6' - 8 1/2"	1' - 3 1/4"	7' - 2 1/2"	0' - 10 3/4"	7' - 7 1/4"
20 FEET			4' - 11 1/2"	5' - 1 3/4"	4' - 3 1/4"	6' - 5 1/2"	3' - 8 3/4"	7' - 7"	3' - 3"	8' - 6 1/2"	2' - 10"	9' - 4 1/2"	2' - 5 1/2"	10' - 1 1/4"	2' - 1 1/4"	10' - 9"
30 FEET									4' - 10 3/4"	12' - 5 3/4"	4' - 5 1/2"	13' - 7 3/4"	4' - 0 3/4"	14' - 8 1/2"	3' - 8 1/2"	15' - 8 1/4"
40 FEET															4' - 10 3/4"	19' - 8 1/4"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH



SECTION C - C FOR TYPE 4B

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

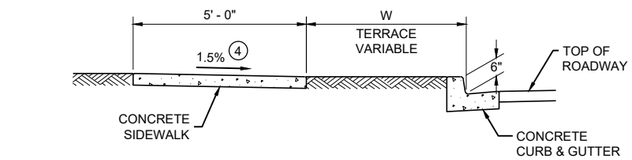
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

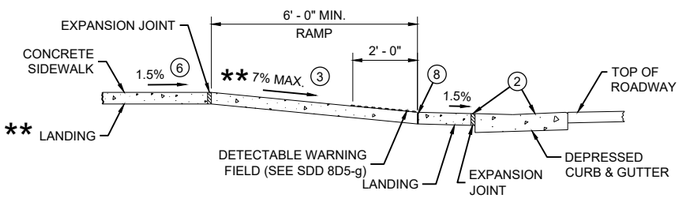
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

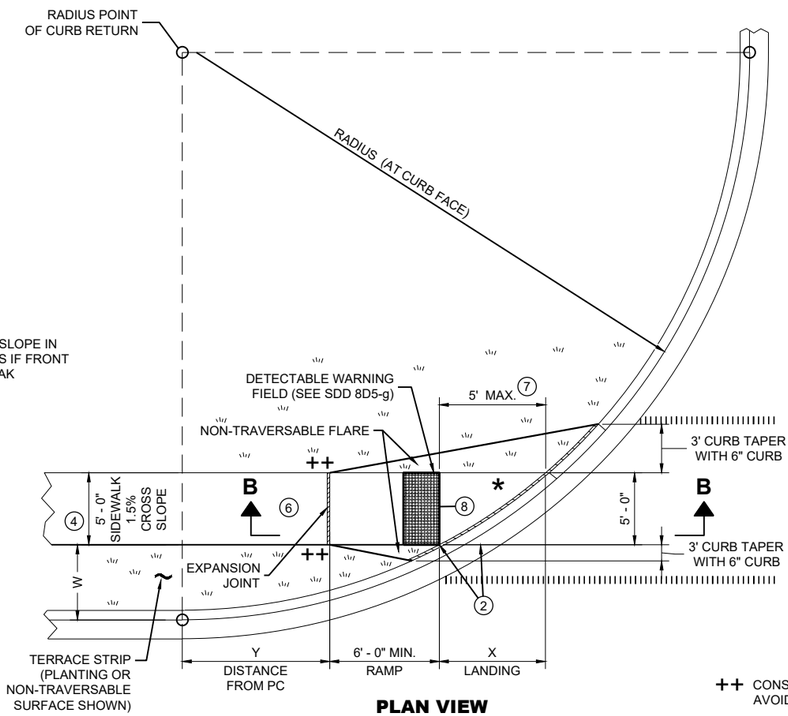


SECTION A - A FOR TYPE 4B



SECTION B - B FOR TYPE 4B AND TYPE 4B1

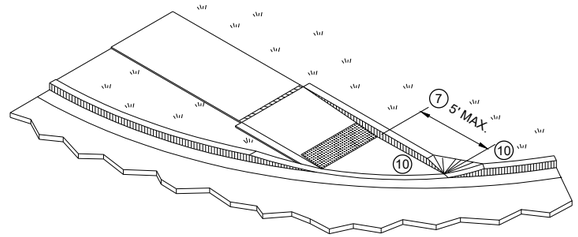
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED



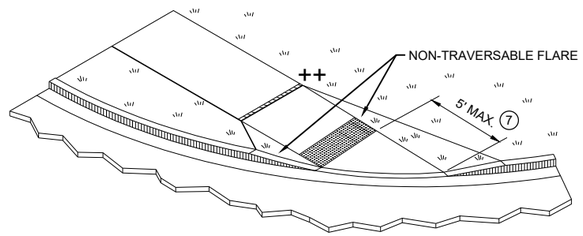
PLAN VIEW
CURB RAMP TYPE 4B1

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



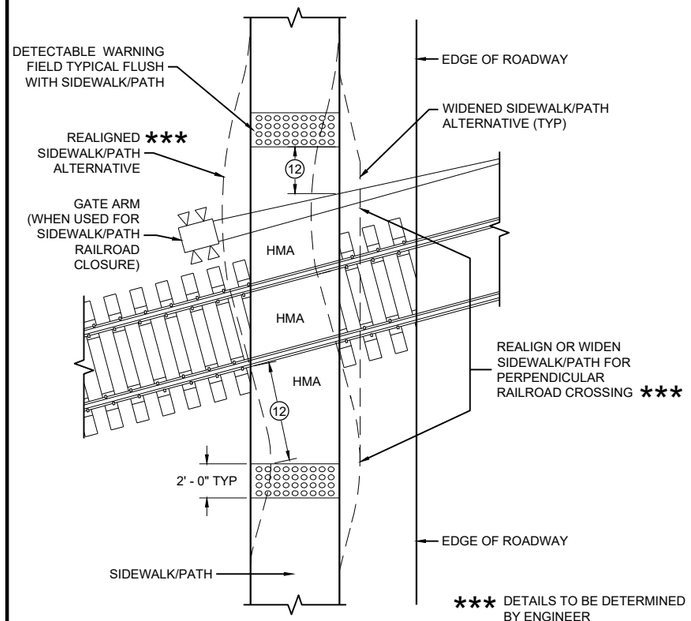
ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

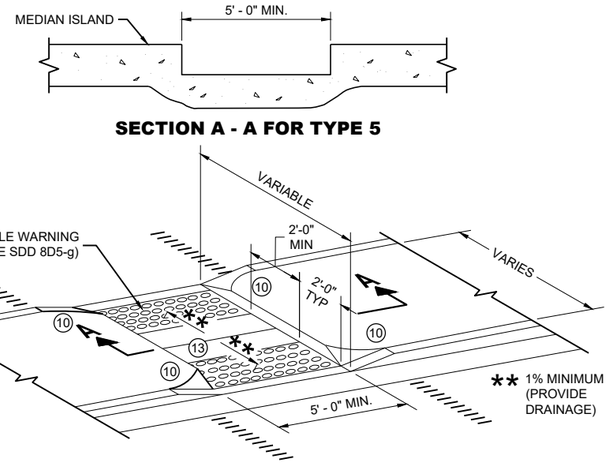
CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



CURB RAMP TYPE 8

DETECTABLE WARNINGS FOR SIDEWALKS OR SHARED USE PATHS AT RAILROAD CROSSINGS



SECTION A - A FOR TYPE 5

CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

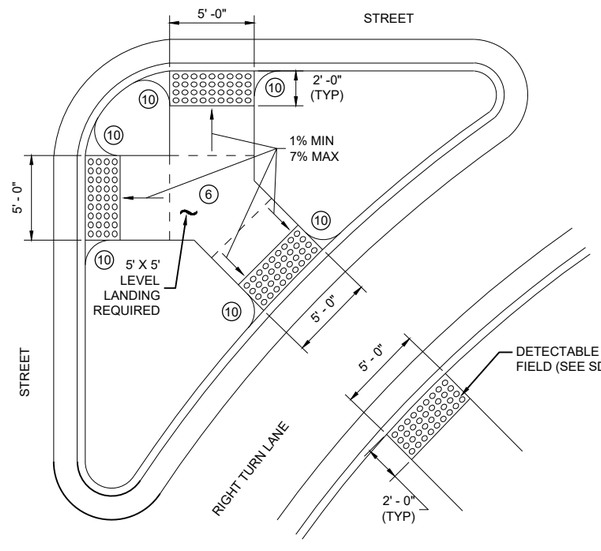
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK/PATH. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD TRACK IS 15 FEET MAXIMUM AND 12 FEET MINIMUM, 15 FEET TYPICAL 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

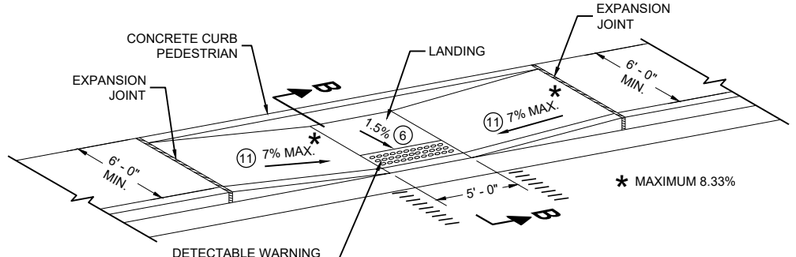
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

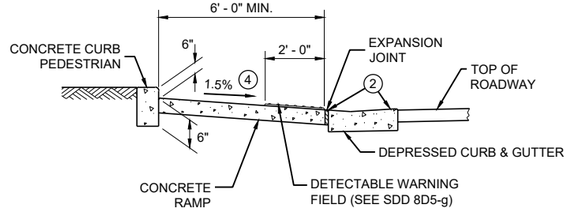
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS

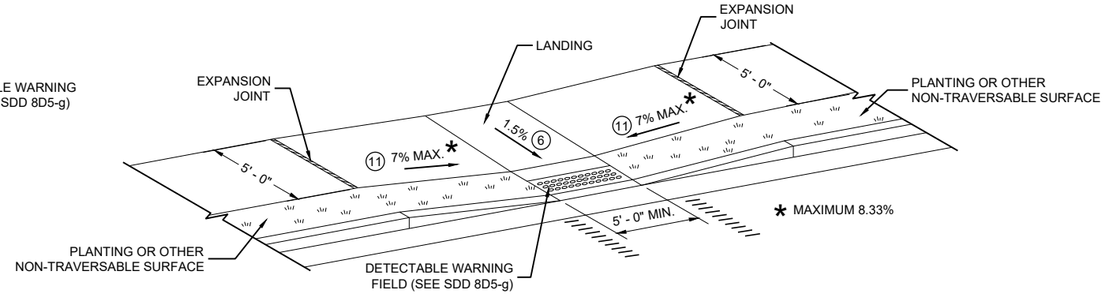


CURB RAMP TYPE 7A

FOR INTERSECTIONS AND MID BLOCK CROSSINGS



SECTION B - B FOR TYPE 7A



CURB RAMP TYPE 7B

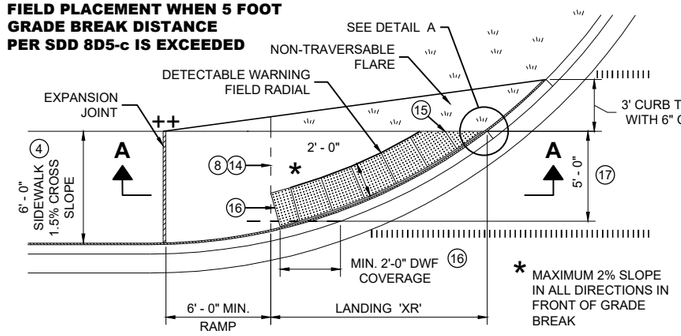
FOR INTERSECTIONS AND MID BLOCK CROSSINGS

CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

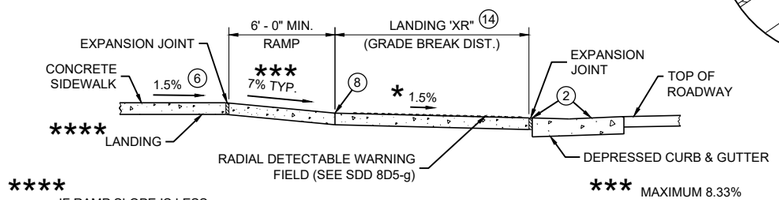
SDD 08D05-21e

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

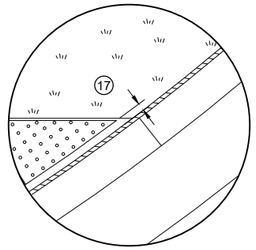
CURB RAMP TYPE 4A1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1



DETAIL A

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

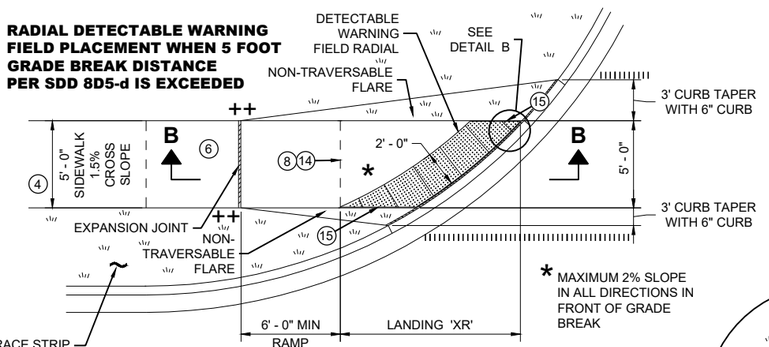
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

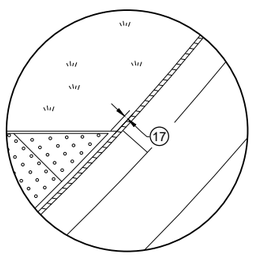
(17) A MAXIMUM 3 INCH CONCRETE BORDER WIDTH IS ALLOWABLE IN FRONT OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED

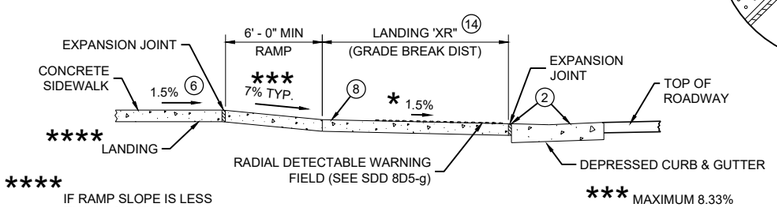


PLAN VIEW

CURB RAMP TYPE 4B1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

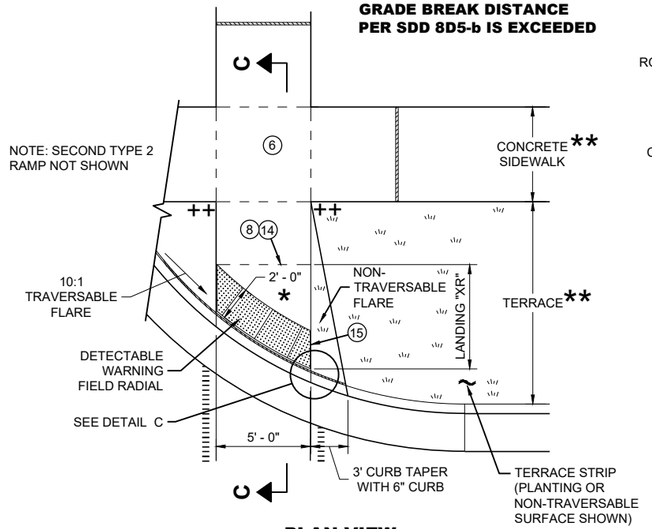


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

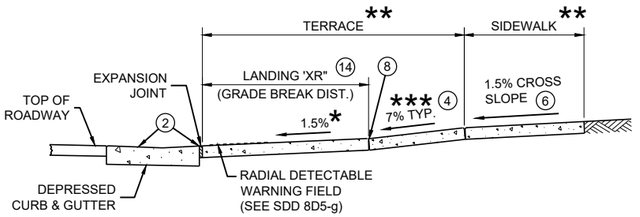
SECTION B - B FOR TYPE 4B1

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

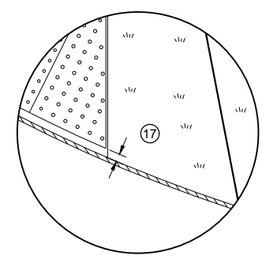


PLAN VIEW

CURB RAMP TYPE 2
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)
(ON LINE WITH SIDEWALK)



SECTION C - C FOR TYPE 2



DETAIL C

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

CURB RAMPS
RADIAL DETECTABLE WARNING

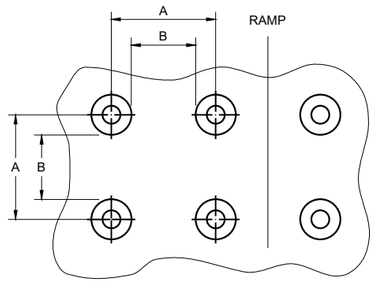
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

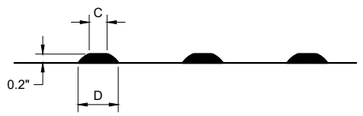
SDD 08D05-21f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

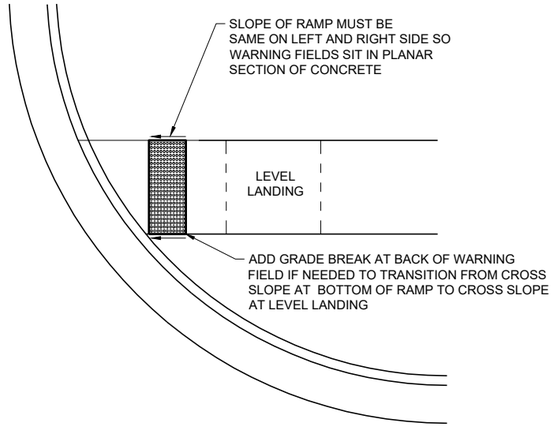
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



PLAN VIEW



ELEVATION VIEW



DETECTABLE WARNING FIELD
PLANAR INSTALLATION

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.

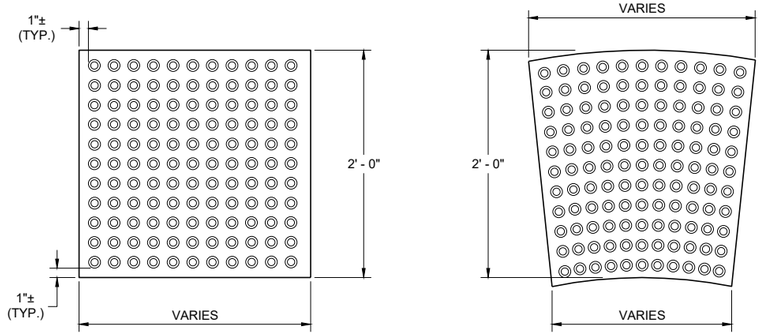
FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. 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.

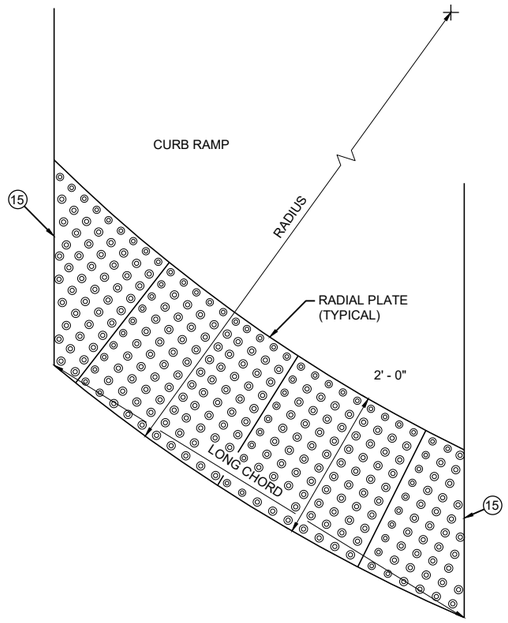
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



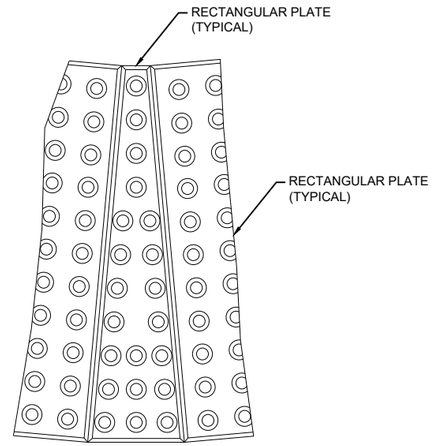
RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)



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

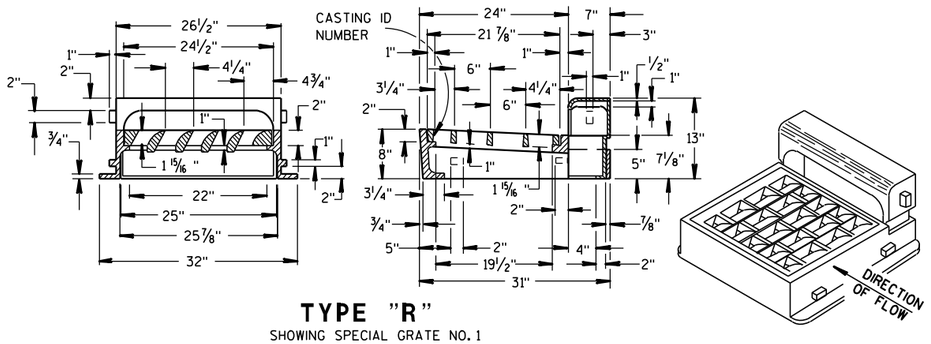
July 2023 — DATE

/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

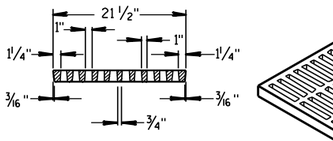
6
SDD 08D05-21g

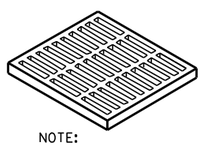
INLET COVERS



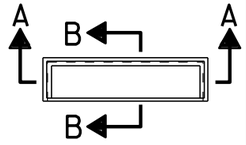
TYPE "R"

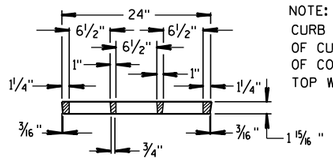
SHOWING SPECIAL GRATE NO. 1
(TO BE NOTED AS R-1 IN DRAINAGE TABLE)



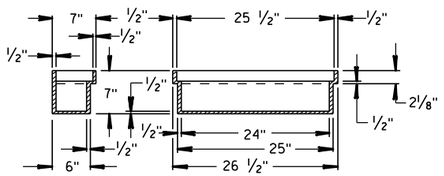


(APPROX. WEIGHT - 510 LBS.)
FRAME..... 245 LBS.
CURB..... 120 LBS.
GRATE..... 145 LBS.





NOTE:
CURB PLUG USED IN PLACE OF CURB BOX IN ABSENCE OF CONC. CURB. FILL TO TOP WITH CONCRETE.



