EAU MAY 2016

PROJECT ID: 1000-08-89

COUNTY: NORTHWEST REGION WIDE

ORDER OF SHEETS

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

TOTAL SHEETS = 116

PROJECT LOCATIONS

42

DESIGN DESIGNATION

A.A.D.T.	= NA
A.A.D.T.	= NA
D.H.V.	= NA
D.D.	= NA
T.	= NA
DESIGN SPEED	= NA
ESALS	= NA

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'EW)
- 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

NW REGION, VAR HWY/FREIGHT MITIGATION

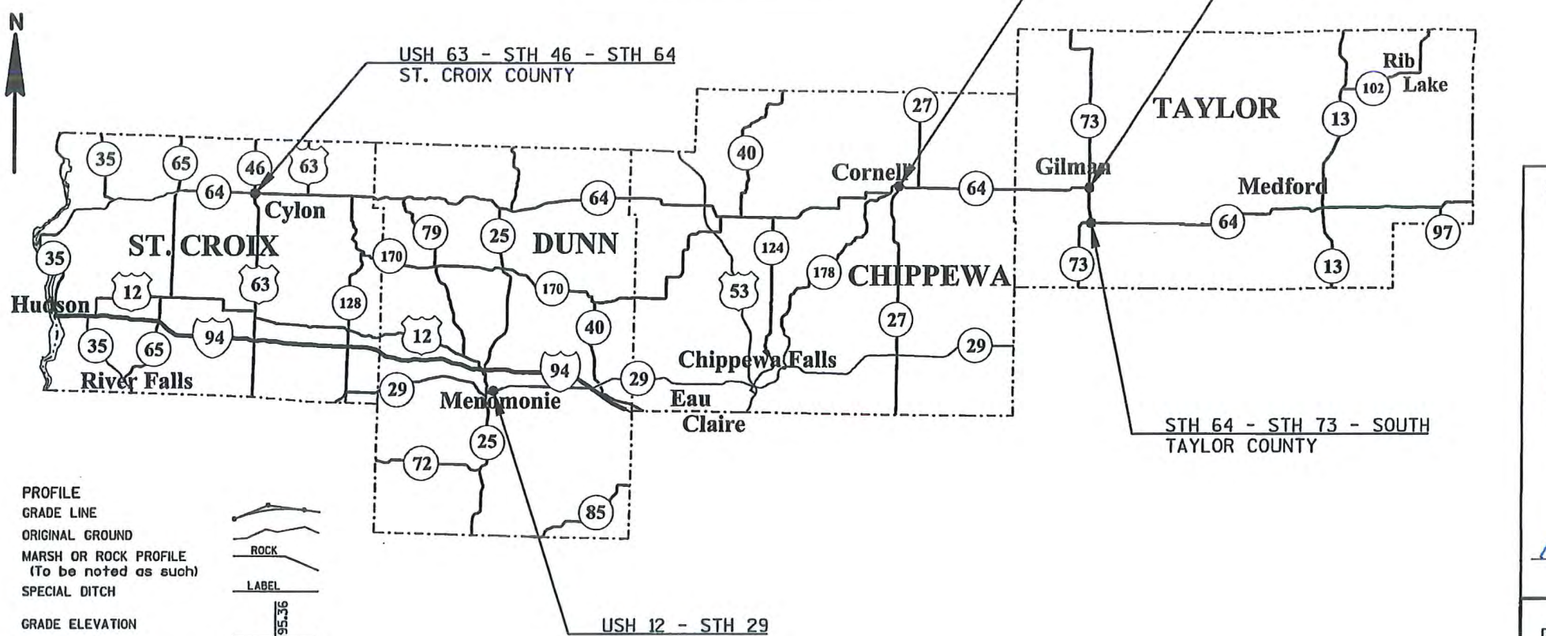
VARIOUS LOCATIONS - SOUTH

VAR HWY

NORTHWEST REGION WIDE

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1000-08-89	———	—

STATE PROJECT NUMBER
1000-08-89



LAYOUT

SCALE 0 ——— 12 MILES

TOTAL NET LENGTH OF CENTERLINE = 0.00

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, ST. CROIX, DUNN, CHIPPEWA, AND TAYLOR COUNTY, NAD83 (YEAR), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ORIGINAL PLANS PREPARED BY

GHD Inc.

WISCONSIN
BEN C. WILKINSON
E-36032
MADISON
WISCONSIN
PROFESSIONAL ENGINEER

1-29-16 (Date) Ben C. Wilkinson (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	FLEMING, ANDRE & ASSOCIATES
Designer	GHD INC.
Project Manager	NICOLE PASSUELLO
Regional Examiner	CHRIS KOSKI
Regional Supervisor	MARK PLOEDERER

APPROVED FOR THE DEPARTMENT
DATE: 1/29/16 Nicole Passuello (Signature)

E

FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809\SHEETSPLAN\010101-TI.DWG
LAYOUT NAME - 010101-TI

PLOT DATE : 1/22/2016 9:13 AM PLOT BY : TYLER BALSIGER PLOT NAME :

LIST OF STANDARD ABBREVIATIONS

ABUT.	ABUTMENT
AGG.	AGGREGATE
AH.	AHEAD
APPROX.	APPROXIMATE
A.E.W.	APRON ENDWALL
ASPH.	ASPHALTIC
A.D.T.	AVERAGE DAILY TRAFFIC
AZ.	AZIMUTH
BK.	BACK
BEG.	BEGIN
B.M.	BENCH MARK
C/L	CENTER LINE
CONC.	CONCRETE
CONST.	CONSTRUCTION
CO.	COUNTY
C.T.H.	COUNTY TRUNK HIGHWAY
X-SEC.	CROSS SECTION
CR.	CRUSHED
CFS	CUBIC FEET/SECOND
C.Y., CU. YD.	CUBIC YARD
CULV.	CULVERT
C.P.	CULVERT PIPE
D.O.T.	DEPARTMENT OF TRANSPORTATION
D.H.V.	DESIGN HOUR VOLUME
DIA.	DIAMETER
D.	DIRECTIONAL DISTRIBUTION
DISCH. OR DIS.	DISCHARGE
EA.	EACH
ELECT.	ELECTRIC
EL. OR ELEV.	ELEVATION
EMB.	EMBANKMENT
E.B.S.	EXCAVATION BELOW SUBGRADE
EXIST.	EXISTING
FERT.	FERTILIZE
F.E.	FIELD ENTRANCE
FIN.	FINISHED
FT.	FOOT
F.L.	FLOW LINE
GA.	GAUGE
HORIZ.	HORIZONTAL
CWT.	HUNDREDWEIGHT
INL.	INLET
LT.	LEFT
L.H.F.	LEFT-HAND FORWARD
LIN.	LINEAR
LIN. FT.	LINEAR FOOT
L.S.	LUMP SUM
MAX.	MAXIMUM
MI.	MILE
MISC.	MISCELLANEOUS
N.E.	NORTH EAST
N.W.	NORTH WEST
PAV'T	PAVEMENT
P.C.	POINT OF CURVATURE
P.I.	POINT OF INTERSECTION
P.T.	POINT OF TANGENCY
P.O.T.	POINT ON TANGENT
LB.	POUND
P.E.	PRIVATE ENTRANCE
PROJ.	PROJECT
R.	RANGE
REQ'D	REQUIRED
RT.	RIGHT
R.H.F.	RIGHT-HAND FORWARD
R/W	RIGHT OF WAY
RD.	ROAD
SHR.	SHRINKAGE
SL.	SLOPE
STD.	STANDARD
S.D.D.	STANDARD DETAIL DRAWINGS
S.T.H.	STATE TRUNK HIGHWAY
STA.	STATION
S.P.P.A.	STRUCTURAL PLATE PIPE ARCH
STRUCT.	STRUCTURE
SURF.	SURFACE
TEL.	TELEPHONE
TN.	TOWN
T.	TRUCKS (PERCENT OF)
UNCL.	UNCLASSIFIED
U.G.	UNDERGROUND
V.	VELOCITY OR DESIGN SPEED
	VERTICAL CURVE

DESIGN CONTACTS

BEN WILKINSON
GHD INC.
5325 WALL ST, SUITE 2305
MADISON, WI 53718
(608)216-2057
BEN.WILKINSON@GHD.COM

NICOLE PASSUELLO
WISDOT NW REGION
718 W CLAIRMONT
EAU CLAIRE, WI 54701
(715)836-3920
NICOLE.PASSUELLO@DOT.WI.GOV

WISCONSIN DNR CONTACT

AMY CRONK
DNR NORTHERN REGION HQ
810 W. MAPLE STREET
SPOONER, WI 54801
(715)-635-4229
AMY.CRONK@WISCONSIN.GOV

GENERAL NOTES

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK.

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.

THE LOCATIONS OF EROSION CONTROL ITEMS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

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

DISTURBED AREAS WITHIN THE RIGHT OF WAY, SHALL BE TOPSOILED, FERTILIZED, AND SEEDED AS DIRECTED BY THE ENGINEER AND SHOWN IN THE QUANTITIES.

A VERTICAL SAWCUT SHALL BE MADE THROUGH EXISTING PAVEMENTS AT REMOVAL LIMITS.

EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY GRUBBING OR TOPSOIL STRIPPING OPERATIONS.

CURB & GUTTER RADII AND ELEVATIONS ARE MEASRUED FROM FACE OF CURB AND CURB FLANGE, RESPECTIVELY.

UTILITY CONTACTS

USH 63-STH46-STH64 (ST. CROIX COUNTY)

TERRY DORR
FRONTIER COMMUNICATIONS ST. CROIX LLC-
COMMUNICATIONS LINE
154 E 2ND STREET
P.O. BOX 446
NEW RICHMOND, WI 54017
(715) 243-7014 MOBILE: (715) 781-1488
TERRY.DORR@FRONTIERCORP.COM

ROB DOOLEY
ST. CROIX ELECTRIC COOPERATIVE -
ELECTRICITY
1925 RIDGEWAY STREET
P.O. BOX 160
HAMMOND, WI 54015-5039
(715) 796-7000 MOBILE: (715) 781-2295
ROBDOO@SCEC.NET

USH 12-STH 29 (DUNN COUNTY)

GREG ADAMS (CEDAR CORPORATION)
ON BEHALF OF
CITY OF MENOMONIE
SANITARY SEWER, ELECTRICITY, WATER
604 WILSON AVENUE
MENOMONIE, WI 54751-2734
(715) 235-9081 MOBILE: (715) 308-6552
GREG.ADAMS@CEDARCORP.COM

MEGAN BOLDIG
XCEL ENERGY - GAS
320 HELLER ROAD
MENOMONIE, WI 54751
(715) 232-7412
MEGAN.BOLDIG@XCELENERGY.COM

XCEL ENERGY
24-HOUR EMERGENCY (GAS)
800-895-2999

STH 64-STH 27 (CHIPPEWA COUNTY)

JOHN WESTABY
CITY OF CORNELL
SANITARY SEWER, ELECTIRCITY, WATER
P.O. BOX 796
CORNELL, WI 54732-0796
(715) 239-3710
CORNELLUTILITYDEPT@CENTURYTEL.NET

LEWIS KNAPP
WE ENERGIES - GAS
104 W. SOUTH STREET
RICE LAKE, WI 54868
(715) 234-9605 MOBILE: (715) 419-2196
LEWIS.KNAPP@WE-ENERGIES.COM

WE ENERGIES
24-HOUR EMERGENCY (GAS)
800-261-5325

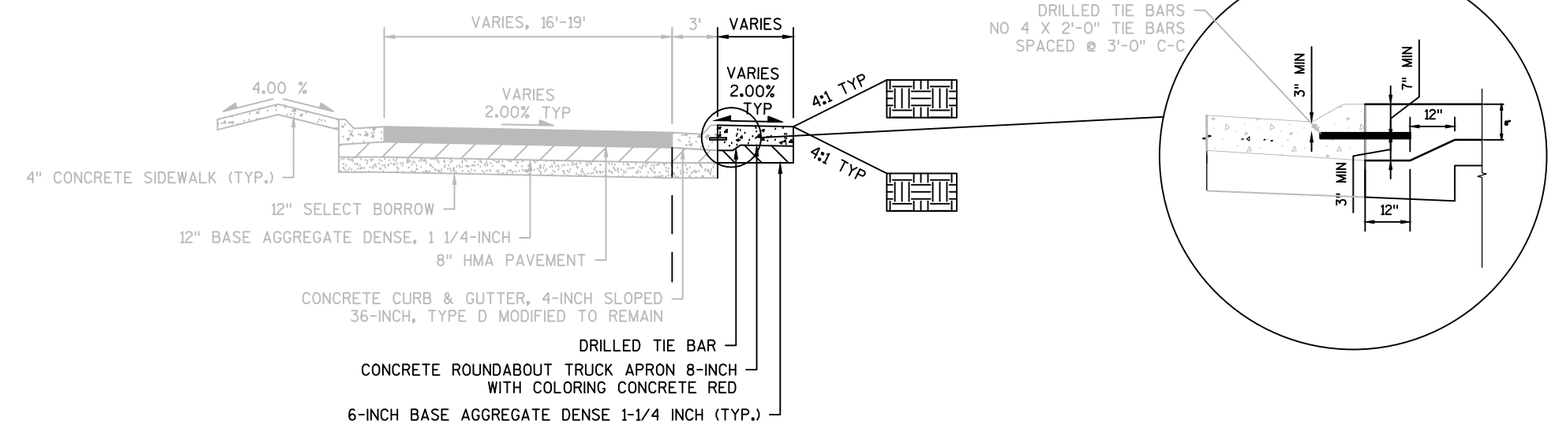
STH 64-STH 73 NORTH (TAYLOR COUNTY)
STH 64-STH 73 SOUTH (TAYLOR COUNTY)

JIM ARQUETTE
CENTURYLINK - COMMUNICATION LINE
TELEPHONE USA OF WISCONSIN, LLC
SHELDON, WI 54766
(715) 452-5168 MOBILE: (715) 563-8295
JIM.ARQUETTE@CENTURYLINK.COM

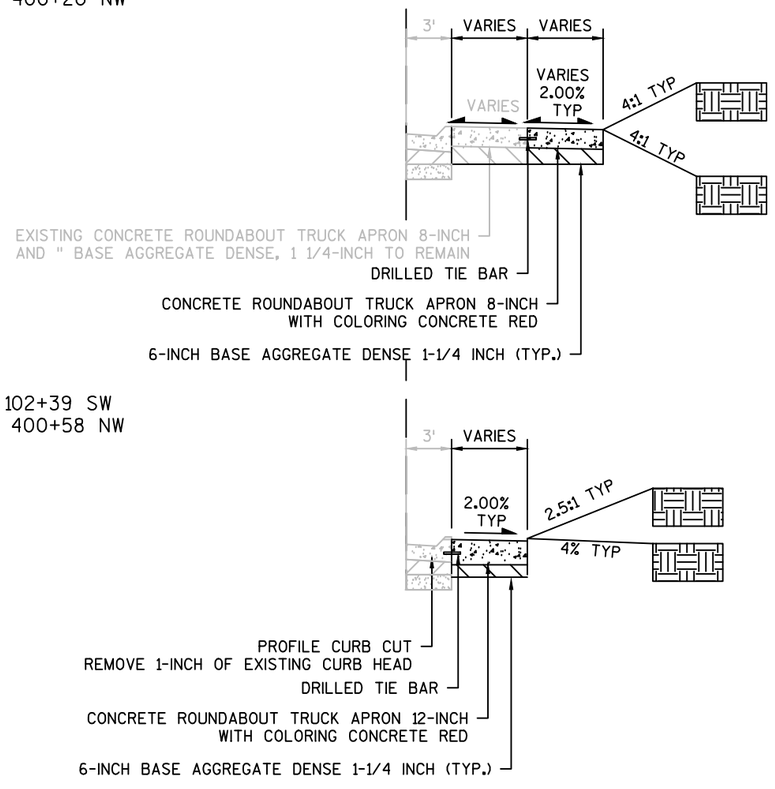
KURT CHILDS
DAIRYLAND POWER COOPERATIVE -
ELECTRICITY
3200 EAST AVENUE SOUTH
P.O. BOX 817
LA CROSSE, WI 54602
(608) 788-4000
KDC@DAIRYNET.COM

HANK LEW
JUMP RIVER ELECTRIC COOPERATIVE -
ELECTRICITY
1102 WEST 9TH STREET NORTH
P.O. BOX 99
LADYSMITH, WI 54848
(715) 532-5524
HLEW@JREC.NET

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



STA. 100+00 SW - STA. 100+89 SW
STA. 400+00 NW - STA. 400+20 NW



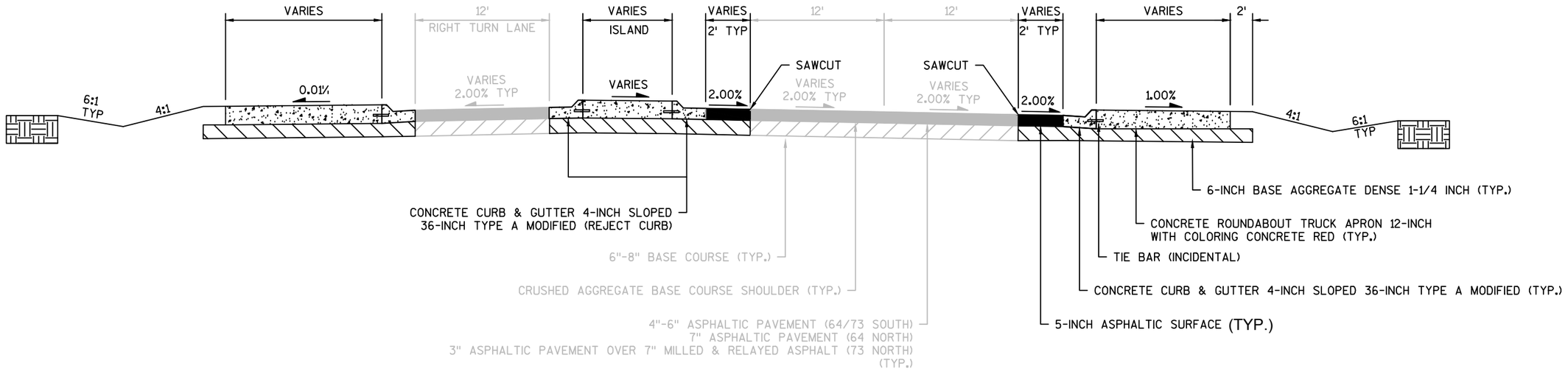
STA. 100+89 SW - STA. 102+39 SW
STA. 400+20 NW - STA. 400+58 NW

STA. 300+00 NE - STA. 301+23 NE

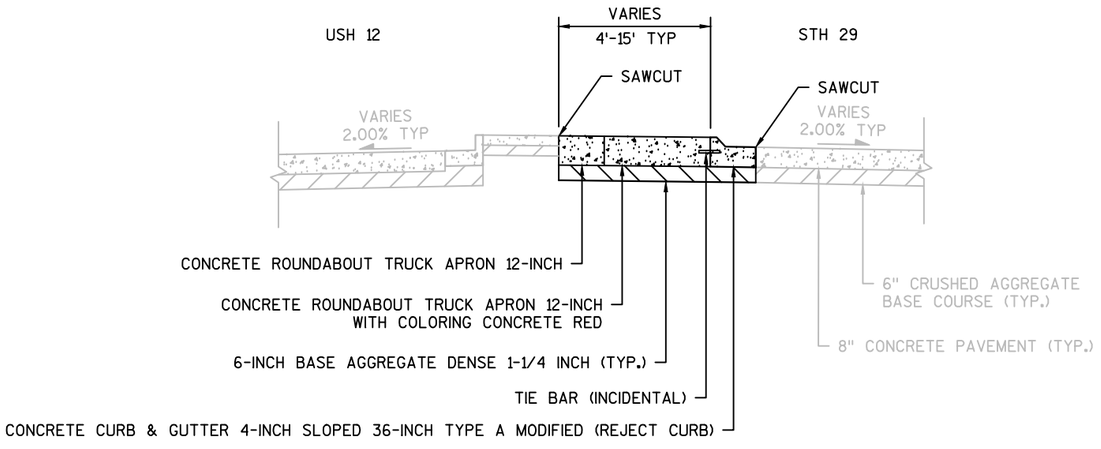
TYPICAL SECTION

USH 63/STH 46/STH 64

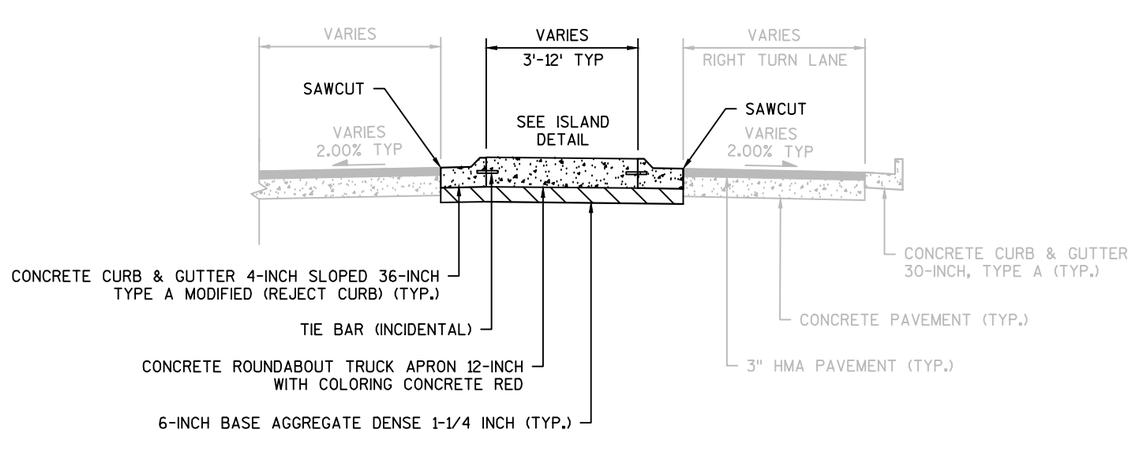
PROJECT NO: 1000-08-89	HWY: VARIOUS	COUNTY: VARIOUS	PLAN: TYPICAL SECTIONS	SHEET 3	E



TYPICAL SECTION
STH 64/STH 73

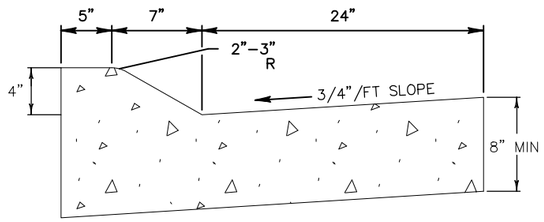


TYPICAL SECTION
USH 12/STH 29

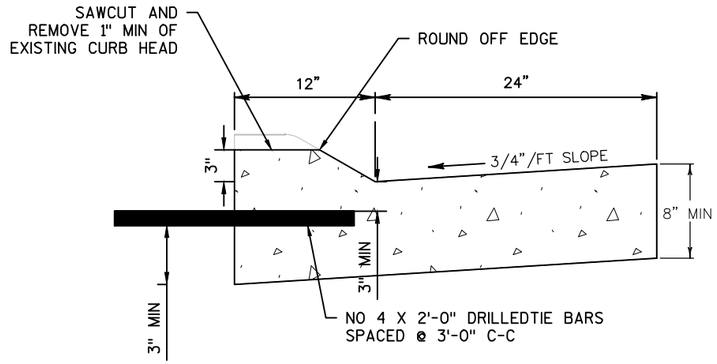


TYPICAL SECTION
STH 27/STH 64

PROJECT NO: 1000-08-89	HWY: VARIOUS	COUNTY: VARIOUS	PLAN: TYPICAL SECTIONS	SHEET 4	E



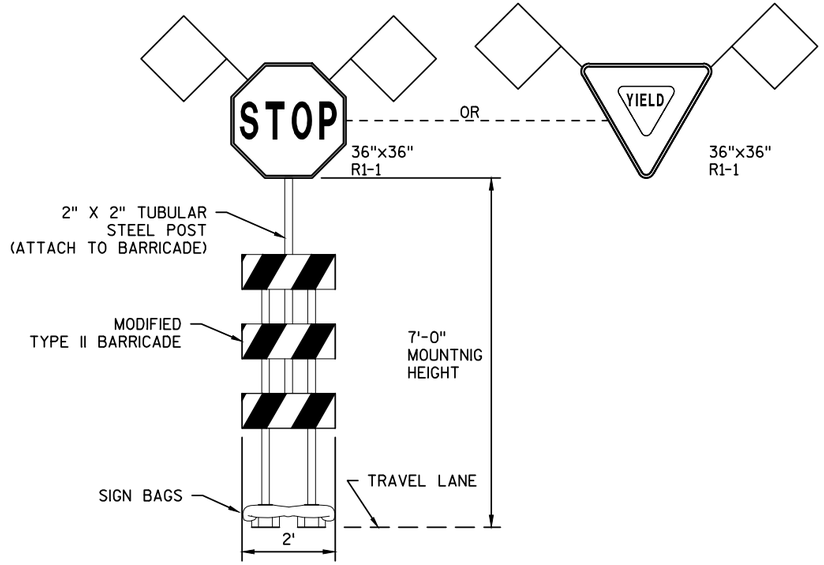
DETAIL FOR CONCRETE CURB & GUTTER,
4-INCH SLOPED 36-INCH TYPE A MODIFIED



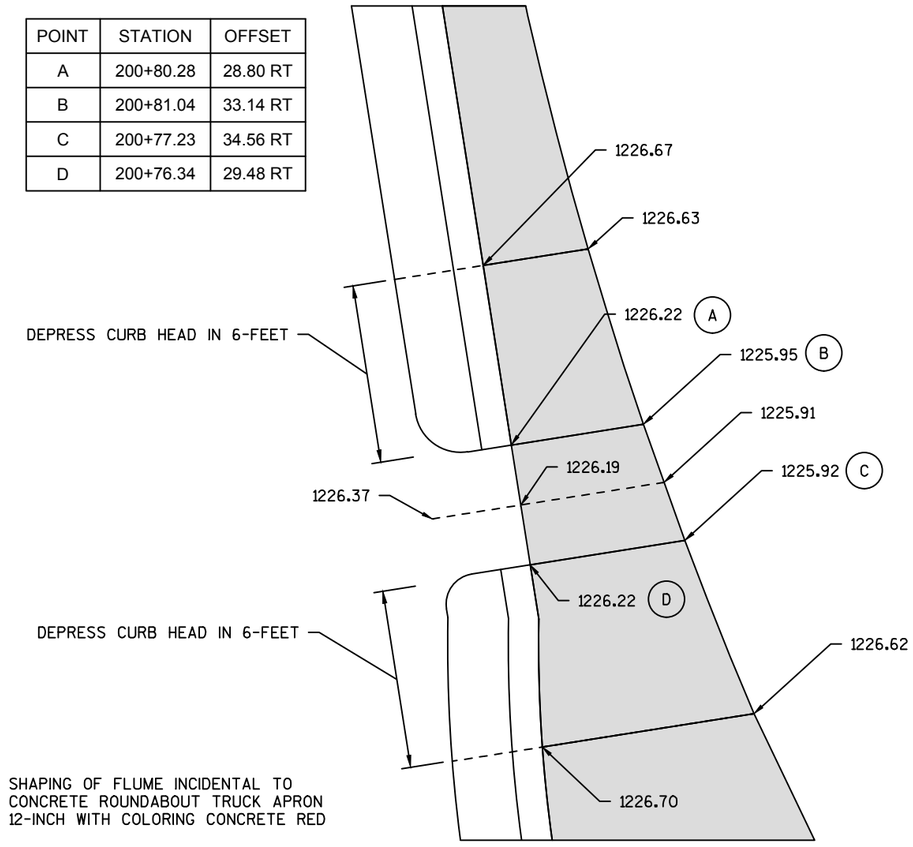
DETAIL FOR PROFILE CURB CUT
FOR EXISTING CONCRETE CURB & GUTTER
4-INCH SLOPED 36-INCH TYPE A

USH 63-STH 46-STH 64

TEMPORARY STOP/YIELD SIGN DETAIL



POINT	STATION	OFFSET
A	200+80.28	28.80 RT
B	200+81.04	33.14 RT
C	200+77.23	34.56 RT
D	200+76.34	29.48 RT



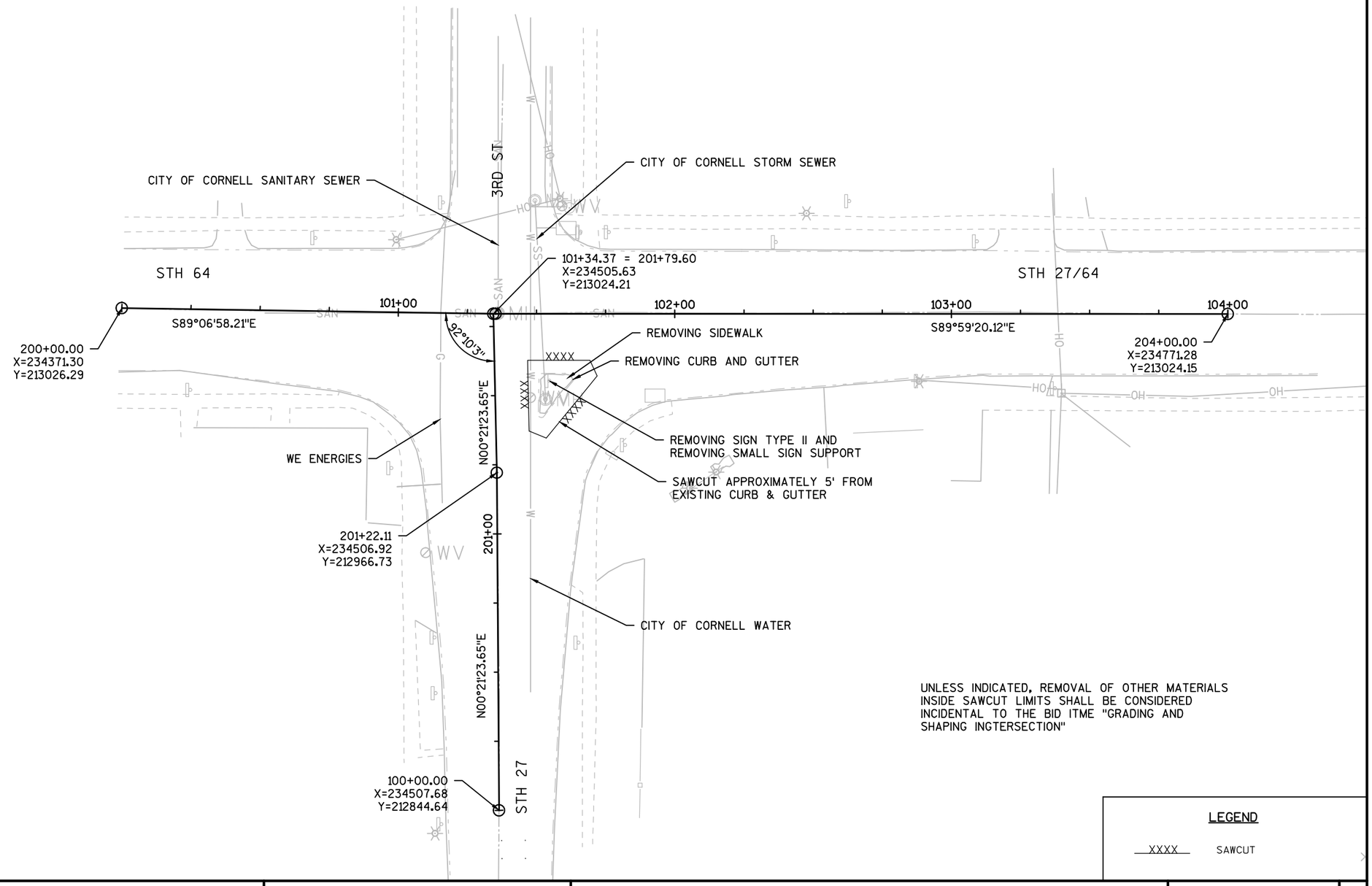
SHAPING OF FLUME INCIDENTAL TO
CONCRETE ROUNDABOUT TRUCK APRON
12-INCH WITH COLORING CONCRETE RED

FLUME DETAIL

STH 64 - STH 73 SOUTH

PROJECT NO: 1000-08-89	HWY: VARIOUS	COUNTY: VARIOUS	CONSTRUCTION DETAILS	SHEET 5	E

2

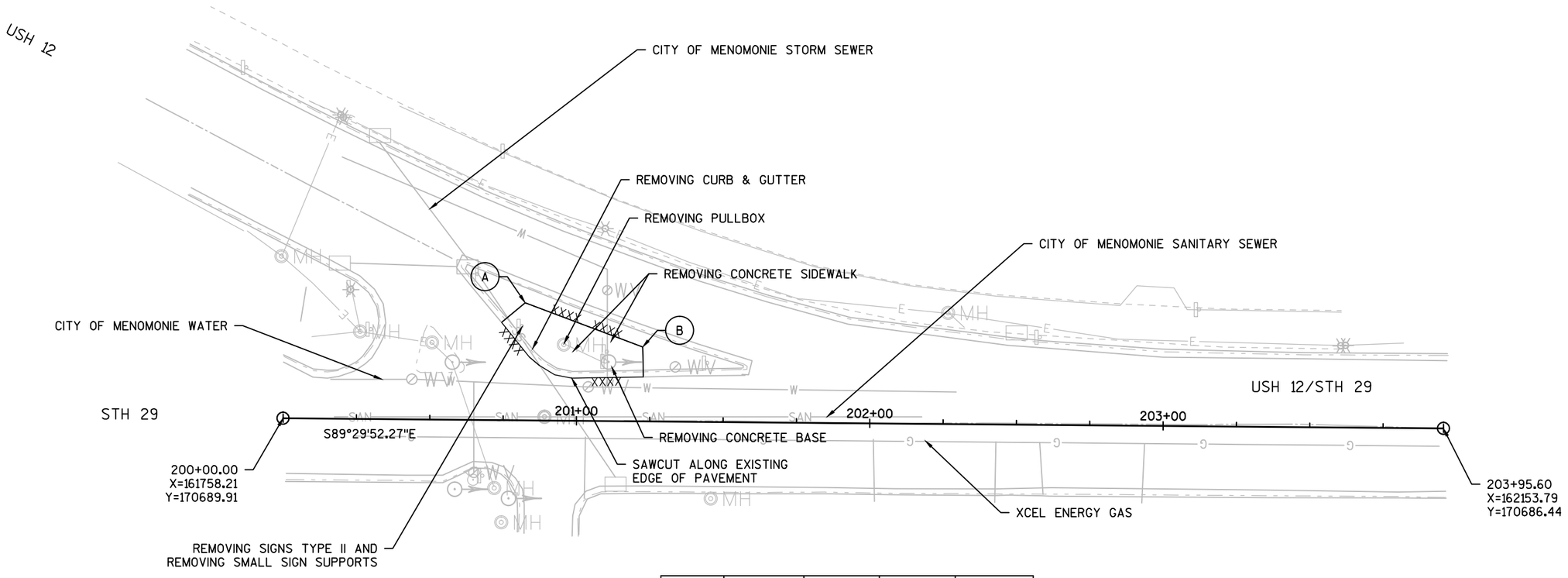


PROJECT NO:1000-08-89	HWY: STH 27 - STH 64	COUNTY: CHIPPEWA	PLAN DETAILS - REMOVALS	SHEET 6	E

FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809 - STH64_STH27 CORNELL\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021201-PD
PLOT DATE : 2/1/2016 10:32 AM
PLOT BY : TYLER BALSIGER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N



POINT	STATION	OFFSET	X	Y
A	200+82.19	40.05 LT	161840.75	170729.24
B	201+22.38	25.30 LT	161880.80	170714.14

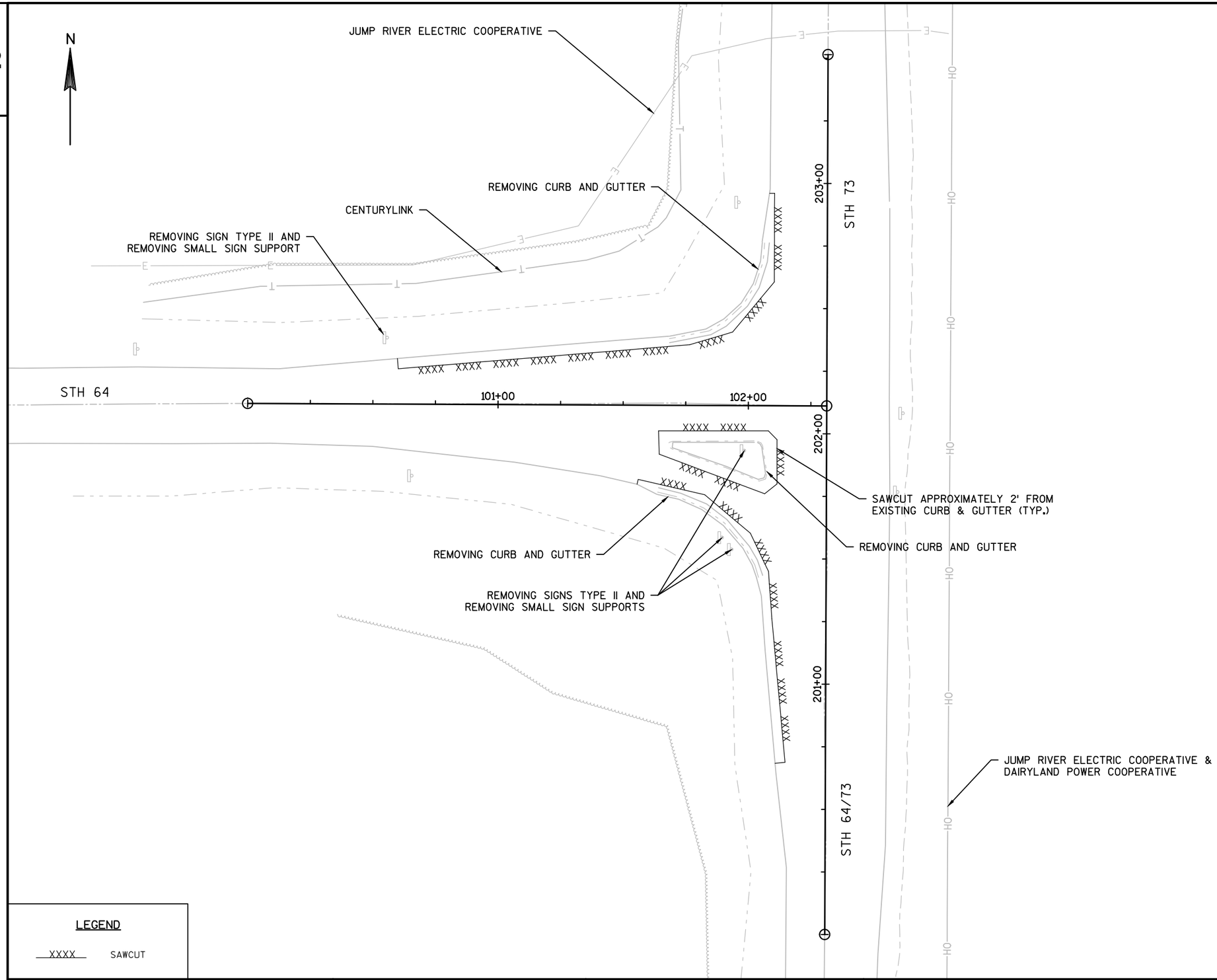
LEGEND

XXXX SAWCUT

PROJECT NO:1000-08-89	HWY:USH 12 - STH 29	COUNTY:DUNN	PLAN DETAILS - REMOVALS	SHEET 7	E

FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809 - USH12_STH29 MENOMONIE\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021201-PD
PLOT DATE : 1/6/2016 1:46 PM PLOT BY : TYLER BALSIGER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

XXXX SAWCUT

PROJECT NO:1000-08-89	HWY: STH 64-STH 73-NORTH	COUNTY: TAYLOR	PLAN DETAILS - REMOVALS	SHEET 8	E

FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809 - STH64_STH73 N\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021201-PD
PLOT DATE : 1/6/2016 3:53 PM PLOT BY : TYLER BALSIGER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

STH 64/73

202+00

201+00

REMOVING CURB AND GUTTER

WETLANDS

REMOVING SIGNS TYPE II AND
REMOVING SMALL SIGN SUPPORTS

REMOVING CURB AND GUTTER

WETLANDS

STH 73

101+00

102+00

103+00

STH 64

REMOVING CURB AND GUTTER

SAWCUT APPROXIMATELY 2' FROM
EXISTING CURB & GUTTER (TYP.)

DAIRYLAND POWER COOPERATIVE

CENTURYLINK

CENTURYLINK

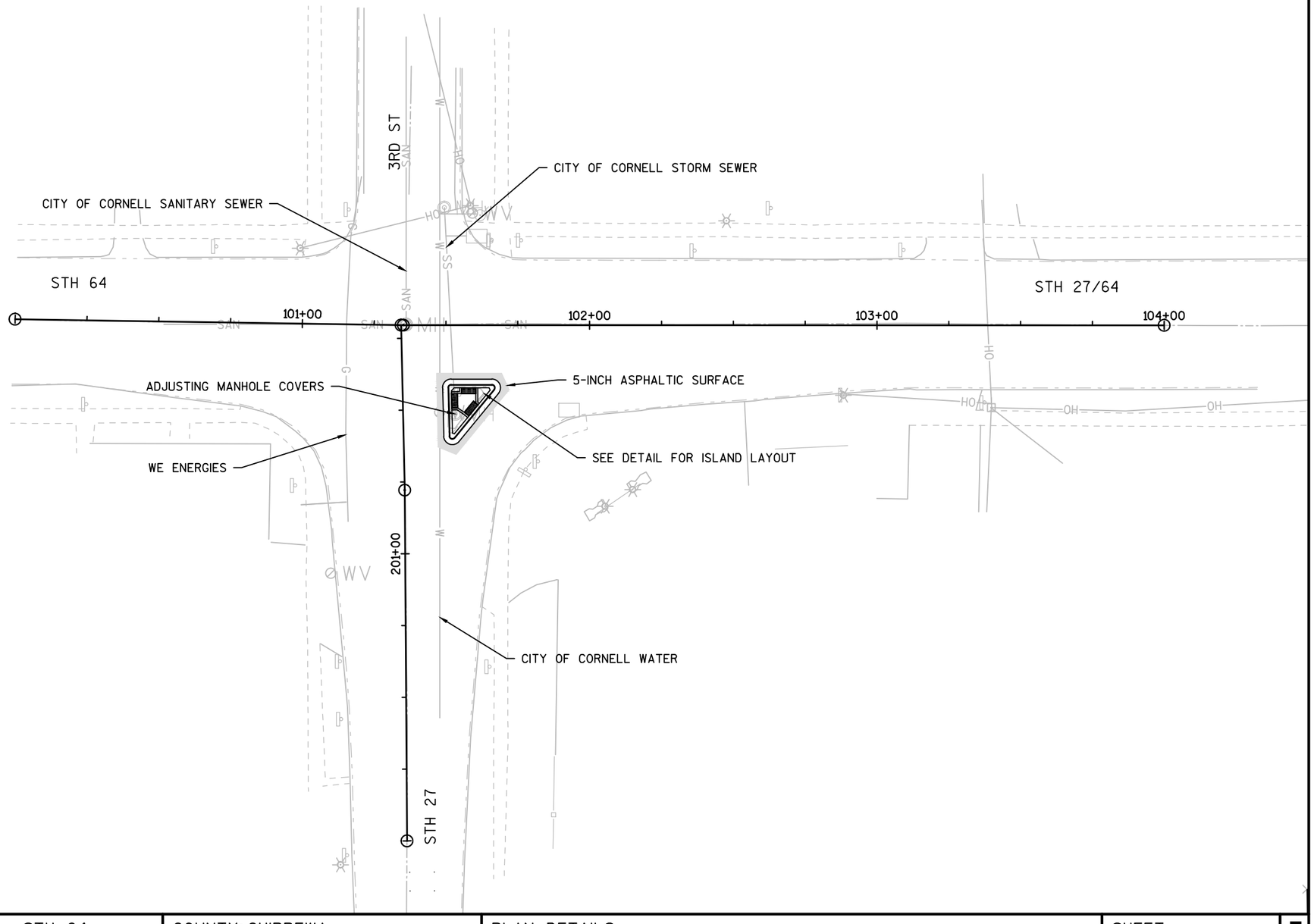
JUMP RIVER ELECTRIC COOPERATIVE

LEGEND

XXXX SAWCUT

PROJECT NO: 100-08-89	HWY: STH 64-STH73-SOUTH	COUNTY: TAYLOR	PLAN DETAILS - REMOVALS	SHEET 9	E

2



PROJECT NO:1000-08-89	HWY: STH 27 - STH 64	COUNTY: CHIPPEWA	PLAN DETAILS	SHEET 10	E

NOTE: SHADED AREAS REPRESENT FULL CURB HEIGHT OF 4".

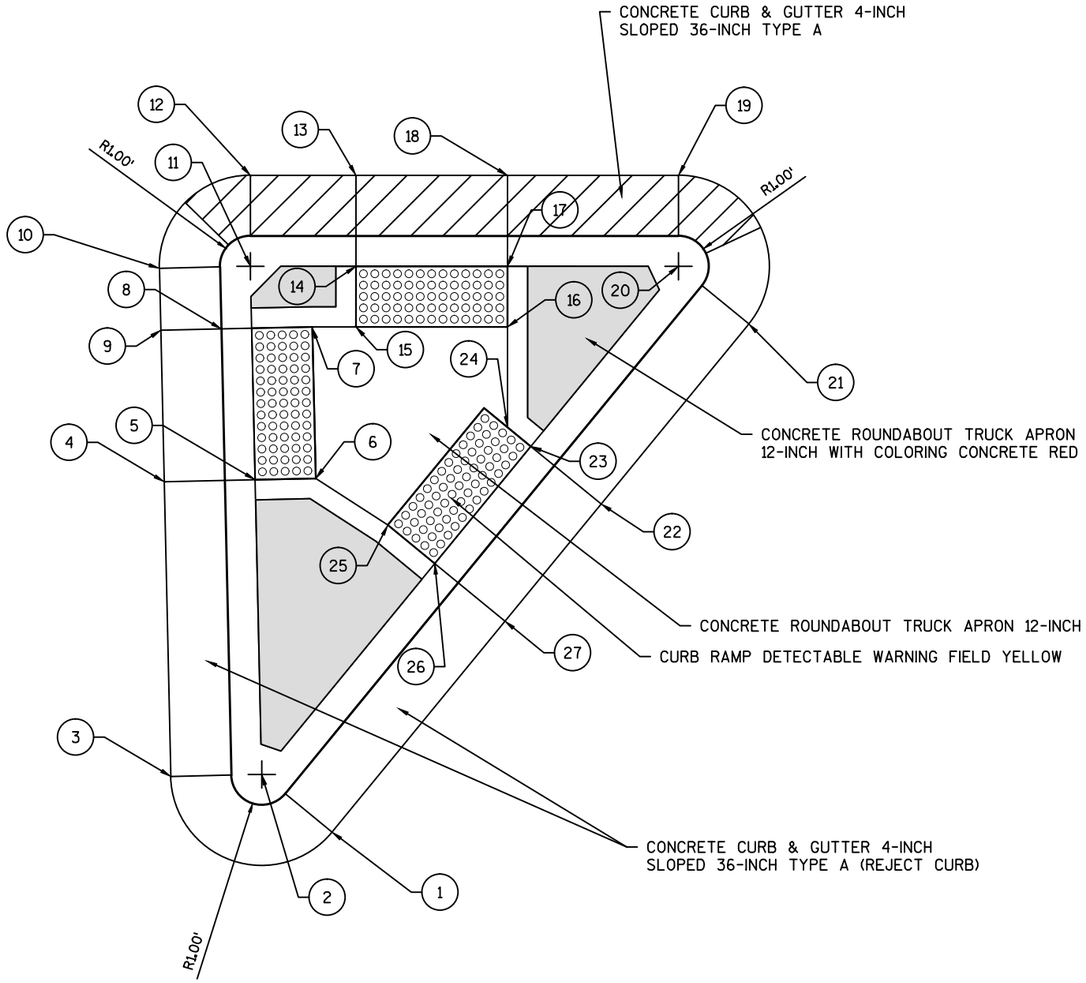
STH 64

STH 27/64

N

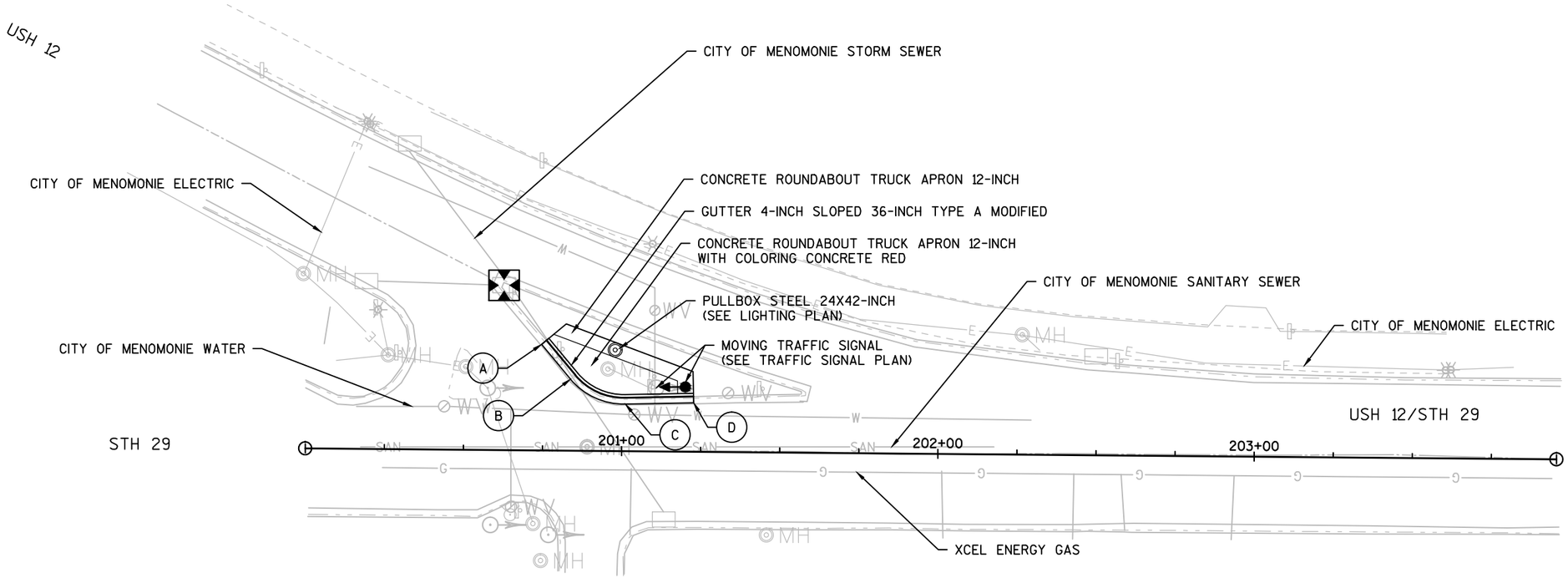
201+50

STH 27



POINT	STATION	OFFSET	ELEVATION
1	201+38.66	19.28 RT	1074.16
2	201+40.68	17.00 RT	--
3	201+40.68	14.00 RT	1074.26
4	201+50.34	14.00 RT	1074.68
5	201+50.34	17.00 RT	1074.80
6	201+50.33	19.00 RT	1074.93
7	201+55.34	19.00 RT	1075.15
8	201+55.34	17.00 RT	1075.02
9	201+55.34	14.00 RT	1074.90
10	201+57.38	14.00 RT	1075.02
11	201+57.38	17.00 RT	--
12	201+60.38	17.06 RT	1075.34
13	201+60.30	20.55 RT	1075.36
14	201+57.30	20.48 RT	1075.32
15	201+55.30	20.44 RT	1075.19
16	201+55.19	25.44 RT	1075.22
17	201+57.19	25.48 RT	1075.35
18	201+60.19	25.55 RT	1075.39
19	201+60.06	31.19 RT	1075.45
20	201+57.07	31.12 RT	--
21	201+55.11	33.40 RT	1075.21
22	201+49.49	28.40 RT	1074.79
23	201+51.23	26.12 RT	1074.91
24	201+51.89	25.36 RT	1074.98
25	201+48.74	21.34 RT	1074.79
26	201+47.44	22.86 RT	1074.65
27	201+45.49	25.14 RT	1074.53

2



POINT	STATION	OFFSET	X	Y	ELEVATION
A	200+74.44	43.69 LT	161832.94	170722.73	873.95
B	200+83.66	22.60 LT	161842.07	170711.78	874.06
C	201+01.09	14.83 LT	161859.43	170703.86	874.26
D	201+22.67	15.51 LT	161881.01	170704.31	874.49

LEGEND

INLET PROTECTION

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEVATION
1	N/A	CONTROL POINT X=607,156.7220, Y=401,247.9910	1063.141
2	N/A	CONTROL POINT X=607,482.7110, Y=401,416.2510	1061.455

400+00.00, -2.01' LT
400+20.03, -4.11' LT
400+20.43, -2.34' LT
400+58.05, -2.05' LT
CONCRETE ROUNDABOUT TRUCK APRON 8-INCH WITH COLORING CONCRETE RED
EXISTING CURB & GUTTER AND EXISTING CONCRETE TRUCK APRON TO REMAIN
℄ NW-EP
STH 46
BM #2
SAWING CONCRETE TO NEAREST JOINT
SEE DETAIL FOR NE QUAD CURB AND PAVEMENT TRANSITION DETAILS
FRONTIER (TYP.)
301+23.06, -8.62' LT
301+17.15, -8.57' LT
301+12.11, -8.45' LT
℄ NE-EP
CONCRETE ROUNDABOUT TRUCK APRON 12-INCH WITH COLORING CONCRETE RED
300+10.00, -2.02' LT
300+00.00, -1.97' LT
EDGE OF EXISTING CONCRETE TRUCK APRON (TYP.)
WISDOT STREET LIGHTING (TYP.)
REMOVE EXISTING CONCRETE TRUCK APRON WITHOUT DAMAGING ADJACENT CURB & GUTTER
PROFILE CURB CUT (REMOVE 1"OF EXISTING CURB HEAD) (SEE PROFILE CURB CUT CONSTRUCTION DETAIL)
USH 63/STH 64
STH 64
100+00.00, -1.97' LT
100+81.88, -17.95' LT
100+82.50, -15.97' LT
℄ SW-EP
101SW
102SW
ST. CROIX ELEC COOP (OVERHEAD) (TYP.)
CONCRETE ROUNDABOUT TRUCK APRON 8-INCH WITH COLORING CONCRETE RED
BM #1
EXISTING RW (TYP)
EXISTING CURB & GUTTER AND EXISTING CONCRETE TRUCK APRON TO REMAIN
SLOPE INTERCEPT (TYP)
102+39.34, -2.01' LT
USH 63
NOTE: SEE ALIGNMENT DETAILS FOR ALIGNMENT INFORMATION

LEGEND

- ###### EROSION MAT URBAN CLASS I TYPE A
- SILT FENCE
- INLET PROTECTION TYPE C
- TEMPORARY DITCH CHECK

PROJECT NO:1000-08-89	HWY:USH 63-STH 46-STH 64	COUNTY:ST. CROIX	PLAN DETAIL	SHEET 13 E

2

NOTE: SIGNS HAVE TUBULAR STEEL POST. TOP OF SIGN BASE TO BE INSTALLED FLUSH WITH CONCRETE TRUCK APRON.

