WKE

SEPT 2018

PROJECT ID: 3110-02-71

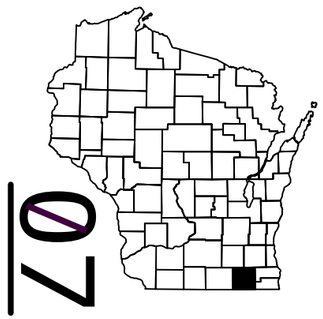
WITH: 3110-06-70, 3110-06-71

COUNTY: WALWORTH

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 = 410



N

DESIGN DESIGNATION

		NEWCOMB ST - SUNRISE LN	SUNRISE LN - USH 12
A.A.D.T.	(2019)	= 7,500	= 4,700
A.A.D.T.	(2039)	= 8,300	= 5,100
D.H.V.	(2039)	= 996	= 612
D.D.		= 59/41	= 59/41
T.		= 20.1 (DHV)	= 20.1 (DHV)
DESIGN SPEED		= 30 MPH	= 45 MPH
ESALS		= 3,869,000	= 2,569,000

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

UTILITIES

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

ELKHORN ROAD, CITY OF WHITEWATER

NEWCOMB STREET TO USH 12

STH 59

WALWORTH COUNTY

STATE PROJECT NUMBER
3110-02-71

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
3110-02-71	WISC 2018377	1

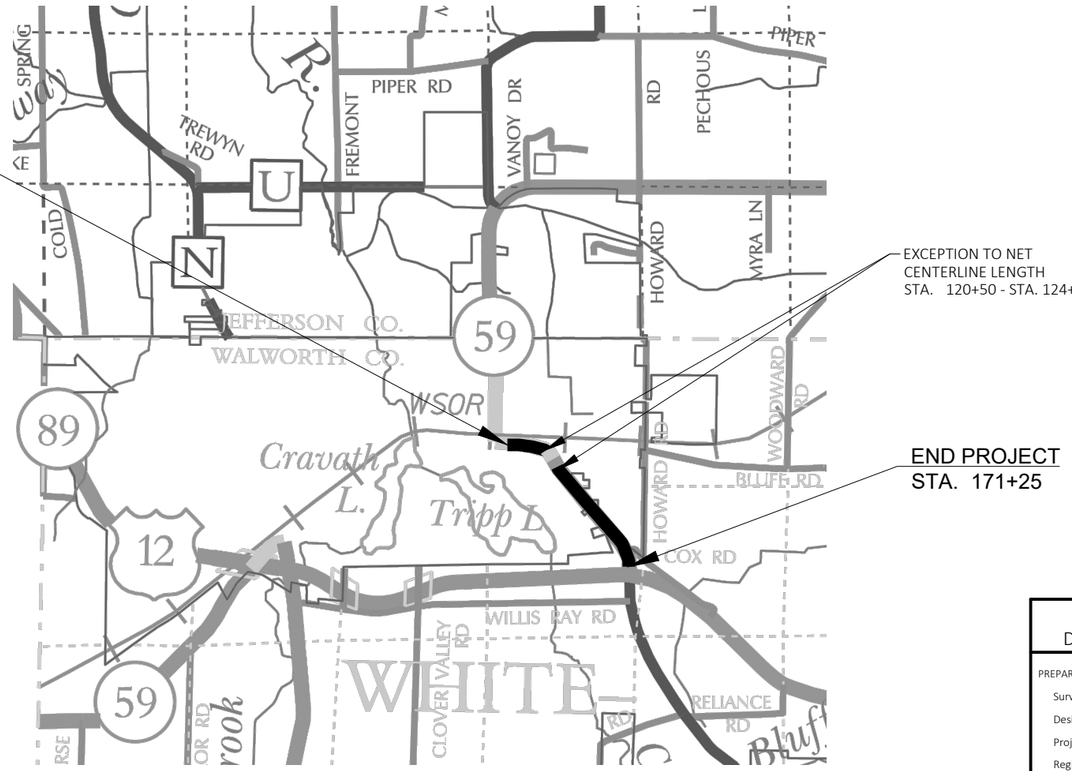
R-15-E

BEGIN PROJECT
STA 102+75
X = 715,999.161
Y = 423,935.858

EXCEPTION TO NET CENTERLINE LENGTH
STA. 120+50 - STA. 124+50

END PROJECT
STA. 171+25

T-4-N



LAYOUT

SCALE 0 1.0 MI

TOTAL NET LENGTH OF CENTERLINE = 1.222 MI.

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, WALWORTH COUNTY, NAD83 (2007), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ELEVATION SHOWN ON THE PLAN ARE REFERENCED TO THE AMERICAN GEODETIC VERTICAL DATUM OF 1988 NAVD 88 (2007)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT
Designer	WISDOT
Project Manager	GARY METZER
Regional Examiner	
Regional Supervisor	JANET CANNON

APPROVED FOR THE DEPARTMENT

DATE: 03/15/2018 (Signature)

E

FILE NAME : N:\PDS\C3D\CAD\31100201\010101_TI.DWG PLOT DATE : 3/15/2018 7:50 AM PLOT BY : HAYNES, RONNIE PLOT NAME :

GENERAL NOTES

NO TREES OR SHRUBS SHALL BE REMOVED UNLESS DESIGNATED FOR REMOVAL BY THE ENGINEER.

MISCELLANEOUS REMOVAL ITEMS REQUIRING RESTORATION OF CONCRETE OR ASPHALTIC CONCRETE DRIVEWAYS, SIDEWALKS, OR SIDE STREETS SHALL BE REMOVED TO AN EXISTING JOINT OR SAWED AS DETERMINED BY THE ENGINEER.

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

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

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

OBTAIN APPROVAL FROM THE ENGINEER FOR THE LOCATIONS OF LONGITUDINAL JOINTS IN THE HMA PAVEMENT.

CURB AND GUTTER GRADES ARE GIVEN AT THE FLANGE LINE. CURB AND GUTTER RADII ARE MEASURED TO THE FLANGE.

MAINTAIN ACCESS TO ALL DRIVEWAYS AND BUSINESSES AT ALL TIMES, UNLESS NOTED OTHERWISE IN SPECIAL PROVISIONS.

TRAFFIC CONTROL LOCATIONS AS SHOWN IN THE PLAN ARE SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

ALL SIGN LOCATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION.

FIELD VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN PRIOR TO ORDERING DRAINAGE STRUCTURES.

PIPE AND INVERT ELEVATIONS SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER

IMMEDIATELY AFTER CONSTRUCTION OF ANY INLET, CONSTRUCT THE INLET PROTECTION TO MINIMIZE SEDIMENTATION IN THE INLET AND STORM SEWER.

DO NOT USE FERTILIZER OR TEMPORARY SEED WITHIN 20' OF WATERWAYS OR WETLAND AREAS.

USE SEED MIXTURE NO. 60 FOR WETLAND AREAS AND WITHIN 20' OF WETLAND AREAS.

RETOPSOIL OF GRADED AREAS, AS DESIGNATED BY THE ENGINEER, IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. SEED, SOD, FERTILIZE, AND MULCH/EROSION MAT TOP-SOILED AREAS, AS DESIGNATED BY THE ENGINEER, WITHIN FIVE (5) CALENDAR DAYS AFTER PLACEMENT OF TOPSOIL. IF GRADED AREAS ARE LEFT EXPOSED FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THOSE AREAS WITH TEMPORARY SEED AND MULCH.

STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN FOURTEEN (14) CALENDARD DAYS, SEED THE STOCKPILE WITH TEMPORARY SEED AND MULCH.

EROSION CONTROL BMP'S ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTORS ECIP AND BY THE ENGINEER. EROSION CONTROL BMP'S SHALL BE MAINTANINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE BMP IS NO LONGER REQUIRED.

SEE GEOTECHNICAL ENGINEERING REPORT FOR SOIL INFORMATION. REPORT IS AVAILABLE FROM THE SOUTHEAST REGION SOILS ENGINEER CASEY WIERZCHOWSKI, PHONE 262-521-4427 OR EMAIL CASEY.WIERZCHOWSKI@DOT.WI.GOV

UTILITY CONTACTS

ATC MANAGEMENT, INC
CHRIS DAILEY
P.O. BOX 47
WAUKESHA, WI 53187-0047
PHONE: (262) 506-6884
EMAIL: CDAILEY@ATCLLC.COM

AT&T WISCONSIN
MATT KINAS
152 DIXON STREET
MADISON, WI 53704
PHONE: (608) 252-5102
CELL: (608) 216-5881
EMAIL: MK3281@ATT.COM

CHARTER COMMUNICATIONS
DAVID MOLDENHAUER
1348 PLAINFIELD AVE.
JANESVILLE, WI 53545
PHONE: (608) 373-7538
CELL: (608) 206-0494
EMAIL: DAVID.MOLDENHAUER@CHARTER.COM

CITY OF WHITEWATER - SEWER
TIM REEL
312 W. WHITEWATER STREET
WHITEWATER, WI 53190
PHONE: (262) 473-0560
CELL: (262) 443-7259
EMAIL: TREEL@WHITEWATER-WI.GOV

WE ENERGIES - ELECTRIC
TERRY CONNELLY
S13 W33800 HWY 18
DELAFIELD, WI 53018
PHONE: (262) 968-5771
EMAIL: TERRY.CONNELLY@WE-ENERGIES.COM

WE ENERGIES - GAS
DANIELLE FINK
500 S. 116TH STREET
WEST ALLIS, WI 53214
PHONE: (414) 944-5627
CELL: (414) 651-3067
EMAIL: DANIELLE.FINK@WE-ENERGIES.COM

WISDOT SIGNALS
WISDOT ELECTRICAL FIELD UNIT
935 S. 60TH STREET
WEST ALLIS, WI 53214
PHONE: (414) 266-1170
CELL: (414) 750-1443

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

2

ORDER OF SHEETS

GENERAL NOTES

PROJECT OVERVIEW

TYPICAL SECTIONS

CONSTRUCTION DETAILS

REMOVAL PLAN

PLAN DETAIL

CURB RAMP DETAIL

PAVEMENT GRADES

EROSION CONTROL

STORM SEWER

PERMANENT SIGNING

TRAFFIC SIGNALS

PAVEMENT MARKING

TRAFFIC CONTROL

DETOURS

ALIGNMENT

SOIL BORINGS

OTHER CONTACTS

WI DNR LIAISON
CRAIG WEBSTER
141 NW BARSTOW STREET, ROOM 180
WAUKESHA, WI 53188
PHONE: (262) 574-2141
FAX: (262) 574-2128
EMAIL: CRAIG.WEBSTER@WI.GOV

WISDOT PROJECT MANAGER
GARY METZER
141 NW BARSTOW STREET
P.O. BOX 798
WAUKESHA, WI 53187-0798
PHONE: (262) 548-5685
EMAIL: GARY.METZER@DOT.WI.GOV

CITY OF WHITEWATER
CAMERON CLAPPER
312 W WHITEWATER STREET
PO BOX 178
WHITEWATER, WI 53190
PHONE: (262) 473-0101
EMAIL: CCLAPPER@WHITEWATER-WI.GOV

CITY OF WHITEWATER - ENGINEERING
MARK FISHER
STRAND Associates
910 WEST WINGRA DRIVE
MADISON, WI 53715
PHONE: (608) 251-4843 EXT 1078
EMAIL: MARK.FISHER@STRAND.COM

CONSTRUCT HMA PAVEMENTS WITH THE FOLLOWING ASPHALTIC MATERIAL LAYERS AND MIXES:

LOCATION	ASPHALT MIX	LOWER LAYER	UPPER-LOWER LAYER	UPPER LAYER
7 1/2-INCH	3 MT 58-28 S	2 1/2-INCH	--	--
	3 MT 58-28 S	--	3-INCH	--
	4 MT 58-28 S	--	--	2-INCH
7-INCH	3 MT 58-28 S	2 1/4-INCH		
	3 MT 58-28 S		2 1/4-INCH	
	4 MT 58-28 S			2 1/2 -INCH
5-INCH	3 MT 58-28 S	3-INCH	--	--
	4 MT 58-28 S	--	--	2-INCH

2

CITY OF
WHITEWATER

EXCEPTION TO
NET CENTERLINE LENGTH
STA. 120+50 - STA. 124+50

BLUFF RD.

SUNRISE LN.

STA. 155+25

COX RD.

TOWN OF
WHITEWATER

WILLARD ST.

CLAY ST.

RICE ST.

STH 59

OLD COUNTY P

120

130

140

150

160

170

30

20

180

USH 12

TAFT ST.

NEWCOMB ST.

BEGIN PROJECT
STA. 102+75

END PROJECT
STA. 171+25

CITY OF
WHITEWATER

TOWN OF
WHITEWATER

LEGEND

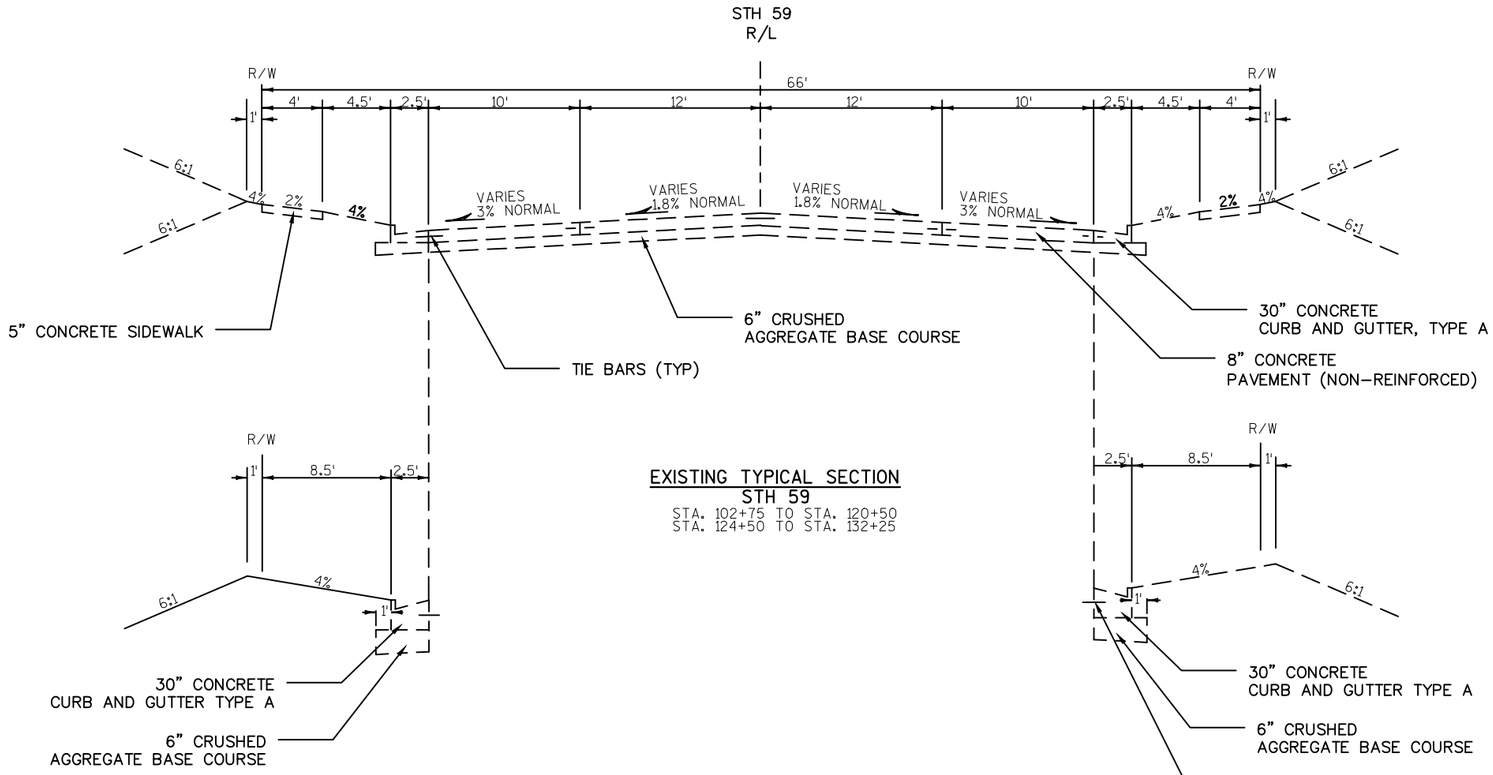
RECONSTRUCT

MILL AND RESURFACE

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PROJECT OVERVIEW	SHEET 4	E

FILE NAME : N:\PDS\C3D\CAD\31100201\020201_PO.DWG
LAYOUT NAME - 020201_po
PLOT DATE : 8/31/2017 11:20 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

2



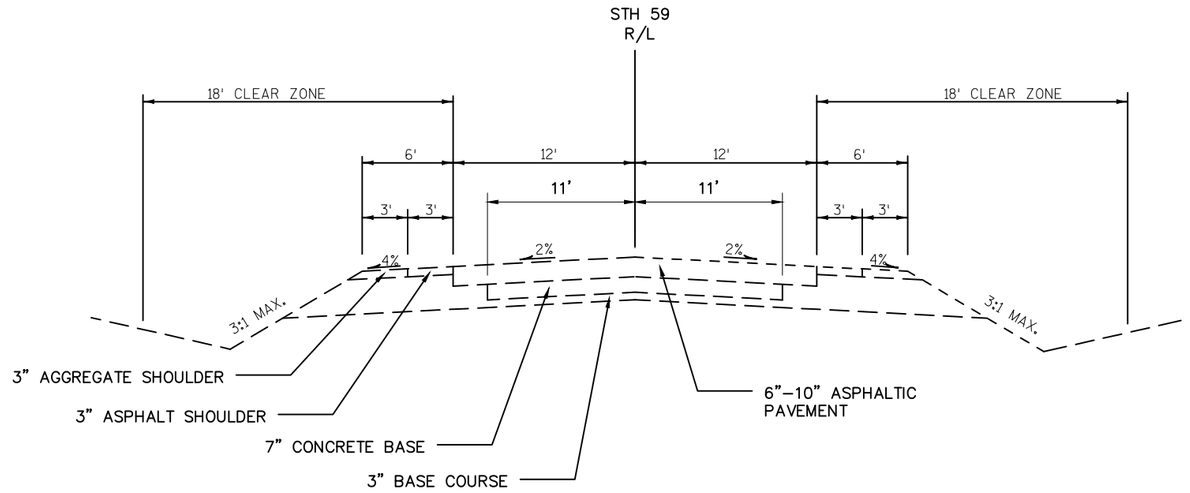
EXISTING TYPICAL SECTION
STH 59
STA. 102+75 TO STA. 120+50
STA. 124+50 TO STA. 132+25

STA. 129+00 TO STA. 132+25

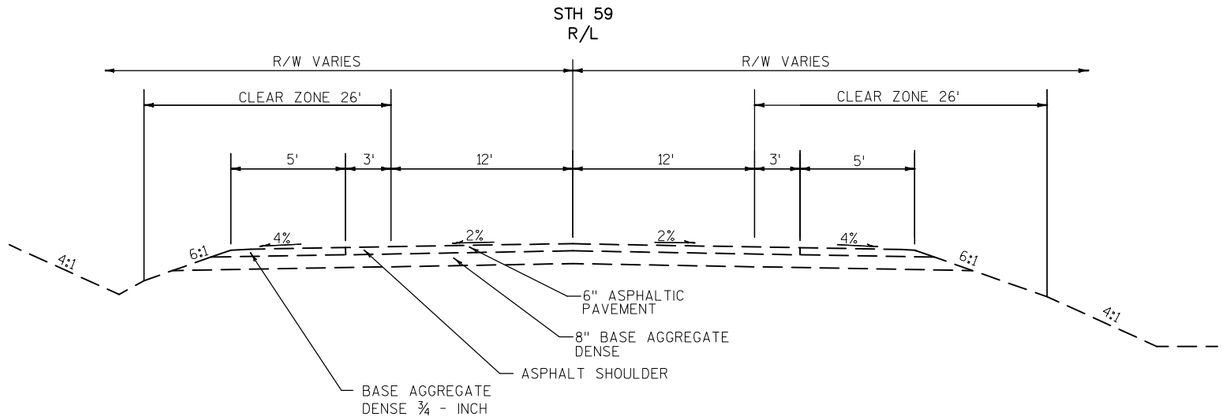
STA. 127+75 TO STA. 132+25

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	TYPICAL SECTION	SHEET 5	E

2



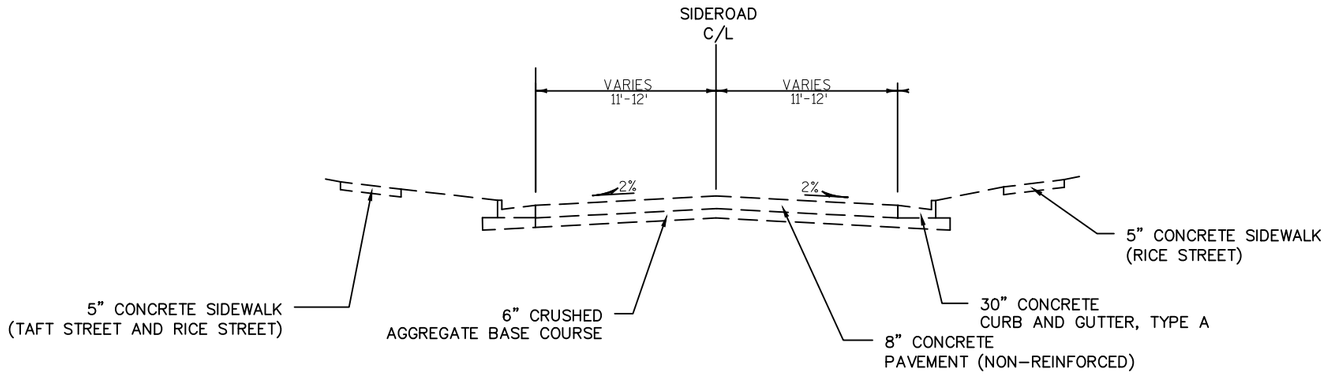
EXISTING TYPICAL SECTION
STH 59
STA. 132+25 TO STA. 155+25



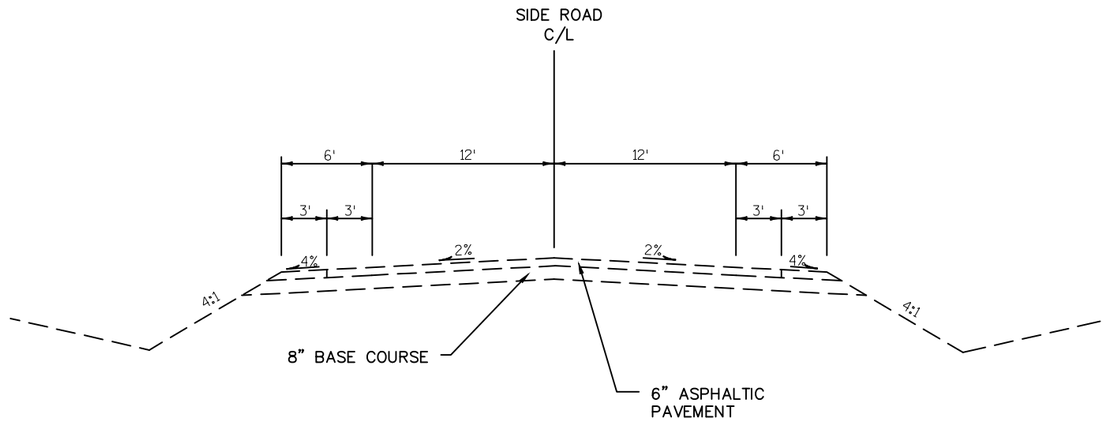
EXISTING TYPICAL SECTION
STH 59
STA. 155+25 TO STA. 171+25

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	TYPICAL SECTION	SHEET 6	E

2



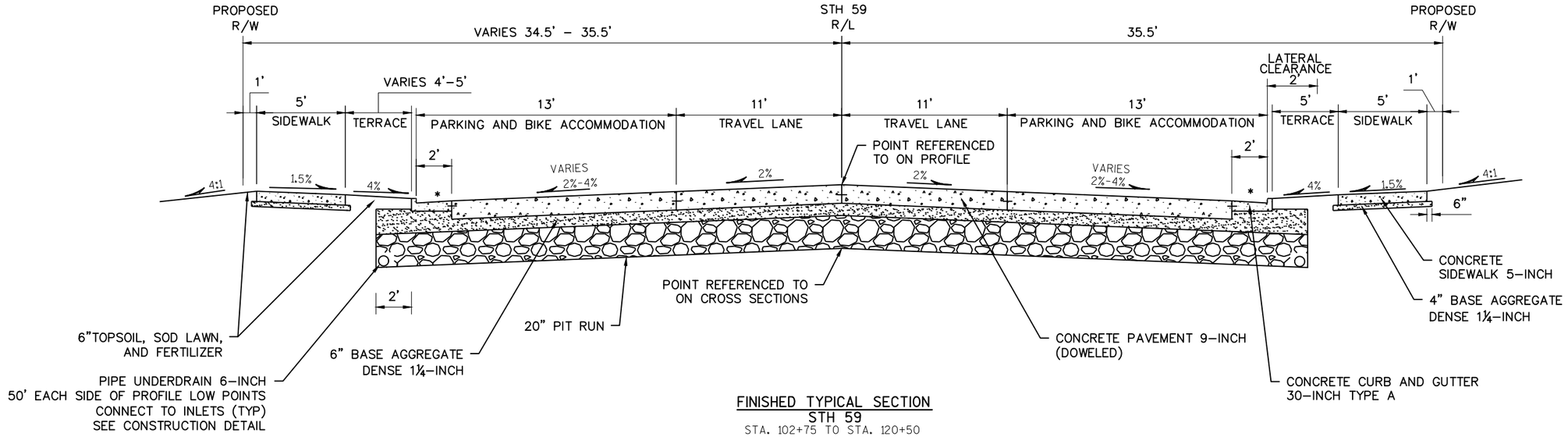
EXISTING TYPICAL SECTION
SIDEROADS
TAFT STREET
WILLARD STREET
RICE STREET



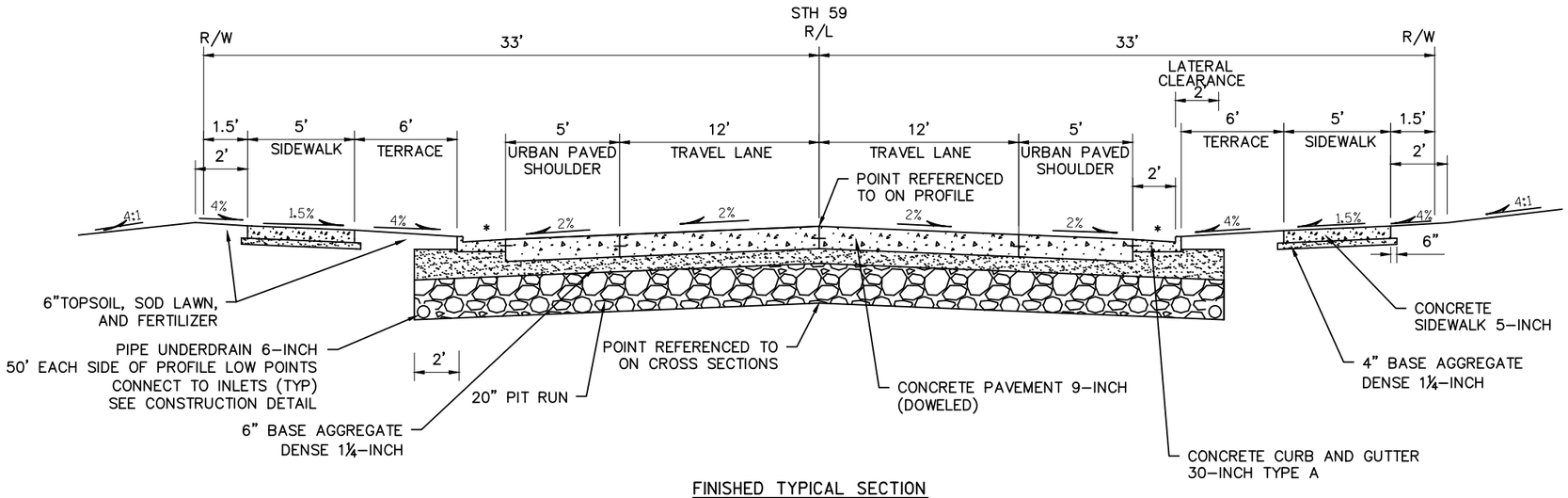
EXISTING TYPICAL SECTION
SIDE ROADS
SUNRISE LANE
OLD COUNTY P
COX ROAD

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	TYPICAL SECTION	SHEET 7	E

FILE NAME : N:\PDS\C3D\CAD\31100201\020301_TS.DWG
LAYOUT NAME - 03_ts
PLOT DATE : 3/15/2018 9:23 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:10 FT



FINISHED TYPICAL SECTION
STH 59
STA. 102+75 TO STA. 120+50



FINISHED TYPICAL SECTION
STH 59
STA. 124+50 TO STA. 132+00

NOTE
* 6.25% CURB FLANGE SLOPE

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	TYPICAL SECTION	SHEET 8	E

FILE NAME : N:\PDS\C3D\CAD\31100201\020301_TS.DWG
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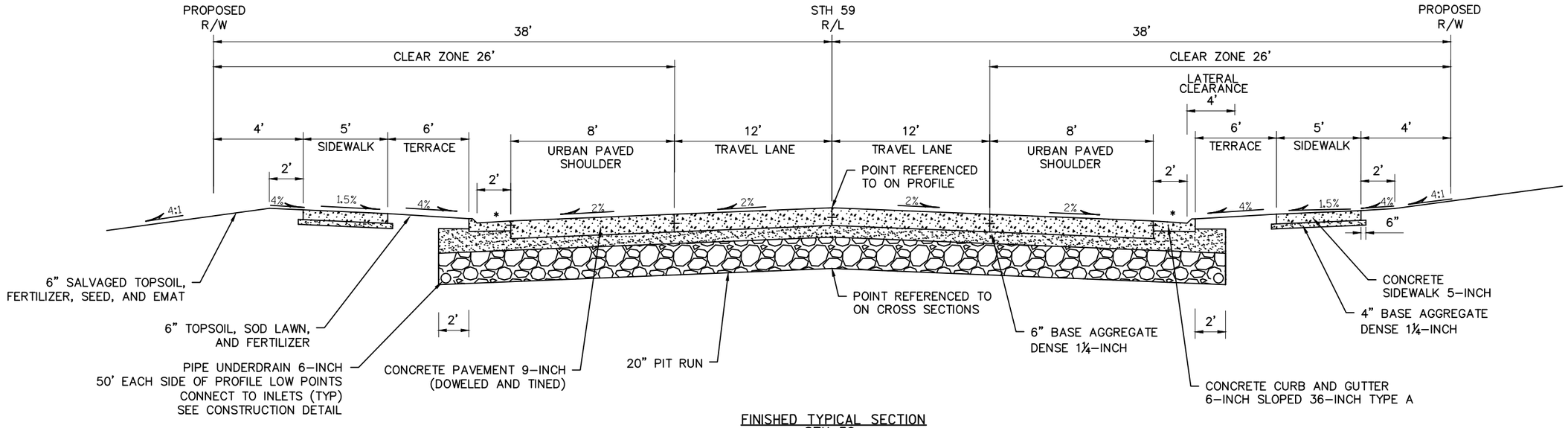
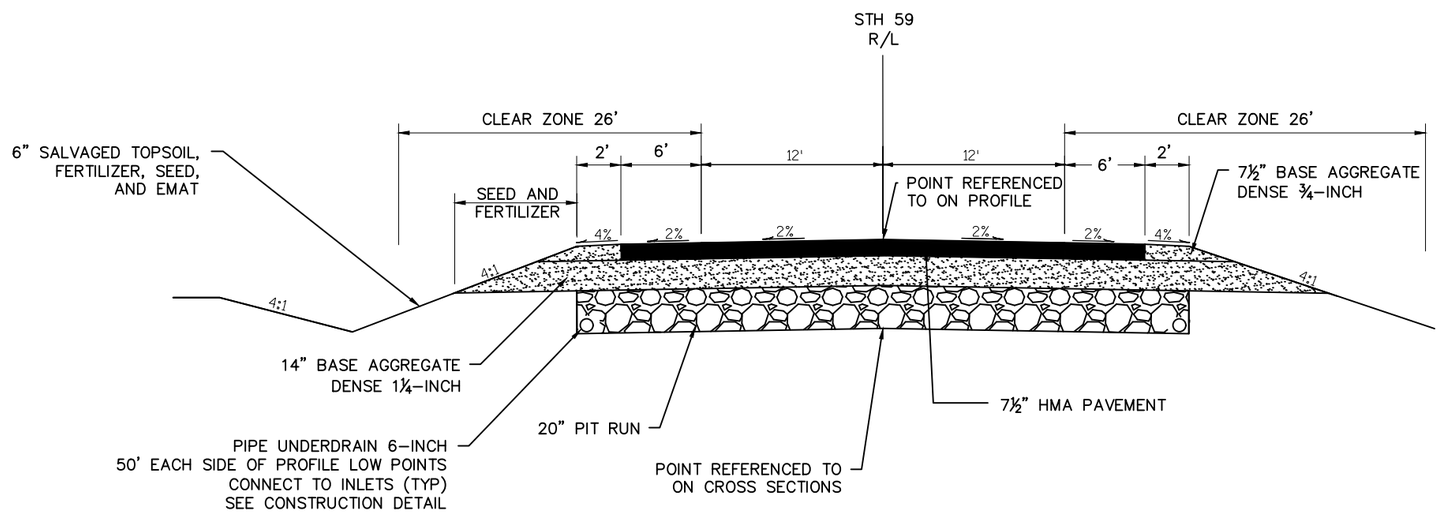
PLOT DATE : 3/15/2018 9:23 AM
PLOT BY : GUENETTE, JEFFREY J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT



FINISHED TYPICAL SECTION
STH 59
STA. 132+00 TO STA. 154+50

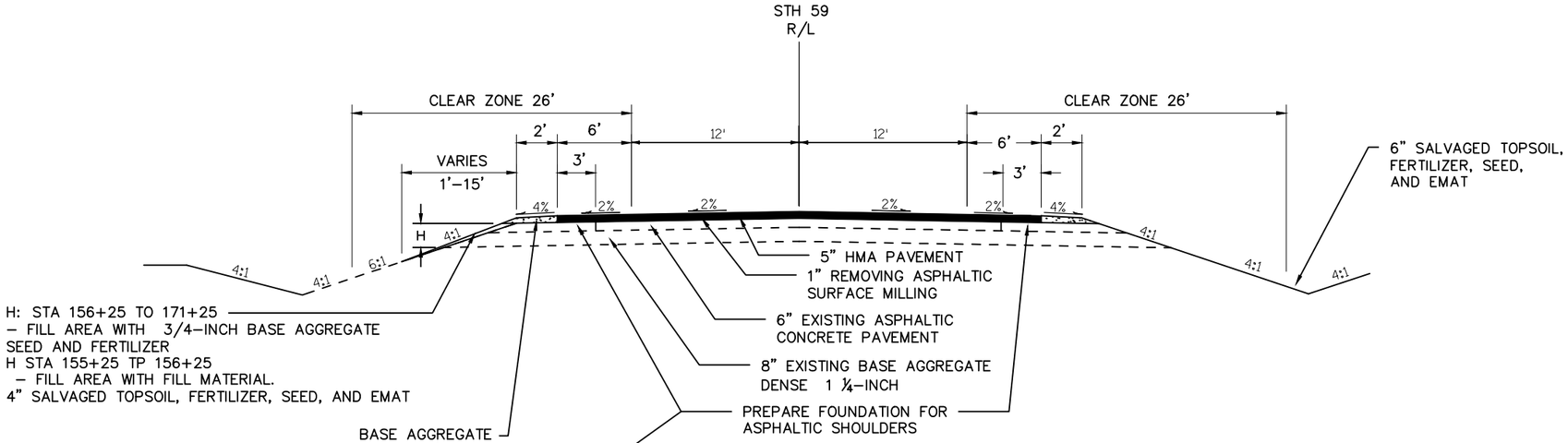


FINISHED TYPICAL SECTION
STH 59
STA. 154+50 TO STA. 155+25

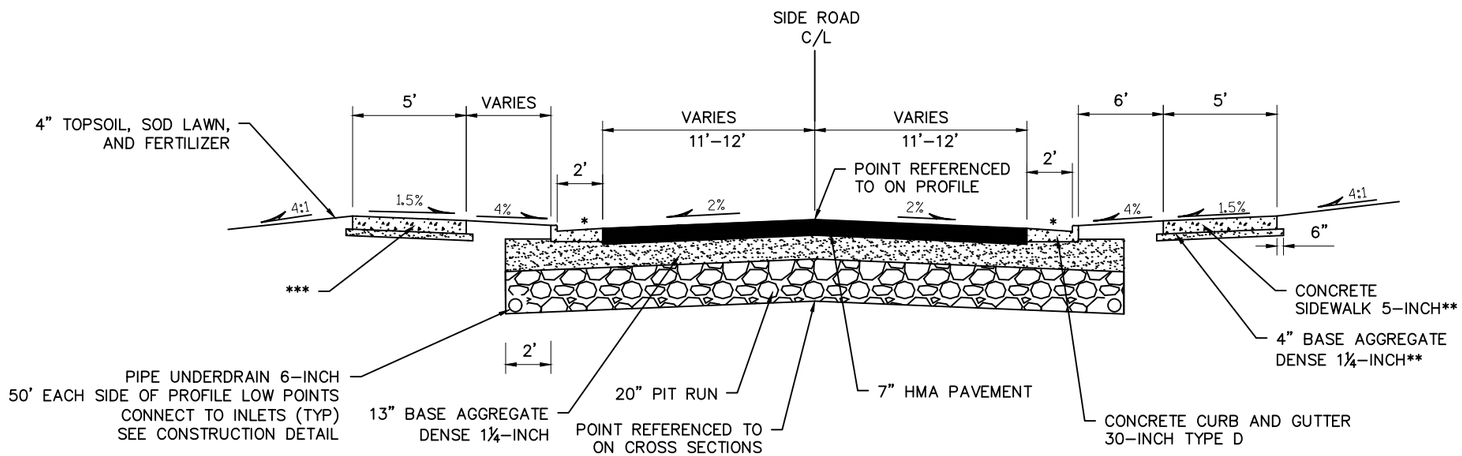
NOTE
* 6.25% CURB FLANGE SLOPE

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	TYPICAL SECTION	SHEET 9	E

2



FINISHED TYPICAL SECTION
STH 59
STA. 155+25 TO STA. 171+25

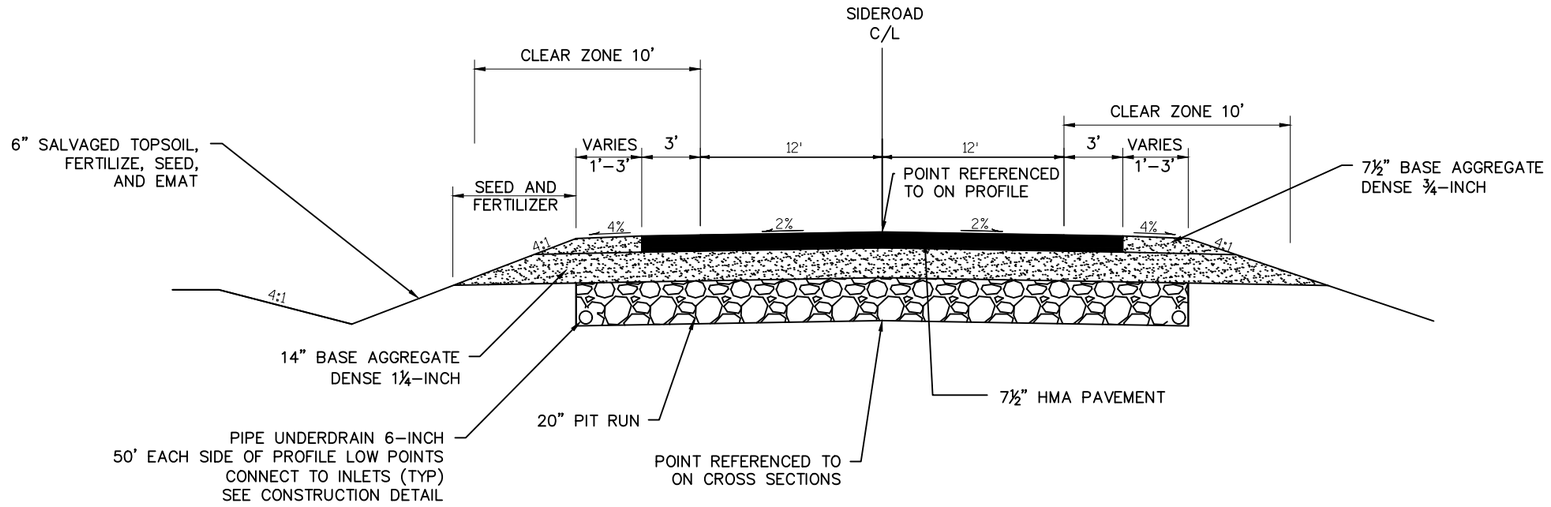


FINISHED TYPICAL SECTION
SIDE ROADS
TAFT STREET
WILLARD STREET
RICE STREET

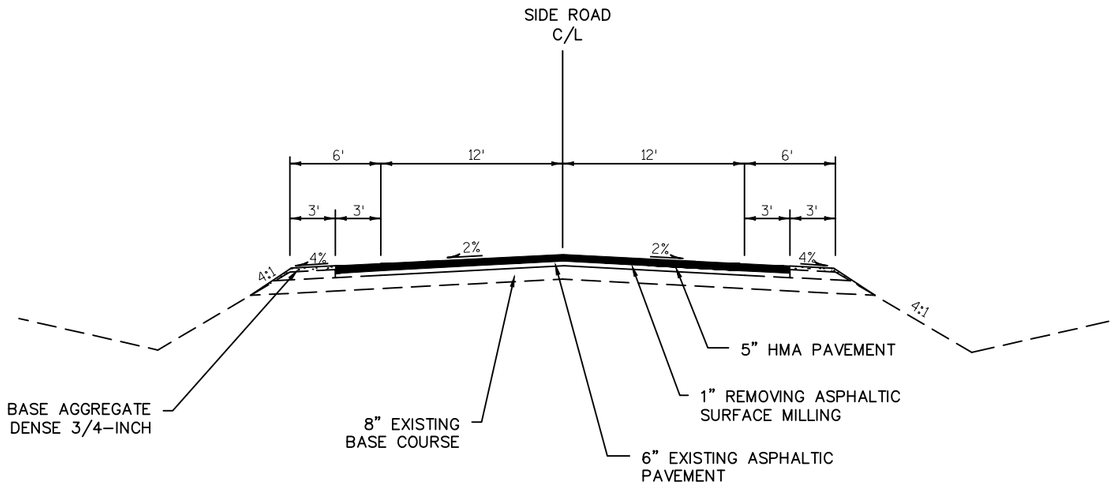
NOTE
* 6.25% CURB FLANGE SLOPE
** RICE STREET
*** TAFT STREET AND RICE STREET

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	TYPICAL SECTION	SHEET 10	E

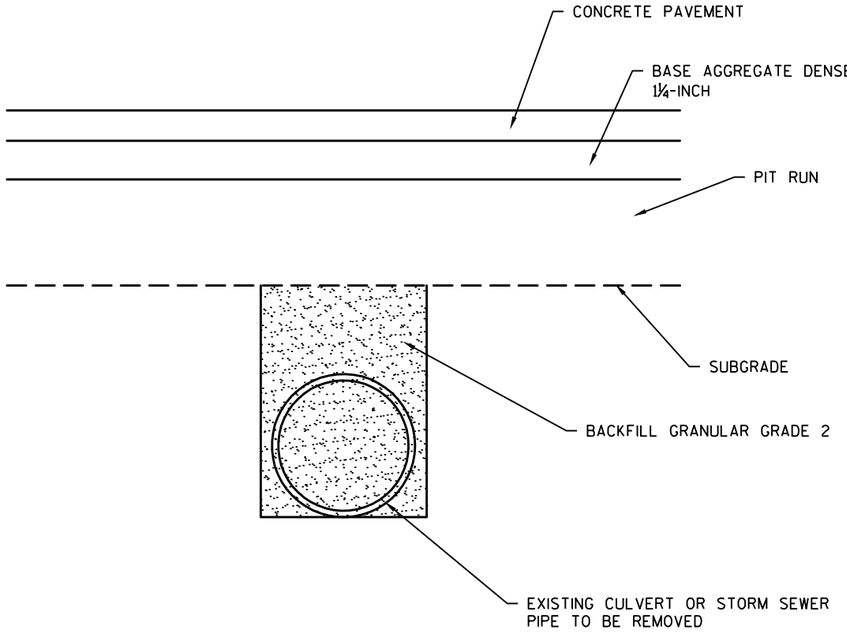
2



FINISHED TYPICAL SECTION
SIDE ROAD
SUNRISE LANE
OLD COUNTY P

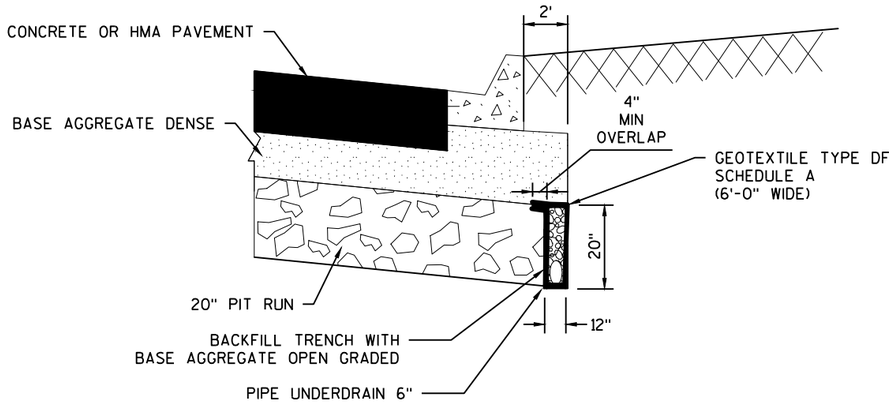


FINISHED TYPICAL SECTION
SIDE ROAD
COX ROAD



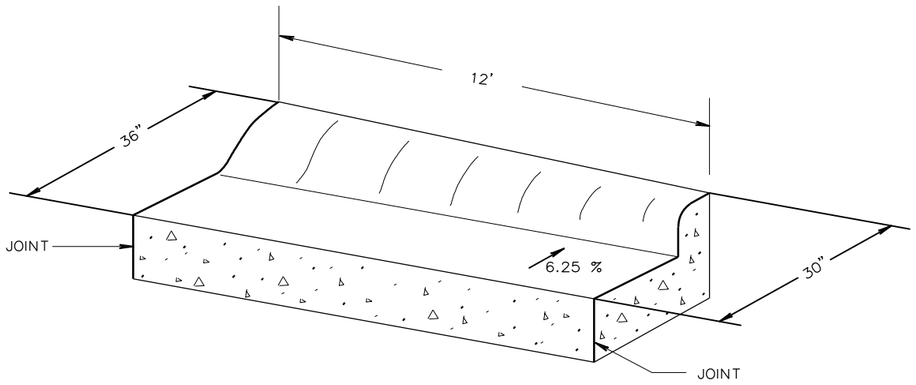
REMOVAL OF PIPES

WITHIN ROADWAY



UNDERDRAIN TRENCH DETAIL

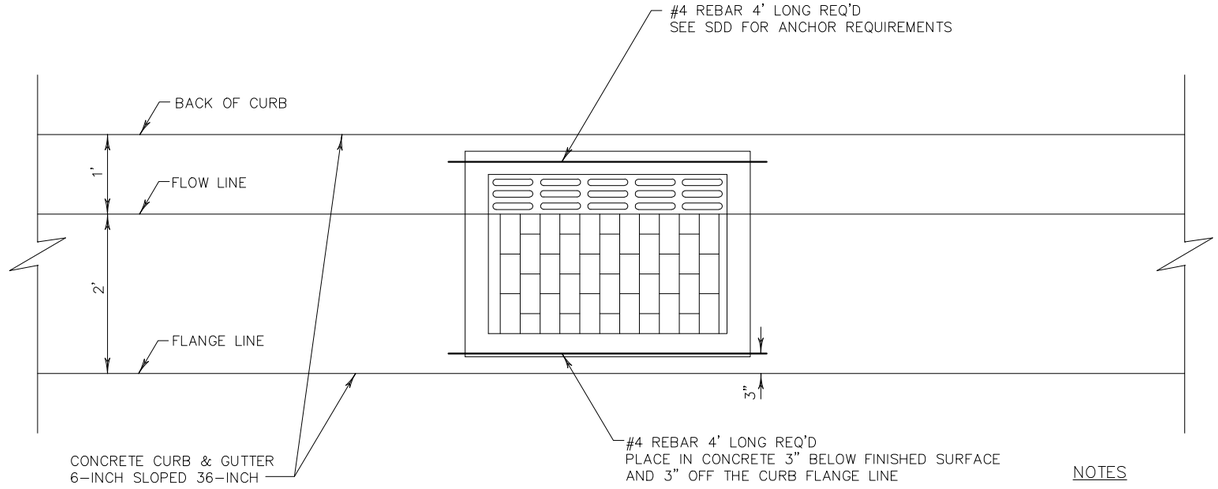
50' EACH SIDE OF PROFILE LOW POINTS
CONNECT PIPE UNDERDRAIN TO INLETS
SEE SDD EDGEDRAIN OUTLET AND OUTFALL MARKERS



CONCRETE CURB AND GUTTER TRANSITION DETAIL

6-INCH SLOPED 36-INCH TYPE A TO 30-INCH TYPE A
(PAID FOR AS CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A)

2

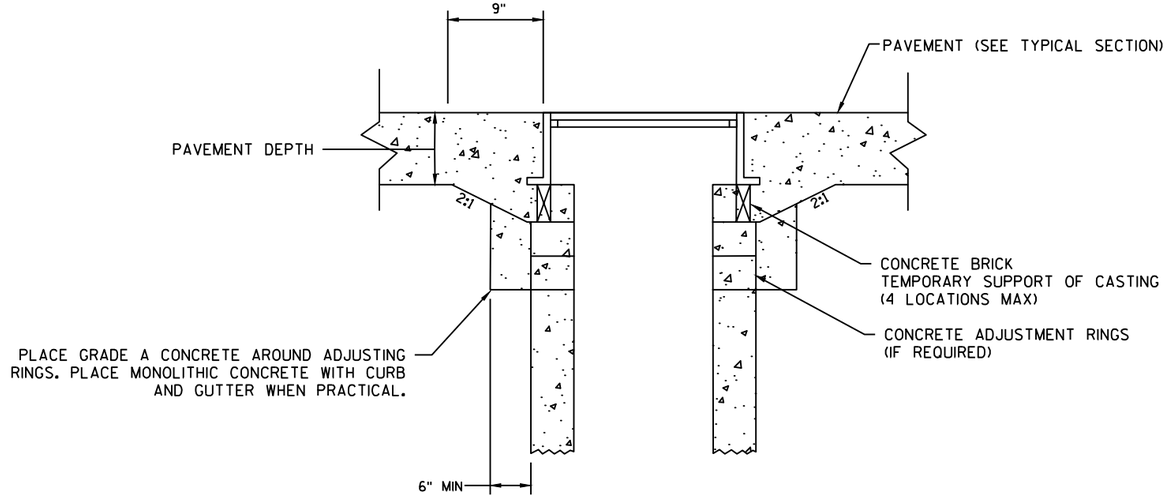


PLAN VIEW

NOTES

1. SEE SDD "INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S" FOR ADDITIONAL INFORMATION.
2. THE TWO 4-FOOT LENGTHS OF #4 REBAR ARE INCIDENTAL TO THE BID ITEM "INLET COVERS TYPE HM" AND "INLET COVERS TYPE HM-S".

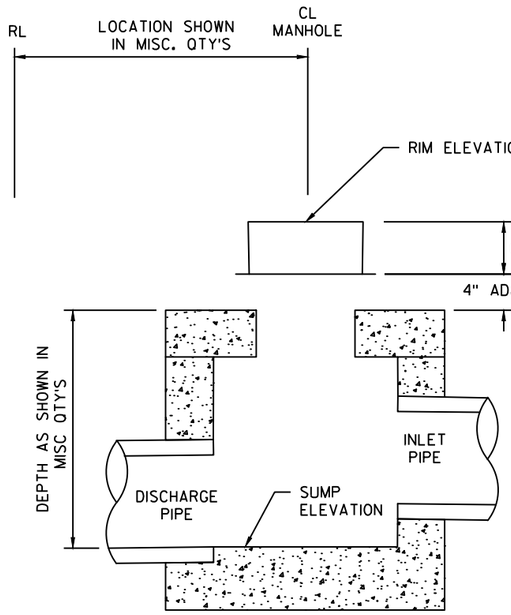
INLET COVERS, TYPE HM & HM-S



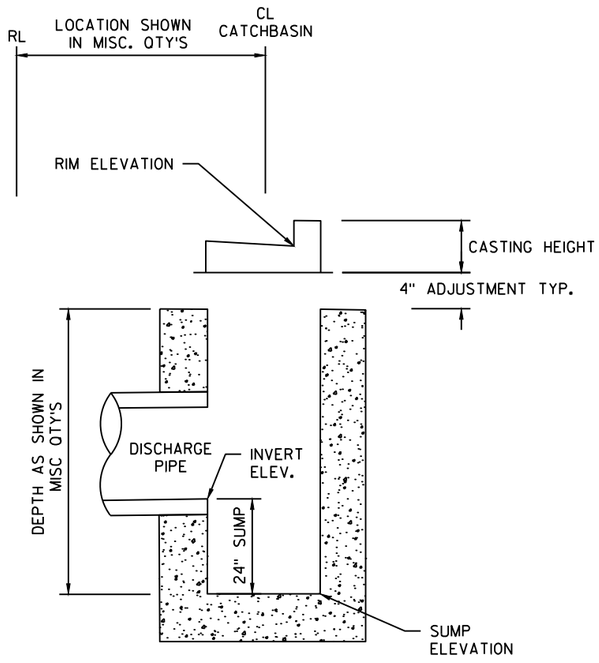
MONOLITHIC CONCRETE SHIMMING DETAIL

PROVIDE MONOLITHIC CONCRETE SHIMMING FOR ALL PROPOSED COVERS LOCATED IN CONCRETE PAVEMENT AND CONCRETE CURB & GUTTER.

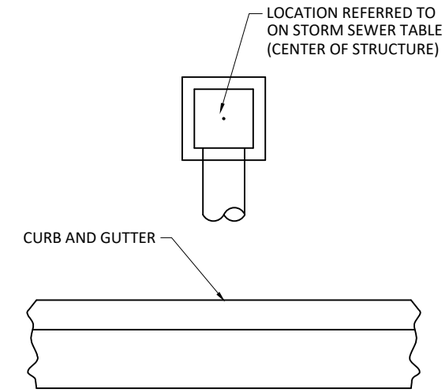
COST OF GRADE A CONCRETE AND CONCRETE BLOCK IS INCIDENTAL TO MANHOLE OR INLET BID ITEM



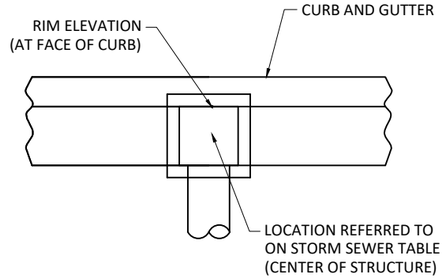
COMPUTING MANHOLE ELEVATIONS



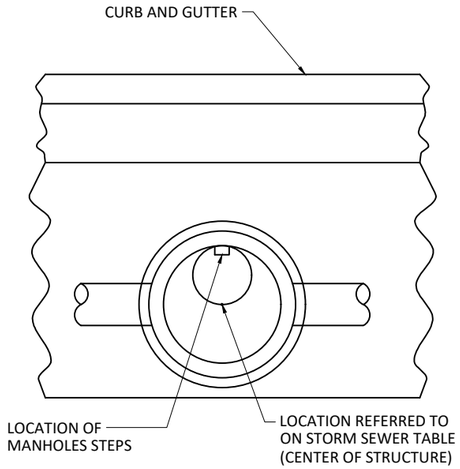
COMPUTING CATCHBASIN ELEVATIONS



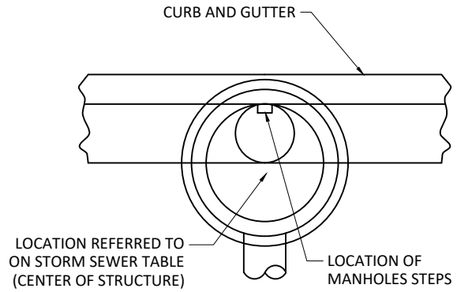
INLET NOT IN CURB AND GUTTER



INLET IN CURB AND GUTTER



MANHOLE NOT IN CURB AND GUTTER



MANHOLE IN CURB AND GUTTER

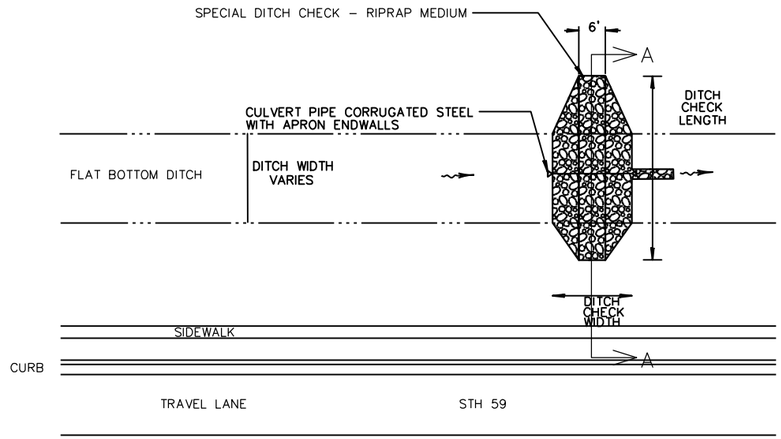
STRUCTURE LOCATION DETAIL

NOTE

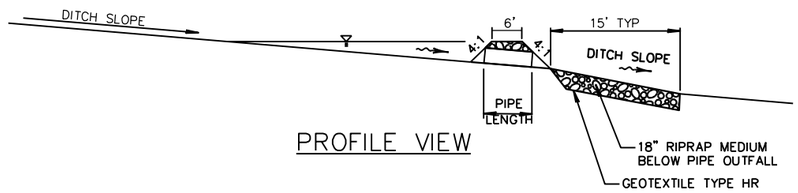
1) LOCATION OF STRUCTURE MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

2) LOCATION OF STRUCTURE OPENING DEPENDS ON TYPE OF CASTING. CASTING TYPES ARE SHOWN ON THE STORM SEWER TABLE.

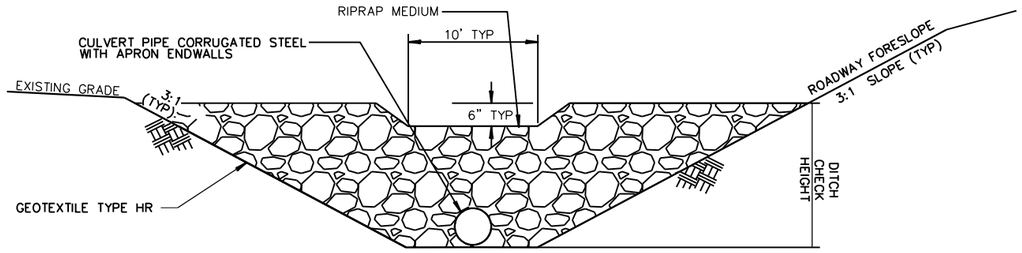
LOCATION (TO CENTER OF DITCH CHECK)	DITCH SLOPE	DITCH CHECK WIDTH	DITCH CHECK HEIGHT	DITCH CHECK LENGTH	PIPE SIZE X LENGTH
STA 135+35, 58.4' RT	0.3%	22'	2'	22.5'	1 – 12" CPCS



PLAN VIEW



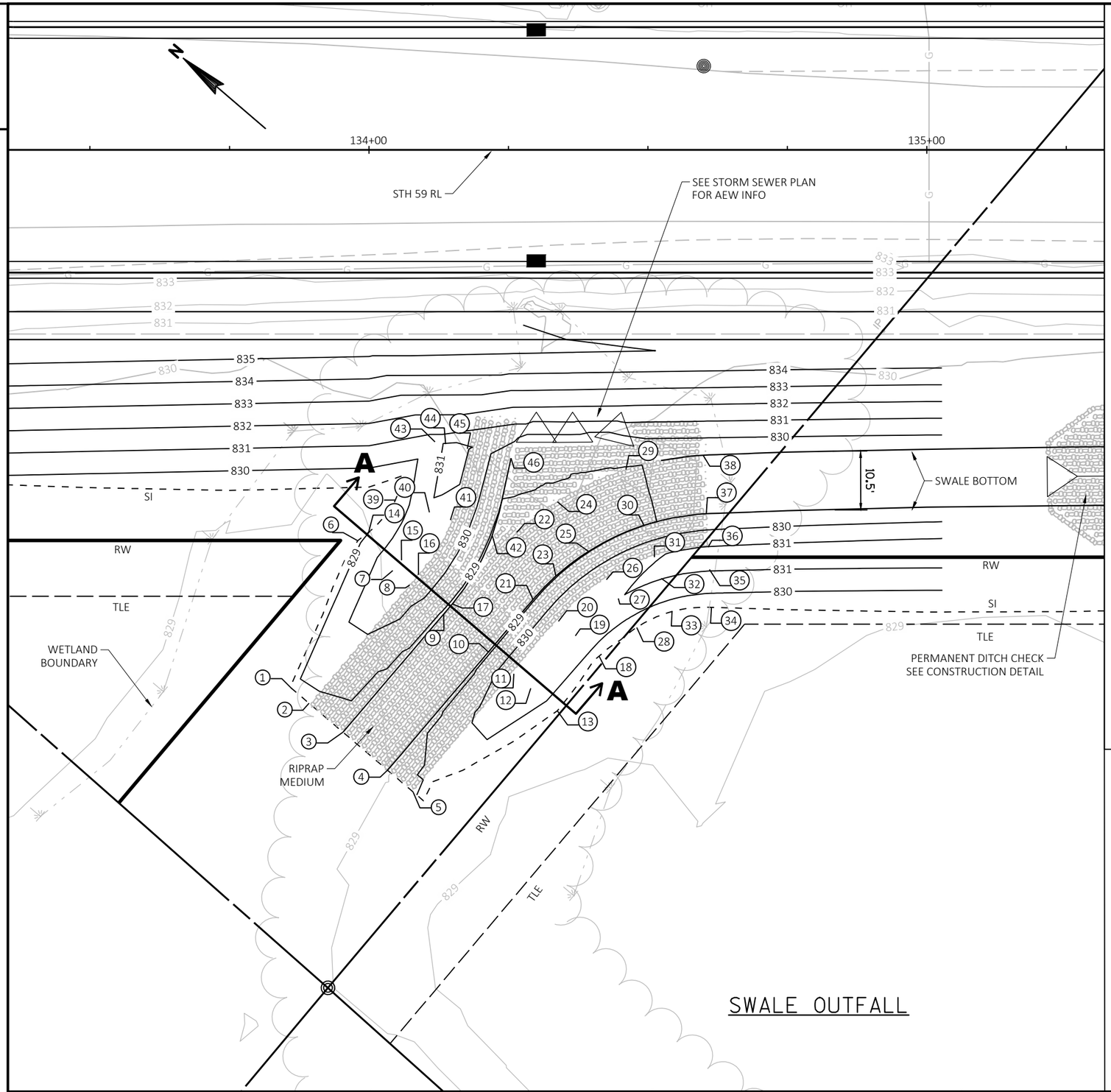
PROFILE VIEW



SECTION A–A

PERMANENT DITCH CHECK (NTS)

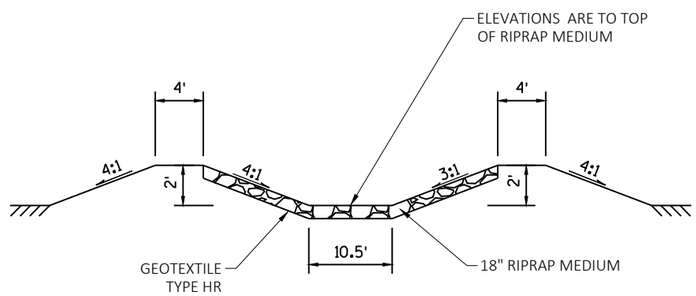
SEE TABLE FOR LOCATIONS AND DIMENSIONS.
SEE MISC. QTY'S AND CROSS SECTIONS FOR FURTHER INFORMATION.



SWALE OUTFALL

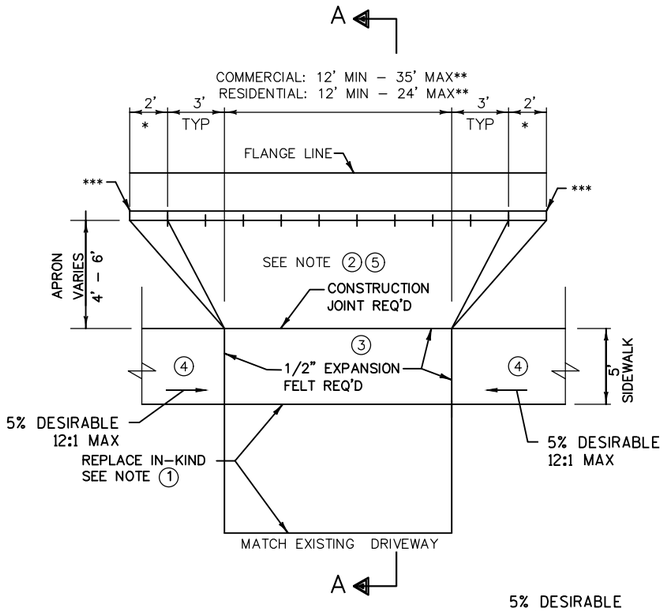
POINT TABLE			
POINT NAME	Y	X	ELEVATION
1	422372.919	718357.339	828.83
2	422368.919	718357.351	828.79
3	422360.919	718357.375	828.79
4	422350.420	718357.406	828.79
5	422344.420	718357.423	828.79
6	422381.237	718385.143	828.85
7	422373.002	718385.168	830.91
8	422369.002	718385.180	830.87
9	422361.002	718385.203	828.87
10	422350.502	718385.234	828.87
11	422344.502	718385.252	830.86
12	422340.502	718385.264	830.90
13	422334.256	718385.282	829.34
14	422380.756	718387.548	828.98
15	422373.009	718387.571	830.92
16	422369.009	718387.583	830.88
17	422361.009	718387.606	828.88
18	422334.983	718397.613	829.56
19	422340.538	718397.596	830.95
20	422344.538	718397.584	830.91
21	422350.538	718397.566	828.91
22	422360.570	718404.832	828.93
23	422350.160	718403.457	828.93

POINT TABLE			
POINT NAME	Y	X	ELEVATION
24	422358.631	718413.717	828.95
25	422348.595	718410.630	828.95
26	422342.860	718408.867	830.95
27	422339.037	718407.691	830.99
28	422333.173	718405.888	829.46
29	422353.042	718426.117	828.99
30	422344.082	718420.642	828.99
31	422338.963	718417.513	830.99
32	422335.550	718415.427	831.03
33	422330.227	718412.174	829.47
34	422325.358	718417.355	829.37
35	422330.051	718422.256	831.07
36	422332.817	718425.146	831.03
37	422336.966	718429.480	829.03
38	422344.227	718437.064	829.03
39	422380.826	718395.094	829.35
40	422374.808	718397.362	830.96
41	422371.065	718398.773	830.92
42	422363.579	718401.594	828.92
43	422382.260	718407.619	830.63
44	422380.568	718408.536	831.11
45	422377.051	718410.442	831.07
46	422370.018	718414.253	829.09



SECTION A-A

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CONSTRUCTION DETAILS	SHEET 16	E



5% DESIRABLE
12:1 MAX

PLAN VIEW

(1) DRIVEWAY SURFACE BEYOND APRON OR SIDEWALK SHALL BE REPLACED IN-KIND WITH A MINIMUM SECTION OF:

4" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
OR
6" BASE AGGREGATE DENSE 3/4-INCH.