SECTION B-B SECTION A-A

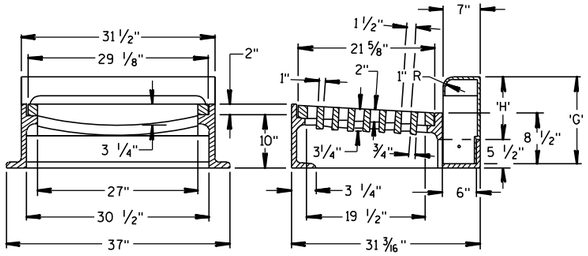
GRATE FOR TYPE "R" INLET COVER

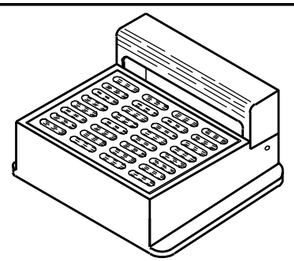
(GRATE..... 150 LBS.)
(TO BE USED UNLESS OTHERWISE NOTED IN DRAINAGE TABLE)

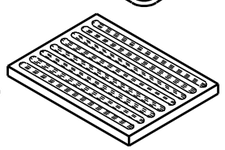
SPECIAL CURB PLUG "P"

(CURB PLUG..... 85 LBS.)
(TO BE NOTED AS R-P IN DRAINAGE TABLE)

'H' = 9" FOR 6" CURB
'H' = 11" FOR 8" CURB
'G' = 13 3/4" FOR 6" CURB
'G' = 15 3/4" FOR 8" CURB

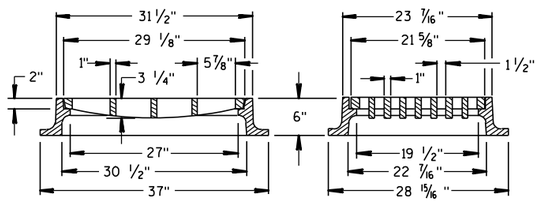






(APPROX. WEIGHT - 670 LBS.)
FRAME..... 350 LBS.
CURB BOX..... 135 LBS.
GRATE..... 185 LBS.

TYPE "W"

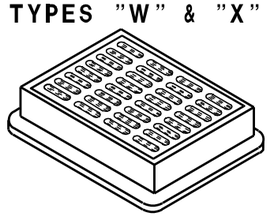


TYPE "X"

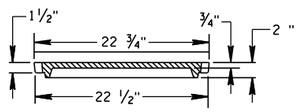
(APPROX. WEIGHT - 470 LBS.)

ALTERNATE GRATE
(FOR EXPRESSWAY RAMPS)

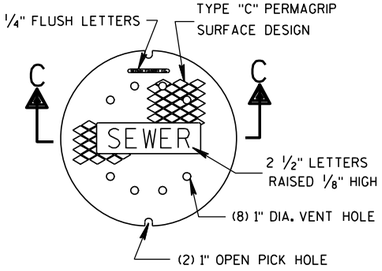
TYPES "W" & "X"

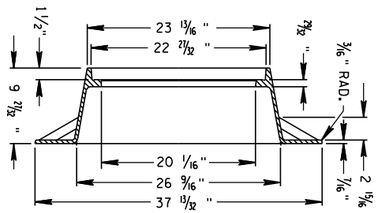


MANHOLE COVER



SECTION C-C

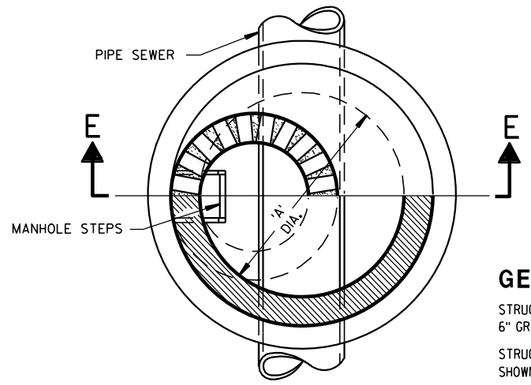




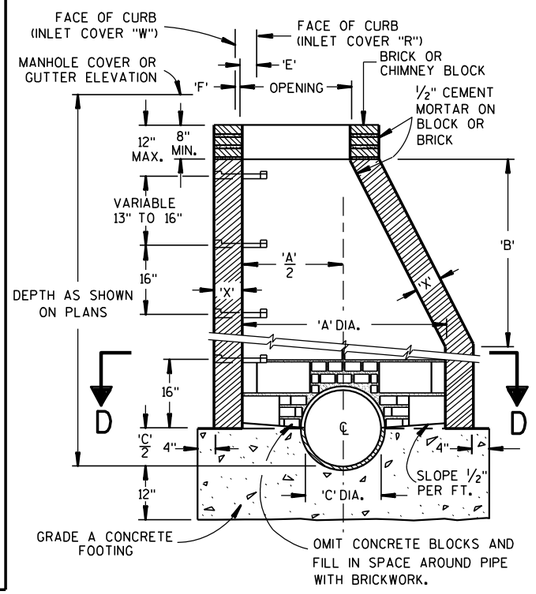
TYPE "Q"

(APPROX. WEIGHT - 290 LBS.)

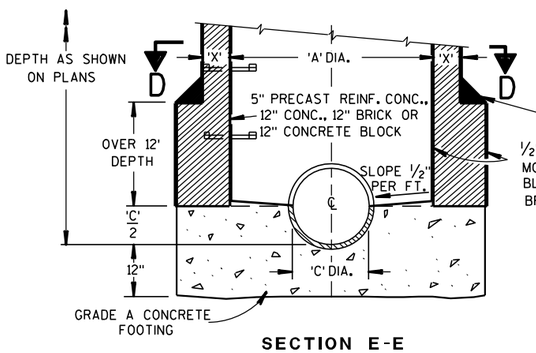
MANHOLE



HALF SECTION D-D



SECTION E-E



SECTION E-E

TYPES 11, 12, 13 & 14

TABLE OF OPENING DIMENSIONS

COVER TYPE	COVER DESCRIPTION	OPENING	'E'	'F'
"O"	ROUND	2'-2" DIA.	—	—
"W"	CURB BOX	1'-8" X 2'-6"	—	1"
"X"	INLET	1'-10" X 2'-6"	—	—
"R"	CURB BOX	2'-0" X 2'-1"	4"	—

TABLE OF DIMENSIONS

TYPE	'A'	'B'	'C'
11	3'-6"	2'-8"	12" - 36"*
12	4'-0"	3'-8"	12" - 42"**
13	5'-0"	5'-8"	42" - 48"
14	6'-0"	7'-8"	54" - 60"

* 12" - 21" FOR PRECAST MANHOLES
** 12" - 24" FOR PRECAST MANHOLES

THE FIRST STEP SHALL BE PLACED 16" ABOVE THE BENCH.

GENERAL NOTES

STRUCTURE WALL THICKNESS 'X' TO BE 8" BRICK, 6" CONCRETE BLOCK, 6" GRADE A CONCRETE OR 5" PRECAST REINFORCED CONCRETE.

STRUCTURE FOOTINGS ARE TO BE GRADE A CONCRETE OF THE THICKNESS SHOWN IN THE DETAIL OR 5" PRECAST REINFORCED CONCRETE.

REINFORCEMENT FOR 5" PRECAST REINFORCED CONCRETE SHALL BE 6" X 6" W16 X W16 WELDED SREEL WIRE FABRIC AND SHALL BE EMBEDDED 2" CLEAR.

PRECAST INLET UNITS AND BASES SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

PRECAST CONCRETE FLAT SLAB TOPS MAY BE USED ON THE STRUCTURES. THE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

PRECAST REINFORCED BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6" IN DEPTH, WHICH MEETS THE REQUIREMENTS FOR GRANULAR BACK-FILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

SET FRAME ELEVATION 0.03 FT. LOWER THAN ELEVATION INDICATED ON THE PLANS.

THE CONTRACTOR MAY FORM AND POUR MONOLITHIC CONCRETE INVERT PROVIDED THE PIPE ENDS ARE EXTENDED INTO THE M.H. AND NOT TERMINATED WITHIN THE M.H. WALLS.

MANHOLE STEPS

STEPS MEETING THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH; 16 INCH C-C MAX. SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM WALL EMBEDMENT OF 3 INCHES IN PRECAST MANHOLE AND 6 INCHES IN 8 INCH BRICK OR 6 INCH BLOCK MANHOLE; TREAD OF STEP SHALL HAVE A NON-SKID SURFACE AND BE FLANKED BY CLEATS, WITH A MINIMUM OF 10 INCHES CLEAR BETWEEN CLEATS, TO PREVENT FOOT SLIPPING OFF THE EDGE CLEATS SHALL BE A MINIMUM OF 3/4 INCH HIGH BY 3/4 INCH WIDE HAVING A MINIMUM THICKNESS OF 3/8 INCH. STEPS SHALL BE CAPABLE OF SUPPORTING A CONCENTRATED LOAD OF 300 LBS. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

SOLID ALUMINUM STEPS SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 0.75 INCH. ALUMINUM SURFACES TO BE EMBEDDED IN CONCRETE SHALL BE GIVEN ONE COAT OF SUITABLE QUALITY PAINT, SUCH AS ZINC CHROMATE PRIMER CONFORMING TO FEDERAL SPECIFICATION TT-P-645 OR EQUIVALENT. STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCING BAR WILL BE ACCEPTABLE.

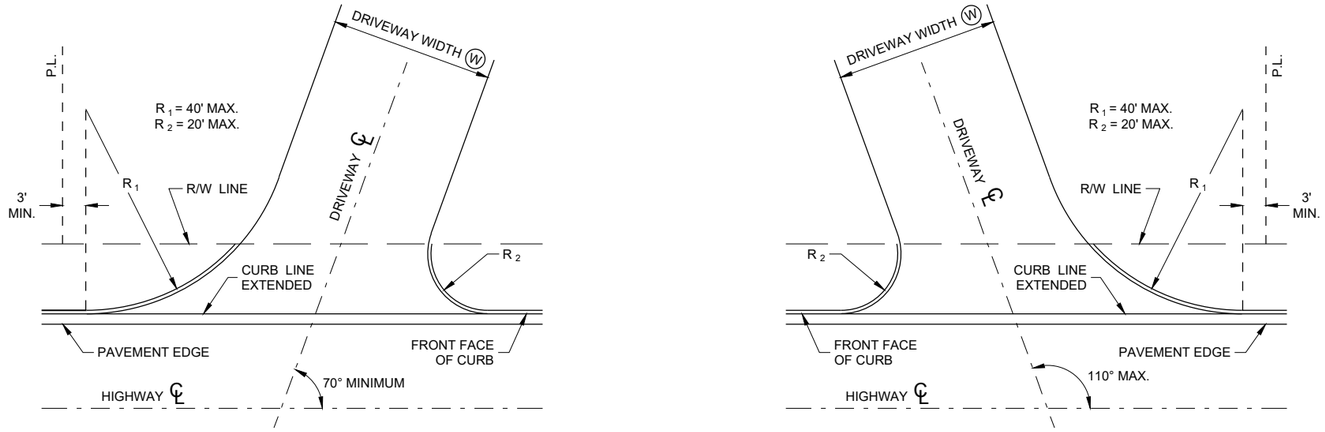
MANHOLES, MANHOLE & INLET COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/12/2011 — DATE
/S/ Jerry H. Zogg — ROADSIDE STANDARDS ENGINEER
FHWA

S.D.D. 8 D 17-6

S.D.D. 8 D 17-6



SKEWED DRIVEWAY DETAILS (COMMERCIAL AND NON-COMMERCIAL)

SIDEWALK NOT SHOWN

GENERAL 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.

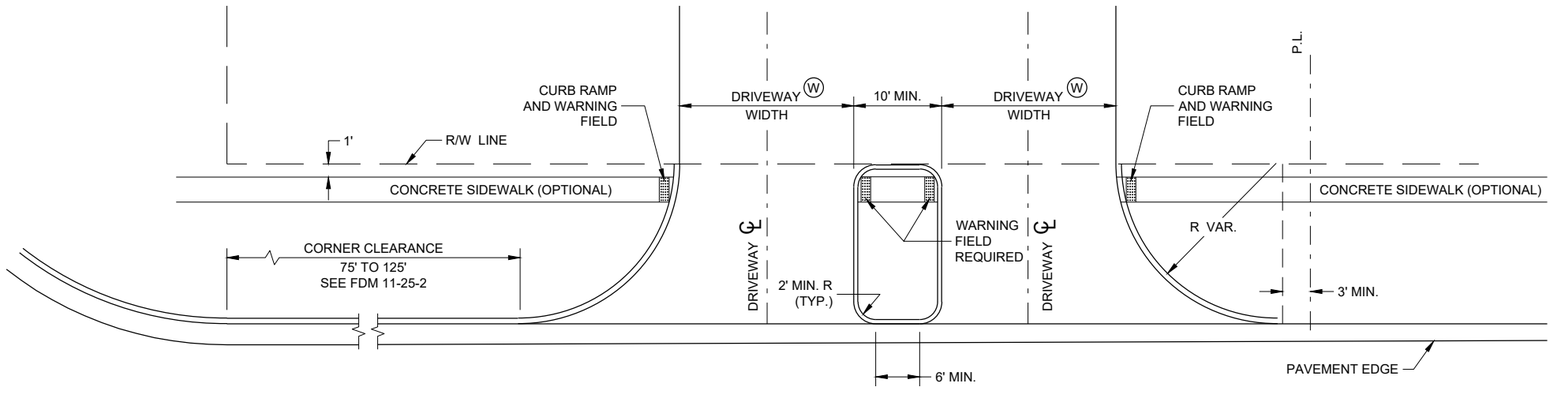
THE MINIMUM ANGLE OF INTERSECTION BETWEEN THE DRIVEWAY AND HIGHWAY CENTERLINES SHALL BE 70°.

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.

(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)



DRIVEWAY LOCATION AND SPACING DETAILS

SIDEWALK SHOWN

DRIVEWAYS WITH CURB AND GUTTER RETURNS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

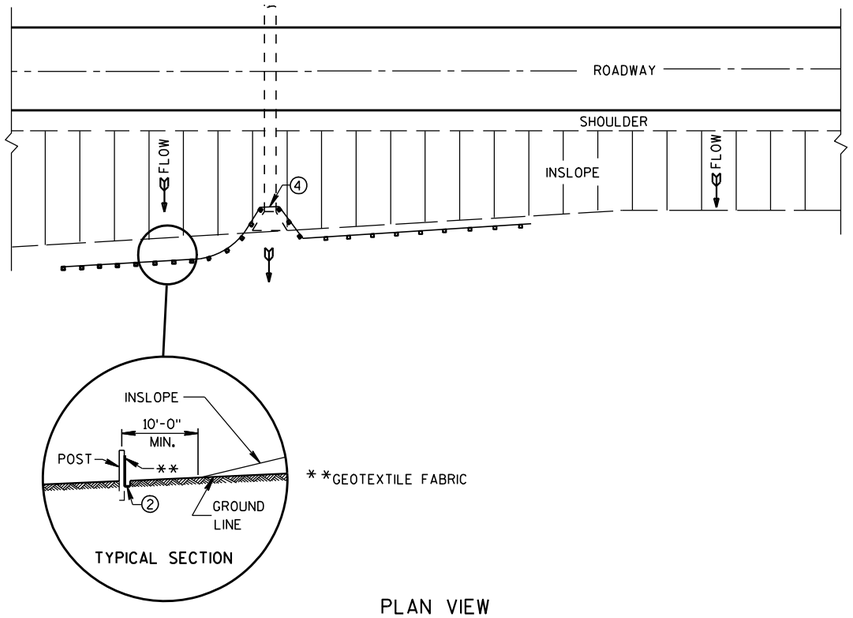
00-00-00
DATE

/S/ <AUTHOR>
ROADWAY STANDARDS DEVE ENGINEER

FHWA

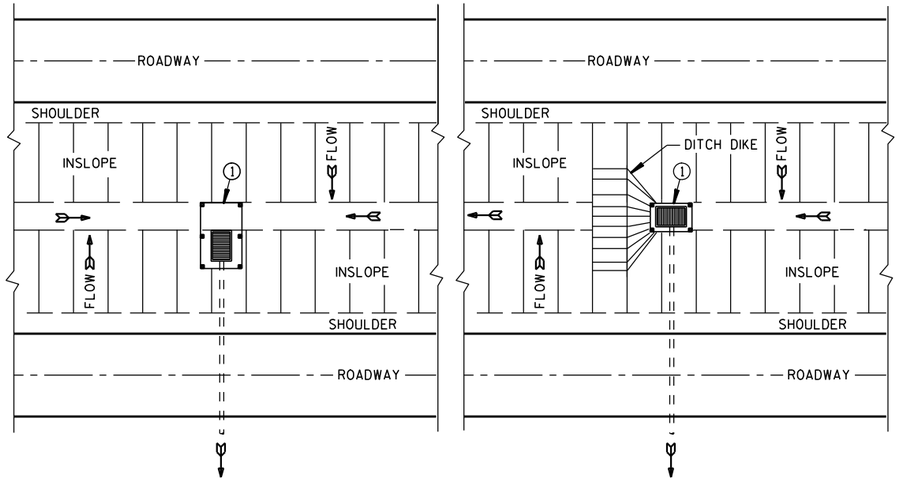
6

SDD 08D20 - 01



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



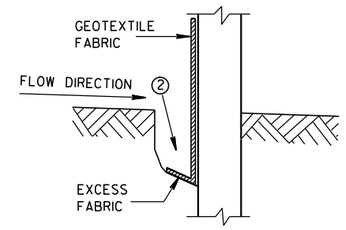
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

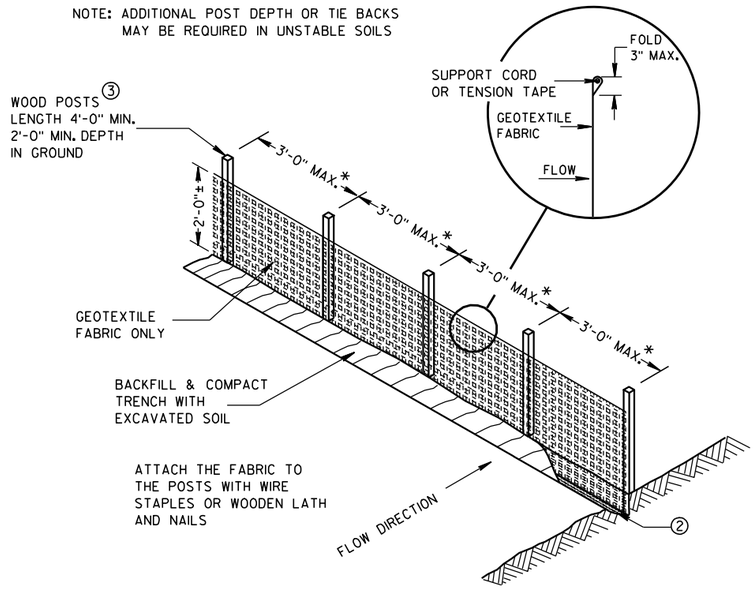
GENERAL NOTES

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

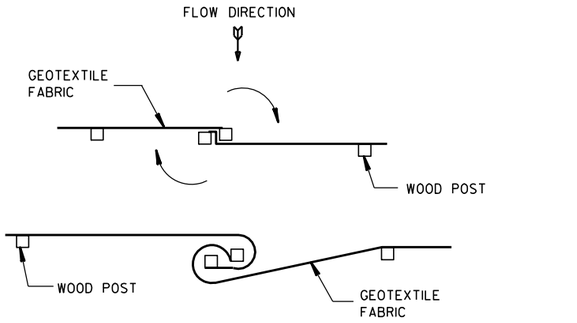
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL 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.



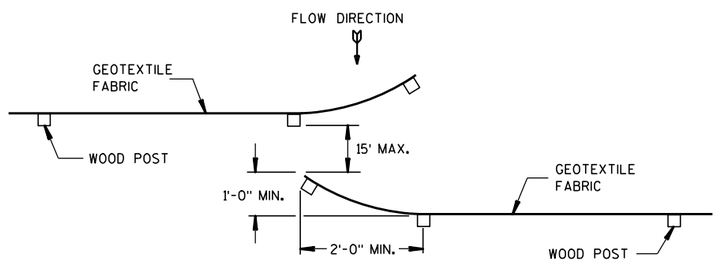
TRENCH DETAIL



SILT FENCE

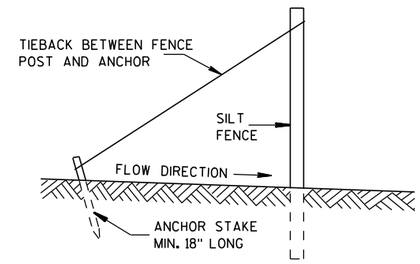


TWIST METHOD



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

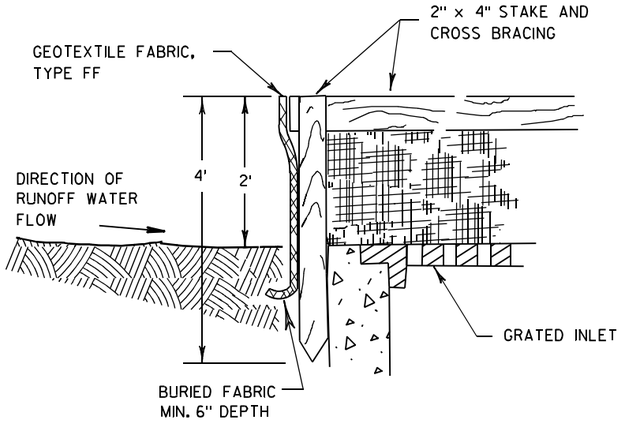
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

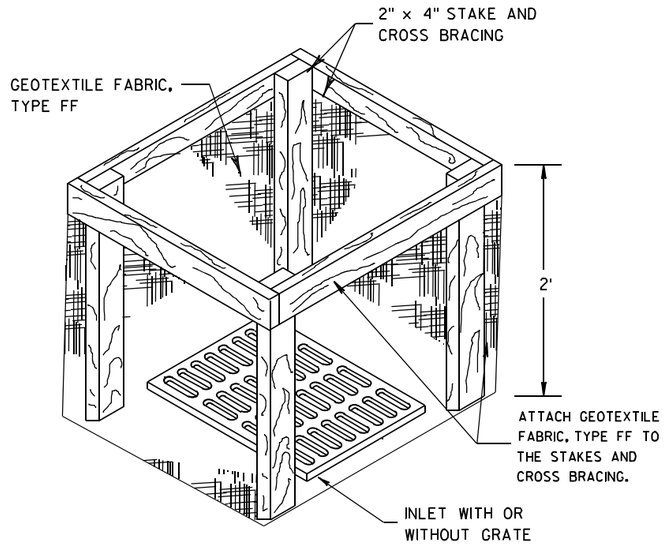
6

S.D.D. 8 E 9-6

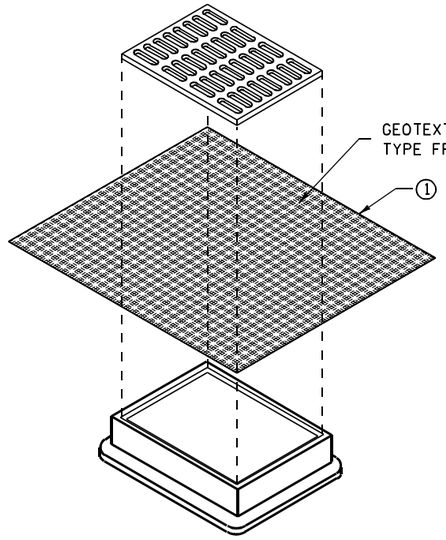
6

S.D.D. 8 E 9-6



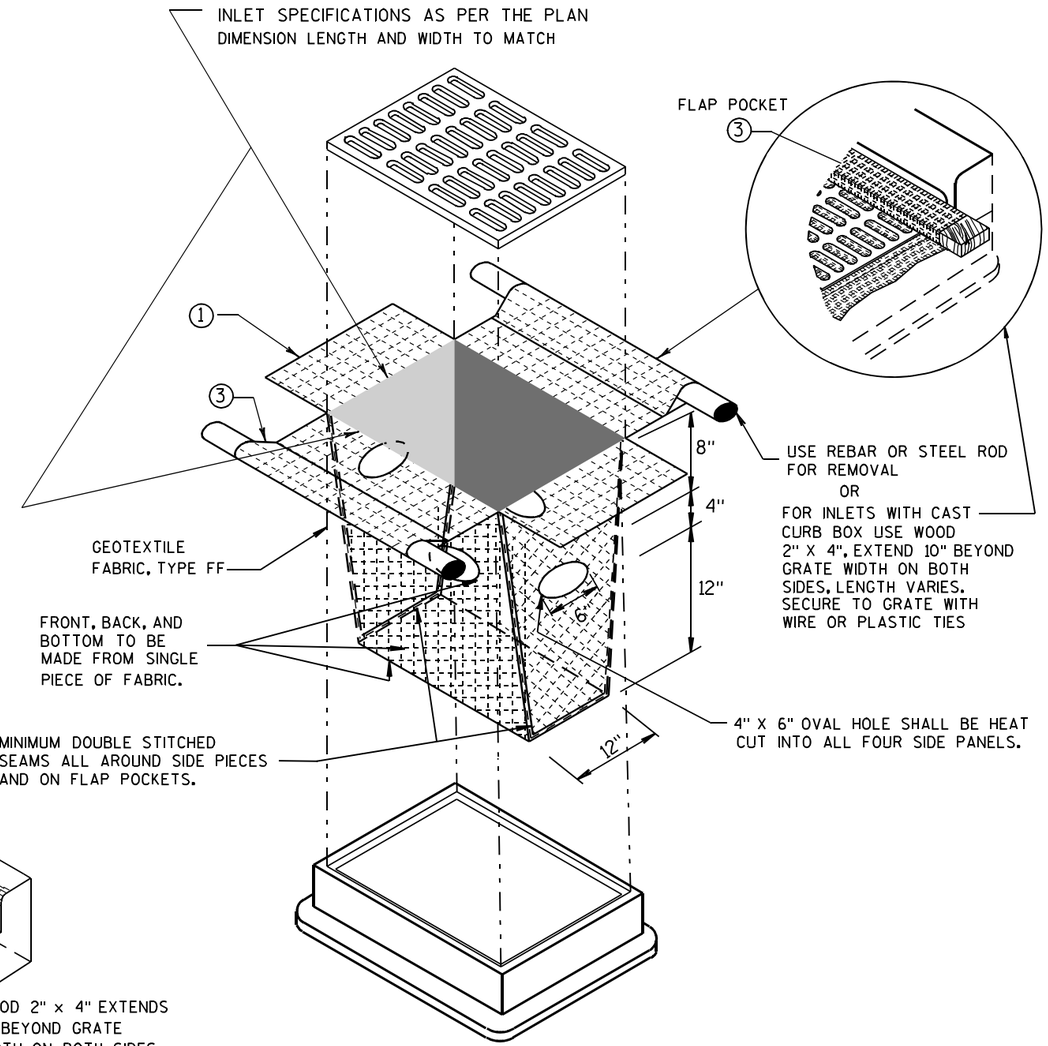


INLET PROTECTION, TYPE A



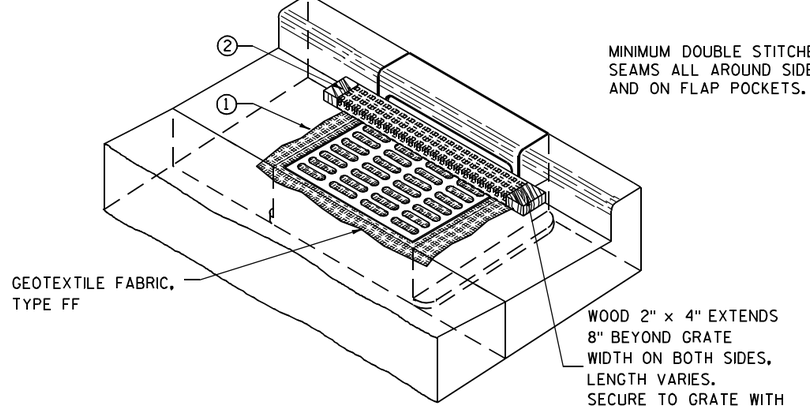
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)