FRONTIER

ST. CROIX ELEC COOP (OVERHEAD)

EXISTING RW (TYP)

MOVE AND INSTALL ON NEW POST

101 YIELD

102 TO TRAFFIC FROM LEFT

SAWING CONCRETE TO NEAREST JOINT

1.7%

301+23.06, -8.62' LT

301+17.15, -8.57' LT

CURB PROFILE & APRON TRANSITION

12'

2.0%

30'

301+12.11, -8.45' LT

CONCRETE ROUNDABOUT TRUCK APRON 12-INCH WITH COLORING CONCRETE RED

WISDOT STREET LIGHTING

REMOVE EXISTING CONCRETE TRUCK APRON WITHOUT DAMAGING ADJACENT CURB & GUTTER

SLOPE INTERCEPT (TYP)

CURB PROFILE TRANSITION

2'

300+10.00, -2.02' LT

300+00.00, -1.97' LT

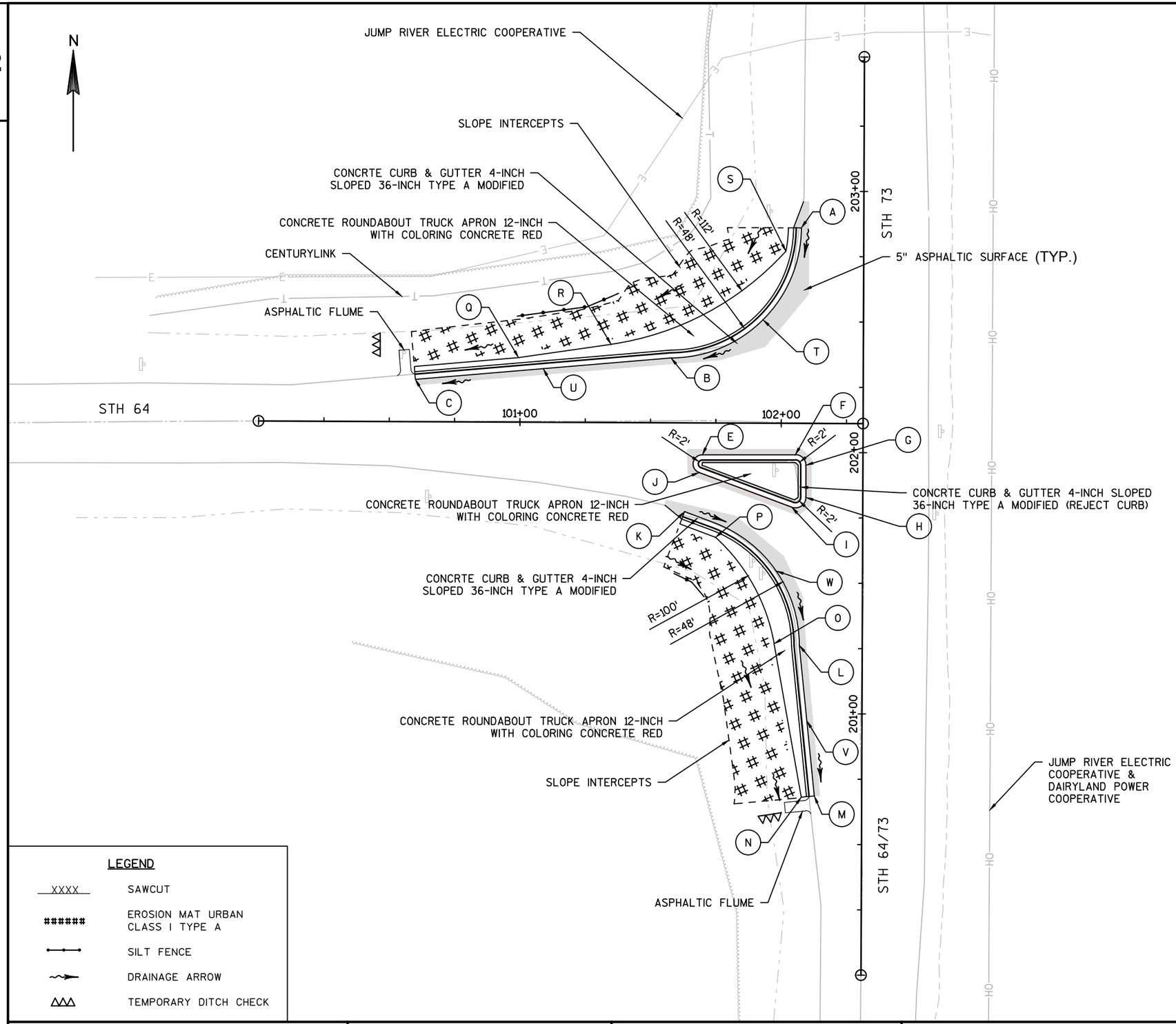
PROFILE CURB CUT (REMOVE 1" OF EXISTING CURB HEAD) (SEE PROFILE CURB CUT CONSTRUCTION DETAIL)

USH 63/STH 64

N

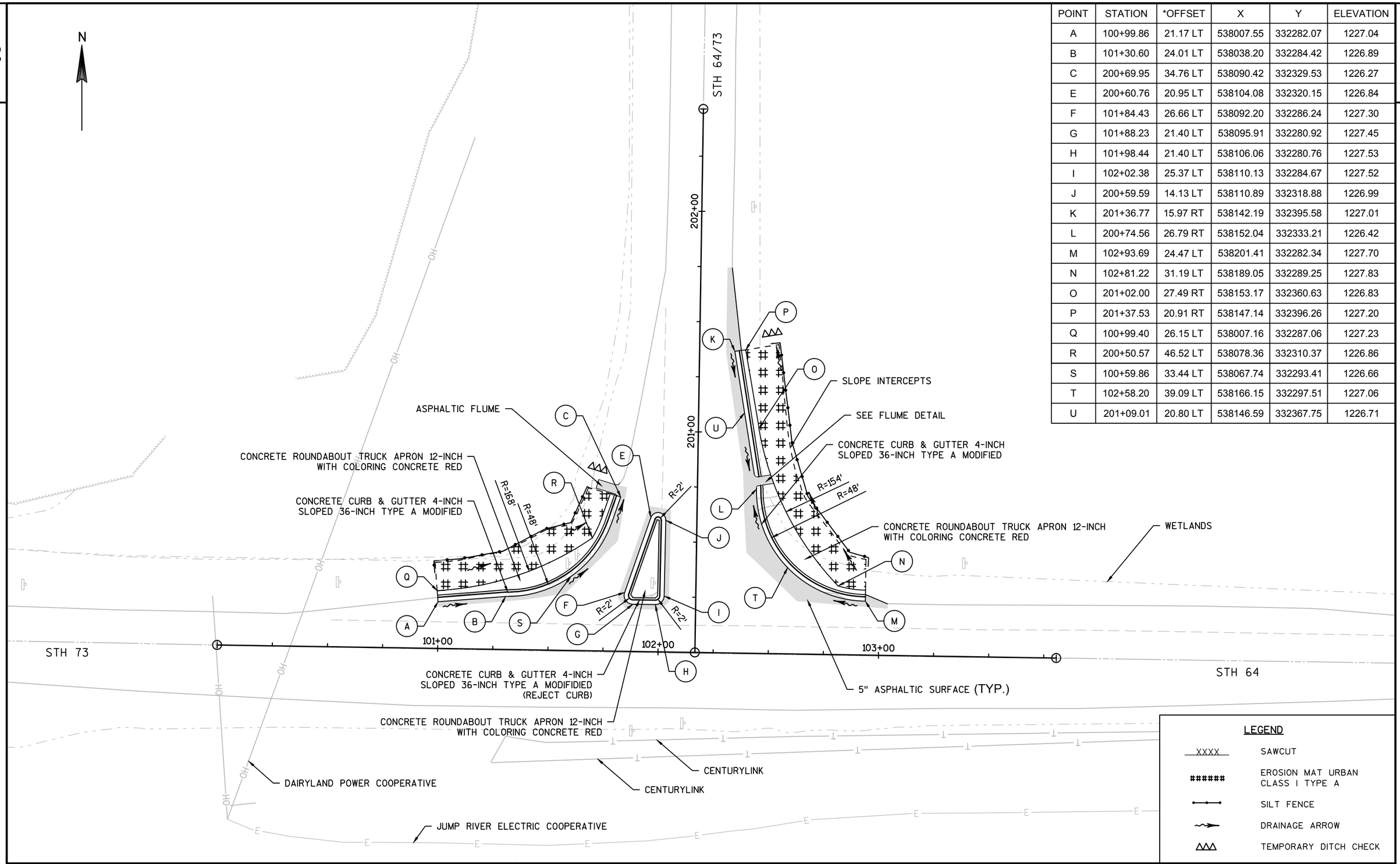
PROJECT NO:1000-08-89	HWY:USH 63-STH 46-STH 64	COUNTY:ST. CROIX	PLAN DETAIL - NE CURB	SHEET 14	E

FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809-USH63_STH4664\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021202-PD
PLOT DATE : 2/18/2016 3:46 PM PLOT BY : TYLER BALSIGER PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



POINT	STATION	*OFFSET	X	Y	ELEVATION
A	202+85.95	23.89 LT	536969.47	349585.69	1240.38
B	101+57.77	24.78 LT	536919.62	349535.87	1238.91
C	100+59.95	16.16 LT	536821.77	349527.67	1237.67
E	101+69.88	12.22 RT	536931.63	349498.82	1239.50
F	201+99.08	25.82 LT	536967.18	349498.82	1239.89
G	201+95.09	21.81 LT	536971.20	349494.82	1239.85
H	201+82.77	21.76 LT	536971.20	349482.51	1239.68
I	201.79.00	27.14 LT	536965.82	349478.75	1239.57
J	101+68.70	19.01 RT	536930.37	349492.04	1239.39
K	101+63.13	34.01 RT	536924.74	349477.06	1238.84
L	201+26.18	24.03 LT	536968.72	349425.92	1238.31
M	200+68.53	18.10 LT	536974.43	349368.25	1237.88
N	200+68.02	23.07 LT	536969.45	349367.76	1238.07
O	201+26.73	33.70 LT	536959.05	349426.51	1238.45
P	101+75.04	43.81 RT	536936.61	349467.21	1238.92
Q	100+99.40	24.70 LT	536860.25	349535.04	1238.37
R	101+34.64	29.92 LT	536896.52	349541.11	1238.79
S	202+76.94	29.81 LT	536963.52	349576.70	1240.37
T	202+50.71	38.41 LT	536954.82	349550.50	1239.61
U	101+08.86	20.47 LT	536870.70	349531.77	1238.29
V	200+97.28	21.06 LT	536971.57	349397.02	1238.09
W	201+54.57	33.00 LT	536959.85	34945.35	1238.53

POINT	STATION	*OFFSET	X	Y	ELEVATION
A	100+99.86	21.17 LT	538007.55	332282.07	1227.04
B	101+30.60	24.01 LT	538038.20	332284.42	1226.89
C	200+69.95	34.76 LT	538090.42	332329.53	1226.27
E	200+60.76	20.95 LT	538104.08	332320.15	1226.84
F	101+84.43	26.66 LT	538092.20	332286.24	1227.30
G	101+88.23	21.40 LT	538095.91	332280.92	1227.45
H	101+98.44	21.40 LT	538106.06	332280.76	1227.53
I	102+02.38	25.37 LT	538110.13	332284.67	1227.52
J	200+59.59	14.13 LT	538110.89	332318.88	1226.99
K	201+36.77	15.97 RT	538142.19	332395.58	1227.01
L	200+74.56	26.79 RT	538152.04	332333.21	1226.42
M	102+93.69	24.47 LT	538201.41	332282.34	1227.70
N	102+81.22	31.19 LT	538189.05	332289.25	1227.83
O	201+02.00	27.49 RT	538153.17	332360.63	1226.83
P	201+37.53	20.91 RT	538147.14	332396.26	1227.20
Q	100+99.40	26.15 LT	538007.16	332287.06	1227.23
R	200+50.57	46.52 LT	538078.36	332310.37	1226.86
S	100+59.86	33.44 LT	538067.74	332293.41	1226.66
T	102+58.20	39.09 LT	538166.15	332297.51	1227.06
U	201+09.01	20.80 LT	538146.59	332367.75	1226.71



LEGEND

XXXX	SAWCUT
#######	EROSION MAT URBAN CLASS I TYPE A
	SILT FENCE
	DRAINAGE ARROW
	TEMPORARY DITCH CHECK

PROJECT NO: 100-08-89	HWY: STH 64-STH73-SOUTH	COUNTY: TAYLOR	PLAN DETAILS	SHEET 16	E

FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809 - STH64_STH73 S\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021202-PD
PLOT DATE : 1/5/2016 2:59 PM PLOT BY : TYLER BALSIGER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

3RD ST

STH 27/64

STH 64

101+00

102+00

103+0

STOP

300

R1-1
36"X36"

PM-6

PM-18

PM-8

PM-4

PM-6

PM-18

201+00

STH 27

NOTE: SIGN IN CONCRETE HAS TUBULAR STEEL POST. TOP OF SIGN BASE TO BE INSTALLED FLUSH WITH CONCRETE PAVEMENT.

PM-18	PAVEMENT MARKING STOPLINE 18-INCH (WHITE)
PM-8	PAVEMENT MARKING EPOXY 8-INCH (WHITE)
PM-6	PAVEMENT MARKING CROSSWALK 6-INCH (WHITE)
PM-4	PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
PM-C	PAVEMENT MARKING CURB EPOXY
PM-IN	PAVEMENT MARKING ISLAND NOSE EPOXY

LEGEND

EXISTING SIGN MOUNTED ON POST

PROPOSED SIGN MOUNTED ON POST

XXX DENOTES SIGN NUMBER

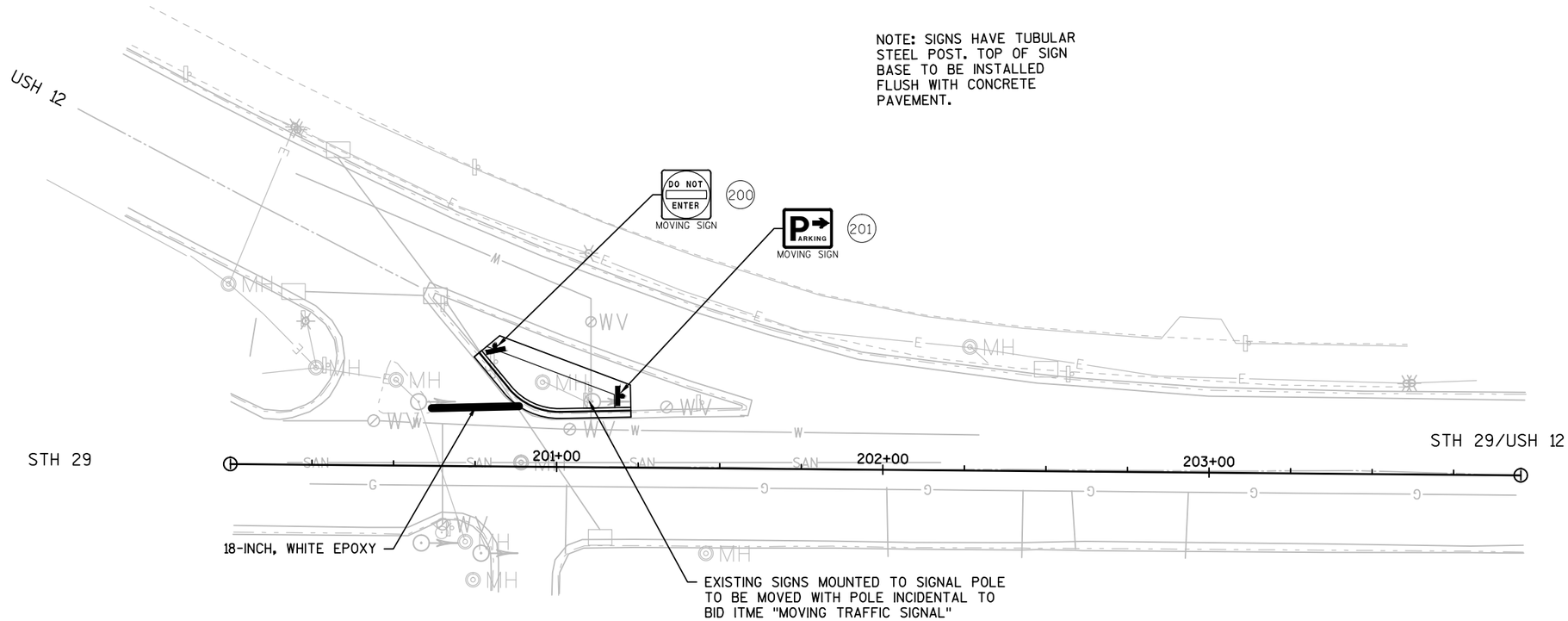
PROJECT NO: 1000-08-89	HWY: STH 27 - STH 64	COUNTY: CHIPPEWA	SIGNING AND MARKING	SHEET 17	E

FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809 - STH64_STH27 CORNELL\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-PS
PLOT DATE : 3/14/2016 11:40 AM PLOT BY : TYLER BALSIGER PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

N

NOTE: SIGNS HAVE TUBULAR STEEL POST. TOP OF SIGN BASE TO BE INSTALLED FLUSH WITH CONCRETE PAVEMENT.



LEGEND

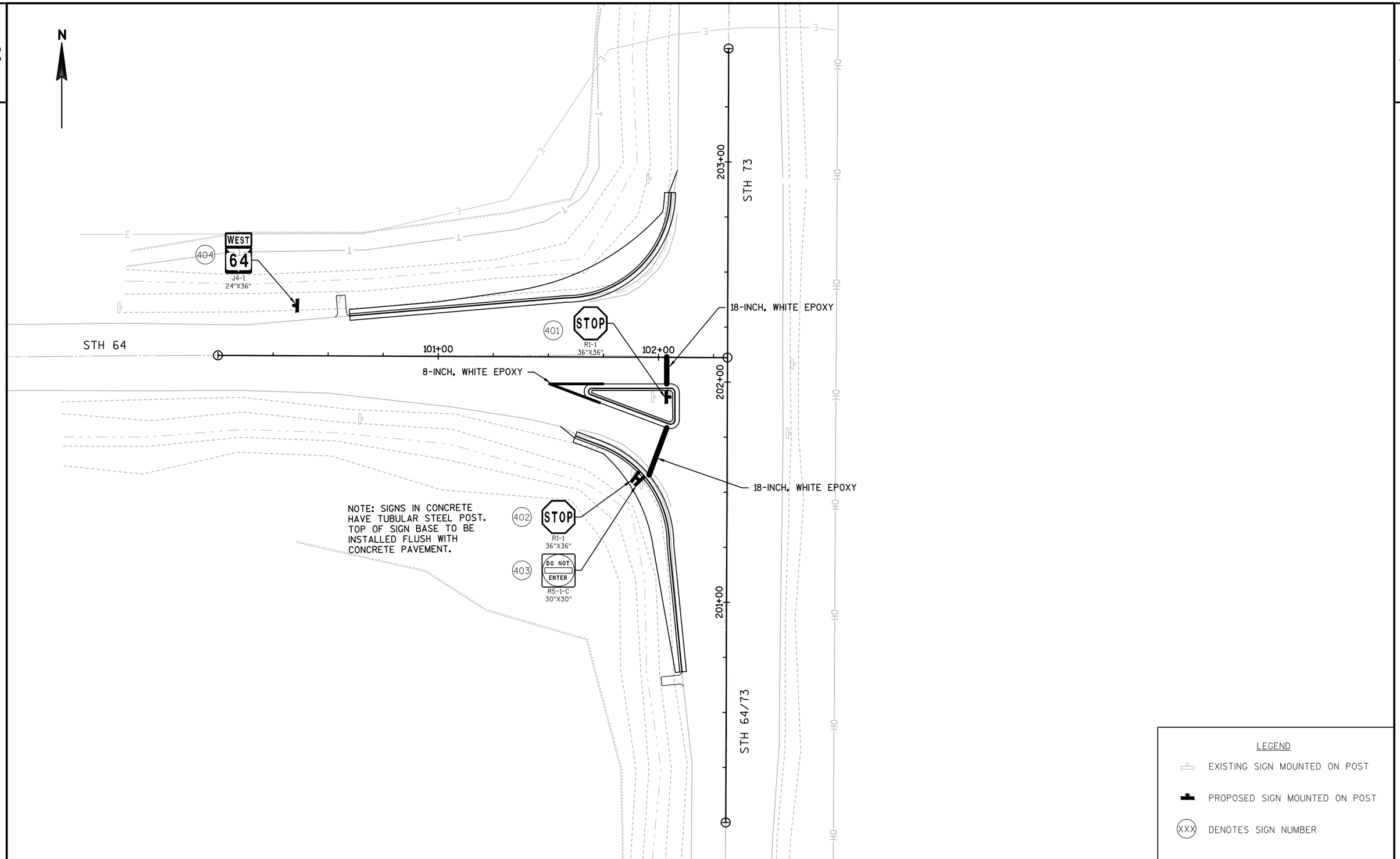
EXISTING SIGN MOUNTED ON POST

PROPOSED SIGN MOUNTED ON POST

XXX DENOTES SIGN NUMBER

PROJECT NO: 1000-08-89	HWY: USH 12 - STH 29	COUNTY: DUNN	SIGNING AND MARKING	SHEET 18	E

2



PROJECT NO: 1000-08-89	HWY: STH 64-STH 73-NORTH	COUNTY: TAYLOR	SIGNING AND MARKING	SHEET 19	E

FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809 - STH64_STH73 N\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-PS
PLOT DATE : 1/29/2016 2:04 PM PLOT BY : TYLER BALSIGER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

STH 64/73

202+00

201+00

4-INCH, WHITE EPOXY

8-INCH, WHITE EPOXY

502 STOP R1-1 36"X36"

503 DO NOT ENTER R5-1-C 30"X30"

NOTE: SIGNS IN CONCRETE HAVE TUBULAR STEEL POST. TOP OF SIGN BASE TO BE INSTALLED FLUSH WITH CONCRETE PAVEMENT.

18-INCH, WHITE EPOXY

18-INCH, WHITE EPOXY

101+00

102+00

103+00

STH 73

STH 64

501 STOP R1-1 36"X36"

504 DO NOT STOP ON TRACKS R8-8 24"X30"

75' WEST OF RAILROAD TRACKS

LEGEND

EXISTING SIGN MOUNTED ON POST

PROPOSED SIGN MOUNTED ON POST

XXX DENOTES SIGN NUMBER

PROJECT NO: 100-08-89	HWY: STH 64-STH73-SOUTH	COUNTY: TAYLOR	SIGNING AND MARKING	SHEET 20	E

FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809 - STH64_STH73 S\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-PS
PLOT DATE : 1/29/2016 2:09 PM PLOT BY : TYLER BALSIGER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

USH 12

STH 29

N

EXLP-1

A-1

SB-1

CUT EXISTING CONDUIT & ATTACH NEW CONDUIT WITH A WATERPROOF SEALED SLEEVE.

5 *6 AWG

BP: 200+00.00

200+50

201+00

201+50

NOTES:

1. WATERPROOF SEAL SHALL BE PLACED AROUND BOTH SIDES OF SLEEVE.
2. INSTALLATION OF SLEEVING, AND WATERPROOFING SHALL BE PAID FOR UNDER CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH

LIGHTING PLAN LEGEND

- EXISTING LIGHTING CONDUIT
- PROPOSED LIGHTING CONDUIT
- PROPOSED LIGHT/SIGNAL POLE

PROJECT NO: 1000-08-89	HWY: USH 12 - STH 29	COUNTY: DUNN	LIGHTING PLAN	SHEET 21	E

FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809 - USH12_STH29 MENOMONIE\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023601-LP
PLOT DATE : 1/22/2016 4:21 PM PLOT BY : TYLER BALSIGER PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

LIGHTING PLAN LEGEND

- EXISTING DISTRIBUTION CENTER
- CONDUIT- (2" UNLESS OTHERWISE NOTED)
- EXISTING CONDUIT
- CONCRETE BASE TYPE 5 WITH EXISTING LIGHT POLE, ARM MOUNTED LUMINAIRE
- EXISTING LIGHT POLE, ARM MOUNTED LUMINAIRE
- PULL BOX- (24"X42" UNLESS OTHERWISE NOTED)
- EXISTING PULL BOX

N

EXISTING CONCRETE BASE AND LIGHT POLE ASSEMBLY TO REMAIN

STH 46

FRONTIER (TYP.)

STA. 100+83.02'SW', 9.7' LT
REMOVE CONCRETE BASE AND MOVING LIGHTING ASSEMBLY

30NE

EXISTING PULLBOX AND LIGHT POLE ASSEMBLY TO REMAIN

WISDOT STREET LIGHTING (TYP.)

STH 64

ABANDON CONDUIT BETWEEN EXA-1 AND PB-3

EXB-1

EXA-1

USH 63/STH 64

REMOVE WIRE BETWEEN LIGHT POLE EXB-1 AND LIGHT POLE EXA-1

101SW

REMOVE WIRE BETWEEN LIGHT POLE EXA-1, PULL BOX EXPB-1 AND CABINET EXL800, ABANDON CONDUIT

EXL800

EXPB-1

EXISTING RW (TYP)

ST. CROIX ELEC COOP (OVERHEAD) (TYP.)

102SW

USH 63

EXPB-2

PROJECT NO:1000-08-89	HWY: USH 63-STH 46-STH 64	COUNTY: ST. CROIX	LIGHTING REMOVAL	SHEET 22	E

LIGHTING PLAN LEGEND

- EXISTING DISTRIBUTION CENTER
- CONDUIT- (2" UNLESS OTHERWISE NOTED)
- EXISTING CONDUIT
- CONCRETE BASE TYPE 5 WITH EXISTING LIGHT POLE, ARM MOUNTED LUMINAIRE
- EXISTING LIGHT POLE, ARM MOUNTED LUMINAIRE
- PULL BOX- (24"X42" UNLESS OTHERWISE NOTED)
- EXISTING PULL BOX

N

STH 46

FRONTIER (TYP.)

30NE

WISDOT STREET LIGHTING (TYP.)

STH 64

CUT EXISTING CONDUIT & ATTACH NEW CONDUIT WITH A WATERPROOF SEALED SLEAVE

ABANDON CONDUIT BETWEEN EXA-1 AND PB-3

EXB-1

PB-3

EXA-1

A-1

101SW

5-#8

STA. 100+00.00'SW', 7.0' LT, PB-3

5-#8

STA. 100+85.27'SW', 1.5' RT
INSTALL NEW CONCRETE BASE TYPE 5
MOVING LIGHT POLE ASSEMBLY

5-#8

EXL800

EXPB-1

ST. CROIX ELEC COOP (OVERHEAD) (TYP.)

INSTALL NEW CONDUIT INTO EXISTING PULLBOX

EXISTING RW (TYP)

NOTES:

1. WATERPROOF SEAL SHALL BE PLACED AROUND BOTH SIDES OF SLEEVE.
2. INSTALLATION OF SLEEVING, AND WATERPROOFING SHALL BE PAID FOR UNDER CONDUIT SPECIAL.

102SW

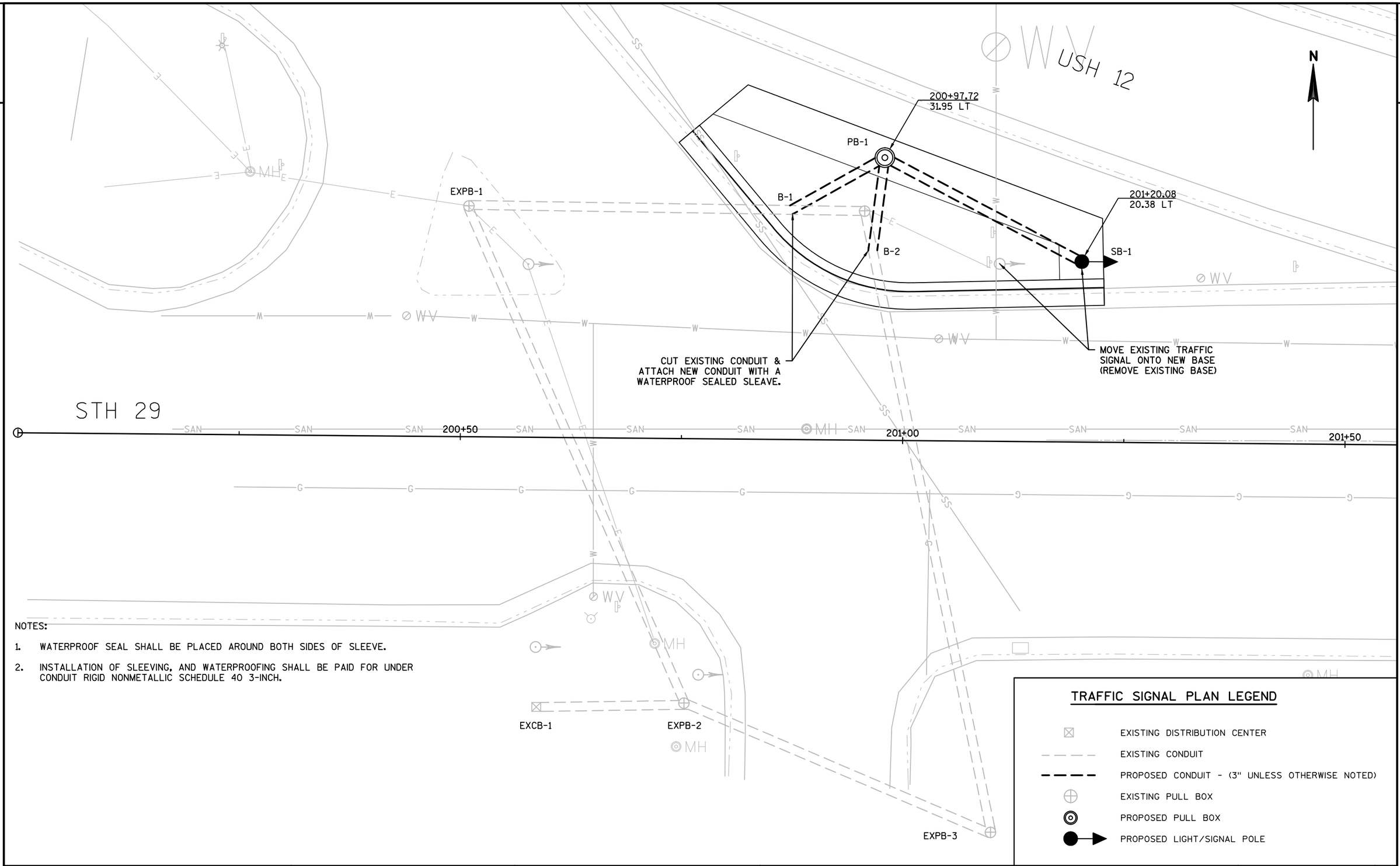
USH 63

USH 63/STH 64

EXPB-2

PROJECT NO:1000-08-89	HWY:USH 63-STH 46-STH 64	COUNTY:ST. CROIX	LIGHTING PLAN	SHEET 23	E

2



NOTES:

1. WATERPROOF SEAL SHALL BE PLACED AROUND BOTH SIDES OF SLEEVE.
2. INSTALLATION OF SLEEVING, AND WATERPROOFING SHALL BE PAID FOR UNDER CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH.

TRAFFIC SIGNAL PLAN LEGEND

- EXISTING DISTRIBUTION CENTER
- EXISTING CONDUIT
- PROPOSED CONDUIT - (3" UNLESS OTHERWISE NOTED)
- EXISTING PULL BOX
- PROPOSED PULL BOX
- PROPOSED LIGHT/SIGNAL POLE

PROJECT NO: 1000-08-89	HWY: USH 12 - STH 29	COUNTY: DUNN	TRAFFIC SIGNAL PLAN	SHEET 24	E

FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809 - USH12_STH29 MENOMONIE\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - 024201-SP
PLOT DATE : 1/22/2016 4:23 PM
PLOT BY : TYLER BALSIGER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

N

ROAD WORK AHEAD
W20-1-A

END ROAD WORK
G20-2A

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11A
24"x12"
ON
TYPE II BARRICADE

3RD ST

400'

STH 64

400'

ROAD WORK AHEAD
W20-1-A

STH 27/64

200'

ROAD WORK AHEAD
W20-1-A

200'

ROAD NARROWS
W05-1

10' MIN

12' MIN

TEMPORARY STOP SIGN
(SEE DETAIL)

SIDEWALK CLOSED
R9-9

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11A
24"x12"
ON
TYPE II BARRICADE

END ROAD WORK
G20-2A

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
24"x12"
ON
TYPE II BARRICADE
(PLACE AT 4TH ST)

USE FLAGGING OPERATION WHILE WORKING NEAR
TRAFFIC CONTROL DRUMS AS NECCESSARY

W20-7A

TEMPORARY PAVEMENT MARKING
REMOVABLE MASK-OUT TAPE 6-INCH

TEMPORARY PAVEMENT MARKING REMOVABLE
TAPE 4-INCH (DOUBLE YELLOW)

200'

ROAD NARROWS
W05-1

ROAD WORK AHEAD
W20-1-A

200'

END ROAD WORK
G20-2A

STH 27

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
24"x12"
ON
TYPE II BARRICADE
(PLACE AT BATES ST)

LEGEND

- WORK ZONE
- TRAFFIC CONTROL DRUM
- TYPE 3 BARRICADE WITH SIGN ATTACHED
- DIRECTION OF TRAFFIC

PROJECT NO: 1000-08-89	HWY: STH 27 - STH 64	COUNTY: CHIPPEWA	TRAFFIC CONTROL	SHEET 25	E

FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809 - STH64_STH27 CORNELL\SHEETSPLAN\025001-TC.DWG
LAYOUT NAME - 025001-TC
PLOT DATE : 1/29/2016 1:09 PM
PLOT BY : TYLER BALSIGER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

N

USH 12

END ROAD WORK
G20-2A

ROAD WORK AHEAD
W20-1-A

200'

W03-1

USE FLAGGING OPERATION WHILE WORKING NEAR TRAFFIC CONTROL DRUMS AS NECESSARY

W20-7A

TEMPORARY STOP SIGN (SEE DETAIL)

12' MIN

STH 29

END ROAD WORK
G20-2A

ROAD WORK AHEAD
W20-1-A

W03-1

FOR EB STH 29:
DURING TRAFFIC SIGNAL WORK,
OPEN TEMPORARY STOP SIGNS
ON EXISTING POLES

W03-1

ROAD NARROWS
W05-1

ROAD WORK AHEAD
W20-1-A

USH 12/STH 29

END ROAD WORK
G20-2A

LEGEND

WORK ZONE

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

PROJECT NO: 1000-08-89	HWY: USH 12 - STH 29	COUNTY: DUNN	TRAFFIC CONTROL	SHEET 26	E

FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809 - USH12_STH29 MENOMONIE\SHEETSPLAN\025001-TC.DWG
LAYOUT NAME - 025002-TC

PLOT DATE : 1/14/2016 3:22 PM PLOT BY : TYLER BALSIGER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

ROAD WORK AHEAD W20-1-A

1000'

TEMPORARY YIELD SIGN (SEE DETAIL)

END ROAD WORK G20-2A

N

USE FLAGGING OPERATION WHILE WORKING NEAR TRAFFIC CONTROL DRUMS AS NECCESSARY

TEMPORARY YIELD SIGN (SEE DETAIL)

ROAD WORK AHEAD W20-1-A

1000'

END ROAD WORK G20-2A

1000'

12.5' (TYP)

ROAD WORK AHEAD W20-1-A

TEMPORARY YIELD SIGN (SEE DETAIL)

END ROAD WORK G20-2A

1000'

ROAD WORK AHEAD W20-1-A

END ROAD WORK G20-2A

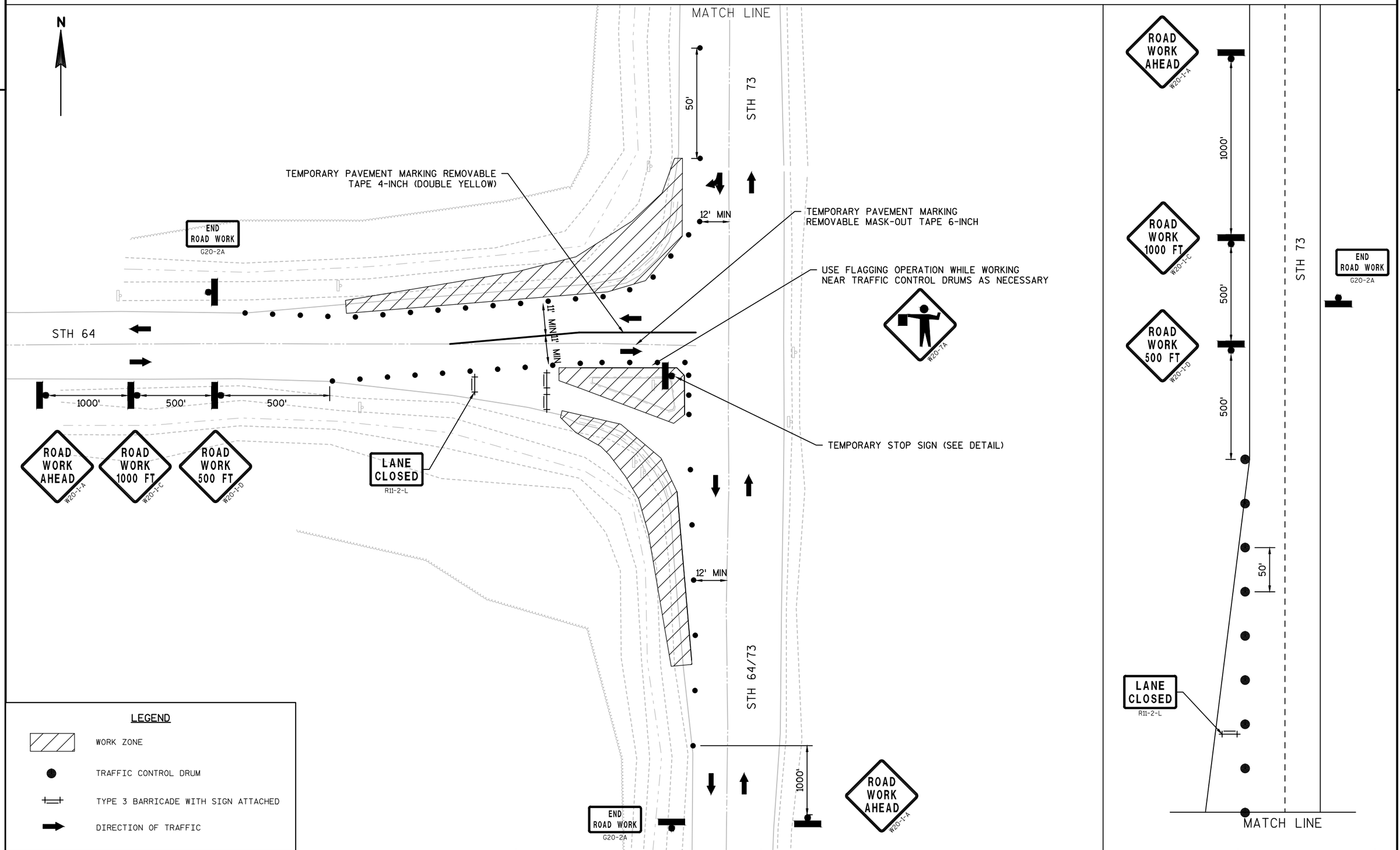
LEGEND

WORK ZONE

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

PROJECT NO:1000-08-89	HWY: USH 63-STH 46-STH 64	COUNTY: ST. CROIX	TRAFFIC CONTROL	SHEET 27	E



PROJECT NO: 1000-08-89	HWY: STH 64-STH 73-NORTH	COUNTY: TAYLOR	TRAFFIC CONTROL	SHEET 28	E

FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809 - STH64_STH73 N\SHEETSPLAN\025001-TC.DWG
LAYOUT NAME - 025004-TC
PLOT DATE : 1/22/2016 5:11 PM PLOT BY : TYLER BALSIGER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL DRUM
- TYPE 3 BARRICADE WITH SIGN ATTACHED
- DIRECTION OF TRAFFIC

N

STH 64/73

ROAD WORK AHEAD W20-1-A

1000'

ROAD WORK 1000 FT W20-1-C

500'

ROAD WORK 500 FT W20-1-D

500'

END ROAD WORK G20-2A

LANE CLOSED R11-2-L

TEMPORARY PAVEMENT MARKING REMOVABLE MASK-OUT TAPE 6-INCH

11' MIN

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)

ROAD WORK 500 FT W20-1-D

ROAD WORK 1000 FT W20-1-C

ROAD WORK AHEAD W20-1-A

END ROAD WORK G20-2A

11' MIN

12' MIN

500'

500'

1000'

50'

STH 73

STH 64/73

1000'

TEMPORARY STOP SIGN (SEE DETAIL)

USE FLAGGING OPERATION WHILE WORKING NEAR TRAFFIC CONTROL DRUMS

ROAD WORK AHEAD W20-1-A

W20-7A

END ROAD WORK G20-2A

LANE CLOSED R11-2-L

PROJECT NO: 100-08-89	HWY: STH 64-STH73-SOUTH	COUNTY: TAYLOR	TRAFFIC CONTROL	SHEET 29	E

NW-EP

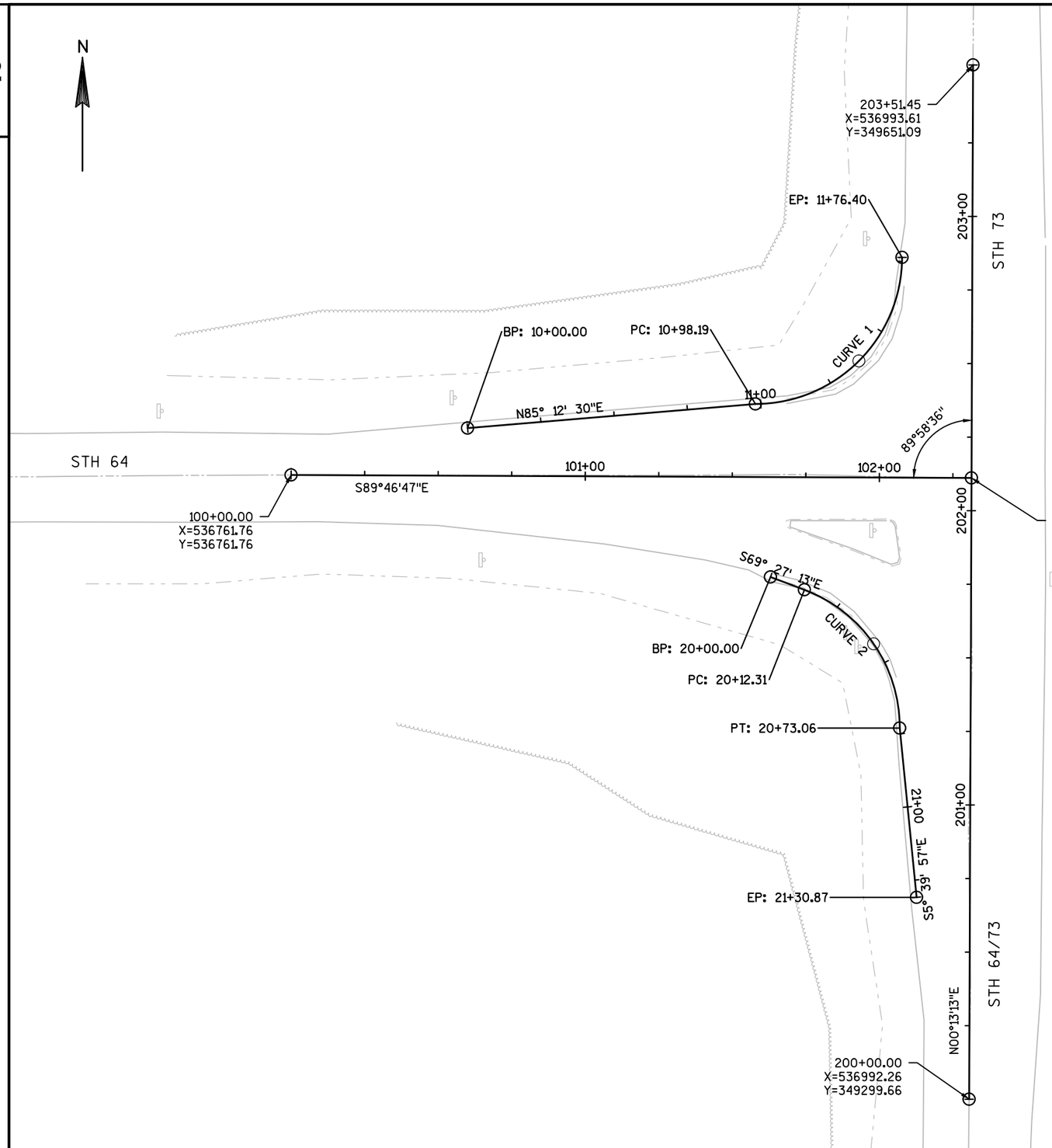
CURVE NUMBER	POINT	STATION		NORTHING (ft)	EASTING (ft)	RADIUS (ft)	DEGREE OF CURVATURE	DELTA	LENGTH (ft)	TANGENT (ft)
	POB	400+00.00	NW-EP	401,484.19	607,361.88					
3	PI	400+16.13	NW-EP	401,468.07	607,362.59	50	114° 35' 29.61"'	24° 21' 5.82"'	21.25	10.79
	PC	400+05.35	NW-EP	401,478.85	607,362.11					
	PT	400+26.60	NW-EP	401,458.06	607,358.58					
	POE	400+58.05	NW-EP	401,428.86	607,346.89					

SW-EP

CURVE NUMBER	POINT	STATION		NORTHING (ft)	EASTING (ft)	RADIUS (ft)	DEGREE OF CURVATURE	DELTA	LENGTH (ft)	TANGENT (ft)
	POB	100+00.00	SW-EP	401,307.75	607,165.41					
1	PI	101+47.93	SW-EP	401,307.35	607,313.33	165	34° 43' 28.97"'	78° 50' 15.43"'	227.04	135.62
	PC	100+12.30	SW-EP	401,308.00	607,177.71					
	PT	102+39.34	SW-EP	401,174.17	607,338.96					
	POE	102+39.34	SW-EP	401,174.17	607,338.96					

NE-EP

CURVE NUMBER	POINT	STATION		NORTHING (ft)	EASTING (ft)	RADIUS (ft)	DEGREE OF CURVATURE	DELTA	LENGTH (ft)	TANGENT (ft)
	POB	300+00.00	NE-EP	401,339.77	607,563.08					
2	PI	300+37.84	NE-EP	401,340.30	607,525.25	75	76° 23' 39.74"	22° 3' 44.15"'	28.88	14.62
	PC	300+23.22	NE-EP	401,340.10	607,539.87					
	PT	300+52.10	NE-EP	401,345.99	607,511.78					
	PI	300+96.73	NE-EP	401,363.33	607,470.65					
	PI	301+04.73	NE-EP	401,369.50	607,465.56					
	PI	301+14.23	NE-EP	401,377.00	607,459.73					
	POE	301+23.06	NE-EP	401,384.52	607,455.10					



NW-CURB

CURVE NUMBER	POINT	STATION		NORTHING (ft)	EASTING (ft)	RADIUS (ft)	DEGREE OF CURVATURE	DELTA	LENGTH (ft)	TANGENT (ft)
	POB	10+00.00	NW-EP	349,527.67	536,821.77					
1	PI	11+47.86	NW-CURB	349,536.02	536,969.29	50	114° 35' 29.61"'	87° 37' 11.97"'	78.21	49.67
	PC	10+98.19	NW-CURB	349,535.87	536,919.47					
	PT	11+76.40	NW-CURB	349,585.69	536,969.47					
	POE	11+76.40	NW-CURB	401,428.86	607,346.89					

SW-CURB

CURVE NUMBER	POINT	STATION		NORTHING (ft)	EASTING (ft)	RADIUS (ft)	DEGREE OF CURVATURE	DELTA	LENGTH (ft)	TANGENT (ft)
	POB	20+00.00	NW-CURB	349,477.06	536,924.74					
2	PI	20+47.07	NW-CURB	349,460.54	536,968.82	50	114° 35' 29.61"'	69° 36' 50.36"'	60.75	34.76
	PC	20+12.31	NW-CURB	349,472.74	536,936.27					
	PT	20+73.06	NW-CURB	349,425.92	536,918.72					
	PI	20+73.06	NW-CURB	349,425.78	536,968.72					
	POE	21+30.87	NW-CURB	349,368.25	536,974.43					

2

N

STH 64/73

200+00.00
X=538127.94
Y=332505.47

202+00

N00°53'48"E

201+00

20+00

PI: 20+00.00

S8° 58' 09"E

PC: 20+63.14

PT: 21+41.93

CURVE 2

21+00

PI: 10+00.00

PC: 10+12.37

10+00

PT: 10+74.87

CURVE 1

PI: 11+05.75

S85° 37' 17"W 11+00

100+00.00
X=537907.37
Y=332262.47

STH 73

S89°06'12"E

101+00

102+00

90°0'0"

103+00

STH 64

102+16.74 = 200+00.00
X=538124.09
Y=332259.08

103+80.63
X=538287.97
Y=332256.51

NW-CURB

CURVE NUMBER	POINT	STATION		NORTHING (ft)	EASTING (ft)	RADIUS (ft)	DEGREE OF CURVATURE	DELTA	LENGTH (ft)	TANGENT (ft)
	POB	10+00.00	NW-CURB	332,329.56	538,090.43					
1	PI	10+48.44	NW-CURB	332,283.85	538,074.40	50	114° 35' 29.61"'	71° 36' 57.99"'	62.50	36.07
	PC	10+12.37	NW-CURB	332,317.89	538,086.33					
	PT	10+74.87	NW-CURB	332,284.43	538,038.34					
	POE	11+05.75	NW-CURB	332,282.07	538,007.55					

NE-CURB

CURVE NUMBER	POINT	STATION		NORTHING (ft)	EASTING (ft)	RADIUS (ft)	DEGREE OF CURVATURE	DELTA	LENGTH (ft)	TANGENT (ft)
	POB	20+00.00	NE-CURB	332,395.58	538,142.19					
2	PI	20+47.07	NE-CURB	332,282.97	538,151.16	50	114° 35' 29.61"'	90° 16' 56.77"'	78.79	50.25
	PC	20+63.14	NE-CURB	332,333.21	538,152.04					
	PT	21+41.93	NE-CURB	332,282.34	538,201.41					
	POE	21+41.93	NE-CURB	332,282.34	538,201.41					

PROJECT NO: 100-08-89	HWY: STH 64-STH73-SOUTH	COUNTY: TAYLOR	ALIGNMENT DETAIL	SHEET 32	E

DATE 01MAR16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1000-08-89 QUANTITY
0010	204.0150	Removing Curb & Gutter	LF	520.000	520.000
0020	204.0155	Removing Concrete Sidewalk	SY	70.000	70.000
0030	204.0195	Removing Concrete Bases	EACH	2.000	2.000
0040	205.9010.S	Grading and Shaping Intersection (location) 01. STH 27 - STH 64	LS	1.000	1.000
0050	205.9010.S	Grading and Shaping Intersection (location) 02. USH 12 - STH 29	LS	1.000	1.000
0060	205.9015.S	Grading Shaping and Finishing Intersection (location) 01. USH 63-STH 46-STH 64	LS	1.000	1.000
0070	205.9015.S	Grading Shaping and Finishing Intersection (location) 02. STH 64 - STH 73 North	LS	1.000	1.000
0080	205.9015.S	Grading Shaping and Finishing Intersection (location) 03. STH 64 - STH 73 South	LS	1.000	1.000
0090	213.0100	Finishing Roadway (project) 01. 1000-08-89	EACH	1.000	1.000
0100	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	630.000	630.000
0110	405.0100	Coloring Concrete Red	CY	240.000	240.000
0120	416.0508	Concrete Roundabout Truck Apron 8-Inch	SY	310.000	310.000
0130	416.0512	Concrete Roundabout Truck Apron 12-Inch	SY	505.000	505.000
0140	416.0610	Drilled Tie Bars	EACH	175.000	175.000
0150	455.0605	Tack Coat	GAL	8.000	8.000
0160	465.0105	Asphaltic Surface	TON	100.000	100.000
0170	465.0315	Asphaltic Flumes	SY	12.000	12.000
0180	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	30.000	30.000
0190	611.8110	Adjusting Manhole Covers	EACH	1.000	1.000
0200	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1000-08-89	EACH	1.000	1.000
0210	619.1000	Mobilization	EACH	1.000	1.000
0220	620.0300	Concrete Median Sloped Nose	SF	130.000	130.000
0230	624.0100	Water	MGAL	8.000	8.000
0240	628.1504	Silt Fence	LF	820.000	820.000
0250	628.1520	Silt Fence Maintenance	LF	820.000	820.000
0260	628.1905	Mobilizations Erosion Control	EACH	5.000	5.000
0270	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000
0280	628.2006	Erosion Mat Urban Class I Type A	SY	1,140.000	1,140.000
0290	628.7015	Inlet Protection Type C	EACH	6.000	6.000
0300	628.7504	Temporary Ditch Checks	LF	3.000	3.000
0310	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	2.000	2.000
0320	634.0816	Posts Tubular Steel 2x2-Inch X 16-FT	EACH	7.000	7.000
0330	637.2210	Signs Type II Reflective H	SF	74.750	74.750
0340	638.2102	Moving Signs Type II	EACH	3.000	3.000
0350	638.2602	Removing Signs Type II	EACH	9.000	9.000
0360	638.3000	Removing Small Sign Supports	EACH	9.000	9.000
0370	638.4000	Moving Small Sign Supports	EACH	1.000	1.000
0380	643.0100	Traffic Control (project) 01. 1000-08-89	EACH	1.000	1.000
0390	646.0106	Pavement Marking Epoxy 4-Inch	LF	68.000	68.000
0400	646.0126	Pavement Marking Epoxy 8-Inch	LF	133.000	133.000
0410	647.0456	Pavement Marking Curb Epoxy	LF	114.000	114.000
0420	647.0566	Pavement Marking Stop Line Epoxy 18-Inch	LF	143.000	143.000
0430	647.0606	Pavement Marking Island Nose Epoxy	EACH	3.000	3.000
0440	647.0766	Pavement Marking Crosswalk Epoxy 6-Inch	LF	163.000	163.000

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DATE 01MAR16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1000-08-89 QUANTITY
0450	649.0400	Temporary Pavement Marking Removable Tape 4-Inch	LF	630.000	630.000
0460	649.0506	Temporary Pavement Marking Removable Mask-Out Tape 6-Inch	LF	630.000	630.000
0470	650.4500	Construction Staking Subgrade	LF	990.000	990.000
0480	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	820.000	820.000
0490	650.7000	Construction Staking Concrete Pavement	LF	940.000	940.000
0500	650.9910	Construction Staking Supplemental Control (project) 01. 1000-08-89	LS	1.000	1.000
0510	650.9920	Construction Staking Slope Stakes	LF	990.000	990.000
0520	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	138.000	138.000
0530	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	96.000	96.000
0540	653.0140	Pull Boxes Steel 24x42-Inch	EACH	2.000	2.000
0550	653.0905	Removing Pull Boxes	EACH	1.000	1.000
0560	654.0102	Concrete Bases Type 2	EACH	1.000	1.000
0570	654.0105	Concrete Bases Type 5	EACH	1.000	1.000
0580	655.0260	Cable Traffic Signal 12-14 AWG	LF	210.000	210.000
0590	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	210.000	210.000
0600	655.0620	Electrical Wire Lighting 8 AWG	LF	1,157.000	1,157.000
0610	655.0625	Electrical Wire Lighting 6 AWG	LF	560.000	560.000
0620	690.0150	Sawing Asphalt	LF	1,016.000	1,016.000
0630	690.0250	Sawing Concrete	LF	130.000	130.000
0640	715.0415	Incentive Strength Concrete Pavement	DOL	500.000	500.000
0650	SPV.0060	Special 01. Moving Lighting Assembly	EACH	1.000	1.000
0660	SPV.0060	Special 02. MovingTraffic Signal Assembly	EACH	1.000	1.000
0670	SPV.0090	Special 01. Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type A Modified	LF	820.000	820.000
0680	SPV.0090	Special 02. Profile Curb Cut	LF	135.000	135.000
0690	SPV.0090	Special 03. Concrete Curb & Gutter Cure and Seal Treatment	LF	820.000	820.000

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REMOVAL ITEMS AND SAWCUT ITEMS

STATION - STATION	LOCATION	204.0150 REMOVING CURB & GUTTER LF	204.0155 REMOVING CONCRETE SIDEWALK SY	204.0195 REMOVING CONCRETE BASES EACH	653.0905 REMOVING PULLBOXES EACH	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	COMMENTS
CATEGORY CODE 0010								
STH 27-STH 64								
201+38 - 201+61	RT	36	7	--	--	90	--	ISLAND
STH 27-STH 64 SUBTOTAL		36	7	--	--	90	--	
CATEGORY CODE 0020								
USH 12-STH 29								
200+76 - 201+23	LT	54	63	1	1	--	120	ISLAND
USH 12-STH 29 SUBTOTAL		54	63	1	1	--	120	
CATEGORY CODE 0030								
USH 63-STH 46-STH 64								
300+46'NE - 301+23'NE	LT	--	--	--	--	--	10	NE CURB
100+83'SW	RT	--	--	1	0	--	--	
USH 63-STH 46-STH 64 SUBTOTAL		--	--	1	--	--	10	
CATEGORY CODE 0040								
STH 64-STH 73 NORTH								
100+60 - 102+10	LT	60	--	--	--	200	--	NW CURB
101+56 - 102+15	RT	56	--	--	--	150	--	SW CURB
101+64 - 102+12	RT	94	--	--	--	127	--	ISLAND
STH 64-STH 73 NORTH SUBTOTAL		210	--	--	--	477	--	
CATEGORY CODE 0050								
STH 64-STH 73 SOUTH								
200+19 - 200+74	LT	71	--	--	--	122	--	NW CURB
200+21 - 201+75	RT	59	--	--	--	206	--	NE CURB
200+19 - 200+66	RT	90	--	--	--	121	--	ISLAND
STH 64-STH 73 SOUTH SUBTOTAL		220	--	--	--	449	--	
1000-08-89 TOTALS		**520**	**70**	**2**	**1**	**1,016**	**130**	