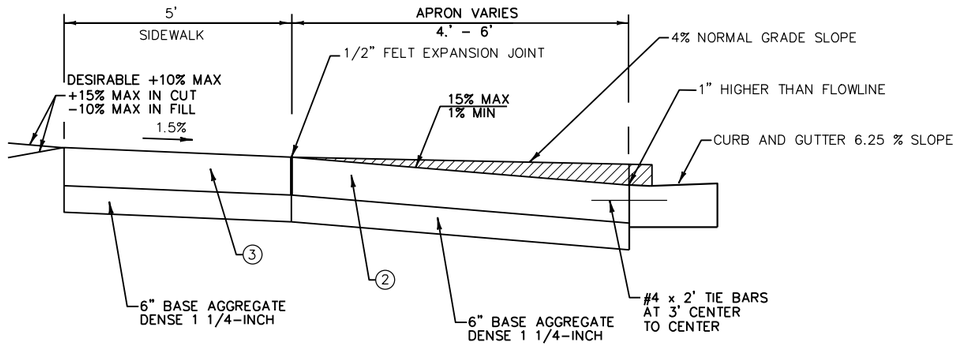
(2) ALL DRIVEWAYS TO BACK OF APRON SHALL BE MINIMUM 7" CONCRETE DRIVEWAY
(SEE PLAN FOR LOCATIONS REQUIRING CONCRETE DRIVEWAY 9-INCH)

(3) CONCRETE DRIVEWAY 7-INCH TO BACK OF SIDEWALK.
(SEE PLAN FOR LOCATIONS REQUIRING CONCRETE DRIVEWAY 9-INCH)

(4) SIDEWALK TO BE PAID FOR AS CONCRETE SIDEWALK 5-INCH AND 4" BASE AGGREGATE DENSE 1 1/4-INCH.

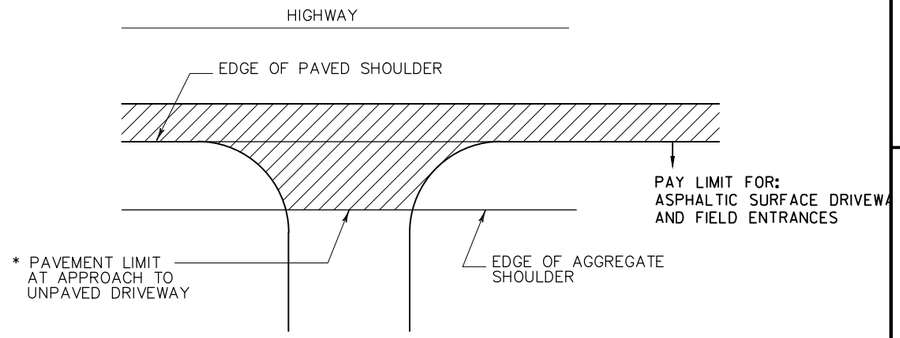
(5) CONTRACTION JOINTS IN DRIVEWAY APRON TO MATCH CURB AND GUTTER JOINTS

* TAPER CURB HEAD
** SEE PLAN DETAILS FOR WIDTH REQ'D
*** STATION SHOWN ON PLAN DETAILS



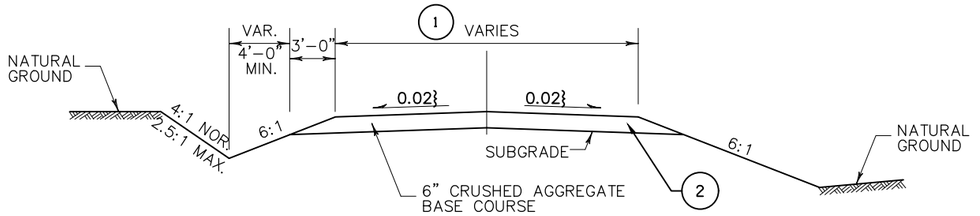
SECTION A–A

URBAN DRIVEWAY DETAIL



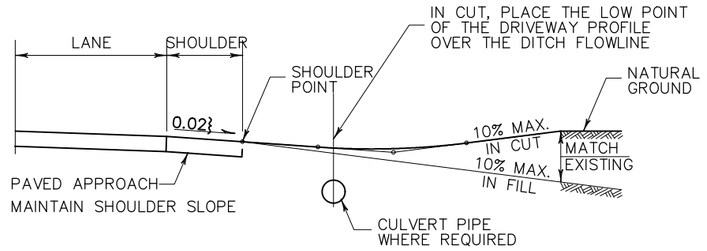
* WHERE DRIVEWAY IS PAVED, APPROACH PAVEMENT SHOULD BE EXTENDED TO MATCH DRIVEWAY PAVEMENT.

PLAN VIEW



IN CUT IN FILL

TYPICAL CROSS SECTION



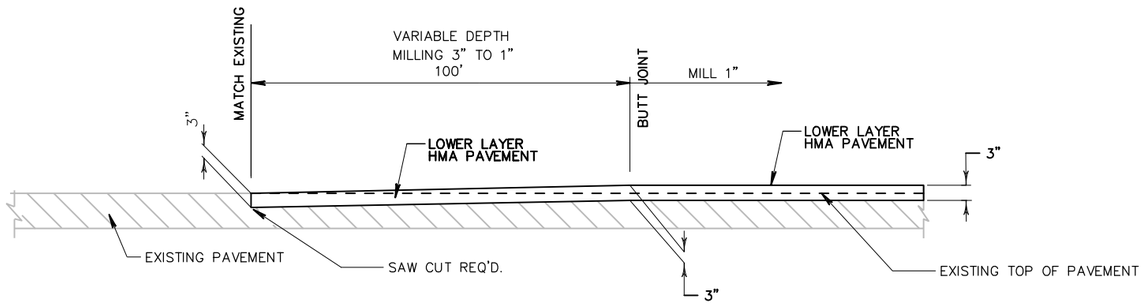
TYPICAL PROFILE

(1) DRIVEWAY WIDTHS:
COMMERCIAL, 35' MAX, 12' MIN
NON-COMMERCIAL 24' MAX, 12' MIN
SEE PLAN DETAILS FOR WIDTH REQUIRED

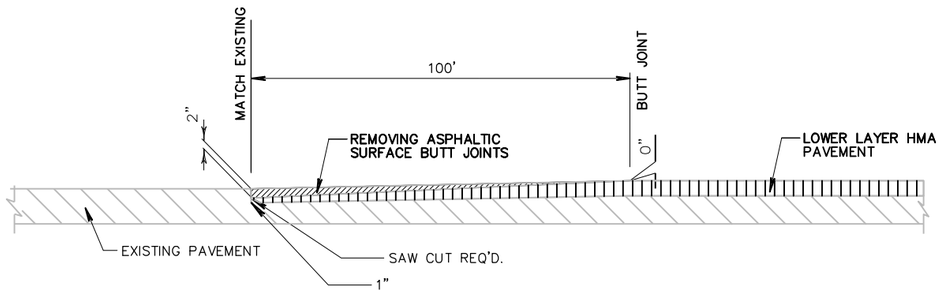
(2) DRIVEWAY SURFACE SHALL BE PLACED IN-KIND WITH MINIMUM SECTION OF:
ASPHALT - 4" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES ON 6" BASE AGGREGATE DENSE 1¼-INCH BASE AGGREGATE DENSE - 6" BASE AGGREGATE DENSE ¾-INCH

RURAL DRIVEWAY DETAIL

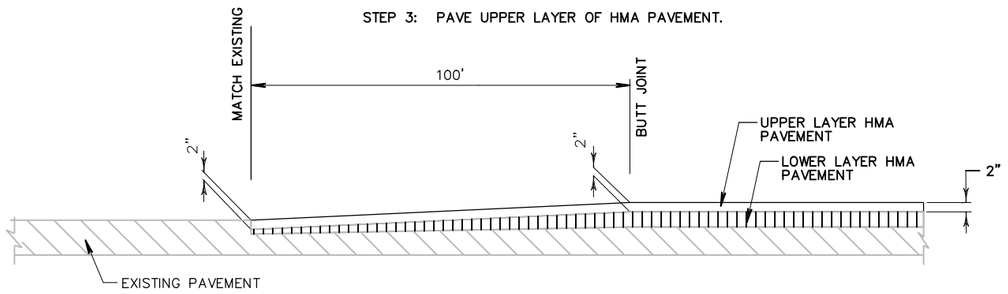
STEP 1: SAWCUT AT MATCHPOINT.
VARIABLE DEPTH MILLING. (PAID AS REMOVING ASPHALTIC SURFACE MILLING)
PAVE LOWER LAYER OF HMA PAVEMENT.



STEP 2: MILL BUTT JOINT INTO LOWER LAYER HMA PAVEMENT.

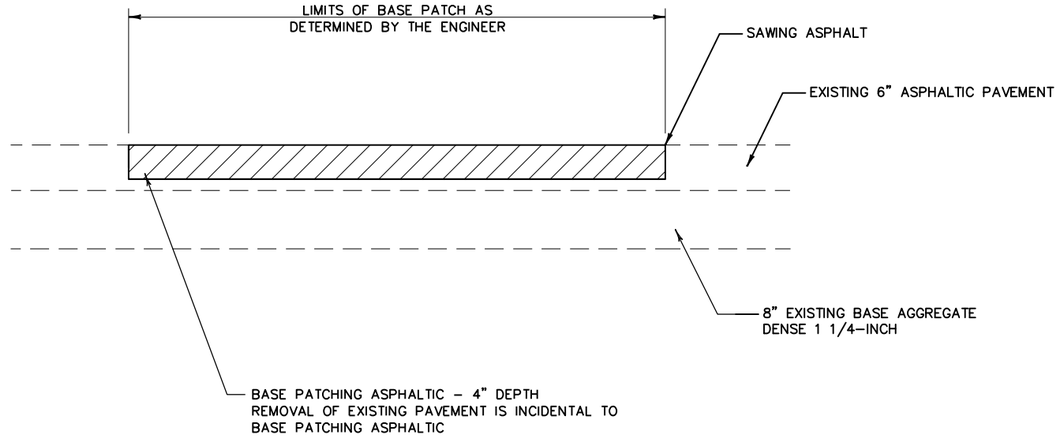


STEP 3: PAVE UPPER LAYER OF HMA PAVEMENT.



BUTT JOINT DETAIL

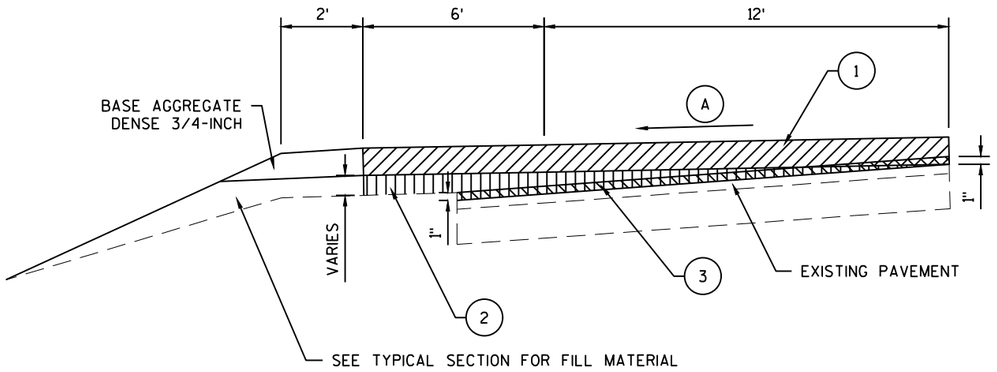
*EXACT DIMENSIONS TO BE DETERMINED
BY ENGINEER IN THE FIELD.
STA. 171+25
COX ROAD



STH 59 BASE PATCHING

STA. 155+25 - STA. 171+25

NOTE: PERFORM BASE PATCHING PRIOR TO 1" MILLING ASPHALTIC SURFACE.
FOR BASE PATCHES AT SIGNAL LOOPS, REMOVE ENTIRE DEPTH OF EXISTING PAVEMENT. BACKFILL WITH BASE AGGREGATE DENSE 1 1/4-INCH AND 4" BASE PATCHING ASPHALTIC



1 HMA PAVEMENT - SEE TYPICAL SECTION FOR THICKNESS

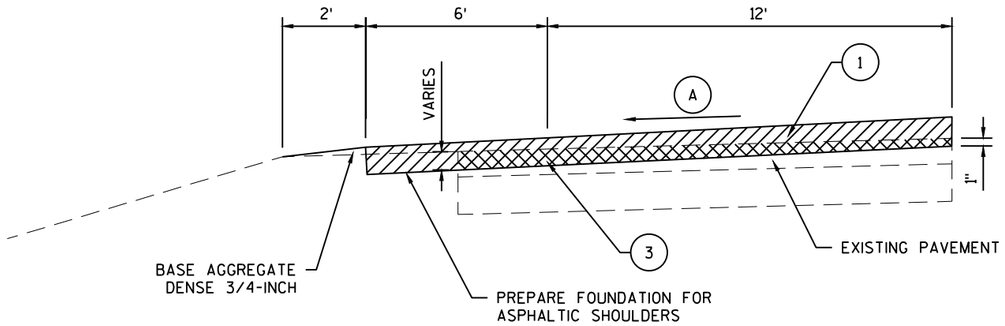
2 ASPHALT WEDGING (PAID AS HMA PAVEMENT)

3 REMOVING ASPHALTIC SURFACE MILLING (1" MINIMUM)

A PAVEMENT CROSS-SLOPE FROM SUPER ELEVATION TABLES OR AS DIRECTED BY THE ENGINEER

CROSS-SLOPE CORRECTION - WEDGE

SEE SUPER ELEVATION TABLES ON ALIGNMENT LAYOUT SHEETS FOR SUPER ELEVATION RATE



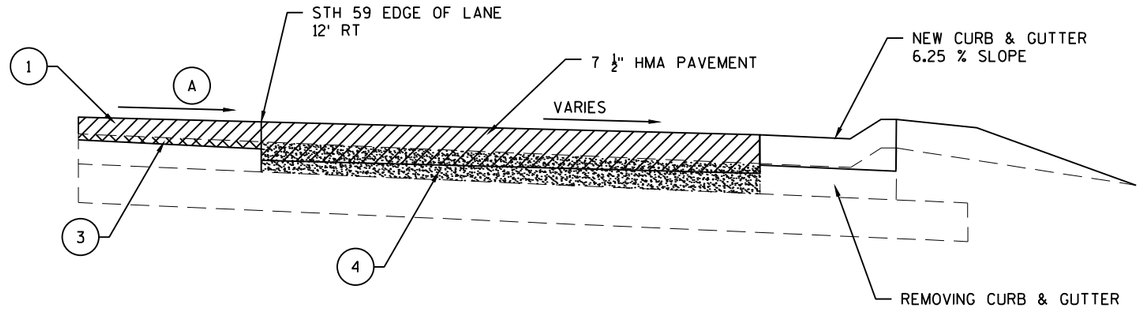
1 HMA PAVEMENT - SEE TYPICAL SECTION FOR THICKNESS

3 REMOVING ASPHALTIC SURFACE MILLING (1" MINIMUM)

A PAVEMENT CROSS-SLOPE FROM SUPER ELEVATION TABLES OR AS DIRECTED BY THE ENGINEER

CROSS-SLOPE CORRECTION - MILL

SEE SUPER ELEVATION TABLES ON ALIGNMENT LAYOUT SHEETS FOR SUPER ELEVATION RATE



1 HMA PAVEMENT - SEE SEE TYPICAL SECTION FOR THICKNESS

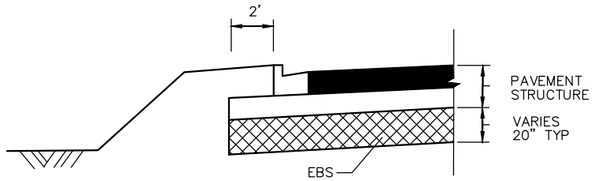
3 REMOVING ASPHALTIC SURFACE MILLING (1" MINIMUM)

4 REMOVING ASPHALTIC SURFACE

A PAVEMENT CROSS-SLOPE FROM SUPER ELEVATION TABLES OR AS DIRECTED BY THE ENGINEER

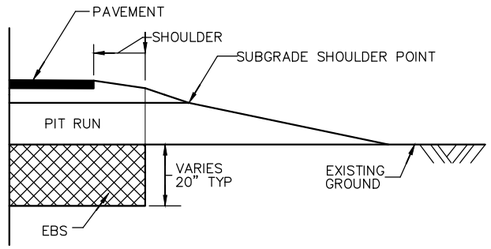
REMOVAL AREA - COX ROAD

FILL AREA BELOW PROPOSED HMA PAVEMENT AND CURB & GUTTER CREATED BY REMOVING ASPHALTIC SURFACE AND REMOVING CONCRETE CURB & GUTTER WITH BASE AGGREGATE DENSE 1 1/4-INCH



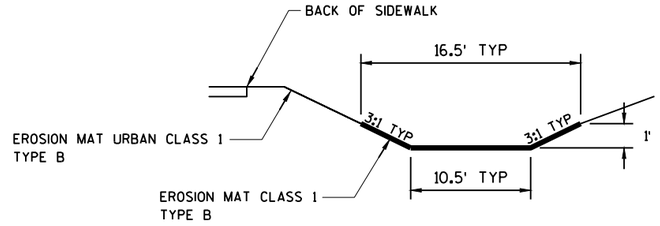
NOTES:
1. USE AS DIRECTED BY ENGINEER FOR AREAS OF UNSTABLE SUBGRADE.
2. EBS SHALL BE PAID FOR AS EXCAVATION COMMON. UNDISTRIBUTED AMOUNT LISTED IN EARTHWORK SUMMARY.
3. FILL VOID WITH PIT RUN.

EXCAVATION BELOW SUBGRADE (EBS) – URBAN



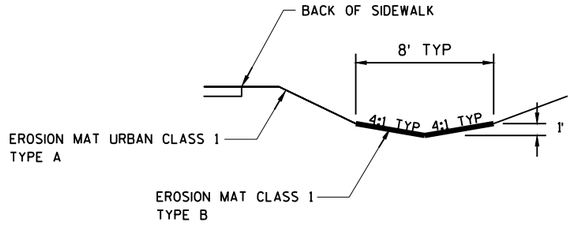
NOTES:
1. EBS SHALL BE PAID FOR AS EXCAVATION COMMON. UNDISTRIBUTED AMOUNT LISTED IN EARTHWORK SUMMARY.
2. EXACT LOCATIONS AND EXTENT OF EBS SECTIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
3. FILL VOID WITH PIT RUN.
4. UNDERDRAIN TO BE INSTALLED AT LOW POINTS, DAYLIGHT TO DITCH.

EXCAVATION BELOW SUBGRADE (EBS) - RURAL



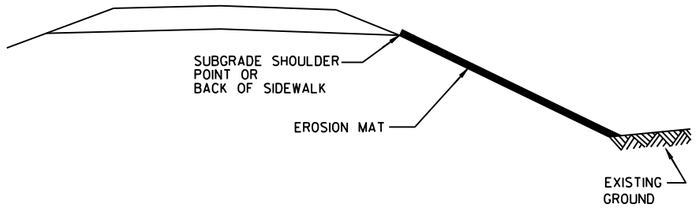
EROSION MAT DETAIL FOR FLAT BOTTOM DITCHES

SEE EROSION CONTROL PLAN FOR LOCATIONS



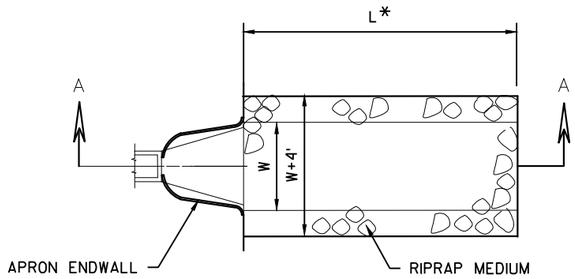
EROSION MAT DETAIL FOR V BOTTOM DITCHES

SEE EROSION CONTROL PLAN FOR LOCATIONS



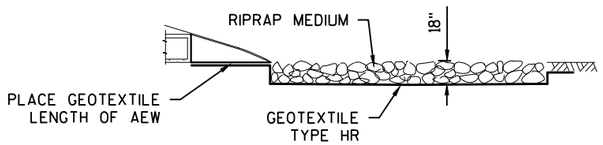
EROSION MAT DETAIL FOR SLOPES

SEE EROSION CONTROL PLAN FOR LOCATIONS



PLAN VIEW

*L = 3 x DIAMETER (NOR.) OR 10' MIN. OR AS DIRECTED BY THE ENGINEER.



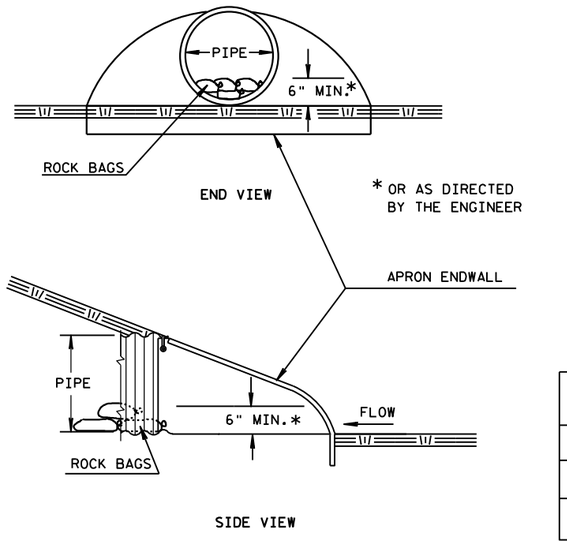
SECTION A–A

RIPRAP AT APRON ENDWALLS

RUNOFF COEFFICIENT TABLE

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

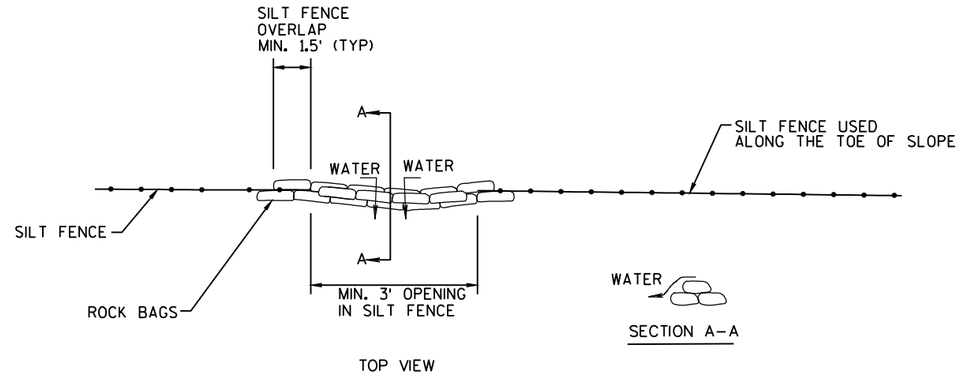
TOTAL PROJECT AREA = 18.04 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 13.84 ACRES



PIPE SIZE (IN)	* BAGS
12	1
21-24	2
48	6

CULVERT PIPE CHECKS

ROCK BAGS

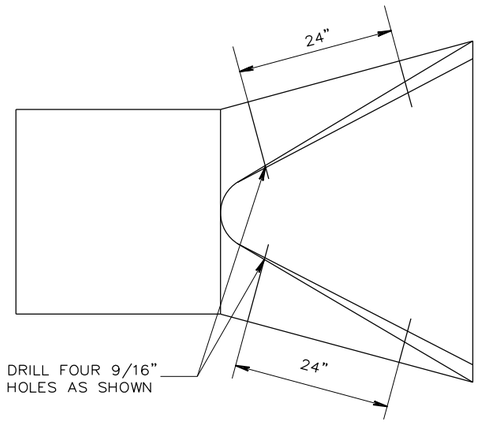


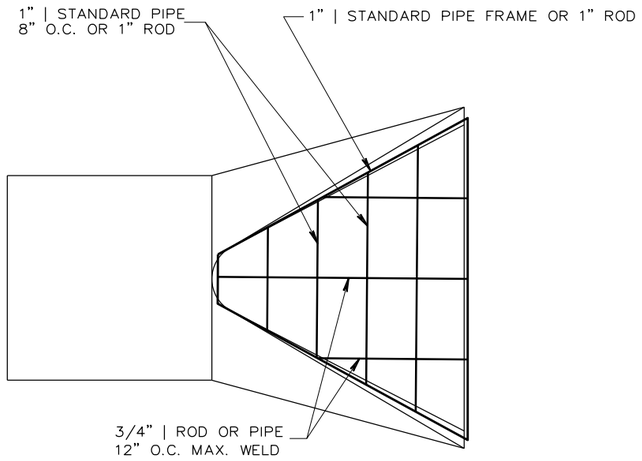
TOP VIEW

SECTION A–A

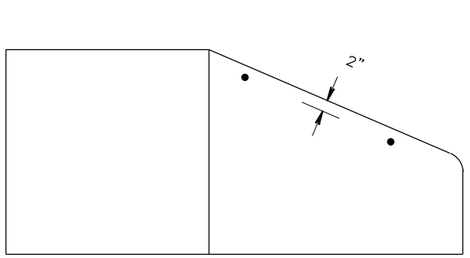
ROCK BAGS USED FOR SILT FENCE RELIEF DETAIL

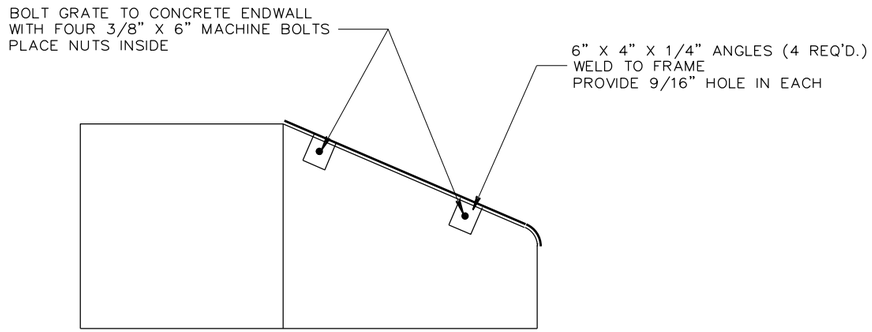
AT LOCATIONS AS DIRECTED BY THE ENGINEER IN THE FIELD

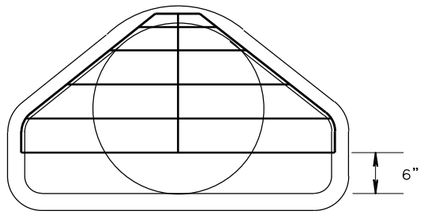




AT EACH PIPE

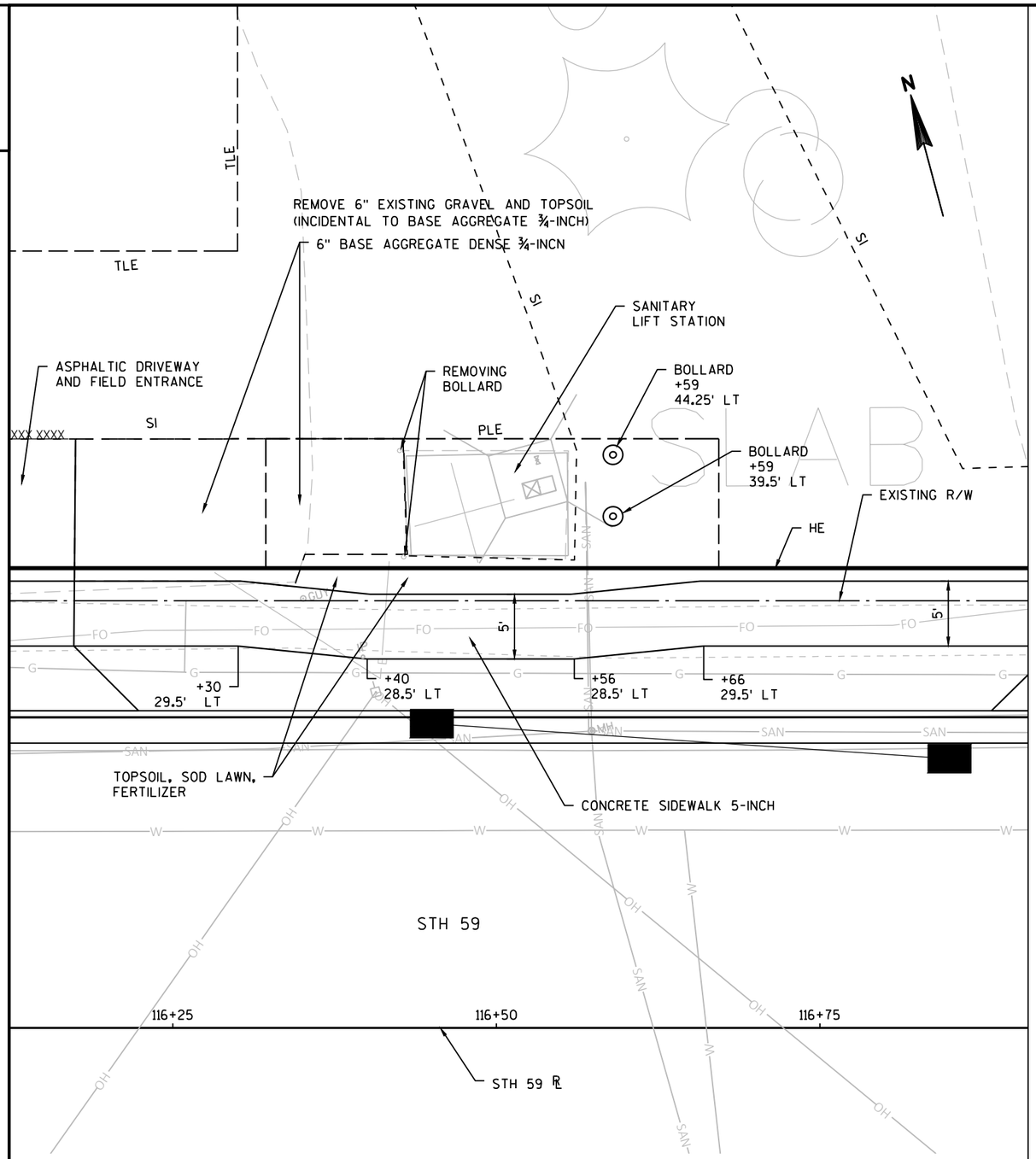




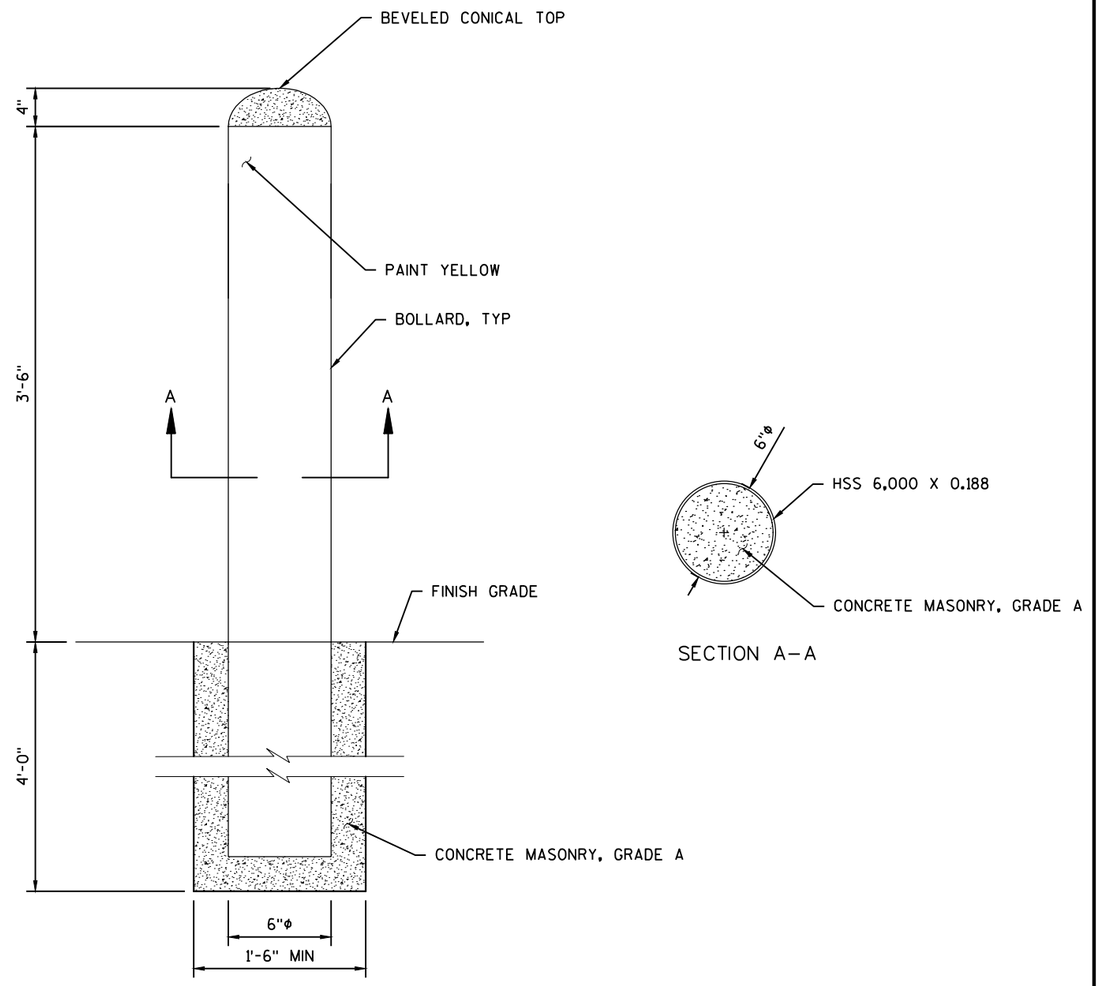


PIPE GRATE DETAIL

48" DIAM.