INLET PROTECTION, TYPE C (WITH CURB BOX)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

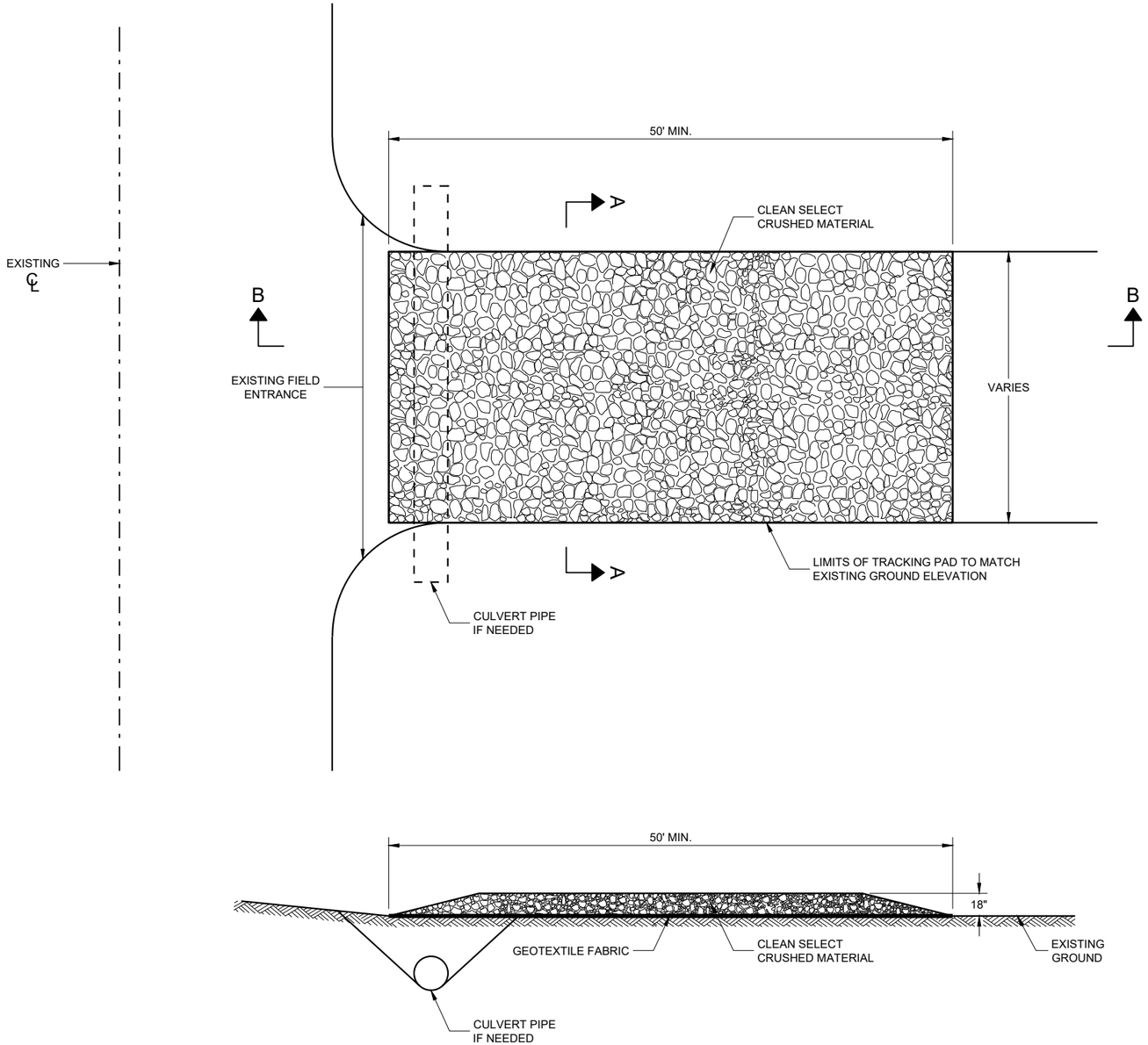
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 10-2



SECTION B - B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

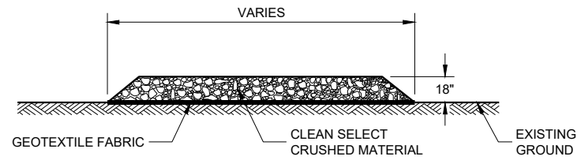
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

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SDD 08E14 - 01

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/24/2011
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

FHWA

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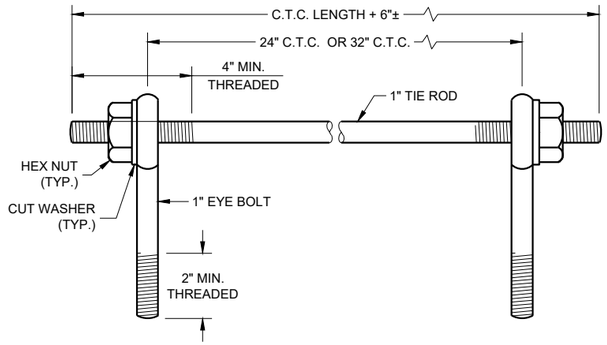
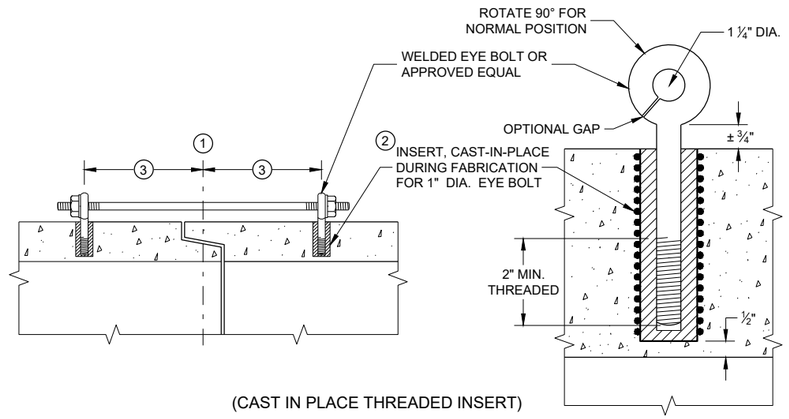
SDD 08E14 - 01



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

(1) CENTER LINE OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

(2) THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

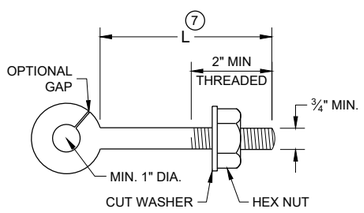
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

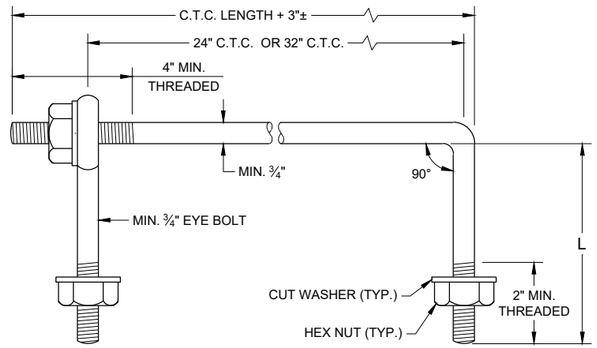
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

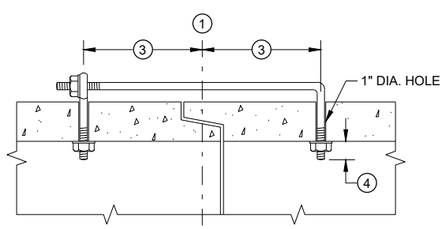


EYE BOLT (7)

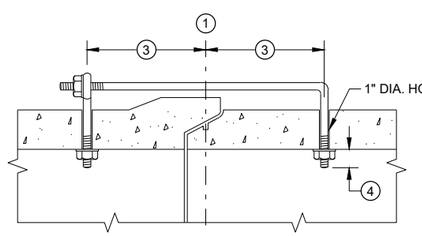
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

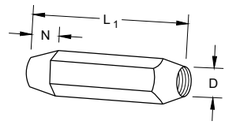
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



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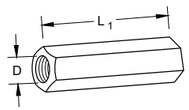
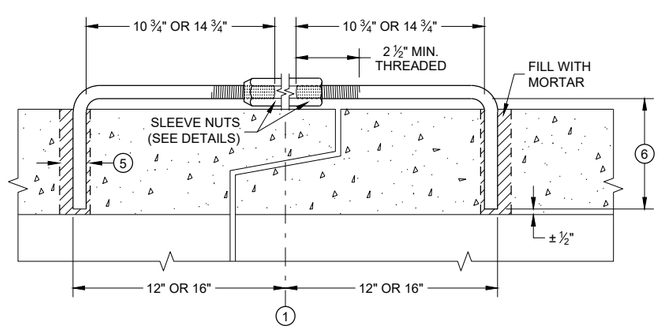


PLAIN

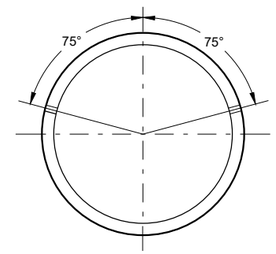
RIGHT AND LEFT THREADS

SLEEVE NUTS



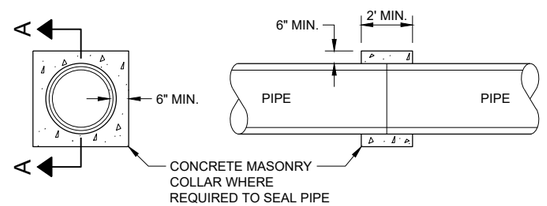
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A - A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

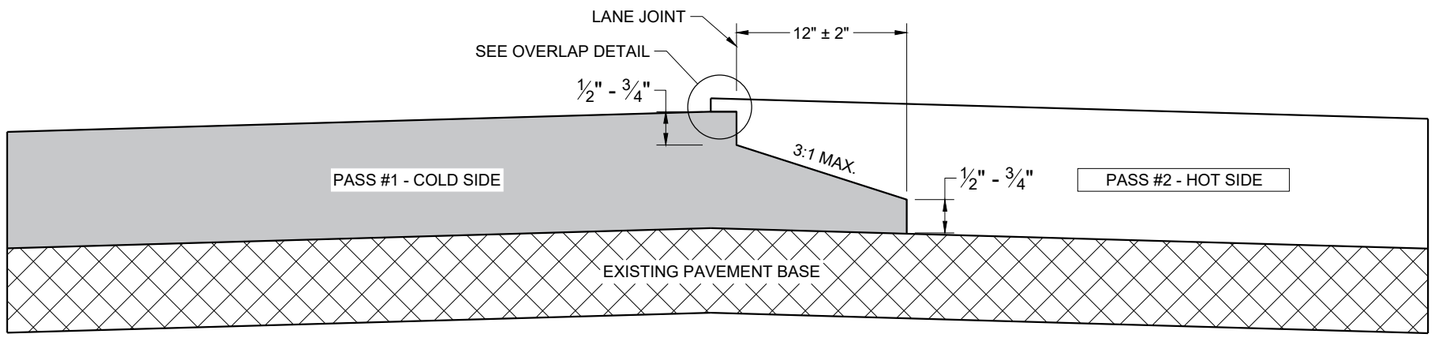
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

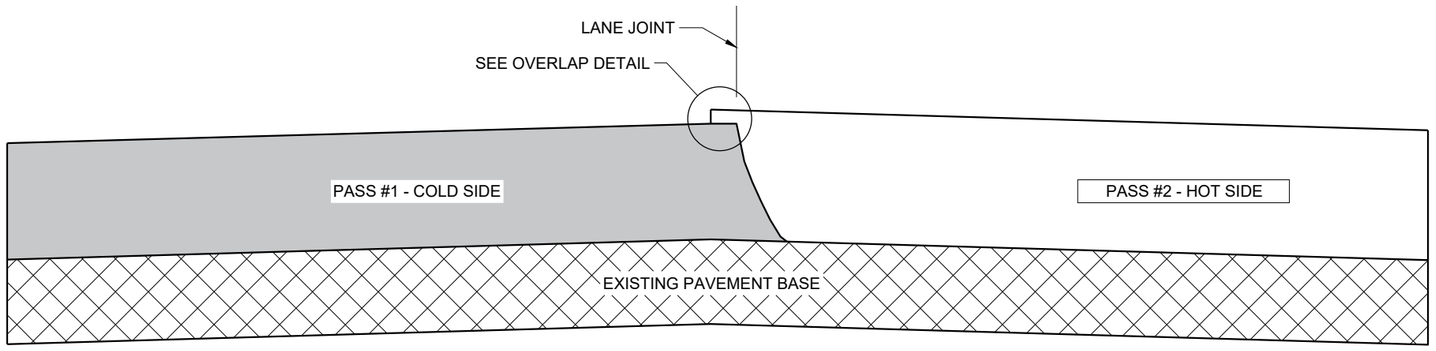
FHWA

SDD 08F04 - 08

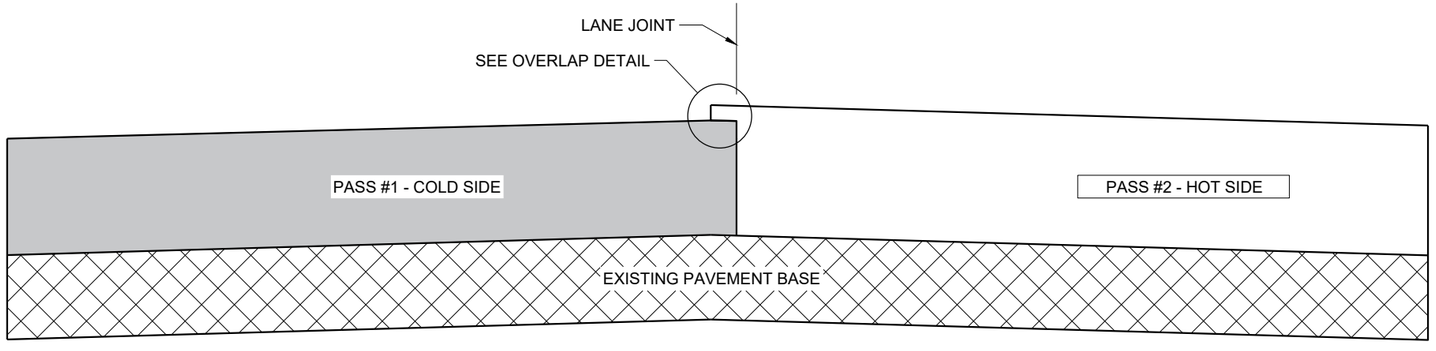
SDD 08F04 - 08



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

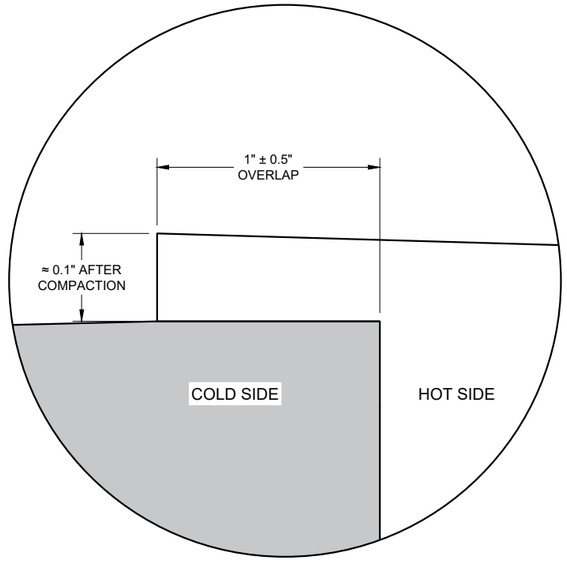
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

6

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SDD 13C19 - 03

SDD 13C19 - 03

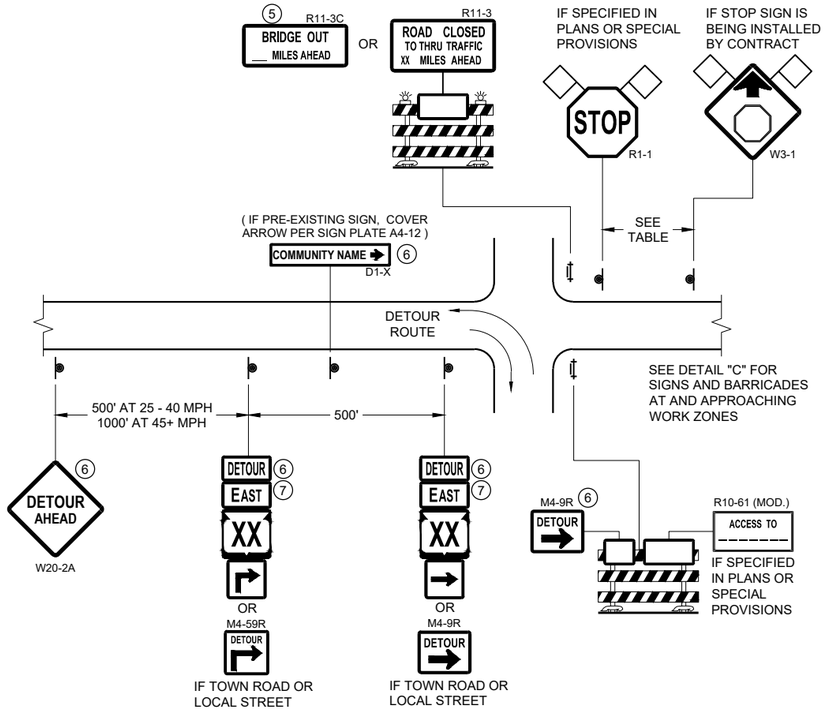
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

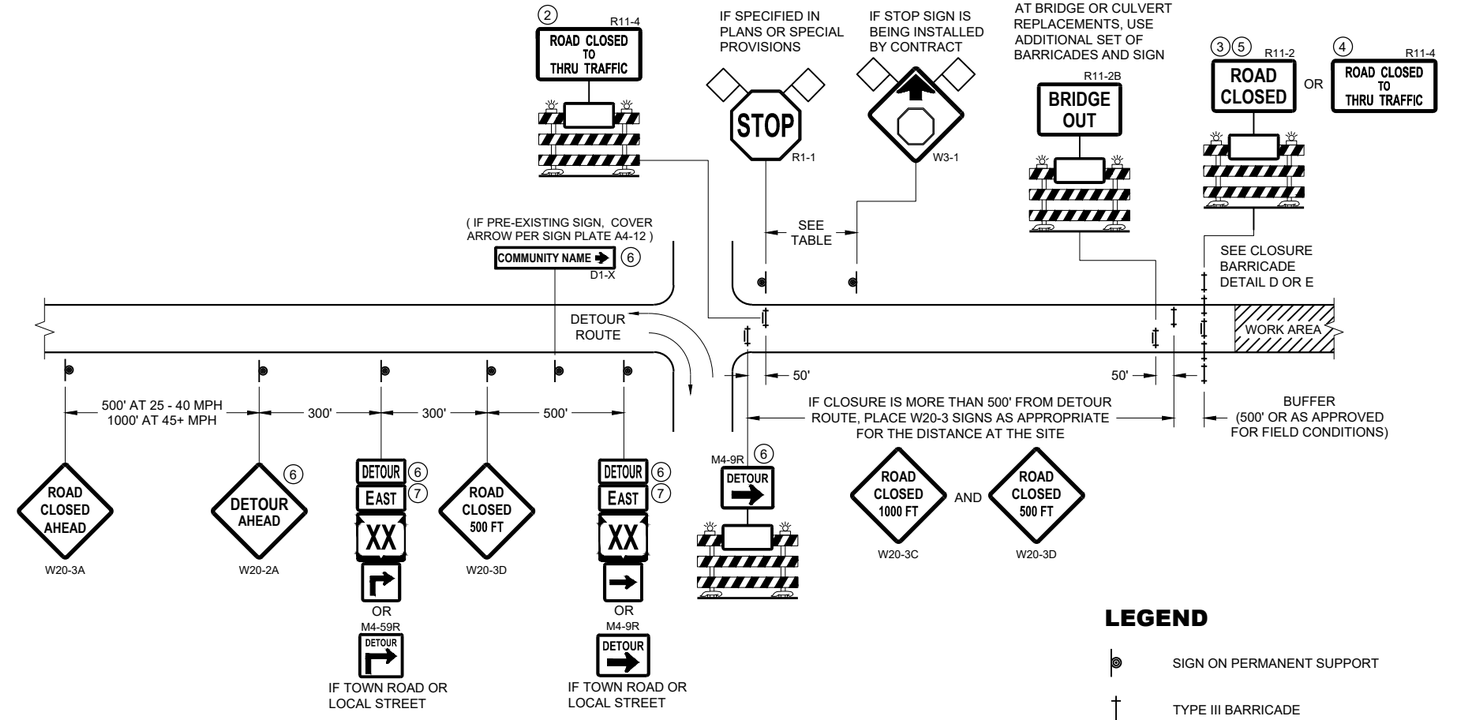
/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