BASE AGGREGATE DENSE AND WATER ITEMS

STATION - STATION	LOCATION	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	624.0100 WATER MGAL
CATEGORY CODE 0010			
STH 27-STH 64			
	ISLAND	15	0.2
STH 27-STH 64 SUBTOTAL		15	0.2
CATEGORY CODE 0020			
USH 12-STH 29			
	ISLAND	27	0.3
USH 12-STH 29 SUBTOTAL		27	0.3
CATEGORY CODE 0030			
USH 63-STH 46-STH64			
100+00'SW' - 102+39'SW'	LT/RT	115	1.2
301+00'NE' - 301+23'NE'	LT/RT	40	0.4
400+00'NW' - 400+58'NW'	LT/RT	12	0.1
USH 63-STH 46-STH 64 SUBTOTAL		167	1.7
CATEGORY CODE 0040			
STH 64-STH 73 NORTH			
100+60 - 102+10	LT	101	1
101+56 - 102+15	RT	72	0.7
101+64 - 102+12	RT (ISLAND)	54	0.5
STH 64-STH 73 NORTH SUBTOTAL		227	2.2
CATEGORY CODE 0050			
STH 64-STH 73 SOUTH			
200+19 - 200+74	LT	52	1.2
200+21 - 201+75	RT	110	1.2
200+19 - 200+66	LT (ISLAND)	32	1.2
STH 64-STH 73 SOUTH SUBTOTAL		194	3.6
1000-08-89 TOTAL		**630**	**8.0**

CONCRETE PAVEMENT ITEMS

STATION - STATION	LOCATION	405.0100 COLORING CONCRETE RED CY	416.0508 CONCRETE ROUNDABOUT TRUCK APRON 8-INCH SY	416.0512 CONCRETE ROUNDABOUT TRUCK APRON 12-INCH SY	COMMENTS
CATEGORY CODE 0010 **STH 27-STH 64**					
201+45 - 201+56	RT	2	--	6	ISLAND
201+45 - 201+57	RT	2	--	7	ISLAND: COLORED SECTION
STH 27-STH 64 SUBTOTAL		4	--	13	
CATEGORY CODE 0020 **USH 12-STH 29**					
200+76 - 201+23	LT	13	--	40	ISLAND: COLORED SECTION
200+76 - 201+23	LT	8	--	22	ISLAND
USH 12-STH 29 SUBTOTAL		21	--	62	
CATEGORY CODE 0030 **USH 63-STH 46-STH 64**					
100+00'SW' - 102+39'SW'	LT	65	287	--	SW CURB
301+00'NE' - 301+23'NE'	LT	30	--	90	NE CURB
400+00'NW' - 400+58'NW'	LT	5	23	--	NW CURB
USH 63-STH46-STH 64 SUBTOTAL		100	310	90	
CATEGORY CODE 0040 **STH 64-STH 73 NORTH**					
100+60 - 102+04	LT	32	--	95	NW CURB
101+62 - 102+10	RT/LT	22	--	65	SW CURB
101+70 - 102+07	RT/LT	11	--	35	ISLAND
STH 64-STH 73 NORTH SUBTOTAL		65	--	195	
CATEGORY CODE 0050 **STH 64-STH 73 SOUTH**					
200+24 - 200+72	RT/LT	15	--	45	NW CURB
200+27 - 201+38	RT/LT	25	--	70	NE CURB
200+24 - 200+60	RT/LT	10	--	30	ISLAND
STH 64-STH 73 SOUTH SUBTOTAL		50	--	145	
1000-08-89 TOTALS		**240**	**310**	**505**	

GRADING AND SHAPING INTERSECTIONS

STATION - STATION	205.9010.S GRADING AND SHAPING INTSERSECTIONS LS	205.9015.S GRADING, SHAPING, AND FINISHING INTERSECTIONS ** LS	COMMENTS
CATEGORY CODE 0010 **STH 27-STH 64**			
STH 27-STH 64	1	--	205.9010.S.01
CATEGORY CODE 0020 **USH 12-STH 29**			
USH 12-STH 29	1	--	205.9010.S.02
CATEGORY CODE 0030 **USH 63-STH 46-STH 64**			
USH 63-STH 46-STH 64	--	1	205.9015.S.01
CATEGORY CODE 0040 **STH 64-STH 73 NORTH**			
STH 64-STH 73 NORTH	--	1	205.9015.S.02
CATEGORY CODE 0050 **STH 64-STH 73 SOUTH**			
STH 64-STH 73 SOUTH	--	1	205.9015.S.03
1000-08-89 TOTALS	**2**	**3**	

** FINISHING ITEMS INCLUDE EXCAVATION, TOPSOIL, FERTILIZER TYPE B, SEED MIX #20 AND TEMPORARY SEEDING.
ESTIMATED QUANTITIES FOR BIDDING PURPOSES PROVIDED BELOW

LOCATION	EXCAVATION COMMON CY	BORROW CY	TOPSOIL SY	FERTILIZER TYPE B CWT	SEED MIX NO. 20 LBS	SEED TEMPORARY LBS
USH 63-STH 46-STH64	120	20	280	0.2	10	10
STH 64-STH 73 NORTH	110	100	610	0.5	20	20
STH 64-STH 73 SOUTH	80	0	310	0.3	10	10
TOTALS	310	120	1,200	1	40	40

FINISHING ROADWAY

STATION - STATION	213.0100 FINISHING ROADWAY PROJECT EACH
CATEGORY CODE 0010 **STH 27-STH 64**	
STH 27-STH 64	0.2
CATEGORY CODE 0020 **USH 12-STH 29**	
USH 12-STH 29	0.2
CATEGORY CODE 0030 **USH 63-STH 46-STH 64**	
USH 63-STH 46-STH 64	0.2
CATEGORY CODE 0040 **STH 64-STH 73 NORTH**	
STH 64-STH 73 NORTH	0.2
CATEGORY CODE 0050 **STH 64-STH 73 SOUTH**	
STH 64-STH 73 SOUTH	0.2
1000-08-89 TOTALS	**1**

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ASPHALTIC ITEMS

STATION - STATION	LOCATION	465.0105 ASPHALTIC SURFACE TON	455.0605 TACK COAT GAL	465.0315 ASPHALTIC FLUMES SY	COMMENTS
CATEGORY CODE 0010					
STH 27-STH 64					
201+37 - 201+61	RT	5	1	--	
STH 27-STH 64 SUBTOTALS		5	1	--	
CATEGORY CODE 0040					
STH 64-STH 73 NORTH					
100+60 - 102+10	LT	20	2	4	NW CURB
101+56 - 102+15	RT	15	1	4	SW CURB
101+64 - 102+12	RT	10	1	--	ISLAND
STH 64-STH 73 NORTH SUBTOTALS		45	4	8	
CATEGORY CODE 0050					
STH 64-STH 73 SOUTH					
200+21 - 201+75	LT	30	3	--	NE CURB
200+19 - 200+74	RT	10	1	4	NW CURB
200+19 - 200+66	LT	10	1	--	ISLAND
STH 64-STH 73 SOUTH SUBTOTALS		50	3	4	
1000-08-89 TOTALS		**100**	**8**	**12**	

DRILLED TIE BARS

STATION	LOCATION	416.0610 DRILLED TIE BARS EACH
CATEGORY CODE 0020		
USH 12-STH 29		
200+75 - 201+24	LT	25
USH12-STH29 SUBTOTAL		25
CATEGORY CODE 0030		
USH 63-STH 46-STH 64		
100+00'SW' - 102+39'SW'	LT	85
300+00'NE' - 301+23'NE'	LT	45
400+00'NW' - 400+58'NW'	LT	20
USH63-STH46-STH64 SUBTOTAL		150
1000-08-89 TOTAL		**175**

DECTABLE WARNING FIELDS

STATION - STATION	602.0505 CURB RAMP DECTABLE WARNING FIELD YELLOW SF
CATEGORY CODE 0010	
STH 27-STH 64	
201+45 - 201+56	30
1000-08-89 TOTALS	**30**

CONCRETE CURB AND GUTTER ITEMS

STATION - STATION	LOCATION	SPV.0090.01 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A MODIFIED LF	SPV.0090.02 PROFILE CURB CUT LF	SPV.0090.03 CONCRETE CURB & GUTTER CURE AND SEAL TREATMENT LF	650.5500 CONSTRUCTION STAKING CURB, GUTTER AND CURB & GUTTER LF	COMMENTS
CATEGORY CODE 0010						
STH 27-STH 64						
201+43 - 201+57	RT	60	--	60	60	ISLAND
STH 27-STH 64SUBTOTALS		60	--	60	60	
CATEGORY CODE 0020						
USH 12-STH 29						
200+76 - 201+23	LT	55	--	55	55	ISLAND
USH 12-STH 29 SUBTOTALS		55	--	55	55	
CATEGORY CODE 0030						
USH 63-STH 46-STH64						
300+00'NE' - 301+23'NE'	LT	--	135	--	--	NE CURB
USH 63-STH 46-STH64 SUBTOTALS		--	135	--	--	
CATEGORY CODE 0040						
STH 64-STH 73 NORTH						
100+60 - 102+05	LT	175	--	175	175	NW CURB
101+62 - 102+11	RT	130	--	130	130	SW CURB
101+68 - 102+08	RT	95	--	95	95	ISLAND
STH 64-STH 73 NORTH SUBTOTALS		400	--	400	400	
CATEGORY CODE 0050						
STH 64-STH 73 SOUTH						
200+23 - 200+71	LT	105	--	105	105	NW CURB
200+26 - 201+37	RT	110	--	110	110	NE CURB
200+23 - 200+61	LT	90	--	90	90	ISLAND
STH 64-STH 73 SOUTH SUBTOTALS		305	--	305	305	
		820	**135**	**820**	**820**	

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SILT FENCE ITEMS

STATION - STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 MAINTENANCE LF
CATEGORY CODE 0030			
USH 63-STH 46-STH64			
100+00 'SW' - 102+40 'SW'	RT	250	250
300+00 'NE' - 301+23 'NE'	RT	130	130
400+00 'NW' - 400+58 'NW'	RT	10	10
UNDISTRIBUTED		100	100
63/46/64 SUBTOTALS		490	490
CATEGORY CODE 0040			
STH 64-STH 73 NORTH			
100+98 - 101+37	LT	40	40
101+60 - 101+700	RT	16	16
UNDISTRIBUTED		14	14
64/73 NORTH SUBTOTALS		70	70
CATEGORY CODE 0050			
STH 64-STH 73 SOUTH			
200+29 - 200+72	LT	90	90
200+36 - 201+41	RT	120	120
UNDISTRIBUTED		50	50
64/73 SOUTH SUBTOTALS		260	260
1000-08-89 TOTALS		**820**	**820**

INLET PROTECTION

LOCATION	628.7015 TYPE C EA	COMMENT
CATEGORY CODE 0020		
USH 12-STH 29		
USH 12-STH 29	1	EXISTING INLET
USH 12-STH 29 SUBTOTAL	1	
CATEGORY CODE 0030		
USH 63-STH 46-STH 64		
USH 63-STH 46-STH 64	5	EXISTING INLETS
USH 63-STH 46-STH 64 SUBTOTAL	5	
1000-08-89 TOTAL	6	

MOBILIZATION EROSION CONTROL ITEMS

STATION - STATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
CATEGORY CODE 0010		
STH 27-STH 64		
STH 27-STH 64	1	--
CATEGORY CODE 0020		
USH 12-STH 29		
USH 12-STH 29	1	--
CATEGORY CODE 0030		
USH 63-STH 46-STH 64		
USH 63-STH 46-STH 64	1	1
CATEGORY CODE 0040		
STH 64-STH 73 NORTH		
STH 64-STH 73 NORTH	1	1
CATEGORY CODE 0050		
STH 64-STH 73 SOUTH		
STH 64-STH 73 SOUTH	1	1
1000-08-89 TOTALS	**5**	**3**

EROSION CONTROL ITEMS

STATION - STATION	LOCATION	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	628.7504 TEMPORARY DITCH CHECKS EACH
CATEGORY CODE 0030			
USH 63-STH 46-STH 64			
100+00'SW' - 102+39'SW'	RT	185	--
300+00'NE' - 301+23'NE'	RT	35	--
400+00'NW' - 400+58'NW'	RT	5	--
UNDISTRIBUTED		45	--
USH 63-STH 46-STH 64 SUBTOTALS		270	--
CATEGORY CODE 0040			
STH 64-STH 73 NORTH			
100+98 - 102+05	LT	247	1
101+60 - 102+08	RT	240	1
UNDISTRIBUTED		83	1
STH 64-STH 73 NORTH SUBTOTALS		570	3
CATEGORY CODE 0050			
STH 64-STH 73 SOUTH			
200+28 - 200+70	LT	103	--
200+27 - 201+41	RT	143	--
UNDISTRIBUTED		54	--
STH 64-STH 73 SOUTH SUBTOTALS		300	--
1000-08-89 TOTALS		**1,140**	**3**

ADJUSTING MANHOLE COVERS

STATION	LOCATION	611.8110 EA	COMMENTS
CATEGORY CODE 0010			
STH 27-STH 64			
201+50	RT	1	STORM SEWER MANHOLE
STH 27-STH 64 SUBTOTAL		1	
1000-08-89 TOTAL		1	

TRAFFIC CONTROL PROJECT

STATION - STATION	643.0100 TRAFFIC CONTROL PROJECT EACH
CATEGORY CODE 0010 **STH 27-STH 64**	
STH 27-STH 64	0.2
CATEGORY CODE 0020 **USH 12-STH 29**	
USH 12-STH 29	0.2
CATEGORY CODE 0030 **USH 63-STH 46-STH 64**	
USH 63-STH 46-STH 64	0.2
CATEGORY CODE 0040 **STH 64-STH 73 NORTH**	
STH 64-STH 73 NORTH	0.2
CATEGORY CODE 0050 **STH 64-STH 73 SOUTH**	
STH 64-STH 73 SOUTH	0.2
1000-08-89 TOTALS	**1**

TEMPORARY PAVEMENT MARKING ITEMS

INTERSECTION	649.0400 REMOVABLE TAPE 4-INCH (YELLOW) L.F.	649.0506 REMOVABLE MASK-OUT TAPE 6-INCH L.F.
CATEGORY CODE 0010 **STH 27-STH 64**		
SOUTH LEG	170	170
STH 27-STH 64 SUBTOTALS:	170	170
CATEGORY CODE 0040 **STH 64-STH 73 NORTH**		
WEST LEG	220	220
STH 64-STH 73 NORTH SUBTOTALS:	220	220
CATEGORY CODE 0050 **STH 64-STH 73 SOUTH**		
NORTH LEG	240	240
STH 64-STH 73 SOUTH SUBTOTALS:	240	240
1000-08-89 TOTALS:	**630**	**630**

PAVEMENT MARKING

LOCATION	646.0106 4-INCH WHITE LF	646.0106 4-INCH YELLOW LF	647.0606 ISLAND NOSE EPOXY YELLOW EACH	647.0766 CROSSWALK EPOXY 6-INCH WHTE LF	646.0126 EPOXY 8-INCH WHITE LF	647.0456 CURB EPOXY YELLOW LF	647.0566 STOP LINE EPOXY 18-INCH WHITE LF
CATEGORY CODE 0010 **STH 27-STH 64**							
ISLAND	--	--	3	--	16	59	--
THROUGH LANE	--	30	--	123	14	--	14
RIGHT TURN LANE	--	--	--	40	--	--	20
STH 27-STH 64 SUBTOTALS	0	30	3	163	30	59	34
CATEGORY CODE 0020 **USH 12-STH 29**							
ISLAND	--	--	--	--	--	55	--
THROUGH LANE	--	--	--	--	--	--	36
USH 12-STH 29 SUBTOTALS	0	0	0	0	0	55	36
CATEGORY CODE 0040 **STH 64-STH 73 NORTH**							
ISLAND	-	-	-	-	49	-	-
LEFT TURN LANE	-	-	-	-	-	-	12
RIGHT TURN LANE	-	-	-	-	-	-	23
STH 64-STH 73 NORTH SUBTOTALS	0	0	0	0	49	0	35
CATEGORY CODE 0050 **STH 64-STH 73 SOUTH**							
ISLAND	-	-	-	-	54	-	-
LEFT TURN LANE	-	-	-	-	-	-	14
RIGHT TURN LANE	-	-	-	-	-	-	24
NORTHBOUND LANE	38	-	-	-	-	-	-
STH 64-STH 73 SOUTH SUBTOTALS	38	0	0	0	54	0	38
1000-08-89 TOTALS	68		3	163	133	114	143

SIGNING ITEMS

SIGN NO.	LOCATION	SIGN CODE	SIGN MESSAGE	STRUCTURE ID OR MOUNTED ON SAME POST/ SIGN AS	637.2210 SIGNS TYPE II REFLECTIVE H W" x H"	S.F.	634.0616 POSTS WOOD 4"x6"x16' EACH	634.0816 POSTS TUBULAR STEEL 2"x2"x16' EACH	638.2102 MOVING SIGNS TYPE II EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH
CATEGORY 0010												
STH 27-STH 64												
300	ISLAND	R1-1	STOP		36 x 36	9.00	0	1	0	0	1	1
			STH 27-STH 64 SUBTOTALS			9.00	0	1	0	0	1	1
CATEGORY 0020												
USH 12-STH 29												
200	ISLAND	R5-1	DO NOT ENTER		30 x 30	6.25	0	1	0	0	1	1
201	ISLAND	R4-1 (MOD)	PARKING W/ ARROW		-- x --	--	0	0	1	1	0	0
			USH 12-STH 29 SUBTOTALS			6.25	0	1	1	1	1	1
CATEGORY 0030												
USH 63-STH 46-STH 64												
101	NE QUADRANT	R1-2	YIELD		-- x --	--	--	1	1	0	--	1
102	NE QUADRANT	R1-54	TO TRAFFIC FROM LEFT	101	-- x --	--	--	--	1	--	--	--
			USH 63-STH 46-STH 64 SUBTOTALS			0.00	0	1	2	0	0	1
CATEGORY 0040												
STH 64-STH 73 NORTH												
401	ISLAND	R1-1	STOP		36 x 36	9.00	--	1	--	--	1	1
402	SW QUADRANT	R1-1	STOP		36 x 36	9.00	--	1	--	--	1	1
403	SW QUADRANT	R5-1-C	DO NOT ENTER	402	30 x 30	6.25	--	--	--	--	1	1
404	STH 64	J4-1			24 x 36	6.00	1	--	--	--	1	1
		M3-2	WEST		24 x 12	0.00	--	--	--	--	--	--
		M1-6	64		24 x 24	0.00	--	--	--	--	--	--
			STH 64-STH 73 NORTH SUBTOTALS			30.25	1	2	0	0	4	4
CATEGORY 0050												
STH 64-STH 73 SOUTH												
501	ISLAND	R1-1	STOP		36 x 36	9.00	--	1	--	--	1	1
502	NW QUADRANT	R1-1	STOP		36 x 36	9.00	--	1	--	--	1	1
503	NW QUADRANT	R5-1-C	DO NOT ENTER	502	30 x 30	6.25	--	--	--	--	1	--
504	WEST STH 73	R8-8	DO NOT STOP ON TRACKS		24 x 30	5.00	1	--	--	--	--	--
			STH 64-STH 73 SOUTH SUBTOTALS			29.25	1	2	0	0	3	2
			1000-08-89 TOTALS			74.75	2	7	3	1	9	9

CONCRETE MEDIAN SLOPED NOSE

STATION	LOCATION	620.0300 CONCRETE MEDIAN SLOPED NOSE SF
CATEGORY CODE 0010		
STH 27-STH 64		
201+45	RT	16
201+55	RT	12
201+56	RT	14
STH 27-STH 64 SUBTOTAL		42
CATEGORY CODE 0040		
STH 64-STH 73 NORTH		
101+70	RT	17
102+06	RT	12
102+06	RT	15
STH 64-STH 73 NORTH SUBTOTAL		44
CATEGORY CODE 0050		
STH 64-STH 73 SOUTH		
102+03	LT	17
102+02	LT	12
101+02	LT	15
STH 64-STH 73 SOUTH SUBTOTAL		44
1000-08-89 TOTAL		**130**

3

LIGHTING CONDUIT AND WIRE

FROM		TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	655.0620 ELECTRICAL WIRE LIGHTING 8 AWG LF	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF
CATEGORY CODE 0020					
USH 12-STH 29					
SB-1	-	EXLP-1	13	--	560
USH 12-STH 29 TOTALS			**13**	**0**	**560**
CATEGORY CODE 0030					
USH 63-STH 46-STH64					
EXPB-1	-	A-1	35	245	--
A-1	-	PB-3	90	520	--
PB-3	-	EXB-1	--	392	--
USH 63-STH 46-STH 64 TOTALS			**125**	**1157**	**0**
1000-08-89 TOTALS			**138**	**1157***	**560***

STREET LIGHTS & SIGNALS

LIGHT NUMBER	STATION	OFFSET	R/L	654.0102 CONCRETE BASES TYPE 2 EACH	654.0105 CONCRETE BASES TYPE 5 EACH	SPV.0060.01 MOVING LIGHTING ASSEMBLY EACH	SPV.0060.02 MOVING TRAFFIC SIGNAL ASSEMBLY EACH
CATEGORY CODE 0020							
USH 12-STH 29							
LP-1	201+20	20.4	LT	1	--	--	1
USH 12-STH 29 TOTALS				1	--	--	1
CATEGORY CODE 0030							
USH 63-STH 46-STH64							
A-1	100+85'SW'	1.5	RT	--	1	1	--
USH 63-STH 46-STH64 TOTALS				--	1	1	--
1000-08-89 TOTALS				**1**	**1**	**1**	**1**

3

SIGNAL CONDUIT AND WIRE

FROM		TO	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG* LF	655.0260 CABLE TRAFFIC SIGNALS 12-14 AWG* LF
CATEGORY CODE 0020					
USH 12-STH 29					
EXCB-1	-	SB-1	--	210	210
PB-1	-	B-1	24	--	--
PB-1	-	B-2	22	--	--
PB-1	-	SB-1	50	--	--
USH 12-STH 29 TOTALS			**96**	**210**	**210**
1000-08-89 TOTALS			**96**	**210***	**210***

PULLBOXES

PULLBOX NUMBER	STATION	OFFSET	LOCATION	653.0140 PULLBOXES STEEL 24X42-INCH EACH	COMMENTS
CATEGORY CODE 0020					
USH 12-STH 29					
PB-1	200+98	32	LT	1	SIGNAL PULL BOX
USH 12-STH 29 TOTALS				1	
CATEGORY CODE 0030					
USH 63-STH 46-STH64					
PB-3	100+00'SW'	7	LT	1	LIGHTING PULL BOX
USH 63-STH 46-STH64 TOTALS				1	
1000-08-89 TOTAL				**2**	

* WIRE QUANTITIES TO BE FIELD VERIFIED TO ENSURE ROUTING AND LENGTH

3

CONSTRUCTION STAKING ITEMS

STATION - STATION	LOCATION	650.4500 SUBGRADE LF	650.7000 CONCRETE PAVEMENT LF	650.9920 SLOPE STAKES LF
CATEGORY CODE 0030 **USH 63-STH 46-STH64**				
100+00'SW - 102+39'SW'	RT/LT	239	239	239
301+00'NE - 301+23'NE'	RT/LT	123	123	123
400+00'NW - 400+58'NW'	RT/LT	58	58	58
USH 63-STH 46-STH64 SUBTOTALS		420	420	420
CATEGORY CODE 0040 **STH 64-STH 73 NORTH**				
100+60 - 102+04	LT	180	180	180
101+62 - 102+10	RT	140	140	140
STH 64-STH 73 NORTH SUBTOTALS		320	320	320
CATEGORY CODE 0050 **STH 64-STH 73 SOUTH**				
200+24 - 200+72	LT	110	80	110
200+27 - 201+38	RT	140	120	140
STH 64-STH 73 SOUTH SUBTOTALS		250	200	250
1000-08-89 TOTALS		**990**	**940**	**990**

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL

STATION - STATION	650.9910 EACH
CATEGORY CODE 0010 **STH 27-STH 64**	
STH 27-STH 64	0.2
CATEGORY CODE 0020 **USH 12-STH 29**	
USH 12-STH 29	0.2
CATEGORY CODE 0030 **USH 63-STH 46-STH 64**	
USH 63-STH 46-STH 64	0.2
CATEGORY CODE 0040 **STH 64-STH 73 NORTH**	
STH 64-STH 73 NORTH	0.2
CATEGORY CODE 0050 **STH 64-STH 73 SOUTH**	
STH 64-STH 73 SOUTH	0.2
1000-08-89 TOTALS	**1**

MOBILIZATION

STATION - STATION	619.1000 MOBILIZATION PROJECT EACH
CATEGORY CODE 0010 **STH 27-STH 64**	
STH 27-STH 64	0.2
CATEGORY CODE 0020 **USH 12-STH 29**	
USH 12-STH 29	0.2
CATEGORY CODE 0030 **USH 63-STH 46-STH 64**	
USH 63-STH 46-STH 64	0.2
CATEGORY CODE 0040 **STH 64-STH 73 NORTH**	
STH 64-STH 73 NORTH	0.2
CATEGORY CODE 0050 **STH 64-STH 73 SOUTH**	
STH 64-STH 73 SOUTH	0.2
1000-08-89 TOTALS	**1**

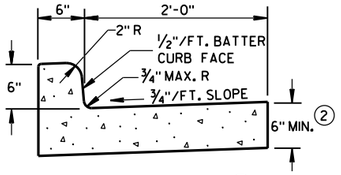
MAINTENANCE AND REPAIR OF HAUL ROADS

STATION - STATION	618.0100 PROJECT 1000-08-89 EACH
CATEGORY CODE 0010 **STH 27-STH 64**	
STH 27-STH 64	0.2
CATEGORY CODE 0020 **USH 12-STH 29**	
USH 12-STH 29	0.2
CATEGORY CODE 0030 **USH 63-STH 46-STH 64**	
USH 63-STH 46-STH 64	0.2
CATEGORY CODE 0040 **STH 64-STH 73 NORTH**	
STH 64-STH 73 NORTH	0.2
CATEGORY CODE 0050 **STH 64-STH 73 SOUTH**	
STH 64-STH 73 SOUTH	0.2
1000-08-89 TOTALS	**1**

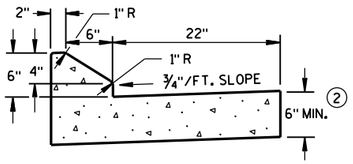
3

Standard Detail Drawing List

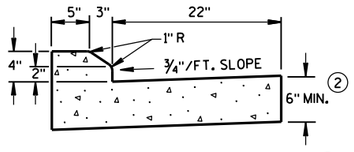
08D01-18	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-16A	CURB RAMPS TYPES 1 AND 1-A
08D05-16B	CURB RAMPS TYPES 2 AND 3
08D05-16C	CURB RAMPS TYPES 4A AND 4A1
08D05-16D	CURB RAMPS TYPE 4B AND 4B1
08D05-16E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
09B02-09	CONDUIT
09B04-11	PULL BOX
09C02-07	CONCRETE BASES, TYPES 1, 2, 5, & 6
11B02-02	CONCRETE MEDIAN NOSE
13C01-18	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
15C04-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16E	PAVEMENT MARKING (LEFT TURN LANE)
15C08-16F	PAVEMENT MARKING (ISLANDS)
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-02A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-02B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-02C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION



TYPES A & D ①

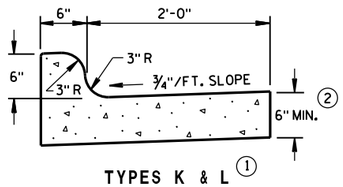


6" SLOPED CURB TYPES G & J ①

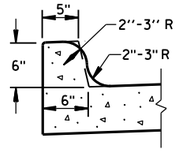


4" SLOPED CURB TYPES G & J ①

CONCRETE CURB & GUTTER 30"

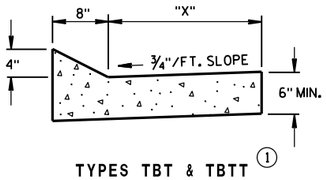


TYPES K & L ①



OPTIONAL CURB SHAPE FOR TYPES K & L ①

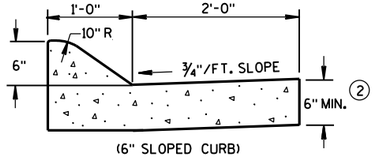
CONCRETE CURB & GUTTER 30"



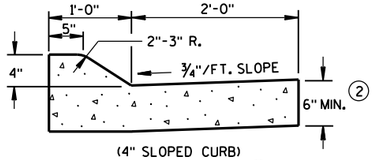
TYPES TBT & TBTT ①

CONCRETE CURB & GUTTER

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

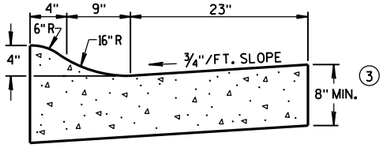


(6" SLOPED CURB)



(4" SLOPED CURB)

TYPES A & D ①



4" SLOPED CURB TYPES R & T ① ④

CONCRETE CURB & GUTTER 36"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS 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 & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

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

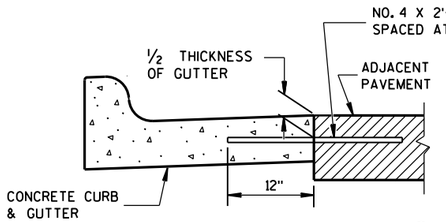
① TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

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.

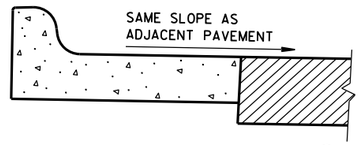
③ THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

④ THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

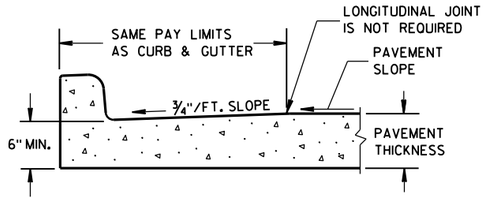
⑤ WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.



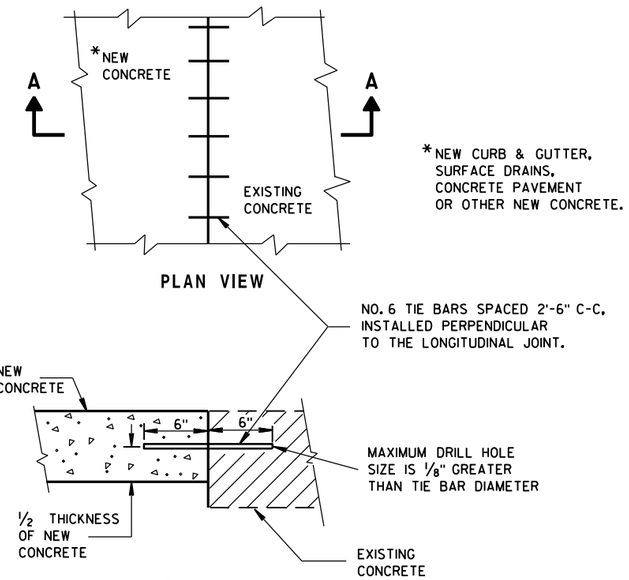
TYPICAL TIE BAR LOCATION ①



REVERSE SLOPE GUTTER ⑤
(TYPICAL FOR ALL CURB & GUTTER TYPES)



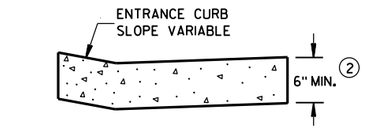
PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



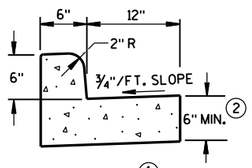
PLAN VIEW

SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT

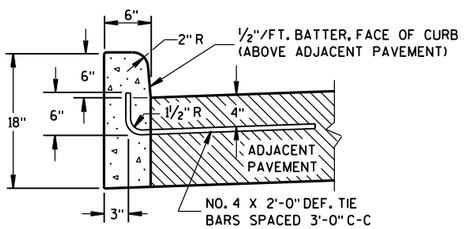


DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)

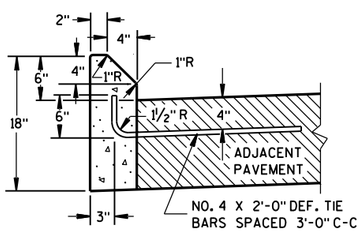


① TYPES A & D

CONCRETE CURB & GUTTER 18"

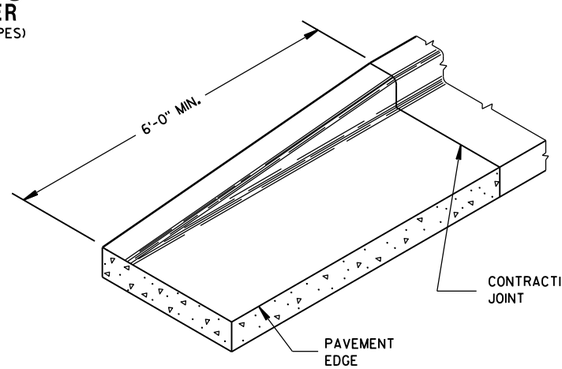


① TYPES A & D



① TYPES G & J

CONCRETE CURB



END SECTION CURB & GUTTER

CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES

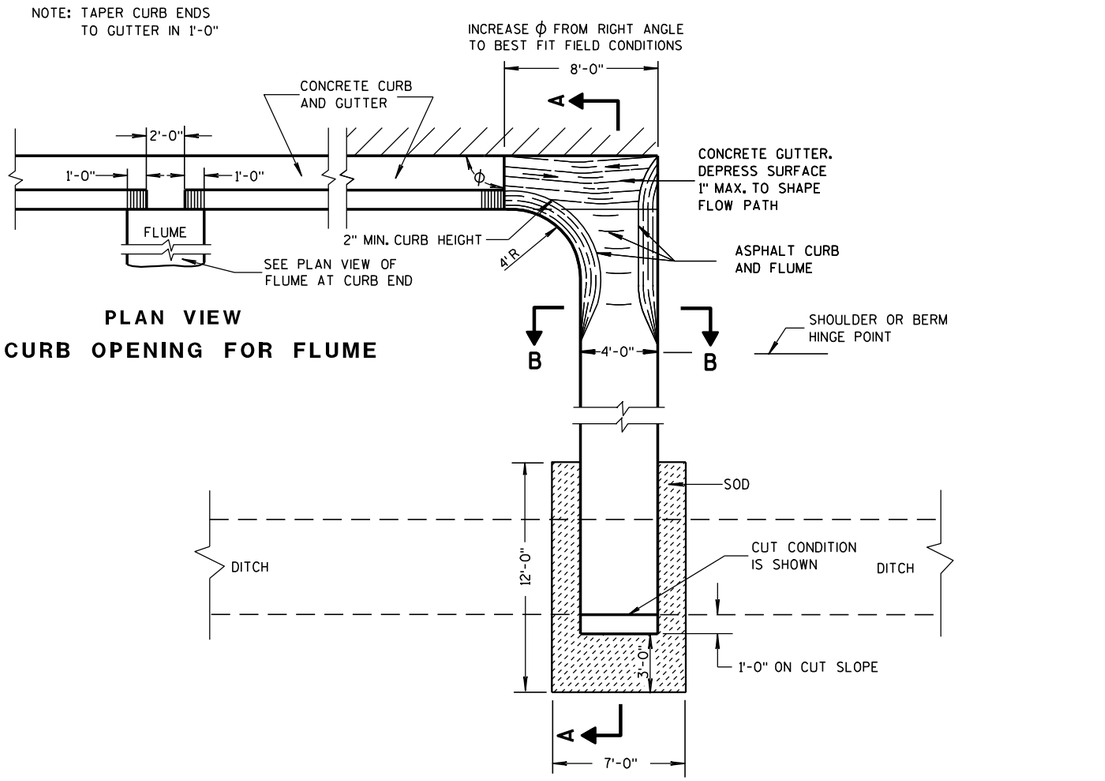
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

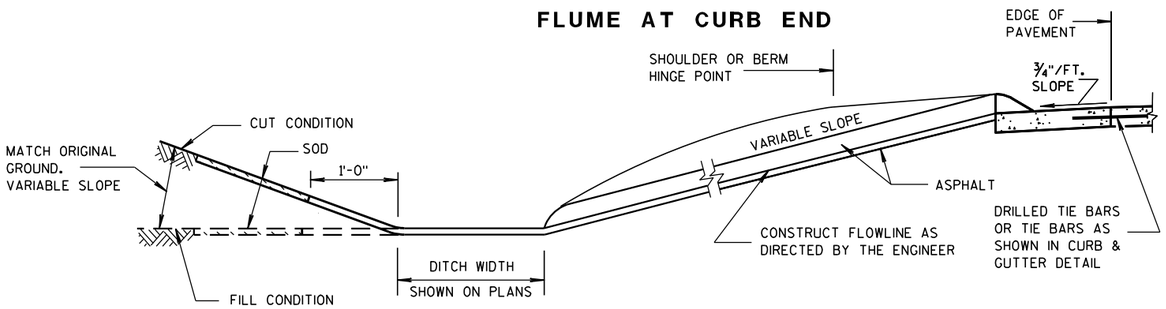
S.D.D. 8 D 1-18

ASPHALTIC FLUME

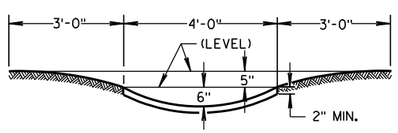


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

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

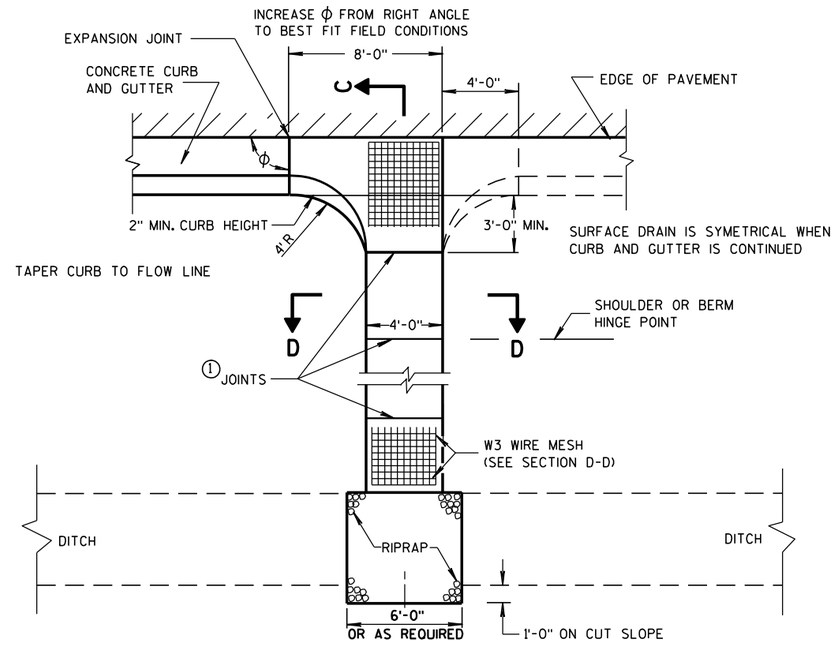
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE $\frac{1}{8}$ TO $\frac{1}{4}$ INCH WIDE BY $1\frac{1}{2}$ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

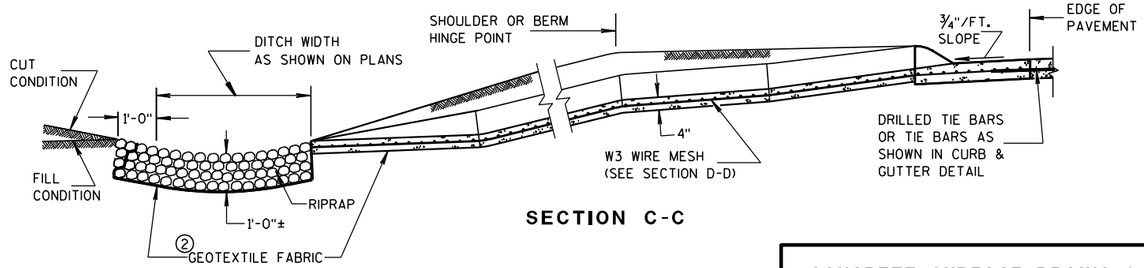
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

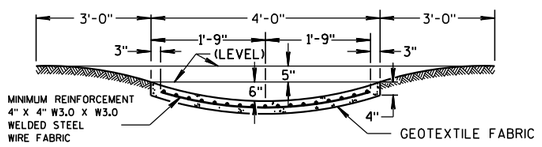
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

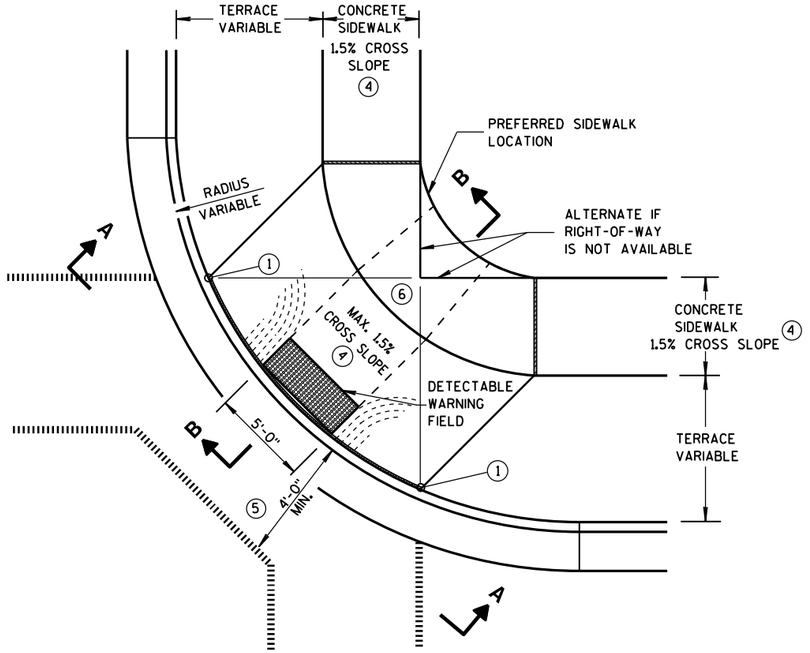
APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
45
MENT
FHWA

6

S.D.D. 8 D 4-5

6

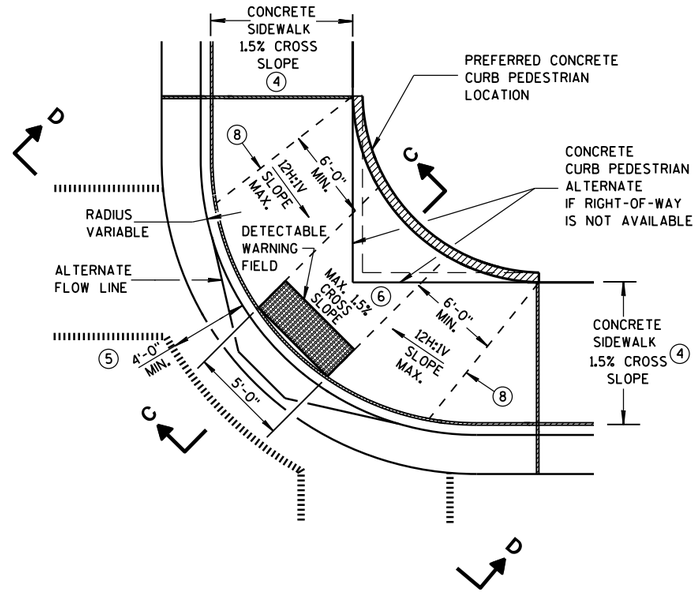
S.D.D. 8 D 4-5



PLAN VIEW

TYPE 1 RAMP

(CENTER OF CORNER RADIUS)



PLAN VIEW

TYPE 1-A RAMP

(NO TERRACE)

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.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FIELD 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 LINEAL 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.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED.

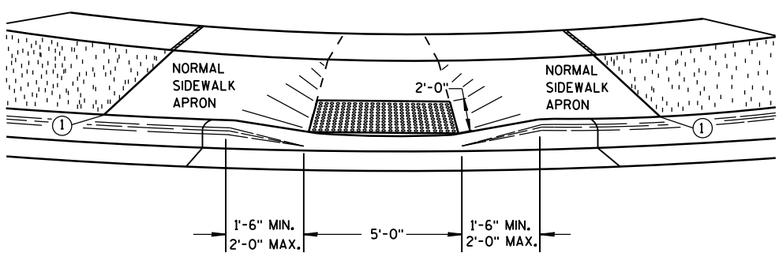
(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA. (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

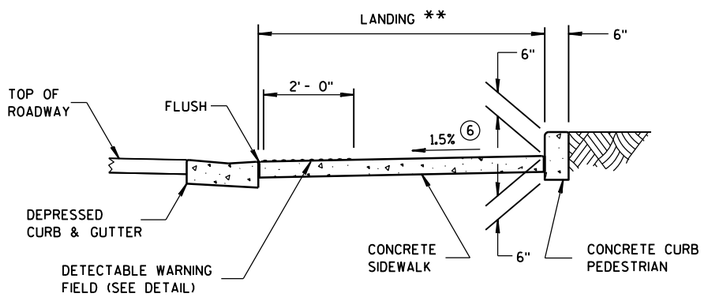
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

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



VIEW A-A

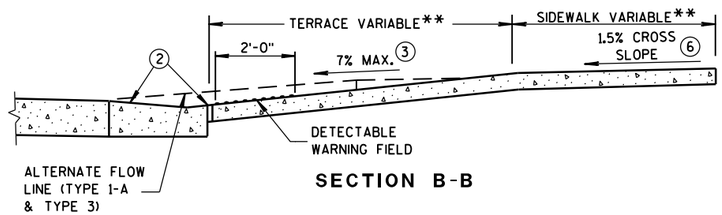
** WIDTH SHOWN ELSEWHERE IN THE PLANS



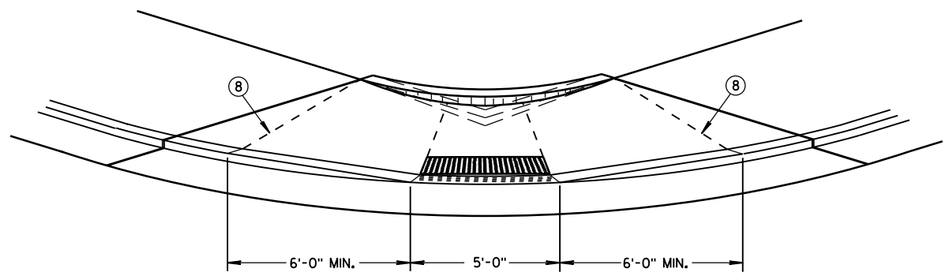
SECTION C-C

LEGEND

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

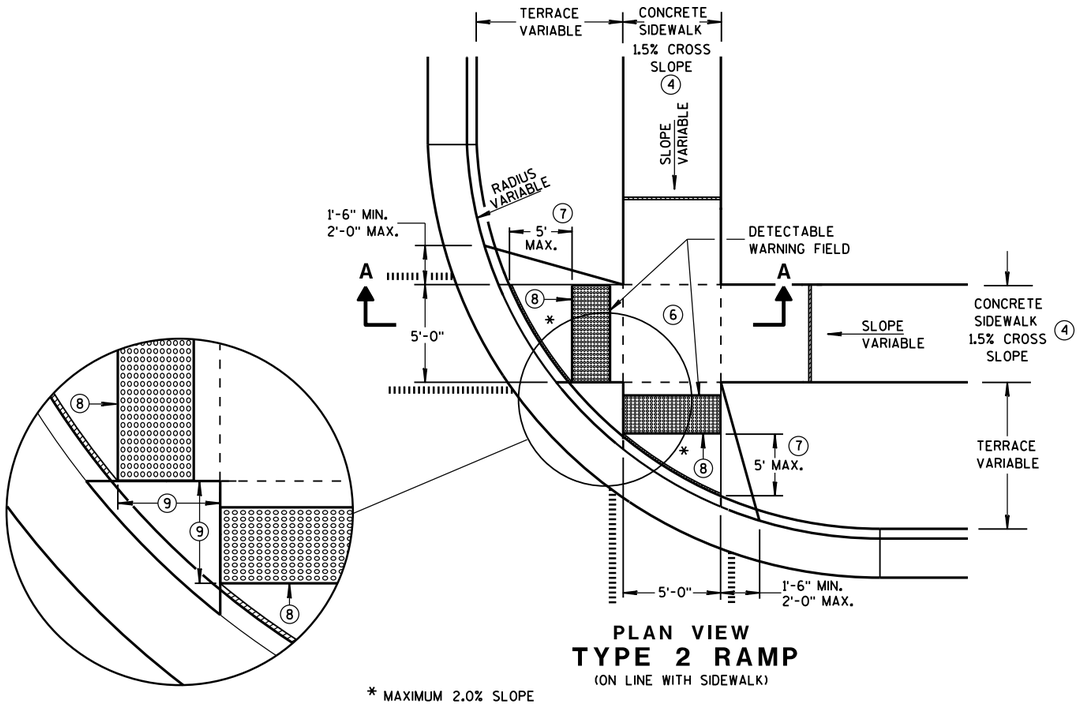


SECTION B-B



VIEW D-D

CURB RAMPS TYPES 1 AND 1-A

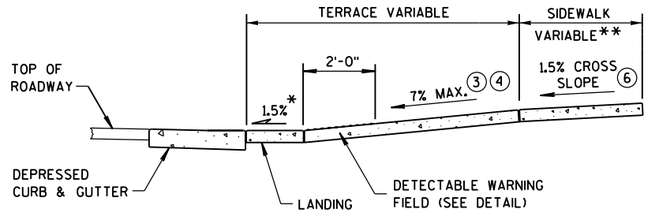


PLAN VIEW

TYPE 2 RAMP

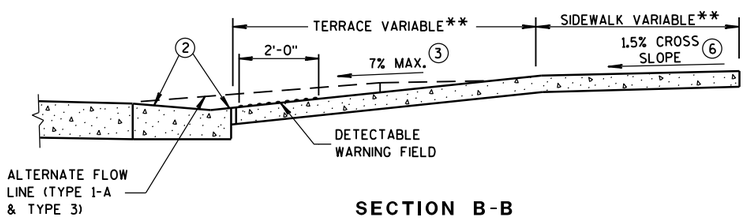
(ON LINE WITH SIDEWALK)

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



SECTION A-A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B

GENERAL NOTES

USE THE TYPE 3 RAMP ONLY WHEN A TYPE 1 OR TYPE 2 CANNOT BE ACHIEVED BECAUSE OF FIELD CONDITIONS.

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 DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED.

(3) ABSOLUTE MAXIMUM 12H:1V (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 X 5 FEET (MINIMUM 4 FEET X 4 FEET).

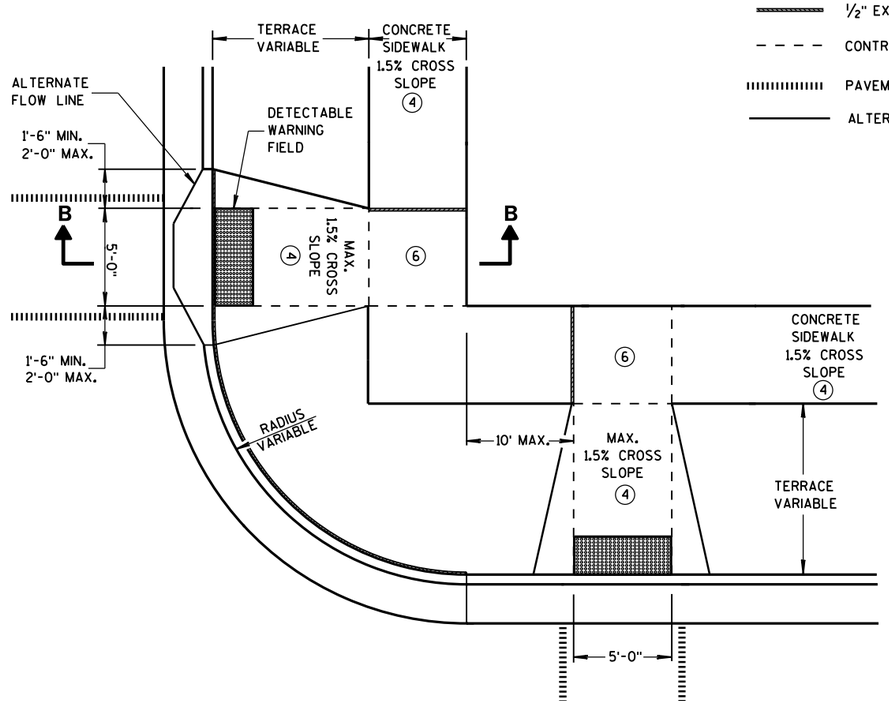
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, USE MULTIPLE DETECTABLE WARNING PANELS ACROSS THE RAMP AND STAGGER ADDITIONAL DETECTABLE WARNING PANEL(S) FORWARD TO REDUCE THIS DISTANCE.

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

(9) WHEN THIS 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. 2" MINIMUM CURB HEIGHT.