SANITARY LIFT STATION
STA 116+50 LT



SECTION A–A

ELEVATION

BOLLARD DETAIL

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CONSTRUCTION DETAILS	SHEET 23	E

2

LEGEND

1. 2" X 11/2" X 3/16" STRUCTURAL TUBING CONFORMING TO ASTM DESIGNATION A501 OR A500 GRADE B. NOTE: RAILS TO BE PARALLEL WITH TOP OF SIDEWALK
2. TS 2" X 2" X 3/16" STRUCTURAL TUBING CONFORMING TO ASTM DESIGNATION A501 OR A500 GRADE B. CUT BOTTOM OF POST TO MATCH SLOPE OF TOP OF SIDEWALK. HOLD 1/16" ABOVE BASE PLATE TO ALLOW POST AND BASE PLATE TO BE WELDED TOGETHER. PLACE POST VERTICAL AND CENTERED ON BASE PLATE.
3. TS 1" X 1" X 1/8" STRUCTURAL TUBING CONFORMING TO ASTM DESIGNATION A501 OR A500 GRADE B. NOTE: PLACE TUBING VERTICAL, TUBING WILL BE PERPENDICULAR TO RAILS ONLY WHEN SIDEWALK IS LEVEL.
4. BASE PLATE 1/2" X 4" X 7" CONFORMING TO ASTM DESIGNATION A709 GRADE 36 WITH 3/4" X 11/2" SLOTTED HOLES FOR HEX BOLTS NO. 6 WELD TO NO. 2 AS SHOWN.
5. ADHESIVE ANCHORS 5/8 INCH, STAINLESS STEEL ANCHOR BOLTS, NUTS, AND WASHERS. PULLOUT STRENGTH SHALL BE 4 kips. TWO REQUIRED PER POST. PLACE NORMAL TO PLATE NO. 4. EMBED 5" MIN.
6. 2" X 1" X 3/16" STRUCTURAL TUBING CONFORMING TO ASTM DESIGNATION A501 OR A500 GRADE B. PLACE VERTICAL.

GENERAL NOTES

THE ITEM PEDESTRIAN RAILING SHALL INCLUDE ALL WORK SHOWN, INCLUDING CONCRETE BASES, ANCHORAGES, AND PAINTING.

FINAL LOCATIONS OF THE RAILING POSTS, THE CONCRETE BASES FOR STEEL RAILING AND SIDEWALK ELEVATIONS SHALL BE VERIFIED PRIOR TO FABRICATION AND INSTALLATION OF RAILING.

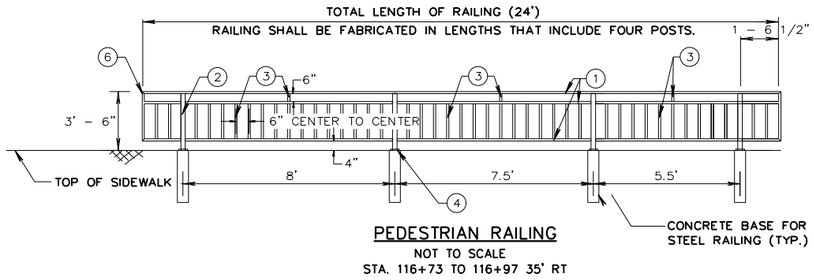
POST BASE PLATES NO. 4 SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

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

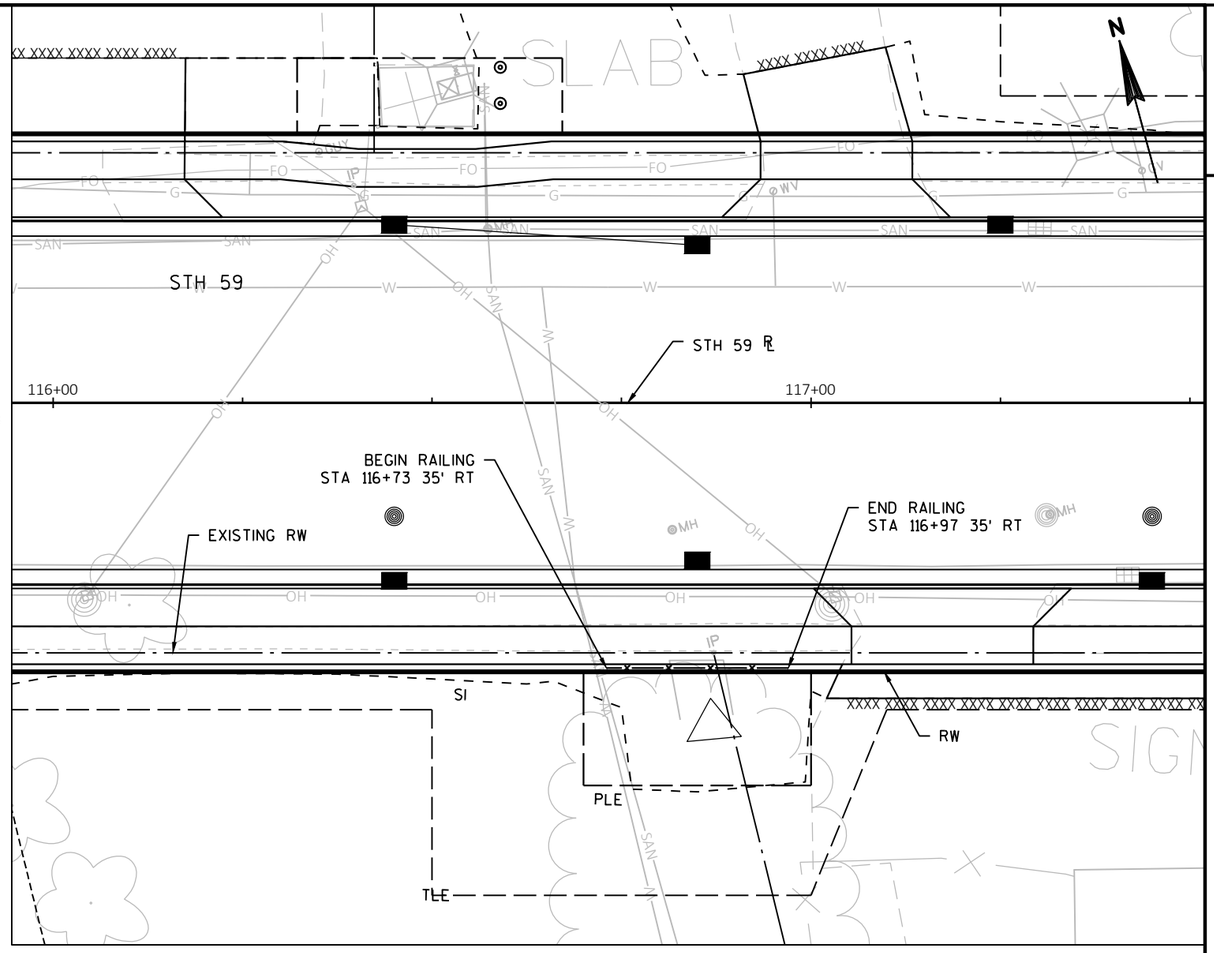
1/4" | VENT HOLES LOCATED IN BOTTOM OF HORIZONTAL RAILS AT RAIL POSTS AND AT LOW END OF RAILING.

ALL MATERIALS EXCEPT ANCHOR BOLTS NO. 5, SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE RAILING SHALL BE BRUSH BLASTED ACCORDING TO SSPC-SP16. THE RAILING SHALL BE PAINTED FEDERAL COLOR NO. 27038 (BLACK).

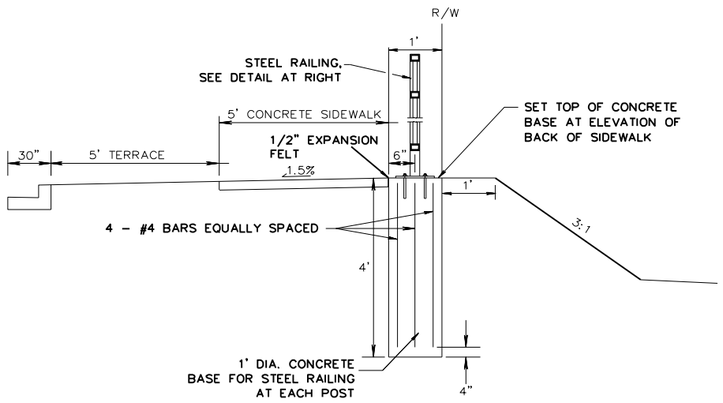
TOUCH-UP TO BE DONE AT COMPLETION OF PEDESTRIAN RAILING INSTALLATION AS DIRECTED BY THE ENGINEER AND INCIDENTTAL TO ITEM "PEDESTRIAN RAILING."



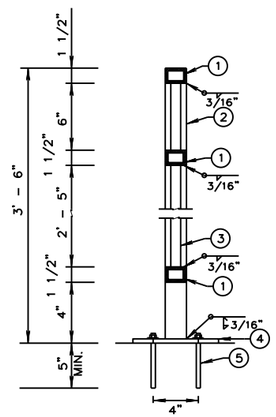
PEDESTRIAN RAILING
NOT TO SCALE
STA. 116+73 TO 116+97 35' RT



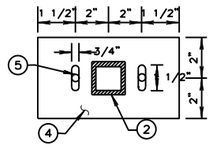
PEDESTRIAN RAILING PLAN VIEW



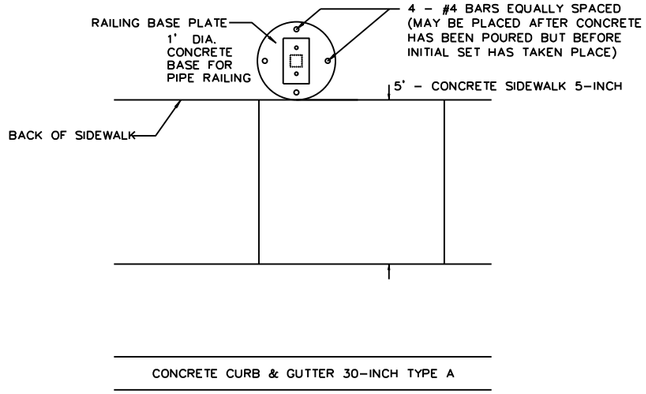
DETAIL FOR MOUNTING PEDESTRIAN RAILING ADJACENT TO SIDEWALK



SECTION THROUGH RAILING

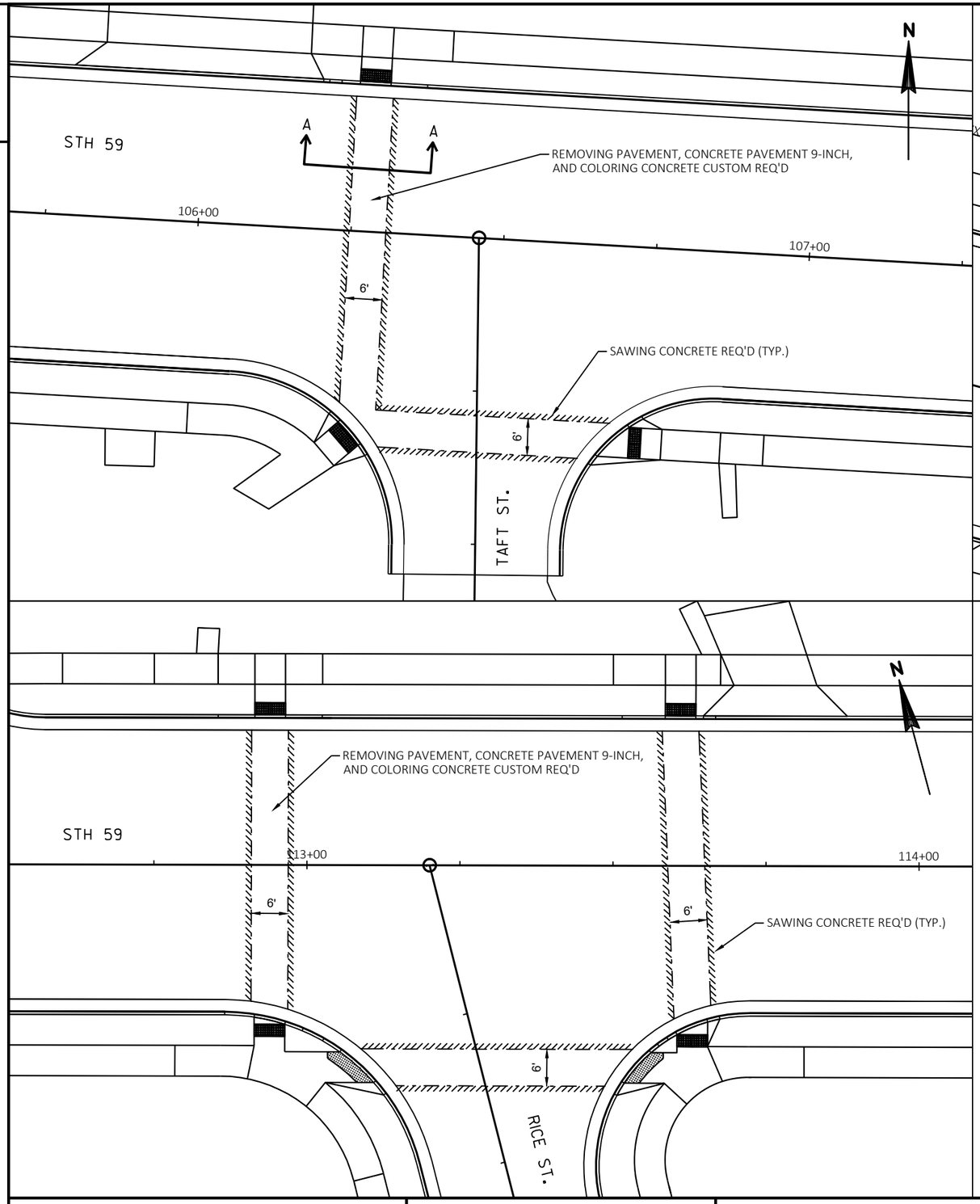


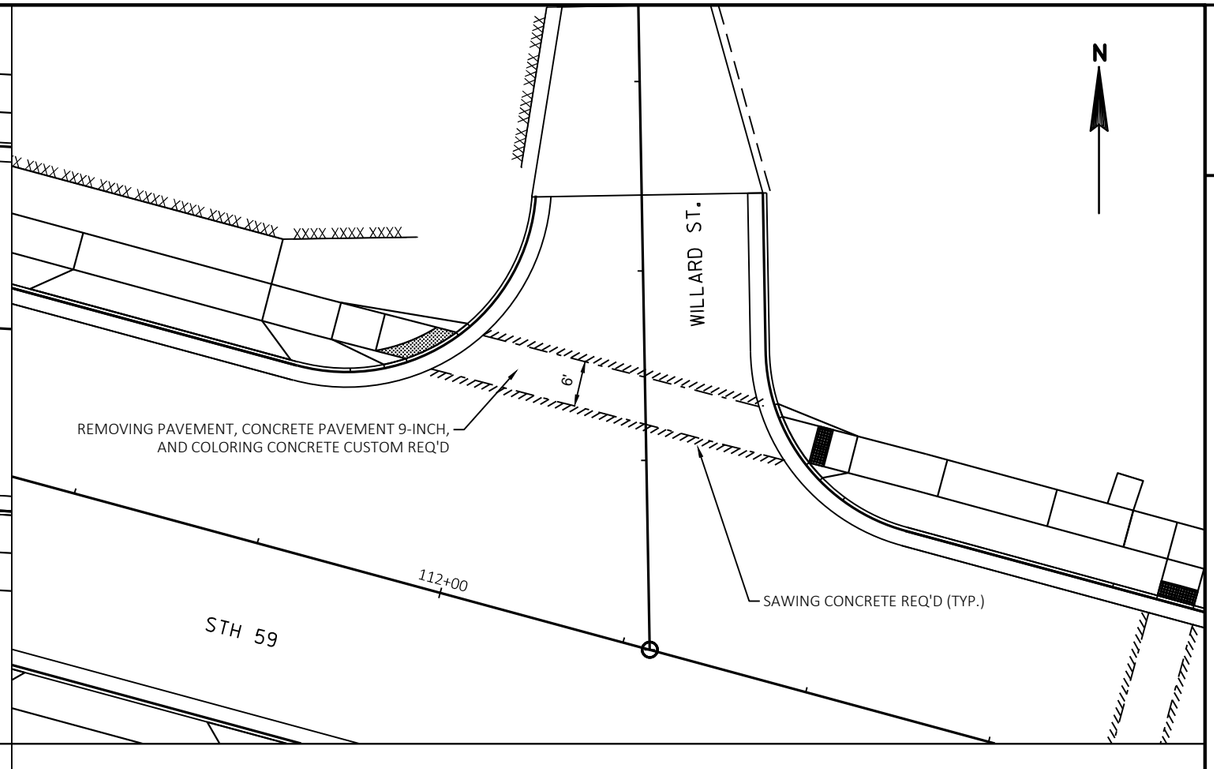
RAILING BASE PLATE

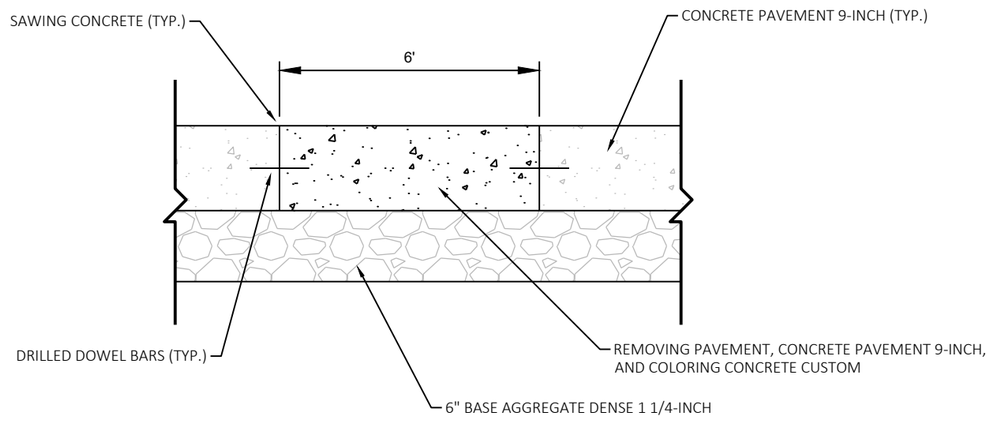


PLAN

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CONSTRUCTION DETAILS	SHEET 24	E







SECTION A-A

COLORED CROSSWALK DETAIL

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CONSTRUCTION DETAILS	SHEET 25	E

FILE NAME : N:\PDS\C3D\CAD\31100201\021005_CD.DWG
LAYOUT NAME - 14_cd
PLOT DATE : 3/14/2018 9:44 AM
PLOT BY : GUENETTE, JEFFREY J
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

2

N

SEE PROJECT 3110-06-70 FOR
STORM SEWER REMOVAL INFORMATION

39' LT
XXXX XXXX

43' LT
XXXX XXXX XXXX

STH 59

102+00 103+00 104+00 105+00 106+00 107+00 108+

+75

45' RT

42' RT
XXXX XXXX XXXX XXXX
42' RT

40' RT
40' RT

43' RT

XXXX XXXX
+25

9+00

TAFT STREET

SIGN

LEGEND

- REMOVING PAVEMENT
- REMOVING ASPHALTIC SURFACE BUTT JOINTS
- REMOVING ASPHALTIC SURFACE MILLING
- REMOVING CONCRETE SIDEWALK
- CLEARING AND GRUBBING AREA
- X CLEARING AND GRUBBING (ID)
- REMOVING CURB & GUTTER
- XXXX SAWING

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	REMOVAL PLAN	SHEET 26	E

FILE NAME : N:\PDS\C3D\CAD\31100201\021101_RM.DWG
LAYOUT NAME - 021001_rm

PLOT DATE : 3/14/2018 1:45 PM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

WILLARD STREET

STH 59

108+00 109+00 110+00 111+00 112+00 113+00 114+00

21+00

29+00

+85

+92

RICE STREET

REMOVING CURB & GUTTER

REMOVING CATCH BASIN

REMOVING MANHOLE

REMOVING CATCH BASIN

REMOVING STORM SEWER 18-INCH

REMOVING STORM SEWER 12-INCH

REMOVING STORM SEWER 12-INCH

REMOVING CATCH BASIN

REMOVING STORM SEWER 15-INCH

REMOVING MANHOLE

REMOVING STORM SEWER 15-INCH

REMOVING MANHOLE

REMOVING CATCH BASIN

REMOVING MANHOLE

36' LT

39' LT

38' LT

40' LT

44' LT

39' LT

43' LT

43' RT

42' RT

47' RT

38' RT

41' RT

27' RT

XXXX XXXX XXXX

XXXX XXXX XXXX XXXX XXXX XXXX XXXX

XXXX

XXXX XXXX

XXXX XXXX XXXX

XXXX XXXX

SIGN

SIGN

LEGEND

- REMOVING PAVEMENT
- REMOVING ASPHALTIC SURFACE BUTT JOINTS
- REMOVING ASPHALTIC SURFACE MILLING
- REMOVING CONCRETE SIDEWALK
- CLEARING AND GRUBBING AREA
- X CLEARING AND GRUBBING (ID)
- REMOVING CURB & GUTTER
- XXXX SAWING

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	REMOVAL PLAN	SHEET 27	E

FILE NAME : N:\PDS\C3D\CAD\31100201\021101_RM.DWG
LAYOUT NAME - 021002_rm

PLOT DATE : 3/14/2018 1:45 PM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

REMOVING INLET

REMOVING STORM SEWER 48-INCH

REMOVING STORM SEWER 36-INCH

REMOVING CATCH BASIN

REMOVING MANHOLE

REMOVING MANHOLE

REMOVING STORM SEWER 36-INCH

REMOVING STORM SEWER 12-INCH

EXISTING STORM SEWER TO REMAIN

REMOVING CATCH BASIN

99' LT

REMOVING MASONEY

47' LT

45' LT

REMOVING STORM SEWER 12-INCH

REMOVING CATCH BASIN

40' LT

39' LT

REMOVING CATCH BASIN

118+00

119+00

117+00

STH 59

116+00

REMOVING MANHOLE

+90, 34' RT

+00, 40' RT

115+00

+80, 34' RT

114+00

42' RT

40' RT

REMOVING MANHOLE

41' RT

120+00

39' RT

+75, 40' RT

+00, 51' RT

+76, 52' RT

REMOVING MASONRY

REMOVING STORM SEWER 21-INCH

REMOVE MODULAR BLOCKS WITHIN RW

REMOVING CATCH BASIN

REMOVING STORM SEWER 12-INCH

REMOVING STORM SEWER 21-INCH

REMOVING CATCH BASIN

REMOVING STORM SEWER 12-INCH

REMOVING MANHOLE

REMOVING CATCH BASIN

REMOVING MANHOLE

REMOVING STORM SEWER 18-INCH

EXISTING 18-INCH STORM SEWER TO REMAIN

REMOVING STORM SEWER 12-INCH

27' RT

LEGEND

- REMOVING PAVEMENT
- REMOVING ASPHALTIC SURFACE BUTT JOINTS
- REMOVING ASPHALTIC SURFACE MILLING
- REMOVING CONCRETE SIDEWALK
- CLEARING AND GRUBBING AREA
- X CLEARING AND GRUBBING (ID)
- REMOVING CURB & GUTTER
- XXXX SAWING

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	REMOVAL PLAN	SHEET 28	E

FILE NAME : N:\PDS\C3D\CAD\31100201\021101_RM.DWG
LAYOUT NAME - 021003_rm

PLOT DATE : 3/14/2018 1:45 PM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

BLUFF ROAD

STH 59

CLAY STREET

120+00
121+00
122+00
123+00
124+00
125+00
126+00
+50
+65

55'
10'

LEGEND

- REMOVING PAVEMENT
- REMOVING ASPHALTIC SURFACE BUTT JOINTS
- REMOVING ASPHALTIC SURFACE MILLING
- REMOVING CONCRETE SIDEWALK
- CLEARING AND GRUBBING AREA
- X CLEARING AND GRUBBING (ID) REMOVING CURB & GUTTER
- SAWING
- XXXX

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	REMOVAL PLAN	SHEET 29	E

FILE NAME : N:\PDS\C3D\CAD\31100201\021101_RM.DWG
LAYOUT NAME - 021004_rm

PLOT DATE : 3/14/2018 1:45 PM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

REMOVING CATCH BASIN

39' LT

45' LT

SIGN

SIGN

W

SAN

MH

OH

G

SS

STH 59

126+00

127+00

128+00

129+00

130+00

131+00

132+00

+21

REMOVING STORM SEWER
12-INCH

REMOVING MANHOLE

REMOVING STORM SEWER
15-INCH

REMOVING CATCH BASIN

LEGEND

REMOVING PAVEMENT

REMOVING ASPHALTIC SURFACE BUTT JOINTS

REMOVING ASPHALTIC SURFACE MILLING

REMOVING CONCRETE SIDEWALK

CLEARING AND GRUBBING AREA

X CLEARING AND GRUBBING (ID)

REMOVING CURB & GUTTER

XXXX SAWING

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	REMOVAL PLAN	SHEET 30	E

FILE NAME : N:\PDS\C3D\CAD\31100201\021101_RM.DWG
LAYOUT NAME - 021005_rm

PLOT DATE : 3/14/2018 1:45 PM

PLOT BY : GUENETTE, JEFFREY J

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

SUNRISE LANE

2+00

1+00

XXXX XXXX

+25

REMOVING SMALL PIPE CULVERTS 18" CMCP

REMOVING CATCH BASIN

REMOVING MANHOLE

+28

REMOVING OLD STRUCTURE STA. 134+32
2'X2' CONCRETE BOX CULVERT
WITH 18" CMCP EXTENSIONS

SIGN

SIGN

REMOVING MANHOLE

132+00 133+00 134+00 135+00 STH 59 136+00 137+00 138+00

11'

11'

REMOVING STORM SEWER 24-INCH

REMOVING STORM SEWER 12-INCH

REMOVING CATCH BASIN

REMOVING STORM SEWER 15-INCH

+93, 22' RT

+91, 22' RT

+91, 52' RT

WETLAND BOUNDARY

+93, 74' RT

+86, 97' RT

+65, 83' RT

+44, 93' RT

WETLAND BOUNDARY

+13, 120' RT

LEGEND

- REMOVING PAVEMENT
- REMOVING ASPHALTIC SURFACE BUTT JOINTS
- REMOVING ASPHALTIC SURFACE MILLING
- REMOVING CONCRETE SIDEWALK
- CLEARING AND GRUBBING AREA
- X CLEARING AND GRUBBING (ID)
- REMOVING CURB & GUTTER
- XXXX SAWING

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	REMOVAL PLAN	SHEET 31	E

FILE NAME : N:\PDS\C3D\CAD\31100201\021101_RM.DWG
LAYOUT NAME - 021006_rm
PLOT DATE : 3/14/2018 1:45 PM
PLOT BY : GUENETTE, JEFFREY J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

REMOVING SMALL PIPE CULVERT
18" CMCP

+95, 40' LT

+15, 40' LT

+95, 32' LT

+15, 32' LT

42' LT

9'

10'

+00, 36' LT

STH 59

138+00 139+00 140+00 141+00 142+00 143+00 144+00

11'

11'

OH

GUY

45' RT

REMOVING SMALL PIPE CULVERT
18" CMCP

ROADSIDE CLEARING
TRIM LIMBS TO INSTALL
CATCH BASIN AND GRADE SLOPES

LEGEND

- REMOVING PAVEMENT
- REMOVING ASPHALTIC SURFACE BUTT JOINTS
- REMOVING ASPHALTIC SURFACE MILLING
- REMOVING CONCRETE SIDEWALK
- CLEARING AND GRUBBING AREA
- X CLEARING AND GRUBBING (ID)
- REMOVING CURB & GUTTER
- XXXX SAWING

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	REMOVAL PLAN	SHEET 32	E

FILE NAME : N:\PDS\C3D\CAD\31100201\021101_RM.DWG
LAYOUT NAME - 021007_rm

PLOT DATE : 3/14/2018 1:45 PM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

SIGN

SIGN

9'

10'

+00, 36' LT

144+00 145+00 146+00 147+00 148+00 149+00 150+00

STH 59

11'

11'

XXXX XXXX

47' RT

REMOVING SMALL PIPE CULVERT
18" CMCP

REMOVING COMMERCIAL SIGN
STA 146+15

SIGN

LEGEND

- REMOVING PAVEMENT
- REMOVING ASPHALTIC SURFACE BUTT JOINTS
- REMOVING ASPHALTIC SURFACE MILLING
- REMOVING CONCRETE SIDEWALK
- CLEARING AND GRUBBING AREA
- X CLEARING AND GRUBBING (ID)
- REMOVING CURB & GUTTER
- XXXX SAWING

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	REMOVAL PLAN	SHEET 33	E

FILE NAME : N:\PDS\C3D\CAD\31100201\021101_RM.DWG
LAYOUT NAME - 021008_rm

PLOT DATE : 3/14/2018 1:45 PM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

STH 59

150+00 151+00 152+00 153+00 154+00 155+00 156+00

11'

11'

+25

+15, 28' RT

+15, 38' RT

+65, 28' RT

+65, 38' RT

REMOVING SMALL PIPE CULVERT
18" CMCP

REMOVING SMALL PIPE CULVERT
18" CMCP

1+00

+55

2+00

OLD COUNTY P

3+00

OH

G

T

X

GUY

LEGEND

- REMOVING PAVEMENT
- REMOVING ASPHALTIC SURFACE BUTT JOINTS
- REMOVING ASPHALTIC SURFACE MILLING
- REMOVING CONCRETE SIDEWALK
- CLEARING AND GRUBBING AREA
- X CLEARING AND GRUBBING (ID)
- REMOVING CURB & GUTTER
- XXXX SAWING

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	REMOVAL PLAN	SHEET 34	E

FILE NAME : N:\PDS\C3D\CAD\31100201\021101_RM.DWG
LAYOUT NAME - 021009_rm

PLOT DATE : 3/14/2018 1:45 PM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

STH 59

156+00

157+00

158+00

159+00

160+00

161+00

162+00

SIGN

OHO

RT

RT

X

LEGEND

REMOVING PAVEMENT

REMOVING ASPHALTIC SURFACE BUTT JOINTS

REMOVING ASPHALTIC SURFACE MILLING

REMOVING CONCRETE SIDEWALK

CLEARING AND GRUBBING AREA

X CLEARING AND GRUBBING (ID)

REMOVING CURB & GUTTER

XXXX SAWING

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	REMOVAL PLAN	SHEET 35	E

FILE NAME : N:\PDS\C3D\CAD\31100201\021101_RM.DWG
LAYOUT NAME - 021010_rm

PLOT DATE : 3/14/2018 1:45 PM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

STH 59

163+00
164+00
165+00
166+00
167+00
162+00
168+00

15+00
14+00
13+00

+99, 12' RT
+00, 12' RT
+41, 12' RT
+00, 12' RT
+49, 28' RT
+70

XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX

REMOVING ASPHALTIC SURFACE
SEE CONSTRUCTION DETAIL

REMOVING ASPHALTIC SURFACE
SEE CONSTRUCTION DETAIL

COX ROAD

OH

LEGEND

- REMOVING PAVEMENT
- REMOVING ASPHALTIC SURFACE BUTT JOINTS
- REMOVING ASPHALTIC SURFACE MILLING
- REMOVING CONCRETE SIDEWALK
- CLEARING AND GRUBBING AREA
- X CLEARING AND GRUBBING (ID)
- REMOVING CURB & GUTTER
- XXXX SAWING

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	REMOVAL PLAN	SHEET 36	E

FILE NAME : N:\PDS\C3D\CAD\31100201\021101_RM.DWG
LAYOUT NAME - 021011_rm

PLOT DATE : 3/14/2018 1:45 PM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

STH 59

168+00 169+00 170+00 171+00 172+00 173+00 174+00

26+00 25+00 24+00 23+00

+25

N

SIGN

WETLAND BOUNDARY

LEGEND

- REMOVING PAVEMENT
- REMOVING ASPHALTIC SURFACE BUTT JOINTS
- REMOVING ASPHALTIC SURFACE MILLING
- REMOVING CONCRETE SIDEWALK
- CLEARING AND GRUBBING AREA
- X CLEARING AND GRUBBING (ID)
- REMOVING CURB & GUTTER
- XXXX SAWING