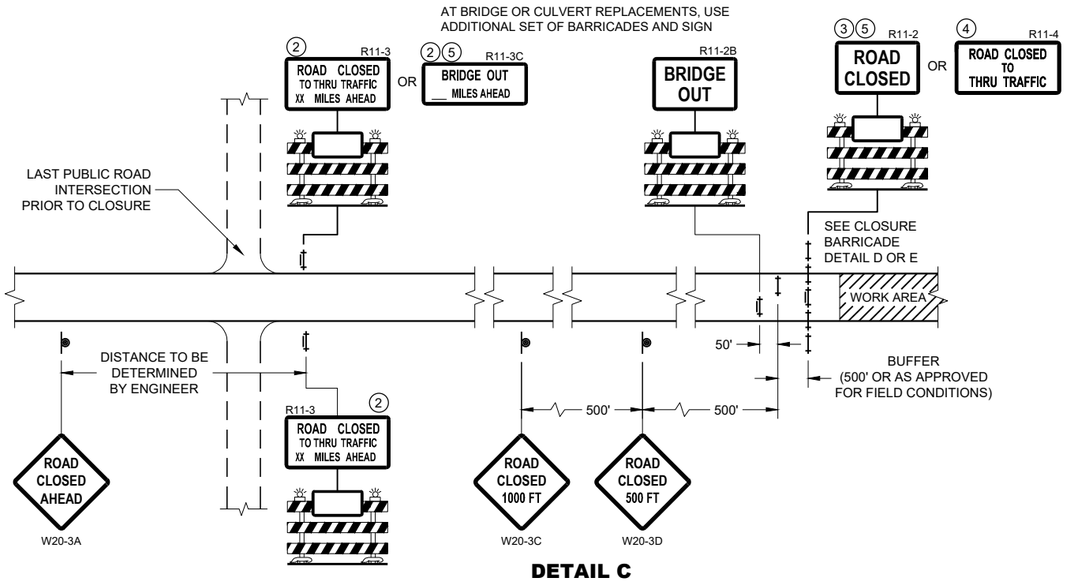
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

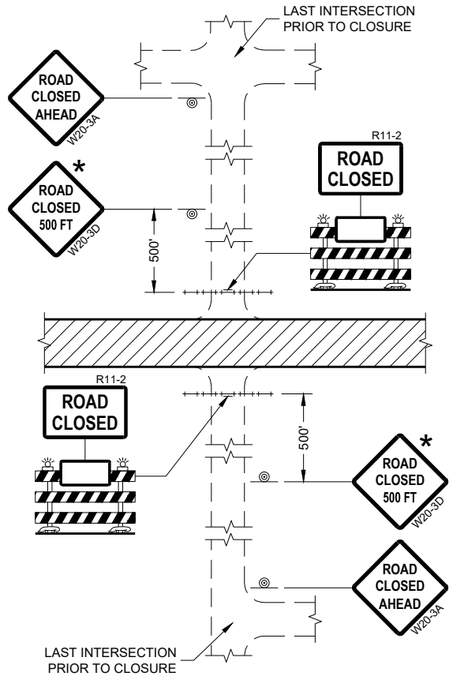
APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

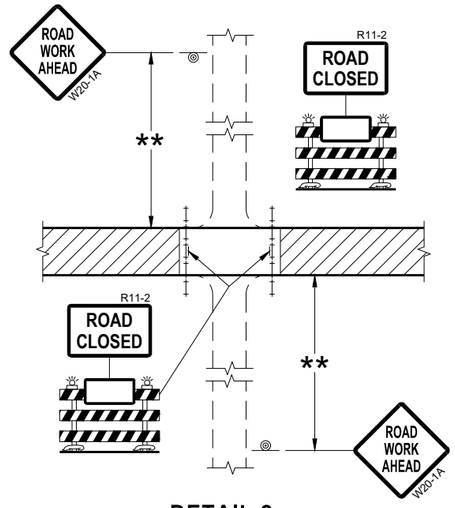
6

SDD 15C02 - 09a

SDD 15C02 - 09a



DETAIL 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.

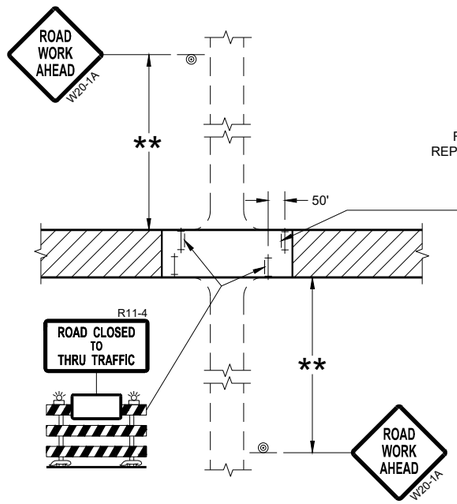
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

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

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

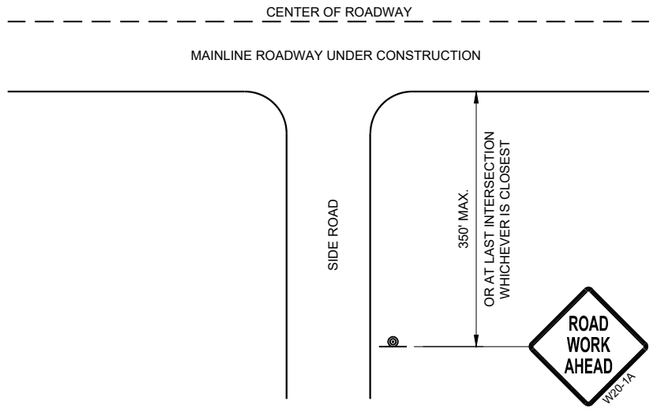
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



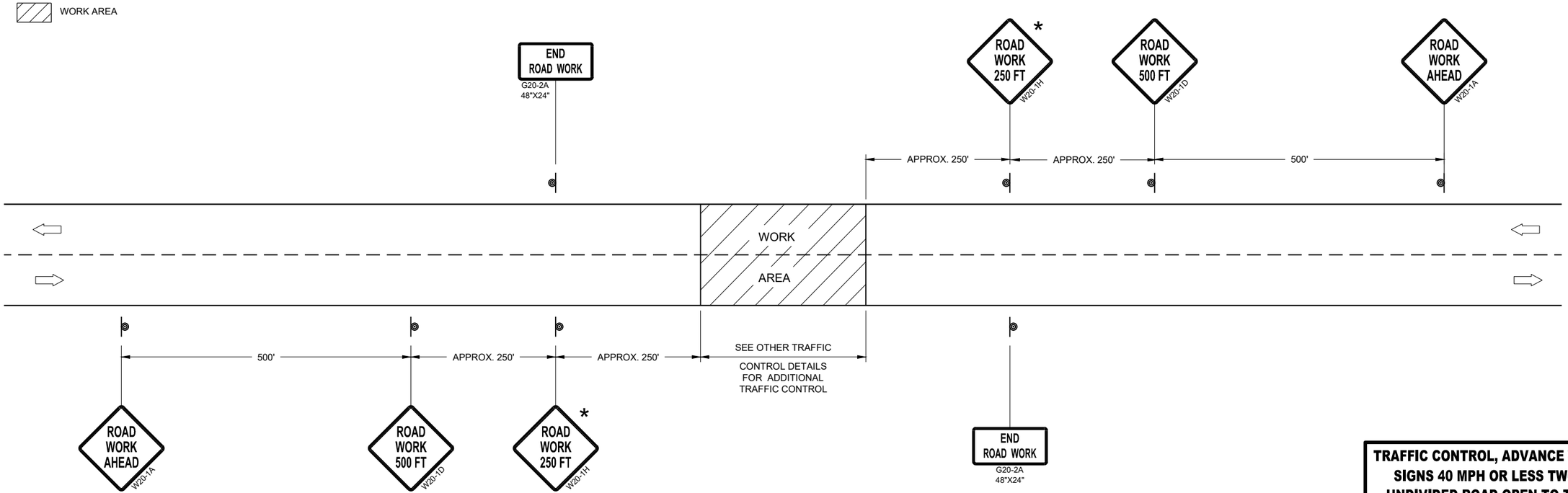
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

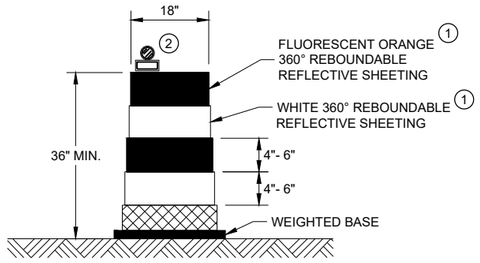
FHWA

6

SDD 15C05 - 05

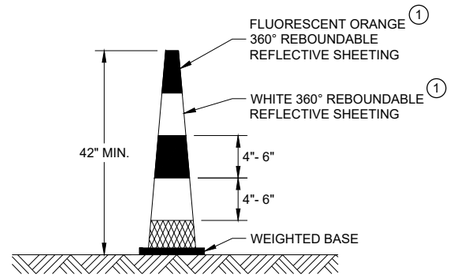
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

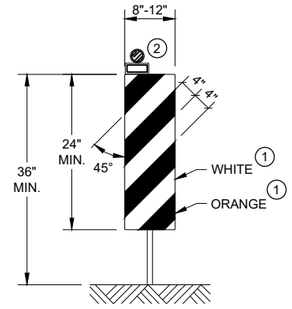
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

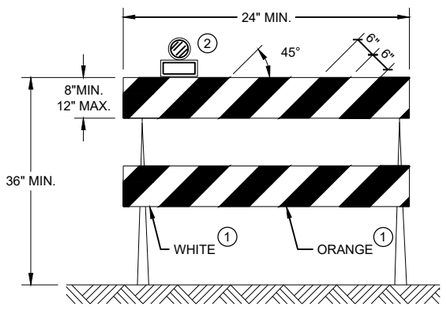
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



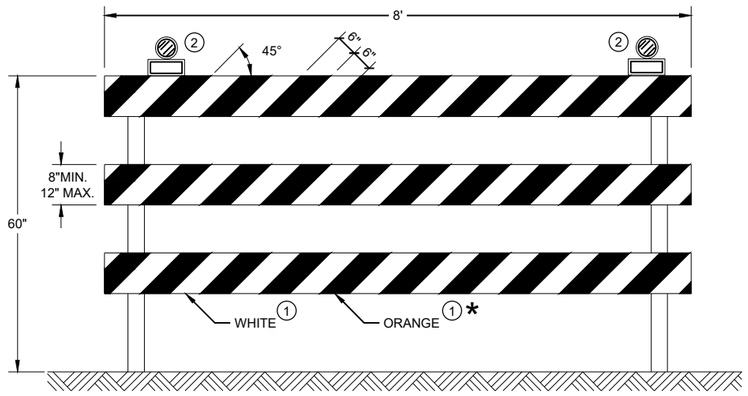
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

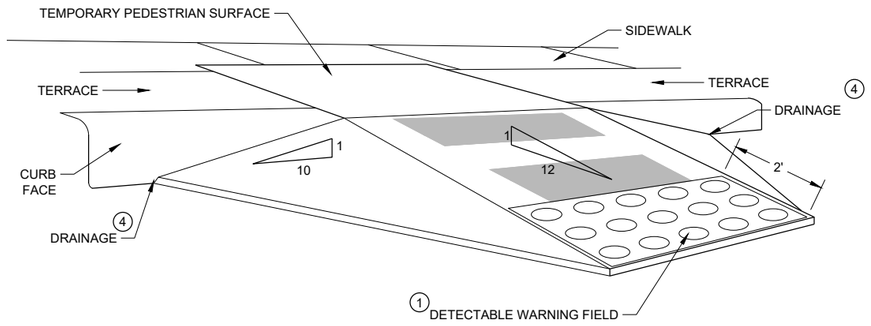
FHWA

6

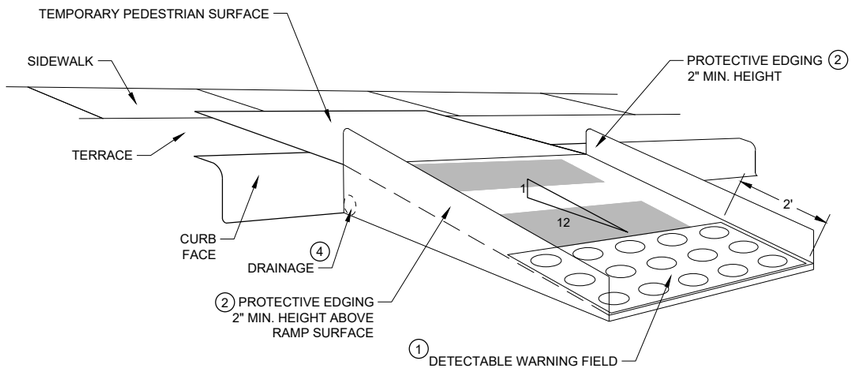
SDD 15C11 - 10b

6

SDD 15C11 - 10b



WITH SIDE APRON (5)



WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

CURB RAMPS SHALL BE 48" MINIMUM WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS

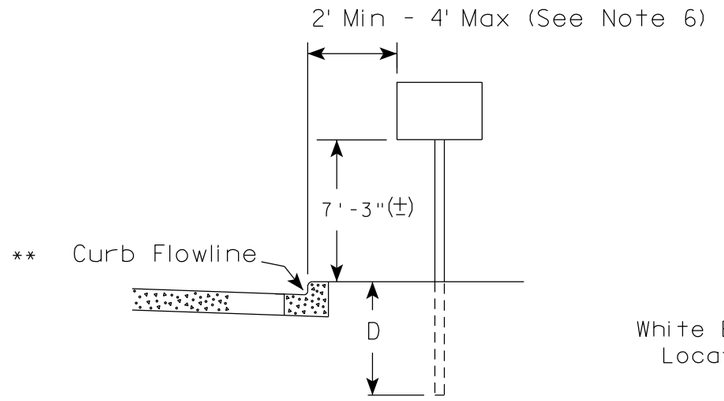
(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

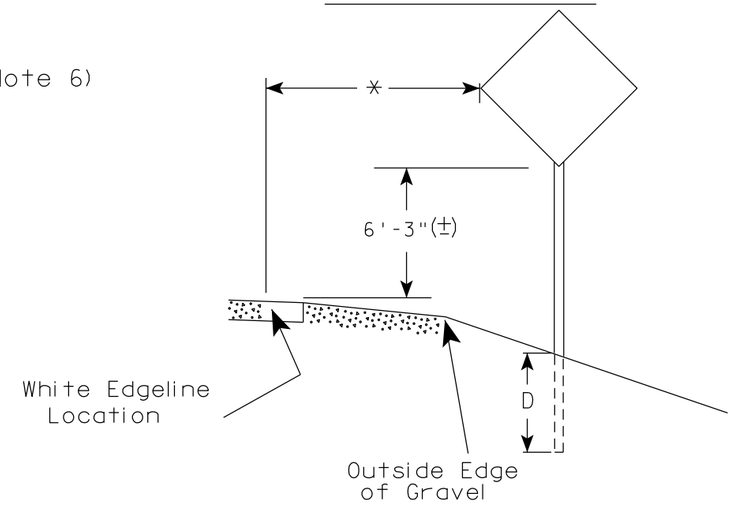
(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

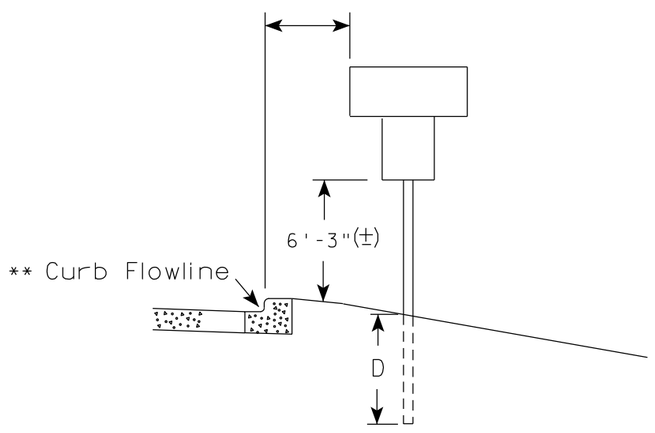
(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

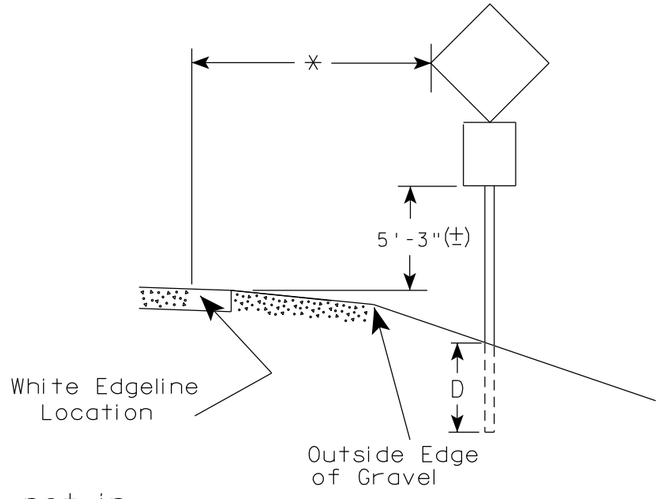
URBAN AREA



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.

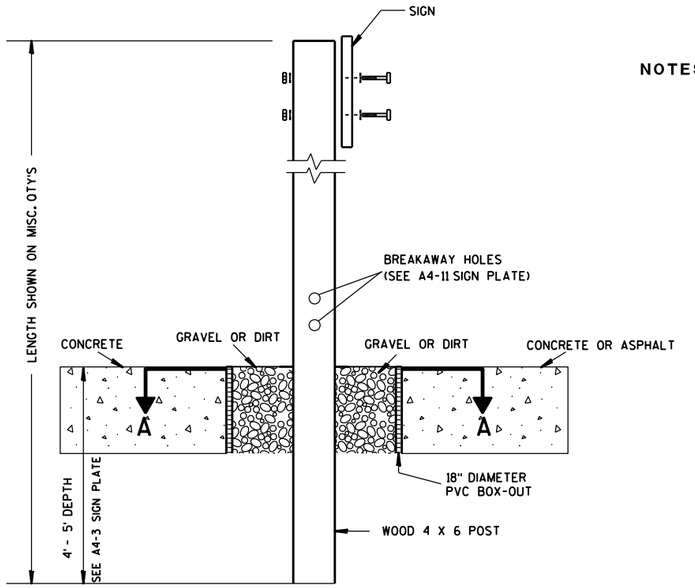
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

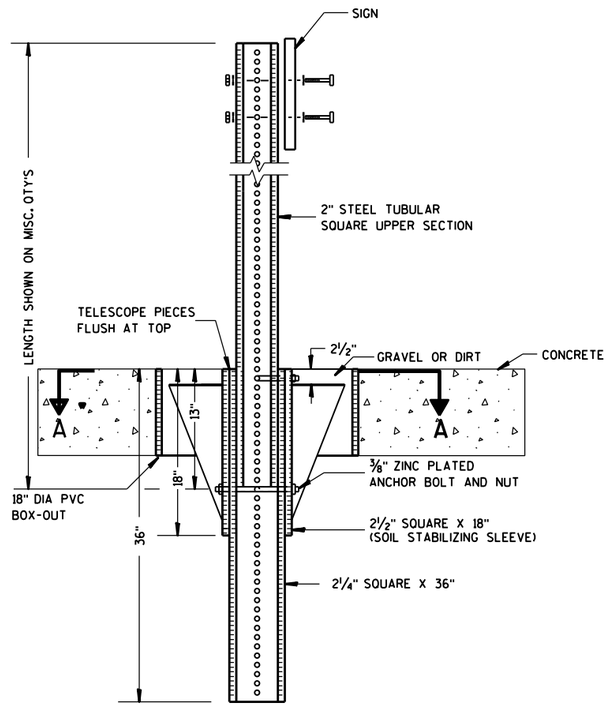
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 83	E



ELEVATION VIEW

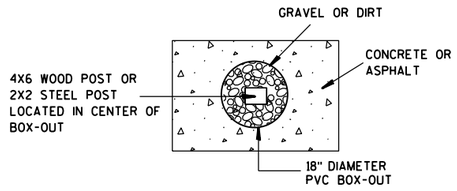
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

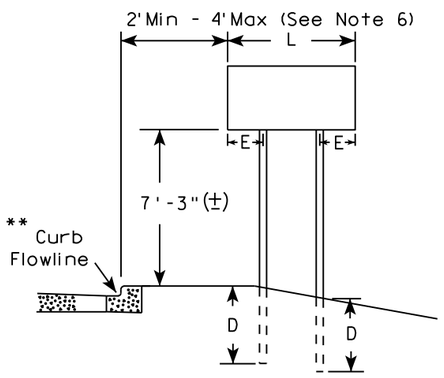
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

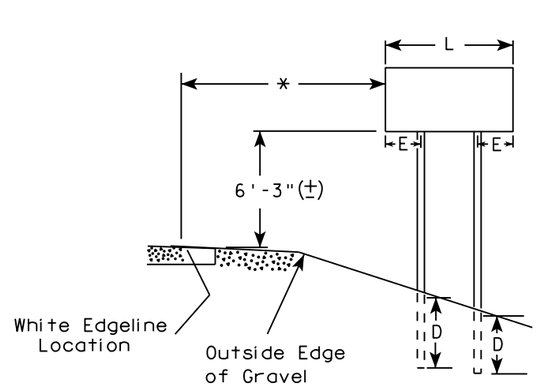
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

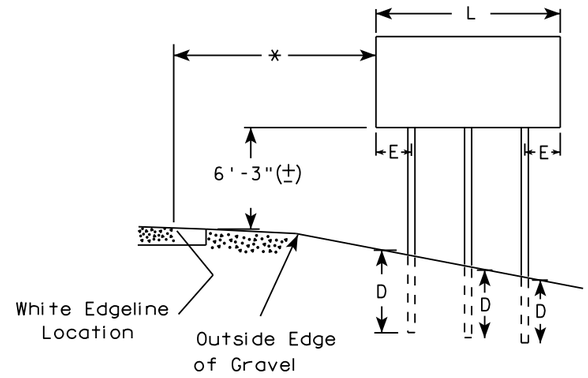
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

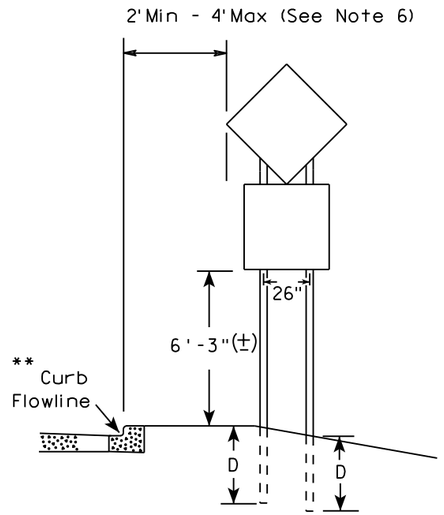
URBAN AREA



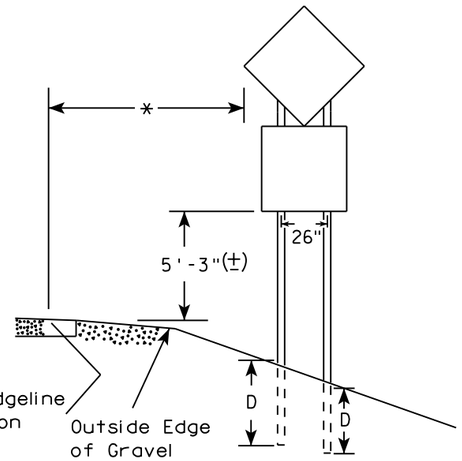
RURAL AREA (See Note 3)







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'