LEGEND

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



PLAN VIEW

TYPE 3 RAMP

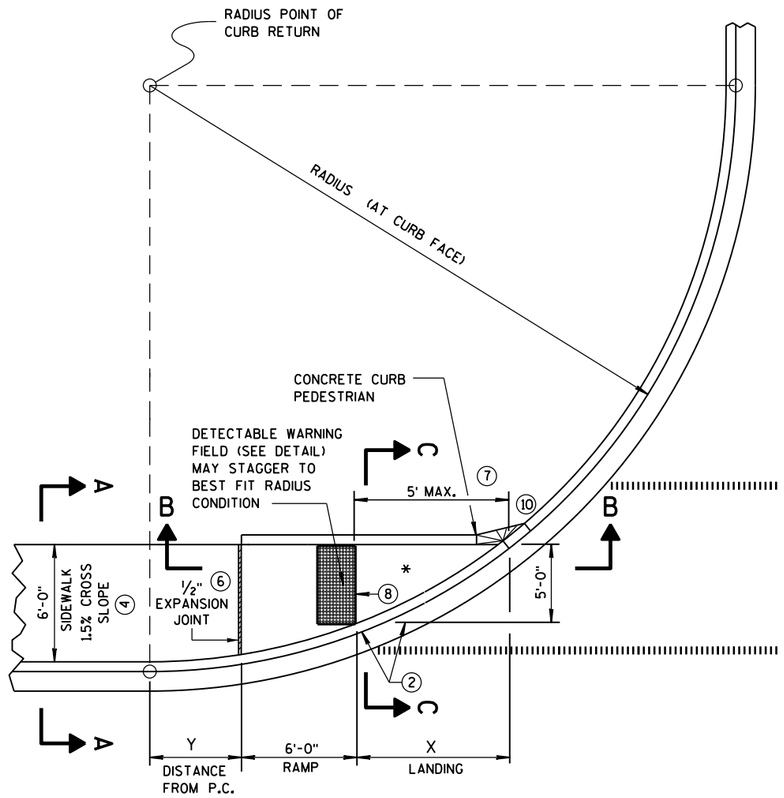
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS TYPES 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

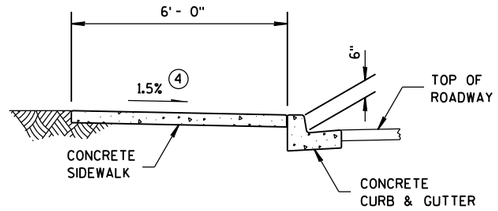
S.D.D. 8 D 5-16b



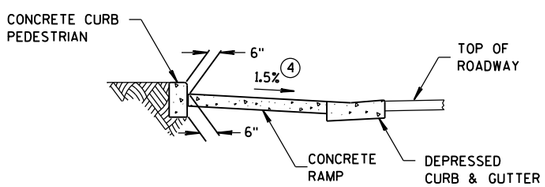
CURB RAMP TYPE 4A
PLAN VIEW

RADIUS (AT CURB FACE)	X	Y
20 FEET	6'-1¾"	2'-7¼"
30 FEET	7'-11¾"	4'-8¼"
40 FEET	9'-5¼"	6'-5"
50 FEET	10'-8¾"	7'-11¼"
60 FEET	11'-10¼"	9'-3½"

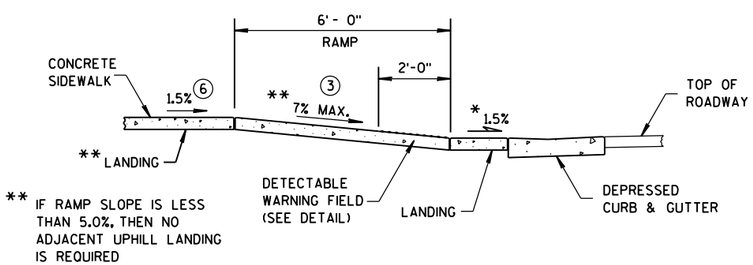
INTERMEDIATE RADII CAN BE INTERPOLATED



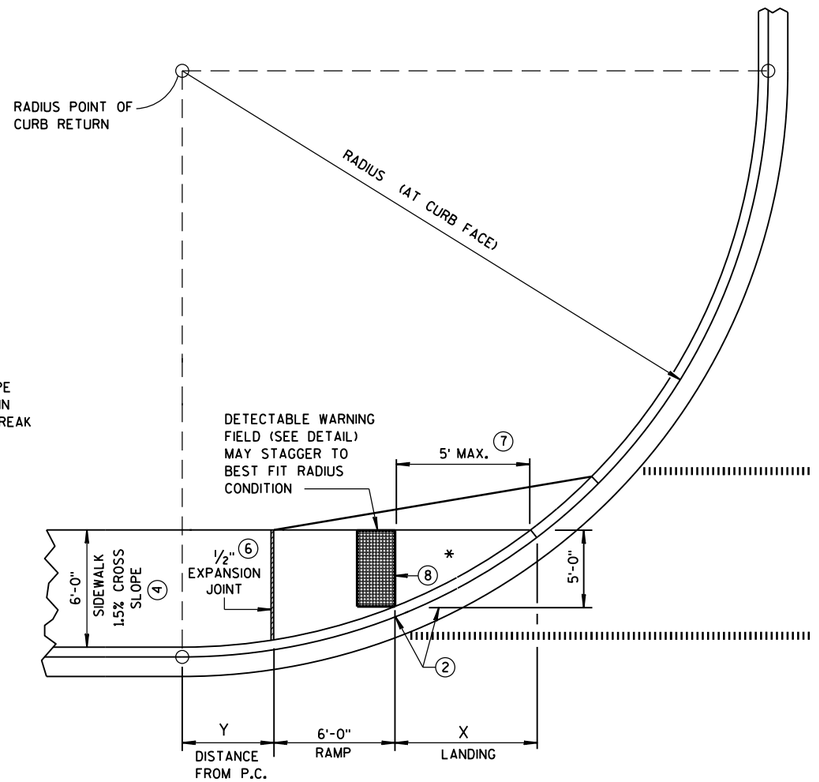
SECTION A-A FOR TYPE 4A



SECTION C-C FOR TYPE 4A



SECTION B-B FOR TYPE 4A



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

CURB RAMP TYPE 4A1
PLAN VIEW

GENERAL NOTES

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

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 DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

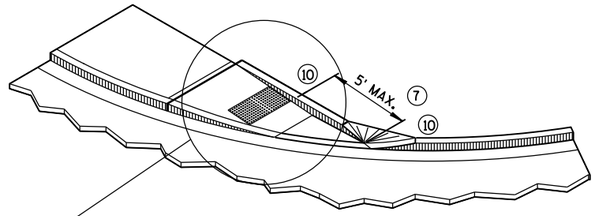
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

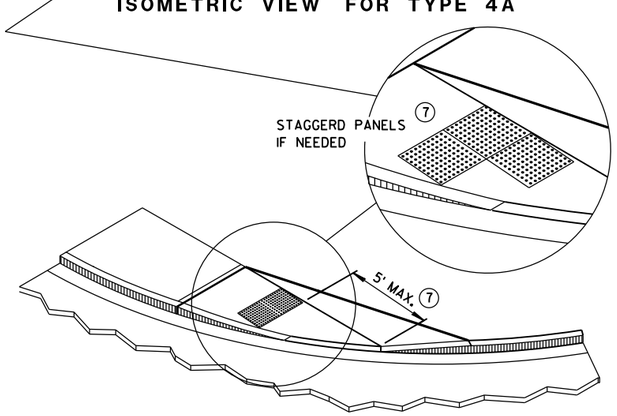
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, USE MULTIPLE DETECTABLE WARNING PANELS ACROSS THE RAMP AND STAGGER ADDITIONAL DETECTABLE WARNING PANEL(S) FORWARD TO REDUCE THIS DISTANCE.

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

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



ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

LEGEND

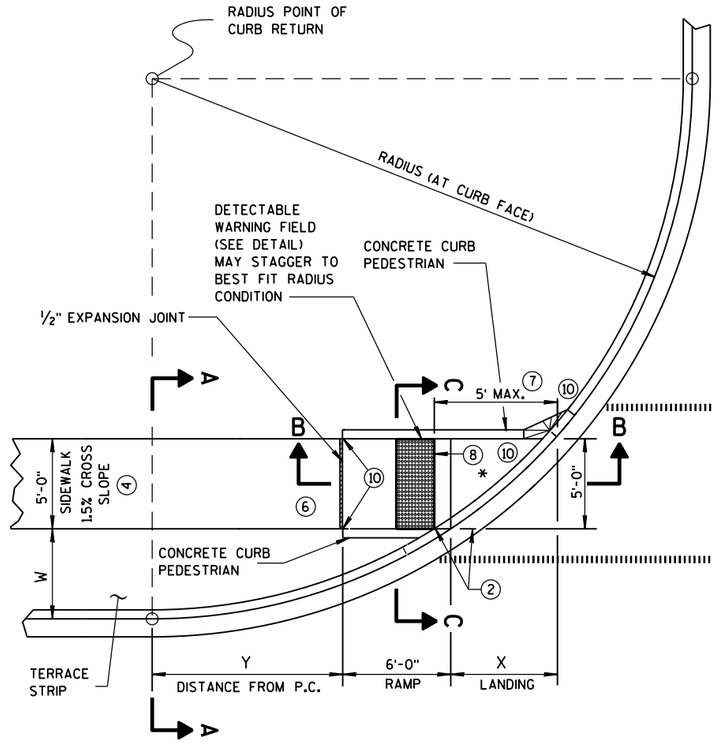
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPES 4A AND 4A1

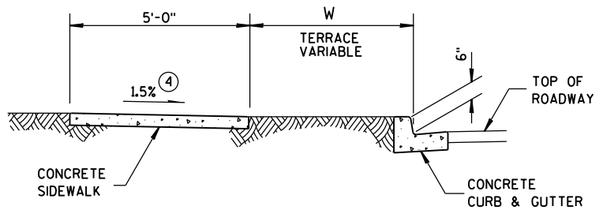
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

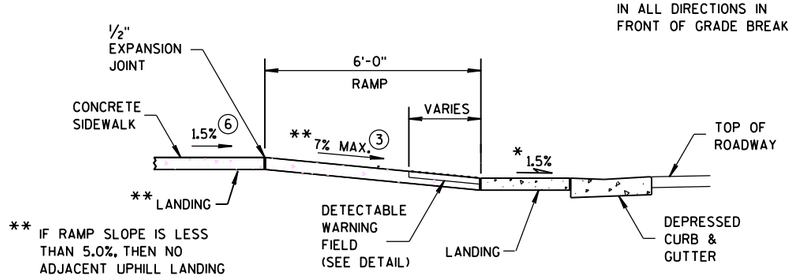
S.D.D. 8 D 5-16c



CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



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

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

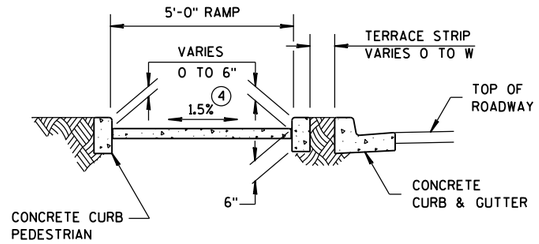
SECTION B-B FOR TYPE 4B

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

PAVEMENT MARKING CROSSWALK (WHITE)



SECTION C-C FOR TYPE 4B

RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y
20 FEET	5'-5½"	4'-6½"	4'-8½"	6'-0"	4'-1"	7'-2¾"	3'-7"	8'-3½"	3'-1½"	9'-2½"
30 FEET	7'-3¾"	7'-1"	6'-5½"	8'-11½"	5'-9¼"	10'-7"	5'-2½"	12'-0"	4'-8¾"	13'-3¼"
40 FEET	8'-9½"	9'-2½"	7'-10"	11'-5¼"	7'-1"	13'-4½"	6'-5¾"	15'-¾"	5'-11½"	16'-7¼"
50 FEET	10'-¾"	11'-¾"	9'-¼"	13'-7¼"	8'-2½"	15'-9½"	7'-6½"	17'-9"	6'-11¾"	19'-6¼"
60 FEET	11'-2½"	12'-8¾"	10'-¾"	15'-6½"	9'-2¼"	17'-11¾"	8'-5¾"	20'-1¾"	7'-10½"	22'-1½"

INTERMEDIATE RADII CAN BE INTERPOLATED

GENERAL NOTES

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

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 DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

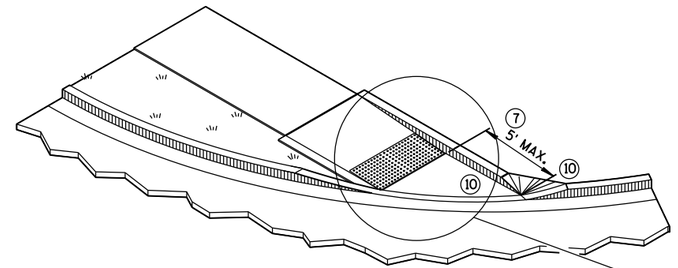
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

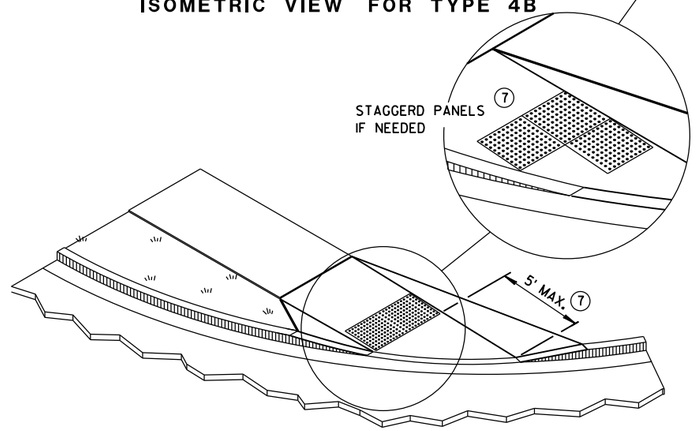
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, USE MULTIPLE DETECTABLE WARNING PANELS ACROSS THE RAMP AND STAGGER ADDITIONAL DETECTABLE WARNING PANEL(S) FORWARD TO REDUCE THIS DISTANCE.

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

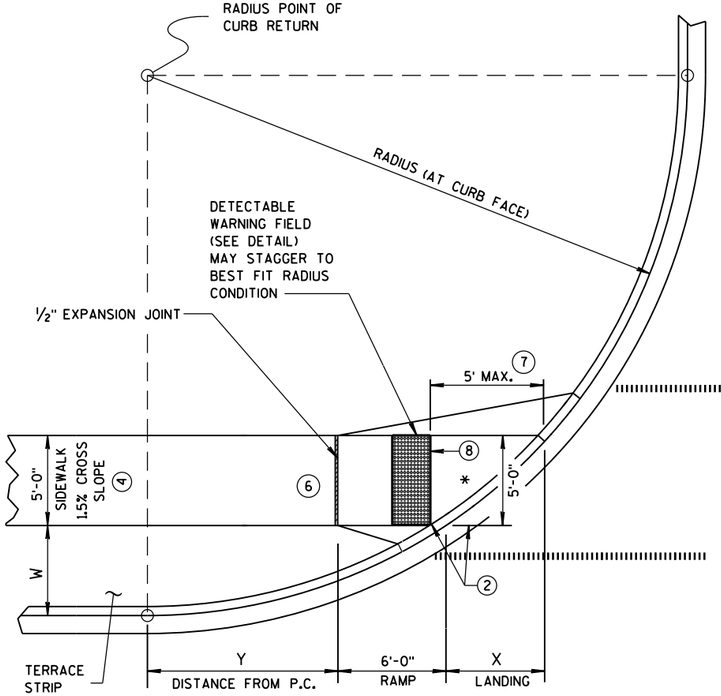
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1



CURB RAMP TYPE 4B1
PLAN VIEW

CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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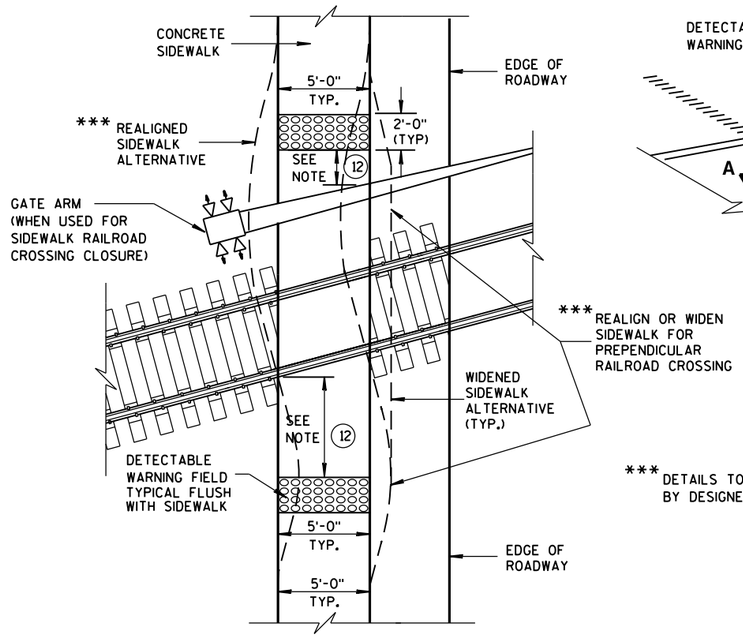
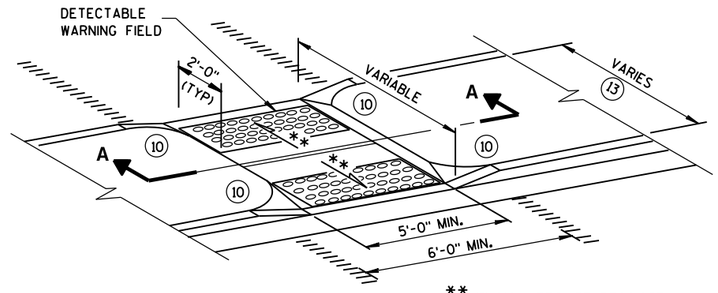
S.D.D. 8 D 5-16d



TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING

*** DETAILS TO BE DETERMINED BY DESIGNER



** 1% MIN. (PROVIDE DRAINAGE)

MEDIAN ISLAND
NON-ELEVATED CROSSING
TYPE 5

GENERAL NOTES

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 DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED.

(3) ABSOLUTE MAXIMUM 12H:1V (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.

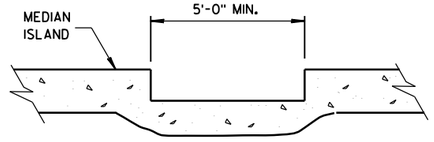
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

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

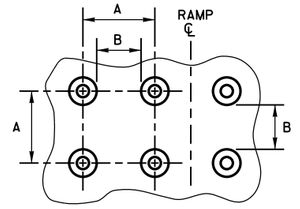
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

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

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS IF MEDIAN WIDTH BETWEEN BACK OF CURBS IS LESS THAN 6 FEET.



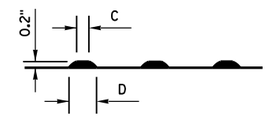
SECTION A-A



PLAN VIEW

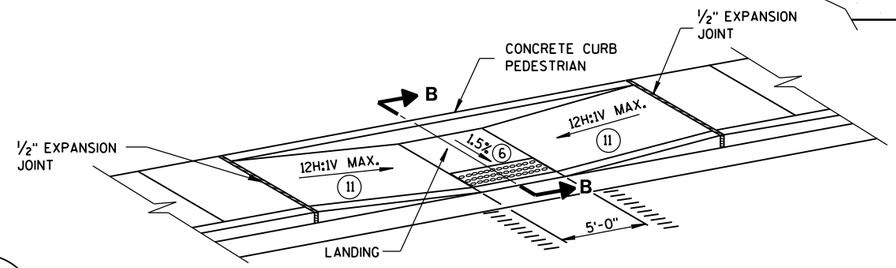
	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

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

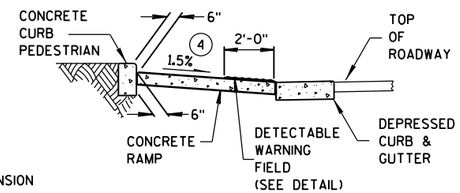


ELEVATION VIEW

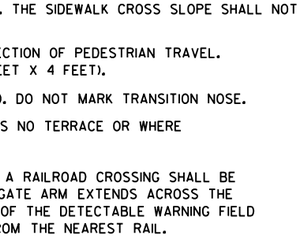
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



MID-BLOCK CROSSING
TYPE 7A



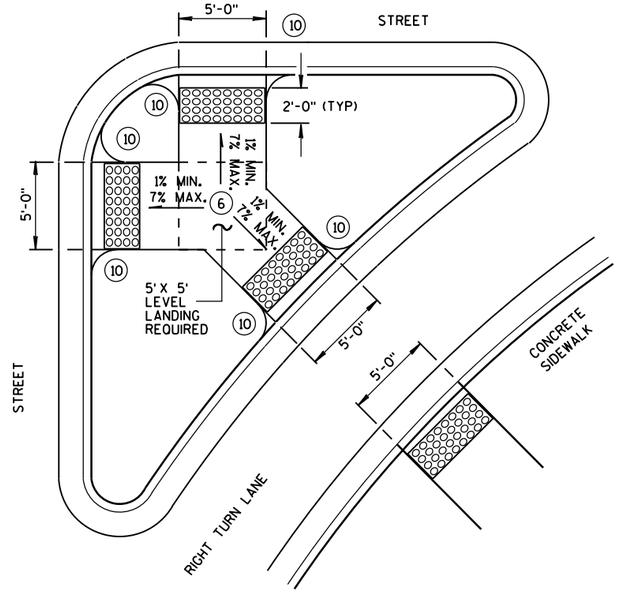
SECTION B-B



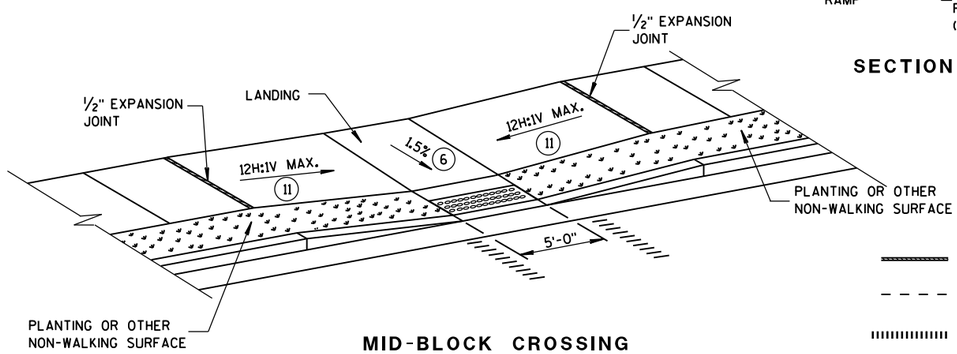
PLAN VIEW

DETECTABLE WARNING FIELD (TYPICAL)

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



TYPE 6
DETECTABLE WARNING AT ISLANDS



MID-BLOCK CROSSING
TYPE 7B

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.

LEGEND

- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

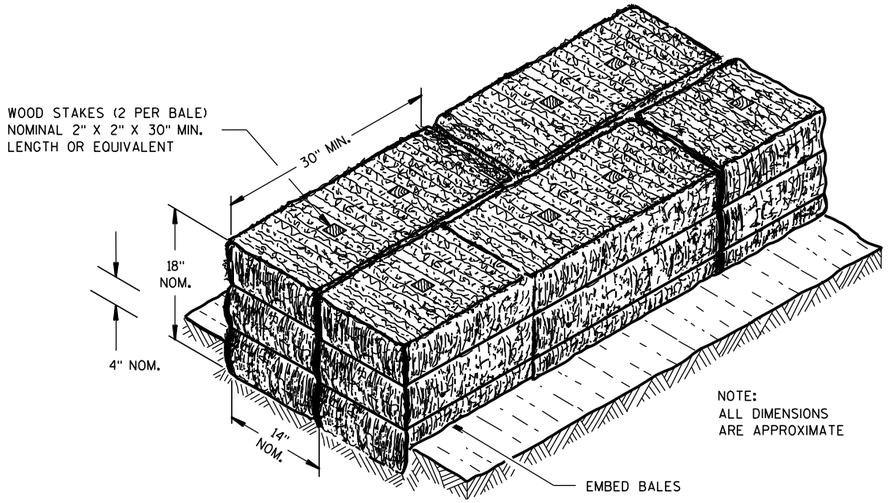
CURB RAMPS
TYPES 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

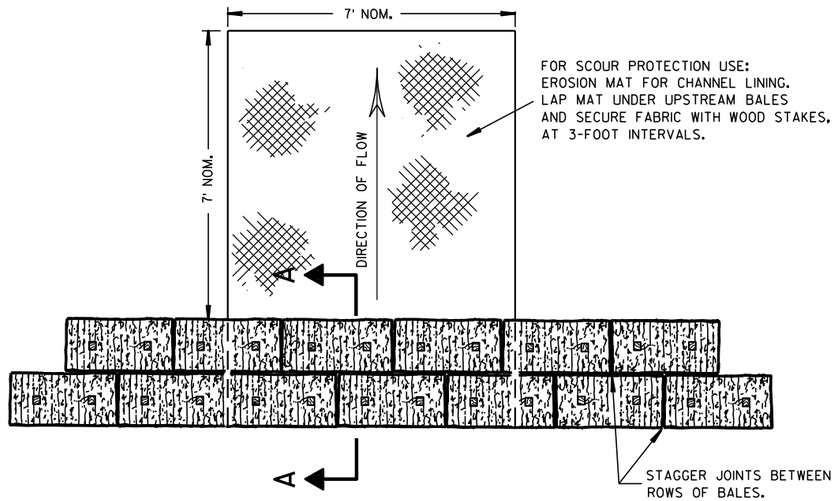
APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

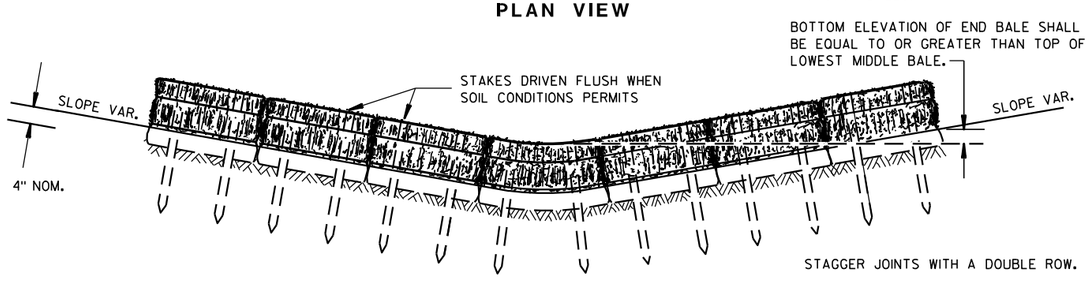
S.D.D. 8 D 5-16e



SECTION A-A



PLAN VIEW



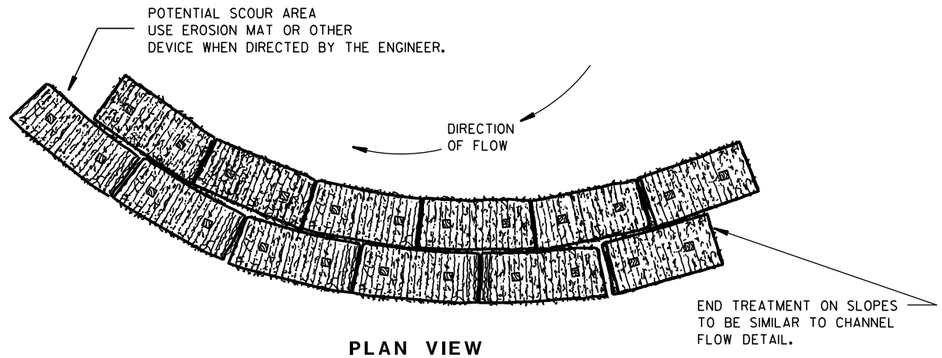
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

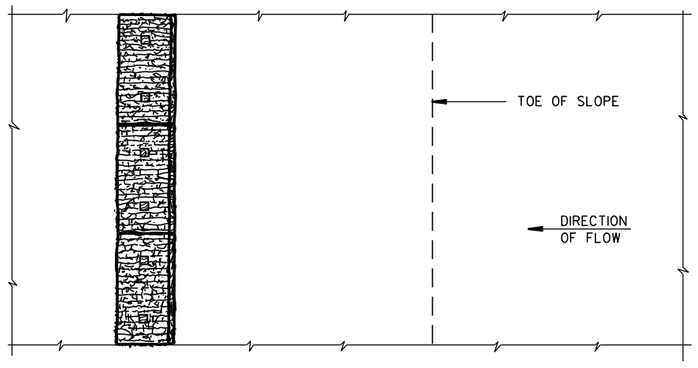
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

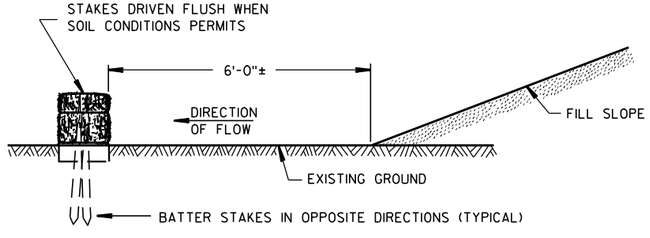


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

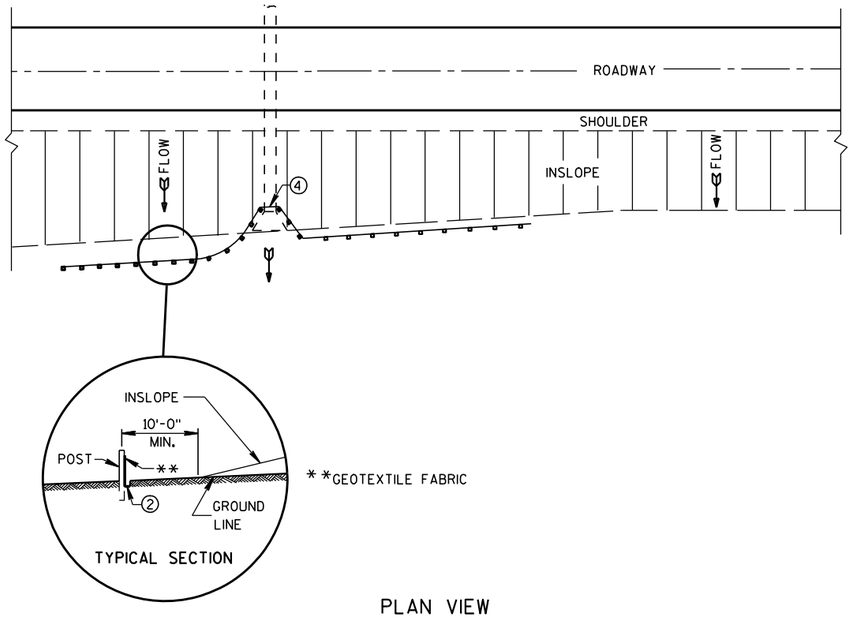
6/04/02 — DATE

/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

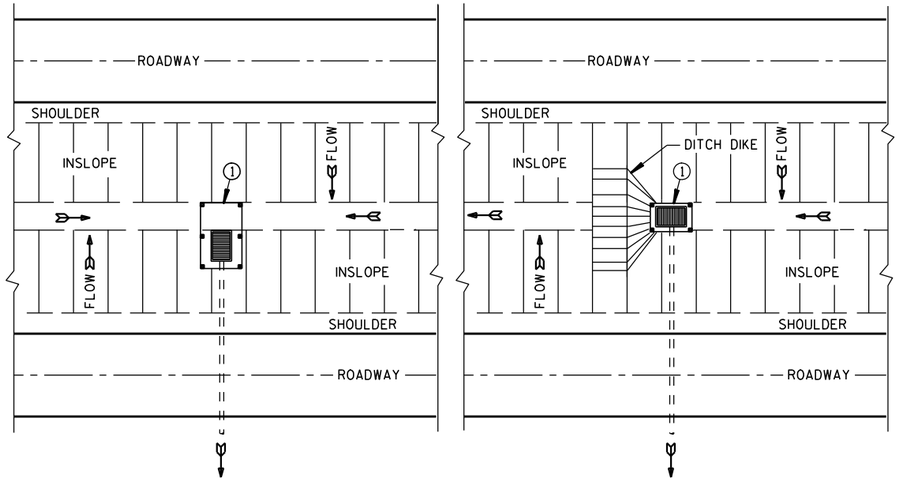
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

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

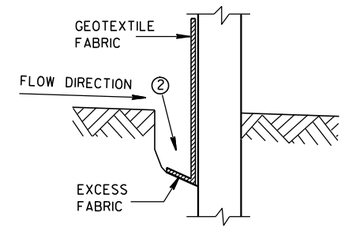
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

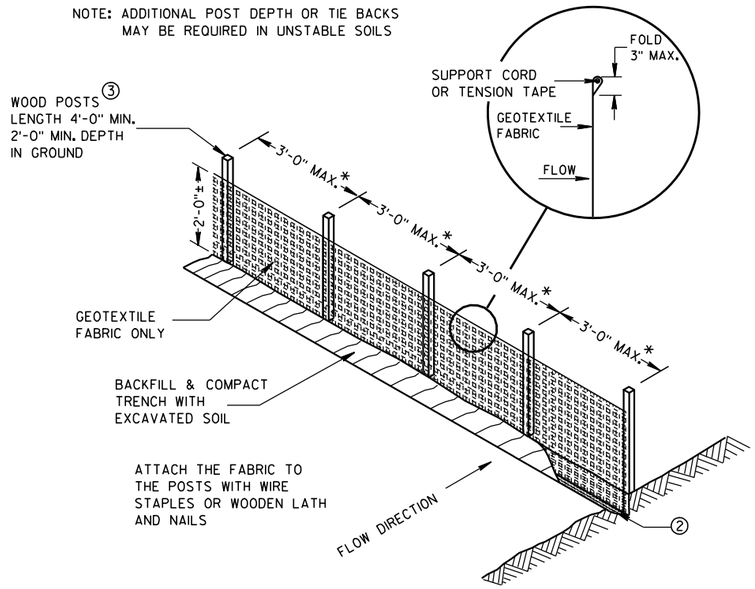
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

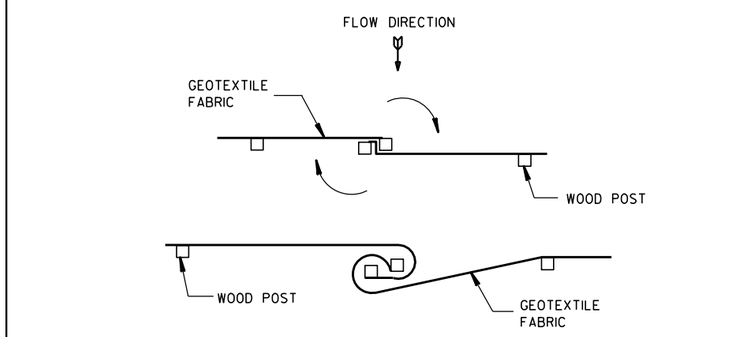
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



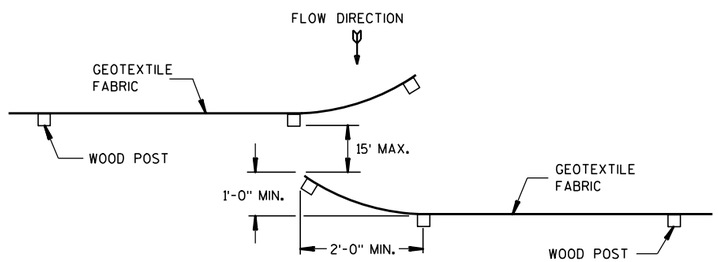
TRENCH DETAIL



SILT FENCE

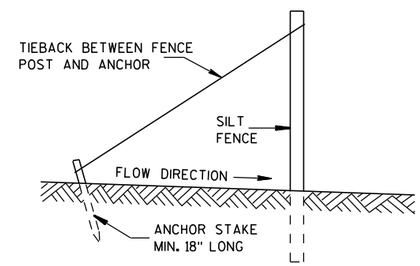


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
4-29-05 DATE	/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA	

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S.D.D. 8 E 9-6

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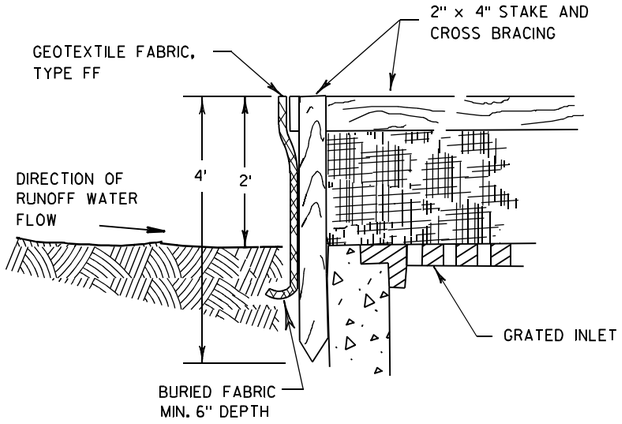
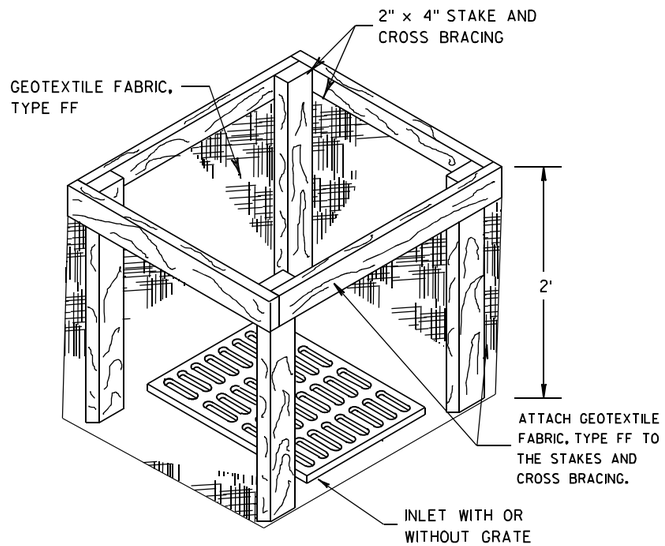
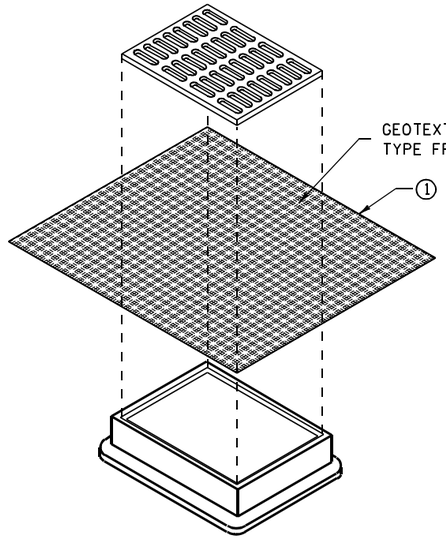
S.D.D. 8 E 9-6



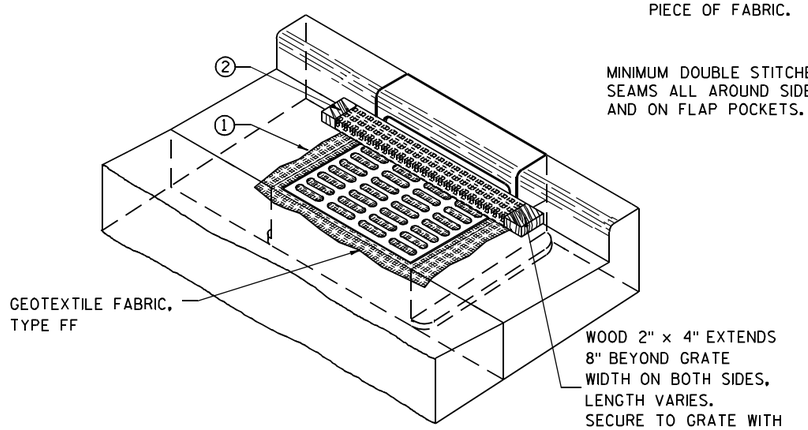


INLET PROTECTION, TYPE A

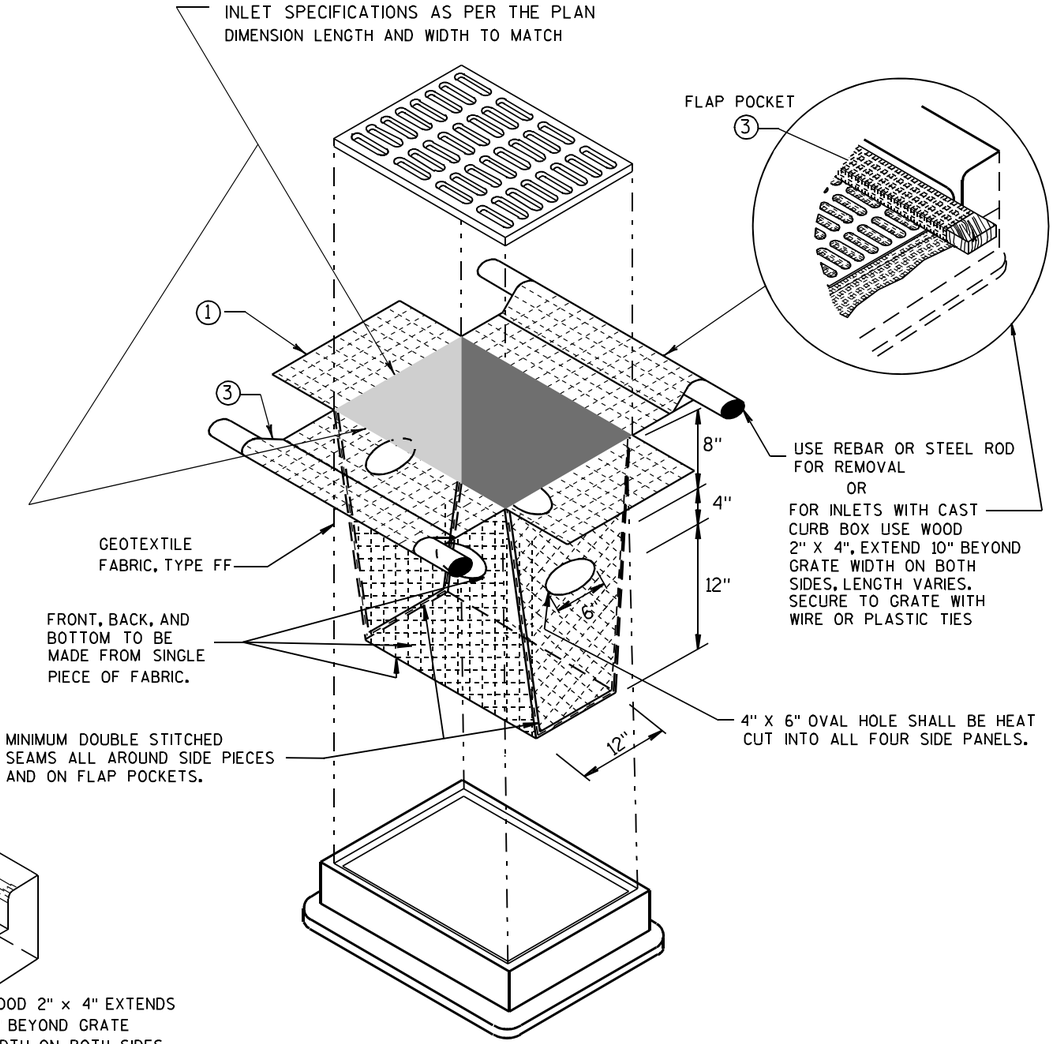


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

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

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

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

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

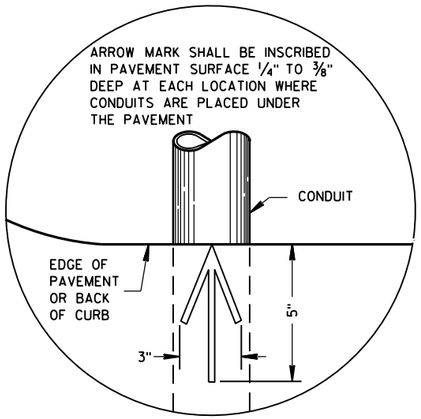
APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

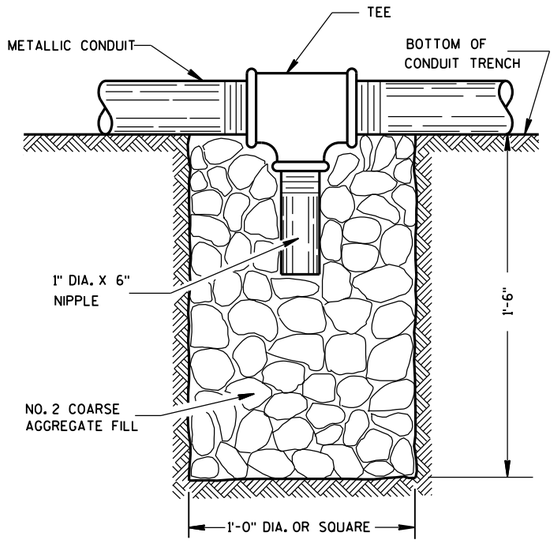
FHWA

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



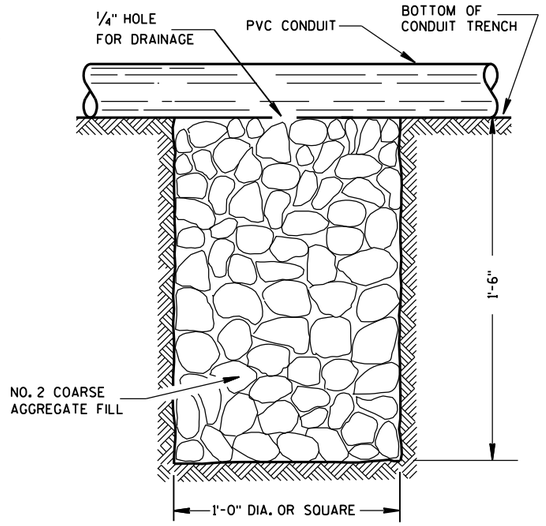
PLAN VIEW

ARROW MARK



NOTE: INSTALL AT LOCATIONS WHERE METALLIC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR METALLIC CONDUIT



NOTE: INSTALL AT LOCATIONS WHERE PVC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR PVC CONDUIT

GENERAL NOTES

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

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

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

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

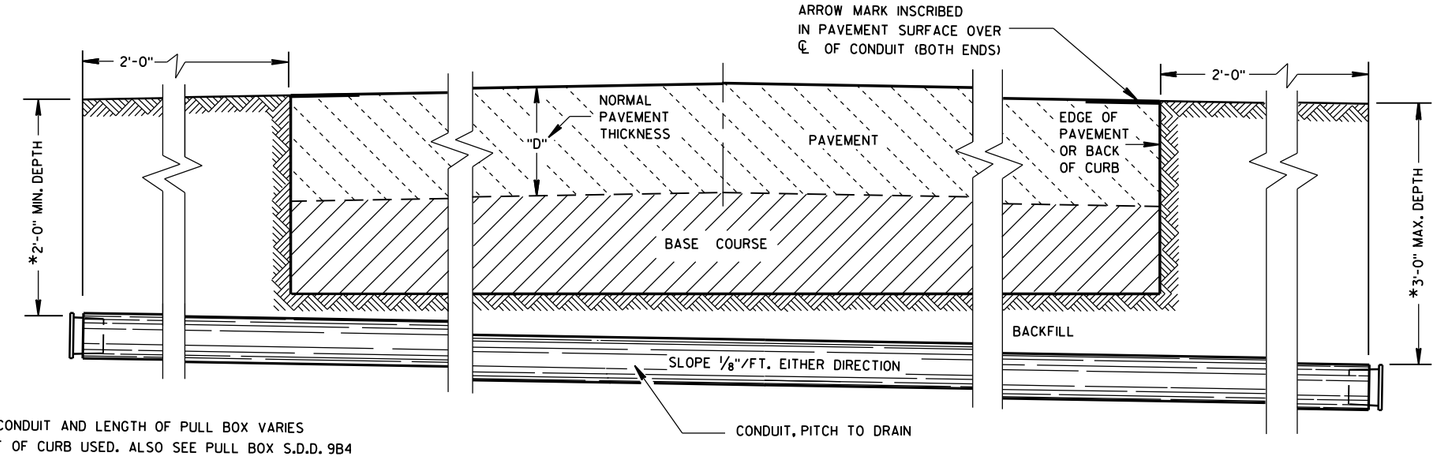
PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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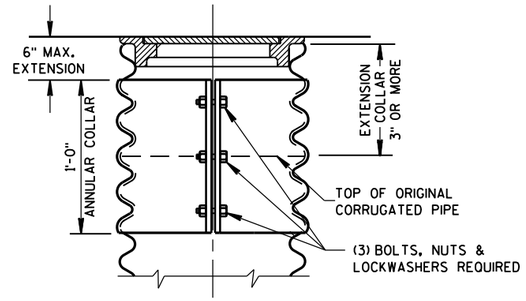
S.D.D. 9 B 2-9

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

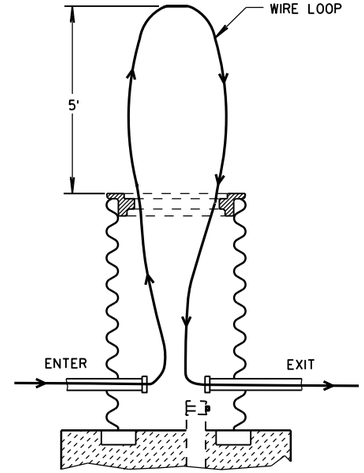
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

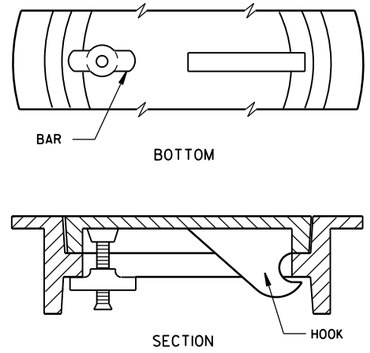
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

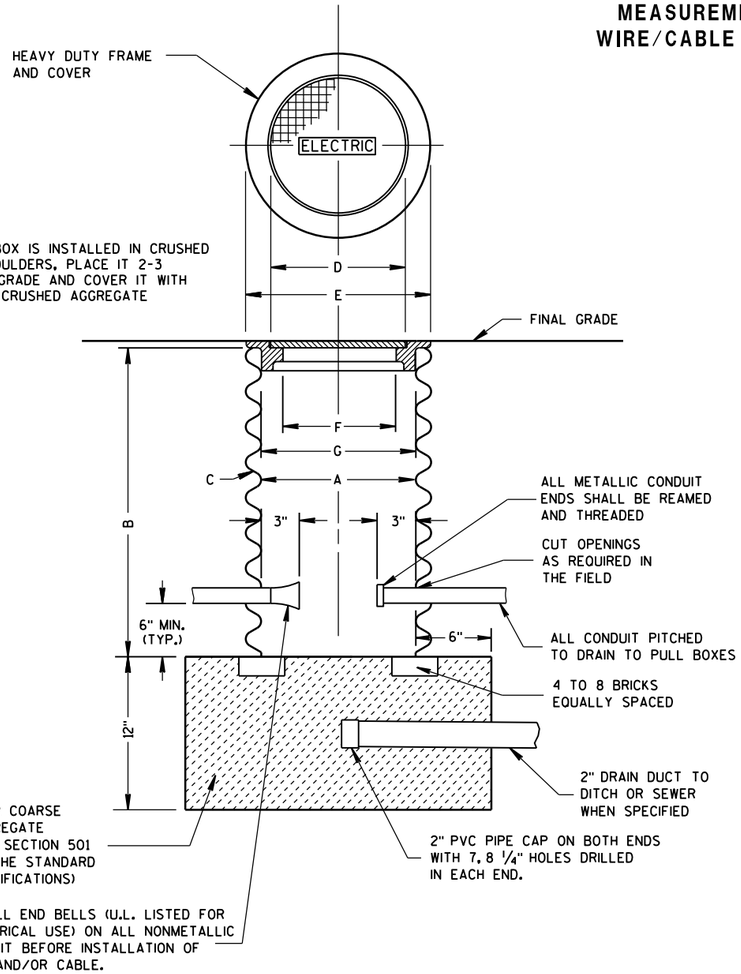


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



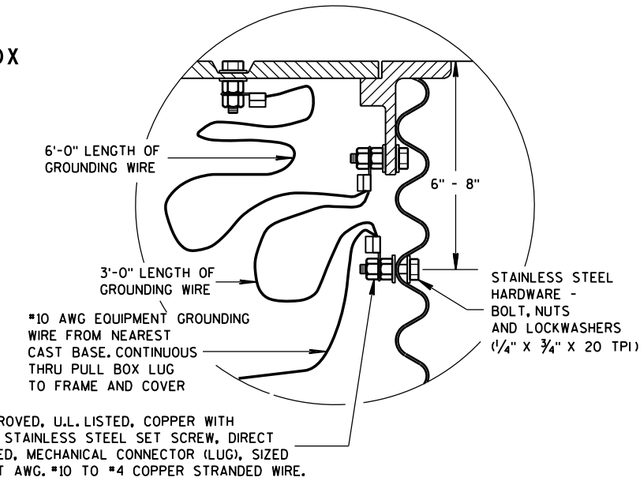
ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE

PULL BOX



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

GENERAL NOTES

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

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

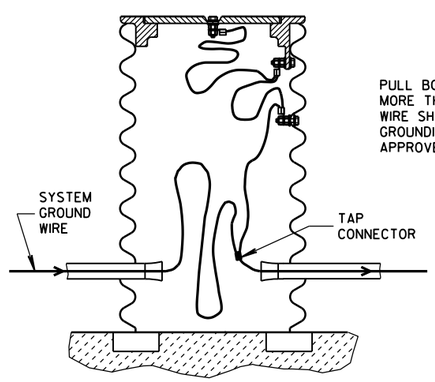
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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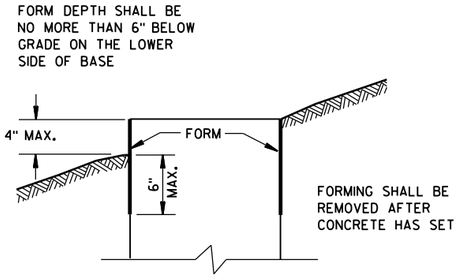
S.D.D. 9 B 4-11



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

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

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

GENERAL NOTES (CONTINUED)

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 1, TYPE 2, TYPE 5, AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE OF THE TYPE 2 AND TYPE 5 BASES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4" "L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND END SHALL NOT BE THREADED.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(3) (4) 1" DIA. X 5'-0" ANCHOR RODS.

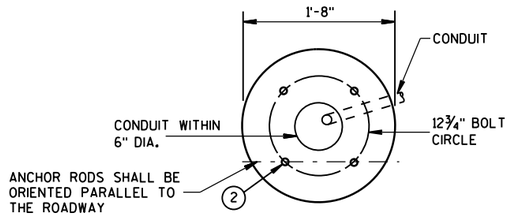
(4) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

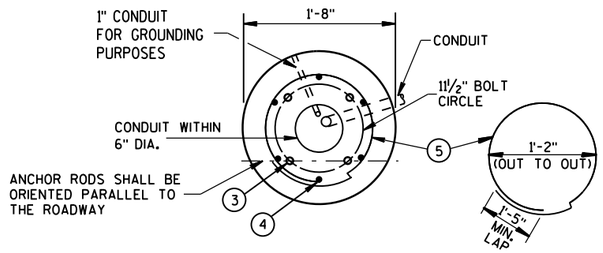
(5) (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

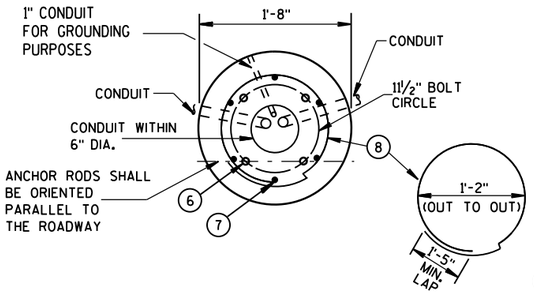
(6) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(7) (6) NO.4 X 4'-8" BAR STEEL REINFORCEMENT.