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	REMOVAL PLAN	SHEET 37	E

FILE NAME : N:\PDS\C3D\CAD\31100201\021101_RM.DWG
LAYOUT NAME - 021012_rm

PLOT DATE : 3/14/2018 1:45 PM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- C1 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- C2 CONCRETE CURB AND GUTTER 30-INCH TYPE D
- C3 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
- C4 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
- S1 CONCRETE SIDEWALK 5-INCH
- R-1 CURB RAMP TYPE 1
- R-2 CURB RAMP TYPE 2
- R-4B1 CURB RAMP TYPE 4B1
- R-7B CURB RAMP TYPE 7B
- SB-# SOIL BORING NUMBER
- D-A ASPHALTIC SURFACE DRIVEWAY AND FIELD ENTRANCES
- D-AGG CRUSHED AGGREGATE DRIVEWAY
- XXXXX SAW CUT
- WATER SURFACE FLOW
- BUTT JOINT
- X REMOVE ACCESS
- 6" PIPE UNDERDRAIN
- TAP 6" UNDERDRAIN INTO STRUCTURE OR PIPE
- CONCRETE ENDWALL FOR 6" UNDERDRAIN
- END CAP

NOTE:
CURB FLANGE SLOPE IS 6.25 %

N

BEGIN PROJECT 3110-02-71
STA 102+75

CONCRETE DRIVEWAY 9-INCH

CP705

COLORING CONCRETE CUSTOM

STH 59 R/L

STH 59

TAFT STREET

TAFT ST. R/L

BEGIN CONSTRUCTION
STA 9+25

RADIUS TABLE			
POINT	STATION	OFFSET	RADIUS
1	106+06.53 STH 59 9+49.79 TAFT ST	52.00' RT 41.66' LT	30'
2	106+87.01 STH 59 9+49.24 TAFT ST	49.00' RT 38.87' RT	27'

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PLAN DETAIL	SHEET 38	E

FILE NAME : N:\PDS\C3D\CAD\31100201\021201_PD.DWG
LAYOUT NAME - 021201_pd

PLOT DATE : 3/15/2018 6:53 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- C1 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- C2 CONCRETE CURB AND GUTTER 30-INCH TYPE D
- C3 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
- C4 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
- S1 CONCRETE SIDEWALK 5-INCH
- R-1 CURB RAMP TYPE 1
- R-2 CURB RAMP TYPE 2
- R-4B1 CURB RAMP TYPE 4B1
- R-7B CURB RAMP TYPE 7B
- SB-* SOIL BORING NUMBER
- D-A ASPHALTIC SURFACE DRIVEWAY AND FIELD ENTRANCES
- D-AGG CRUSHED AGGREGATE DRIVEWAY
- XXXXX SAW CUT
- WATER SURFACE FLOW
- BUTT JOINT
- X REMOVE ACCESS
- 6" PIPE UNDERDRAIN
- TAP 6" UNDERDRAIN INTO STRUCTURE OR PIPE
- CONCRETE ENDWALL FOR 6" UNDERDRAIN
- END CAP

NOTE:
CURB FLANGE SLOPE IS 6.25 %

N

WILLARD ST. R/L

WILLARD STREET

R/W

END CONSTRUCTION
STA 20+85

+85
12.08' LT

21+00

D-A
+63.94
15.84' LT

HMA

+60
14' RT

+60
12' LT

+39.11
14' RT

+84.74
44.48' LT

+67.77
39.60' LT

MATCH
39.5' LT

MATCH
38.4' LT

HE

CONCRETE DRIVEWAY
9-INCH

MATCH
39.7' LT

MATCH
35.7' LT

MATCH
43.3' LT

R/W
TLE
+60.78
41.90' LT

+91.12
28.20' LT

+39.18
28.81' LT

+57.10
22' LT

+90.94
22' LT

+73.90
22' LT

+82.3

+80.2

+73

+47

+42

+37

+16

+13

+98

+88

+64.7

+64
22' LT

R-4B1

R-7B

C1

SB-3

COLORING CONCRETE
CUSTOM

STH 59

STH 59 R/L

108+00

109+00

110+00

111+00

112+00

113+00

114+00

SB-2

+06

+34

+79

+15

+16

+50

+75

+11

+90.94
22.26' RT

+86.64
22' RT

+08.91
30' RT

+66.03
22.75' RT

+72.36
22' RT

+53.18
30.00' RT

RW

TLE

MATCH
42.0' RT

MATCH
47.2' RT

MATCH
38.0' RT

MATCH
41.3' RT

SIGN

R-2

+53.05
11.49' LT

+39.57
11.54' RT

MATCH
27.0' RT

11.5'

22'

29+00

C2

BEGIN CONSTRUCTION
STA 28+92

RICE STREET

RICE ST. R/L

RADIUS TABLE

POINT	STATION	OFFSET	RADIUS
3	111+73.90 STH 59 20+62.34 WILLARD ST	49.00' LT 38.90' LT	27'
4	112+57.10 STH 59 20+39.11 WILLARD ST	49.00' LT 41.00' RT	27'
5	112+86.64 STH 59 29+53.05 RICE ST	57.00' RT 46.49' LT	35'
6	113+72.36 STH 59 29+39.57 RICE ST	49.00' RT 38.54' RT	27'

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PLAN DETAIL	SHEET 39	E

FILE NAME : N:\PDS\C3D\CAD\31100201\021201_PD.DWG
LAYOUT NAME - 021202_pd

PLOT DATE : 3/15/2018 6:53 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

SEE SANITARY LIFT STATION CONSTRUCTION DETAIL

STH 59

CONC.

STH 59 R/L

CONCRETE DRIVEWAY HES 9-INCH

REMOVE DRIVEWAY REMNANTS

SEE PEDESTRIAN RAILING CONSTRUCTION DETAIL

RADIUS TABLE			
POINT	STATION	OFFSET	RADIUS
7	120+22.24 STH 59	250.00' RT'	221.5'
8	119+39.97 STH 59	128.89' RT'	100'

NOTE:
CURB FLANGE SLOPE IS 6.25 %

LEGEND

- C1 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- C2 CONCRETE CURB AND GUTTER 30-INCH TYPE D
- C3 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
- C4 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
- S1 CONCRETE SIDEWALK 5-INCH
- R-1 CURB RAMP TYPE 1
- R-2 CURB RAMP TYPE 2
- R-4B1 CURB RAMP TYPE 4B1
- R-7B CURB RAMP TYPE 7B
- SB-# SOIL BORING NUMBER
- D-A ASPHALTIC SURFACE DRIVEWAY AND FIELD ENTRANCES
- D-AGG CRUSHED AGGREGATE DRIVEWAY
- XXXXX SAW CUT
- WATER SURFACE FLOW
- BUTT JOINT
- X REMOVE ACCESS
- 6" PIPE UNDERDRAIN
- TAP 6" UNDERDRAIN INTO STRUCTURE OR PIPE
- CONCRETE ENDWALL FOR 6" UNDERDRAIN
- END CAP

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PLAN DETAIL	SHEET 40	E

FILE NAME : N:\PDS\C3D\CAD\31100201\021201_PD.DWG
LAYOUT NAME - 021203_pd

PLOT DATE : 3/15/2018 6:54 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

RADIUS TABLE			
POINT	STATION	OFFSET	RADIUS
9	124+52.97 STH 59	297.07' LT'	276.11'
10	125+82.01 STH 59	684.61' LT'	670'
11	124+68.77 STH 59	311.27' LT'	333.3'
12	121+65.47 STH 59	856.69' LT'	900'
21	125+97.92 STH 59	937.47' LT'	914.26'

BLUFF ROAD

STH 59

STH 59 R/L

CLAY STREET

R/W

TLE

SI

CONC.

TAP PIPE UNDERDRAIN INTO EXISTING INLET

END PIPE UNDERDRAIN UNPERFORATED 6-INCH BEGIN PIPE UNDERDRAIN 6-INCH

PIPE UNDERDRAIN UNPERFORATED 6-INCH

EXISTING CONC.

EXISTING R/W

TAP PIPE UNDERDRAIN INTO EXISTING INLET

EXCEPTION TO NET C/L LENGTH
STA. 120+50 TO STA. 124+50

NOTE:
CURB FLANGE SLOPE IS 6.25 %

LEGEND

- C1 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- C2 CONCRETE CURB AND GUTTER 30-INCH TYPE D
- C3 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
- C4 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
- S1 CONCRETE SIDEWALK 5-INCH
- R-1 CURB RAMP TYPE 1
- R-2 CURB RAMP TYPE 2
- R-4B1 CURB RAMP TYPE 4B1
- R-7B CURB RAMP TYPE 7B
- SB-# SOIL BORING NUMBER
- D-A ASPHALTIC SURFACE DRIVEWAY AND FIELD ENTRANCES
- D-AGG CRUSHED AGGREGATE DRIVEWAY
- XXXXX SAW CUT
- WATER SURFACE FLOW
- BUTT JOINT
- X REMOVE ACCESS
- 6" PIPE UNDERDRAIN
- TAP 6" UNDERDRAIN INTO STRUCTURE OR PIPE
- CONCRETE ENDWALL FOR 6" UNDERDRAIN
- END CAP

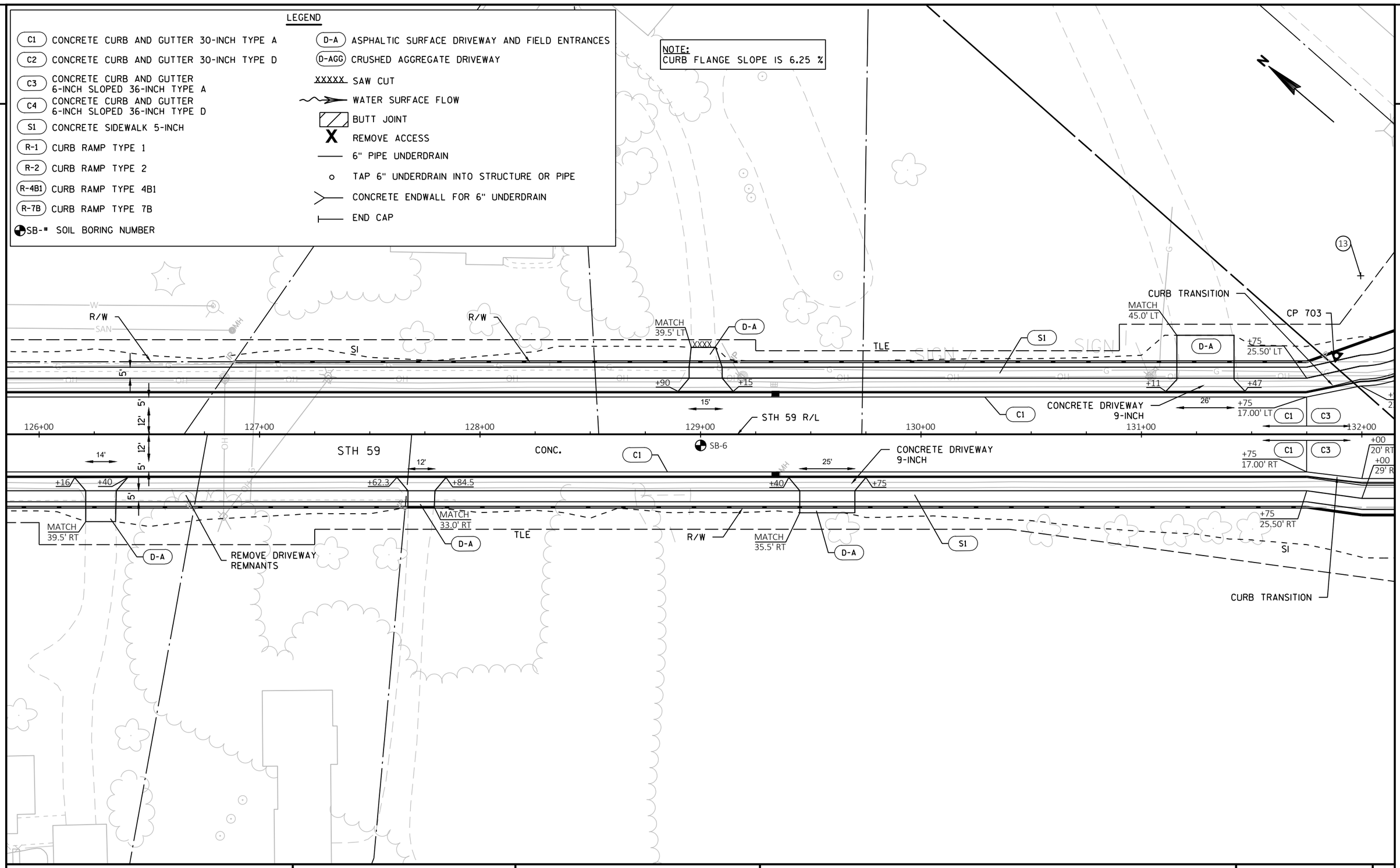
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PLAN DETAIL	SHEET 41	E

FILE NAME : N:\PDS\C3D\CAD\31100201\021201_PD.DWG
LAYOUT NAME - 021204_pd
PLOT DATE : 3/15/2018 6:54 AM
PLOT BY : GUENETTE, JEFFREY J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- C1 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- C2 CONCRETE CURB AND GUTTER 30-INCH TYPE D
- C3 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
- C4 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
- S1 CONCRETE SIDEWALK 5-INCH
- R-1 CURB RAMP TYPE 1
- R-2 CURB RAMP TYPE 2
- R-4B1 CURB RAMP TYPE 4B1
- R-7B CURB RAMP TYPE 7B
- SB-# SOIL BORING NUMBER
- D-A ASPHALTIC SURFACE DRIVEWAY AND FIELD ENTRANCES
- D-AGG CRUSHED AGGREGATE DRIVEWAY
- XXXXX SAW CUT
- WATER SURFACE FLOW
- BUTT JOINT
- X REMOVE ACCESS
- 6" PIPE UNDERDRAIN
- TAP 6" UNDERDRAIN INTO STRUCTURE OR PIPE
- CONCRETE ENDWALL FOR 6" UNDERDRAIN
- END CAP

NOTE:
CURB FLANGE SLOPE IS 6.25 %



PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PLAN DETAIL	SHEET 42	E

FILE NAME : N:\PDS\C3D\CAD\31100201\021201_PD.DWG
LAYOUT NAME - 021205_pd
PLOT DATE : 3/15/2018 6:54 AM
PLOT BY : GUENETTE, JEFFREY J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

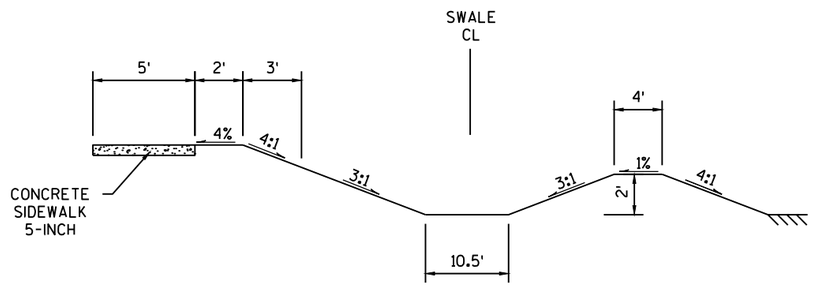
C1	CONCRETE CURB AND GUTTER 30-INCH TYPE A
C2	CONCRETE CURB AND GUTTER 30-INCH TYPE D
C3	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
C4	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
S1	CONCRETE SIDEWALK 5-INCH
R-1	CURB RAMP TYPE 1
R-2	CURB RAMP TYPE 2
R-4B1	CURB RAMP TYPE 4B1
R-7B	CURB RAMP TYPE 7B
SB-*	SOIL BORING NUMBER
D-A	ASPHALTIC SURFACE DRIVEWAY AND FIELD ENTRANCES
D-AGG	CRUSHED AGGREGATE DRIVEWAY
XXXXX	SAW CUT
	WATER SURFACE FLOW
	BUTT JOINT
X	REMOVE ACCESS
	6" PIPE UNDERDRAIN
o	TAP 6" UNDERDRAIN INTO STRUCTURE OR PIPE
	CONCRETE ENDWALL FOR 6" UNDERDRAIN
	END CAP

NOTE:
CURB FLANGE SLOPE IS 6.25 %

N

SUNRISE LANE R/L
SUNRISE LANE
R/W
2+00
END CONSTRUCTION
STA 1+25
CONCRETE SURFACE DRAIN
STA. 134+32
REMOVING OLD STRUCTURE
2'X2' CONCRETE BOX CULVERT
WITH 18" CMCP EXTENSIONS
HMA
SI
1+00
15'
+91.03
15' RT
+66.31
15' LT
+99.52
22' LT
+36.25
20' LT
TLE
HE
CONC.
R2
C3
SB-7
STH 59
EXISTING R/W
S1
132+00
133+00
134+00
135+00
136+00
137+00
138+00
STH 59 R/L
+00
20' RT
+00
29' RT
PI: 132+23.74
WETLAND BOUNDARY
SWALE DITCH LINE
PERMANENT DITCH CHECK
SEE CONSTRUCTION DETAIL
SWALE OUTFALL
SEE CONSTRUCTION DETAIL

RADIUS TABLE			
POINT	STATION	OFFSET	RADIUS
13	131+99.52 STH 59 0+66.31 SUNRISE LANE	72.00' LT 65.00' LT	50'
14	133+36.25 STH 59 0+91.03 SUNRISE LANE	75.00' LT 70.00' RT	55'



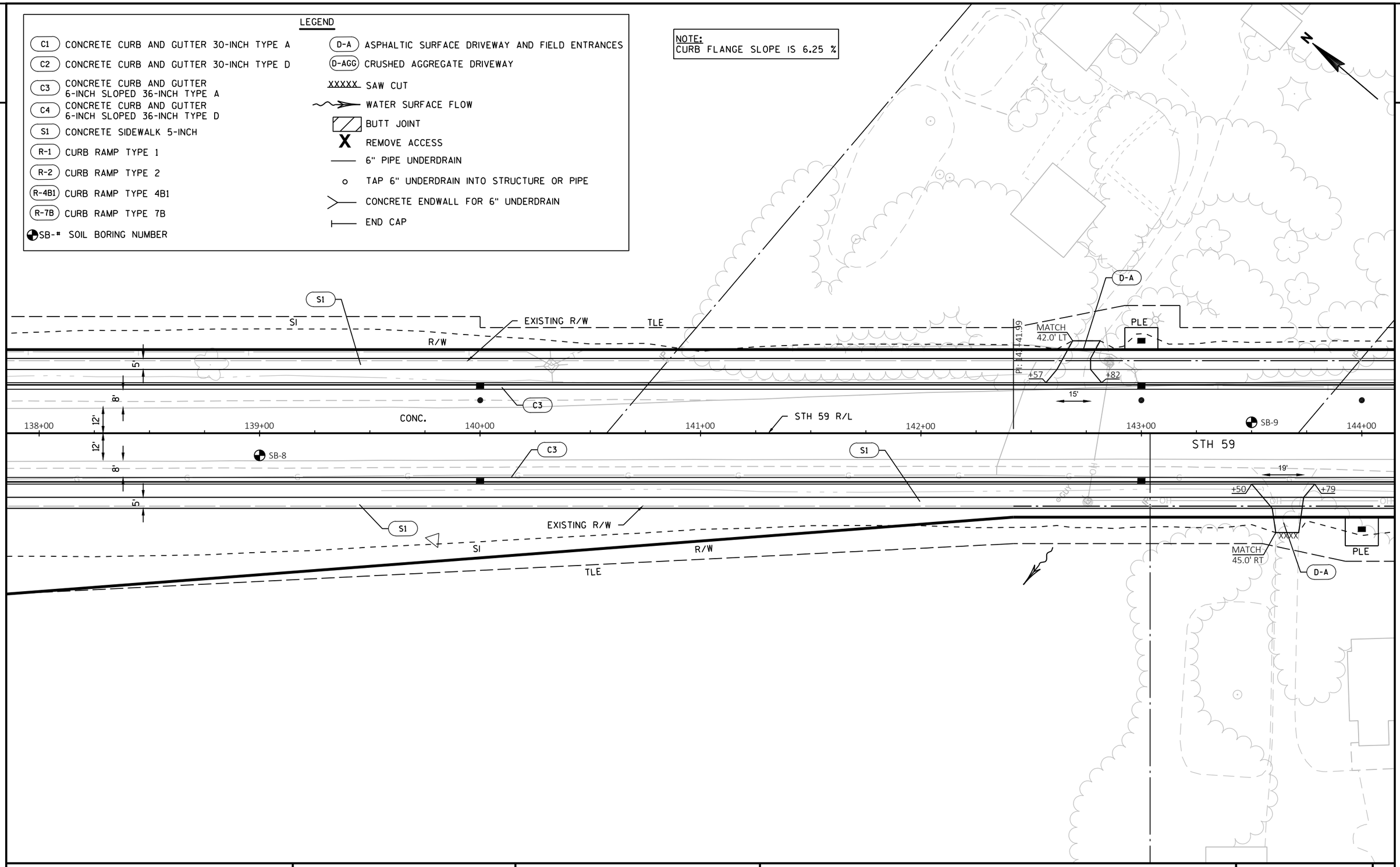
SWALE DETAIL
STA 134+50 TO STA 137+50

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PLAN DETAIL	SHEET 43	E

LEGEND

- C1 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- C2 CONCRETE CURB AND GUTTER 30-INCH TYPE D
- C3 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
- C4 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
- S1 CONCRETE SIDEWALK 5-INCH
- R-1 CURB RAMP TYPE 1
- R-2 CURB RAMP TYPE 2
- R-4B1 CURB RAMP TYPE 4B1
- R-7B CURB RAMP TYPE 7B
- SB-# SOIL BORING NUMBER
- D-A ASPHALTIC SURFACE DRIVEWAY AND FIELD ENTRANCES
- D-AGG CRUSHED AGGREGATE DRIVEWAY
- XXXXX SAW CUT
- WATER SURFACE FLOW
- BUTT JOINT
- X REMOVE ACCESS
- 6" PIPE UNDERDRAIN
- TAP 6" UNDERDRAIN INTO STRUCTURE OR PIPE
- CONCRETE ENDWALL FOR 6" UNDERDRAIN
- END CAP

NOTE:
CURB FLANGE SLOPE IS 6.25 %



PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PLAN DETAIL	SHEET 44	E

FILE NAME : N:\PDS\C3D\CAD\31100201\021201_PD.DWG
LAYOUT NAME - 021207_pd
PLOT DATE : 3/15/2018 6:57 AM
PLOT BY : GUENETTE, JEFFREY J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

LEGEND

- C1 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- C2 CONCRETE CURB AND GUTTER 30-INCH TYPE D
- C3 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
- C4 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
- S1 CONCRETE SIDEWALK 5-INCH
- R-1 CURB RAMP TYPE 1
- R-2 CURB RAMP TYPE 2
- R-4B1 CURB RAMP TYPE 4B1
- R-7B CURB RAMP TYPE 7B
- SB-* SOIL BORING NUMBER
- D-A ASPHALTIC SURFACE DRIVEWAY AND FIELD ENTRANCES
- D-AGG CRUSHED AGGREGATE DRIVEWAY
- XXXXX SAW CUT
- WATER SURFACE FLOW
- BUTT JOINT
- X REMOVE ACCESS
- 6" PIPE UNDERDRAIN
- TAP 6" UNDERDRAIN INTO STRUCTURE OR PIPE
- CONCRETE ENDWALL FOR 6" UNDERDRAIN
- END CAP

NOTE:
CURB FLANGE SLOPE IS 6.25 %

N

TLE
PLE
EXISTING R/W
RW
S1
5'
8'
12'
144+00
145+00
146+00
147+00
148+00
149+00
150+00
C3
STH 59 R/L
CONC.
+55.16 20' RT
+54.84 29' RT
SB-10
STH 59
+67.66 29' RT
+67.30 38' RT
17'
35'
+68
+13
5'
CP702
XXXX XXXX
MATCH 47.0' RT
D-A
PLE
RW
SI
TLE
EXISTING R/W

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PLAN DETAIL	SHEET 45	E

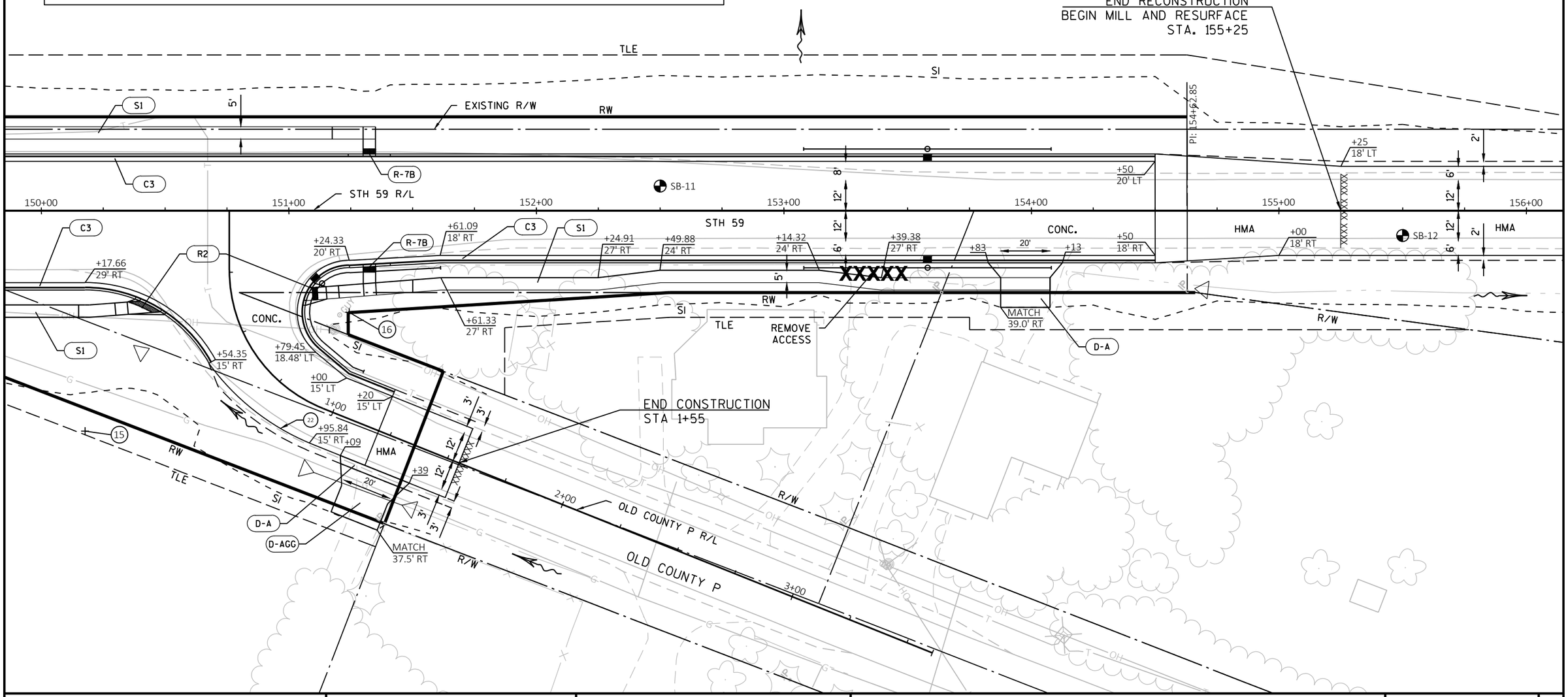
FILE NAME : N:\PDS\C3D\CAD\31100201\021201_PD.DWG
LAYOUT NAME - 021208_pd
PLOT DATE : 3/15/2018 6:56 AM
PLOT BY : GUENETTE, JEFFREY J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

LEGEND

- C1 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- C2 CONCRETE CURB AND GUTTER 30-INCH TYPE D
- C3 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
- C4 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
- S1 CONCRETE SIDEWALK 5-INCH
- R-1 CURB RAMP TYPE 1
- R-2 CURB RAMP TYPE 2
- R-4B1 CURB RAMP TYPE 4B1
- R-7B CURB RAMP TYPE 7B
- SB-# SOIL BORING NUMBER
- D-A ASPHALTIC SURFACE DRIVEWAY AND FIELD ENTRANCES
- D-AGG CRUSHED AGGREGATE DRIVEWAY
- XXXXX SAW CUT
- WATER SURFACE FLOW
- BUTT JOINT
- X REMOVE ACCESS
- 6" PIPE UNDERDRAIN
- TAP 6" UNDERDRAIN INTO STRUCTURE OR PIPE
- CONCRETE ENDWALL FOR 6" UNDERDRAIN
- END CAP

NOTE:
CURB FLANGE SLOPE IS 6.25 %

RADIUS TABLE			
POINT	STATION	OFFSET	RADIUS
15	150+17.65 STH 59 0+54.35 OLD COUNTY P	89.00' RT 75.00' RT	60'
16	151+24.33 STH 59 0+82.08 OLD COUNTY P	41.00' RT 39.44' LT	21'
22	151+45.37 STH 59 0+05.56 OLD COUNTY P	5.26' RT 69.46' LT	96'



PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PLAN DETAIL	SHEET 46	E

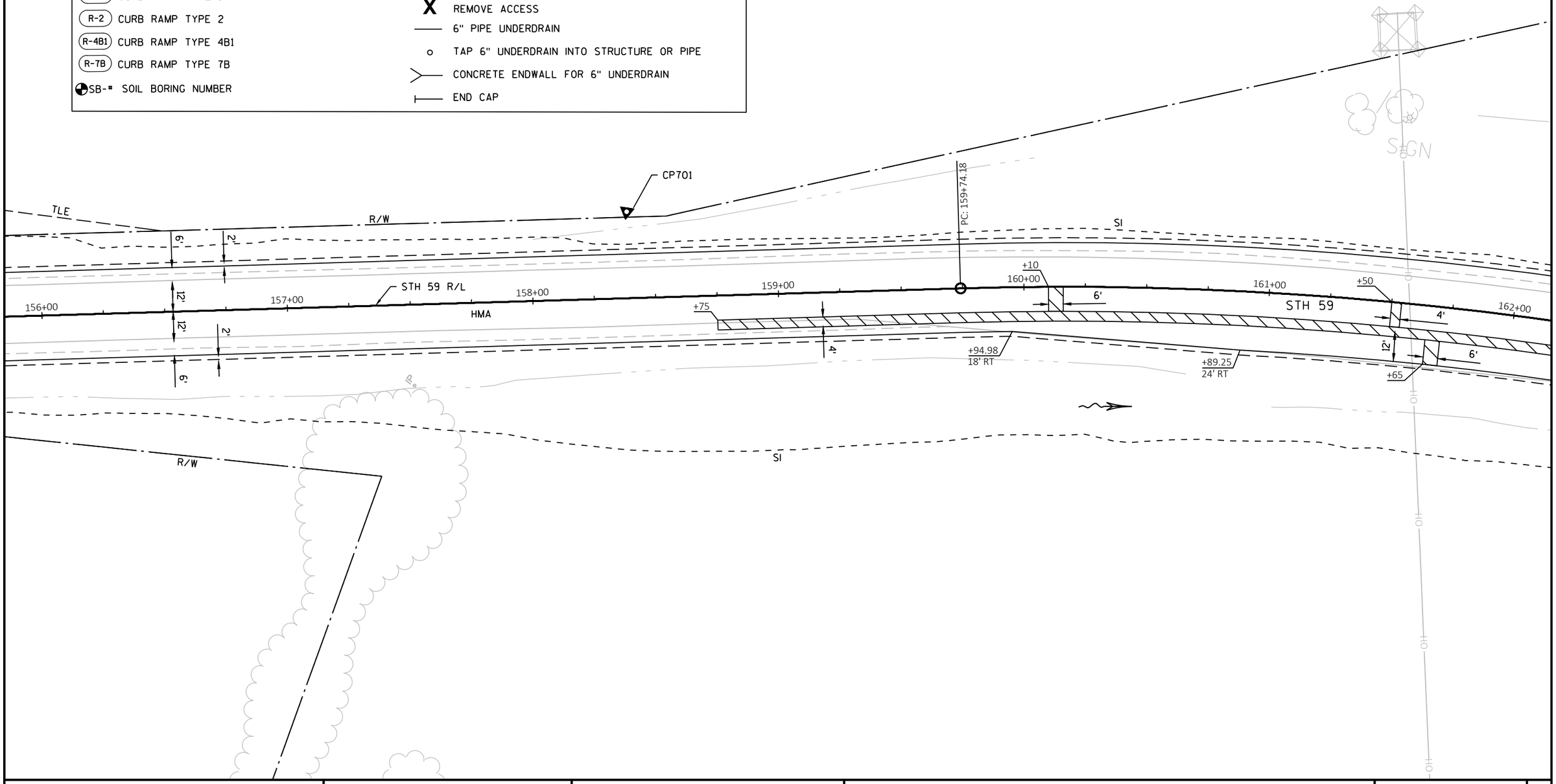
2

LEGEND

C1 CONCRETE CURB AND GUTTER 30-INCH TYPE A	D-A ASPHALTIC SURFACE DRIVEWAY AND FIELD ENTRANCES
C2 CONCRETE CURB AND GUTTER 30-INCH TYPE D	D-AGG CRUSHED AGGREGATE DRIVEWAY
C3 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A	XXXXX SAW CUT
C4 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D	WATER SURFACE FLOW
S1 CONCRETE SIDEWALK 5-INCH	BUTT JOINT
R-1 CURB RAMP TYPE 1	BASE PATCHING ASPHALTIC
R-2 CURB RAMP TYPE 2	X REMOVE ACCESS
R-4B1 CURB RAMP TYPE 4B1	6" PIPE UNDERDRAIN
R-7B CURB RAMP TYPE 7B	TAP 6" UNDERDRAIN INTO STRUCTURE OR PIPE
SB-* SOIL BORING NUMBER	CONCRETE ENDWALL FOR 6" UNDERDRAIN
	END CAP

NOTE:
SUPER ELEVATION CORRECTION REQUIRED.
SEE CONSTRUCTION DETAILS, ALIGNMENT PLAN, AND PAVEMENT GRADE SHEETS FOR CROSS SLOPE INFORMATION.