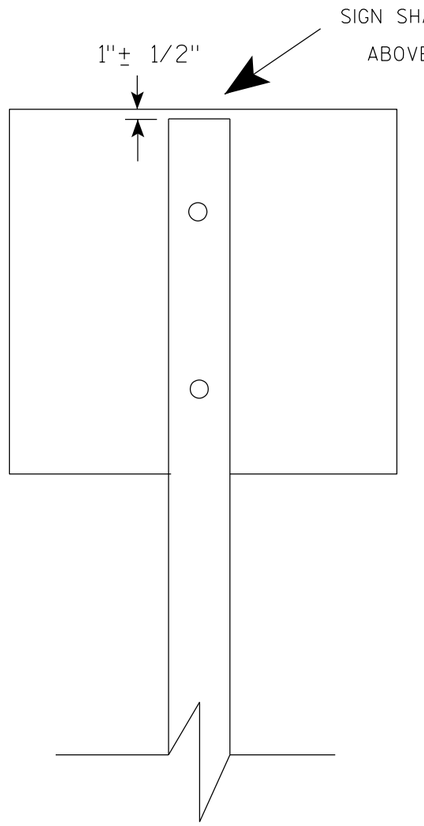
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

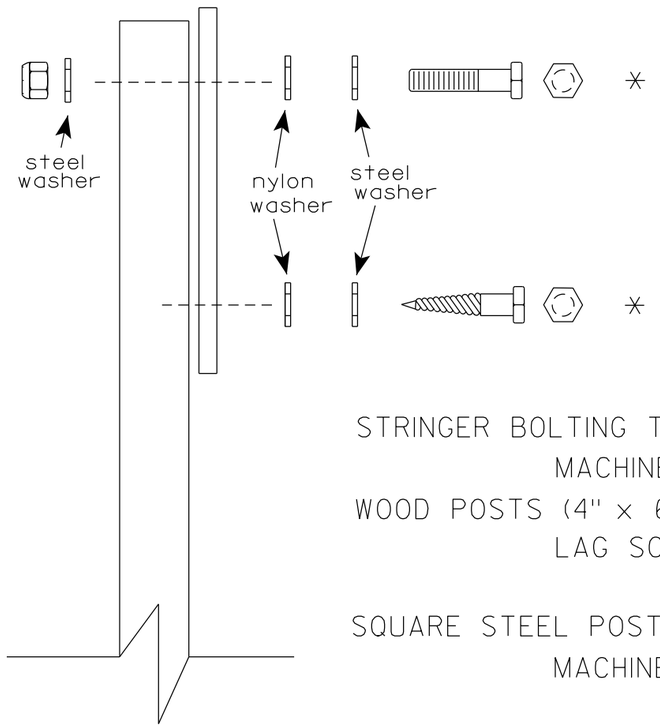
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 85	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

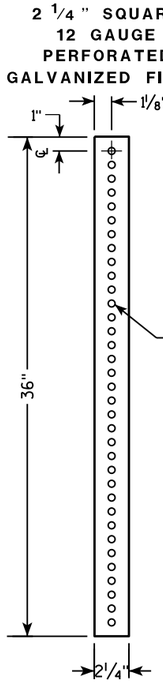
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

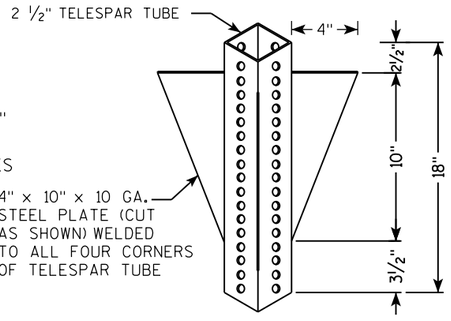
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

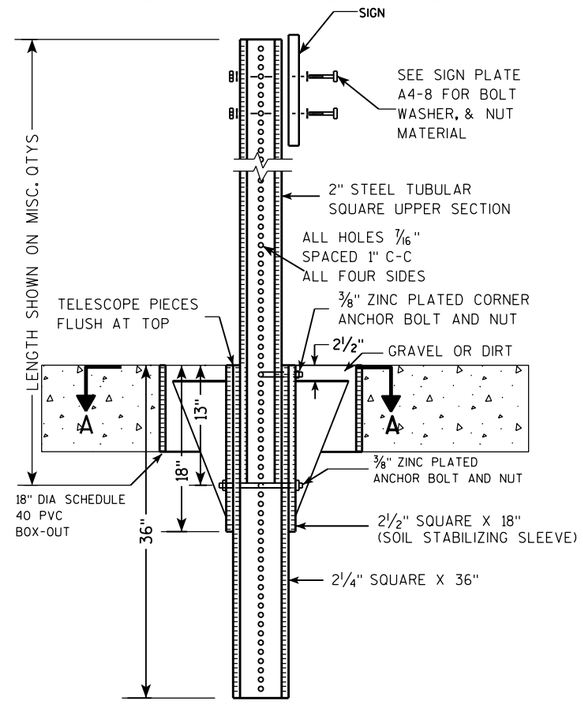
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



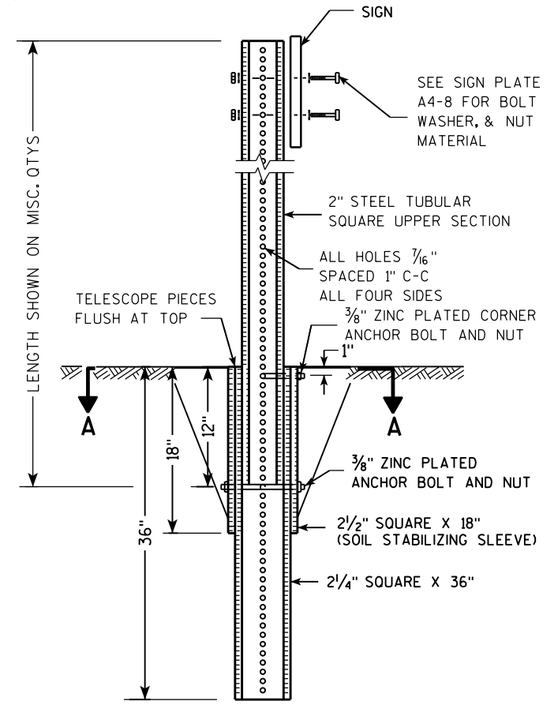
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

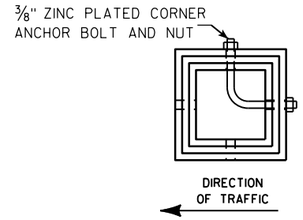


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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

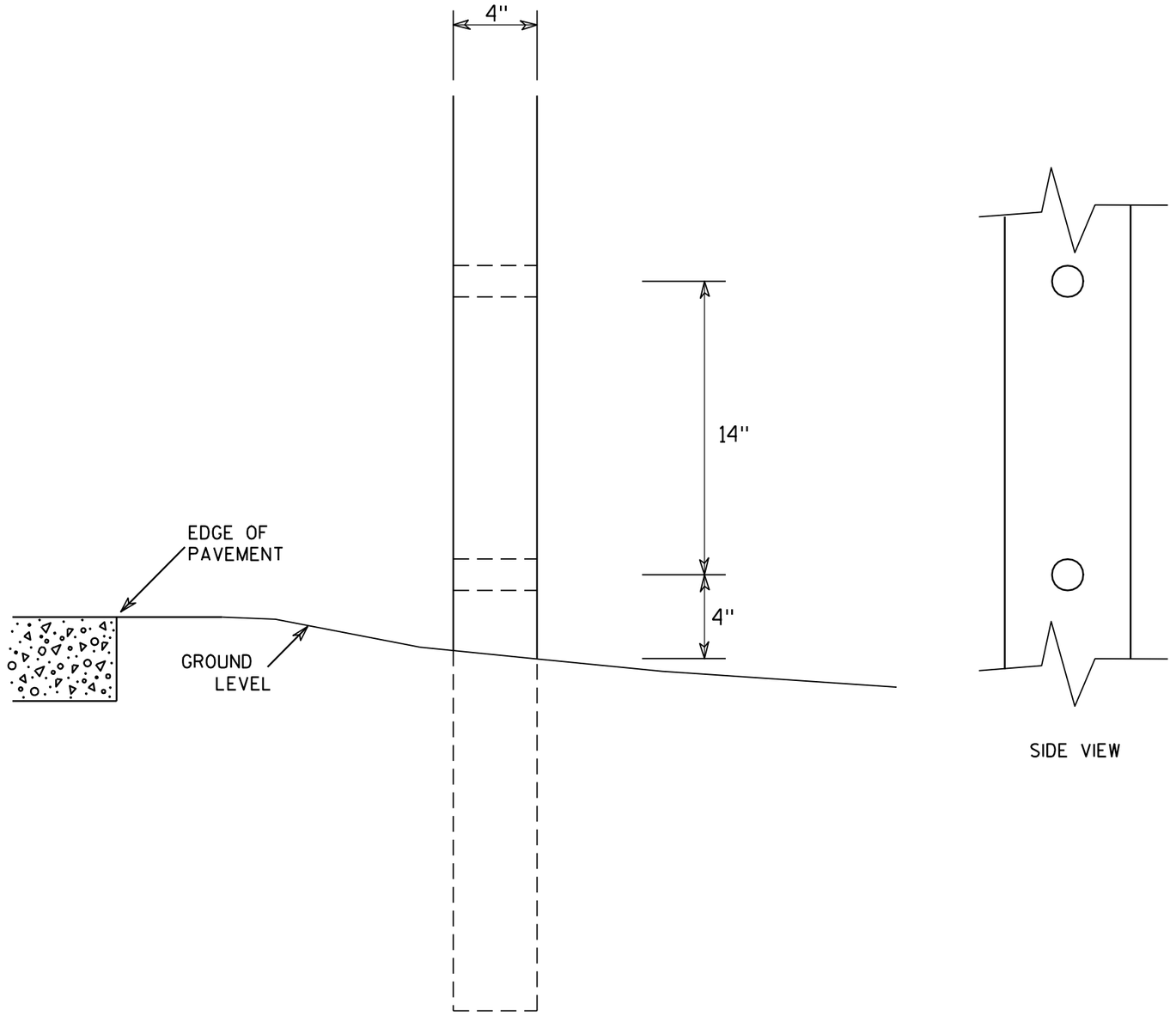
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 87 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000

WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

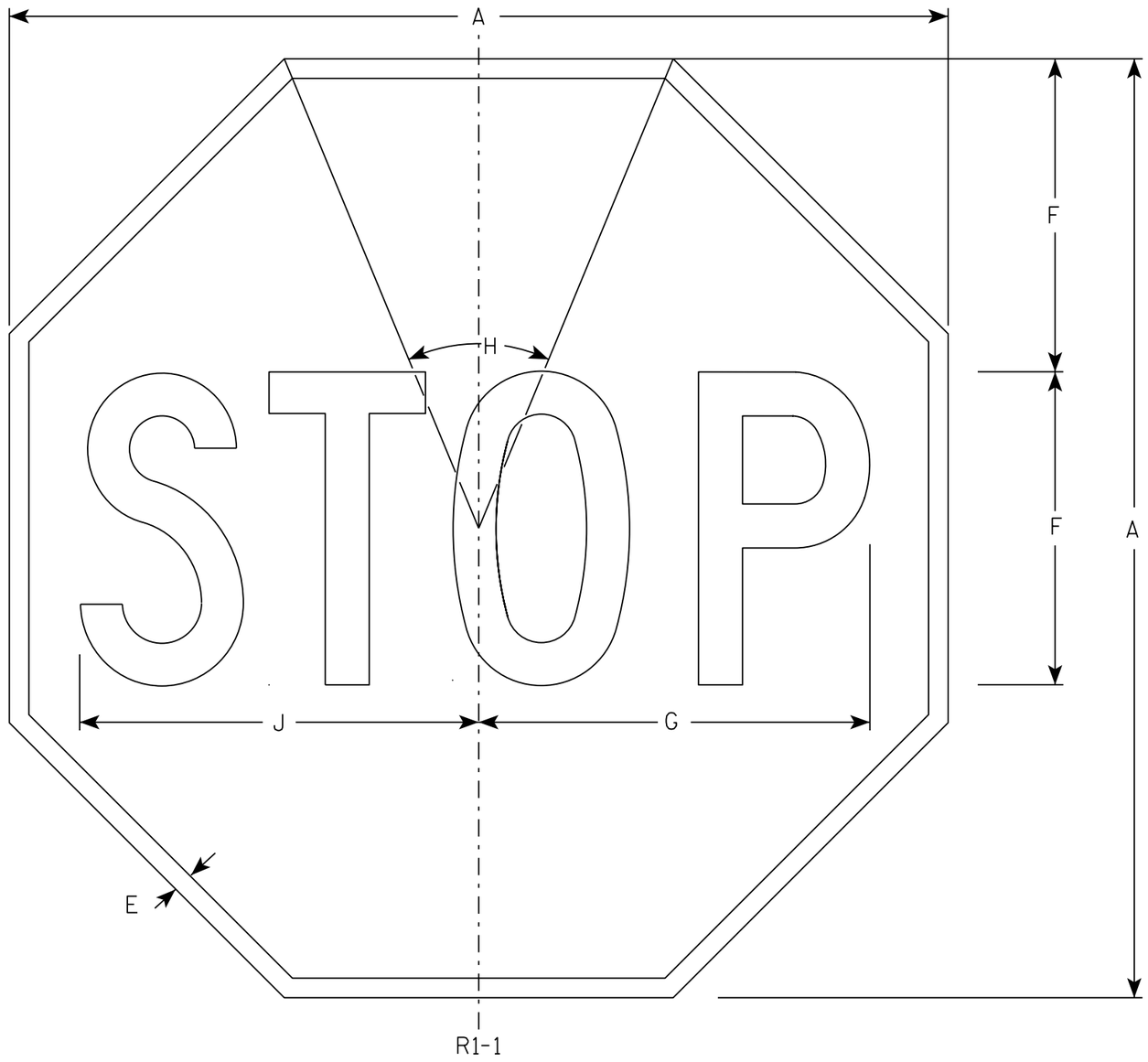
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 88	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

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

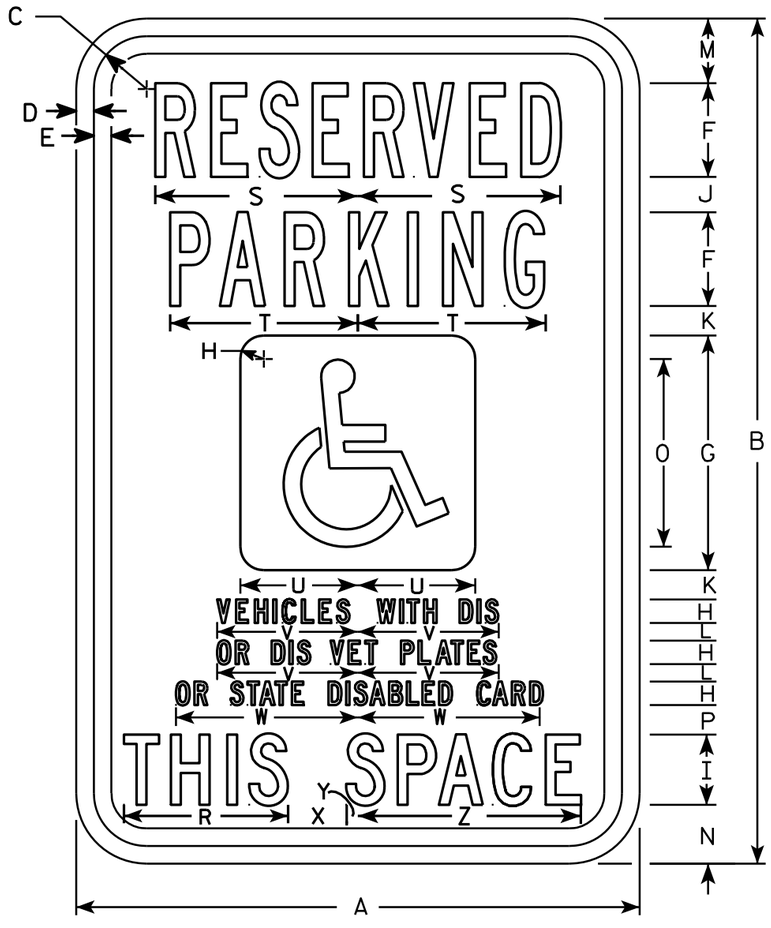
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 89	E



R7-8A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Sign is white Type H Reflective; paraplegic background is blue.
   Message - Legend and border are green; paraplegic symbol is white
3. Message Series - Lines 1 & 2 are Series B
   Lines 3, 4, 5 & 6 are 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	12	18	1 1/8	3/8	3/8	2	5	1/2	1 1/2	3/4	5/8	3/8	1 3/8	1 1/4	4	5/8		3 1/2	4 3/8	4	2 1/2	3	3 7/8	1 1/4	1/4	4 3/4	1.5
2M	18	24	1 1/8	3/8	1/2	3	6	3/4	2	7/8	5/8	1/2	1 7/8	2	5	3/4		4 5/8	6 1/2	5 3/8	3	4 1/2	5 7/8	1 1/2	1/4	6 3/8	3.0
3	18	24	1 1/8	3/8	1/2	3	6	3/4	2	7/8	5/8	1/2	1 7/8	2	5	3/4		4 5/8	6 1/2	5 3/8	3	4 1/2	5 7/8	1 1/2	1/4	6 3/8	3.0
4																											
5																											

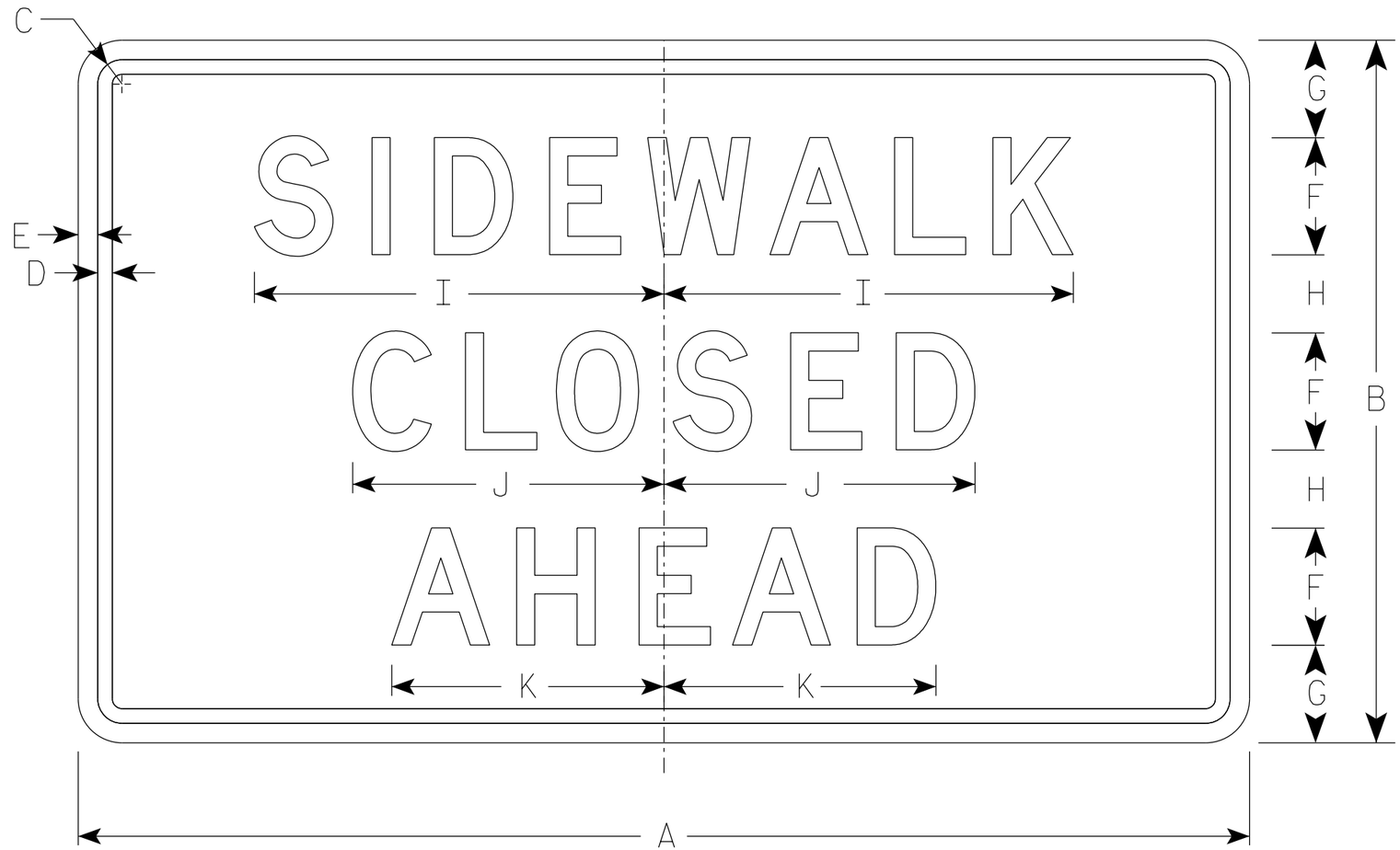
STANDARD SIGN
R7-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/25/2011 PLATE NO. R7-8A.6

PROJECT NO: | HWY: | COUNTY: | | SHEET NO: 90 | E



R9-9A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/8	3/8	1/2	3	2 1/2	2	10 1/2	8	7																3.75
2M	30	18	1 1/8	3/8	1/2	3	2 1/2	2	10 1/2	8	7																3.75
3																											
4																											
5																											

STANDARD SIGN
R9-9A

WISCONSIN DEPT OF TRANSPORTATION

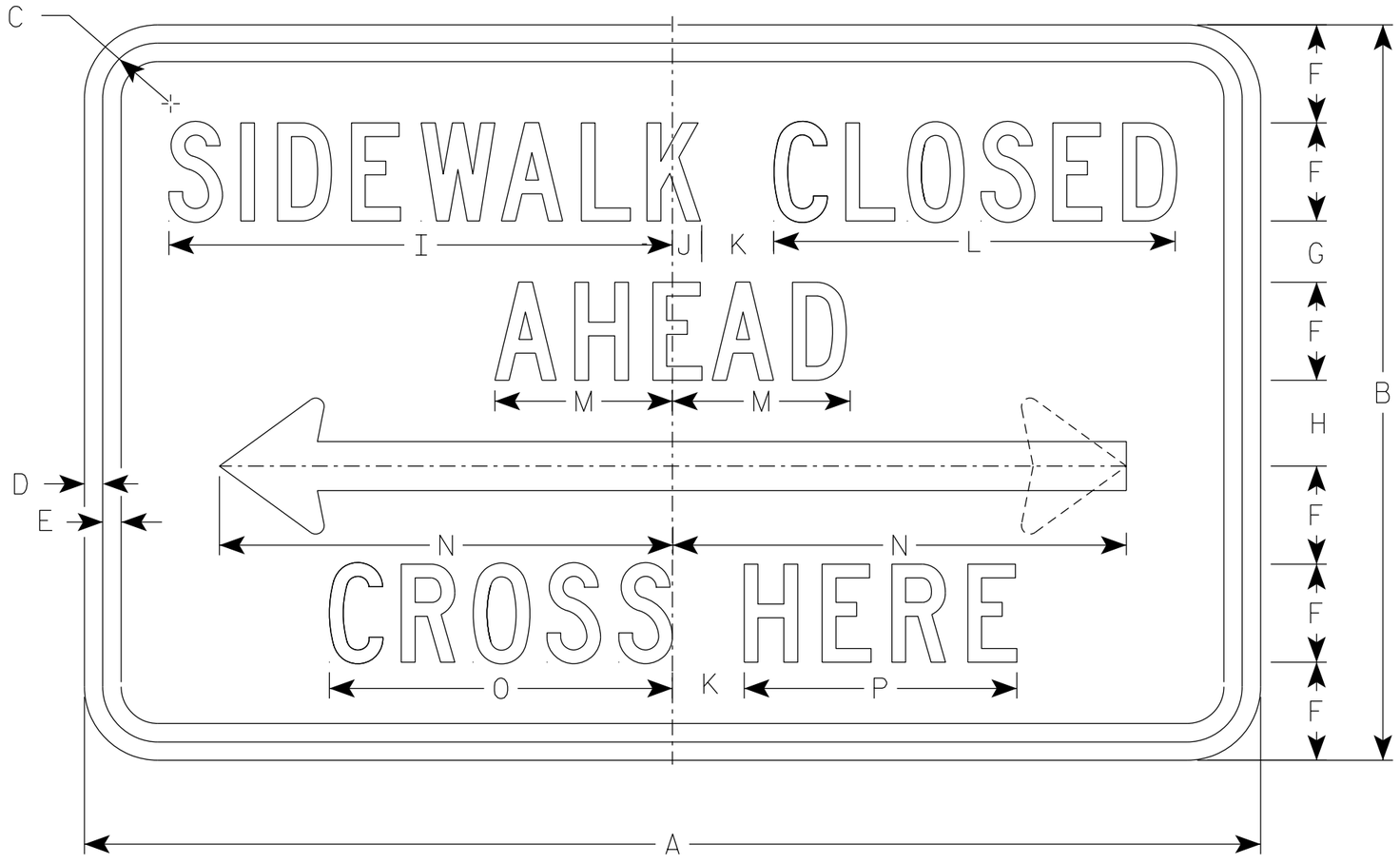
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/31/2020 PLATE NO. R9-9A.1