(8) (5) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

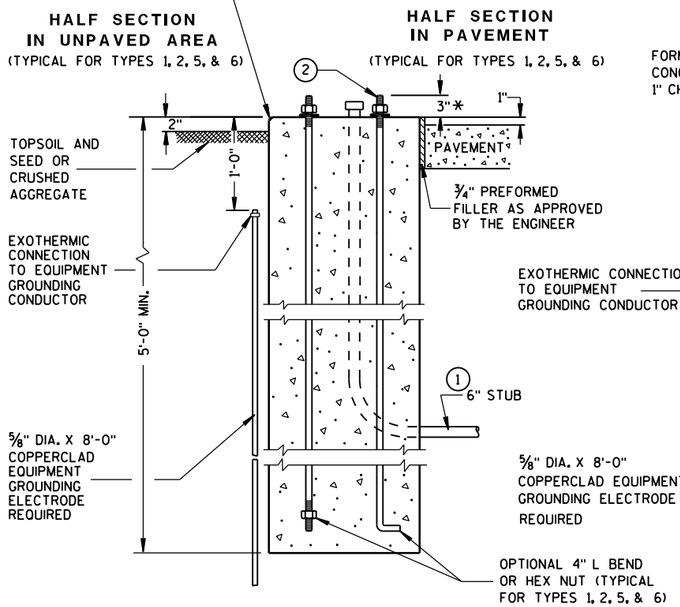






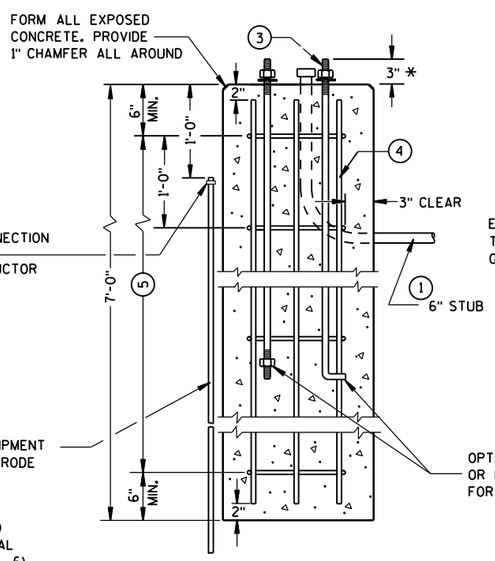
HALF SECTION IN UNPAVED AREA

(TYPICAL FOR TYPES 1, 2, 5, & 6)

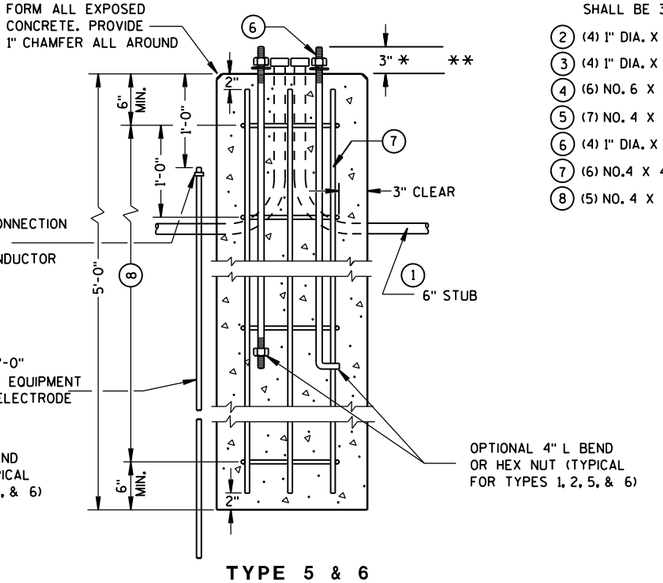


HALF SECTION IN PAVEMENT

(TYPICAL FOR TYPES 1, 2, 5, & 6)



TYPE 2



TYPE 5 & 6

CONCRETE BASES

* ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 3¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

** FOR NONBREAKAWAY INSTALLATIONS, 4½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

CONCRETE BASES, TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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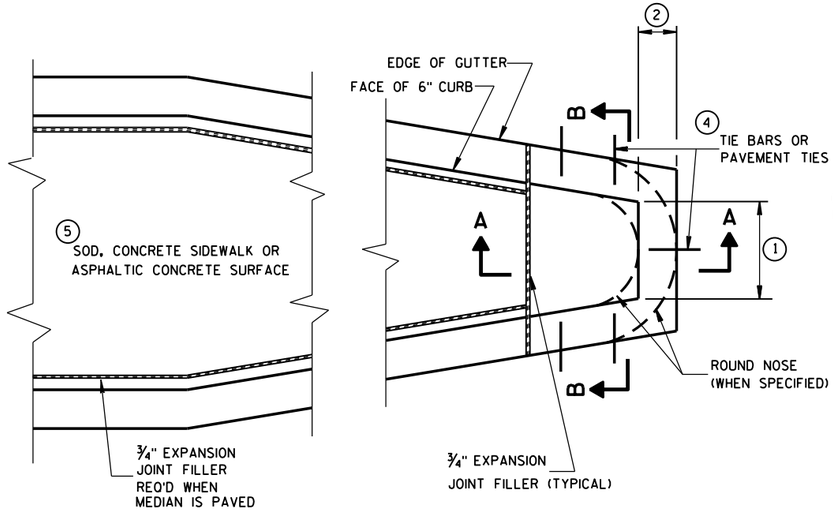
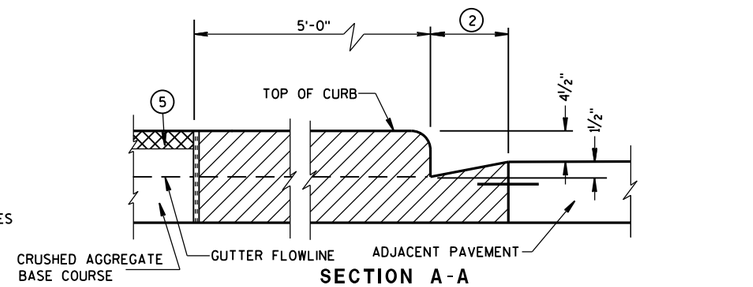
S.D.D. 9 C 2-7





CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

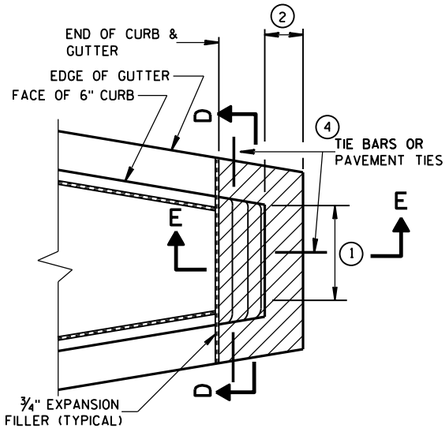
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

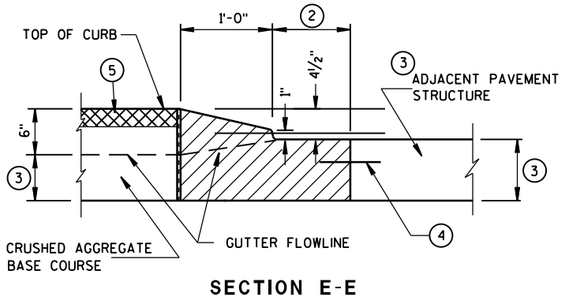
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

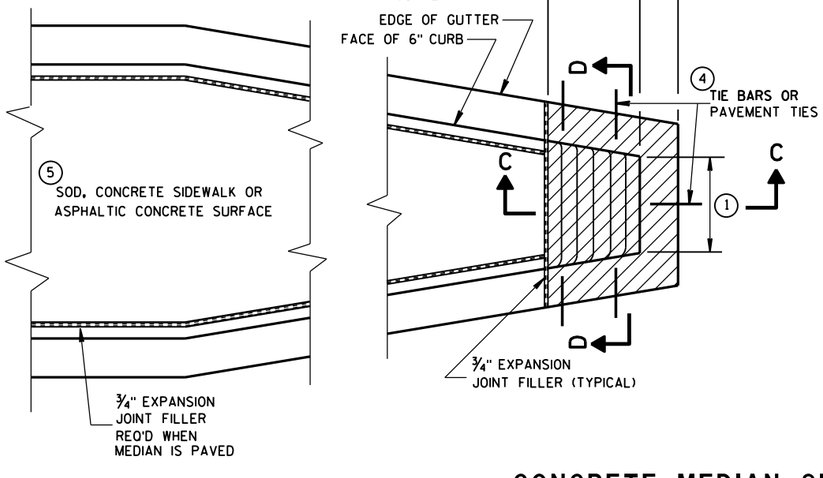
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

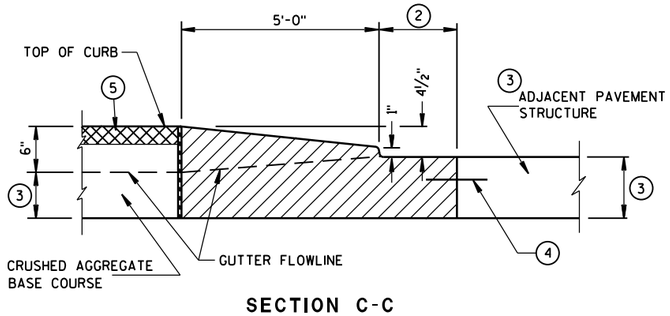




SECTION E-E

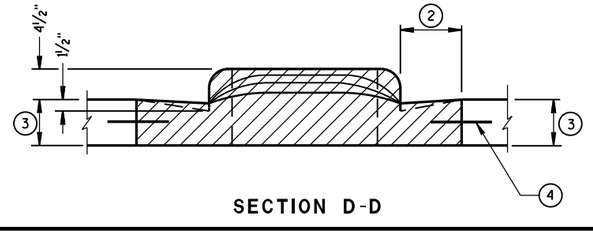
CONCRETE MEDIAN SLOPED NOSE TYPE 2





SECTION C-C

CONCRETE MEDIAN SLOPED NOSE TYPE 1



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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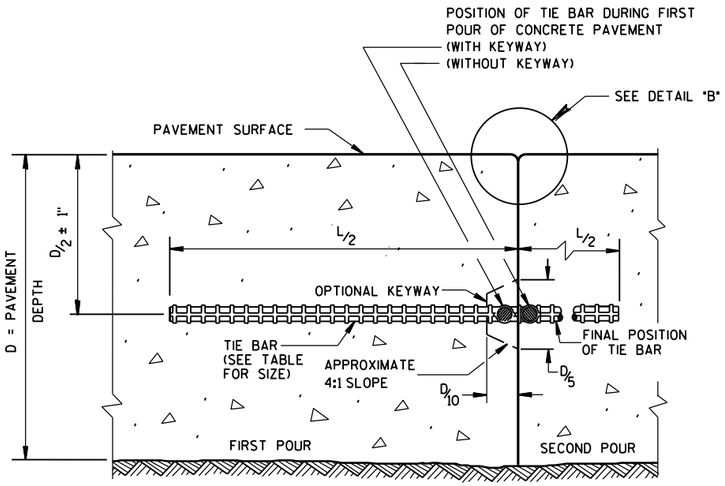
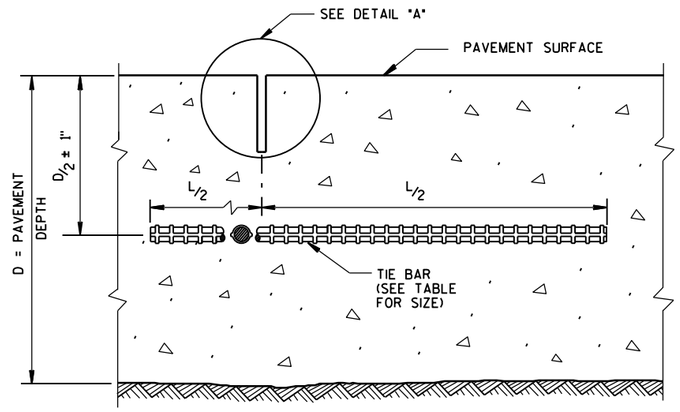
S.D.D. 11 B 2-2



CONSTRUCTION JOINT



SAWED JOINT

GENERAL NOTES

DO NOT SEAL OR FILL LONGITUDINAL JOINTS.

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

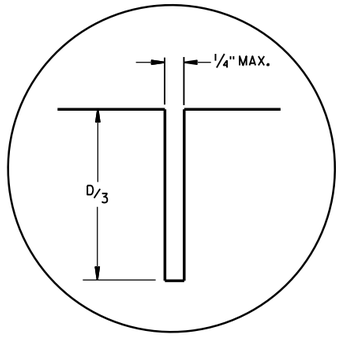
(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

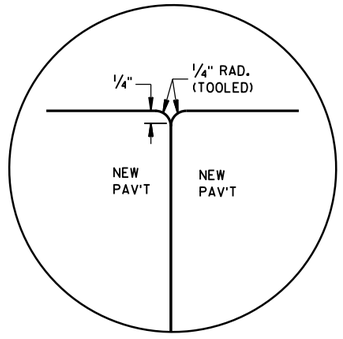
PLAN VIEW

SECTION A-A

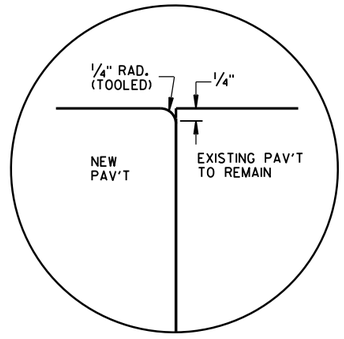
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"



DETAIL "B"



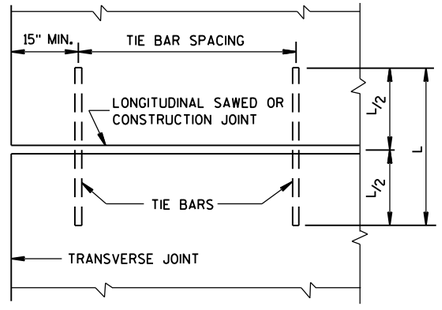
DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPER
FHWA

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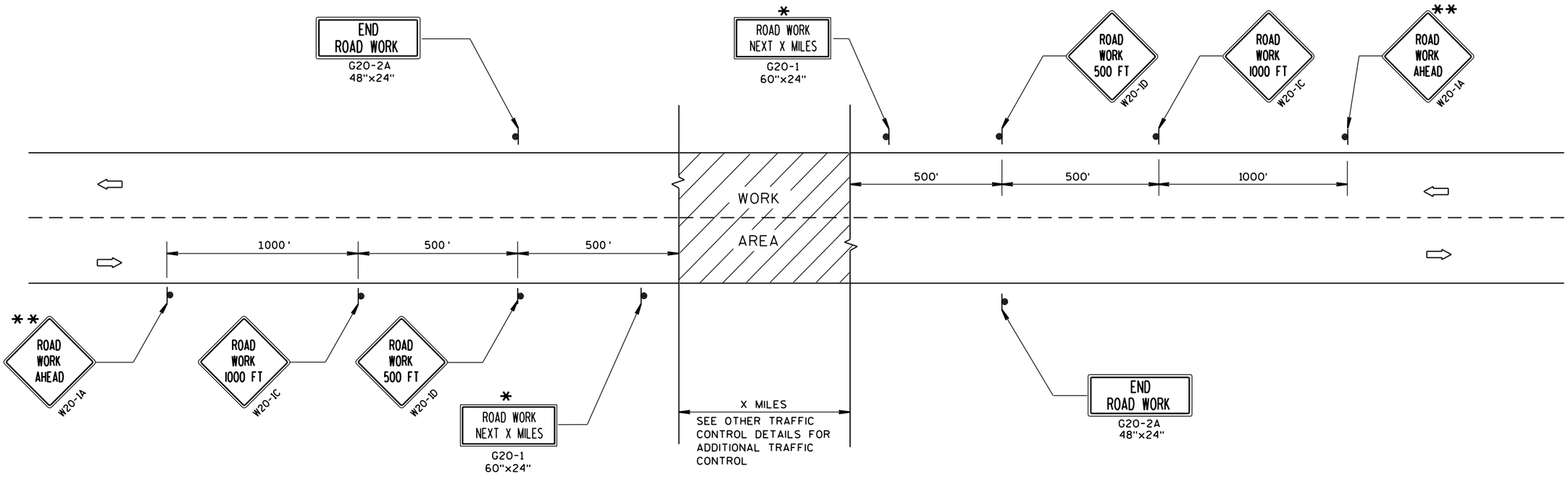
S.D.D. 13 C 1-18



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL

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.

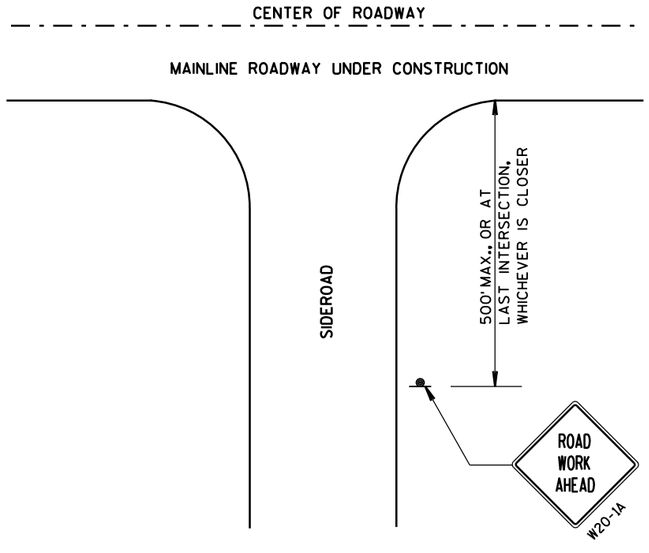
ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 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 RE-ESTABLISHED.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

** PLACE ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2015 — DATE

/S/ Peter Amakobe Atepe — STATEWIDE WORK ZONE SAFETY ENGINEER

FHWA

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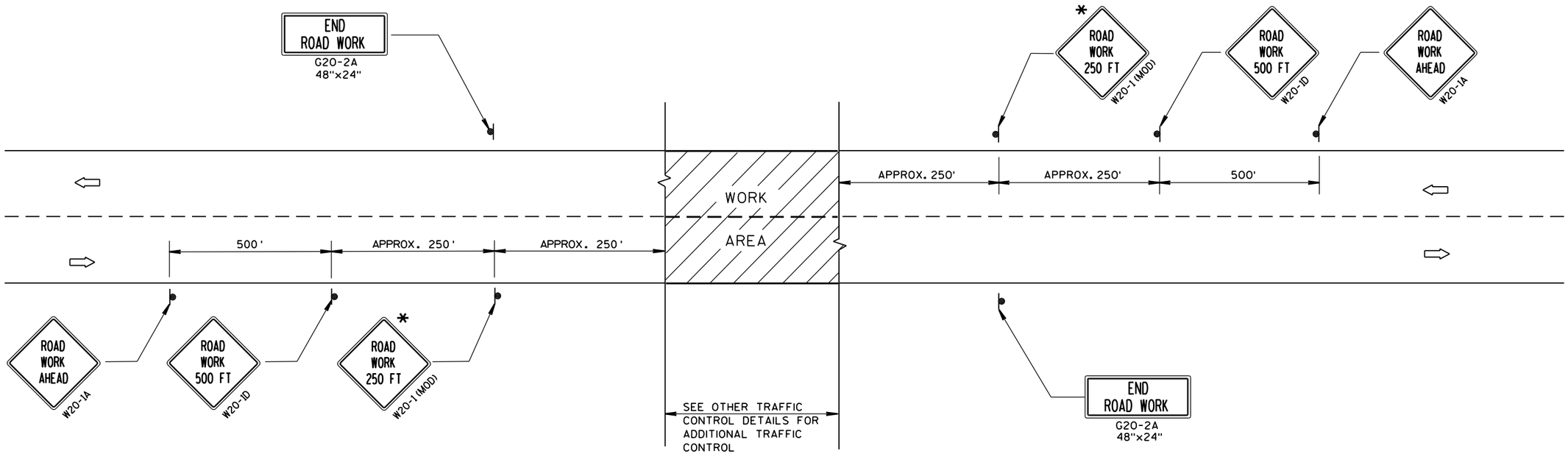
S.D.D. 15 C 4-3

TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



GENERAL NOTES

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

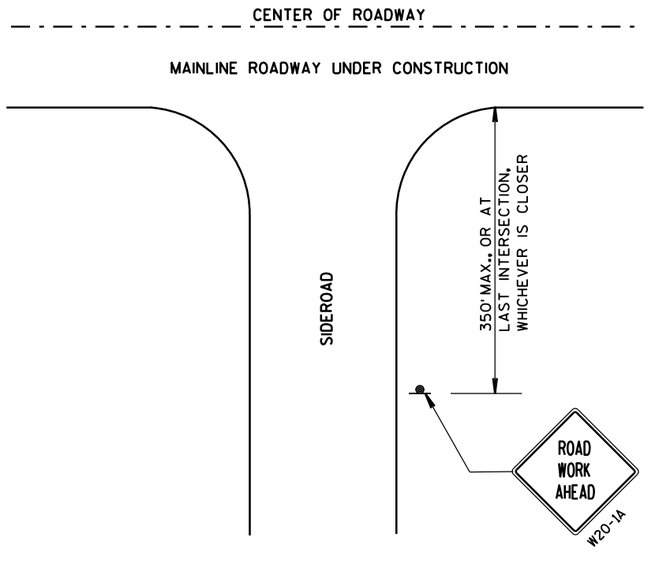
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 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 RE-ESTABLISHED.

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



LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe — STATEWIDE WORK ZONE SAFETY ENGINEER
FHWA

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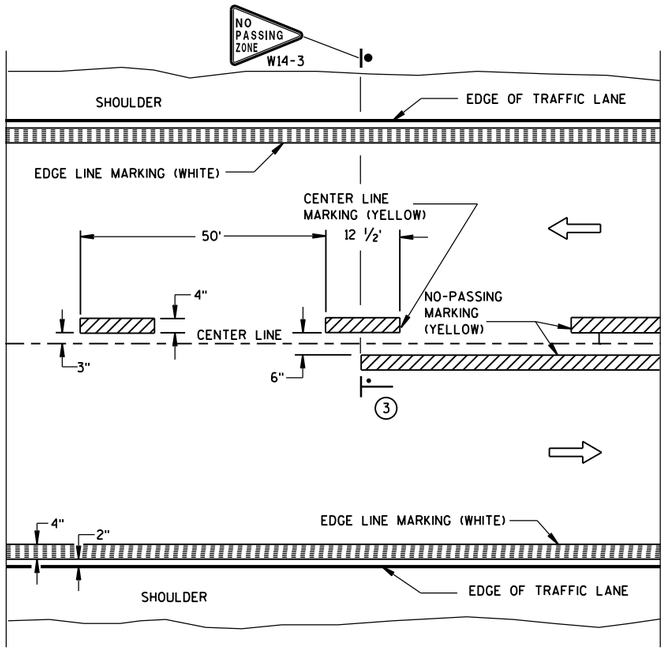
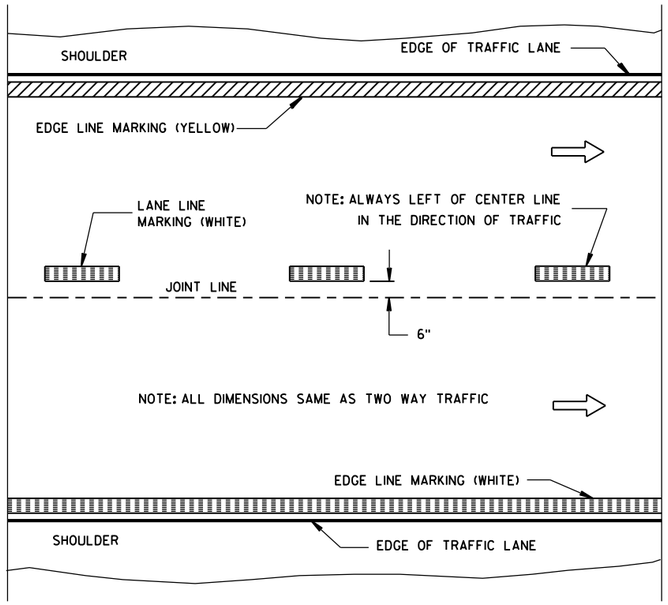
S.D.D. 15 C 5-3

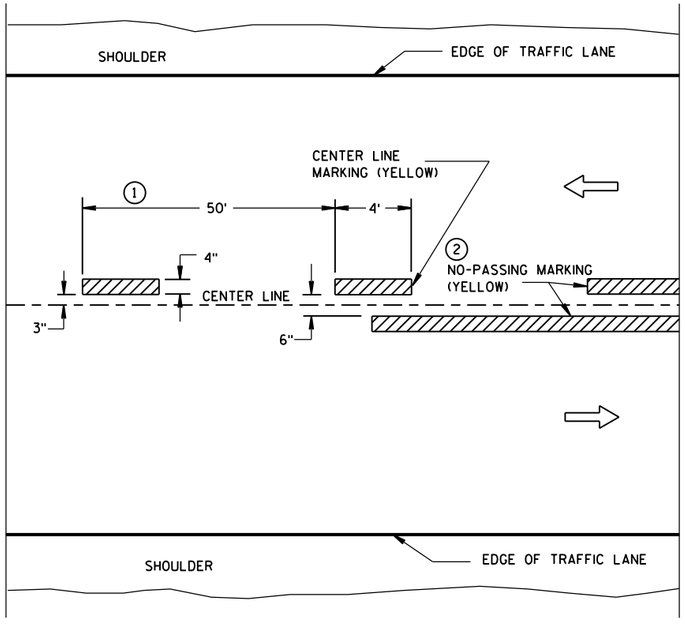


TWO WAY TRAFFIC

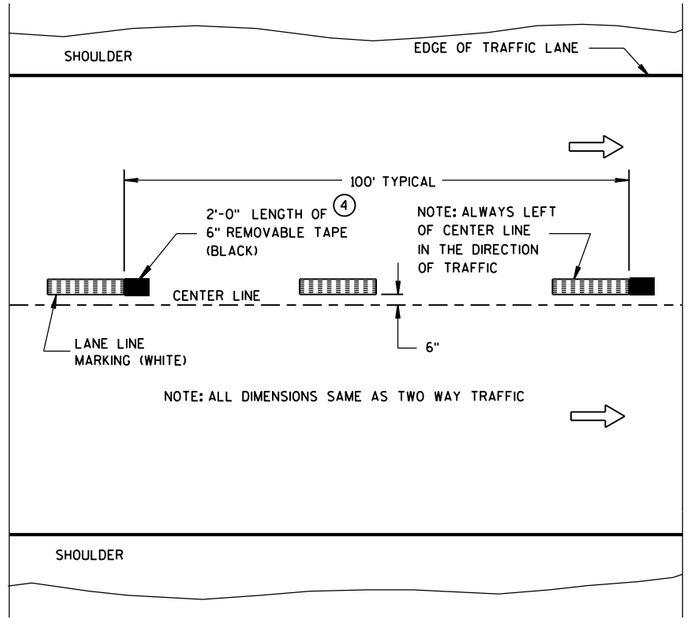


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

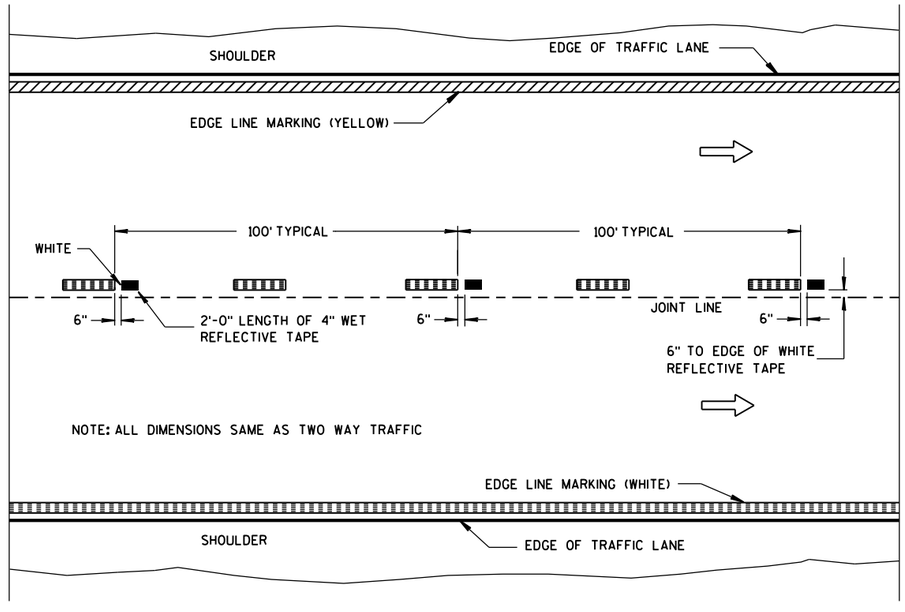
GENERAL NOTES

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

1. HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
2. NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.
3. NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.
4. CONCRETE ONLY.

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



WET REFLECTIVE TAPE SUPPLEMENT TO
SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

LEGEND

"T" MARKING

POST MOUNTED SIGN

PAVEMENT MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5-13-2013 DATE
/S/ Travis Feltes STATE TRAFFIC E
FHWA

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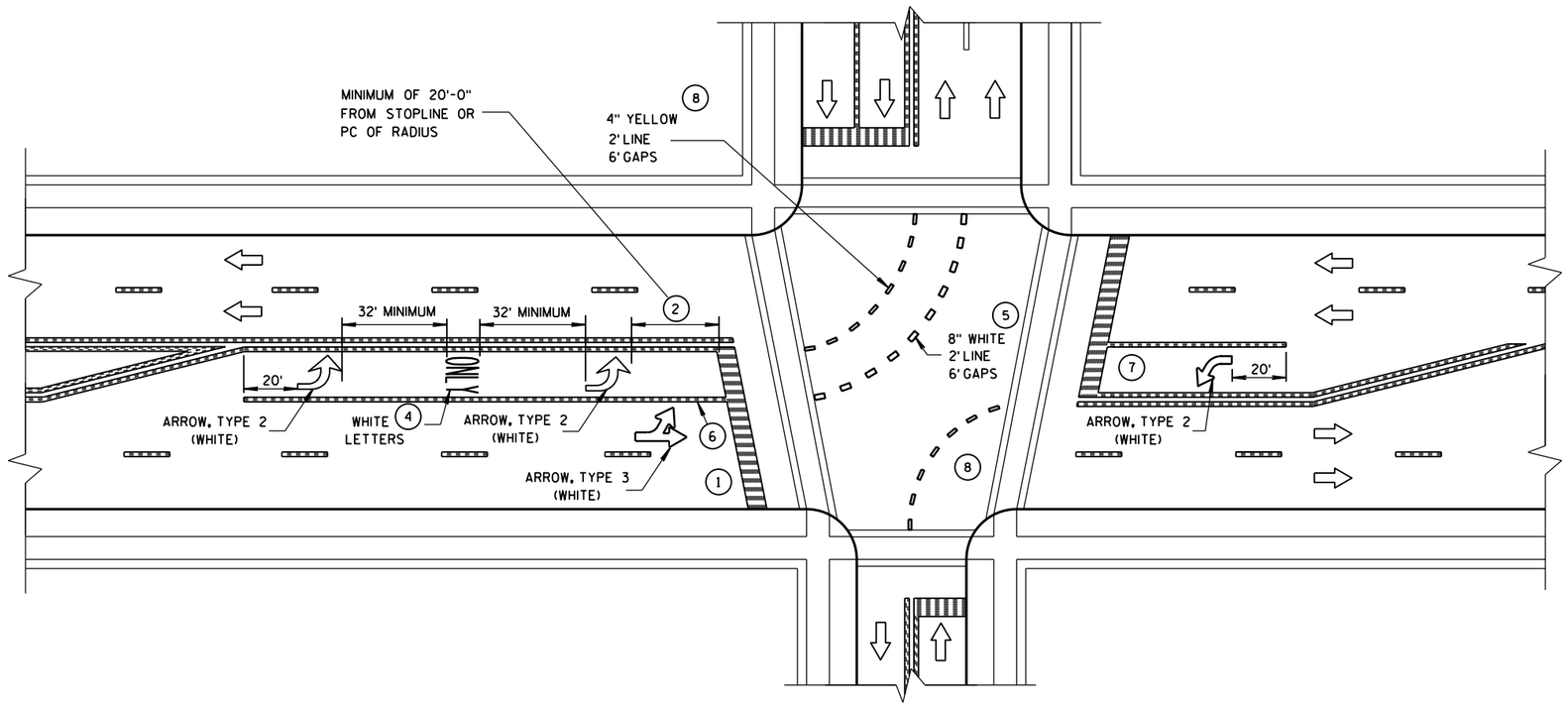
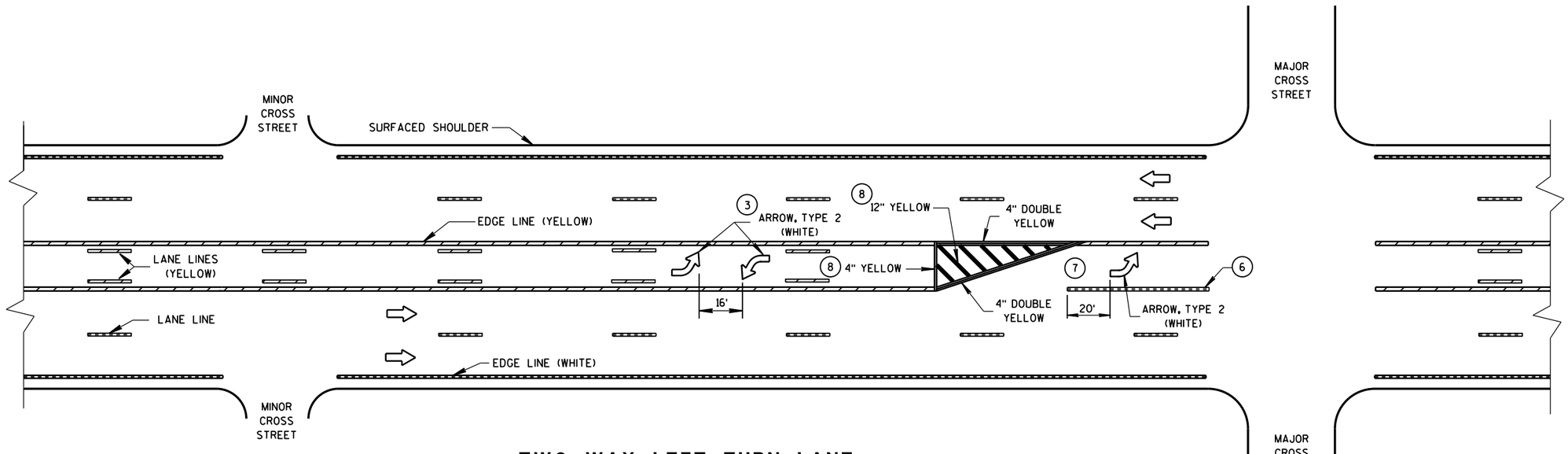
S.D.D. 15 C 8-16a



GENERAL NOTES

1. STOP BAR IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
2. DISTANCE MAY BE ADJUSTED TO ACCOMODATE SHORT LEFT TURN LANES. AS APPROVED BY THE ENGINEER.
3. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
4. ADD EXTRA SETS OF ONE ARROW AND ONE ONLY PER 160 FEET OR WHEN ON A CURVE.
5. 8" WHITE WITH 2' LINE 6' GAPS FOR DUAL TURN LANE.
6. 8" WHITE
7. ADD SECOND ARROW WHEN TURN BAY IS GREATER THAN OR EQUAL TO 108 FEET.
8. REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL



TWO WAY LEFT TURN LANE

PAVEMENT MARKING (LEFT TURN LANE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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S.D.D. 15 C 8-16e

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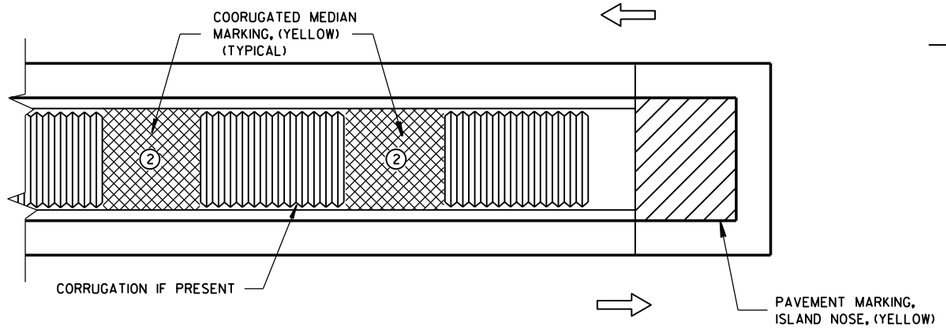
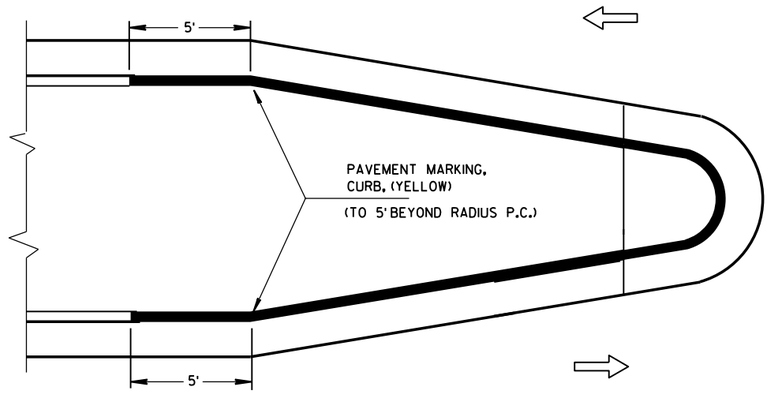
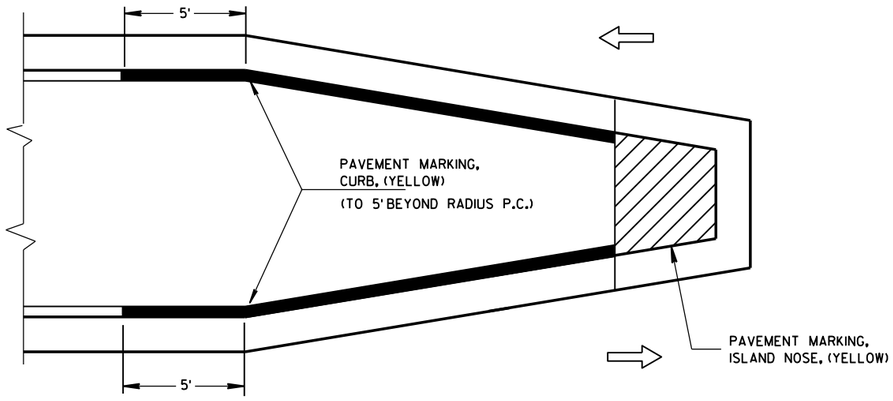
S.D.D. 15 C 8-16e



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

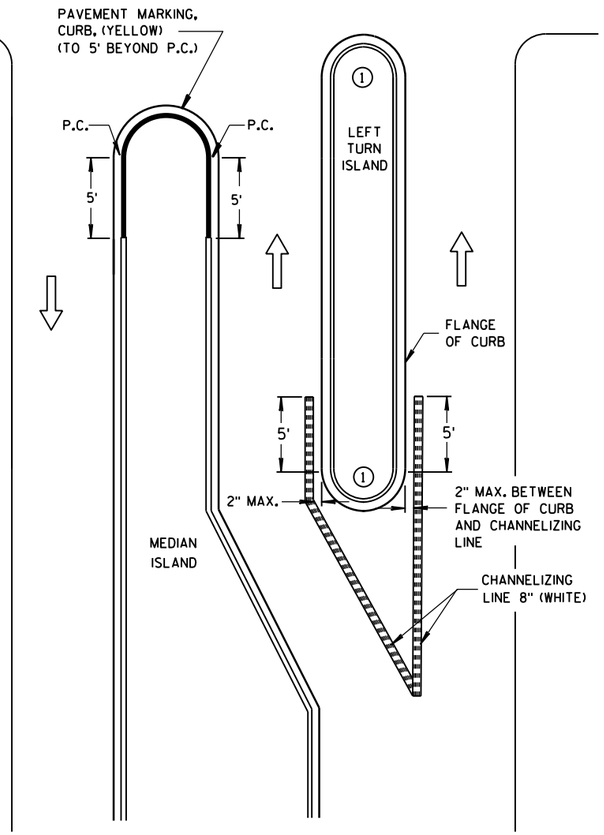


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

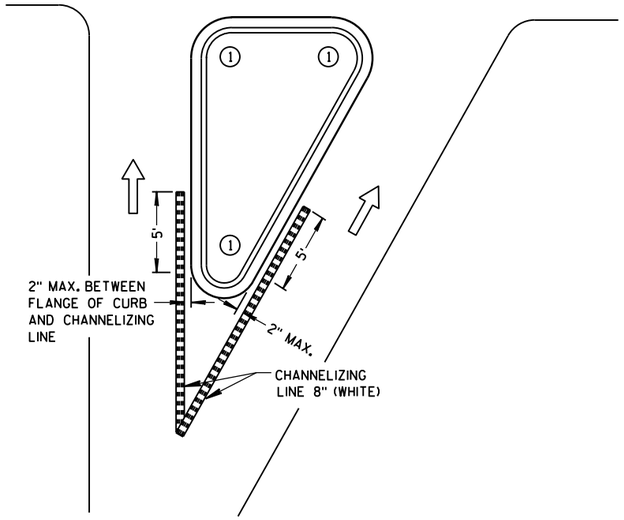


LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

1. DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.

2. WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



RIGHT TURN ISLAND

LEGEND

- ISLAND NOSE MARKING
- CURB MARKING
- CORRUGATED MEDIAN MARKING
- DIRECTION OF TRAVEL

PAVEMENT MARKING
(ISLANDS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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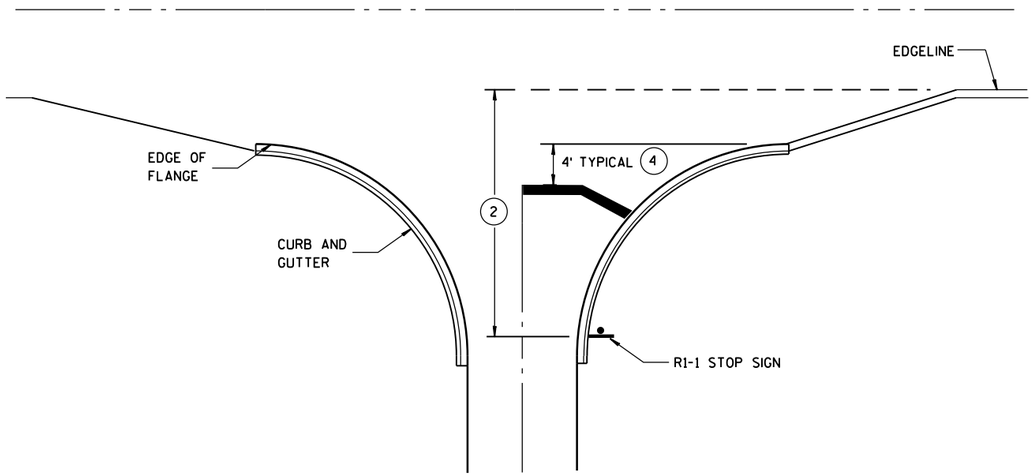
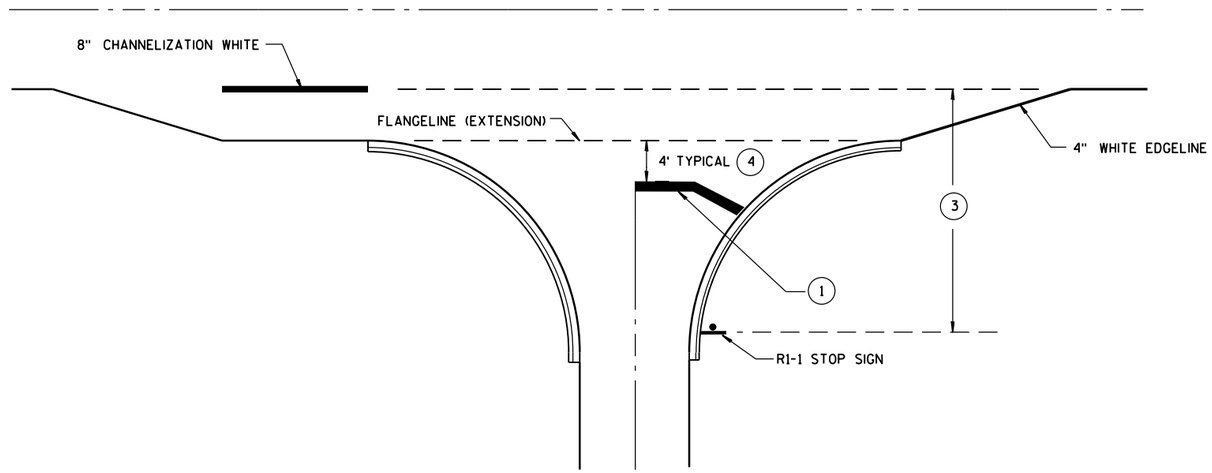
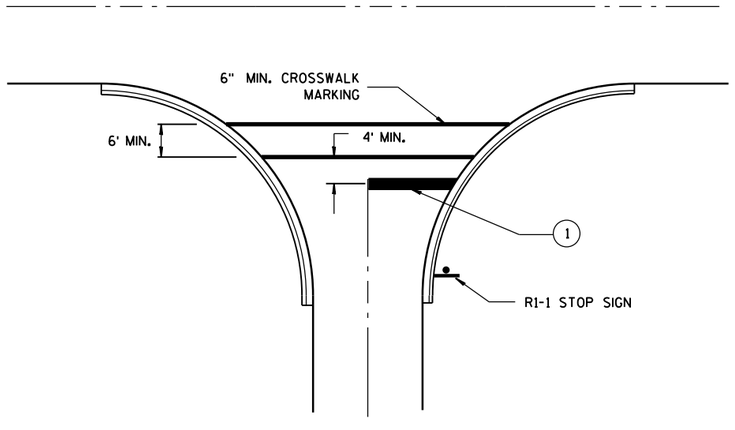


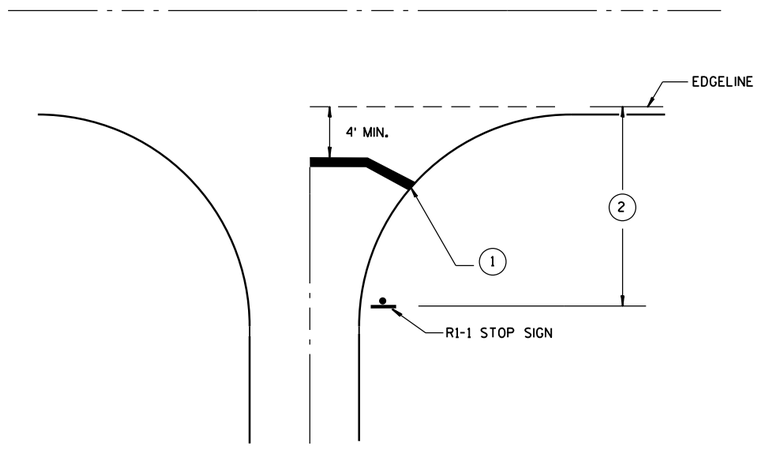
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.
3. IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
4. MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES.

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4/30/2013
DATE

/S/ Travis Feltes
STATE TRAFFIC E

FHWA

6

S.D.D. 15 C 33-1

GENERAL NOTES

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

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

TABLE A

S \ W	SHOULDER TAPER LENGTH (FEET) 4	6	8	10	BUFFER SPACE (FEET)
30	20	30	40	50	200
35	30	45	55	70	250
40	40	55	75	90	305
45	60	90	120	150	360
50	70	100	135	170	425
55	75	110	150	185	495

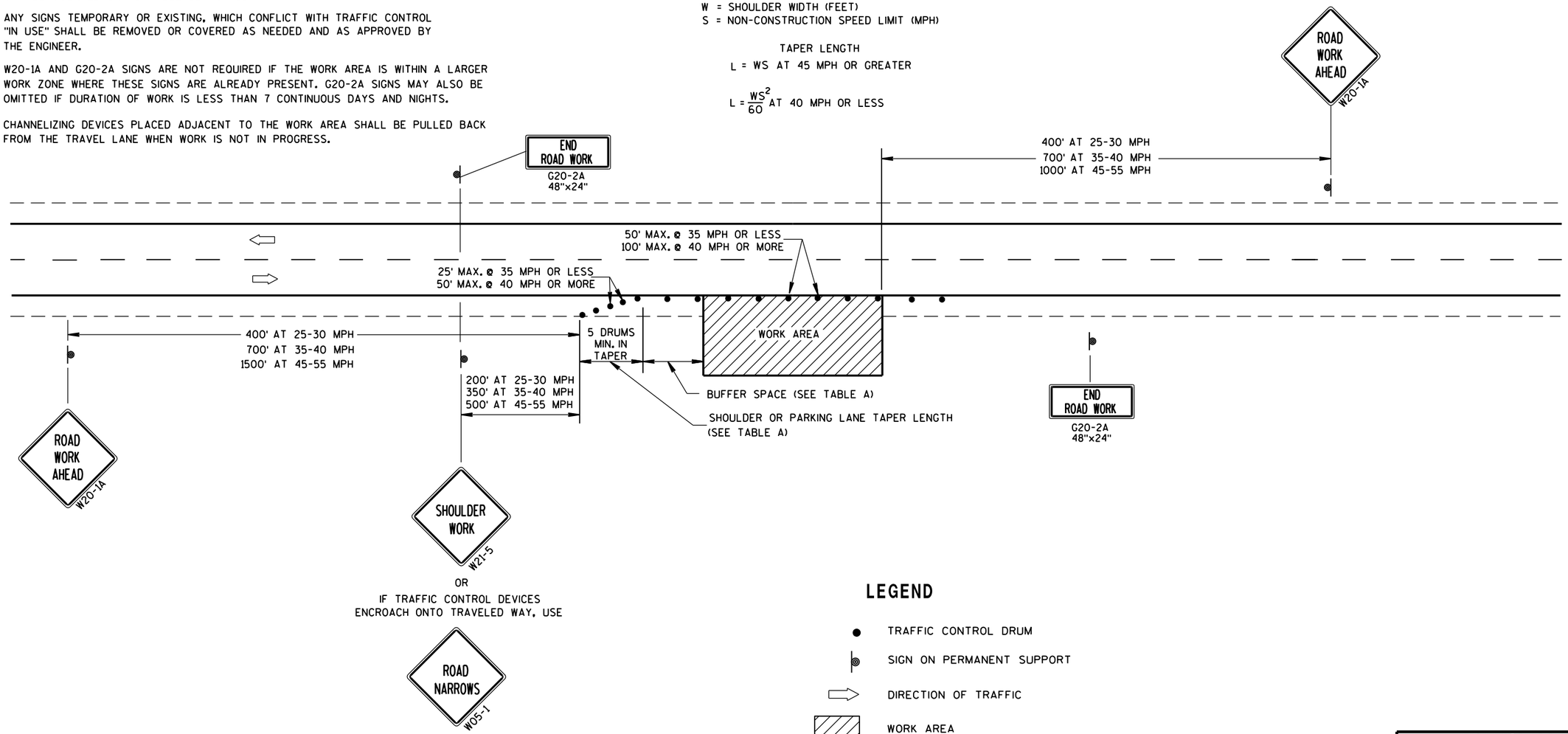
W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

TAPER LENGTH

L = WS AT 45 MPH OR GREATER

$L = \frac{WS^2}{60}$ AT 40 MPH OR LESS

SHOULDER TAPER LENGTH = $\frac{1}{3}L$



LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

July 14, 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] SAFETY ENGII[illegible] — FIC

FHWA

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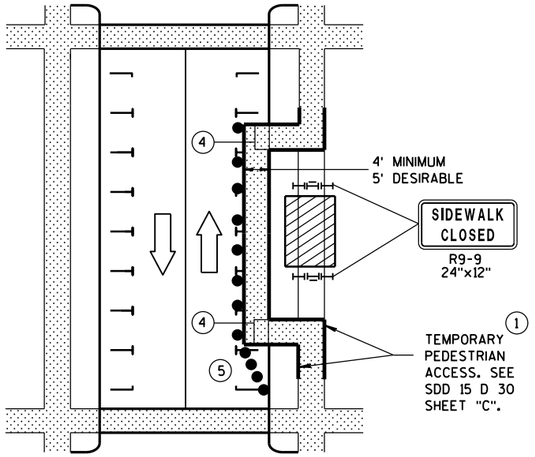
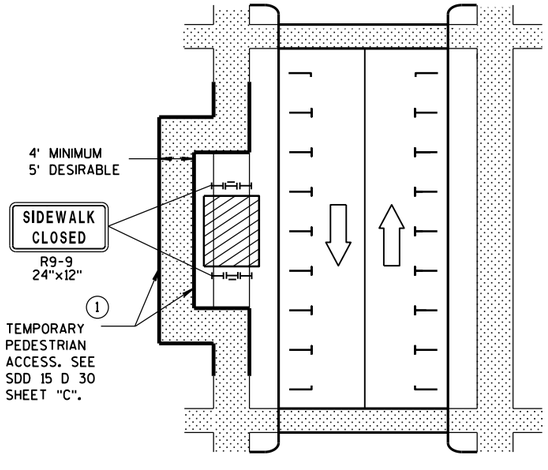
NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

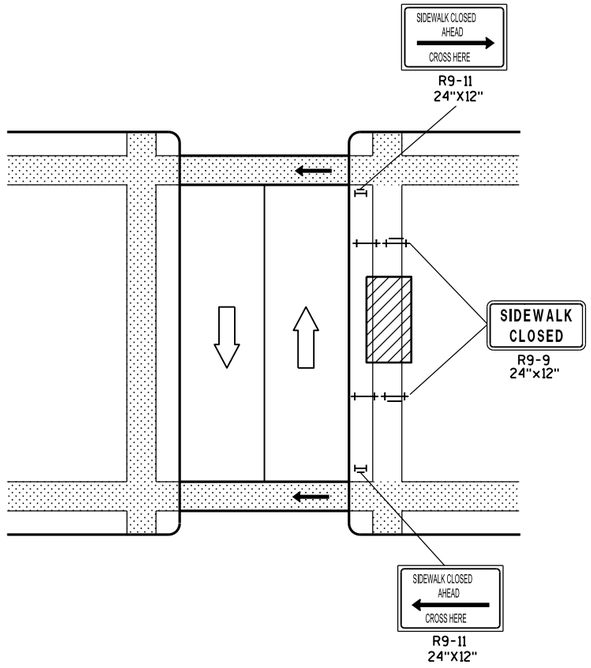


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

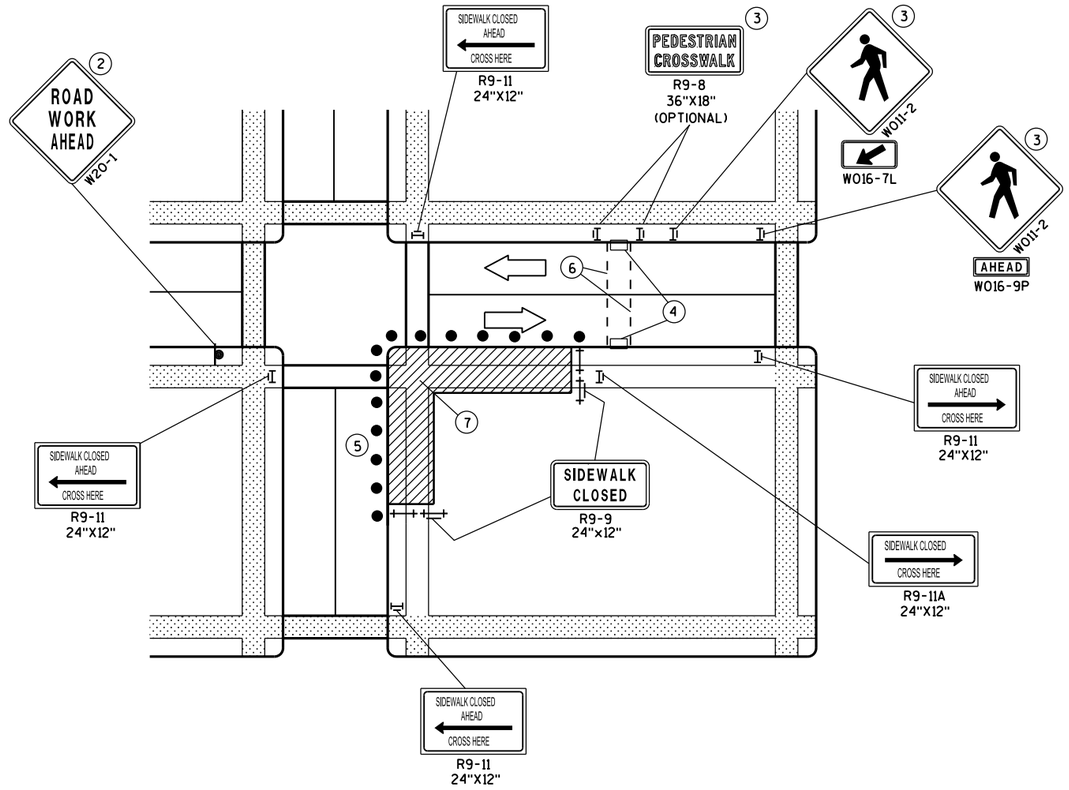
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

FOR NIGHTTIME CLOSURE USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

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

(1) IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE.

(2) "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.

(3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND W011-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.

(4) TEMPORARY CURB RAMPS. SEE SDD 15 D 30 SHEET "B".

(5) DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.

(6) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.

(7) LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

- SIGN ON PERMANENT SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- DIRECTION OF TRAFFIC
- TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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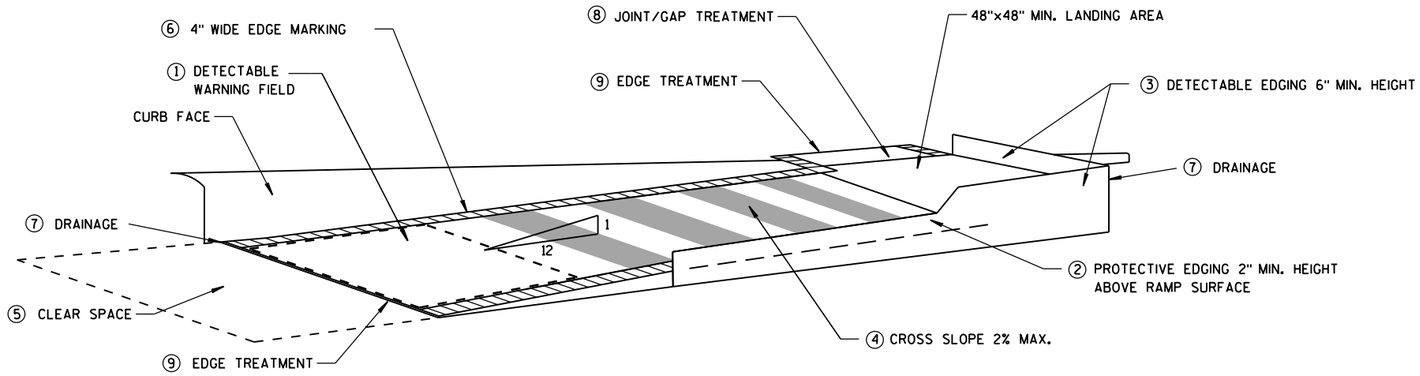
S.D.D. 15 D 30-2a



TEMPORARY CURB RAMP PARALLEL TO CURB

GENERAL NOTES

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

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

① CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 8D5 SHEET "E".