NOTE:
CURB FLANGE SLOPE IS 6.25 %



PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PLAN DETAIL	SHEET 47	E

FILE NAME : N:\PDS\C3D\CAD\31100201\021201_PD.DWG
LAYOUT NAME - 021210_pd
PLOT DATE : 3/15/2018 6:58 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

C1	CONCRETE CURB AND GUTTER 30-INCH TYPE A
C2	CONCRETE CURB AND GUTTER 30-INCH TYPE D
C3	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
C4	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
S1	CONCRETE SIDEWALK 5-INCH
R-1	CURB RAMP TYPE 1
R-2	CURB RAMP TYPE 2
R-4B1	CURB RAMP TYPE 4B1
R-7B	CURB RAMP TYPE 7B
SB-#	SOIL BORING NUMBER
D-A	ASPHALTIC SURFACE DRIVEWAY AND FIELD ENTRANCES
D-AGG	CRUSHED AGGREGATE DRIVEWAY
XXXXX	SAW CUT
	WATER SURFACE FLOW
	BUTT JOINT
	BASE PATCHING ASPHALTIC
X	REMOVE ACCESS
	6" PIPE UNDERDRAIN
o	TAP 6" UNDERDRAIN INTO STRUCTURE OR PIPE
	CONCRETE ENDWALL FOR 6" UNDERDRAIN
	END CAP

END CONSTRUCTION
STA 16+00

EXISTING R/W

COX ROAD R/L

BUTT JOINT

STH 59

STH 59 R/L

SEE CONSTRUCTION DETAIL
REMOVAL AREAS - COX ROAD

SEE CONSTRUCTION DETAIL
REMOVAL AREAS - COX ROAD

DITCHLINE

COX ROAD

BEGIN CONSTRUCTION
STA 13+00

RADIUS TABLE			
POINT	STATION	OFFSET	RADIUS
17	163+28.56 STH 59 13+70.40 COX RD	84.36' RT 75.61' LT	60'
18	163+60.09 STH 59 15+20.71 COX RD	64.16' LT 54.56' LT	40'
19	164+83.95 STH 59 15+42.40 COX RD	84.00' LT 75.36' RT	60'
20	164+66.92 STH 59 13+95.08 COX RD	63.75' RT 54.83' RT	40'

NOTE:
CURB FLANGE SLOPE IS 6.25 %

SEE PAVEMENT GRADES SHEETS FOR CURB AND GUTTER GRADES

SUPER ELEVATION CORRECTION REQUIRED. SEE CONSTRUCTION DETAILS, ALIGNMENT PLAN, AND PAVEMENT GRADE SHEETS FOR CROSS SLOPE INFORMATION.

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PLAN DETAIL	SHEET 48	E

FILE NAME : N:\PDS\C3D\CAD\31100201\021201_PD.DWG
LAYOUT NAME - 021211_pd
PLOT DATE : 3/15/2018 6:59 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

C1 CONCRETE CURB AND GUTTER 30-INCH TYPE A	D-A ASPHALTIC SURFACE DRIVEWAY AND FIELD ENTRANCES
C2 CONCRETE CURB AND GUTTER 30-INCH TYPE D	D-AGG CRUSHED AGGREGATE DRIVEWAY
C3 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A	XXXXX SAW CUT
C4 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D	WATER SURFACE FLOW
S1 CONCRETE SIDEWALK 5-INCH	BUTT JOINT
R-1 CURB RAMP TYPE 1	BASE PATCHING ASPHALTIC
R-2 CURB RAMP TYPE 2	X REMOVE ACCESS
R-4B1 CURB RAMP TYPE 4B1	6" PIPE UNDERDRAIN
R-7B CURB RAMP TYPE 7B	TAP 6" UNDERDRAIN INTO STRUCTURE OR PIPE
SB-# SOIL BORING NUMBER	CONCRETE ENDWALL FOR 6" UNDERDRAIN
	END CAP

CROWN OF ROADWAY FOLLOWS OLD CTH P TL FROM STA 169+23.49 TO USH 12

PT: 169+23.49

SI

HMA

168+00

169+00

+00 0' SB-14

+23.91 18' LT

STH 59

170+00

+90 12' RT

+28 42' RT

+23.49 12' RT

+23.49 42' RT

6'

2'

12'

+63.79 14.72' LT

+24.95 22.08' LT

171+00

END PROJECT 3110-02-71
STA. 171+25

STH 59 R/L

172+00

OLD CTH P TL

173+00

174+00

USH 12

26+00

25+00

24+00

23+00

+95.08 46.03' RT

+26.21 51.60' RT

SEE SIGNAL PLAN FOR LOCATIONS OF LOOPS. BASE PATCH LIMITS 1' AROUND LOOP DETECTOR.

BUTT JOINT

WETLAND BOUNDRY

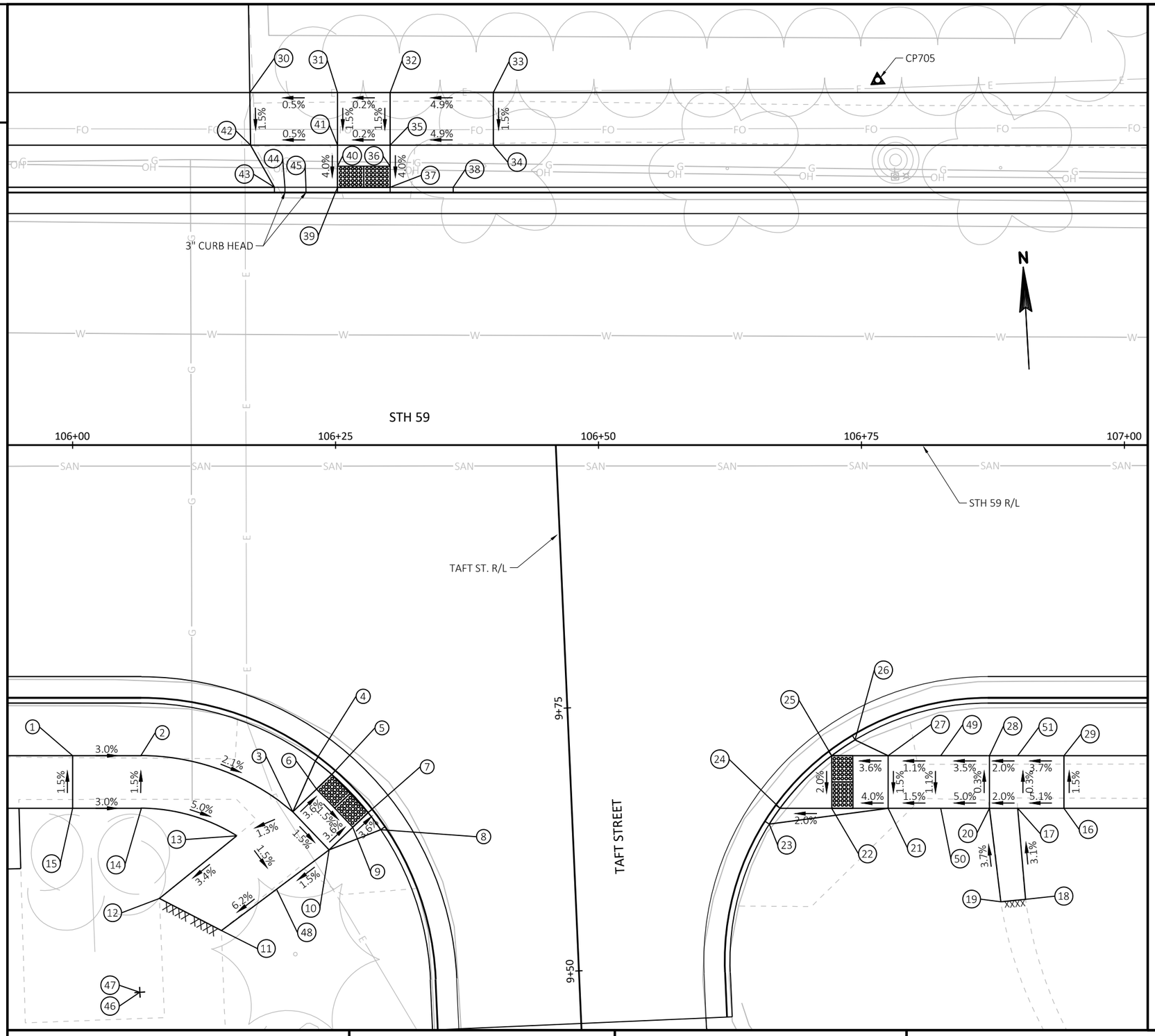
CP700

NOTE:
SUPER ELEVATION CORRECTION REQUIRED. SEE CONSTRUCTION DETAILS, ALIGNMENT PLAN, AND PAVEMENT GRADE SHEETS FOR CROSS SLOPE INFORMATION.

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PLAN DETAIL	SHEET 49	E

FILE NAME : N:\PDS\C3D\CAD\31100201\021201_PD.DWG
LAYOUT NAME - 021212_pd

PLOT DATE : 3/15/2018 7:00 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT



STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
1	106+00.00	29.50 RT	835.46
2	106+06.49	29.50 RT	835.26
3	106+20.93	34.83 RT	834.93
4	106+23.07	30.03 RT	835.36
5	106+24.64	31.30 RT	834.83
6	106+23.19	32.68 RT	834.82
7	106+28.09	34.92 RT	834.67
8	106+29.28	36.55 RT	835.07
9	106+26.64	36.30 RT	834.74
10	106+24.38	38.45 RT	834.85
11	106+14.14	46.12 RT	834.35
12	106+08.25	43.07 RT	834.53
13	106+15.59	37.12 RT	834.85
14	106+06.53	34.50 RT	835.33
15	106+00.00	34.50 RT	835.53
16	106+94.25	34.50 RT	835.54
17	106+89.86	34.50 RT	835.32
18	106+90.60	43.16 RT	835.59
19	106+88.25	43.39 RT	835.59
20	106+87.16	34.50 RT	835.26
21	106+77.54	34.50 RT	834.96
22	106+72.18	34.50 RT	834.74
23	106+66.24	36.00 RT	835.05
24	106+67.26	34.50 RT	834.64
25	106+72.18	29.50 RT	834.84

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
26	106+74.39	28.00 RT	835.36
27	106+77.54	29.50 RT	835.03
28	106+87.16	29.50 RT	835.25
29	106+94.25	29.50 RT	835.47
30	106+16.85	33.50 LT	835.34
31	106+25.18	33.50 LT	835.39
32	106+30.18	33.50 LT	835.39
33	106+40.00	33.50 LT	835.88
34	106+40.00	28.50 LT	835.81
35	106+30.18	28.50 LT	835.32
36	106+30.18	26.50 LT	835.24
37	106+30.18	24.50 LT	835.16
38	106+36.18	24.50 LT	835.64
39	106+25.18	24.50 LT	835.15
40	106+25.18	26.50 LT	835.23
41	106+25.18	28.50 LT	835.31
42	106+16.92	28.50 LT	835.27
43	106+19.18	24.50 LT	835.11
44	106+20.18	24.50 LT	835.37
45	106+22.18	24.50 LT	835.37
48	106+19.39	42.19 RT	834.76
49	106+82.54	29.50 RT	835.09
50	106+82.54	34.50 RT	835.03
51	106+89.86	29.50 RT	835.30

RADIUS TABLE			
POINT	STATION	OFFSET	RADIUS
46	106+06.39	51.99 RT	17.5'
47	106+06.39	51.99 RT	22.5'

NOTES:
-STATION AND OFFSET ARE TO STH 59 R/L UNLESS NOTED OTHERWISE

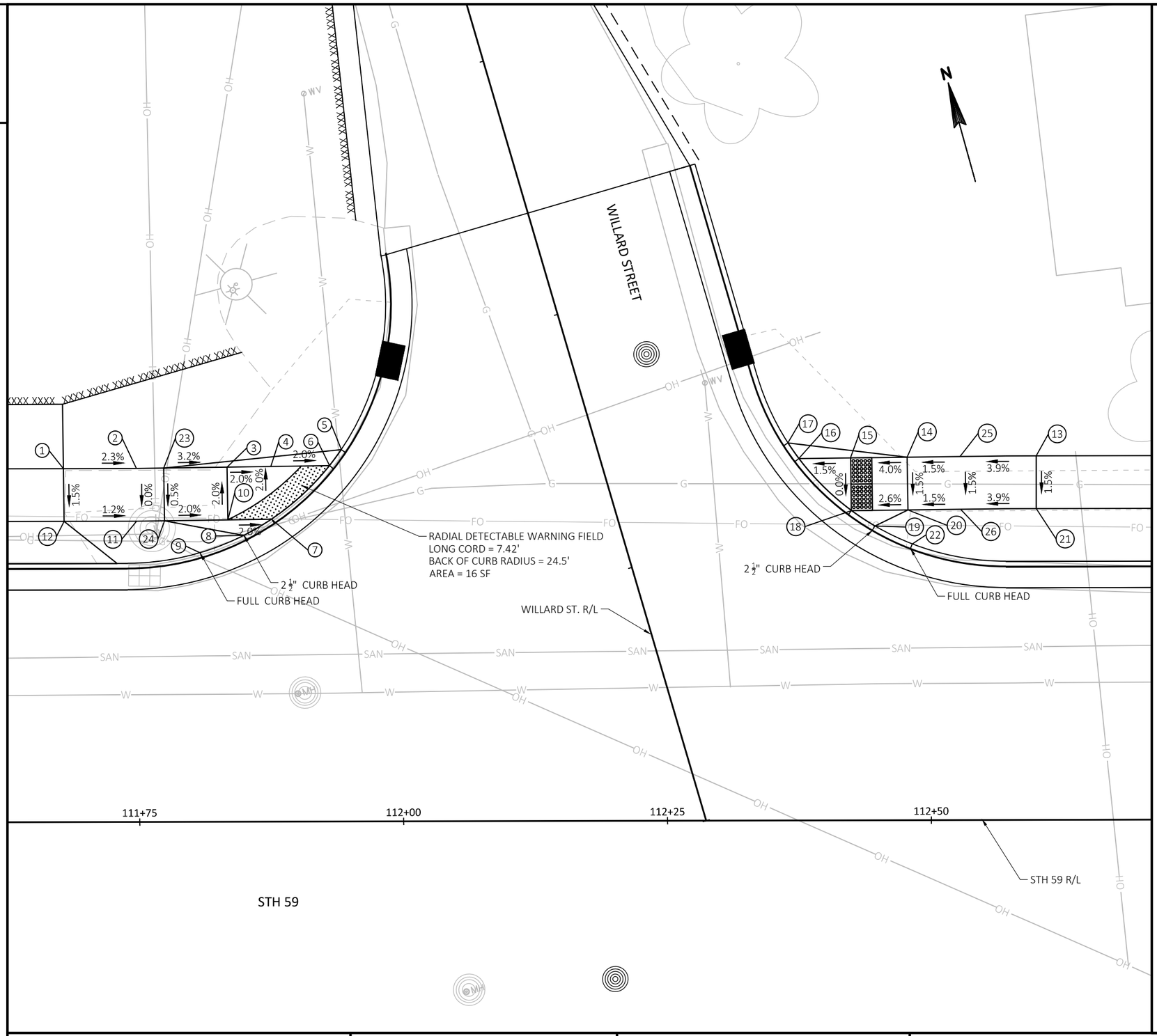
-CURB HEAD HEIGHTS THRU CURB RAMP:
- $\frac{1}{4}$" FOR 30-INCH CURB AND GUTTER
- $\frac{1}{2}$" FOR 36-INCH CURB AND GUTTER

-POINTS AT CURB AND GUTTER ARE AT THE BACK OF CURB

-CURB FLANGE SLOPE IS 6.25% THROUGH CURB RAMPS

-THIS DETAIL SUPPLEMENTS STANDARD DETAIL DRAWINGS CURB RAMPS TYPES 1 AND 1-A, CURB RAMPS TYPES 2 AND 3, CURB RAMPS TYPE 4B AND 4B1, AND CURB RAMPS TYPES 5, 6, 7A, 7B, AND 8.

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CURB RAMP DETAILS - TAFT STREET	SHEET 50	E



STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
1	111+67.84	33.50 LT	830.72
2	111+74.75	33.50 LT	830.57
3	111+83.34	33.61 LT	830.31
4	111+87.49	33.66 LT	830.23
5	111+94.17	35.24 LT	830.54
6	111+93.05	33.73 LT	830.12
7	111+87.55	28.66 LT	830.33
8	111+84.93	27.13 LT	830.58
9	111+80.79	25.49 LT	830.94
10	111+83.40	28.61 LT	830.41
11	111+74.75	28.50 LT	830.57
12	111+67.90	28.50 LT	830.64
13	112+60.00	34.50 LT	830.60
14	112+47.78	34.40 LT	830.25
15	112+42.42	34.35 LT	830.03
16	112+37.52	34.28 LT	829.96
17	112+36.48	35.77 LT	830.41
18	112+42.48	29.35 LT	830.03
19	112+44.70	27.87 LT	830.24
20	112+47.84	29.40 LT	830.17
21	112+60.00	29.50 LT	830.53
22	112+48.24	26.16 LT	830.52
23	111+77.34	33.53 LT	830.50
24	111+77.40	28.53 LT	830.53
25	112+52.78	34.44 LT	830.32
26	112+52.84	29.44 LT	830.25

NOTES:
-STATION AND OFFSET ARE TO STH 59 R/L UNLESS NOTED OTHERWISE

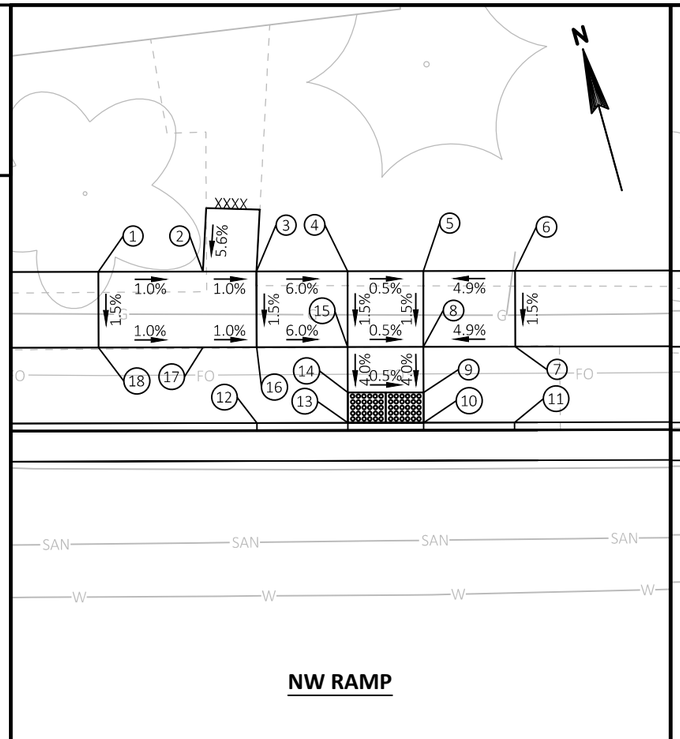
-CURB HEAD HEIGHTS THRU CURB RAMP:
¼" FOR 30-INCH CURB AND GUTTER
½" FOR 36-INCH CURB AND GUTTER

-POINTS AT CURB AND GUTTER ARE AT THE BACK OF CURB

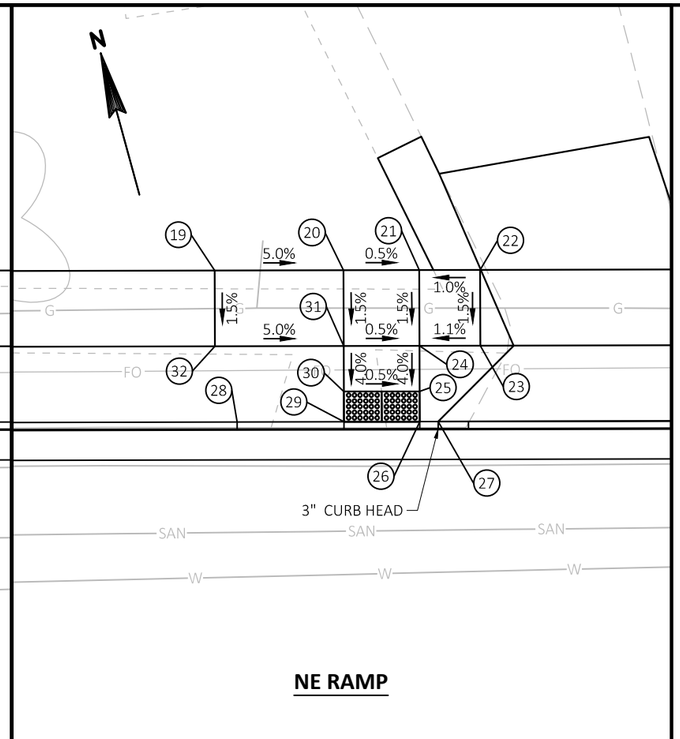
-CURB FLANGE SLOPE IS 6.25% THROUGH CURB RAMPS

-THIS DETAIL SUPPLEMENTS STANDARD DETAIL DRAWINGS CURB RAMPS TYPES 1 AND 1-A, CURB RAMPS TYPES 2 AND 3, CURB RAMPS TYPE 4B AND 4B1, AND CURB RAMPS TYPES 5, 6, 7A, 7B, AND 8.

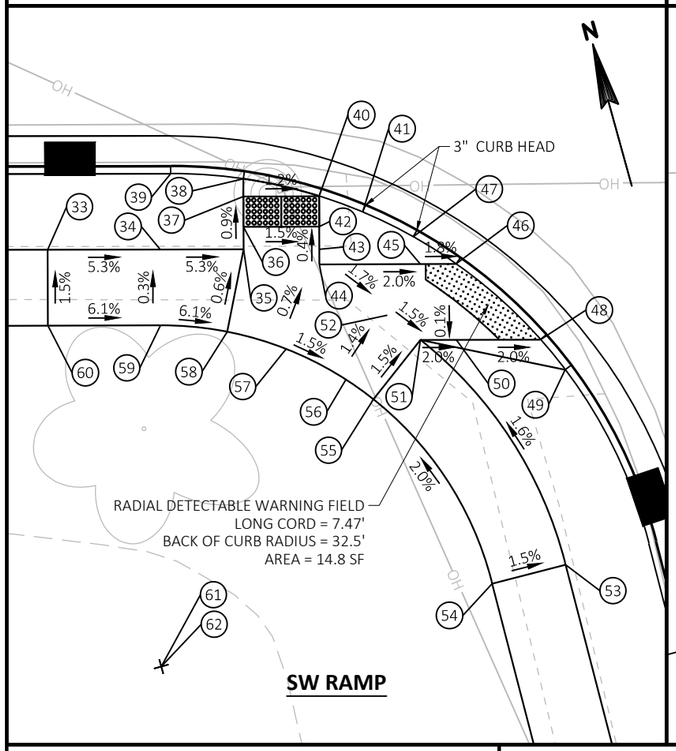
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CURB RAMP DETAILS - WILLARD STREET	SHEET 51	E



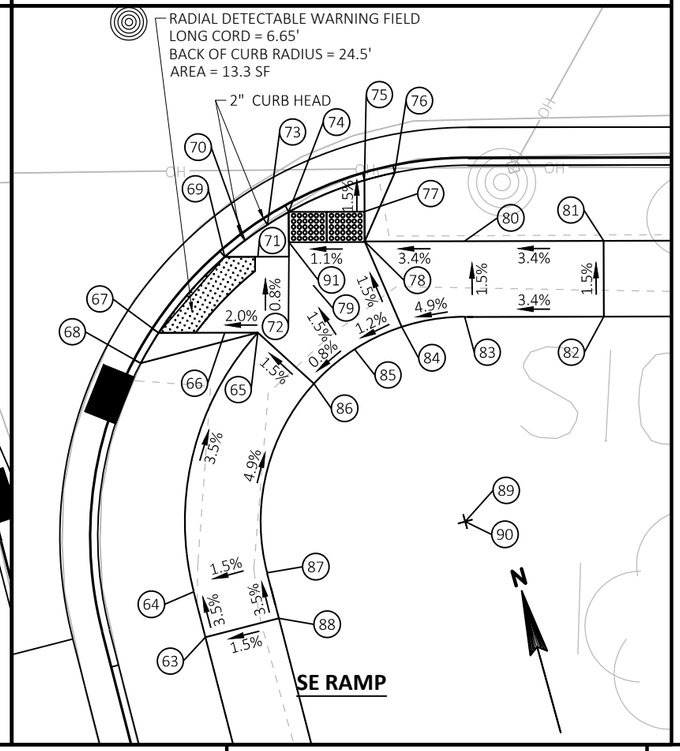
NW RAMP



NE RAMP



SW RAMP



SE RAMP

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
1	112+75.00	34.50 LT	830.46
2	112+81.89	34.50 LT	830.40
3	112+85.44	34.50 LT	830.36
4	112+91.44	34.50 LT	830.00
5	112+96.44	34.50 LT	829.98
6	113+02.50	34.50 LT	830.28
7	113+02.50	29.50 LT	830.20
8	112+96.44	29.50 LT	829.90
9	112+96.44	26.50 LT	829.78
10	112+96.44	24.50 LT	829.70
11	113+02.44	24.50 LT	830.12
12	112+85.44	24.50 LT	830.24
13	112+91.44	24.50 LT	829.73
14	112+91.44	26.50 LT	829.81
15	112+91.44	29.50 LT	829.93
16	112+85.44	29.50 LT	830.29
17	112+81.89	29.50 LT	830.32
18	112+75.00	29.50 LT	830.39
19	113+50.00	34.50 LT	830.09
20	113+58.50	34.50 LT	829.67
21	113+63.50	34.50 LT	829.64
22	113+67.51	34.50 LT	829.68
23	113+67.51	29.50 LT	829.61
24	113+63.50	29.50 LT	829.57
25	113+63.50	26.50 LT	829.45
26	113+63.50	24.50 LT	829.37
27	113+64.72	24.50 LT	829.59
28	113+51.46	24.50 LT	829.91
29	113+58.50	24.50 LT	829.39
30	113+58.50	26.50 LT	829.47
31	113+58.50	29.50 LT	829.59
32	113+50.00	29.50 LT	830.01
33	112+78.51	29.50 RT	830.64
34	112+85.95	29.50 RT	830.25
35	112+91.44	29.50 RT	829.96

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
36	112+91.44	28.01 RT	829.95
37	112+91.44	26.01 RT	829.93
38	112+91.44	24.86 RT	829.92
39	112+86.64	24.50 RT	830.35
40	112+96.44	26.01 RT	829.87
41	112+99.30	27.07 RT	830.05
42	112+96.44	28.01 RT	829.88
43	112+96.44	29.50 RT	829.88
44	112+96.44	30.50 RT	829.89
45	113+03.10	30.50 RT	829.76
46	113+05.46	30.50 RT	829.71
47	113+02.63	28.70 RT	830.00
48	113+11.01	35.50 RT	829.60
49	113+12.64	37.50 RT	830.04
50	113+05.45	35.50 RT	829.71
51	113+03.10	35.50 RT	829.76
52	113+00.92	33.87 RT	829.80
53	113+12.64	50.36 RT	830.05
54	113+07.79	51.59 RT	830.13
55	112+99.98	39.41 RT	829.83
56	112+98.17	38.11 RT	829.86
57	112+94.23	36.08 RT	829.93
58	112+90.35	34.93 RT	829.99
59	112+85.95	34.50 RT	830.26
60	112+78.51	34.50 RT	830.72
63	113+54.96	55.59 RT	830.36
64	113+54.19	52.58 RT	830.25
65	113+58.48	35.50 RT	829.59
66	113+56.30	35.50 RT	829.55
67	113+51.92	35.50 RT	829.47
68	113+50.73	37.50 RT	829.94
69	113+56.30	30.50 RT	829.51
70	113+57.63	29.42 RT	829.67
71	113+58.48	30.50 RT	829.55
72	113+60.53	30.50 RT	829.59

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
73	113+59.12	28.39 RT	829.68
74	113+60.53	27.55 RT	829.54
75	113+65.53	25.47 RT	829.56
76	113+67.53	24.98 RT	830.04
77	113+65.53	27.55 RT	829.59
78	113+65.53	29.50 RT	829.65
79	113+62.14	32.39 RT	829.62
80	113+72.12	29.50 RT	829.87
81	113+81.30	29.50 RT	830.18
82	113+81.30	34.50 RT	830.25
83	113+72.12	34.50 RT	829.94
84	113+67.97	35.15 RT	829.74
85	113+64.85	36.63 RT	829.70
86	113+62.17	38.88 RT	829.67
87	113+59.04	51.34 RT	830.32
88	113+59.81	54.35 RT	830.43
91	113+60.53	29.55 RT	829.59

RADIUS TABLE			
POINT	STATION	OFFSET	RADIUS
61	112+85.95	57.00 RT	22.5'
62	112+85.95	57.00 RT	27.5'
89	113+72.12	48.00 RT	13.5'
90	113+72.12	48.00 RT	18.5'

NOTES:

-STATION AND OFFSET ARE TO STH 59 R/L UNLESS NOTED OTHERWISE

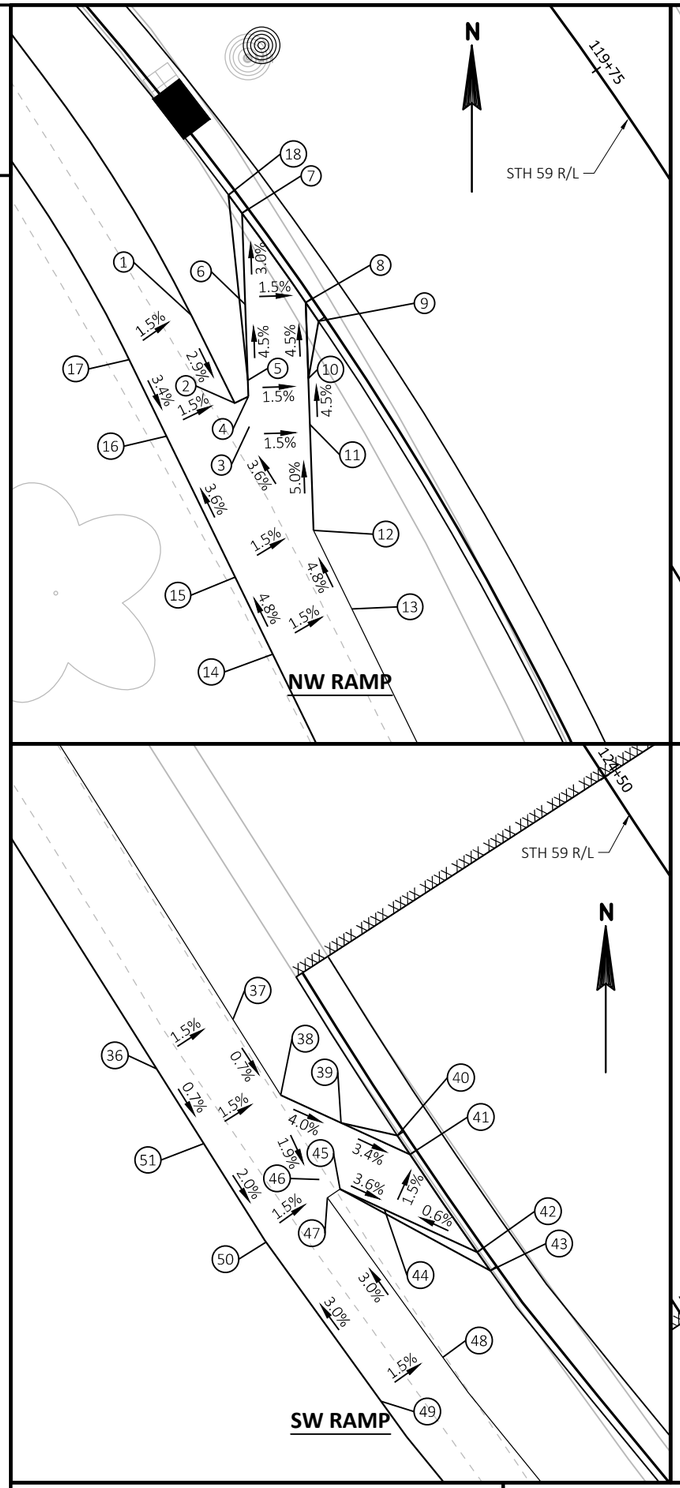
-CURB HEAD HEIGHTS THRU CURB RAMP:
- $\frac{1}{4}$" FOR 30-INCH CURB AND GUTTER
- $\frac{1}{2}$" FOR 36-INCH CURB AND GUTTER

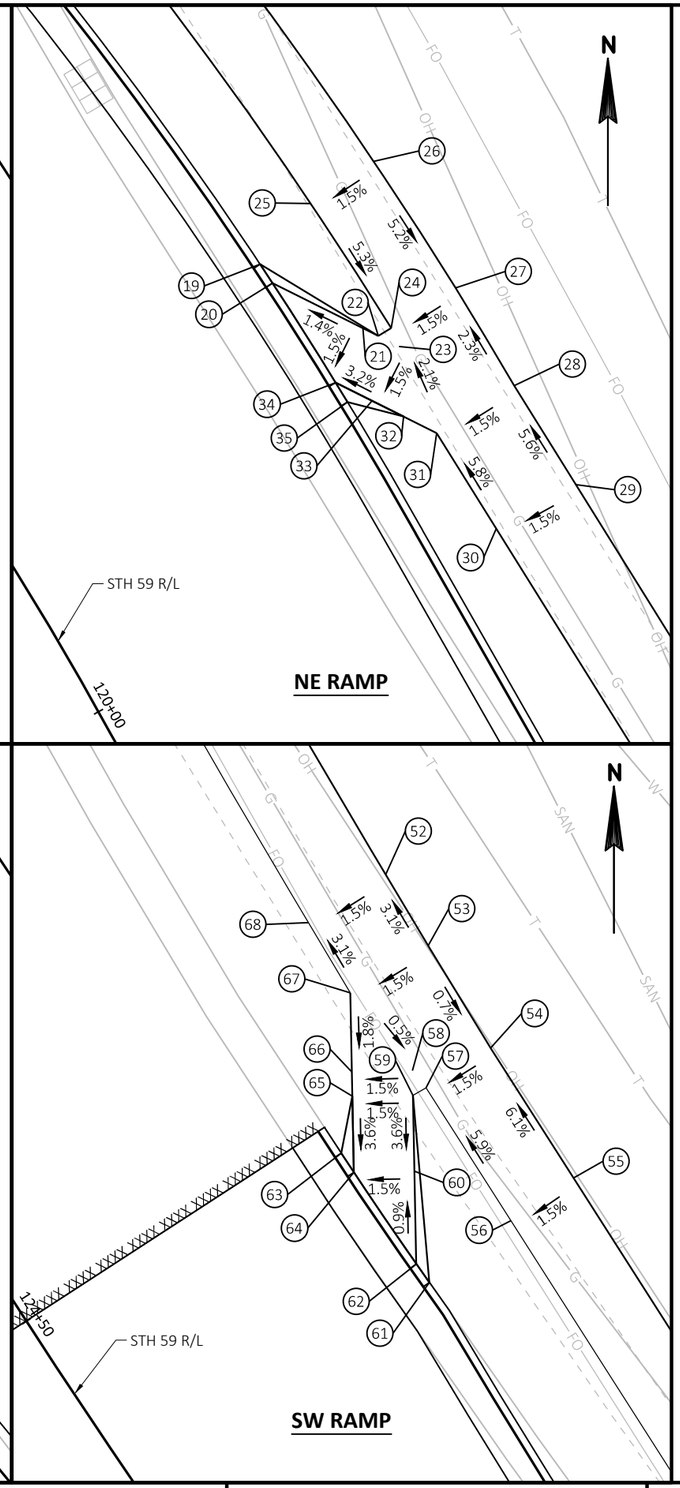
-POINTS AT CURB AND GUTTER ARE AT THE BACK OF CURB

-CURB FLANGE SLOPE IS 6.25% THROUGH CURB RAMPS

-THIS DETAIL SUPPLEMENTS STANDARD DETAIL DRAWINGS CURB RAMPS TYPES 1 AND 1-A, CURB RAMPS TYPES 2 AND 3, CURB RAMPS TYPE 4B AND 4B1, AND CURB RAMPS TYPES 5, 6, 7A, 7B, AND 8.