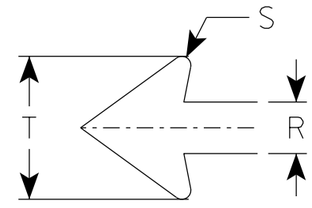
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 91 | E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R99A.DGN PLOT DATE : 31-AUG-2020 3:26 PLOT BY : dotc4c PLOT SCALE : $$.....plotscale.....$$ 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.
6. R9-11 D (double arrow)
   R9-11 L (left arrow)
   R9-11 R (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																											
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																											

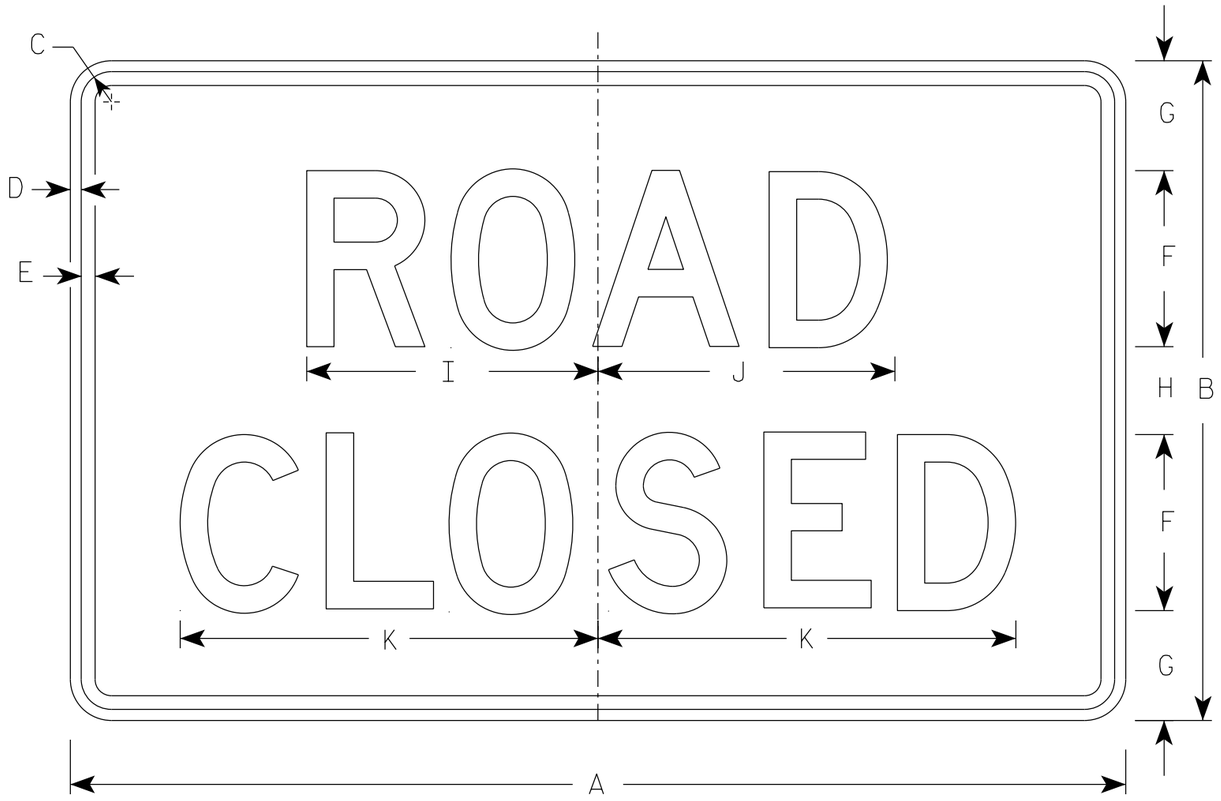
STANDARD SIGN
R9-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/30/2021 PLATE NO. R9-11.4

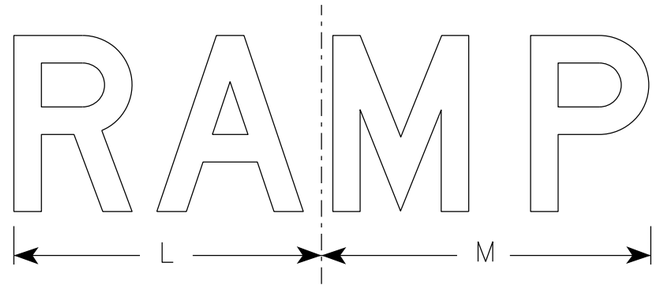
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 92 | E



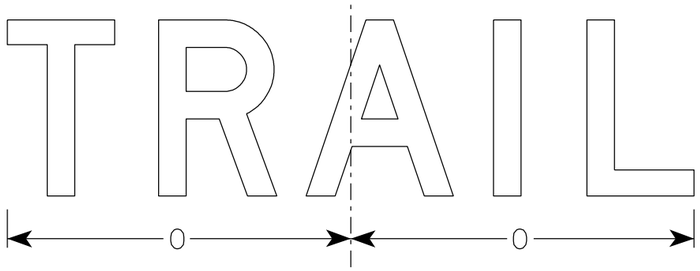
R11-2

NOTES

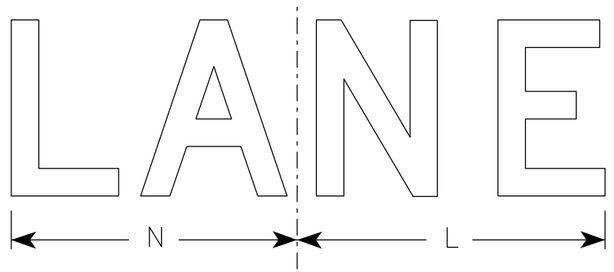
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2021 PLATE NO. R11-2.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112.dgn PLOT DATE : 29-MAR 2021 8:15 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

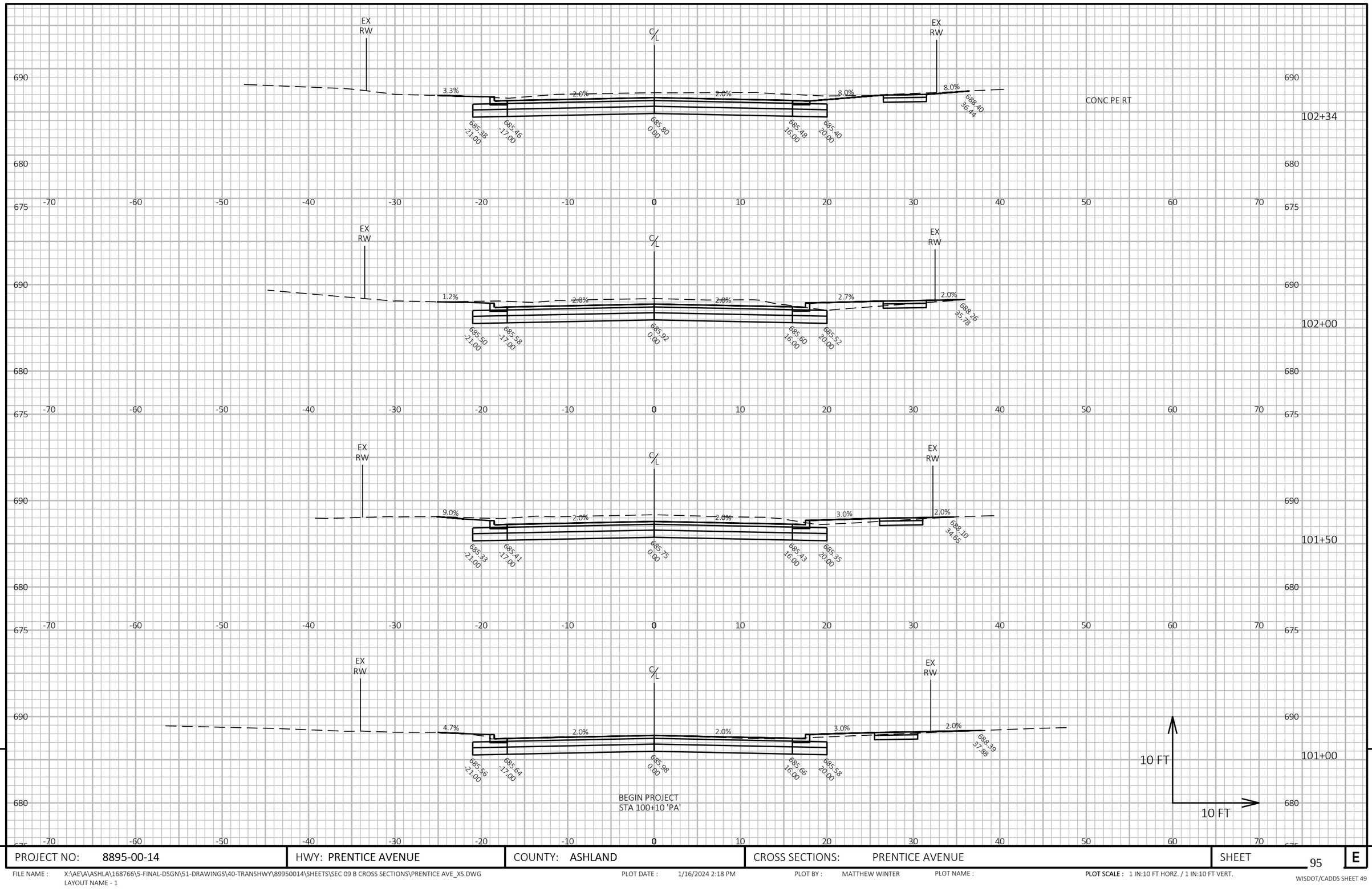
PRENTICE AVE

CATEGORY	STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
				CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
0010	101+00	10100	0	78.67	14.17	2.39	0	0	0	0	0	0
	101+50	10150	50	106.96	14.17	2.92	172	26	5	172	6	139
	102+00	10200	50	99.77	14.17	5.24	191	26	8	363	16	348
	102+34	10234	34	106.53	14.17	0.02	130	18	3	493	20	473
	102+50	10250	16	18.90	14.17	0.00	37	8	0	530	20	511
	103+00	10300	50	109.29	14.17	0.00	119	26	0	649	20	629
	103+50	10350	50	106.42	14.17	0.07	200	26	0	849	20	829
	104+00	10400	50	60.66	14.58	0.00	155	27	0	1,003	20	984
	104+50	10450	50	69.43	14.58	0.00	120	27	0	1,124	20	1,104
	105+00	10500	50	92.30	14.58	0.00	150	27	0	1,274	20	1,254
	105+46	10546	46	100.88	14.58	0.28	165	25	0	1,438	20	1,418
	105+50	10550	4	101.96	14.58	0.18	15	2	0	1,453	20	1,433
	106+00	10600	50	97.03	14.58	0.16	184	27	0	1,638	21	1,617
	106+50	10650	50	101.74	14.58	0.61	184	27	1	1,822	22	1,800
	107+00	10700	50	106.27	14.58	0.13	193	27	1	2,014	22	1,992
	107+50	10750	50	100.82	14.58	0.00	192	27	0	2,206	23	2,183
	108+00	10800	50	68.33	14.58	0.00	157	27	0	2,363	23	2,340
	108+50	10850	50	87.51	14.58	2.38	144	27	2	2,507	25	2,482
	109+00	10900	50	84.78	14.58	1.63	160	27	4	2,666	30	2,636
	109+50	10950	50	81.76	14.58	1.04	154	27	2	2,821	33	2,788
	110+00	11000	50	85.17	14.58	0.45	155	27	1	2,975	35	2,940
	110+50	11050	50	101.22	14.58	0.11	173	27	1	3,148	35	3,112
	111+00	11100	50	88.47	14.58	1.53	176	27	2	3,323	37	3,286
	111+50	11150	50	70.45	14.58	0.00	147	27	1	3,471	39	3,431
	112+00	11200	50	91.07	14.58	0.23	150	27	0	3,620	39	3,581
	112+50	11250	50	94.10	14.58	0.00	171	27	0	3,792	40	3,752
	113+00	11300	50	97.27	14.58	0.30	177	27	0	3,969	40	3,929
	113+50	11350	50	97.40	14.58	0.24	180	27	1	4,149	41	4,108
	114+00	11400	50	97.28	14.58	0.51	180	27	1	4,329	41	4,288
	114+50	11450	50	101.99	14.58	0.19	185	27	1	4,514	42	4,471
	115+00	11500	50	77.90	14.58	0.00	167	27	0	4,680	42	4,638
	115+50	11550	50	79.81	14.58	0.00	146	27	0	4,826	42	4,784
	116+00	11600	50	97.23	14.58	0.01	164	27	0	4,990	42	4,948
	116+50	11650	50	92.15	14.58	0.50	175	27	0	5,166	43	5,123
	116+83	11683	33	106.80	14.58	0.02	122	18	0	5,287	43	5,244
	117+00	11700	17	101.24	14.58	0.38	65	9	0	5,353	44	5,309
	117+50	11750	50	88.19	14.58	0.39	175	27	1	5,528	45	5,484
	118+00	11800	50	81.02	14.58	1.23	157	27	2	5,685	46	5,638
	118+50	11850	50	84.93	14.58	0.64	154	27	2	5,838	49	5,790
	118+81	11881.46	31	133.04	14.58	0.00	127	17	0	5,965	49	5,916
							5965	958	39			

9

9

PROJECT NO: 8895-00-14 | HWY: PRENTICE AVENUE | COUNTY: ASHLAND | EARTHWORK DATA | SHEET 94 | E



9

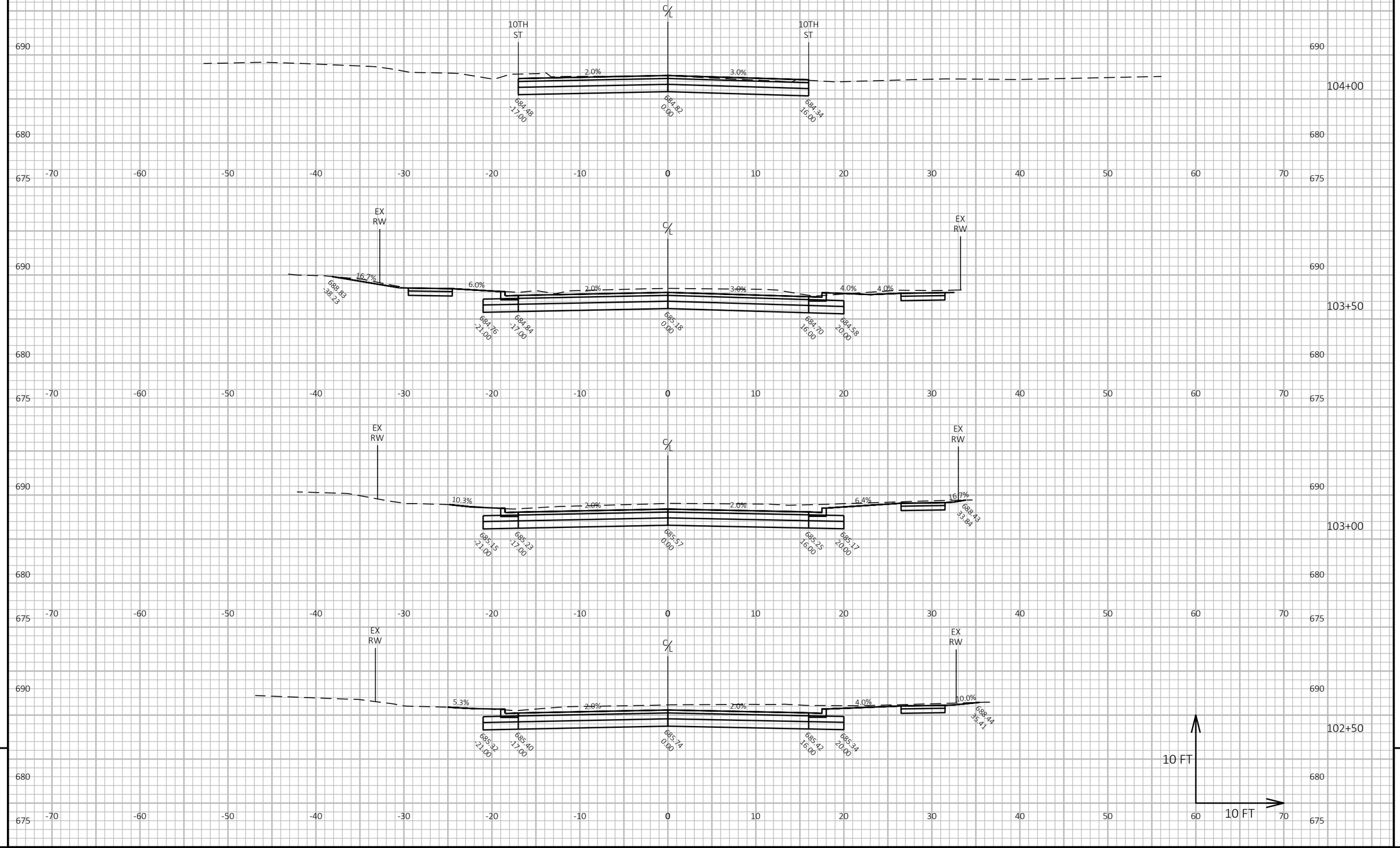
9

PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	CROSS SECTIONS: PRENTICE AVENUE	SHEET 95	E

FILE NAME : X:\AE\A\ASHLA\168766\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\89950014\SHEETS\SEC 09 B CROSS SECTIONS\PRENTICE AVE_XS.DWG
LAYOUT NAME - 1

PLOT DATE : 1/16/2024 2:18 PM PLOT BY : MATTHEW WINTER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



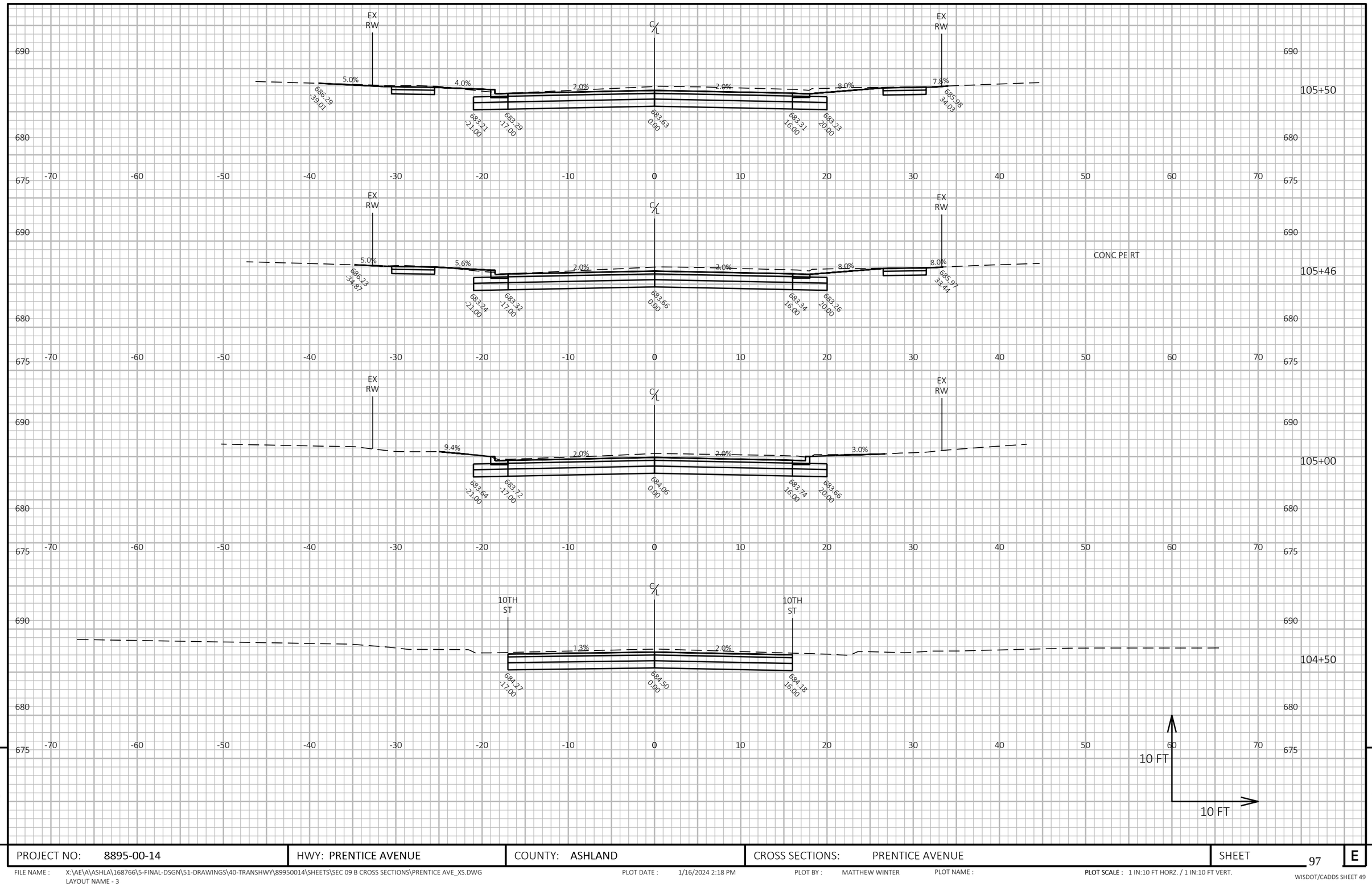
9

9

PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	CROSS SECTIONS: PRENTICE AVENUE	SHEET 96	E

FILE NAME : X:\AE\A\ASHLA\168766\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\89950014\SHEETS\SEC 09 B CROSS SECTIONS\PRENTICE AVE_XS.DWG
LAYOUT NAME - 2

PLOT DATE : 1/16/2024 2:18 PM PLOT BY : MATTHEW WINTER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