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

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

④ CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

⑤ CLEAR SPACE OF 48"X48" MIN. SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

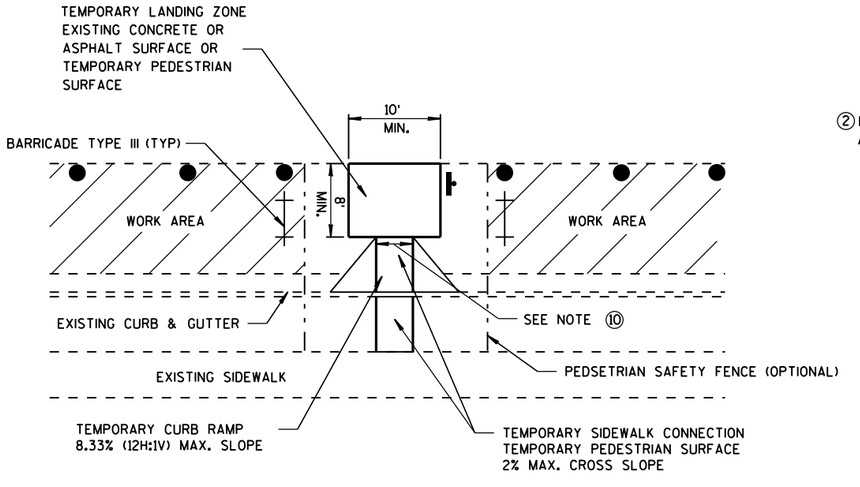
⑥ THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.

⑦ DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

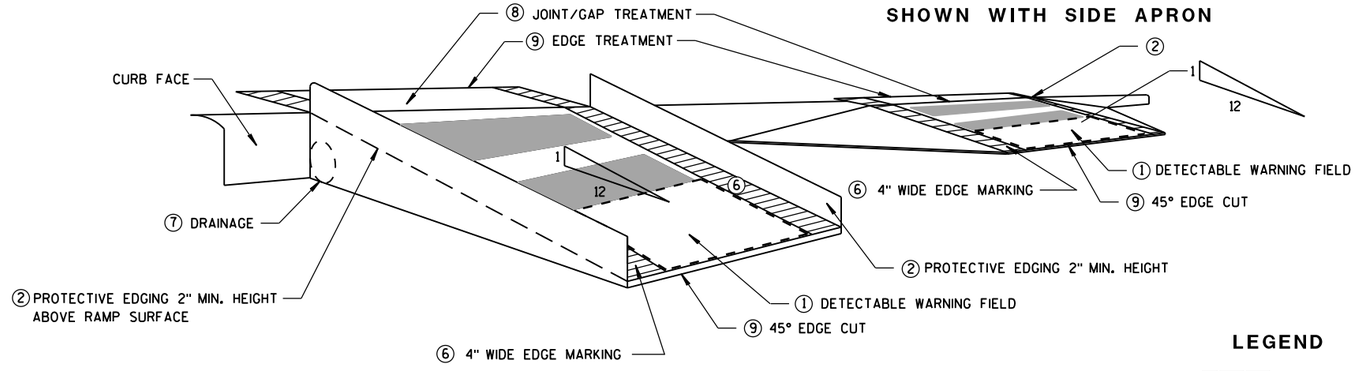
⑧ LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.

⑨ CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED 1/2". LATERAL EDGES SHALL BE VERTICAL UP TO 1/4" HIGH, AND BEVELED AT 1:2 BETWEEN 1/4" AND 1/2".

⑩ 5' WIDE MIN. WITH PEDSETRIAN SAFETY FENCE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY FENCE.



TEMPORARY BUS STOP PAD



SHOWN WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

LEGEND

WORK AREA

TYPE III BARRICADE

TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

March 2015 (DATE) /S/ Travis Feltes (STATE TRAFFIC ENGINEER) (SIGN)

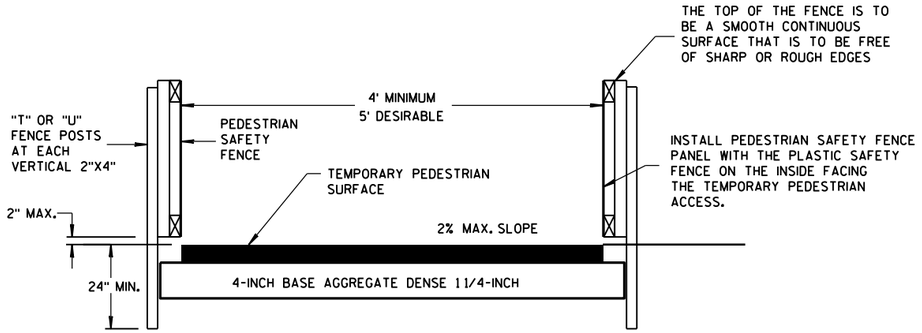
FHWA

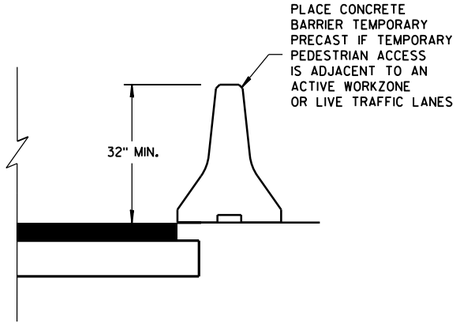
6

S.D.D. 15 D 30-2b

6

S.D.D. 15 D 30-2b

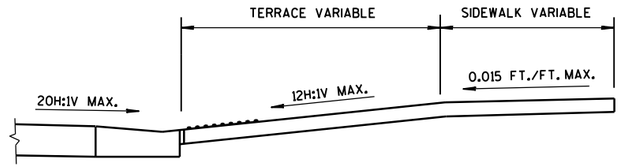




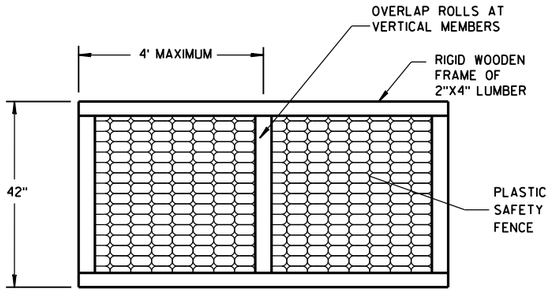
TEMPORARY PEDESTRIAN ACCESS

GENERAL NOTES

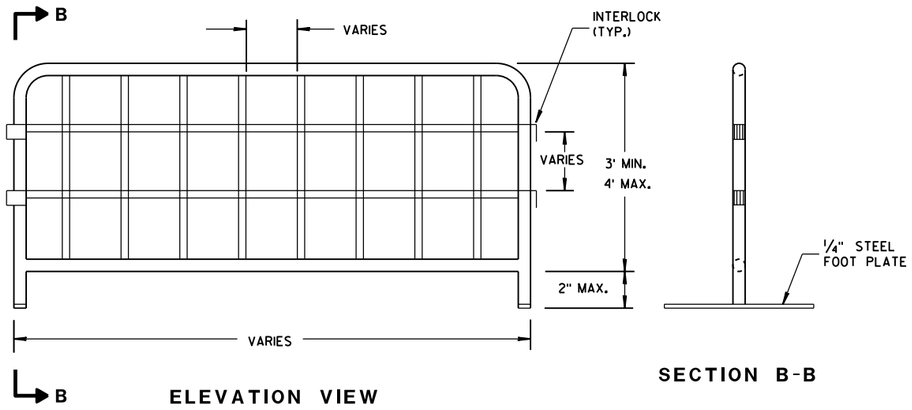
(1) INTERCHANGEABLE WITH THE PEDESTRIAN SAFETY FENCE.



SECTION A-A



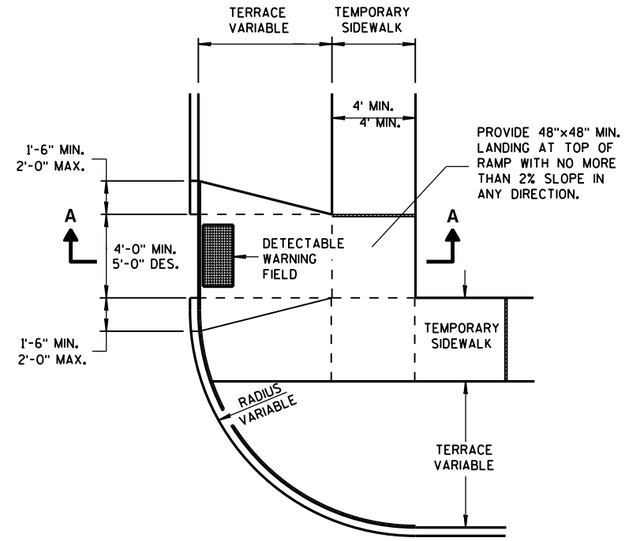
PEDESTRIAN SAFETY FENCE



ELEVATION VIEW

SECTION B-B

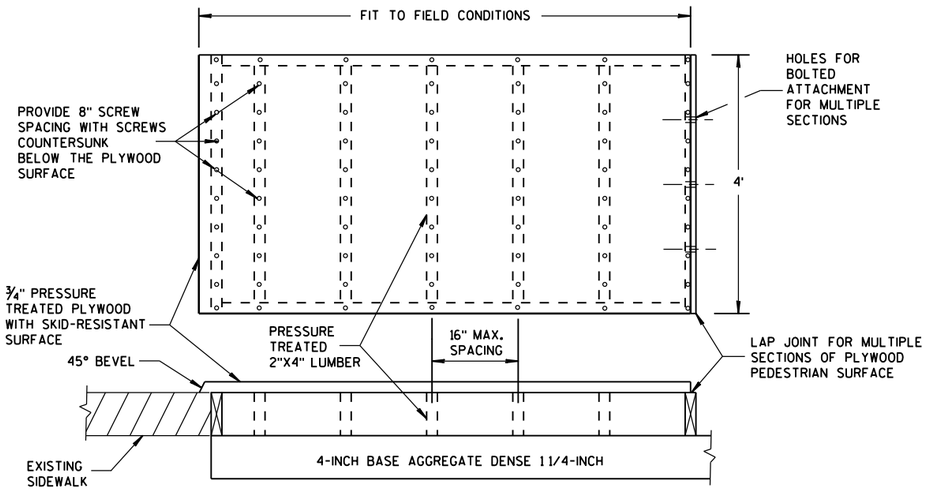
TEMPORARY PEDESTRIAN STEEL BARRICADE (1)



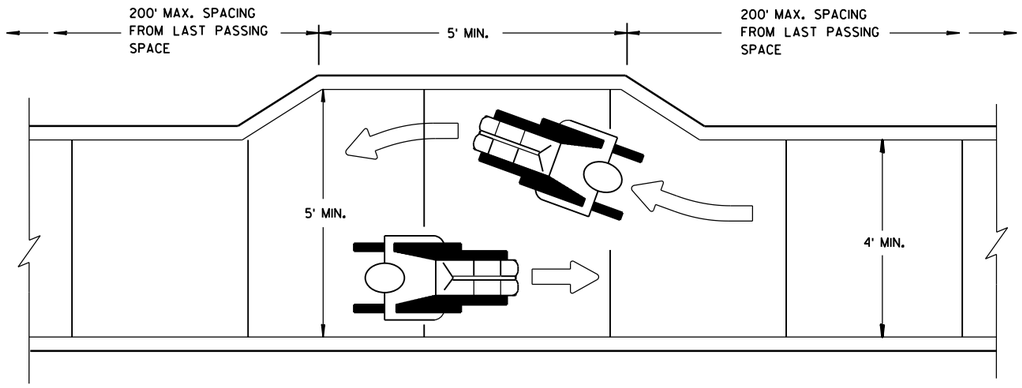
PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



NARROW SIDEWALK PASSING DETAIL

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2015 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER — SIGN
FHWA

6

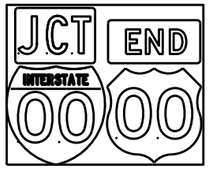
S.D.D. 15 D 30-2c

6

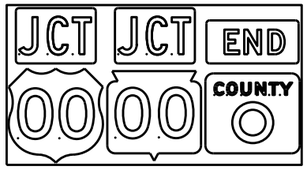
S.D.D. 15 D 30-2c

TYPICAL ASSEMBLIES

J1-1

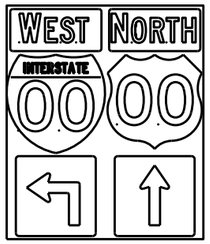


J1-2

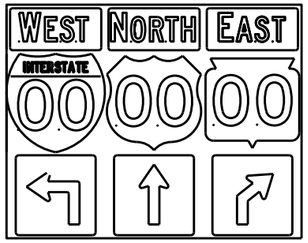


J1-3

J2-1



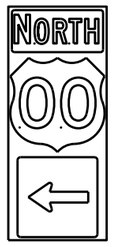
J2-2



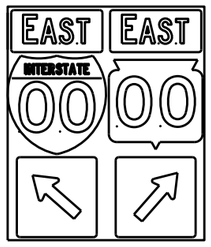
J2-3

JV

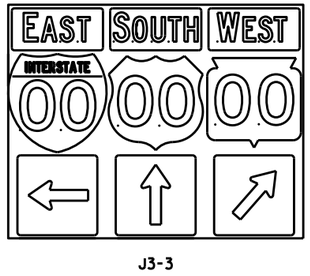
(Typical Vertical J-Assembly
See Note 10 and 11)



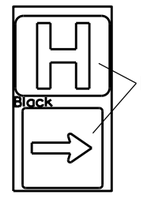
J3-1



J3-2

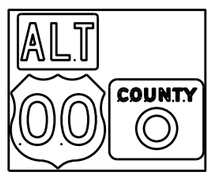


J3-3

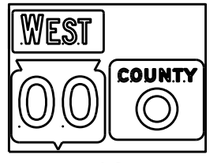


JH-1

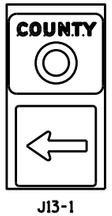
J4-1



J4-2



J4-2



J13-1

J12-1

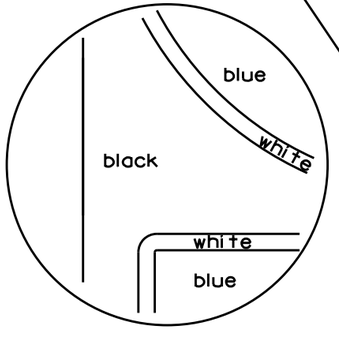
J32-1

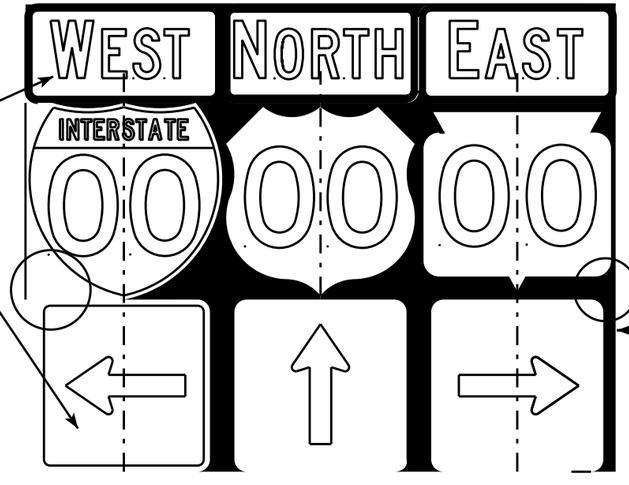
J33-1

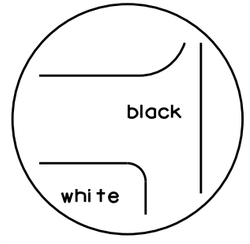
J23-1

J22-1

[blue background with interstate]







[black background]

NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

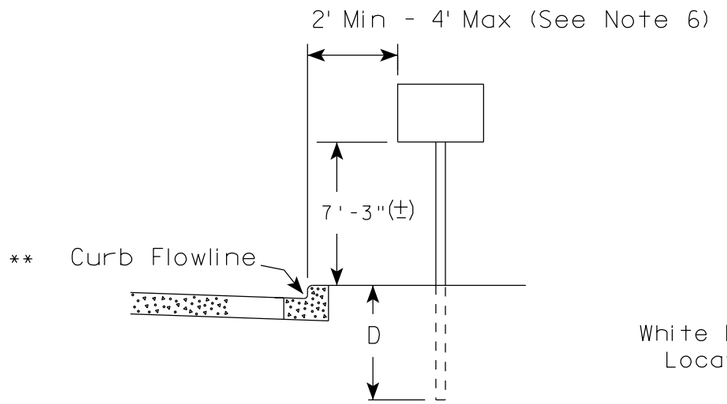
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/06/14 PL... A2-1S.8

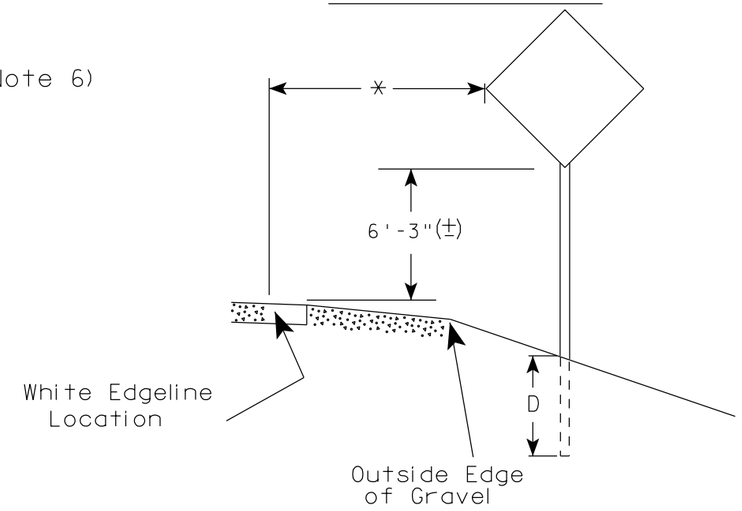
PROJECT NO: | SHEET NO: E

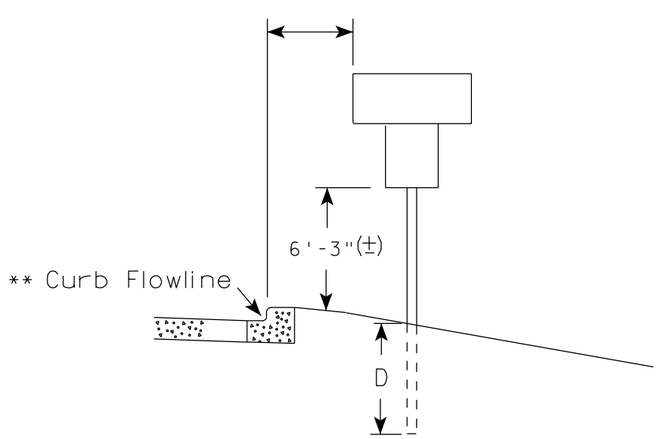
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A21S.DGN PLOT DATE : 06-FEB-2014 14:10 PLOT BY : mscsja PLOT NAME :
WISDOT/CADDS SHEET 42

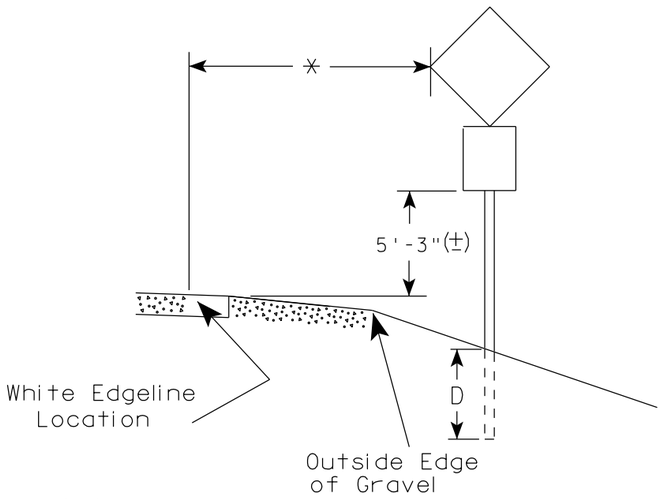
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
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 J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.
9. 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), 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" (±).

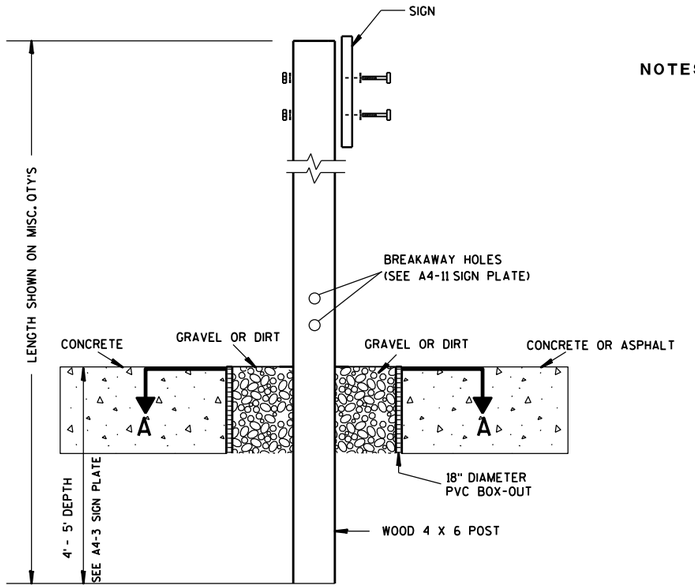
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-3.20

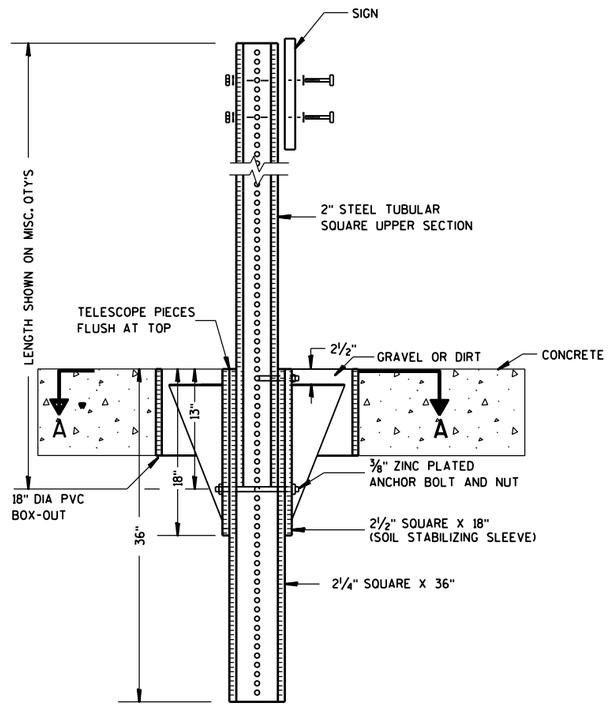
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



ELEVATION VIEW

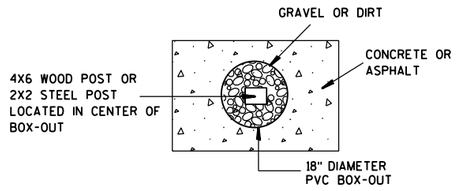
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

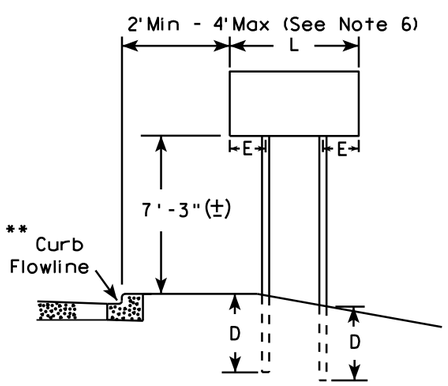
APPROVED Matthew R Rauch
for State Traffic Engineer

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

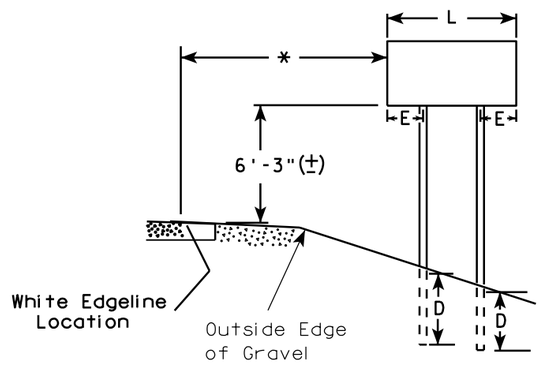
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

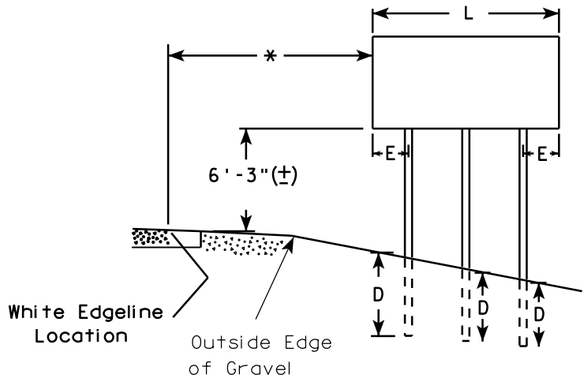
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

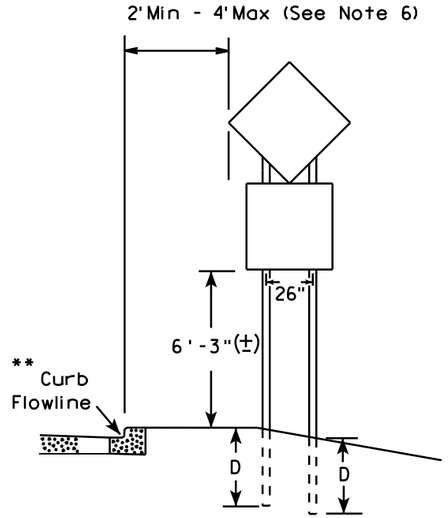
URBAN AREA



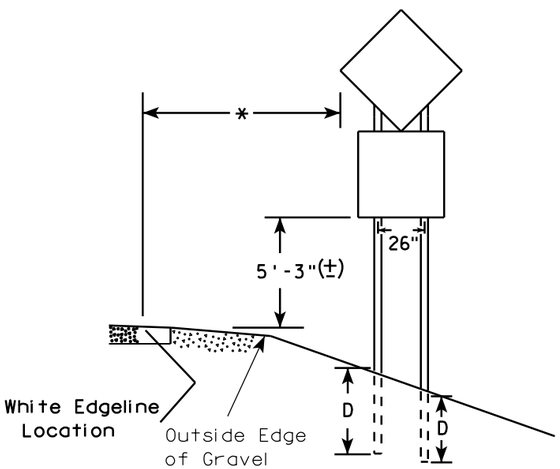
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

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. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
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.

***

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
Greater than 48" Less than 60"	12"
60" to 120"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 120" less than 168"	12"

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" and greater	12"

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

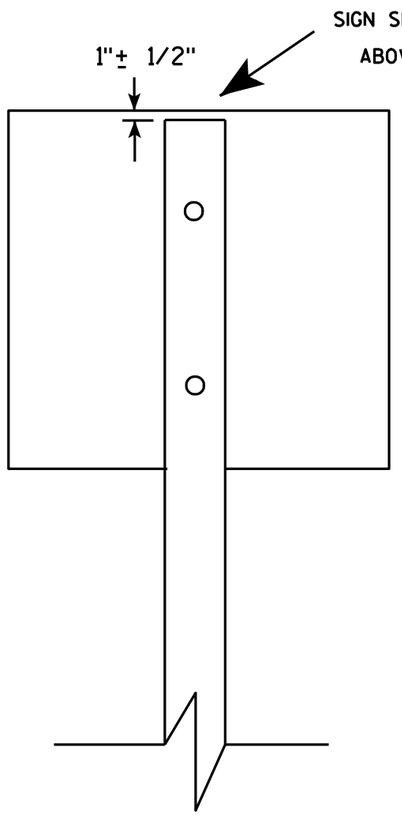
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

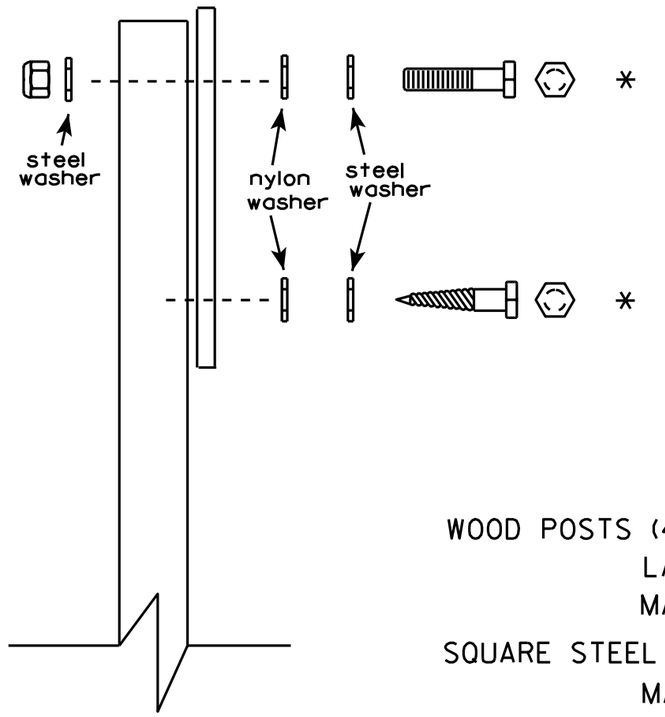
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-4 14/72

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E





Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

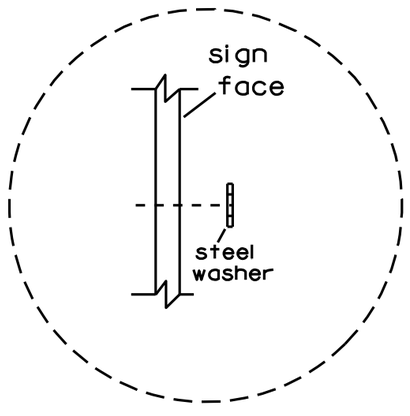
a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

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.

WOOD POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 3/8" X 3"
MACHINE BOLTS - 5/16" X 6-1/2" or 7" Length w/ nuts

SQUARE STEEL POSTS (2" x 2")
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts
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 for all Type H signs.



Washer Placement when Sign Has Other Than Type H or Type F Face

* 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 3/23/10 PLATE NO. A4-8.7

7

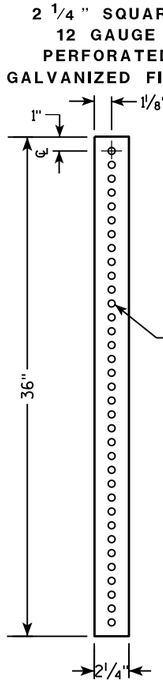
7

PROJECT NO:

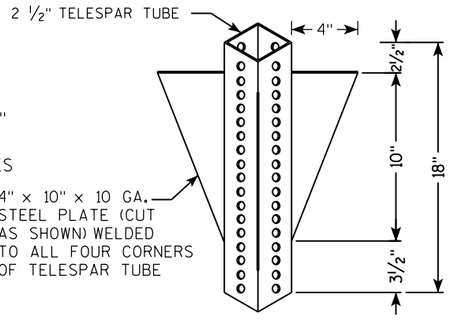
SHEET NO: 73 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

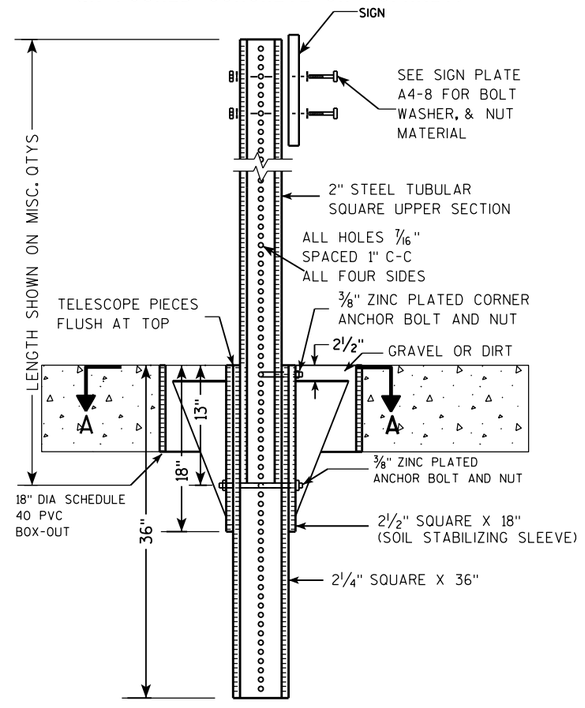
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



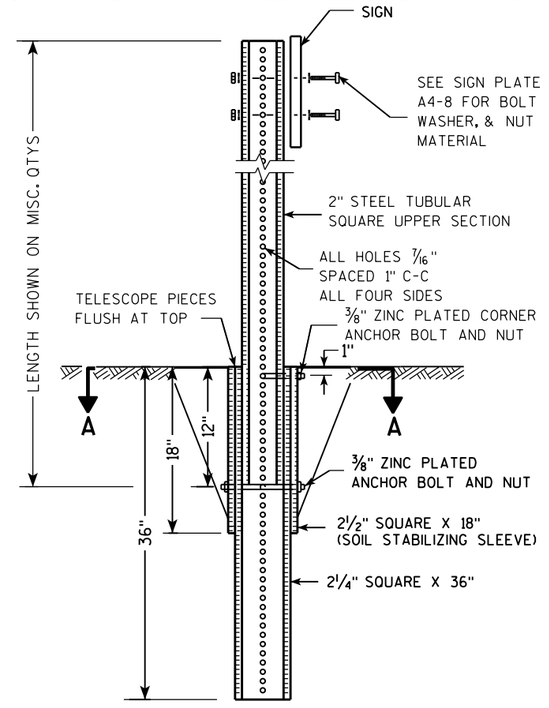
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

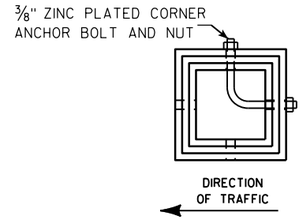


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

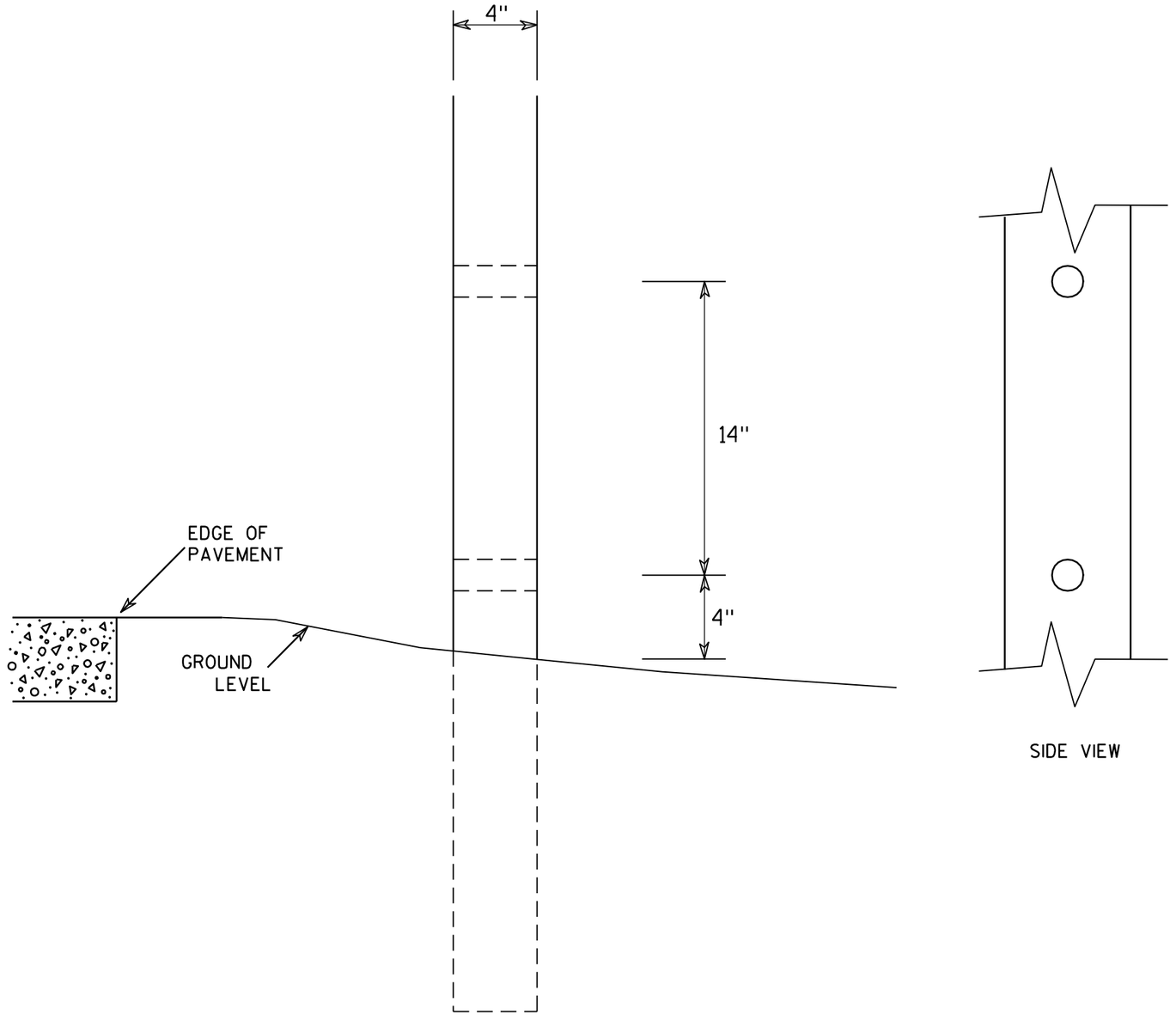
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 74 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

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

WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

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

7

7

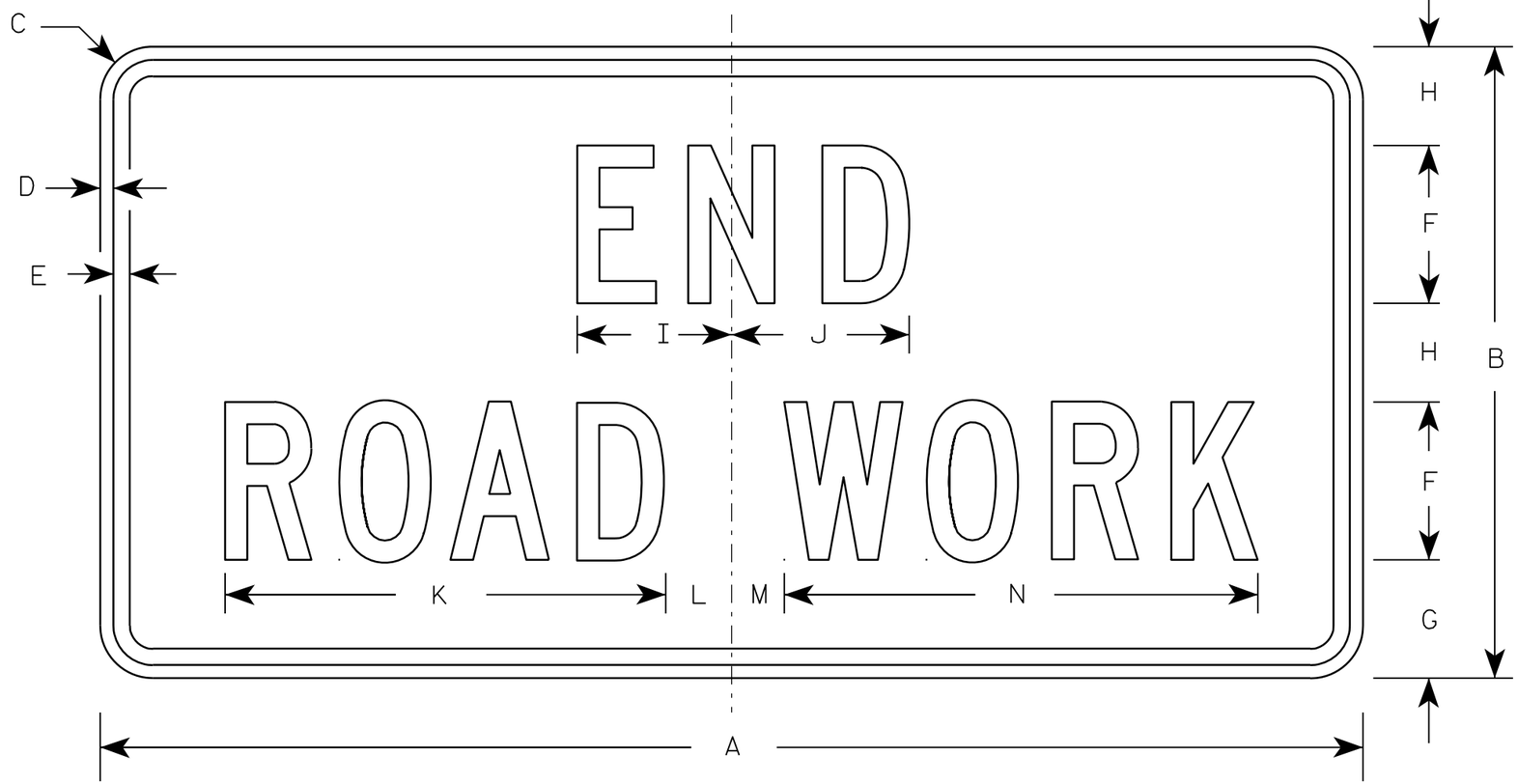
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 75	E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

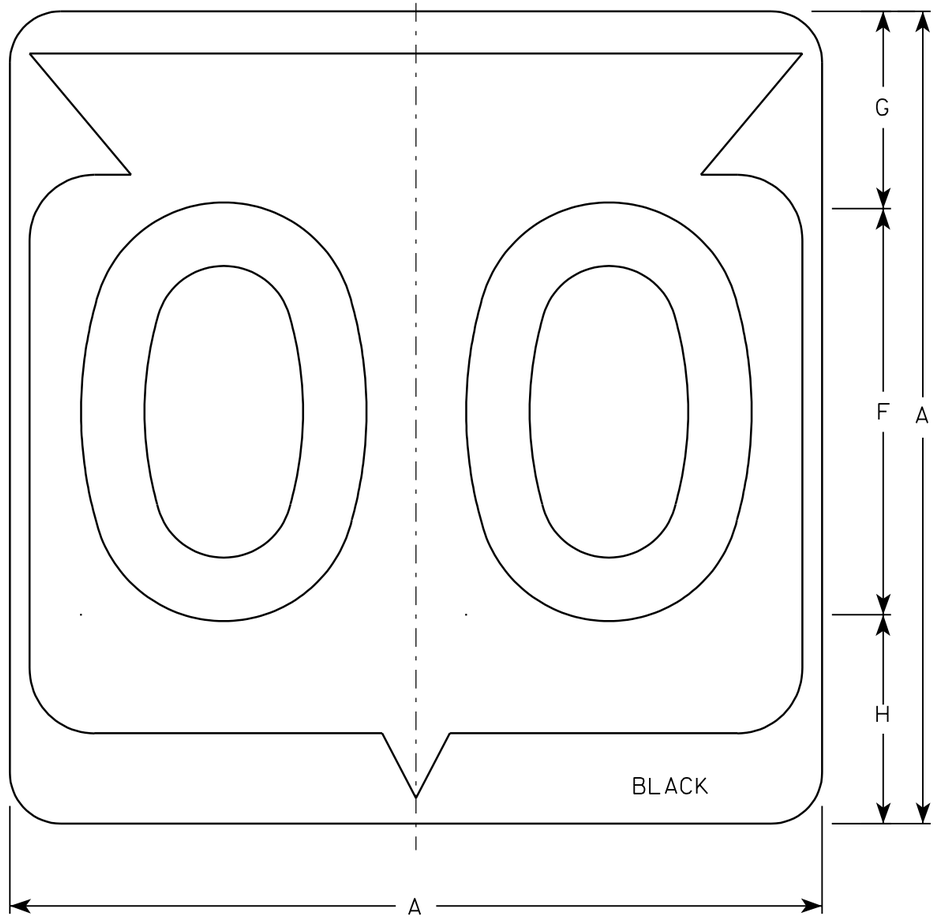
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

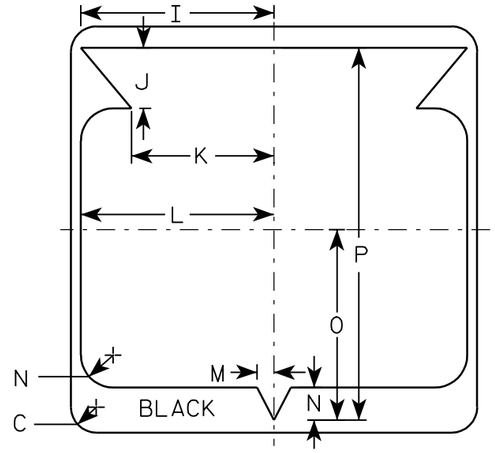
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 76	E



M1-6

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 6
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate Series numerals and adjust spacing as per plate A10-1.
6. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective



Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0	.36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81

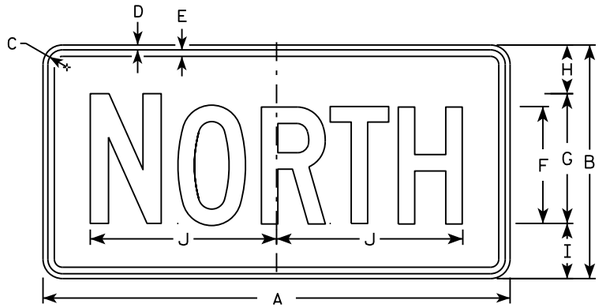
STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

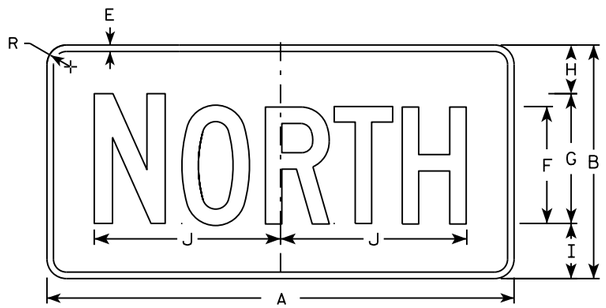
APPROVED Chester J Spang for State Traffic Engineer

DATE 3/20/02 PLATE NO. M1-6.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 77	E



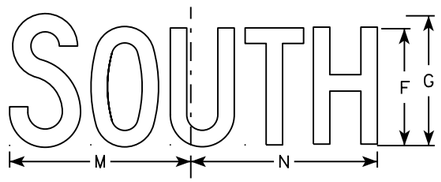
M3-1
MM3-1
MP3-1



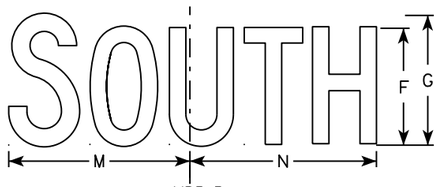
MB3-1
MK3-1
MN3-1

M3-2
MM3-2
MP3-2

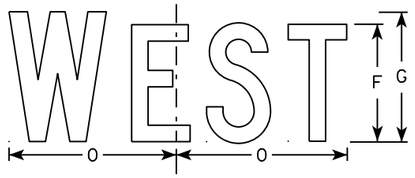
MB3-2
MK3-2
MN3-2



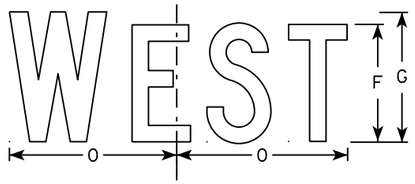
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

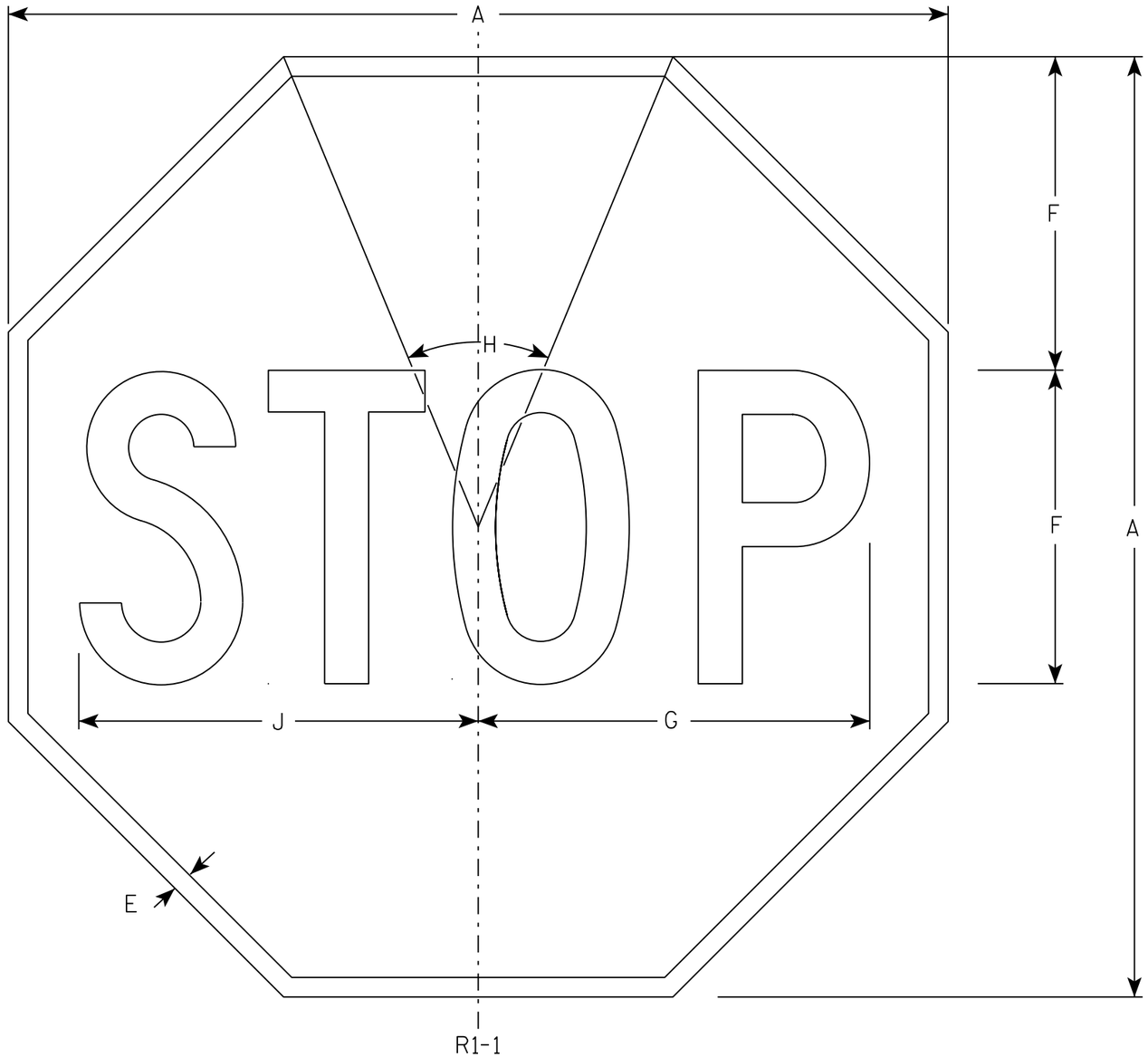
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



R1-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - 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

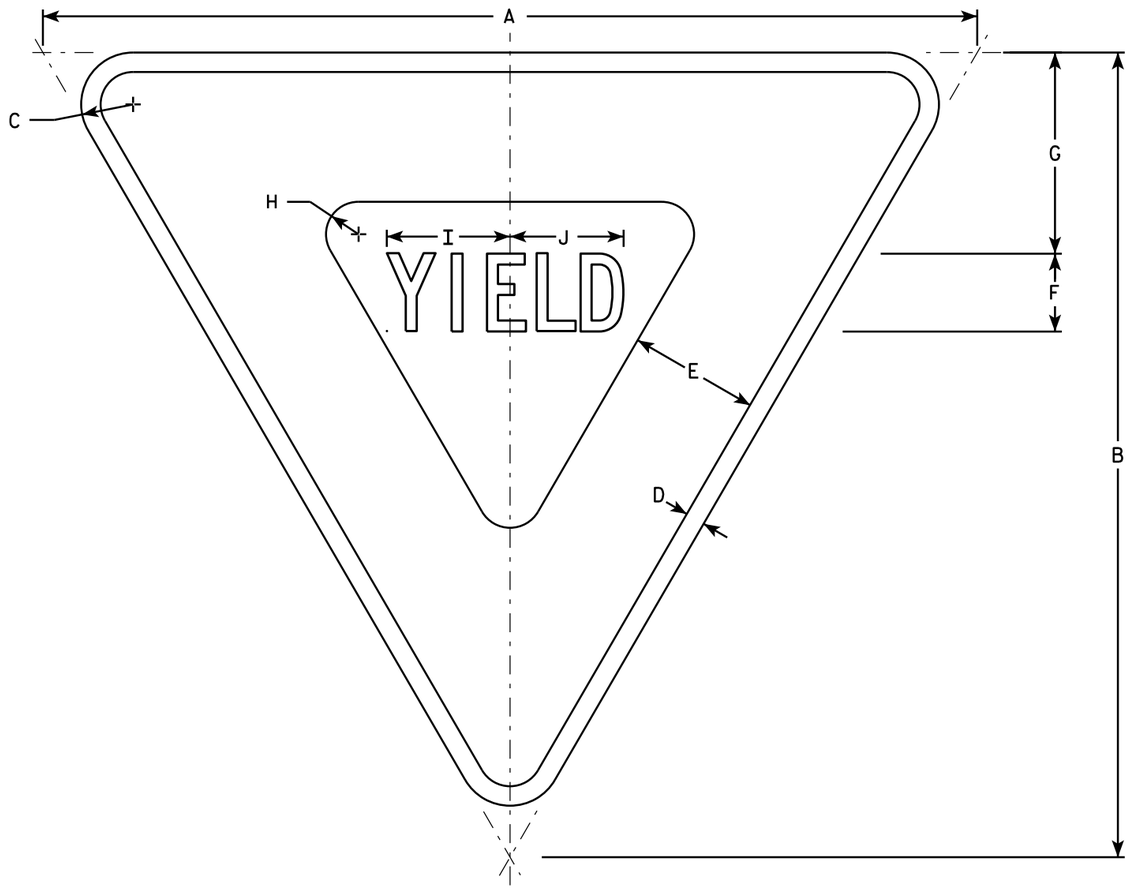
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE 79 R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R11.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.378143:1.000000



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

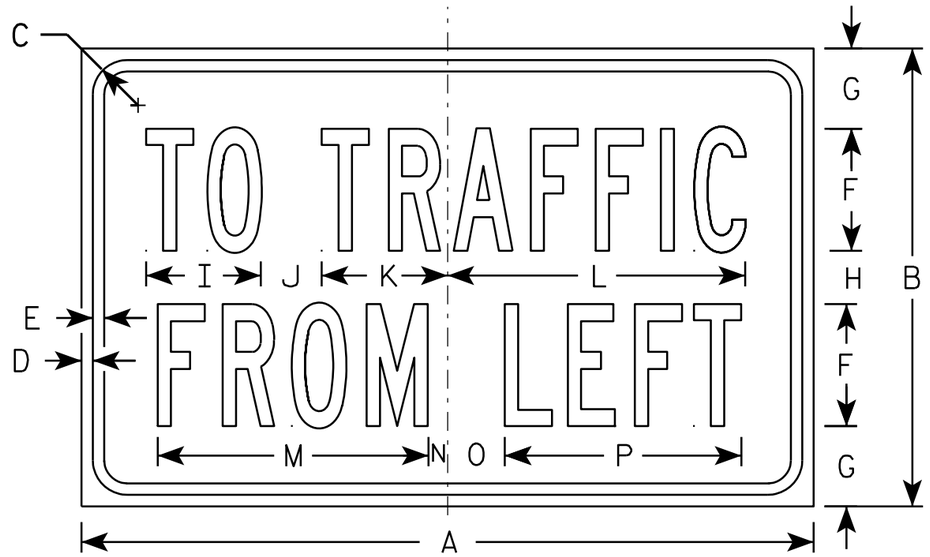
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE R1-2.12

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

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



R1-54

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	15	1 1/8	3/8	3/8	4	2 5/8	1 3/4	3 3/4	2	4 1/8	9 3/4	8 7/8	5/8	1 7/8	7 3/4											2.5
2M	24	15	1 1/8	3/8	3/8	4	2 5/8	1 3/4	3 3/4	2	4 1/8	9 3/4	8 7/8	5/8	1 7/8	7 3/4											2.5
3																											
4																											
5																											