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CURB RAMP DETAILS - RICE STREET	SHEET 52	E





STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
1	119+72.64	31.17 RT	830.65
2	119+79.96	32.11 RT	830.46
3	119+82.06	32.17 RT	830.52
4	119+80.12	31.12 RT	830.43
5	119+79.09	30.56 RT	830.39
6	119+74.33	27.86 RT	830.16
7	119+68.73	24.50 RT	829.98
8	119+76.75	24.50 RT	830.10
9	119+78.41	24.50 RT	830.60
10	119+81.47	27.16 RT	830.33
11	119+84.42	28.74 RT	830.46
12	119+91.30	32.24 RT	830.81
13	119+97.91	32.70 RT	831.09
14	119+97.91	38.71 RT	831.18
15	119+91.24	38.26 RT	830.90
16	119+79.16	37.06 RT	830.53
17	119+72.64	36.20 RT	830.72
18	119+67.06	24.50 RT	830.43
19	119+81.27	24.50 LT	832.14
20	119+82.64	24.50 LT	831.66
21	119+87.82	27.91 LT	831.76
22	119+88.69	28.50 LT	831.79
23	119+89.87	29.31 LT	831.84
24	119+88.69	29.50 LT	831.82
25	119+79.95	29.50 LT	832.33
26	119+79.95	34.50 LT	832.41
27	119+88.69	34.50 LT	831.89
28	119+95.29	34.50 LT	832.06
29	120+02.06	34.82 LT	832.49
30	120+02.06	28.81 LT	832.40
31	119+95.40	28.50 LT	831.97
32	119+93.55	27.17 LT	831.88
33	119+91.78	25.92 LT	831.78
34	119+89.72	24.50 LT	831.70

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
35	119+91.08	24.50 LT	832.18
36	124+50.00	35.28 RT	840.32
37	124+50.00	29.28 RT	840.23
38	124+55.63	29.39 RT	840.18
39	124+59.21	27.10 RT	840.01
40	124+61.87	24.49 RT	840.30
41	124+63.31	24.51 RT	839.84
42	124+70.82	24.53 RT	839.94
43	124+72.27	24.52 RT	840.44
44	124+65.28	27.94 RT	839.90
45	124+62.63	29.60 RT	840.02
46	124+61.39	30.38 RT	840.07
47	124+62.63	30.60 RT	840.04
48	124+75.00	30.37 RT	840.43
49	124+75.00	35.38 RT	840.51
50	124+62.76	35.60 RT	840.12
51	124+55.50	35.39 RT	840.27
52	124+37.50	35.82 LT	839.94
53	124+43.29	35.72 LT	840.11
54	124+51.69	35.51 LT	840.06
55	124+62.50	35.30 LT	840.67
56	124+62.50	30.30 LT	840.60
57	124+51.55	30.51 LT	839.98
58	124+50.05	30.38 LT	839.99
59	124+51.50	29.51 LT	839.96
60	124+55.93	26.84 LT	839.78
61	124+62.85	23.55 LT	840.33
62	124+61.30	23.52 LT	839.83
63	124+52.12	23.46 LT	840.17
64	124+53.69	23.46 LT	839.72
65	124+49.26	26.13 LT	839.90
66	124+47.83	26.98 LT	839.93
67	124+43.17	29.71 LT	840.02
68	124+37.50	29.82 LT	839.85

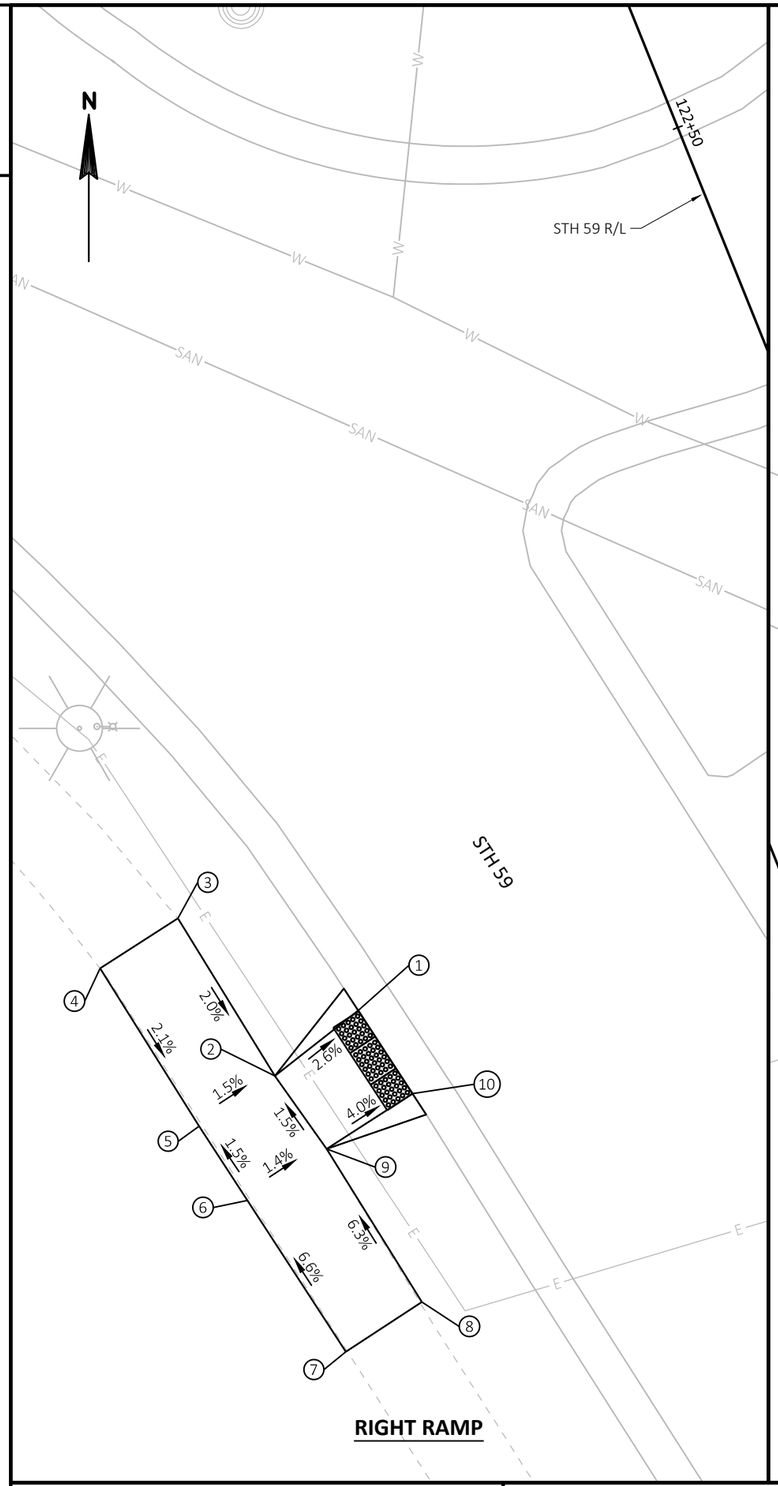
NOTES:
-STATION AND OFFSET ARE TO STH 59 R/L UNLESS NOTED OTHERWISE

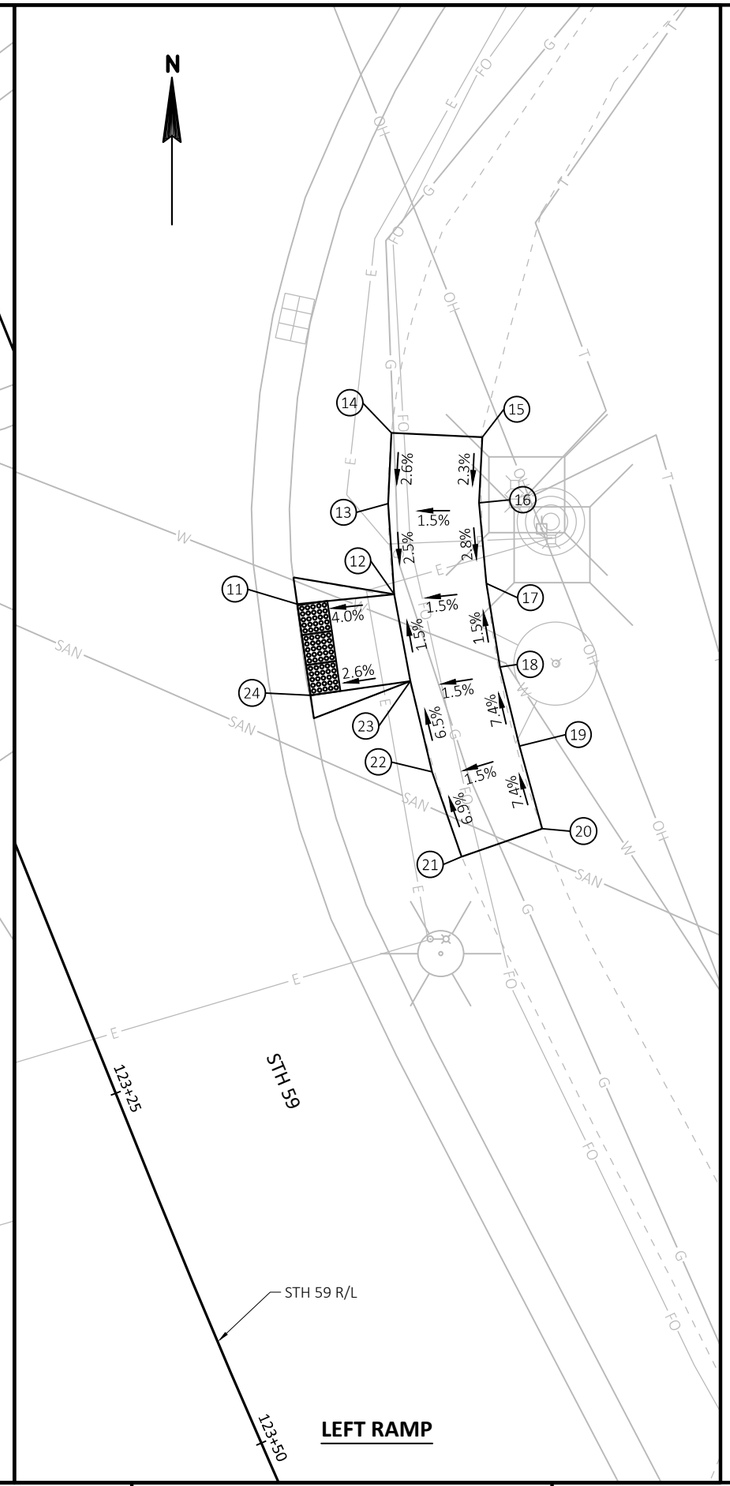
-CURB HEAD HEIGHTS THRU CURB RAMP:
- $\frac{1}{4}$" FOR 30-INCH CURB AND GUTTER
- $\frac{1}{2}$" FOR 36-INCH CURB AND GUTTER

-POINTS AT CURB AND GUTTER ARE AT THE BACK OF CURB

-CURB FLANGE SLOPE IS 6.25% THROUGH CURB RAMPS

-THIS DETAIL SUPPLEMENTS STANDARD DETAIL DRAWINGS CURB RAMPS TYPES 1 AND 1-A, CURB RAMPS TYPES 2 AND 3, CURB RAMPS TYPE 4B AND 4B1, AND CURB RAMPS TYPES 5, 6, 7A, 7B, AND 8.





STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
1	122+96.12	41.35 RT	835.21
2	122+98.07	48.06 RT	835.40
3	122+86.03	50.11 RT	835.64
4	122+87.18	56.11 RT	835.75
5	122+99.27	53.94 RT	835.49
6	123+05.01	52.82 RT	835.57
7	123+16.70	50.54 RT	836.36
8	123+15.54	44.66 RT	836.24
9	123+03.82	46.71 RT	835.49
10	123+02.56	40.08 RT	835.22
11	122+99.56	23.18 LT	835.75
12	123+01.34	29.36 LT	836.01
13	122+95.65	31.22 LT	836.15
14	122+91.40	33.18 LT	836.28
15	122+93.91	38.63 LT	836.35
16	122+97.85	36.82 LT	836.25
17	123+02.95	35.27 LT	836.10
18	123+08.42	34.04 LT	836.18
19	123+13.73	33.27 LT	836.58
20	123+19.34	32.64 LT	837.00
21	123+19.06	27.02 LT	836.90
22	123+13.14	27.29 LT	836.49
23	123+07.07	28.21 LT	836.09
24	123+05.46	21.74 LT	835.92

NOTES:
-STATION AND OFFSET ARE TO STH 59 R/L UNLESS NOTED OTHERWISE

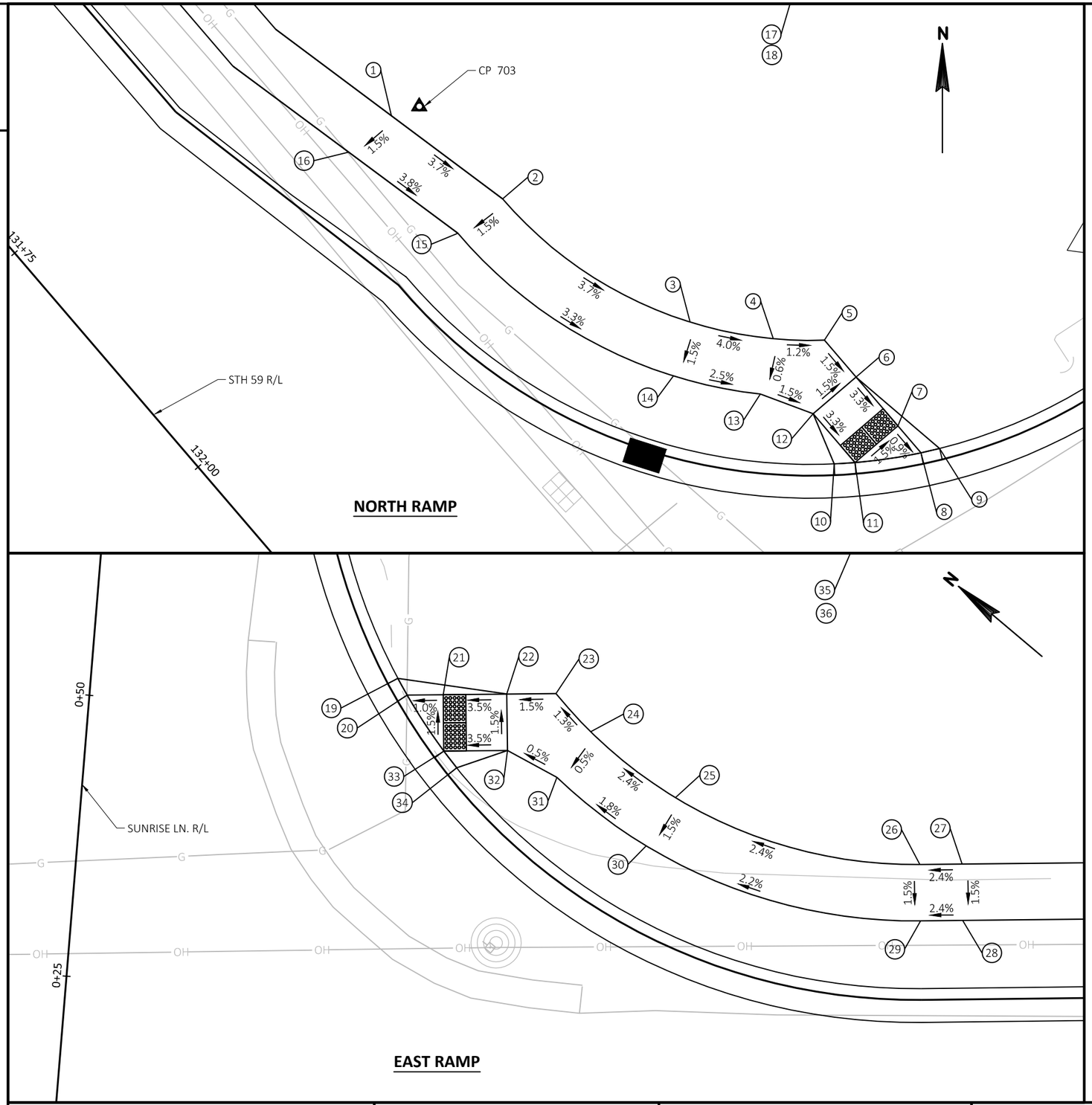
-CURB HEAD HEIGHTS THRU CURB RAMP:
- $\frac{1}{4}$" FOR 30-INCH CURB AND GUTTER
- $\frac{1}{2}$" FOR 36-INCH CURB AND GUTTER

-POINTS AT CURB AND GUTTER ARE AT THE BACK OF CURB

-CURB FLANGE SLOPE IS 6.25% THROUGH CURB RAMPS

-THIS DETAIL SUPPLEMENTS STANDARD DETAIL DRAWINGS CURB RAMPS TYPES 1 AND 1-A, CURB RAMPS TYPES 2 AND 3, CURB RAMPS TYPE 4B AND 4B1, AND CURB RAMPS TYPES 5, 6, 7A, 7B, AND 8.

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CURB RAMP DETAILS - CLAY STREET / BLUFF ROAD ROUNDABOUT SOUTH RAMPS	SHEET 54	E



STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
1	131+87.50	33.30 LT	836.26
2	131+99.52	36.00 LT	835.80
3	132+18.65	41.50 LT	835.05
4	132+24.57	46.15 LT	834.74
5	132+27.61	49.50 LT	834.69
6	132+31.93	49.50 LT	834.62
7	132+37.62	49.50 LT	834.44
8	132+40.77	49.50 LT	834.41
9	132+41.56	51.00 LT	834.84
10	132+36.51	43.02 LT	835.01
11	132+37.63	44.50 LT	834.51
12	132+31.93	44.50 LT	834.70
13	132+27.55	42.09 LT	834.77
14	132+21.31	37.27 LT	834.97
15	131+99.26	31.00 LT	835.73
16	131+87.50	28.33 LT	836.19
19	132+90.12	51.01 LT	834.67
20	132+90.93	49.51 LT	834.25
21	132+94.13	49.51 LT	834.28
22	132+99.77	49.52 LT	834.48
23	133+04.14	49.52 LT	834.54
24	133+07.17	46.10 LT	834.60
25	133+14.63	40.17 LT	834.83
26	133+36.25	34.00 LT	835.39
27	133+40.00	34.00 LT	835.48
28	133+40.00	29.00 LT	835.40
29	133+36.25	29.00 LT	835.31
30	133+11.99	35.92 LT	834.76
31	133+04.13	42.07 LT	834.58
32	132+99.77	44.52 LT	834.55
33	132+94.14	44.52 LT	834.35
34	132+95.26	43.01 LT	834.85

RADIUS TABLE			
POINT	STATION	OFFSET	RADIUS
17	131+99.52	72.00 LT	36'
18	131+99.52	72.00 LT	41'
35	133+36.25	75.00 LT	41'
36	133+36.25	75.00 LT	46'

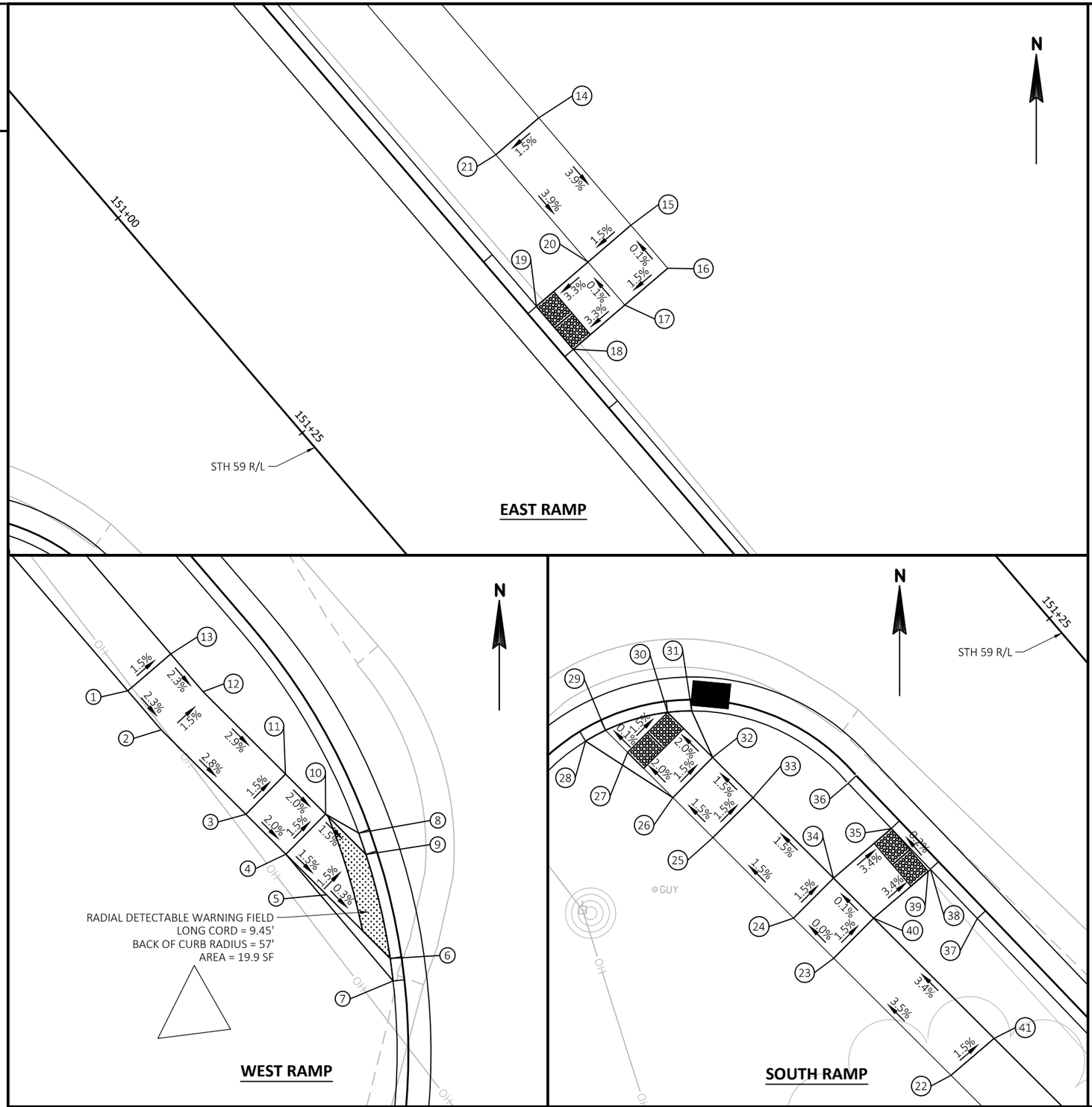
NOTES:
-STATION AND OFFSET ARE TO STH 59 R/L UNLESS NOTED OTHERWISE

-CURB HEAD HEIGHTS THRU CURB RAMP:
$\frac{1}{4}$" FOR 30-INCH CURB AND GUTTER
$\frac{1}{2}$" FOR 36-INCH CURB AND GUTTER

-POINTS AT CURB AND GUTTER ARE AT THE BACK OF CURB

-CURB FLANGE SLOPE IS 6.25% THROUGH CURB RAMPS

-THIS DETAIL SUPPLEMENTS STANDARD DETAIL DRAWINGS CURB RAMPS TYPES 1 AND 1-A, CURB RAMPS TYPES 2 AND 3, CURB RAMPS TYPE 4B AND 4B1, AND CURB RAMPS TYPES 5, 6, 7A, 7B, AND 8.



STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
1	150+15.00	43.00 RT	850.65
2	150+19.54	43.00 RT	850.55
3	150+30.08	42.18 RT	850.25
4	150+35.06	41.80 RT	850.15
5	150+40.10	41.41 RT	850.08
6	150+48.06	40.79 RT	850.05
7	150+49.74	41.89 RT	850.53
8	150+37.84	35.69 RT	850.45
9	150+39.68	36.43 RT	850.00
10	150+34.65	36.82 RT	850.08
11	150+29.66	37.21 RT	850.18
12	150+19.40	38.00 RT	850.47
13	150+15.00	38.00 RT	850.58
14	151+17.50	34.00 LT	851.17
15	151+30.00	34.00 LT	850.69
16	151+35.00	34.00 LT	850.69
17	151+35.00	29.00 LT	850.61
18	151+35.00	23.00 LT	850.42
19	151+30.00	23.00 LT	850.41
20	151+30.00	29.00 LT	850.61
21	151+17.50	29.00 LT	851.10

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
22	151+50.00	32.89 RT	851.24
23	151+35.39	34.03 RT	850.72
24	151+30.39	34.41 RT	850.72
25	151+20.35	35.19 RT	850.57
26	151+15.37	35.58 RT	850.50
27	151+09.74	36.01 RT	850.38
28	151+06.56	38.18 RT	850.91
29	151+06.98	36.23 RT	850.38
30	151+09.35	31.03 RT	850.31
31	151+10.63	29.33 RT	850.75
32	151+14.95	30.60 RT	850.42
33	151+19.97	30.21 RT	850.50
34	151+30.00	29.43 RT	850.65
35	151+30.00	22.70 RT	850.42
36	151+24.50	23.00 RT	850.86
37	151+40.99	22.10 RT	850.90
38	151+35.00	22.42 RT	850.43
39	151+35.00	22.69 RT	850.43
40	151+35.00	29.04 RT	850.64
41	151+50.00	27.88 RT	851.16

NOTES:
-STATION AND OFFSET ARE TO STH 59 R/L UNLESS NOTED OTHERWISE

-CURB HEAD HEIGHTS THRU CURB RAMP:
- 1/2" FOR 30-INCH CURB AND GUTTER
- 1/2" FOR 36-INCH CURB AND GUTTER

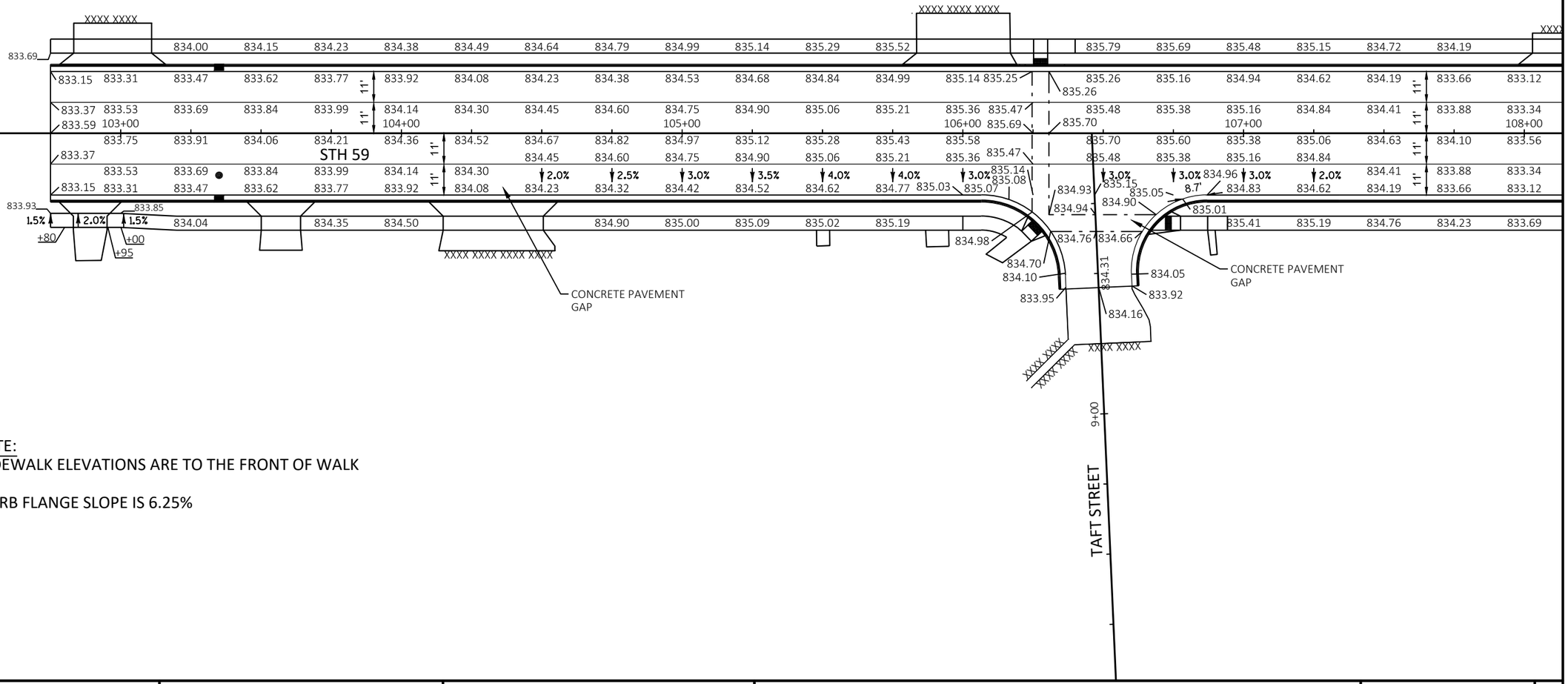
-POINTS AT CURB AND GUTTER ARE AT THE BACK OF CURB

-CURB FLANGE SLOPE IS 6.25% THROUGH CURB RAMPS

-THIS DETAIL SUPPLEMENTS STANDARD DETAIL DRAWINGS CURB RAMPS TYPES 1 AND 1-A, CURB RAMPS TYPES 2 AND 3, CURB RAMPS TYPE 4B AND 4B1, AND CURB RAMPS TYPES 5, 6, 7A, 7B, AND 8.