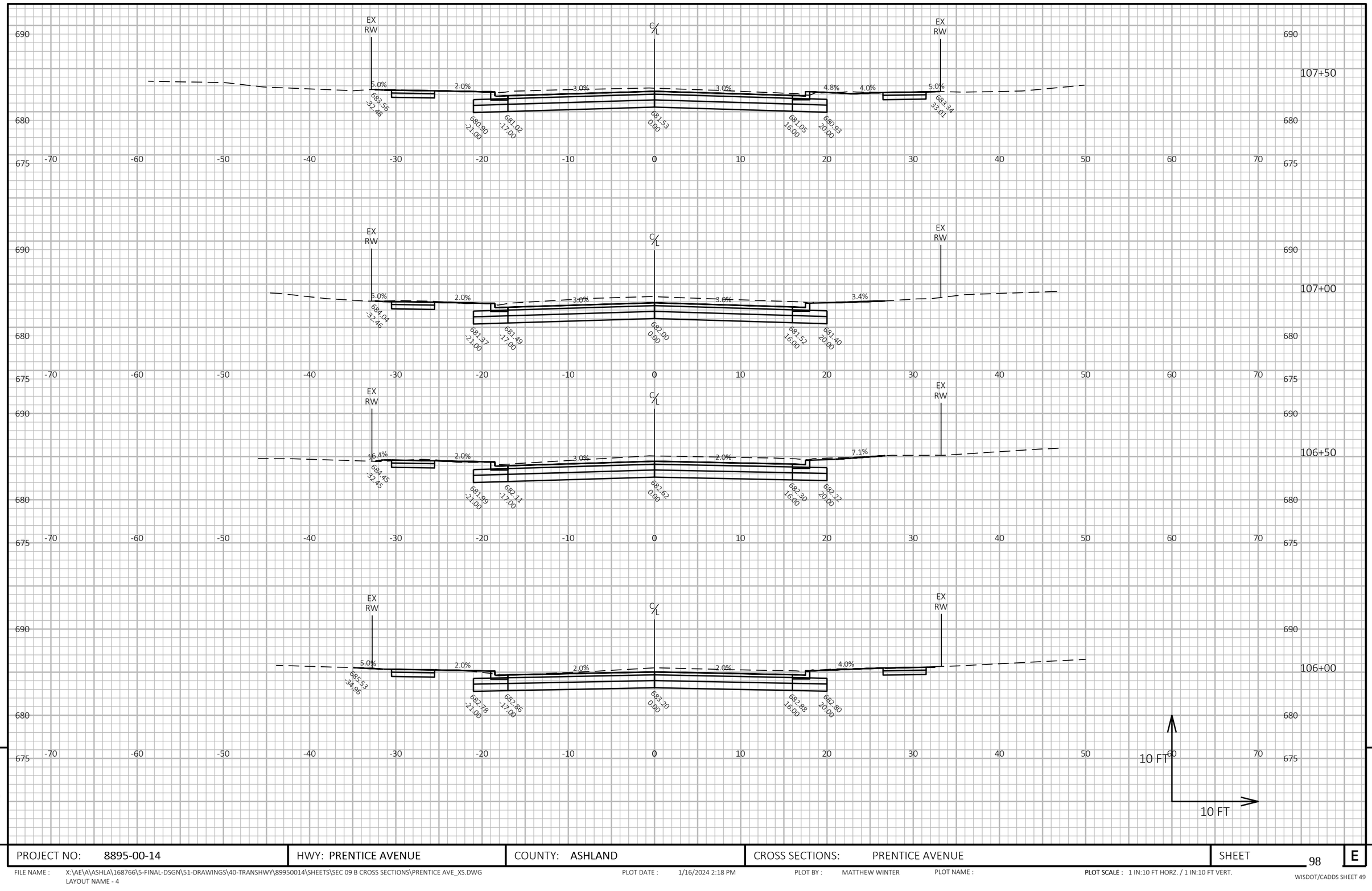


PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	CROSS SECTIONS: PRENTICE AVENUE	SHEET 97 E

FILE NAME : X:\AE\A\ASHLA\168766\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\89950014\SHEETS\SEC 09 B CROSS SECTIONS\PRENTICE AVE_XS.DWG
LAYOUT NAME - 3

PLOT DATE : 1/16/2024 2:18 PM PLOT BY : MATTHEW WINTER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

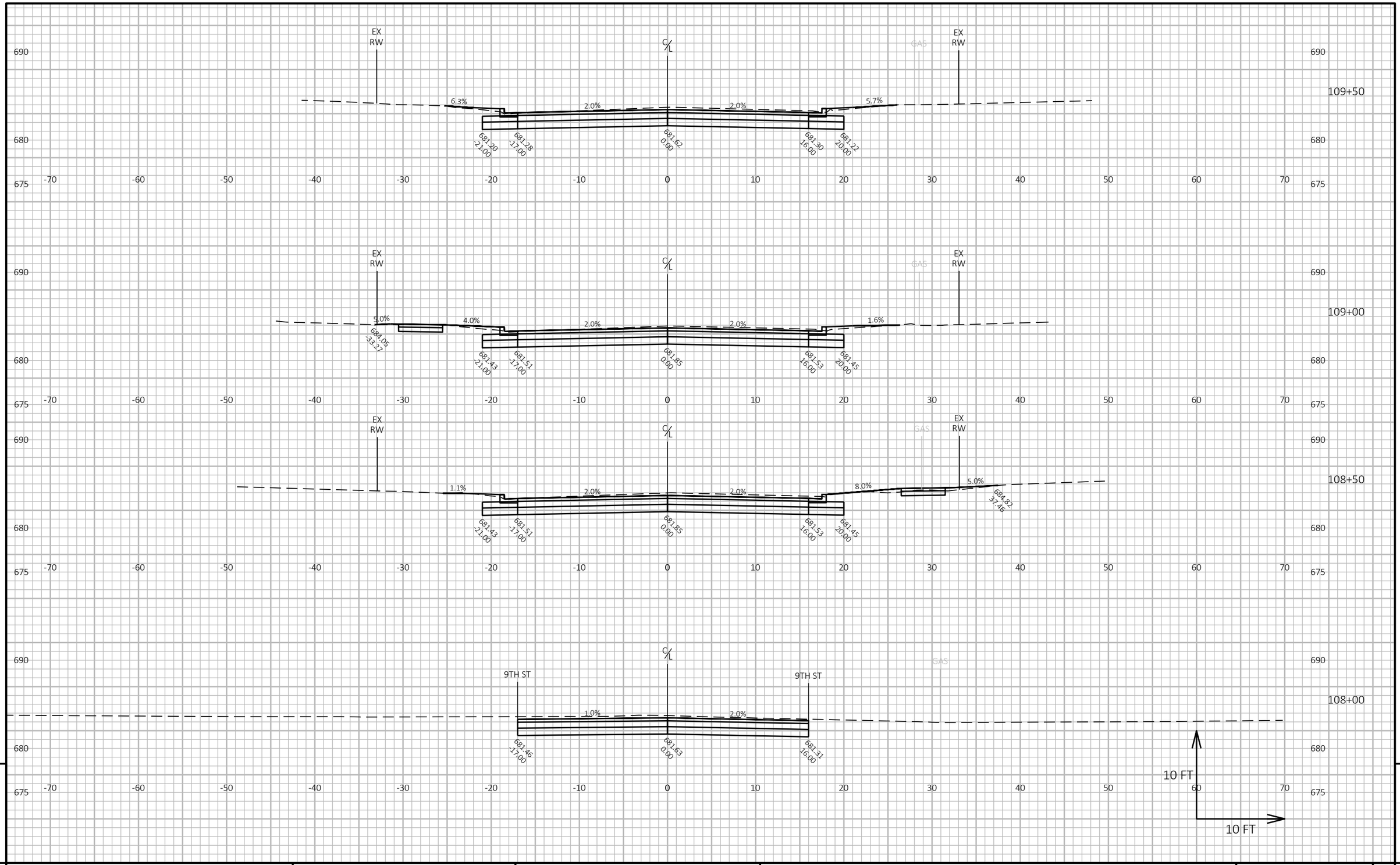


PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	CROSS SECTIONS: PRENTICE AVENUE	SHEET 98	E

FILE NAME : X:\AE\A\ASHLA\168766\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\89950014\SHEETS\SEC 09 B CROSS SECTIONS\PRENTICE AVE_XS.DWG
LAYOUT NAME - 4

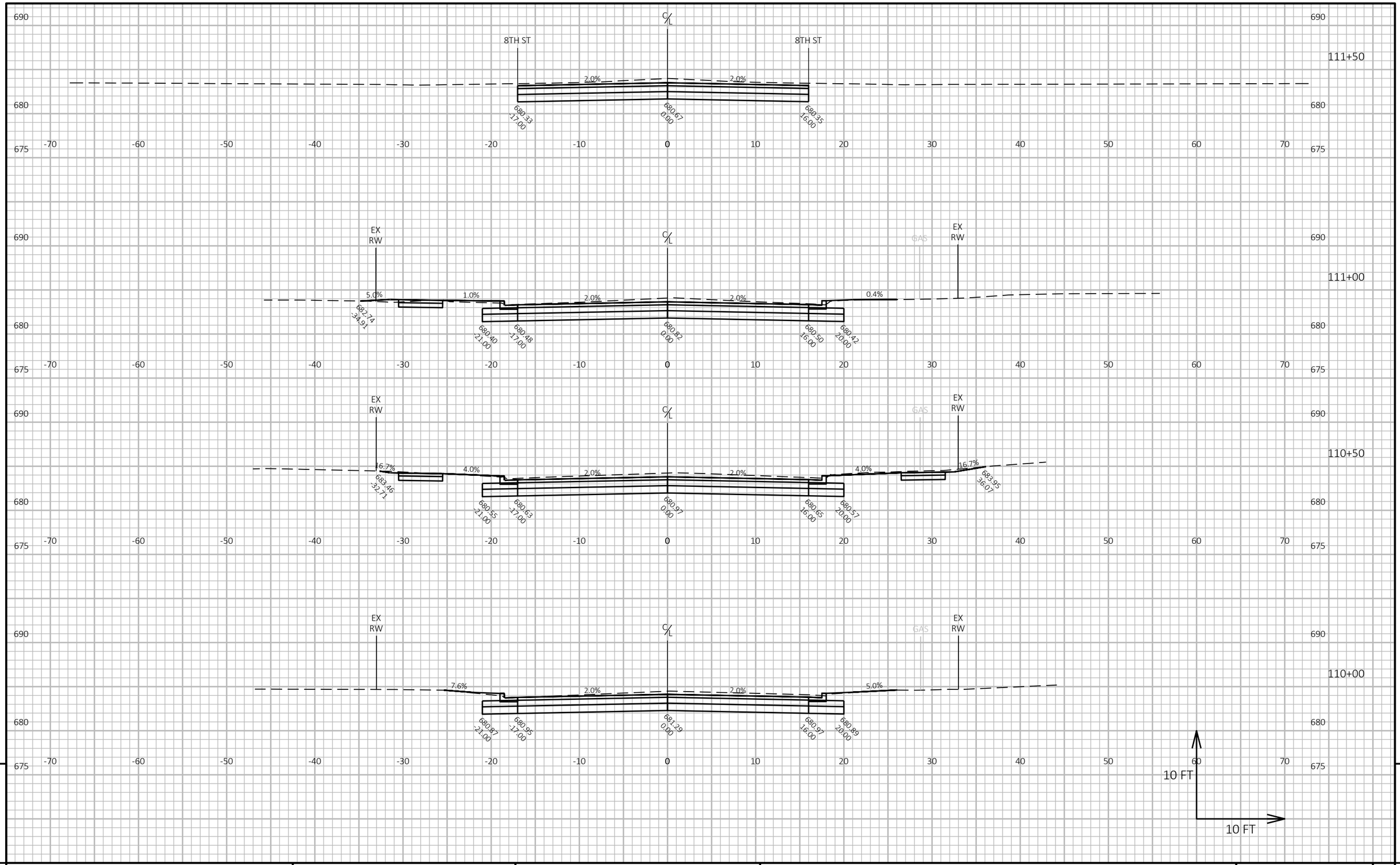
PLOT DATE : 1/16/2024 2:18 PM PLOT BY : MATTHEW WINTER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	CROSS SECTIONS: PRENTICE AVENUE	SHEET 99	E

FILE NAME : X:\AE\A\ASHLA\168766\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\89950014\SHEETS\SEC 09 B CROSS SECTIONS\PRENTICE AVE_XS.DWG
LAYOUT NAME - 5
PLOT DATE : 1/16/2024 2:18 PM
PLOT BY : MATTHEW WINTER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

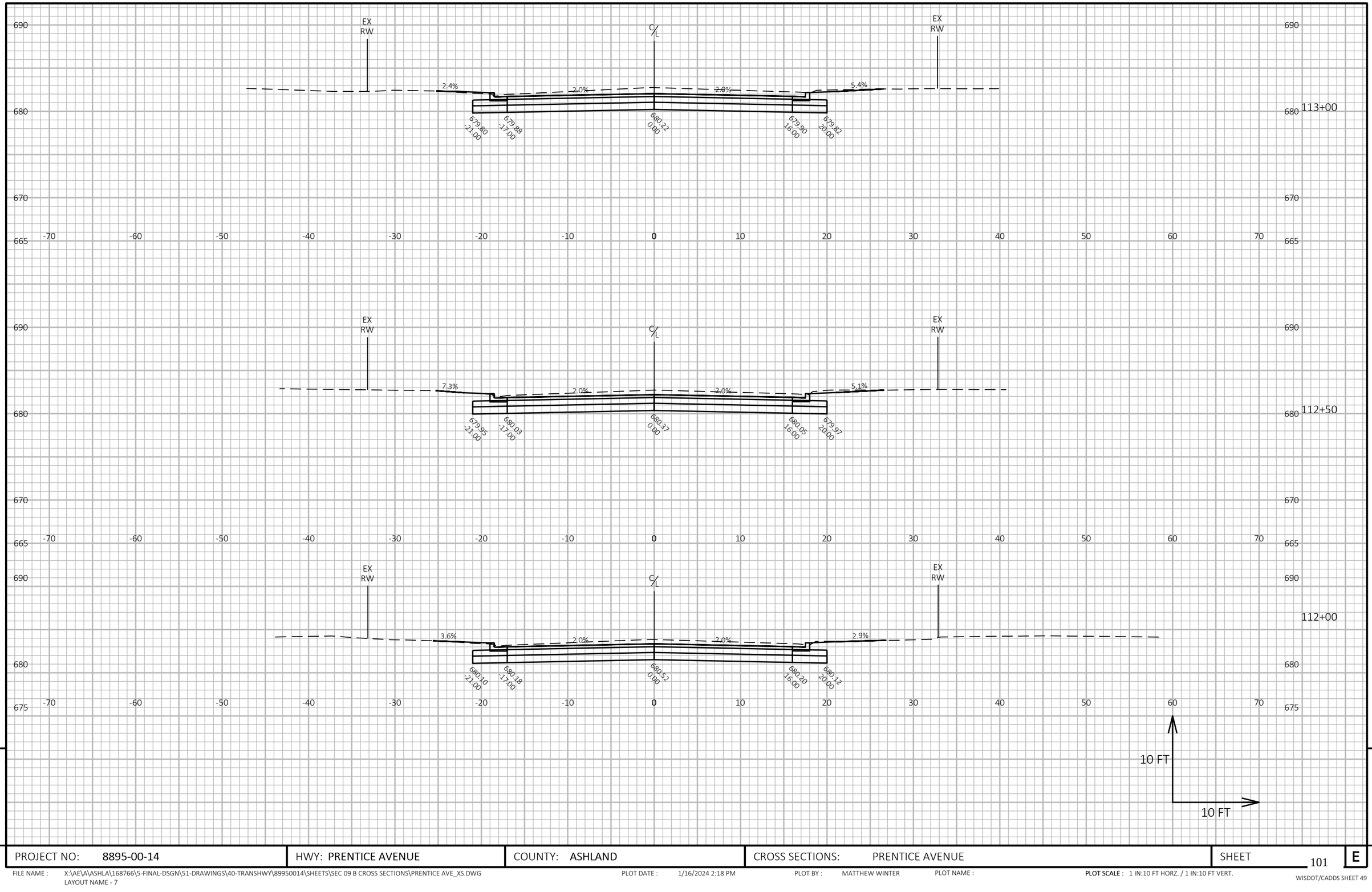


PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	CROSS SECTIONS: PRENTICE AVENUE	SHEET 100	E

FILE NAME : X:\AE\A\ASHLA\168766\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\89950014\SHEETS\SEC 09 B CROSS SECTIONS\PRENTICE AVE_XS.DWG
LAYOUT NAME - 6

PLOT DATE : 1/16/2024 2:18 PM PLOT BY : MATTHEW WINTER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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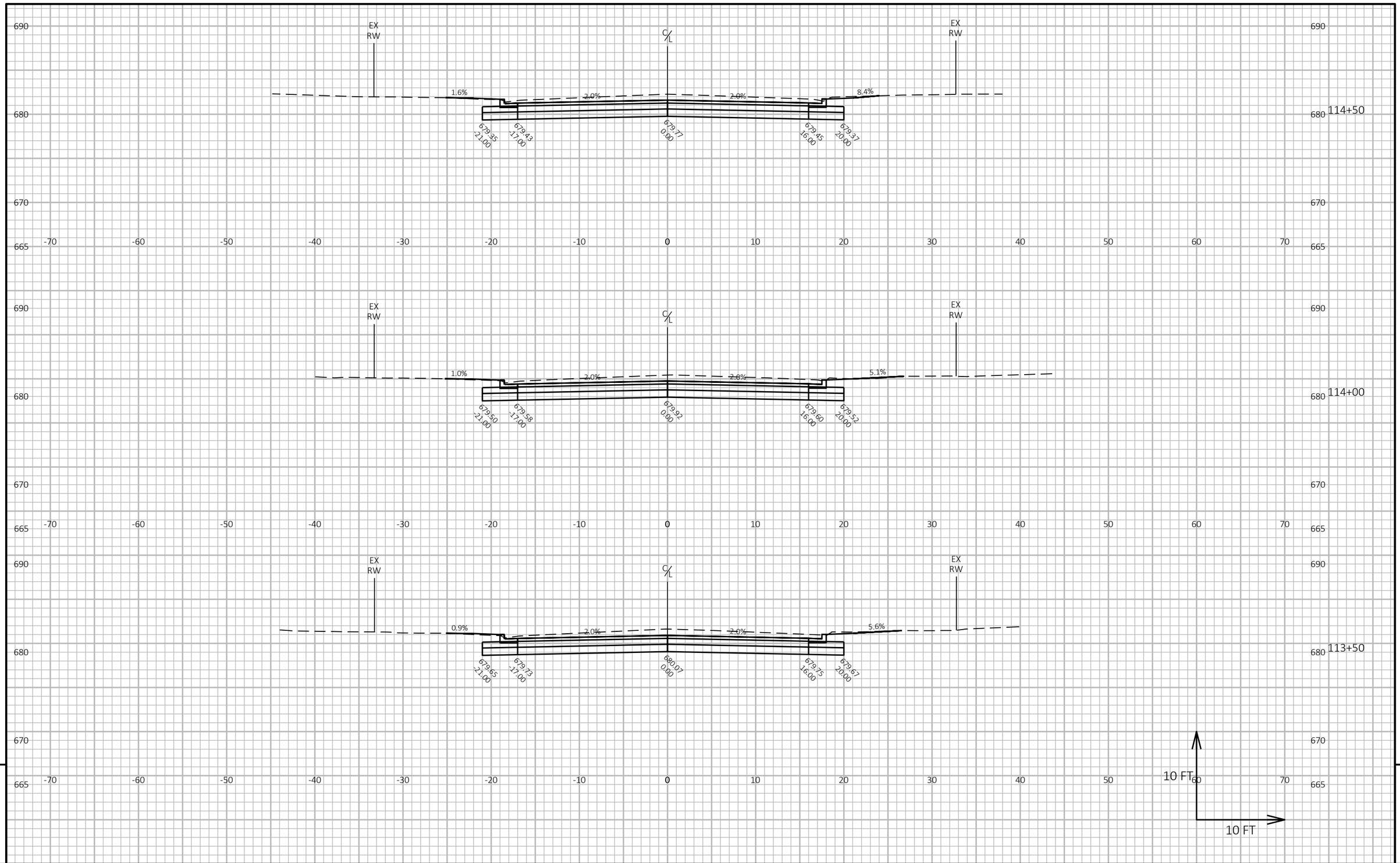
PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	CROSS SECTIONS: PRENTICE AVENUE	SHEET 101	E

FILE NAME : X:\AE\A\ASHLA\168766\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\89950014\SHEETS\SEC 09 B CROSS SECTIONS\PRENTICE AVE_XS.DWG
LAYOUT NAME - 7

PLOT DATE : 1/16/2024 2:18 PM PLOT BY : MATTHEW WINTER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

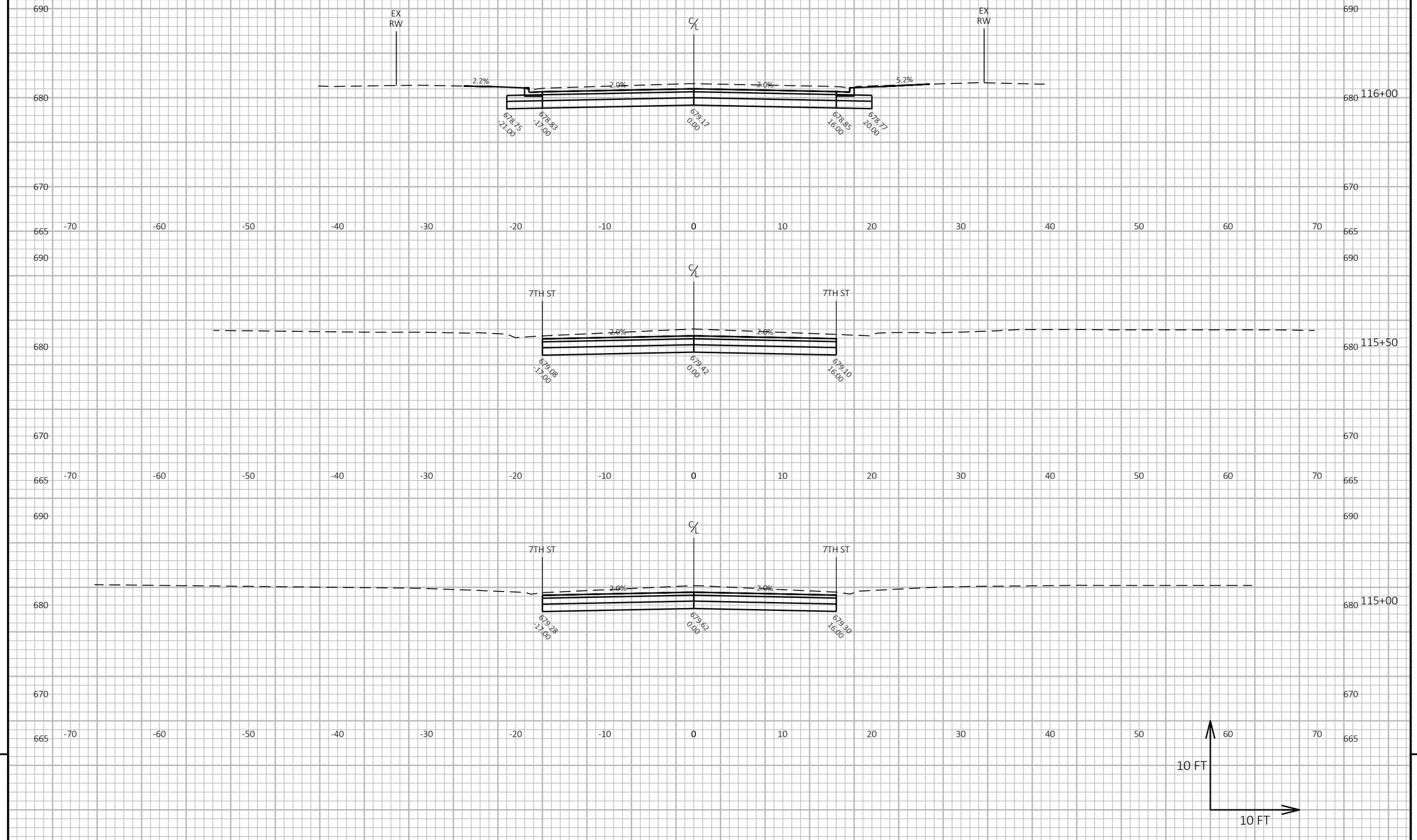
9

PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	CROSS SECTIONS: PRENTICE AVENUE	SHEET 102	E

FILE NAME : X:\AE\A\ASHLA\168766\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\89950014\SHEETS\SEC 09 B CROSS SECTIONS\PRENTICE AVE_XS.DWG
LAYOUT NAME - 8

PLOT DATE : 1/16/2024 2:18 PM PLOT BY : MATTHEW WINTER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