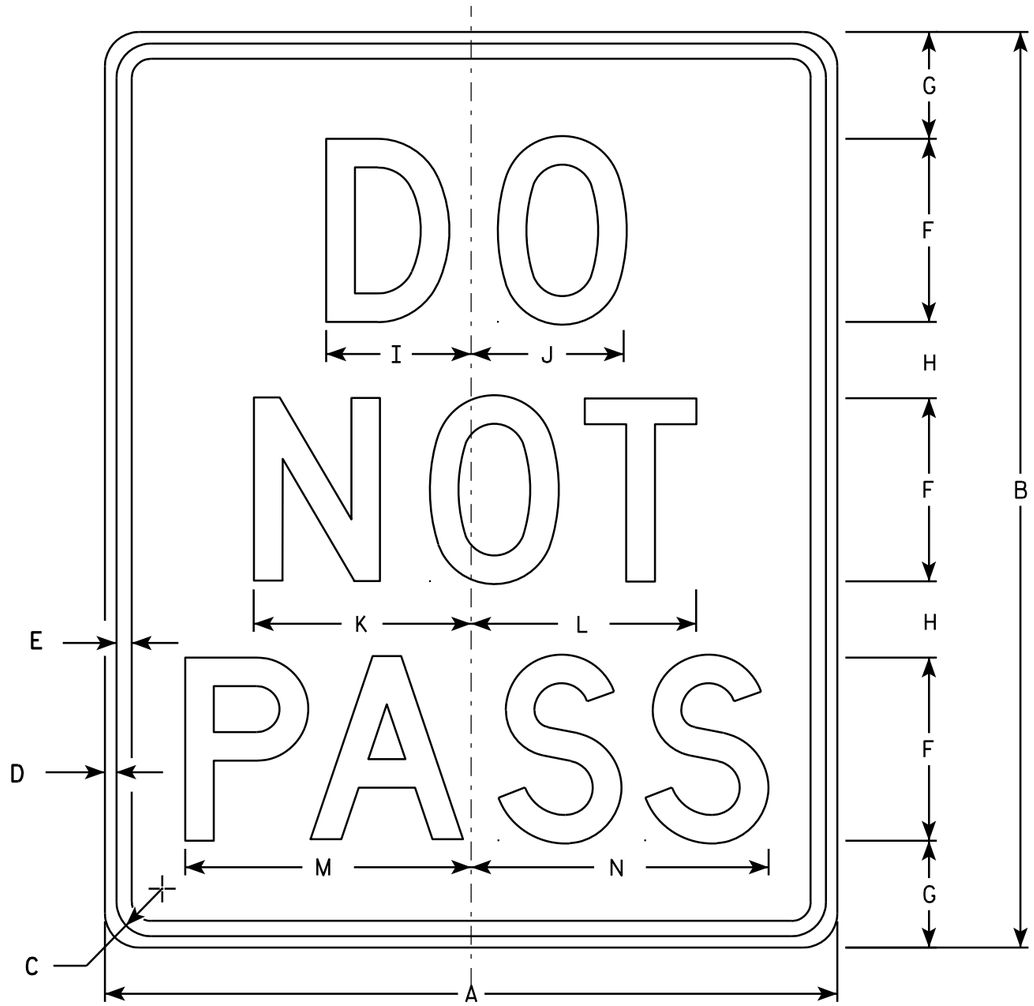
STANDARD SIGN
R1-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-54.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 81	E



R4-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	4	3 1/2	2 1/2	3 1/8	3 1/4	4 3/4	4 7/8	6 1/4	6 1/2													3.0
2S	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
2M	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
3																											
4	36	48	1 5/8	5/8	3/4	8	7	5	6 1/4	6 5/8	9 1/2	9 3/4	12 1/2	13													12.0
5	48	60	2 1/4	3/4	1	10	8	7	7 3/4	8 3/8	11 7/8	12 1/4	15 5/8	16 1/4													20.0

STANDARD SIGN
R4-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-1.7

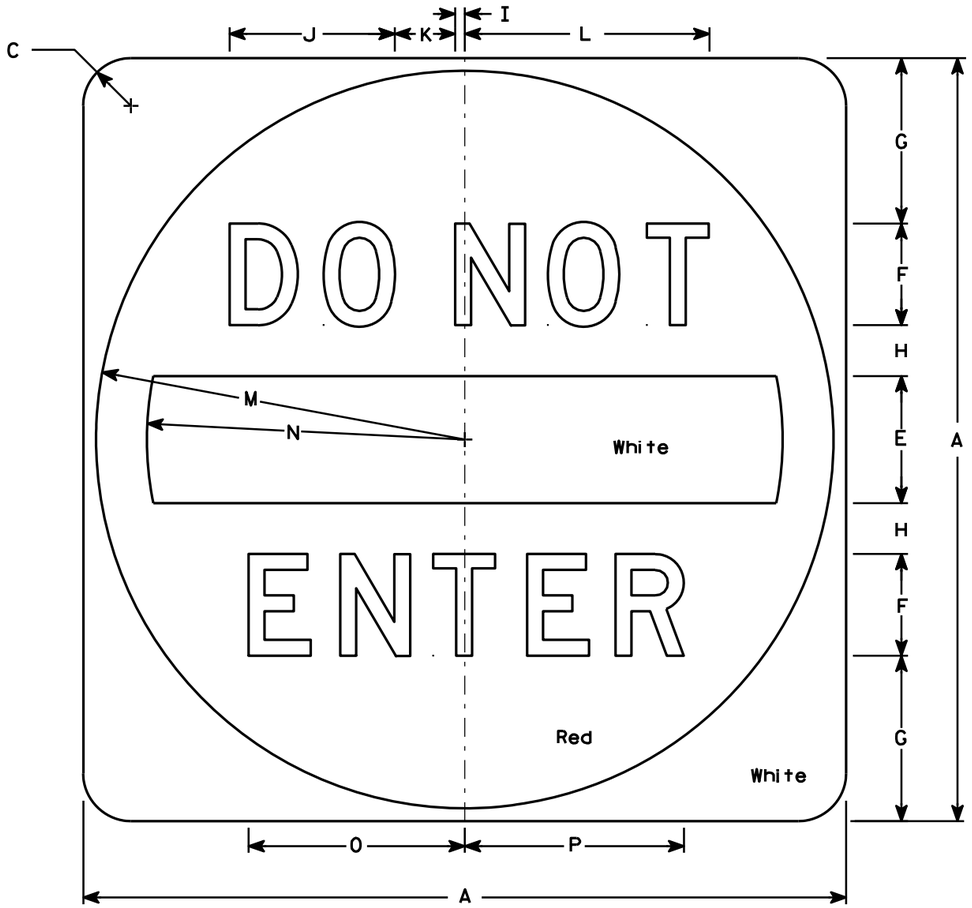
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 82 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R41.DGN PLOT DATE : 25-MAR-2011 13:24 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 4.965868:1.000000

WISDOT/CADDS SHEET 42

7

7



R5-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See detail
   Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.26
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

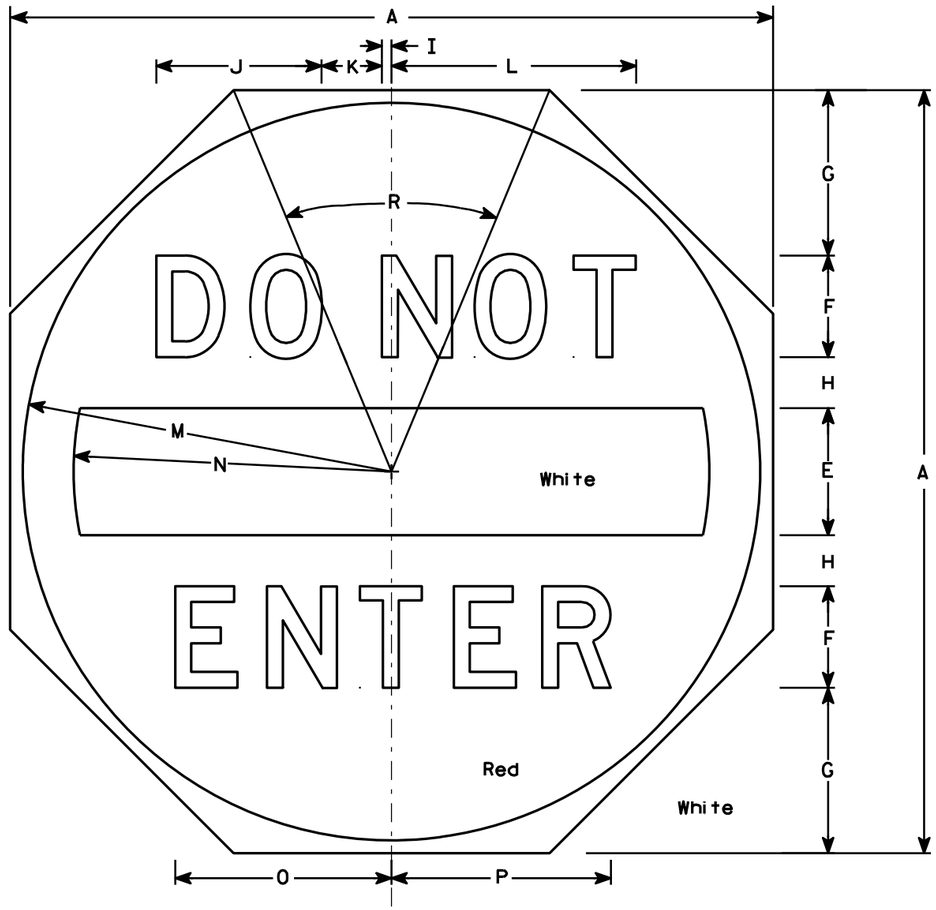
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1.15

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



R5-1C

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See detail
   Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8		45°									5.18
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4		45°									7.46
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4		45°									7.46
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4		45°									13.25
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8		45°									13.25

STANDARD SIGN
R5-1C

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

State Traffic Engineer

DATE 3/23/11 PLATE NO. R5-1C.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 84 | E

R8-8

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/8	3/8	1/2	4	3 5/8	2 1/4	9 1/4	9 5/8	6 5/8	3 5/8	10														5.0
2M	24	30	1 1/8	3/8	1/2	4	3 5/8	2 1/4	9 1/4	9 5/8	6 5/8	3 5/8	10														5.0
3	36	48	1 3/8	1/2	5/8	6	6	4	13 7/8	14 3/8	9 7/8	5 3/8	15														12.0
4	48	60	2 1/4	3/4	1	8	7 1/4	4 1/2	18 1/2	19 1/4	13 1/4	7 1/4	20														20.0
5																											

STANDARD SIGN
R8-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/31/2011 PLATE NO. R8-8.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 85 | E

R9-9

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

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

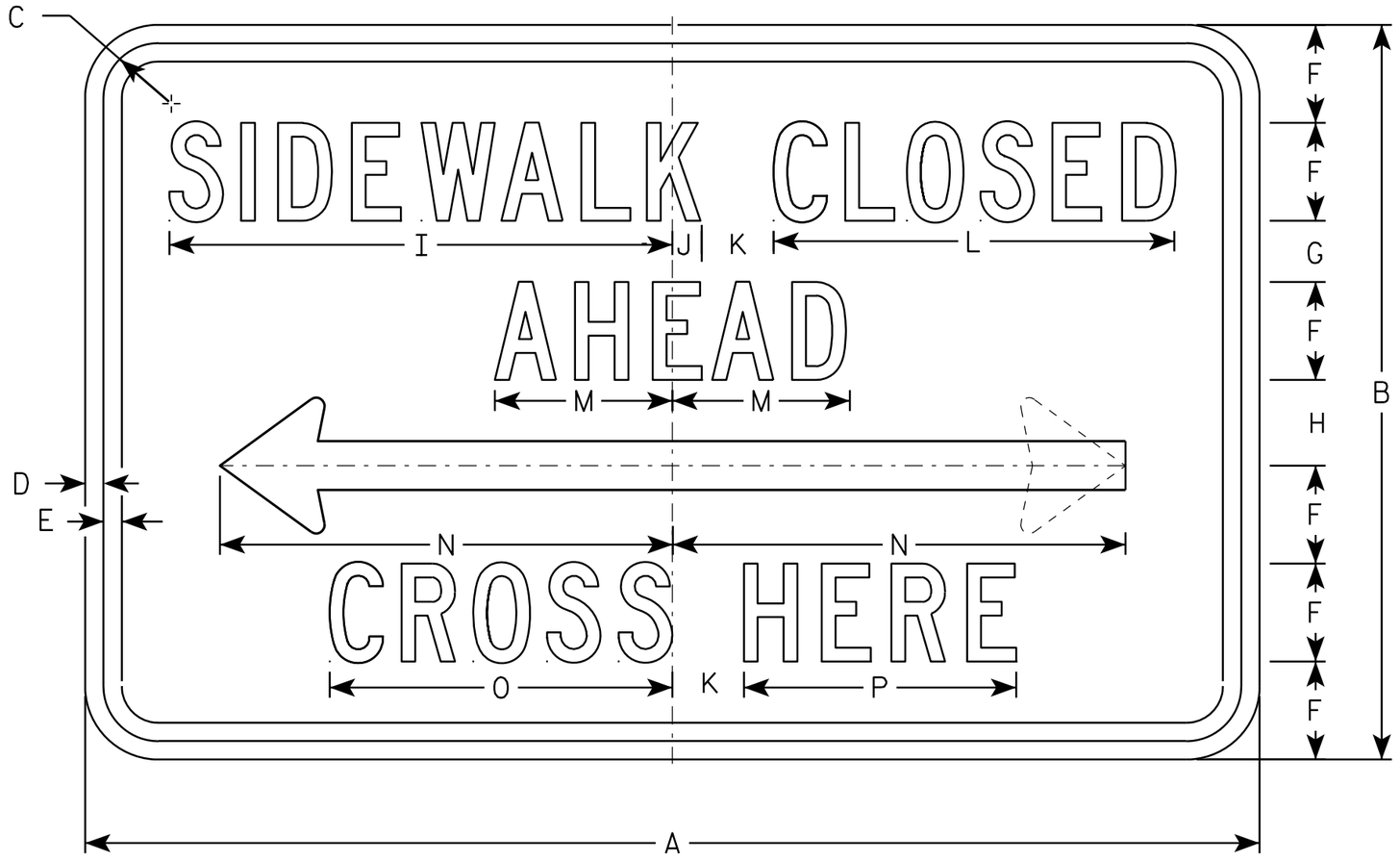
STANDARD SIGN
R9-9

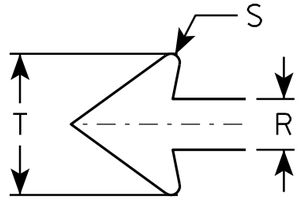
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/2011 PLATE NO. R9-9.5

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 86	E





R9-11

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C 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.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	1 1/8	3/8	3/8	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
2S	48	30	2 3/4	3/4	3/4	4	2 1/2	3 1/2	20 1/2	1 1/4	3	16 3/8	7 1/4	18 1/2	14	11 1/8		2	3/8	5 1/2							10.0
2M	48	30	2 3/4	3/4	3/4	4	2 1/2	3 1/2	20 1/2	1 1/4	3	16 3/8	7 1/4	18 1/2	14	11 1/8		2	3/8	5 1/2							10.0
3																											
4																											
5																											

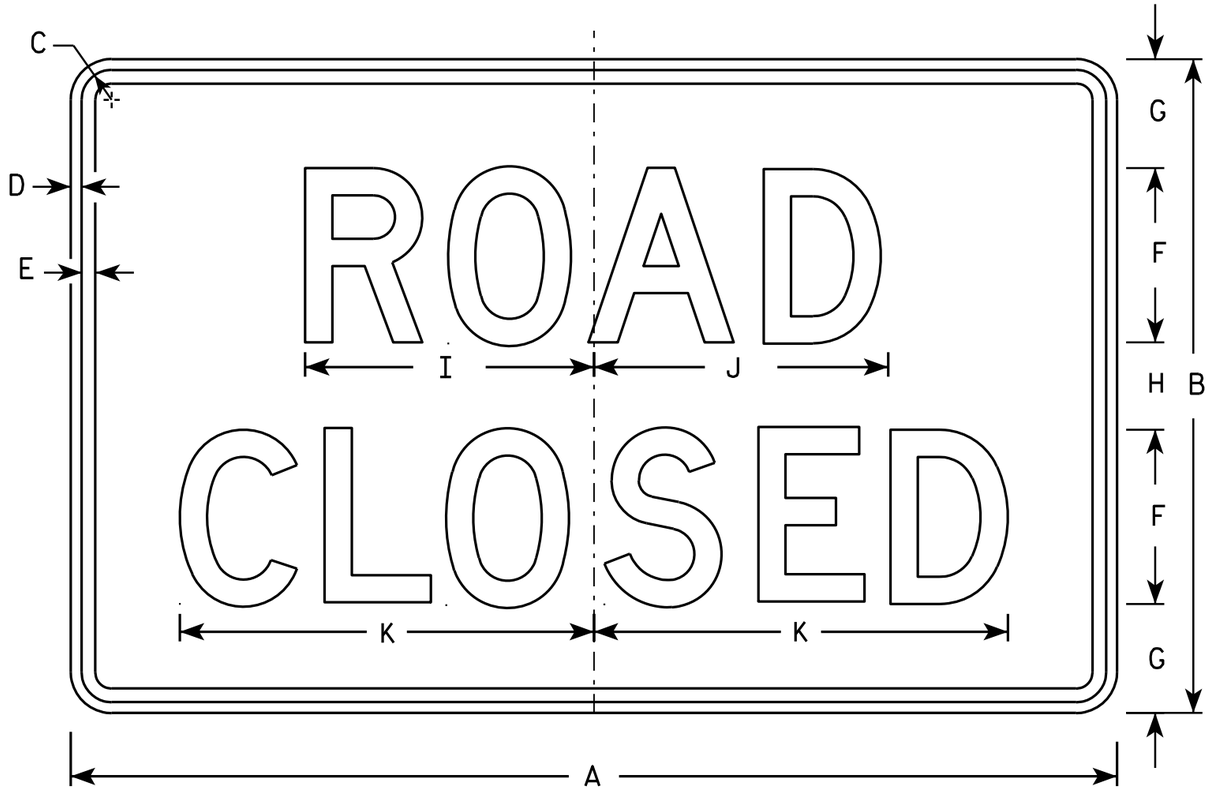
STANDARD SIGN
R9-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
State Traffic Engineer
for

DATE 8/17/2012 PLATE NO. R9-11.2

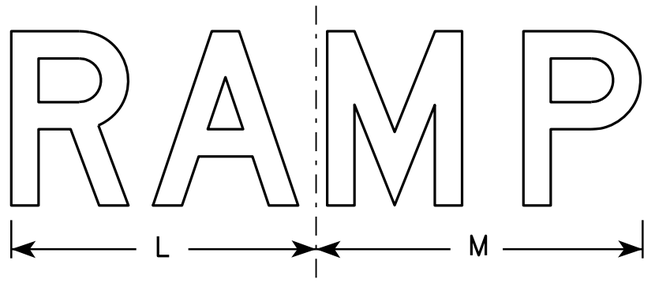
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 87	E



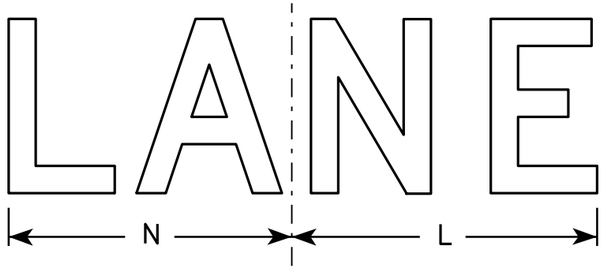
R11-2

NOTES

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



R11-2R



R11-2L

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

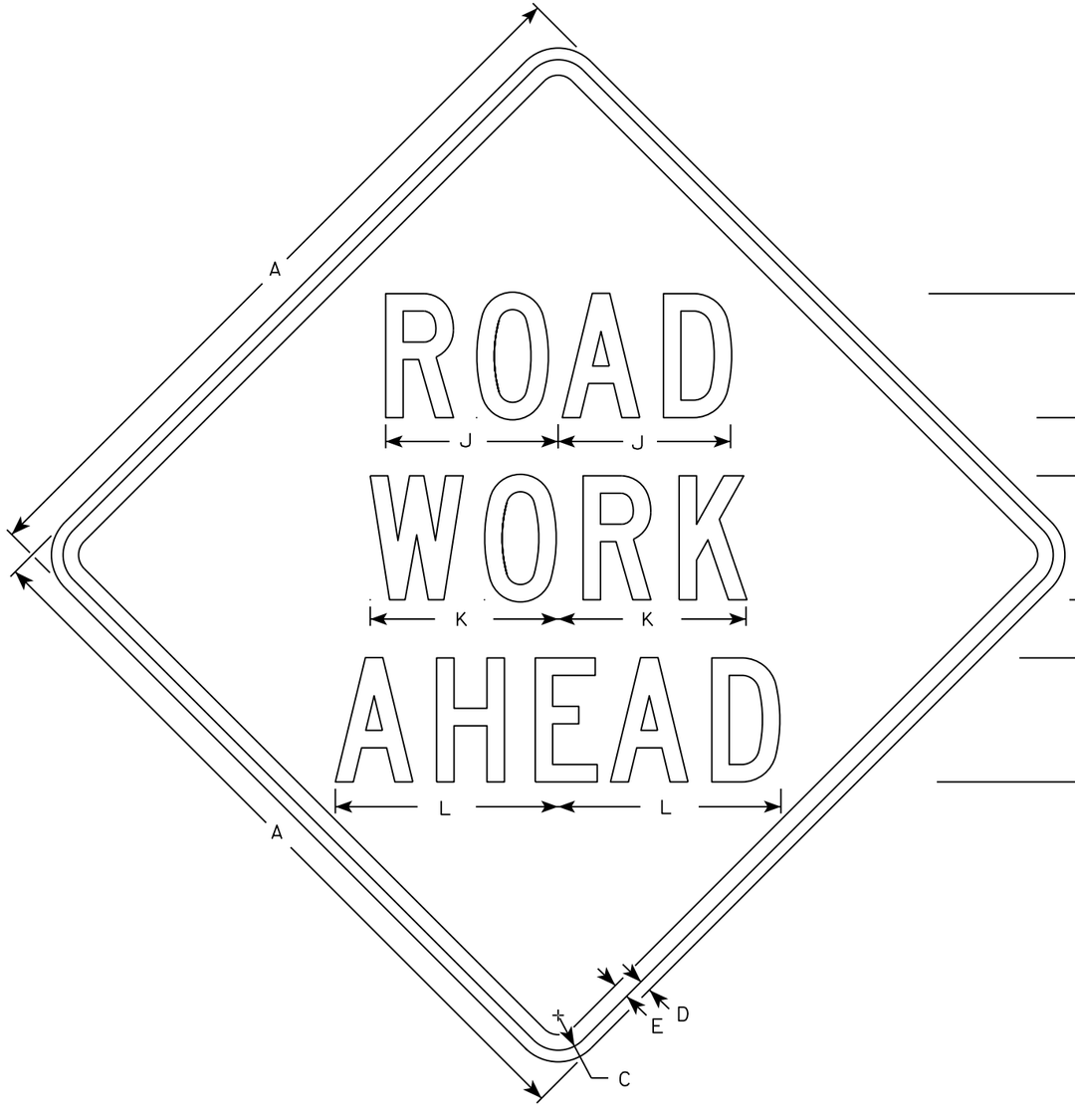
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

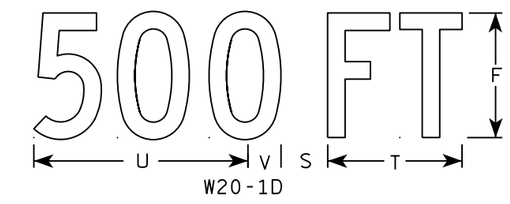
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

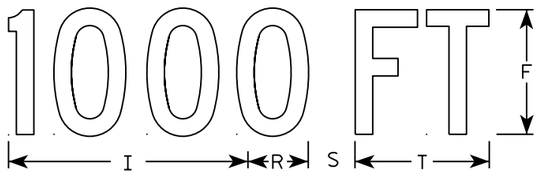
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 88	E



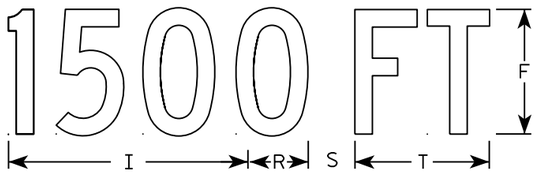
W20-1A



W20-1D

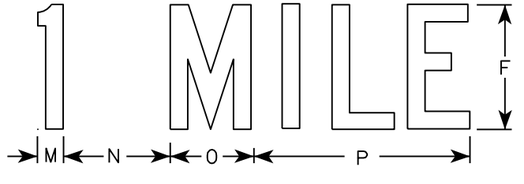


W20-1C

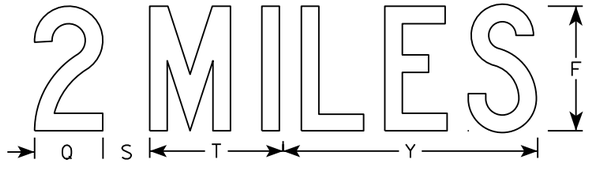


W20-1B

W20-1G



W20-1F



W20-1E

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 3/8	1/2	5/8	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9		2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

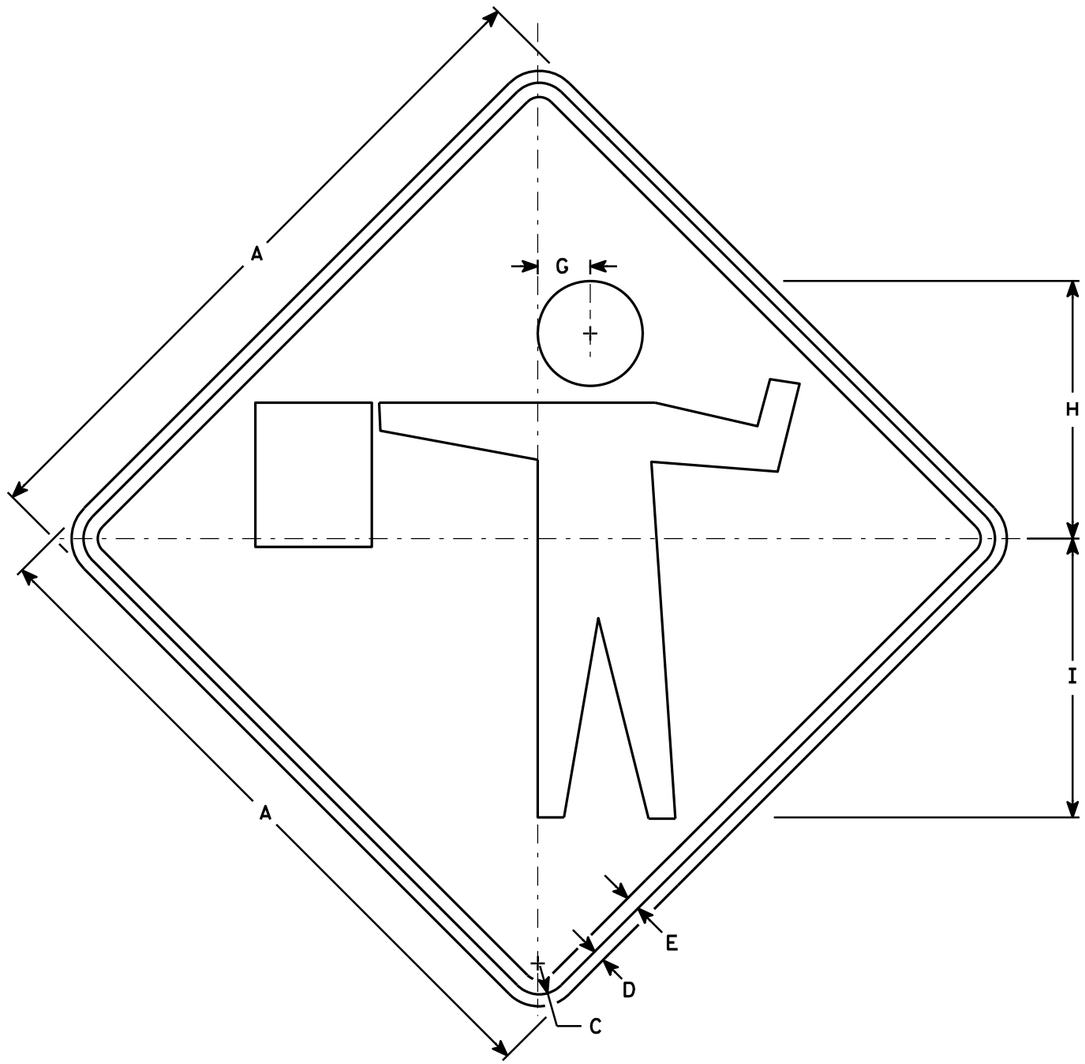
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/07/15 PLATE NO. W20-1.10

PROJECT NO:

SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 01-DEC-2015 18:24 PLOT BY : $$ plotuser $$



W20-7A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		2 3/4	13 1/2	14 5/8																		9.00
2S	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00
2M	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00
3	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00
4	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00
5	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00

STANDARD SIGN
W20-7A

WISCONSIN DEPT OF TRANSPORTATION

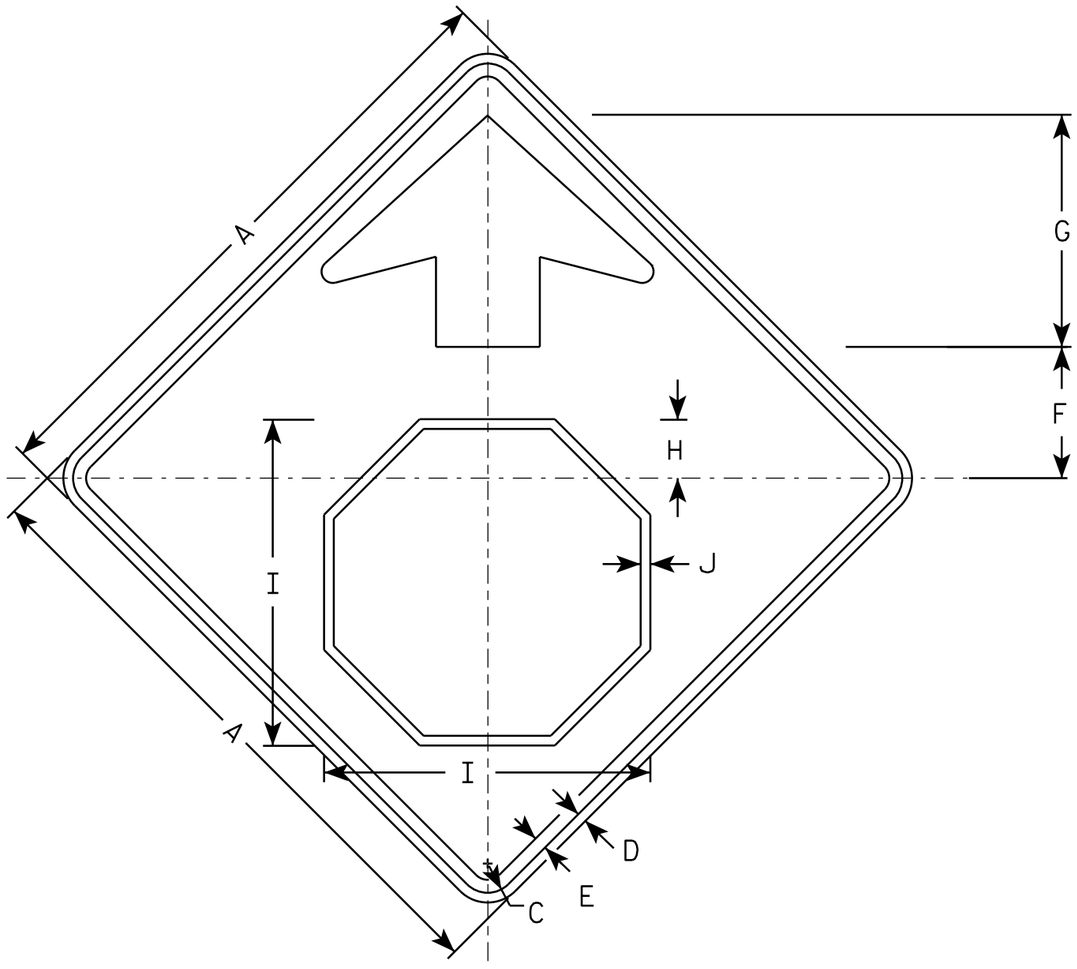
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-7A.5

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

7

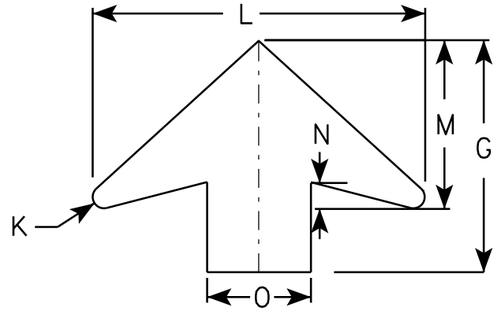
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W207A.DGN PLOT DATE : 18-MAR-2011 13:14 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 7.945391:1.000000 WISDOT/CADDS SHEET 42



W03-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - ORANGE
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2S	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
2M	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
3	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W03-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

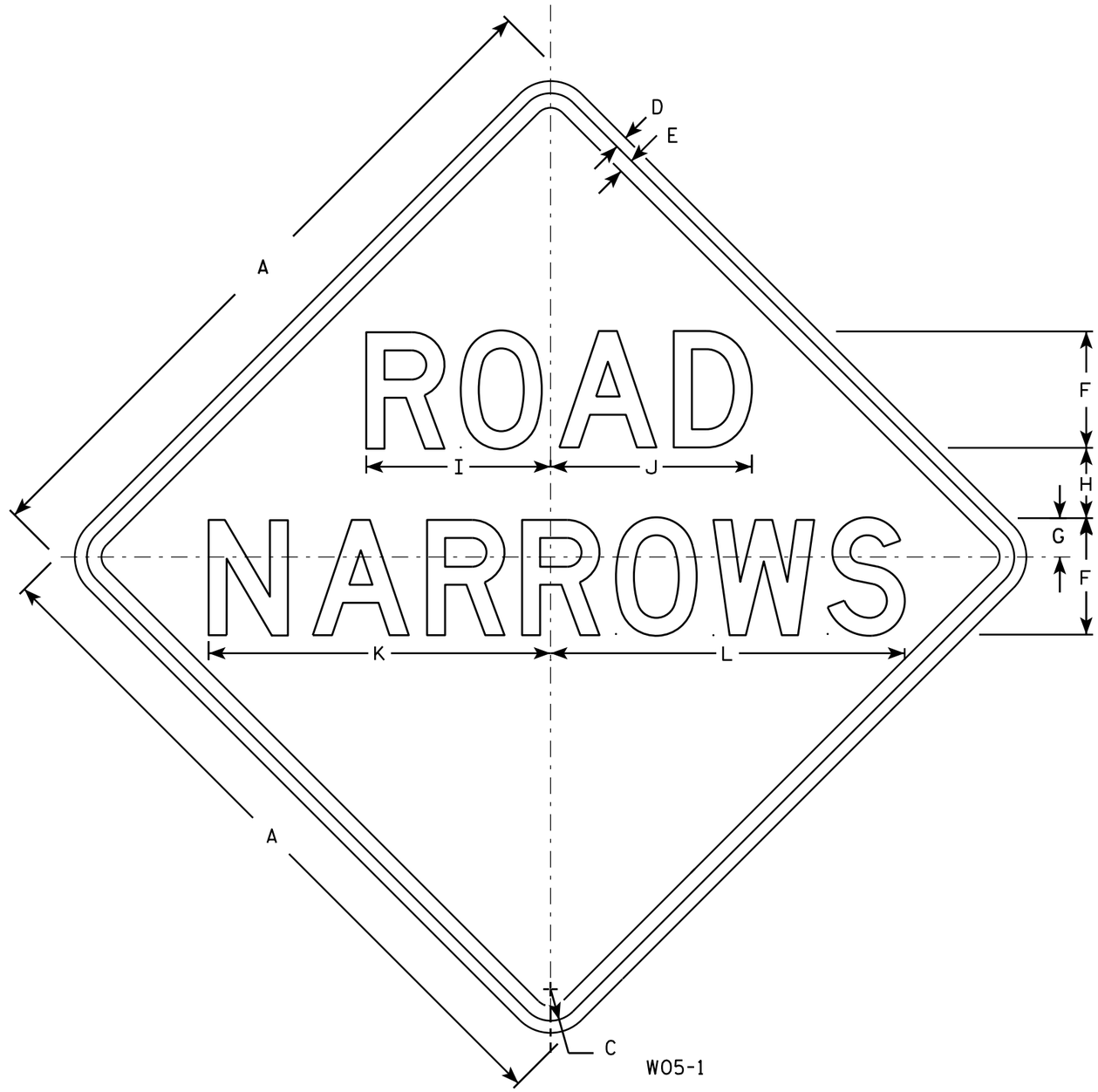
DATE 11/20/13 PLATE 91 03-1.1

PROJECT NO:

SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W031.DGN PLOT DATE : 20-NOV-2013 10:54 PLOT BY : mscsja

WISDOT/CADDS SHEET 42



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	2	3 1/2	9 1/2	10 3/8	17 5/8	18 1/4															9.0
2S	48		2 1/4	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
2M	48		2 1/4	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
3	48		2 1/4	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
4	48		2 1/4	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
5	48		2 1/4	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0

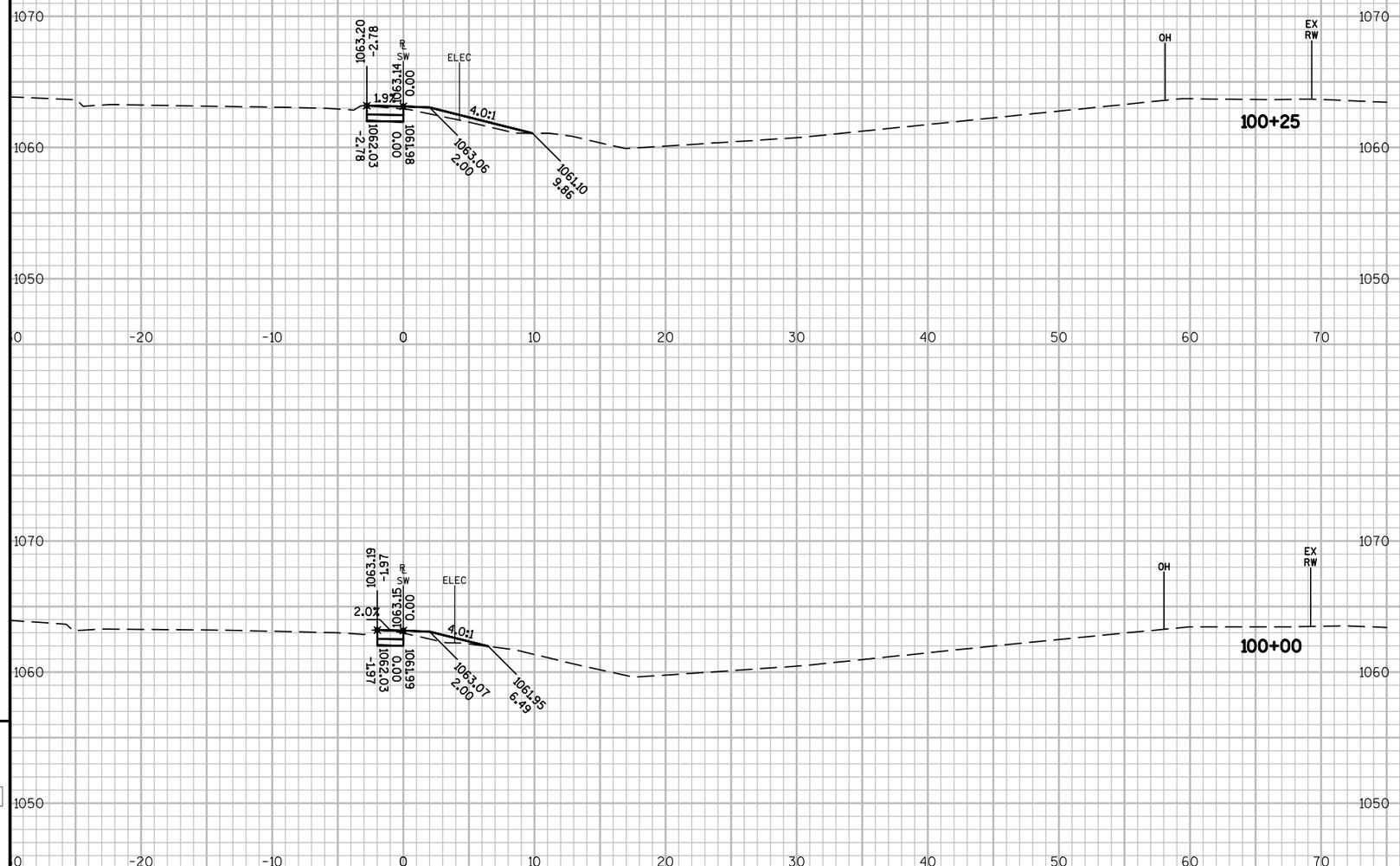
STANDARD SIGN
W05-1

WISCONSIN DEPT OF TRANSPORTATION

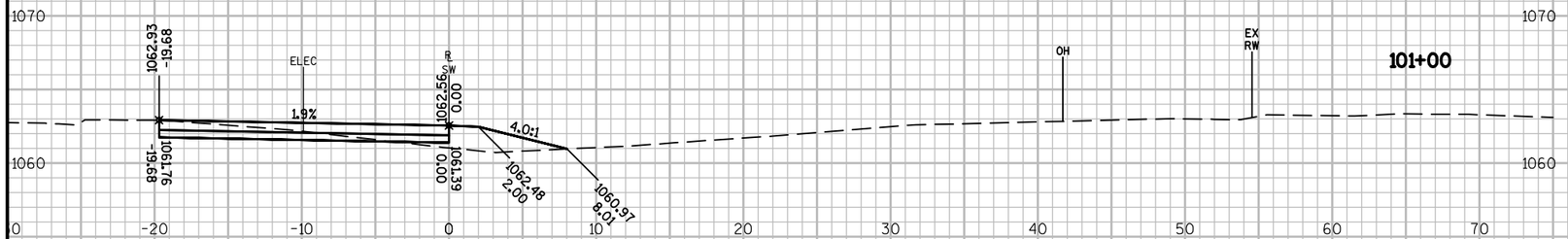
APPROVED Matthew R Rauch
for State Traffic Engineer

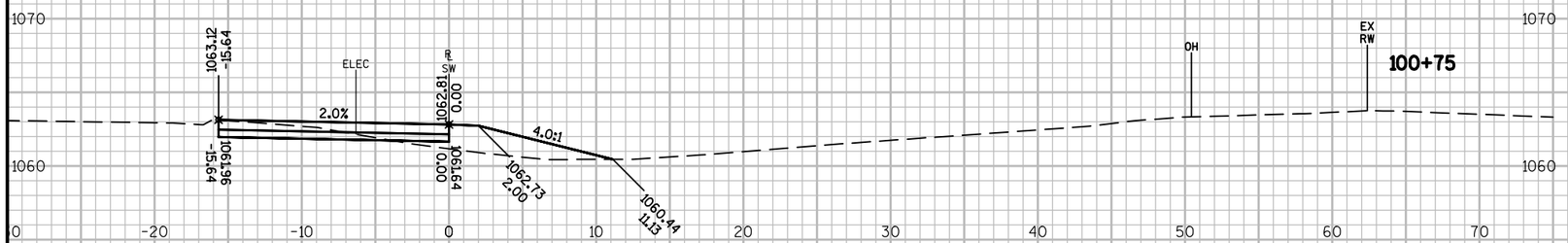
DATE 11/20/13 PLATE No. W05-1.1

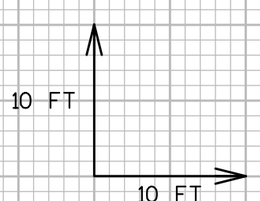
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



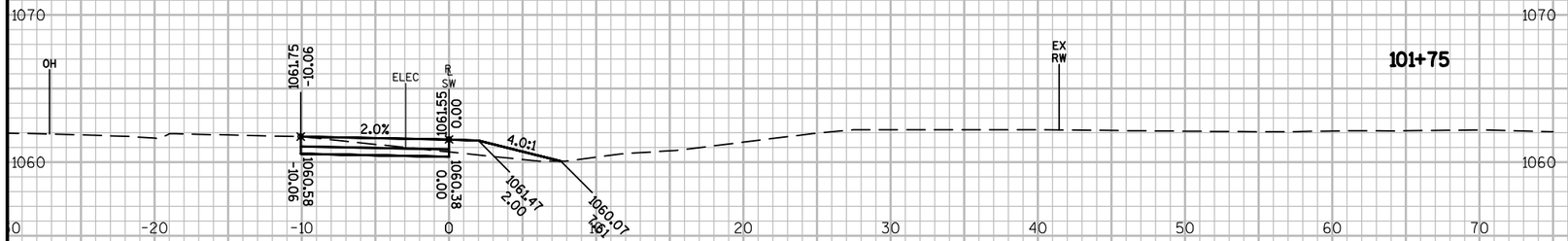
PROJECT NO: 1000-08-89	HWY: USH 63-STH 46-STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: SW CURB	SHEET 93	E

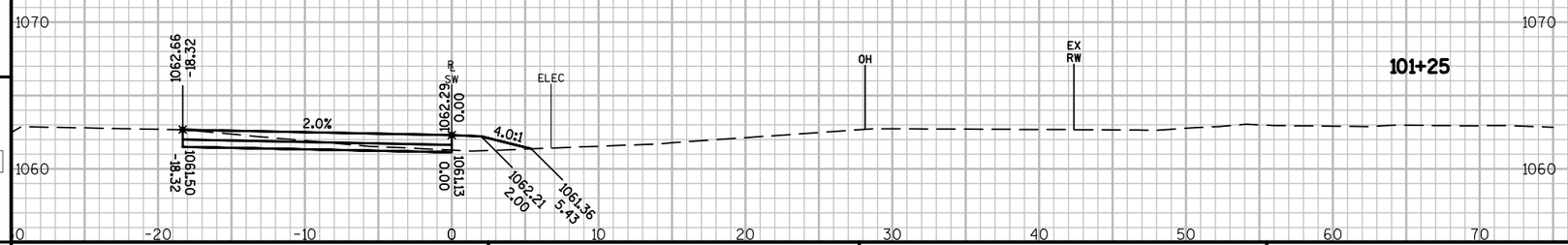


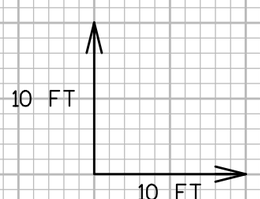




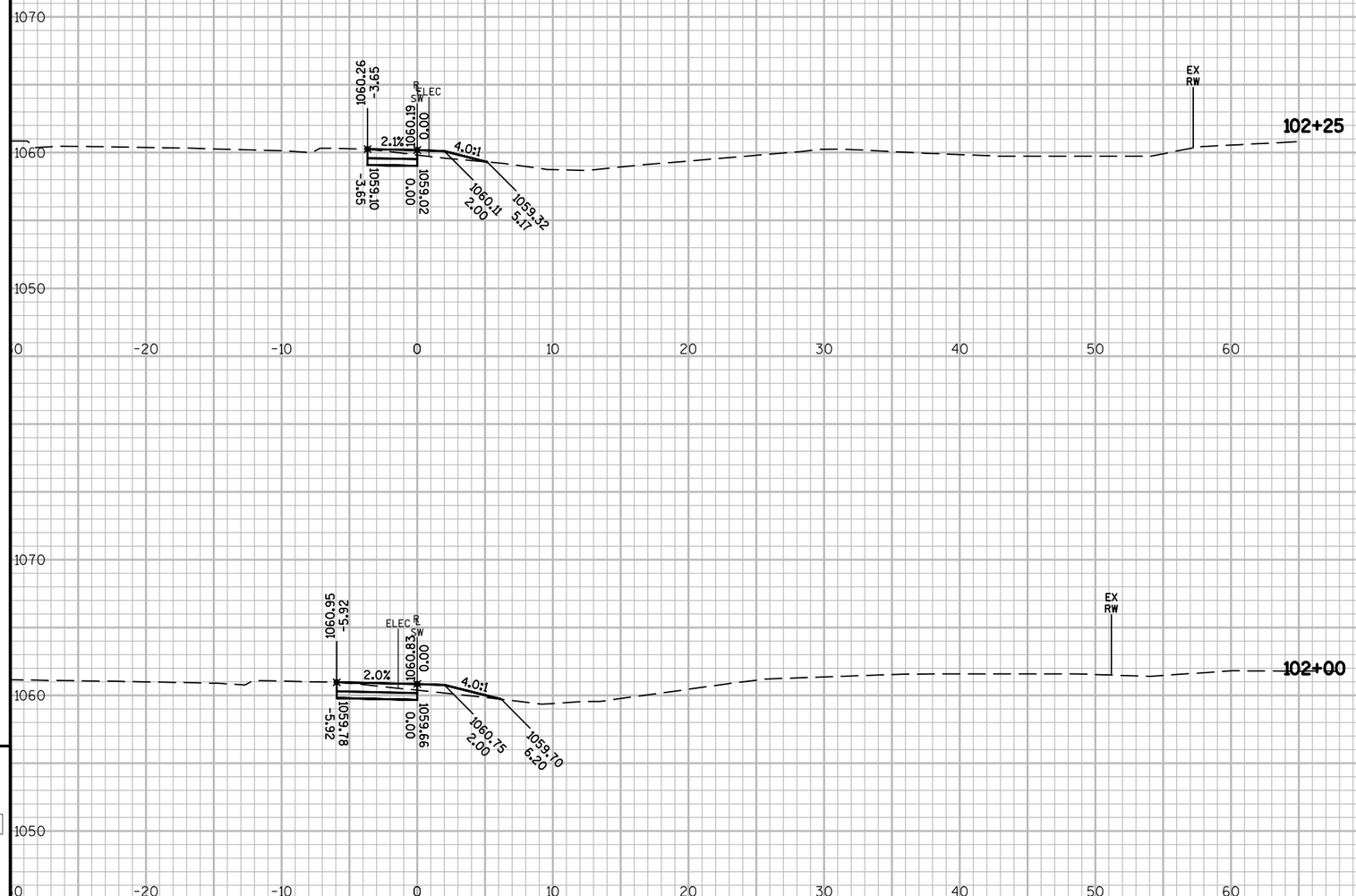
PROJECT NO: 1000-08-89	HWY: USH 63-STH 46-STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: SW CURB	SHEET 94	E







PROJECT NO: 1000-08-89	HWY: USH 63-STH 46-STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: SW CURB	SHEET 95	E

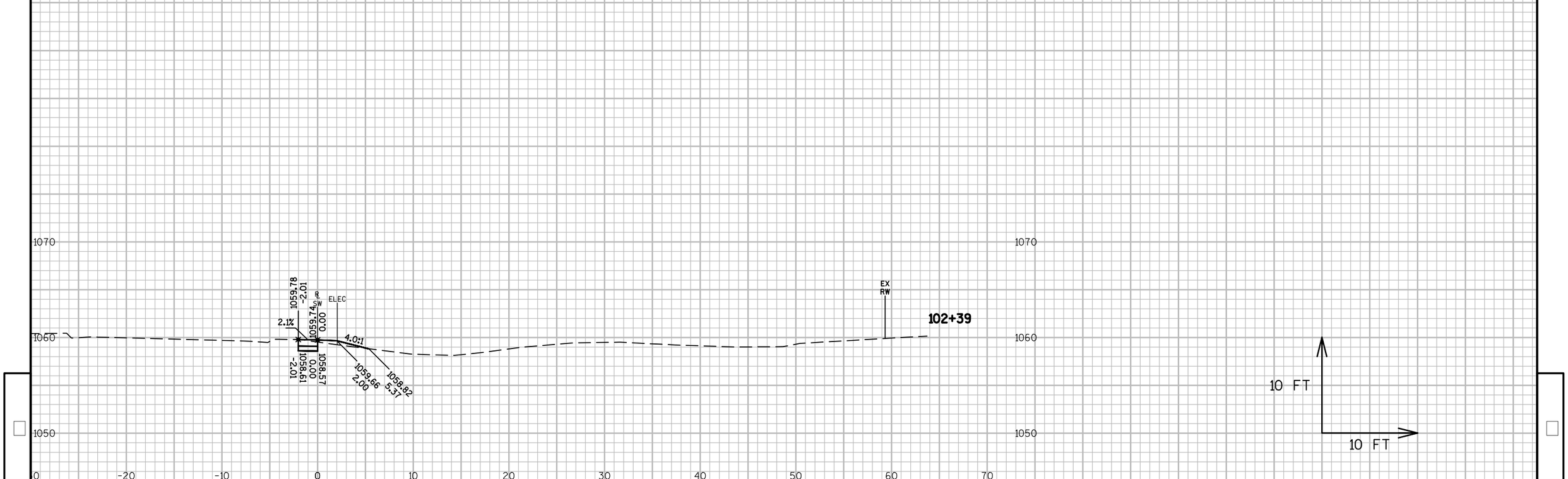


PROJECT NO: 1000-08-89	HWY: USH 63-STH 46-STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: SW CURB	SHEET 96	E

FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809-USH63_STH4664\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090204-XS

PLOT DATE : 12/23/2015 2:55 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT

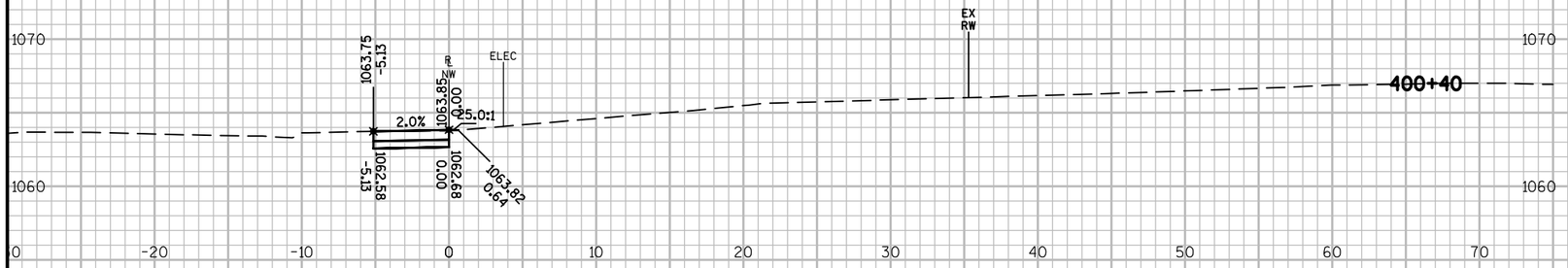
WISDOT/CADDS SHEET 49

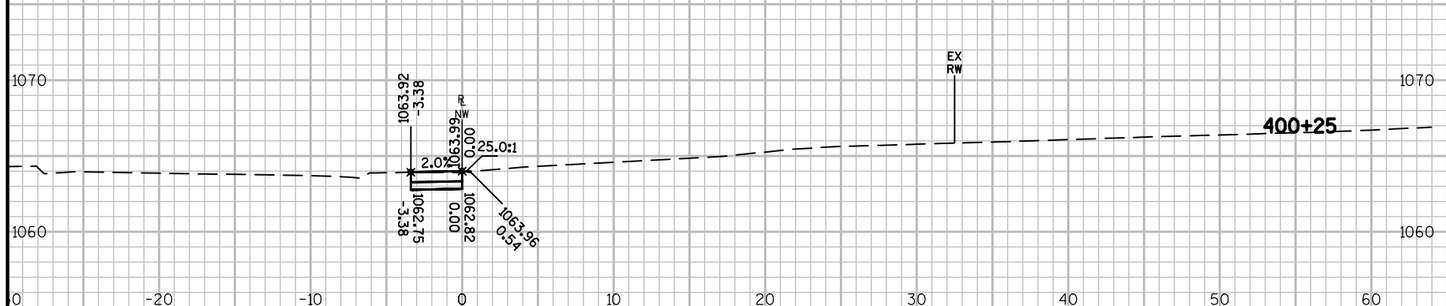


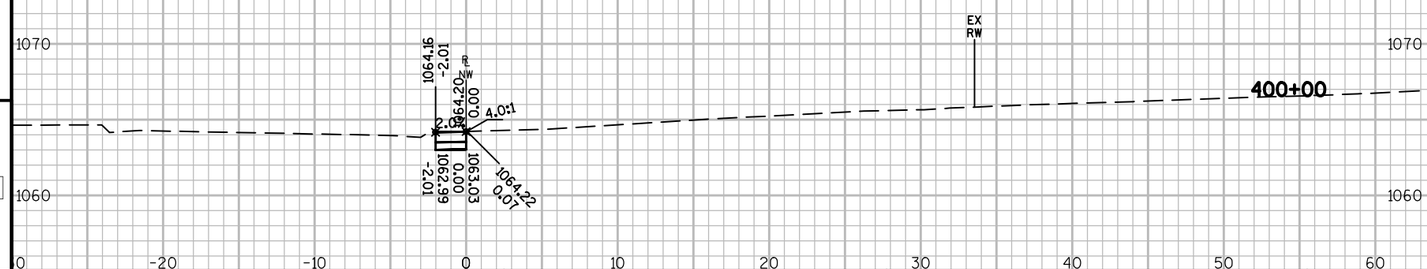
PROJECT NO: 1000-08-89	HWY: USH 63-STH 46-STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: SW CURB	SHEET 97	E

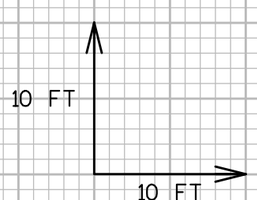
FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809-USH63_STH4664\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090205-XS

PLOT DATE : 12/23/2015 2:55 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT





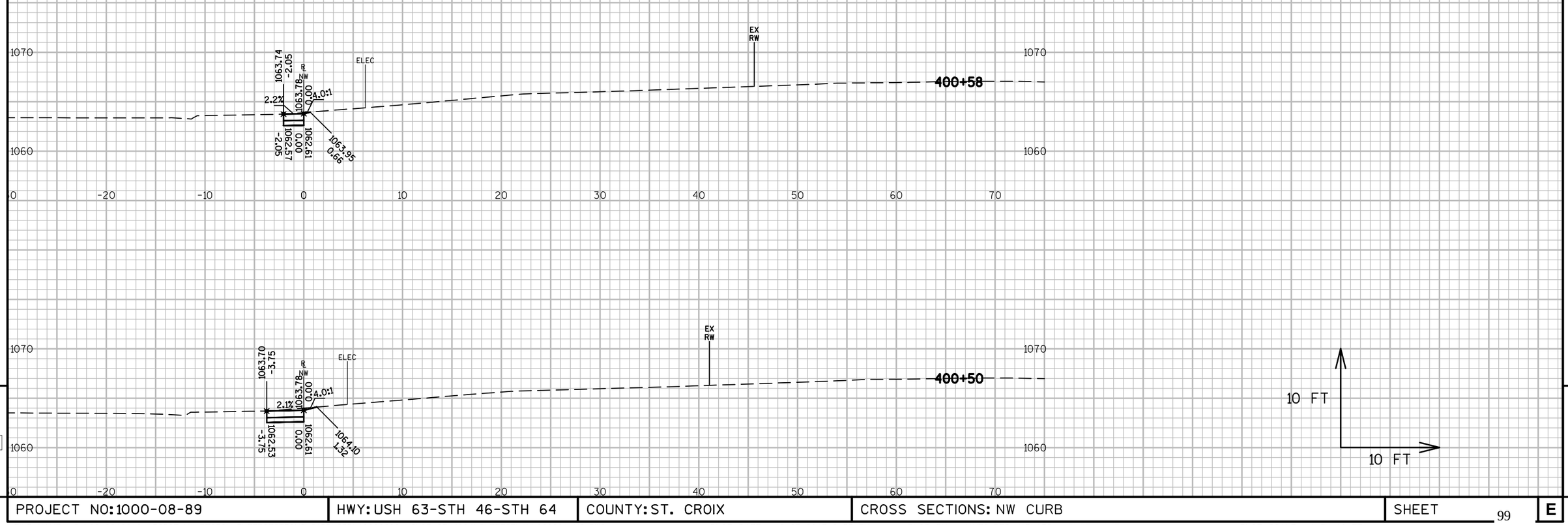




PROJECT NO: 1000-08-89	HWY: USH 63-STH 46-STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: NW CURB	SHEET 98	E

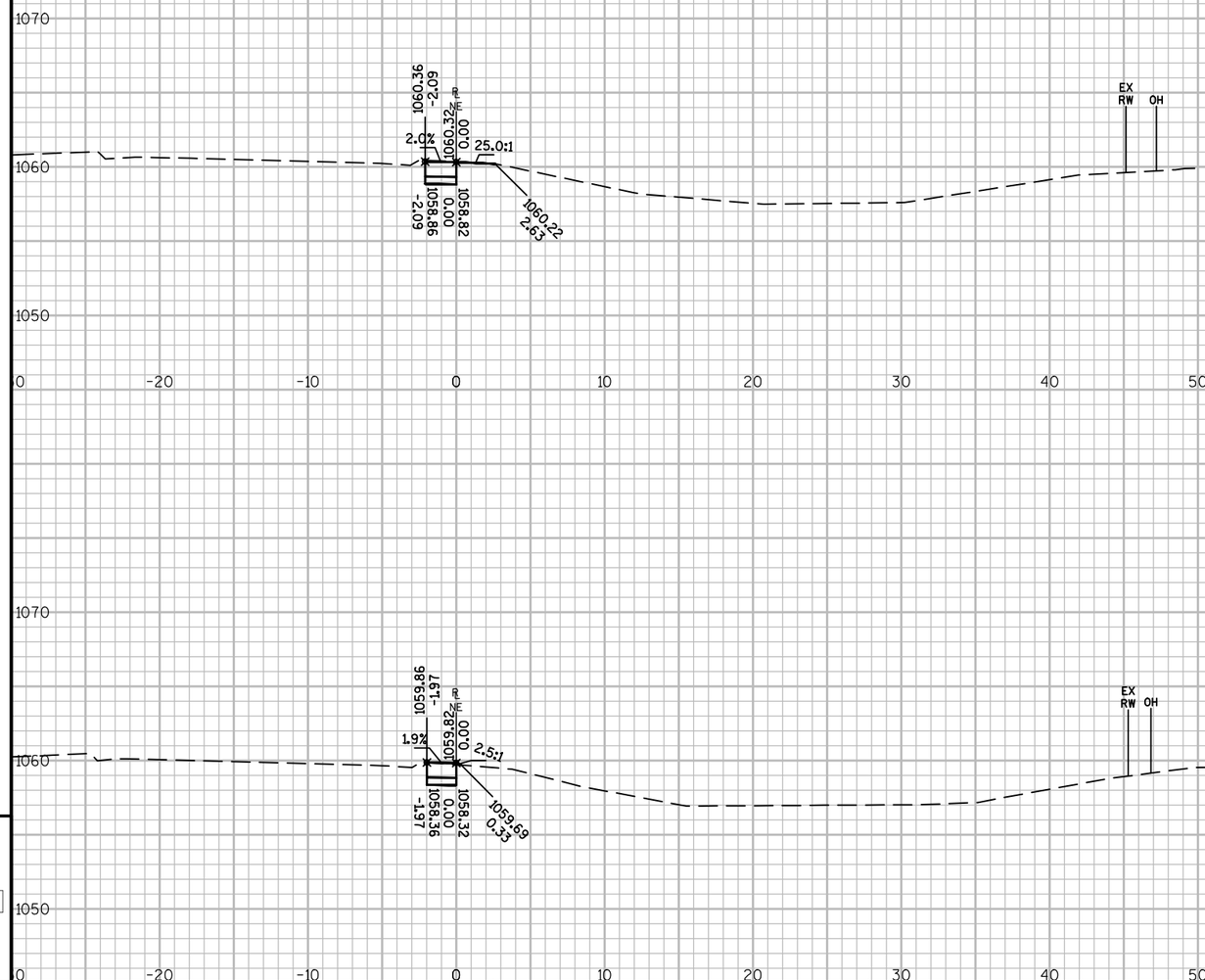
FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809-USH63_STH4664\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090210-XS

PLOT DATE : 12/23/2015 2:55 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT



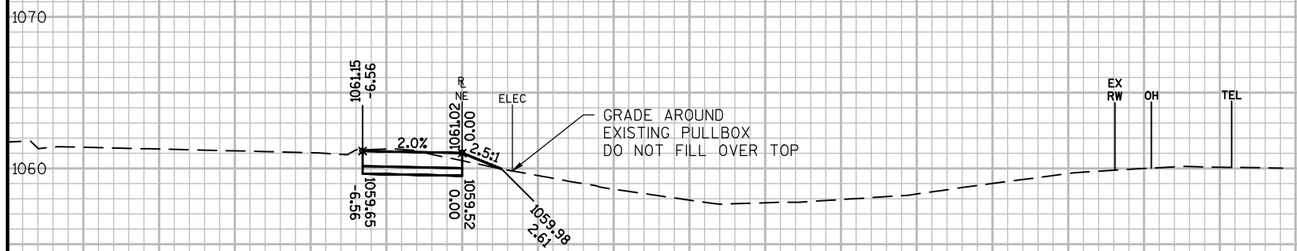
PROJECT NO: 1000-08-89	HWY: USH 63-STH 46-STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: NW CURB	SHEET 99	E

FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809-USH63_STH4664\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090211-XS
PLOT DATE : 12/23/2015 2:55 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT



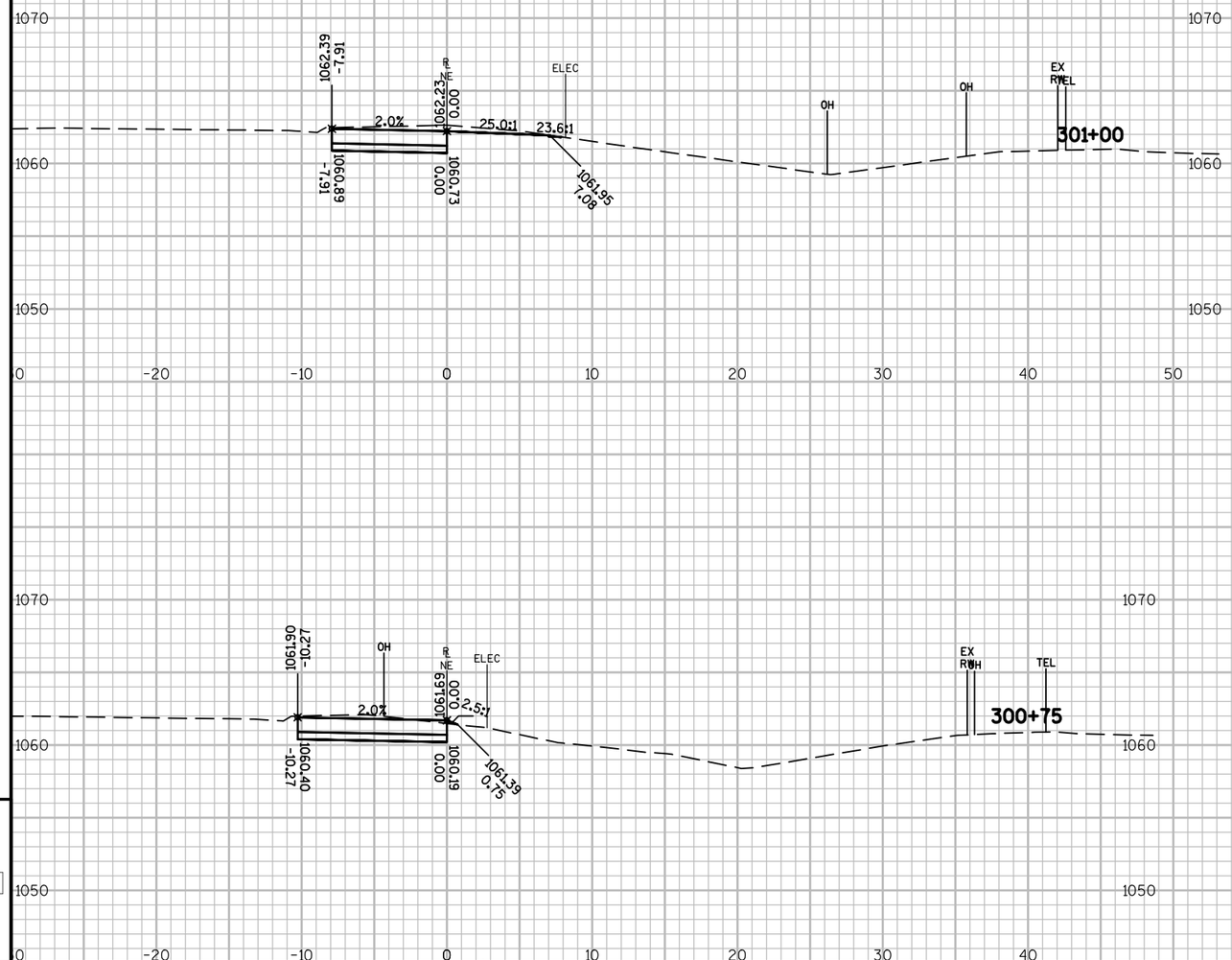
PROJECT NO:1000-08-89	HWY:USH 63-STH 46-STH 64	COUNTY:ST. CROIX	CROSS SECTIONS:NE CURB	SHEET 100	E

FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809-USH63_STH4664\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090206-XS
PLOT DATE : 12/23/2015 2:55 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT

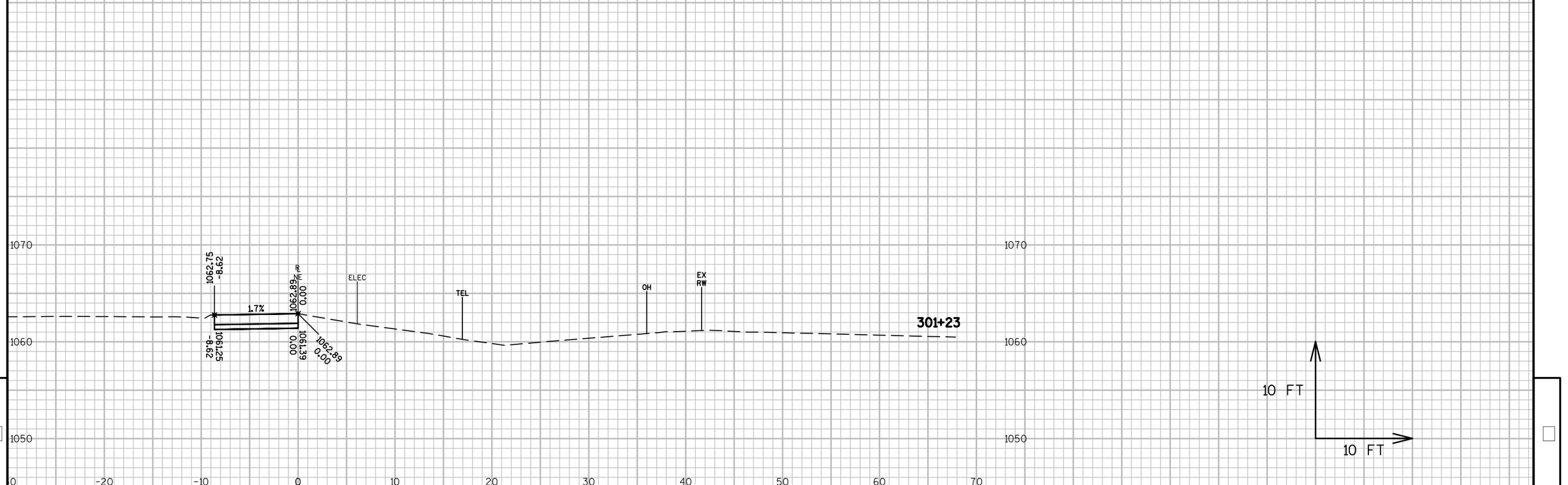


PROJECT NO: 1000-08-89	HWY: USH 63-STH 46-STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: NE CURB	SHEET 101	E

FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809-USH63_STH4664\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090207-XS
PLOT DATE : 12/23/2015 2:55 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT

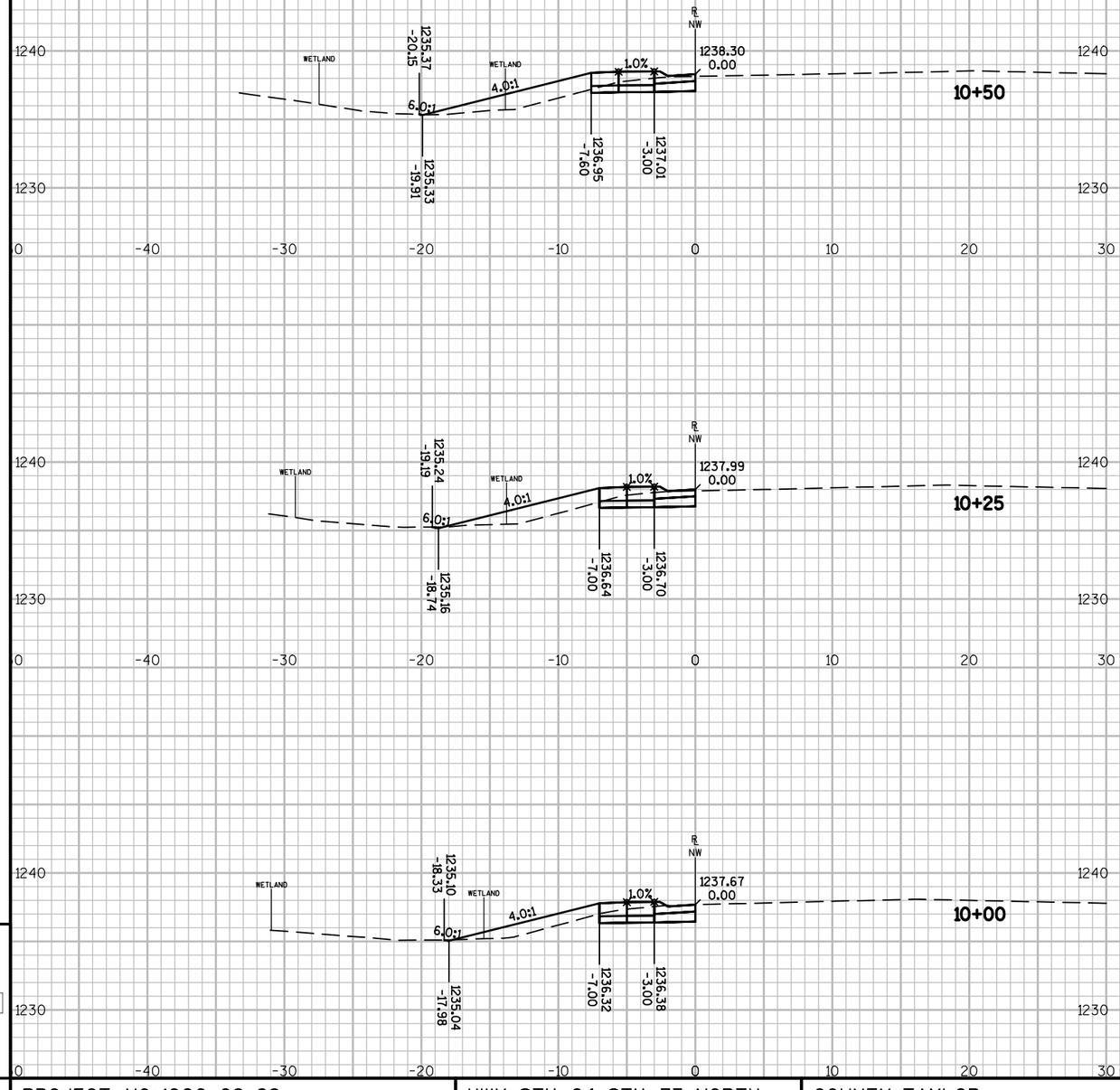


PROJECT NO: 1000-08-89	HWY: USH 63-STH 46-STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: NE CURB	SHEET 102	E



PROJECT NO: 1000-08-89	HWY: USH 63-STH 46-STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: NE CURB	SHEET 103	E

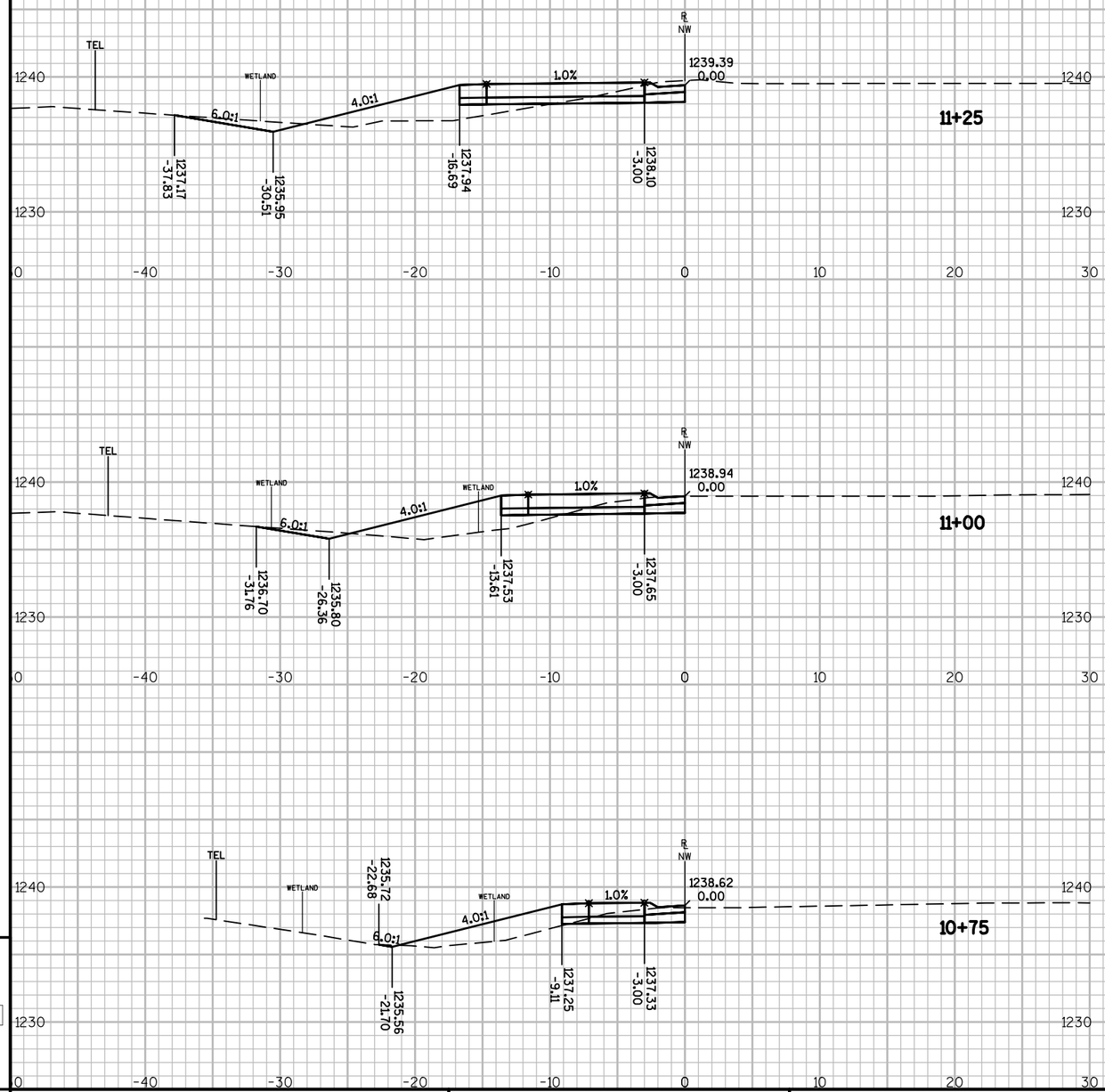
FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809-USH63_STH4664\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090209-XS
PLOT DATE : 12/23/2015 2:55 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 1000-08-89	HWY: STH 64-STH 73-NORTH	COUNTY: TAYLOR	CROSS SECTIONS: NW TRUCK PAD	SHEET 104	E

FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809 - STH64_STH73 N\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090201-XS

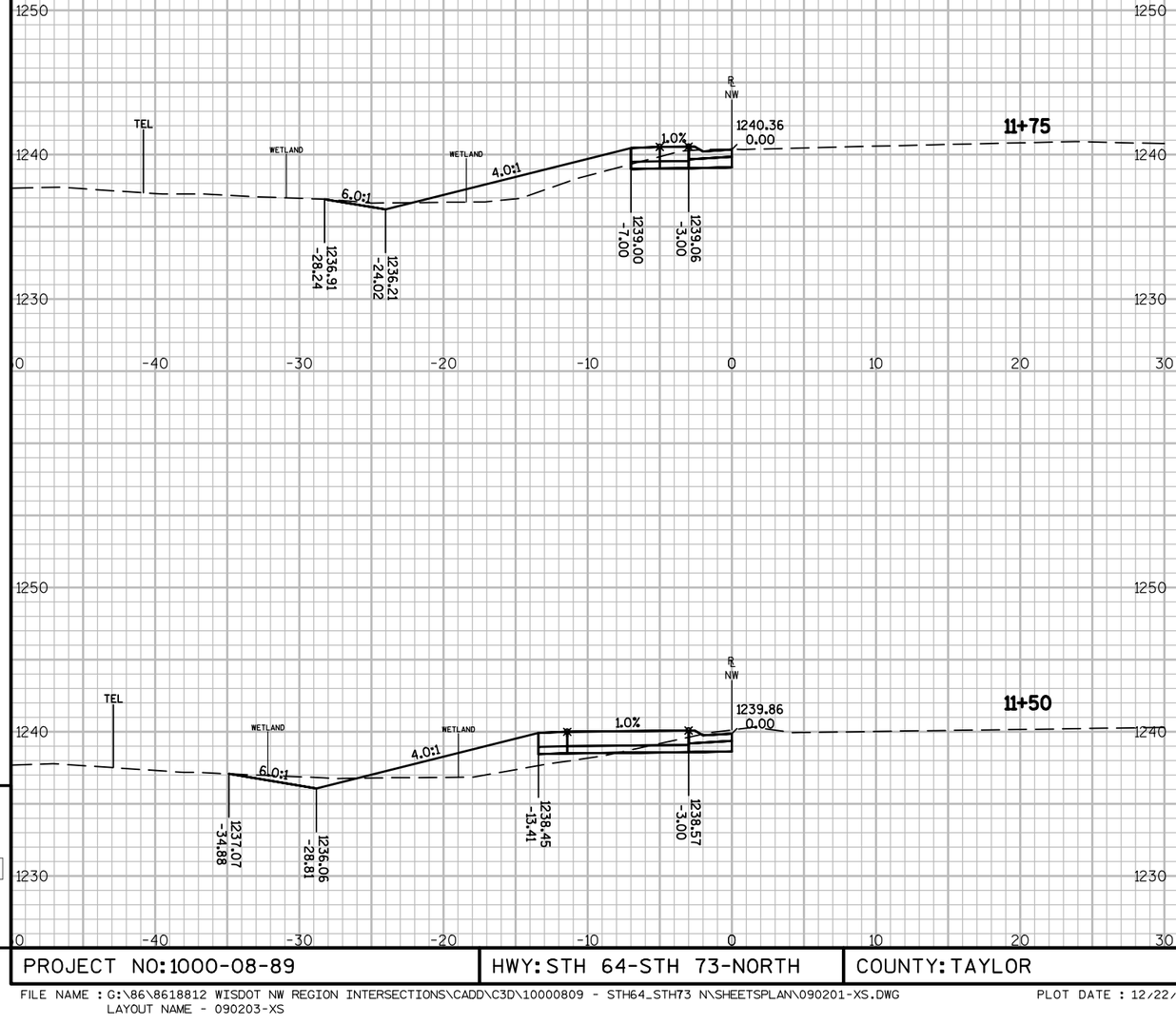
PLOT DATE : 12/22/2015 4:37 PM PLOT BY : TYLER BALSIGER PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 1000-08-89	HWY: STH 64-STH 73-NORTH	COUNTY: TAYLOR	CROSS SECTIONS: NW TRUCK PAD	SHEET 105	E

FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809 - STH64_STH73 N\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090202-XS

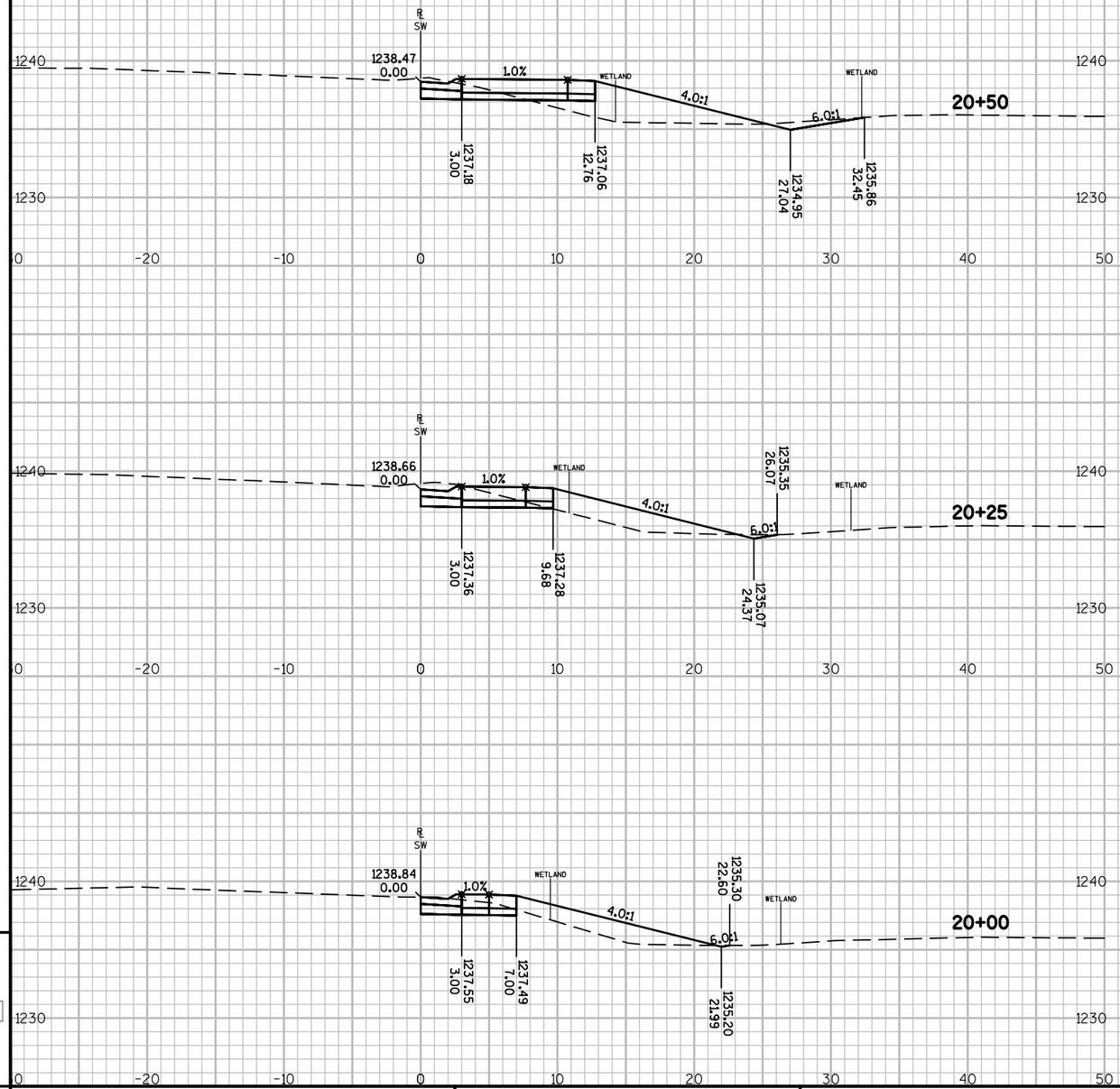
PLOT DATE : 12/22/2015 4:37 PM PLOT BY : TYLER BALSIGER PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 1000-08-89	HWY: STH 64-STH 73-NORTH	COUNTY: TAYLOR	CROSS SECTIONS: NW TRUCK PAD	SHEET 106	E

FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809 - STH64_STH73 N\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090203-XS

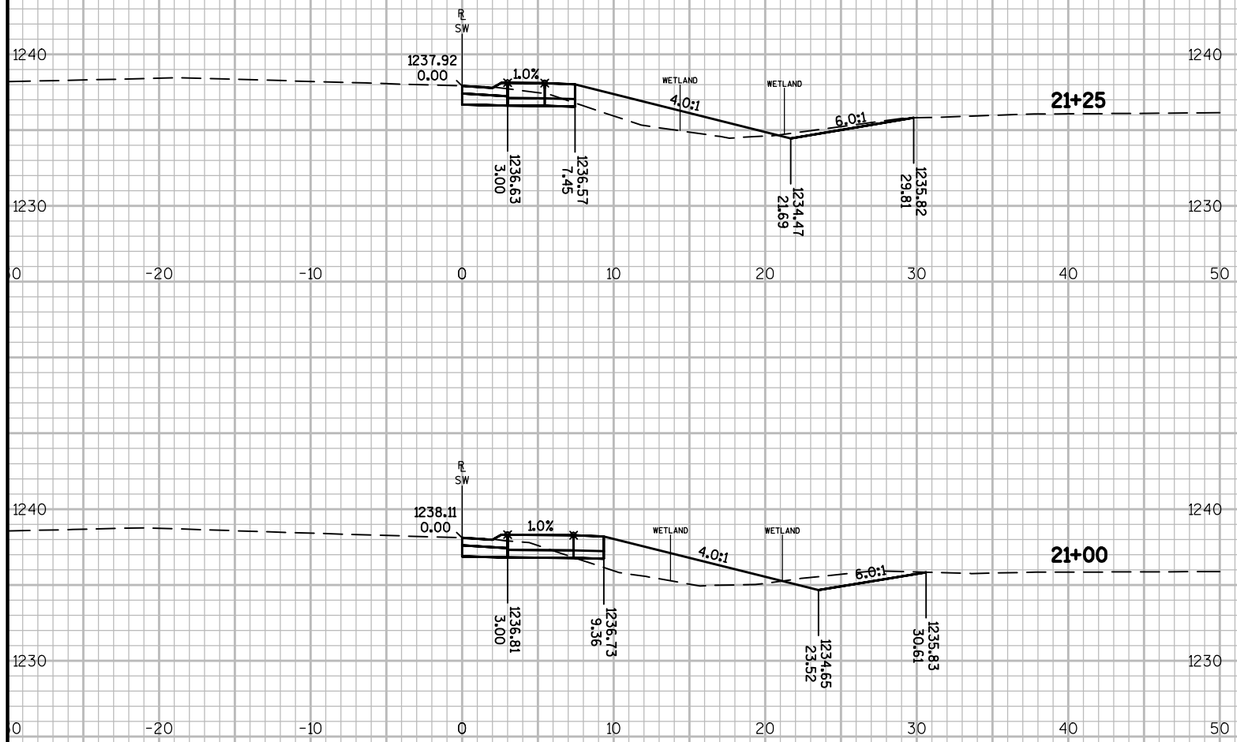
PLOT DATE : 12/22/2015 4:37 PM PLOT BY : TYLER BALSIGER PLOT NAME : PLOT SCALE : 1 IN:10 FT

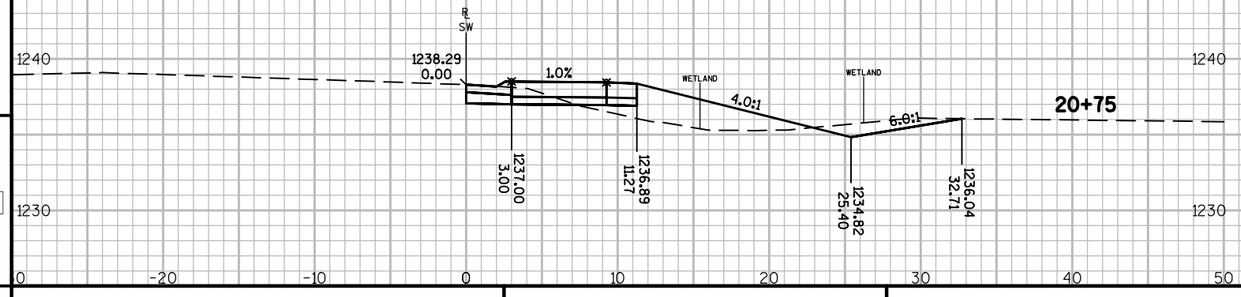


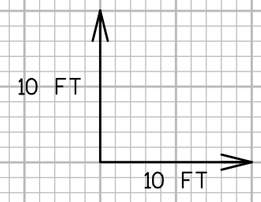
PROJECT NO: 1000-08-89	HWY: STH 64-STH 73-NORTH	COUNTY: TAYLOR	CROSS SECTIONS: SW TRUCK PAD	SHEET 107	E

FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809 - STH64_STH73 N\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090204-XS

PLOT DATE : 12/22/2015 4:37 PM PLOT BY : TYLER BALSIGER PLOT NAME : PLOT SCALE : 1 IN:10 FT



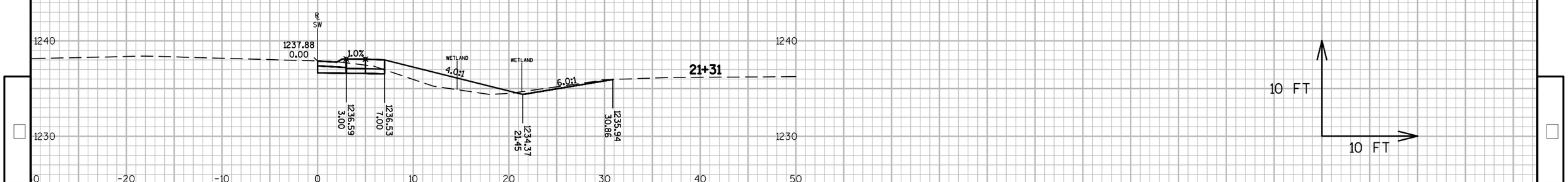




PROJECT NO: 1000-08-89	HWY: STH 64-STH 73-NORTH	COUNTY: TAYLOR	CROSS SECTIONS: SW TRUCK PAD	SHEET 108	E

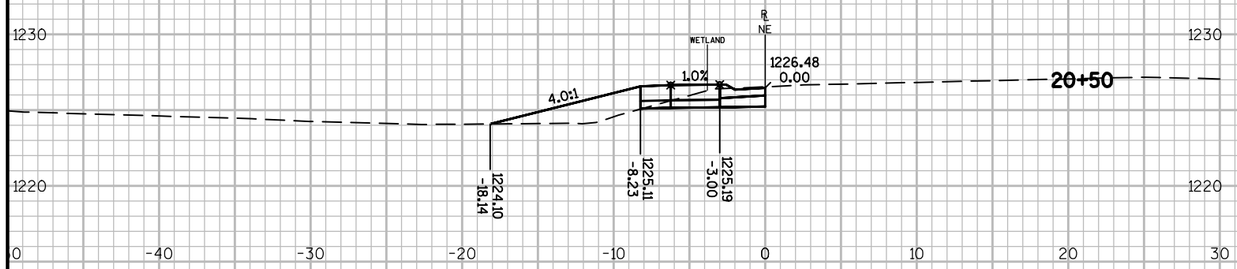
FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809 - STH64_STH73 N\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090205-XS

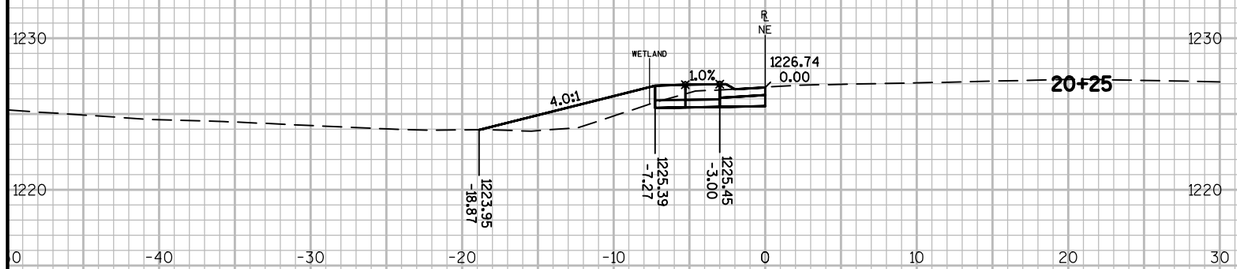
PLOT DATE : 12/22/2015 4:37 PM PLOT BY : TYLER BALSIGER PLOT NAME : PLOT SCALE : 1 IN:10 FT

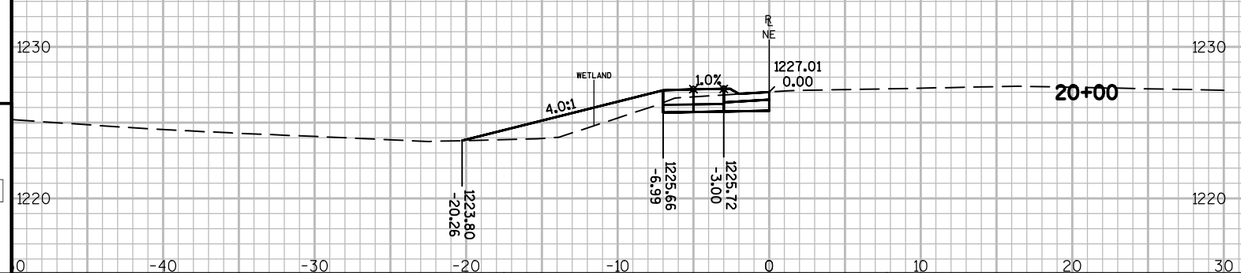


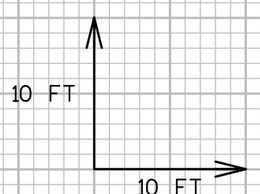
PROJECT NO: 1000-08-89	HWY: STH 64-STH 73-NORTH	COUNTY: TAYLOR	CROSS SECTIONS: SW TRUCK PAD	SHEET 109	E

FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809 - STH64_STH73 N\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090206-XS
PLOT DATE : 12/22/2015 4:37 PM PLOT BY : TYLER BALSIGER PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49





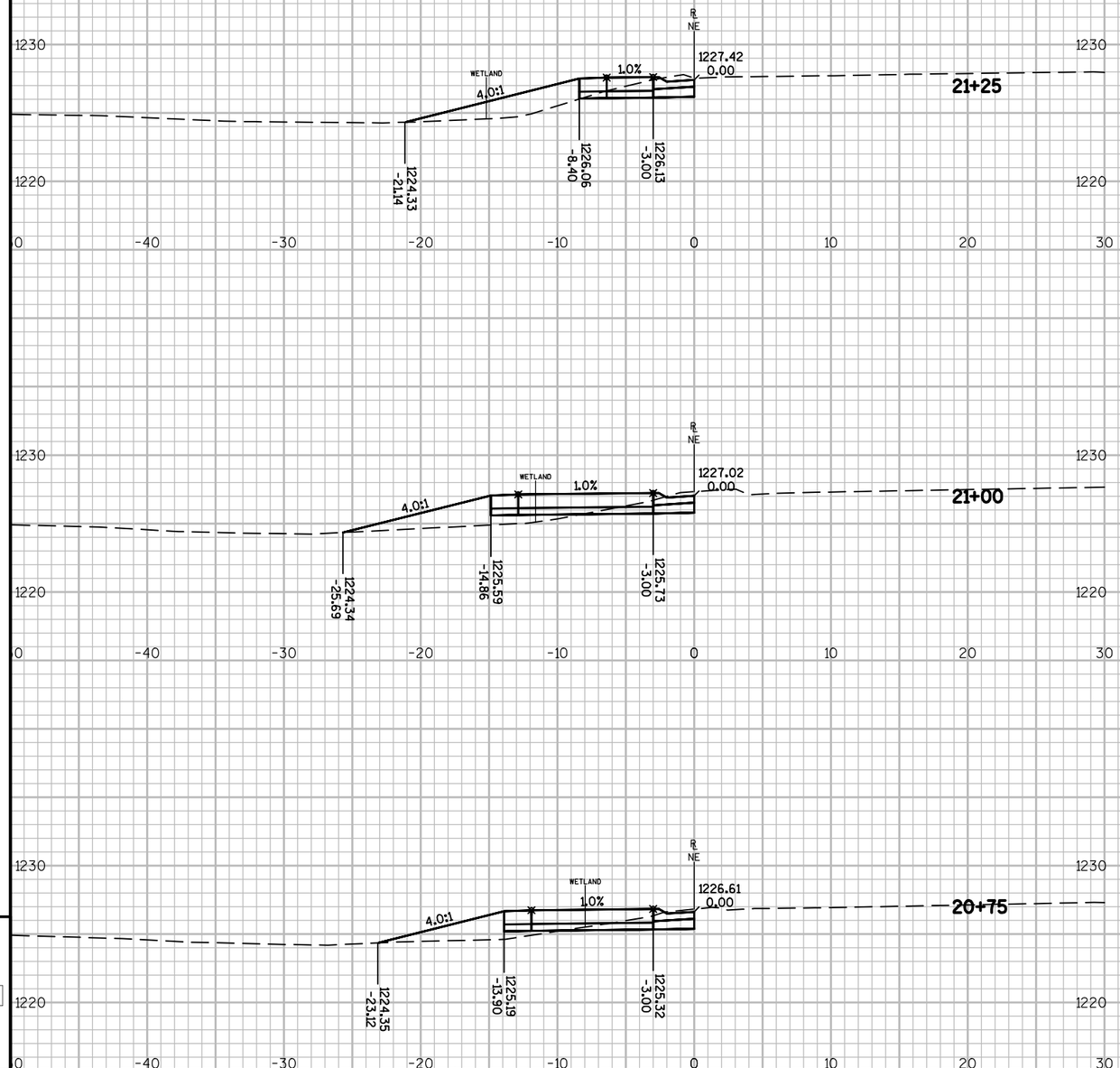


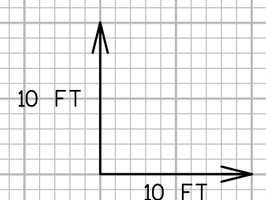


PROJECT NO: 100-08-89	HWY: STH 64-STH73-SOUTH	COUNTY: TAYLOR	CROSS SECTIONS: NE TRUCK PAD	SHEET 110	E

FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809 - STH64_STH73 S\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090201-XS

PLOT DATE : 12/22/2015 4:20 PM PLOT BY : TYLER BALSIGER PLOT NAME : PLOT SCALE : 1 IN:10 FT

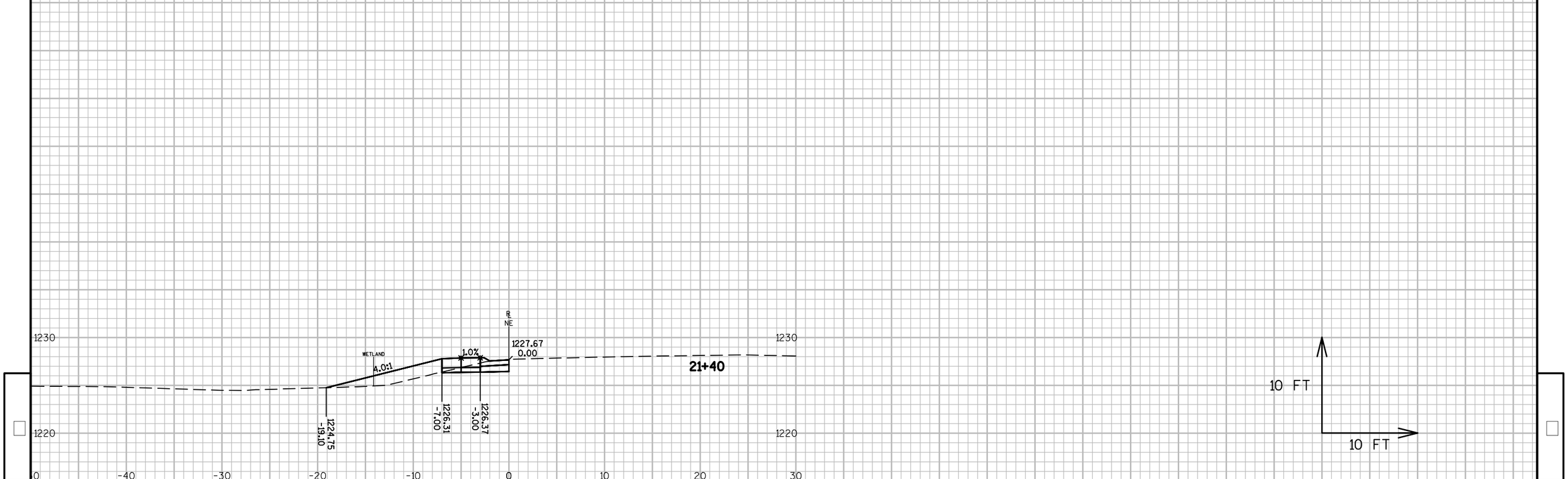




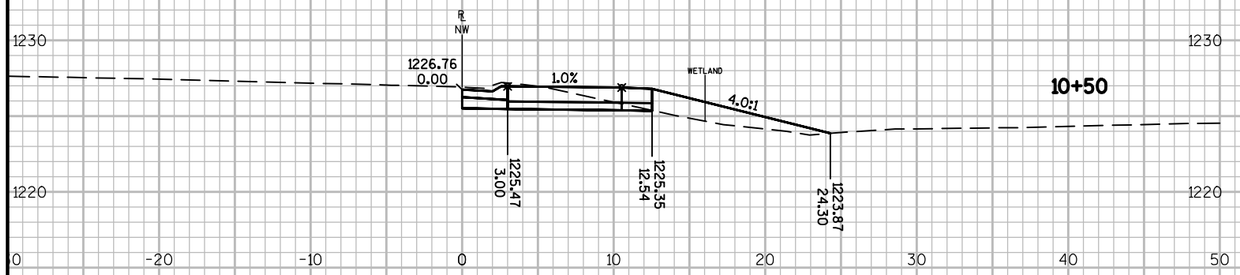
PROJECT NO: 100-08-89	HWY: STH 64-STH73-SOUTH	COUNTY: TAYLOR	CROSS SECTIONS: NE TRUCK PAD	SHEET 111	E

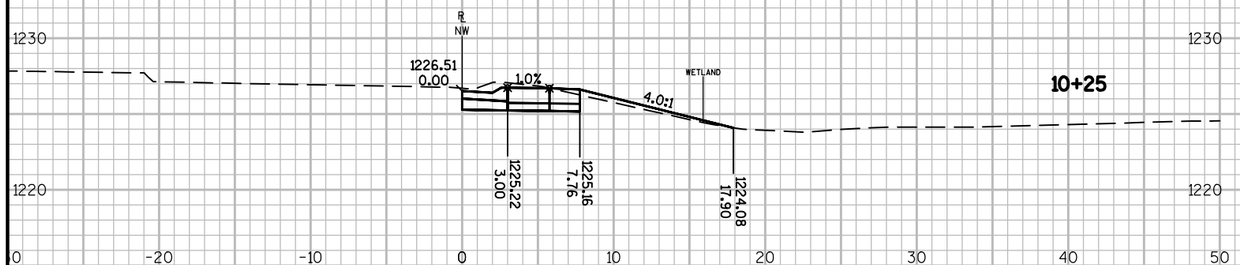
FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809 - STH64_STH73 S\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090202-XS

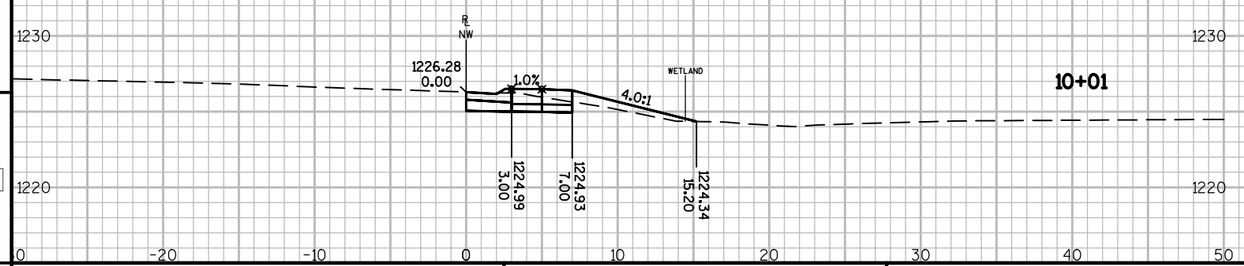
PLOT DATE : 12/22/2015 4:20 PM PLOT BY : TYLER BALSIGER PLOT NAME : PLOT SCALE : 1 IN:10 FT

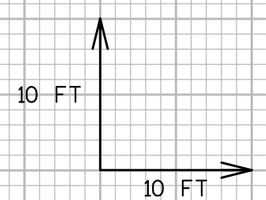


PROJECT NO: 100-08-89	HWY: STH 64-STH73-SOUTH	COUNTY: TAYLOR	CROSS SECTIONS: NE TRUCK PAD	SHEET 112	E





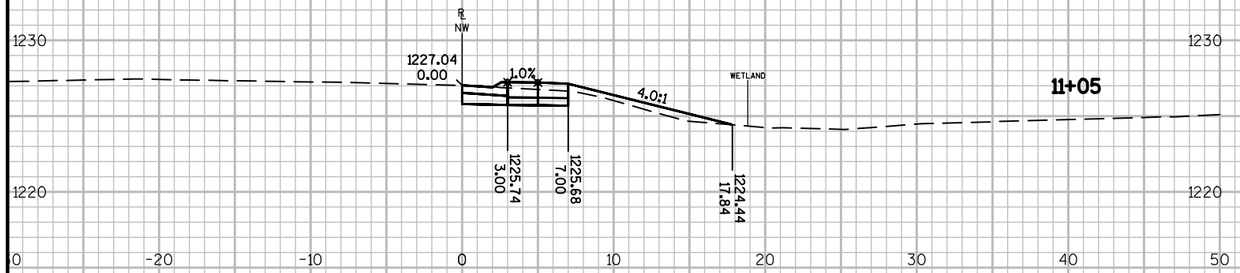




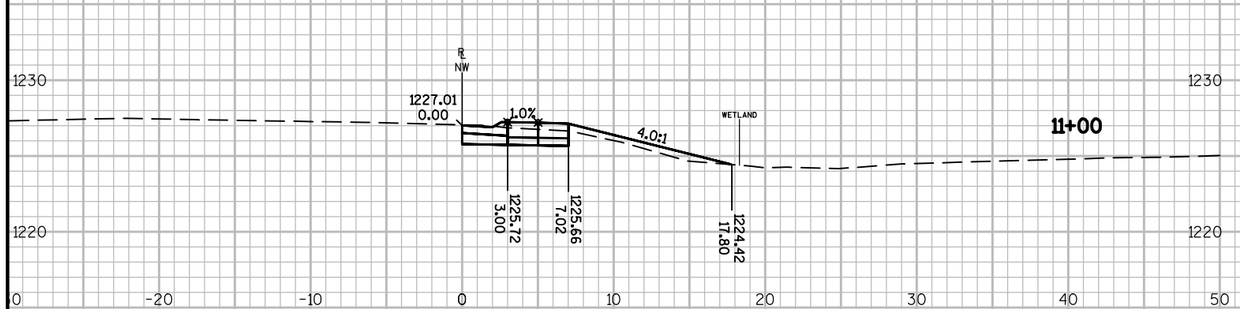
PROJECT NO: 100-08-89	HWY: STH 64-STH73-SOUTH	COUNTY: TAYLOR	CROSS SECTIONS: NW TRUCK PAD	SHEET 113	E

FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809 - STH64_STH73 S\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090204-XS

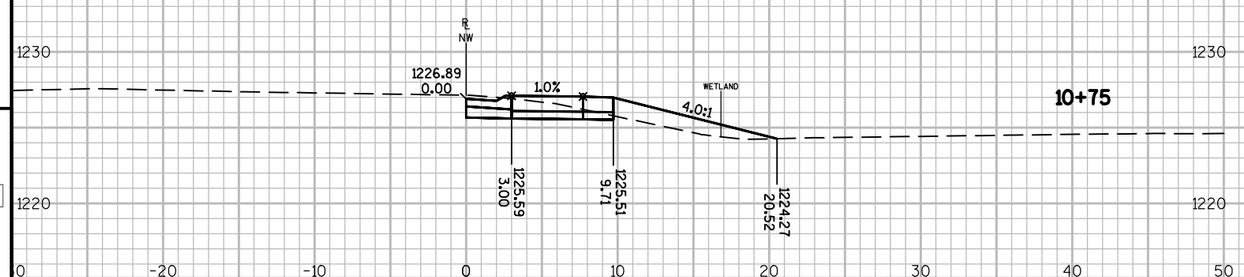
PLOT DATE : 12/22/2015 4:20 PM PLOT BY : TYLER BALSIGER PLOT NAME : PLOT SCALE : 1 IN:10 FT



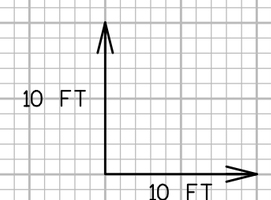
11+05



11+00



10+75



PROJECT NO: 100-08-89	HWY: STH 64-STH73-SOUTH	COUNTY: TAYLOR	CROSS SECTIONS: NW TRUCK PAD	SHEET 114	E

FILE NAME : G:\86\8618812 WISDOT NW REGION INTERSECTIONS\CADD\C3D\10000809 - STH64_STH73 S\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090205-XS

PLOT DATE : 12/22/2015 4:20 PM PLOT BY : TYLER BALSIGER PLOT NAME : PLOT SCALE : 1 IN:10 FT

Notes

Wisconsin Department of Transportation

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