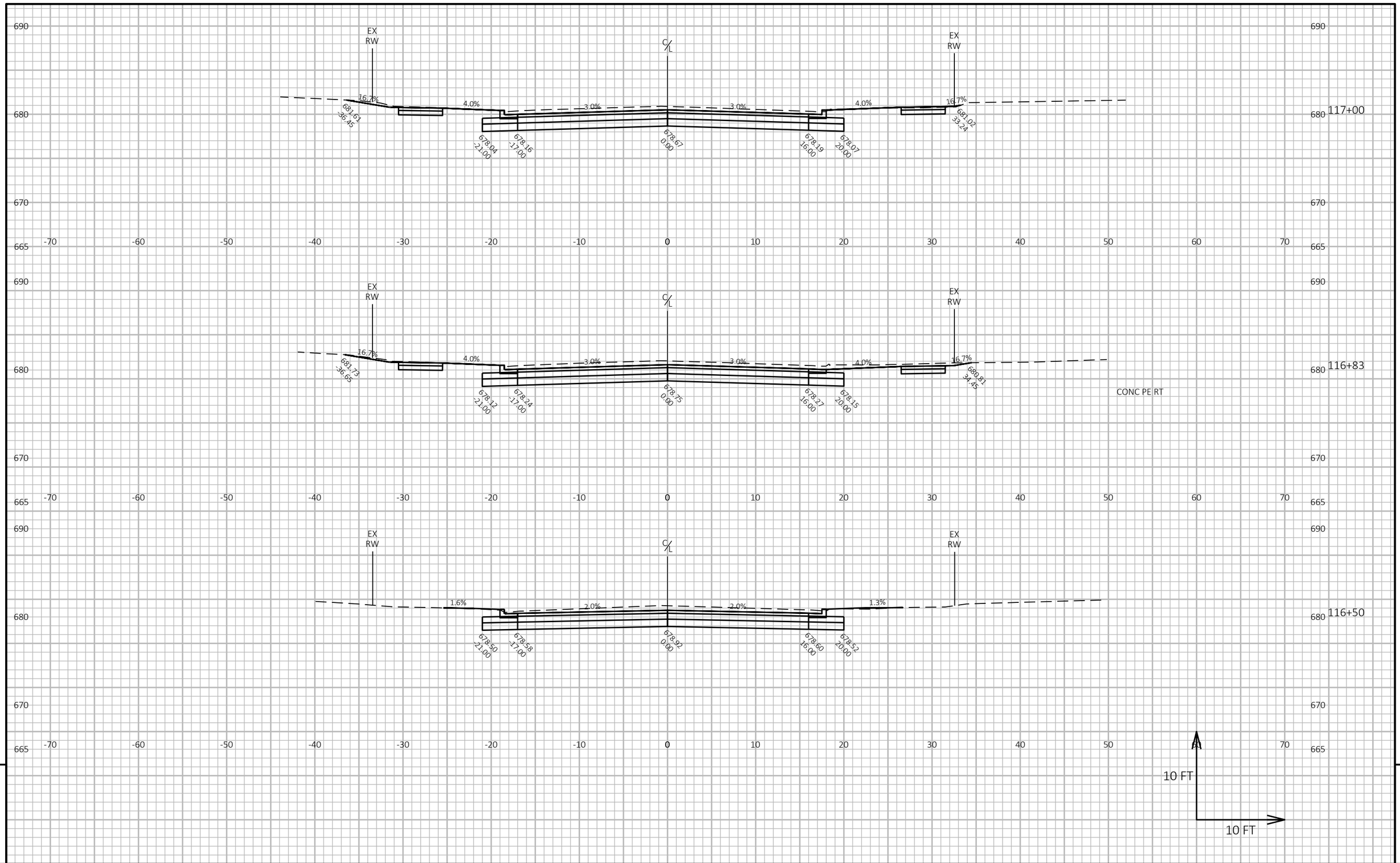
9

PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	CROSS SECTIONS: PRENTICE AVENUE	SHEET 103	E

FILE NAME : X:\AE\A\ASHLA\168766\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\89950014\SHEETS\SEC 09 B CROSS SECTIONS\PRENTICE AVE_XS.DWG
LAYOUT NAME - 9

PLOT DATE : 1/16/2024 2:18 PM PLOT BY : MATTHEW WINTER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	CROSS SECTIONS: PRENTICE AVENUE	SHEET 104	E

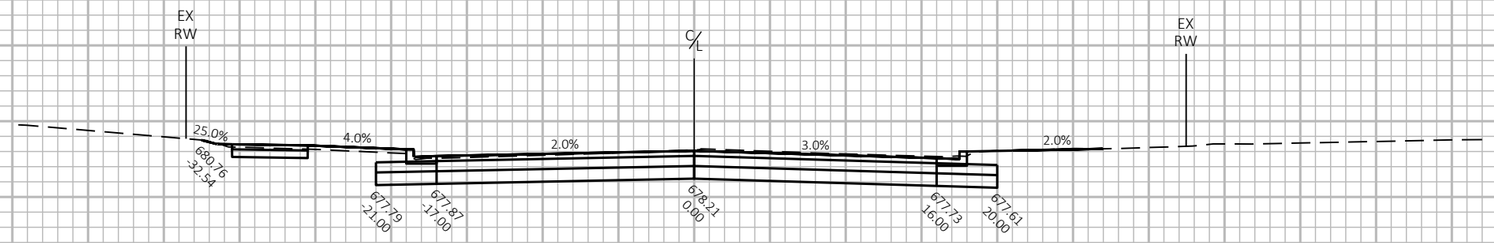
FILE NAME : X:\AE\A\ASHLA\168766\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\89950014\SHEETS\SEC 09 B CROSS SECTIONS\PRENTICE AVE_XS.DWG
LAYOUT NAME - 10

PLOT DATE : 1/16/2024 2:18 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

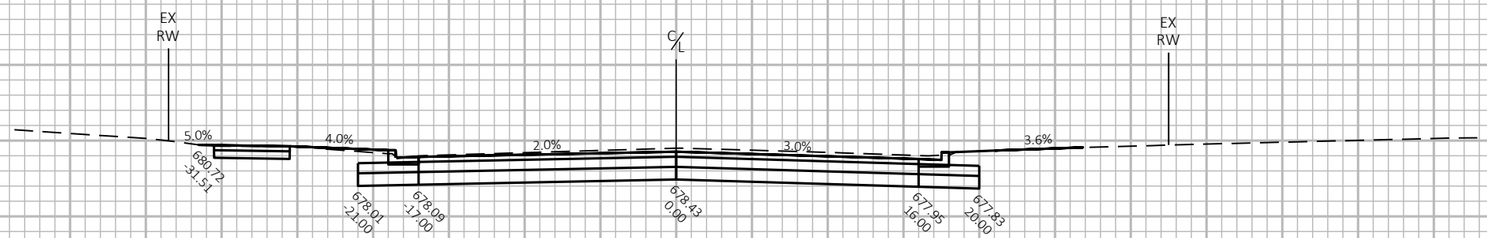
WISDOT/CADDS SHEET 49

END PROJECT
STA 118+81 'PA'

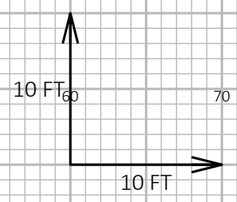
118+50



118+00



117+50



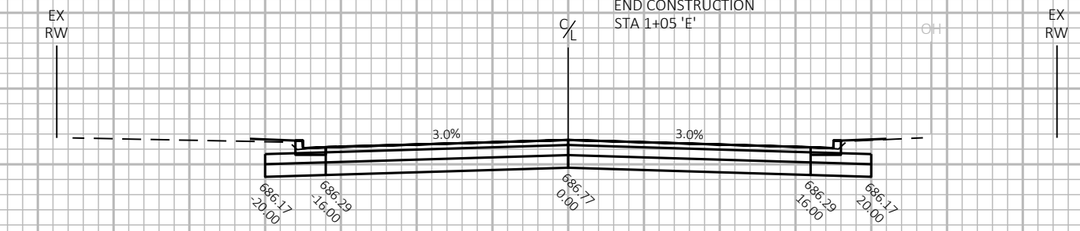
PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	CROSS SECTIONS: PRENTICE AVENUE	SHEET 105	E

FILE NAME : X:\AE\A\ASHLA\168766\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\89950014\SHEETS\SEC 09 B CROSS SECTIONS\PRENTICE AVE_XS.DWG
LAYOUT NAME - 11

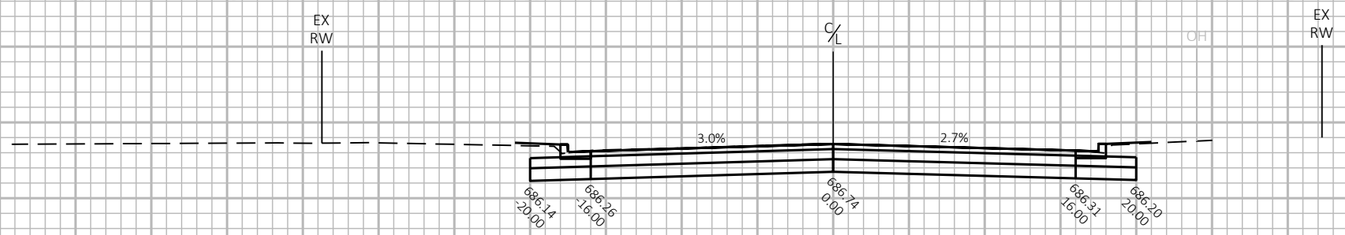
PLOT DATE : 1/16/2024 2:18 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

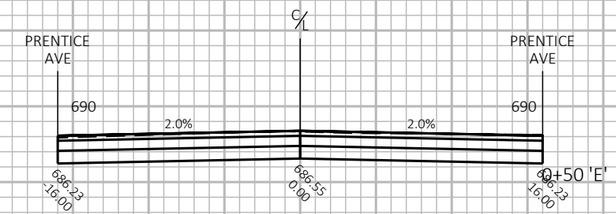
END CONSTRUCTION
STA 1+05 'E'



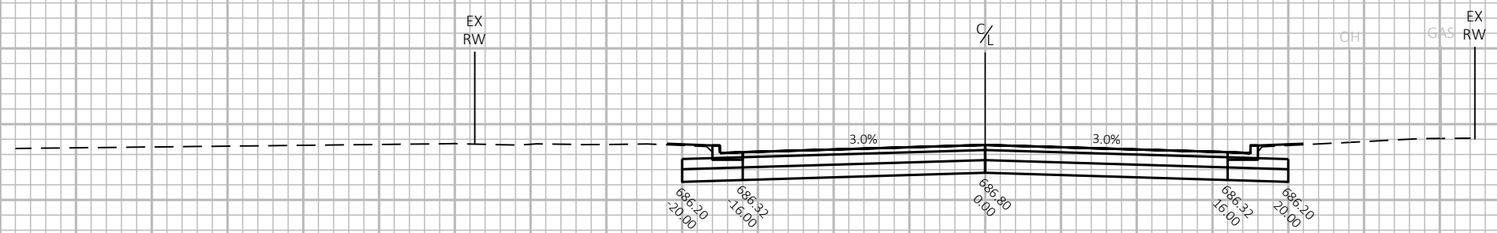
1+05 'E'



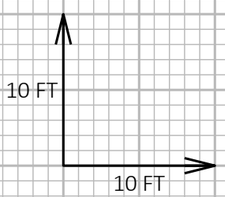
1+00 'E'



0+50 'E'



0+08 'E'



BEGIN CONSTRUCTION
STA 0+08 'E'

9

9

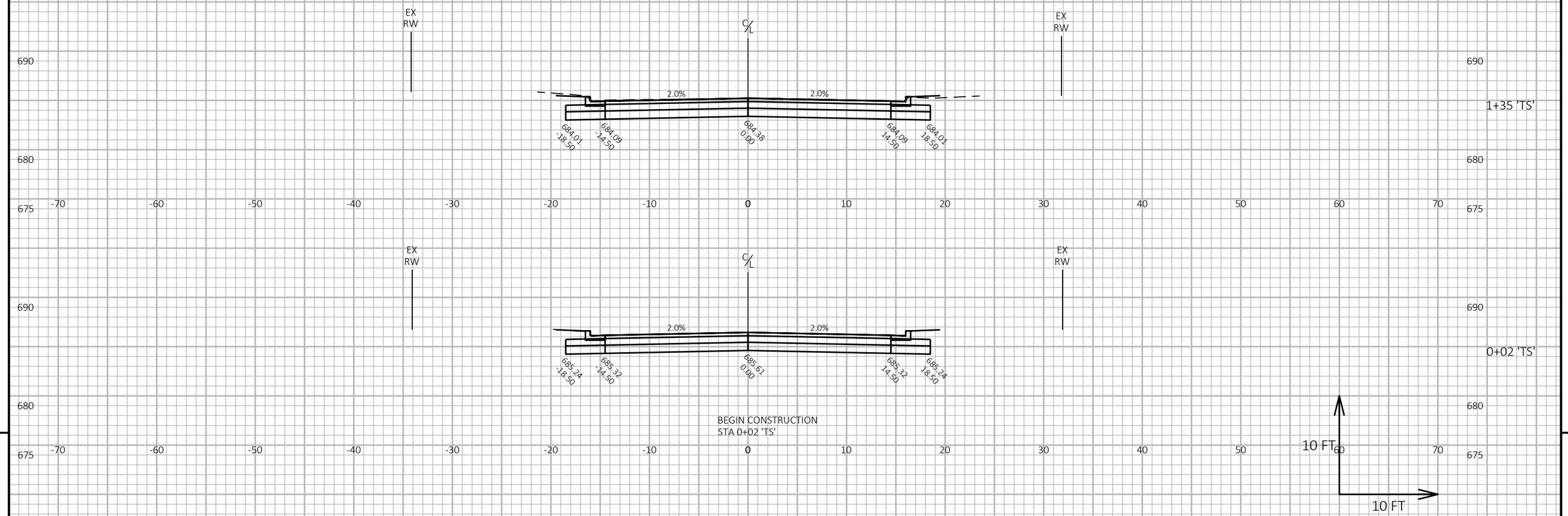
PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	CROSS SECTIONS: 11TH STREET EAST	SHEET 106	E

FILE NAME : X:\AE\A\ASHLA\168766\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\89950014\SHEETS\SEC 09 B CROSS SECTIONS\PRENTICE AVE_XS.DWG
LAYOUT NAME - 22

PLOT DATE : 1/16/2024 2:18 PM PLOT BY : MATTHEW WINTER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 1+35 'TS'



BEGIN CONSTRUCTION
STA 0+02 'TS'

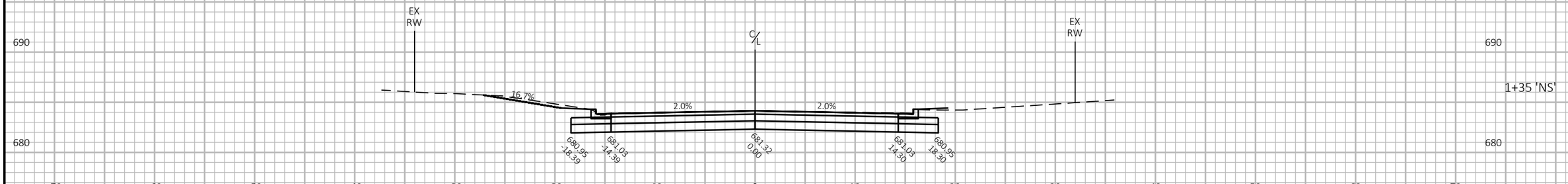
PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	CROSS SECTIONS: 10TH STREET EAST	SHEET 107	E

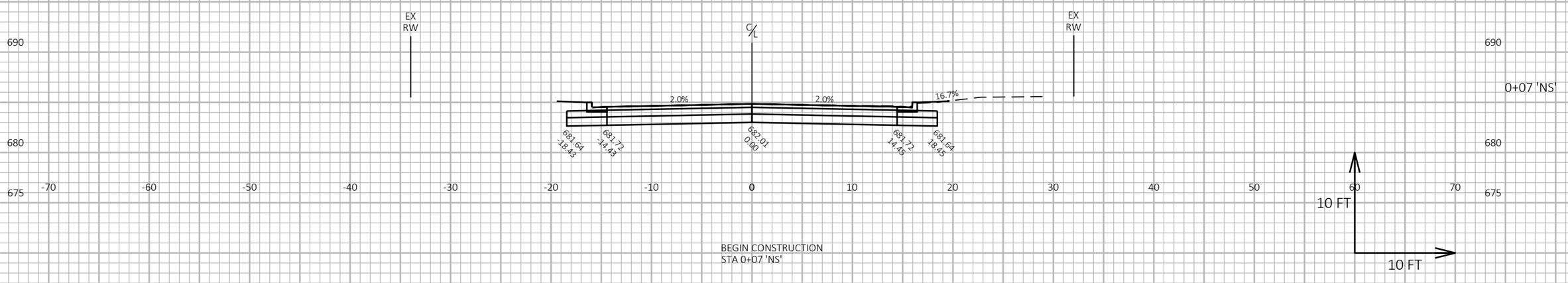
FILE NAME : X:\AE\A\ASHLA\168766\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\89950014\SHEETS\SEC 09 B CROSS SECTIONS\PRENTICE AVE_XS.DWG
LAYOUT NAME - 24

PLOT DATE : 1/16/2024 2:18 PM PLOT BY : MATTHEW WINTER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 1+35 'NS'





BEGIN CONSTRUCTION
STA 0+07 'NS'

9

9

PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	CROSS SECTIONS: 9TH STREET EAST	SHEET 108	E

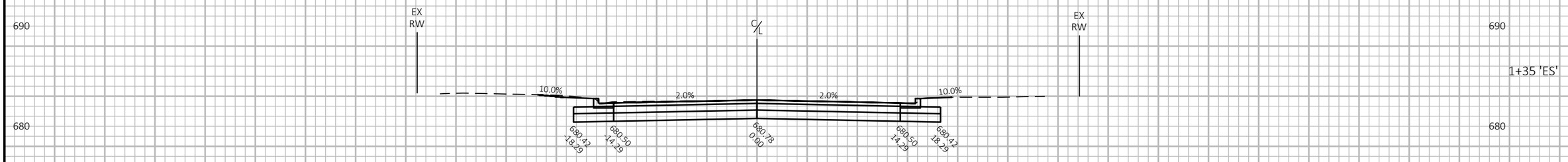
FILE NAME : X:\AE\A\ASHLA\168766\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\89950014\SHEETS\SEC 09 B CROSS SECTIONS\PRENTICE AVE_XS.DWG
LAYOUT NAME - 26

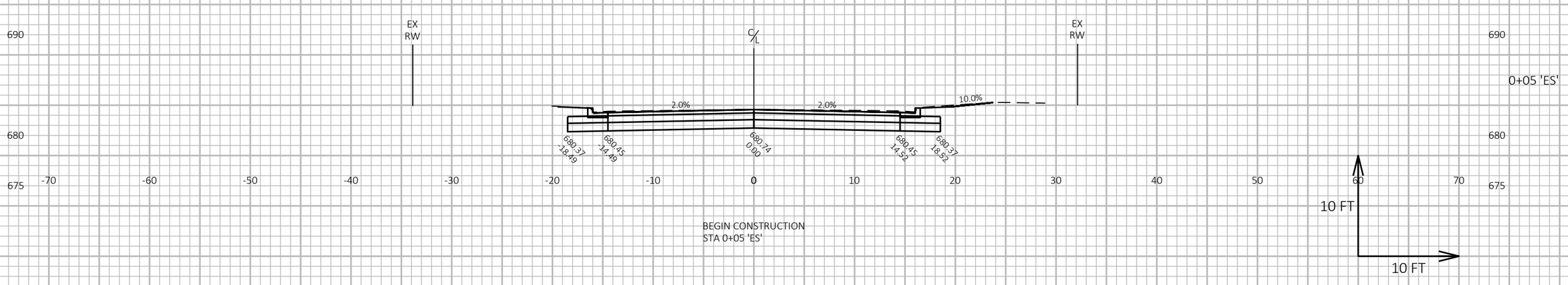
PLOT DATE : 1/16/2024 2:19 PM PLOT BY : MATTHEW WINTER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 1+35 'ES'





BEGIN CONSTRUCTION
STA 0+05 'ES'

9

9

PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	CROSS SECTIONS: 8TH STREET EAST	SHEET 109	E

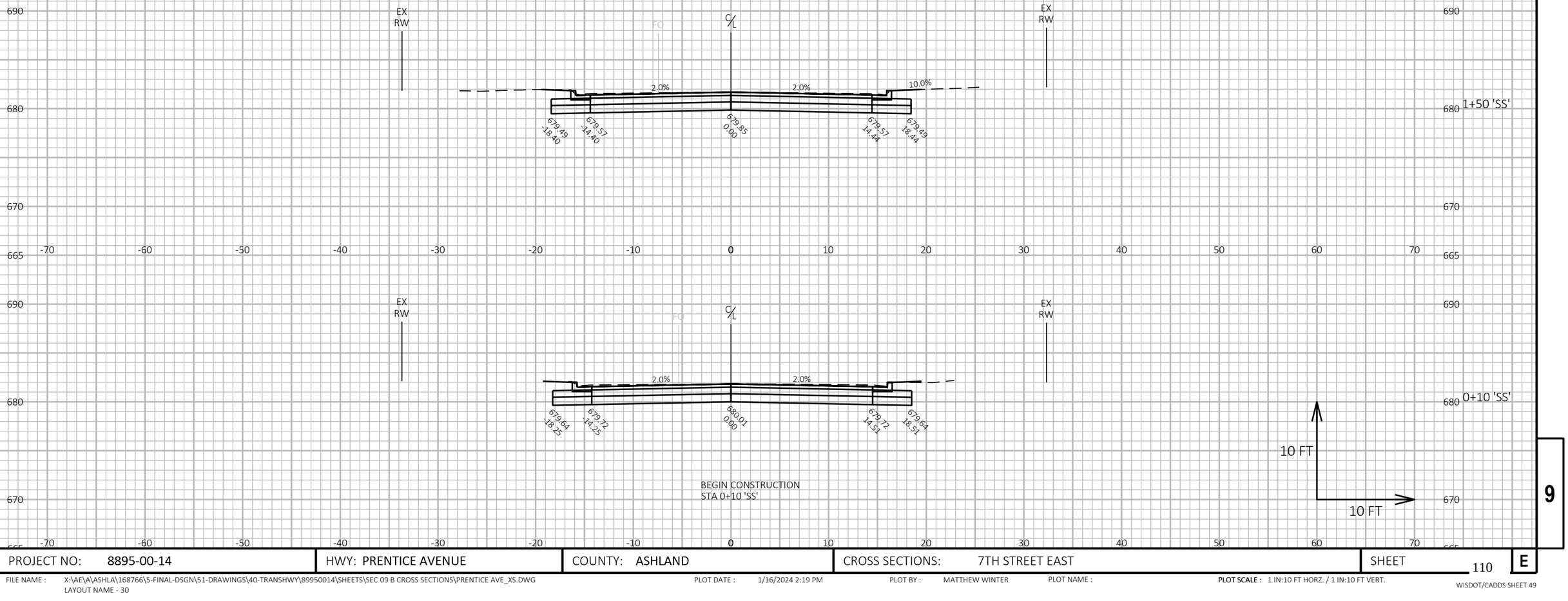
FILE NAME : X:\AE\A\ASHLA\168766\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\89950014\SHEETS\SEC 09 B CROSS SECTIONS\PRENTICE AVE_XS.DWG
LAYOUT NAME - 28

PLOT DATE : 1/16/2024 2:19 PM PLOT BY : MATTHEW WINTER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 1+50 'SS'



BEGIN CONSTRUCTION
STA 0+10 'SS'

9

9

PROJECT NO: 8895-00-14	HWY: PRENTICE AVENUE	COUNTY: ASHLAND	CROSS SECTIONS: 7TH STREET EAST	SHEET 110	E

FILE NAME : X:\AE\A\ASHLA\168766\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\89950014\SHEETS\SEC 09 B CROSS SECTIONS\PRENTICE AVE_XS.DWG
LAYOUT NAME - 30

PLOT DATE : 1/16/2024 2:19 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

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http://www.dot.wisconsin.gov