2

N



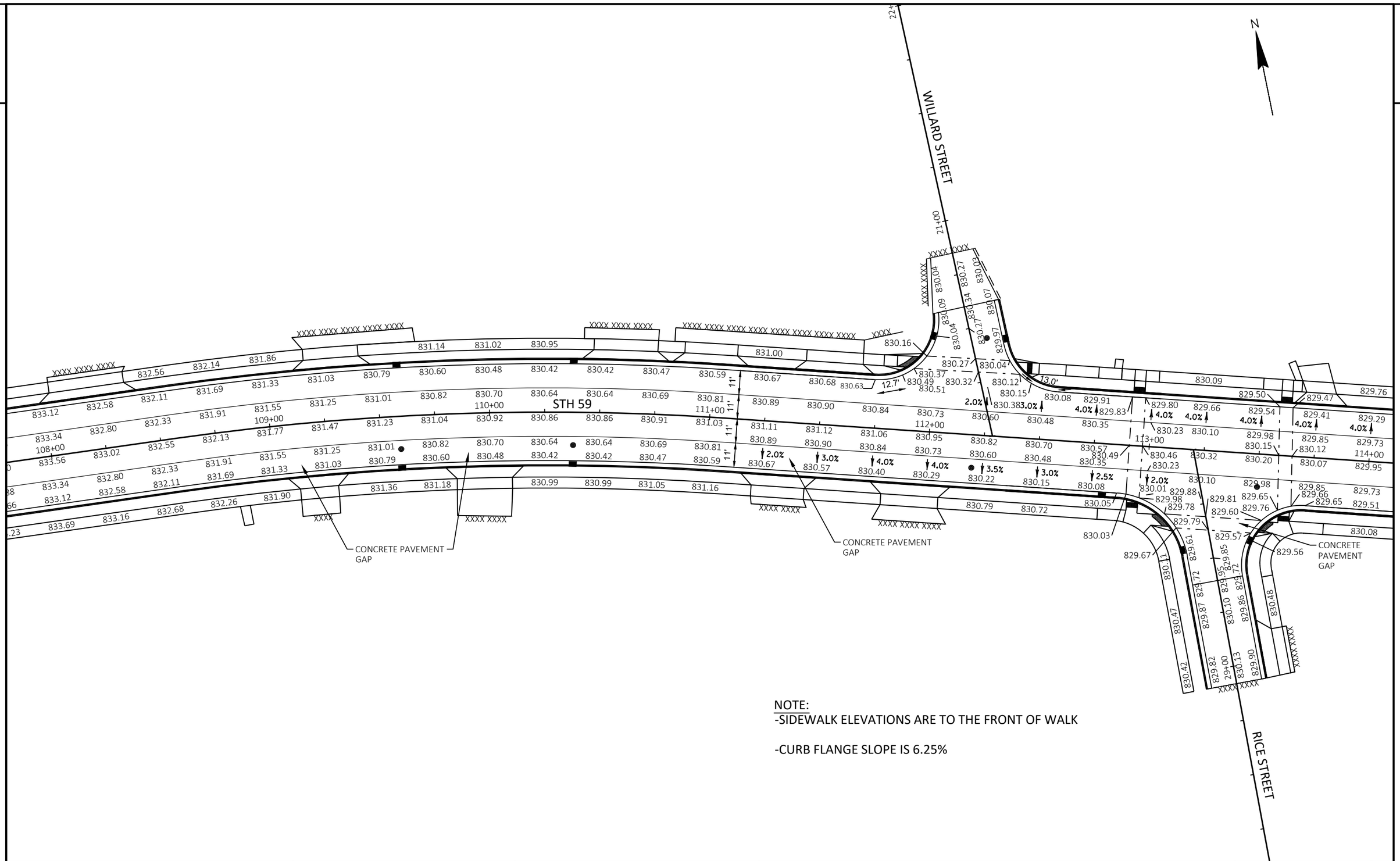
NOTE:
-SIDEWALK ELEVATIONS ARE TO THE FRONT OF WALK

-CURB FLANGE SLOPE IS 6.25%

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PAVEMENT GRADES	SHEET 57	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\021306-PG.DWG
LAYOUT NAME - 06-pg
PLOT DATE : 3/15/2018 8:11 AM
PLOT BY : GUENETTE, JEFFREY J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



NOTE:
-SIDEWALK ELEVATIONS ARE TO THE FRONT OF WALK

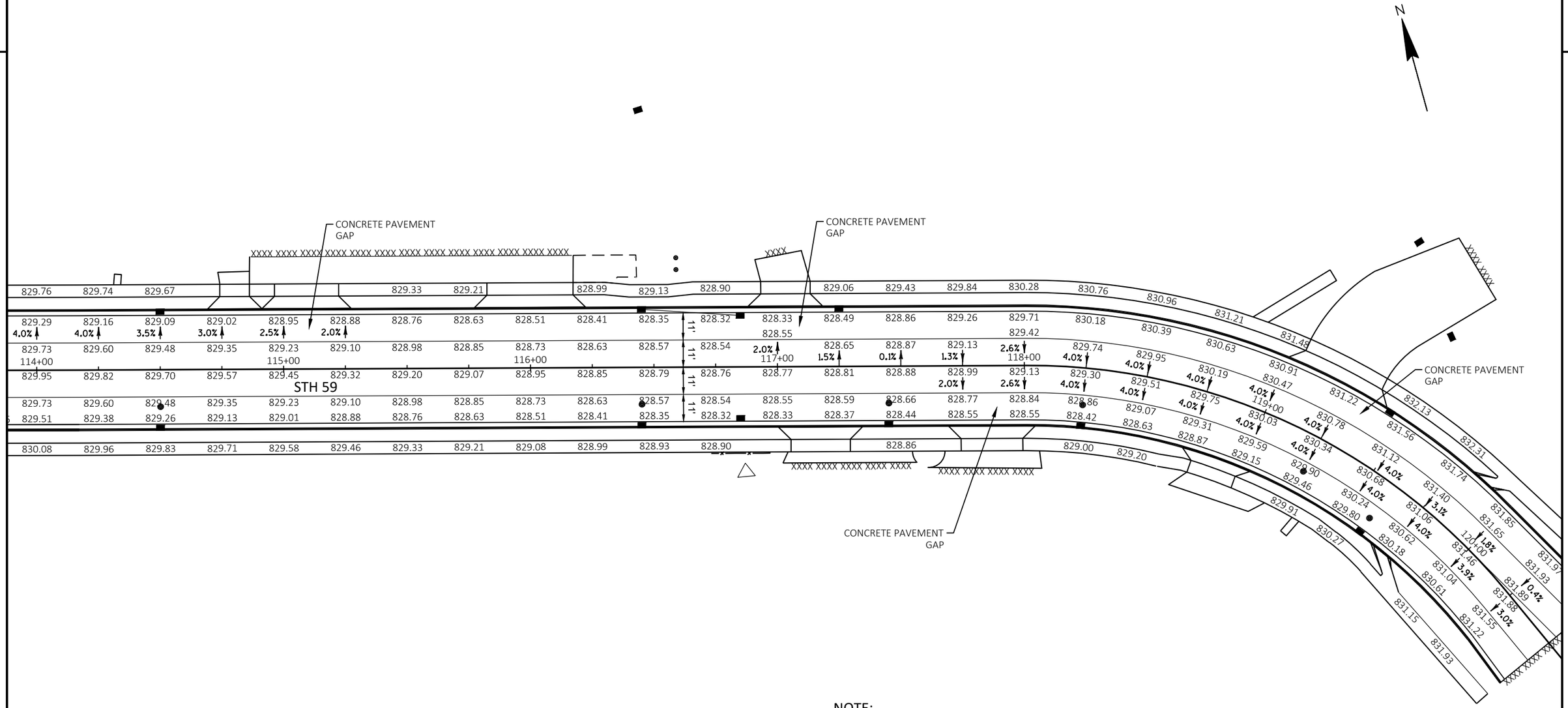
-CURB FLANGE SLOPE IS 6.25%

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PAVEMENT GRADES	SHEET 58	E

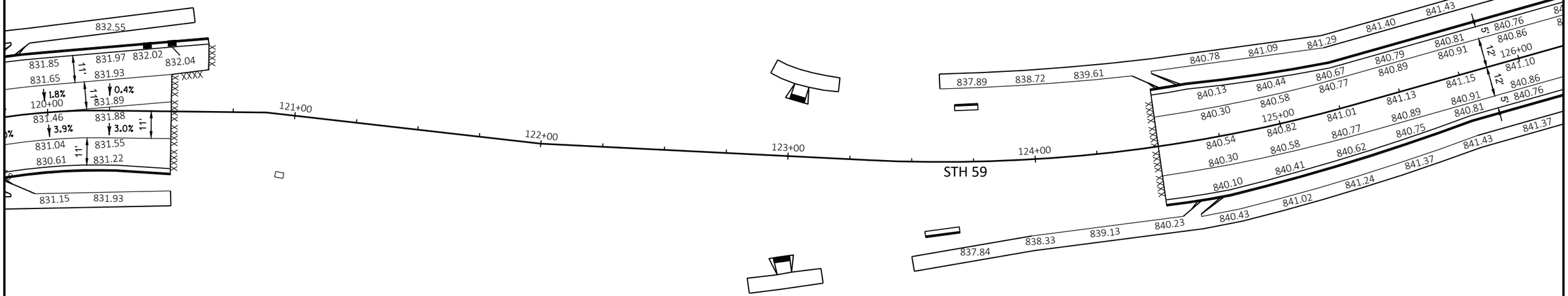
FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\021306-PG.DWG
LAYOUT NAME - 07-pg

PLOT DATE : 3/15/2018 8:11 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2


N
CONCRETE PAVEMENT GAP
CONCRETE PAVEMENT GAP
CONCRETE PAVEMENT GAP
CONCRETE PAVEMENT GAP
STH 59
114+00
115+00
116+00
117+00
118+00
119+00
120+00
829.76 829.74 829.67 829.33 829.21 828.99 829.13 828.90 829.06 829.43 829.84 830.28 830.76 830.96 831.21 831.48
829.29 829.16 829.09 829.02 828.95 828.88 828.76 828.63 828.51 828.41 828.35 828.32 828.33 828.49 828.86 829.26 829.71 830.18 830.39 830.63 830.91 831.22 831.56 832.31
4.0% 4.0% 3.5% 3.0% 2.5% 2.0%
828.55 829.42
829.73 829.60 829.48 829.35 829.23 829.10 828.98 828.85 828.73 828.63 828.57 828.54 828.65 828.87 829.13 829.74 829.95 830.19 830.47 830.78 831.12 831.74
2.0% 1.5% 0.1% 1.3% 2.6% 4.0% 4.0% 4.0% 4.0% 4.0% 4.0%
829.95 829.82 829.70 829.57 829.45 829.32 829.20 829.07 828.95 828.85 828.79 828.76 828.77 828.81 828.88 828.99 829.13 829.30 829.51 829.75 830.03 830.34 830.68 831.06 831.46 831.89
2.0% 2.6% 4.0% 4.0% 4.0% 4.0% 4.0% 4.0% 3.1% 1.8% 0.4%
829.73 829.60 829.48 829.35 829.23 829.10 828.98 828.85 828.73 828.63 828.57 828.54 828.55 828.59 828.66 828.77 828.84 828.86 829.07 829.31 829.59 829.90 830.24 830.62 831.04 831.55
829.51 829.38 829.26 829.13 829.01 828.88 828.76 828.63 828.51 828.41 828.35 828.32 828.33 828.37 828.44 828.55 828.55 828.42 828.63 828.87 829.15 829.46 829.80 830.18 830.61 831.15 831.93
3.9% 4.0% 3.0%
830.08 829.96 829.83 829.71 829.58 829.46 829.33 829.21 829.08 828.99 828.93 828.90 828.86 829.00 829.20 829.41 829.65 829.91 830.27 830.72 831.22 831.85 832.59
XXXX XXXX XXXX XXXX XXXX
XXXX XXXX XXXX XXXX
XXXX XXXX XXXX XXXX XXXX

2



NOTE:
-STA 117+00 TO 120+50 OUTSIDE SHOULDER SLOPES MATCH ADJACENT LANE SLOPE

-SIDEWALK ELEVATIONS ARE TO THE FRONT OF WALK

-CURB FLANGE SLOPE IS 6.25%

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PAVEMENT GRADES	SHEET 60	E

2

N

CONCRETE PAVEMENT GAP

CONCRETE PAVEMENT GAP

XXXX

841.37	841.25	841.13	841.00	840.88	840.75	840.63	840.50	840.38	840.25	840.12	839.93		839.36	838.98	838.53	838.04	837.56	837.18	836.88	836.67		836.22	836.29	835.70
840.76	840.64	840.51	840.39	840.26	840.14	5'	840.01	839.89	839.76	839.64	839.50	839.32	839.06	838.75	838.37	837.92	837.42	836.95	836.56	836.27	836.06	835.93	835.80	835.68	835.45
840.86	840.74	840.61	840.49	840.36	840.24	12'	840.11	839.99	839.86	839.74	839.60	839.42	839.16	838.85	838.47	838.02	837.52	837.05	836.66	836.37	836.16	836.03	835.90	835.78	835.65
126+00				127+00					128+00	STH 59			129+00				130+00				131+00				132+00
841.10	840.98	840.85	840.73	840.60	840.48	12'	840.35	840.23	840.10	839.98	839.84	839.66	839.40	839.09	838.71	838.26	837.76	837.29	836.90	836.61	836.40	836.27	836.14	836.02	835.89
840.86	840.74	840.61	840.49	840.36	840.24	12'	840.11	839.99	839.86	839.74	839.60	839.42	839.16	838.85	838.47	838.02	837.52	837.05	836.66	836.37	836.16	836.03	835.90	835.78	835.65
840.76	840.64	840.51	840.39	840.26	840.14	5'	840.01	839.89	839.76	839.64	839.50	839.32	839.06	838.75	838.37	837.92	837.42	836.95	836.56	836.27	836.06	835.93	835.80	835.68	835.49
841.37		841.13	841.00	840.88	840.75	840.63		840.38	840.25	840.12	839.93	839.68	839.36			838.04	837.56	837.18	836.88	836.67	836.54	836.42	836.29	836.11

CONCRETE PAVEMENT GAP

CONCRETE PAVEMENT GAP

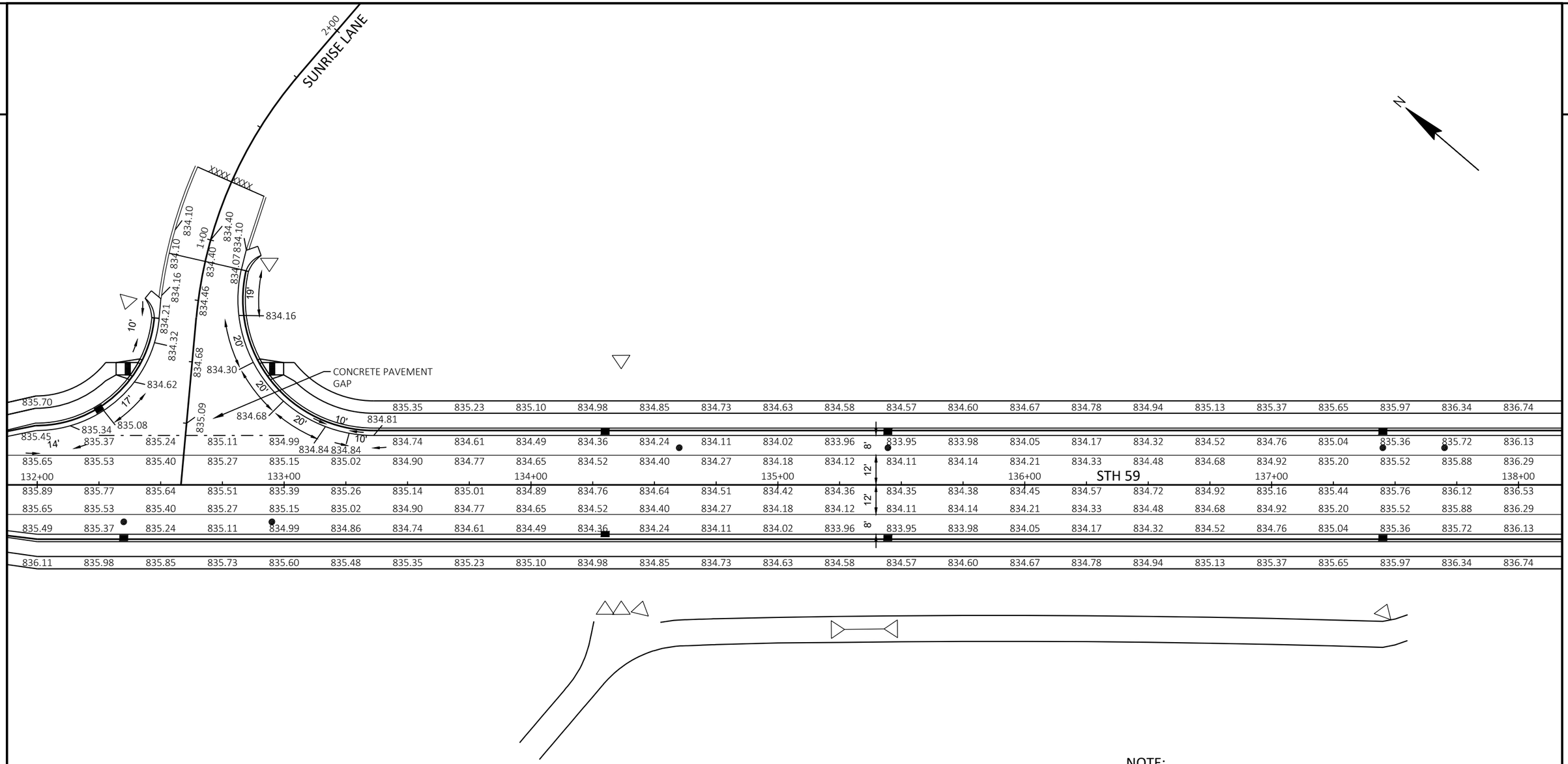
NOTE:
-SIDEWALK ELEVATIONS ARE TO THE FRONT OF WALK

-CURB FLANGE SLOPE IS 6.25%

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PAVEMENT GRADES	SHEET 61	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\021306-PG.DWG
LAYOUT NAME - 10-pg
PLOT DATE : 3/15/2018 8:11 AM
PLOT BY : GUENETTE, JEFFREY J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



NOTE:
-SIDEWALK ELEVATIONS ARE TO THE FRONT OF WALK

-CURB FLANGE SLOPE IS 6.25%

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PAVEMENT GRADES	SHEET 62	E

2

N

CONCRETE PAVEMENT GAP

836.74	837.19	837.65	838.11	838.57	839.03	839.49	839.95	840.41	840.87	841.33	841.79	842.25	842.71	843.17	843.63	844.09	844.55	845.01		845.93	846.35	846.73	847.34	
836.13	836.57	837.03	837.49	837.95	838.41	838.87	839.33	839.79	840.25	8'	840.71	841.17	841.63	842.09	842.56	843.02	843.48	843.94	844.40	844.86	845.31	845.74	846.11	846.44	846.73	
836.29	836.73	837.19	837.65	838.11	838.57	839.03	839.49	839.95	840.41	12'	840.87	841.33	841.79	842.25	842.72	843.18	843.64	844.10	844.56	845.02	845.47	845.90	846.27	846.60	846.89	
138+00				139+00				140+00				141+00	STH 59			142+00					143+00				144+00	
836.53	836.97	837.43	837.89	838.35	838.81	839.27	839.73	840.19	840.65	12'	841.11	841.57	842.03	842.49	842.96	843.42	843.88	844.34	844.80	845.26	845.71	846.14	846.51	846.84	847.13	
836.29	836.73	837.19	837.65	838.11	838.57	839.03	839.49	839.95	840.41		840.87	841.33	841.79	842.25	842.72	843.18	843.64	844.10	844.56	845.02	845.47	845.90	846.27	846.60	846.89	
836.13	836.57	837.03	837.49	837.95	838.41	838.87	839.33	839.79	840.25	8'	840.71	841.17	841.63	842.09	842.56	843.02	843.48	843.94	844.40	844.86	845.31	845.74	846.11	846.44	846.73	
836.74	837.19	837.65	838.11	838.57	839.03	839.49	839.95	840.41	840.87		841.33	841.79	842.25	842.71	843.17	843.63	844.09	844.55	845.01	845.47	845.93	846.35	846.73		847.34	

XXXX

CONCRETE PAVEMENT GAP

NOTE:
-SIDEWALK ELEVATIONS ARE TO THE FRONT OF WALK

-CURB FLANGE SLOPE IS 6.25%

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PAVEMENT GRADES	SHEET 63	E

2

N

847.34	847.58	847.77	847.92	848.05	848.18	848.31	848.44	848.58	848.71	848.84	848.97	849.10	849.23	849.36	849.50	849.63	849.76	849.89	850.02	850.15	850.28	850.41	850.55	850.68
846.73	846.96	847.16	847.30	847.43	847.57	847.70	847.83	847.96	848.09	848.22	848.35	848.49	848.62	848.75	848.88	849.01	849.14	849.27	849.41	849.54	849.67	849.80	849.93	850.06
846.89	847.12	847.32	847.46	847.59	847.73	847.86	847.99	848.12	848.25	848.38	848.51	848.65	848.78	848.91	849.04	849.17	849.30	849.43	849.57	849.70	849.83	849.96	850.09	850.22
144+00				145+00				146+00				147+00				148+00				149+00				150+00
847.13	847.36	847.56	847.70	847.83	847.97	848.10	848.23	848.36	848.49	848.62	848.75	848.89	849.02	849.15	849.28	849.41	849.54	849.67	849.81	849.94	850.07	850.20	850.33	850.46
846.89	847.12	847.32	847.46	847.59	847.73	847.86	847.99	848.12	848.25	848.38	848.51	848.65	848.78	848.91	849.04	849.17	849.30	849.43	849.57	849.70	849.83	849.96	850.09	850.22
846.73	846.96	847.16	847.30	847.43	847.57	847.70	847.83	847.96	848.09	848.22	848.35	848.49	848.62	848.75	848.85	848.94	849.03	849.12	849.23	849.36	849.49	849.62	849.75	849.88
847.34	847.58	847.77			848.18	848.31	848.44	848.58	848.71	848.84	848.97	849.10	849.23	849.36	849.46	849.56	849.65	849.74	849.84	849.97	850.10	850.23	850.37	850.50

8'
12'
12'
8'
17'

STH 59

XXXX XXXX

CONCRETE PAVEMENT GAP

NOTE:
-SIDEWALK ELEVATIONS ARE TO THE FRONT OF WALK

-CURB FLANGE SLOPE IS 6.25%

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PAVEMENT GRADES	SHEET 64	E

2

N

850.68 850.81 850.91 851.00 851.06

850.06 850.19 850.30 850.39 850.45 850.49 850.51 850.51 850.48 850.43 8' 850.36 850.27 850.15 850.05 850.01 850.02 850.08 850.19 850.35 850.48 850.67 850.87

850.22 850.35 850.46 850.55 850.61 850.65 850.67 850.67 850.64 850.59 12' 850.52 850.43 850.31 850.21 850.17 850.18 850.24 850.35 850.51 850.67 850.83 850.99

150+00 151+00 152+00 STH 59 153+00 154+00 155+00 851.23 156+00

850.46 850.59 850.70 850.79 850.85 850.89 850.91 850.91 850.88 850.83 12' 850.76 850.67 850.55 850.45 850.41 850.42 850.48 850.59 850.75 850.91 851.07

850.22 850.35 850.46 850.55 850.61 850.53 850.65 850.67 850.67 850.64 850.59 12' 850.52 850.43 850.31 850.21 850.17 850.18 850.24 850.35 850.51 850.67 850.83 850.99

850.20 850.34 2.0% 1.0% 1.0% 2.0% 850.53 850.49 850.54 850.55 850.55 850.52 850.47 6' 850.40 850.31 850.19 850.09 850.05 850.06 850.12 850.23 850.39 850.52 850.71 850.87

10' +60 850.01 24' 850.14 8' 850.29 850.61 7' 15' 851.49 850.61 850.60 850.49 850.36 850.40 5' 850.43 5' 850.60 5' 850.95 15' 852.48 852.66 852.35 853.42 854.26 854.47 1+00 853.72 854.56 854.77 853.42 854.26 854.47 855.43 855.43 2+00 3+00

849.88 849.98 850.50 851.16 851.16 851.13 851.09 850.90 850.80 850.69 850.64 850.66 850.67

OLD COUNTY P

NOTE:
-SIDEWALK ELEVATIONS ARE TO THE FRONT OF WALK

-CURB FLANGE SLOPE IS 6.25%

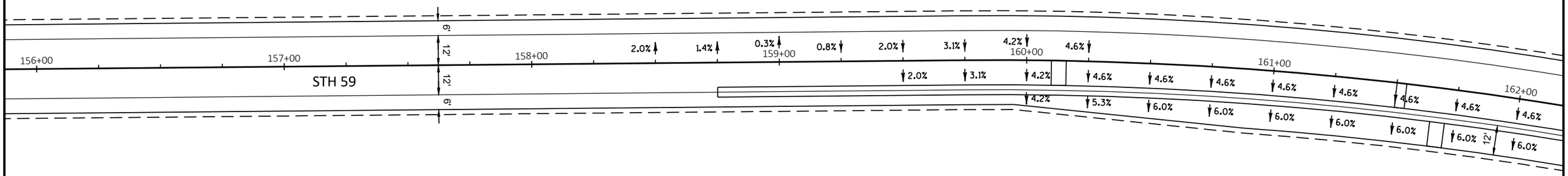
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PAVEMENT GRADES	SHEET 65	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\021306-PG.DWG
LAYOUT NAME - 14-pg

PLOT DATE : 3/15/2018 8:11 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

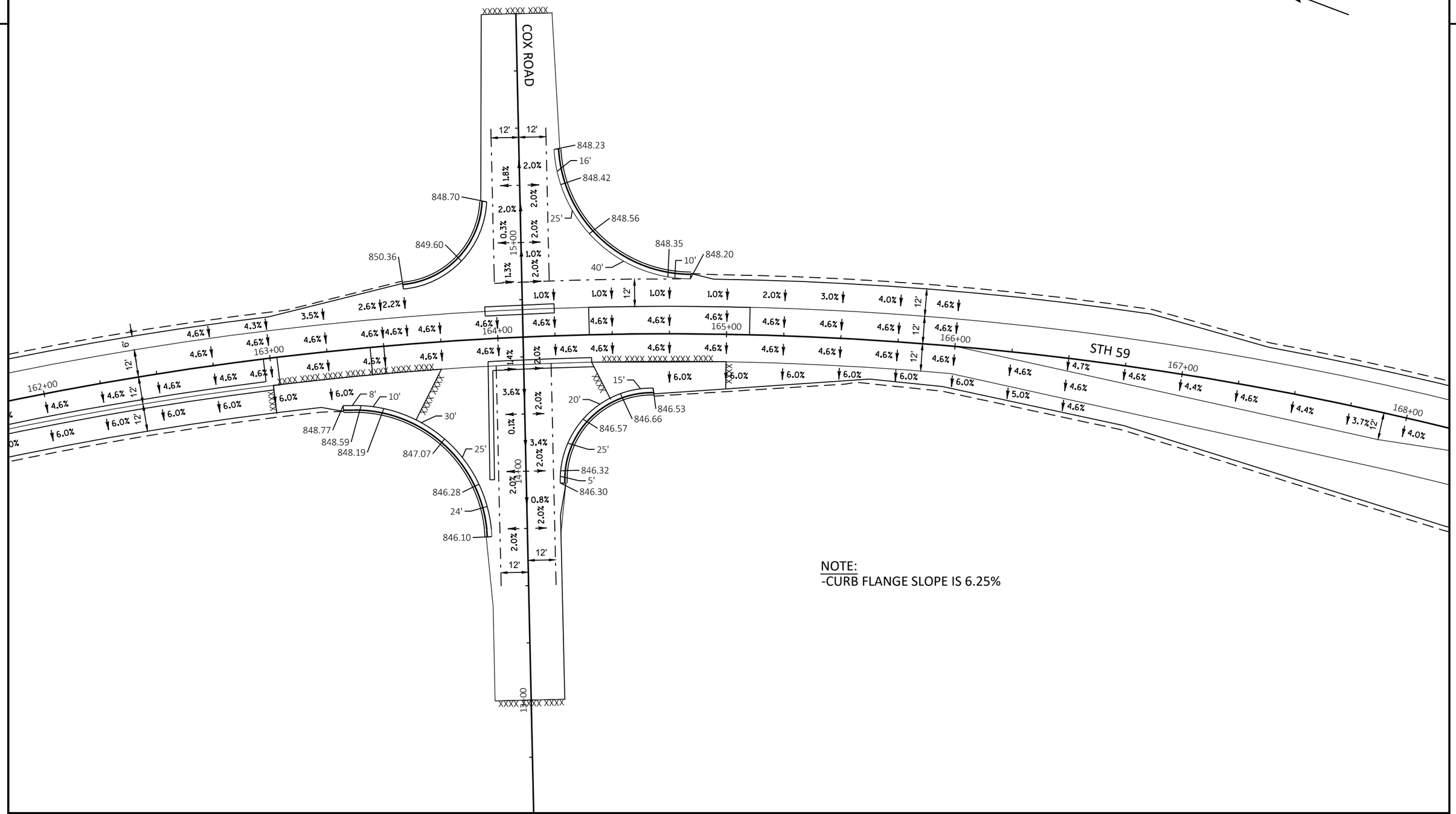


PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PAVEMENT GRADES	SHEET 66	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\021306-PG.DWG
LAYOUT NAME - 15-pg

PLOT DATE : 3/15/2018 8:11 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



NOTE:
-CURB FLANGE SLOPE IS 6.25%

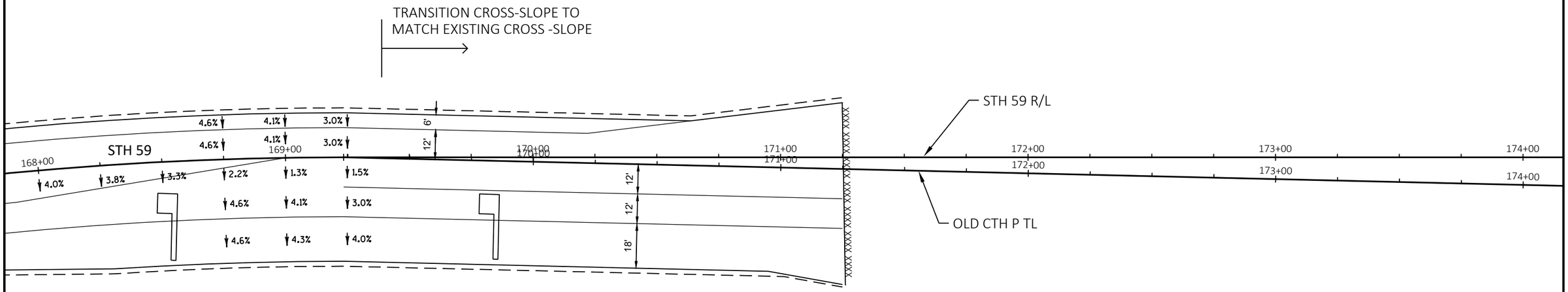
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PAVEMENT GRADES	SHEET 67	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\021306-PG.DWG
LAYOUT NAME - 16-pg

PLOT DATE : 3/15/2018 8:11 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

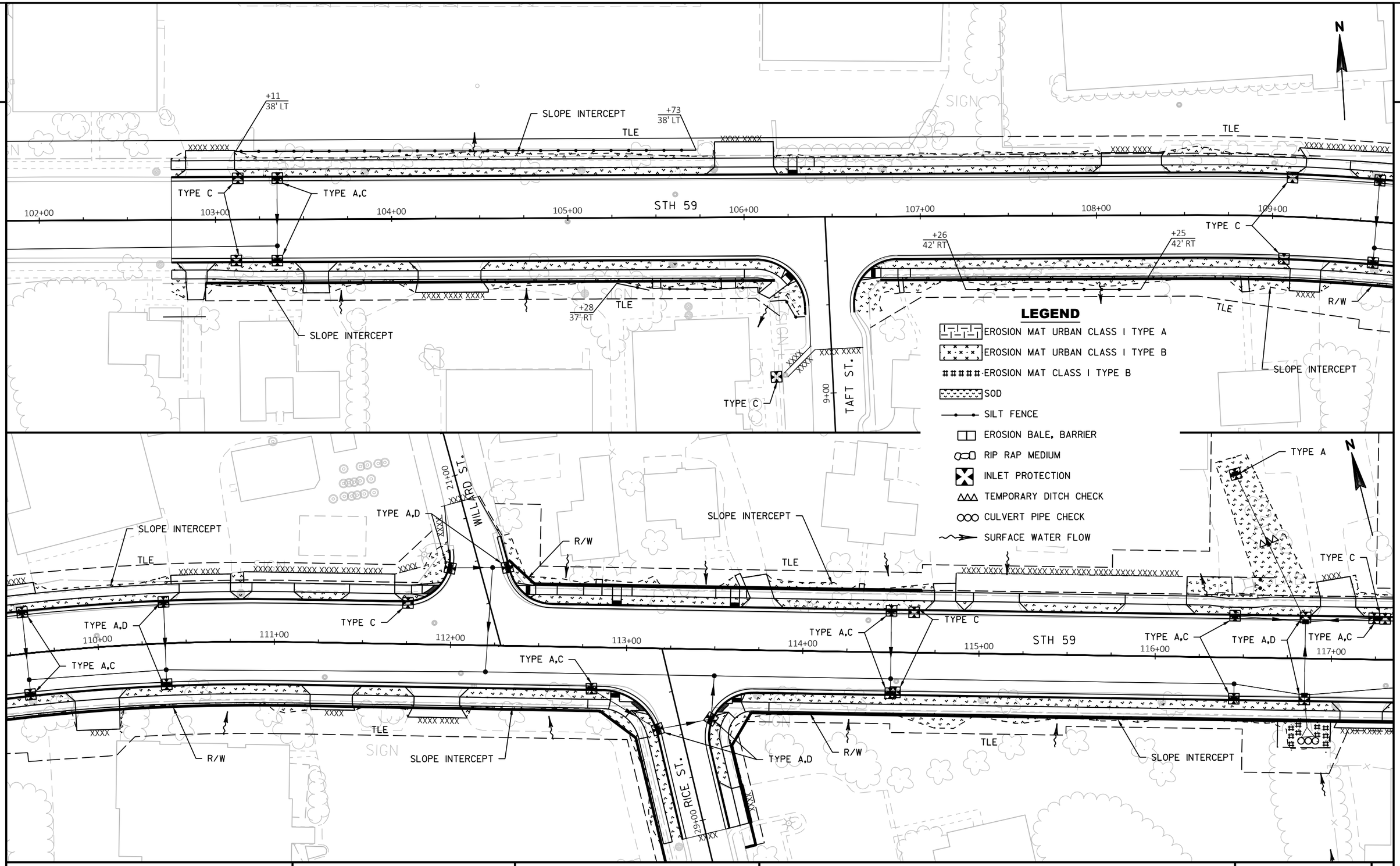
N



PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PAVEMENT GRADES	SHEET 68	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\021306-PG.DWG
LAYOUT NAME - 17-pg

PLOT DATE : 3/15/2018 8:11 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

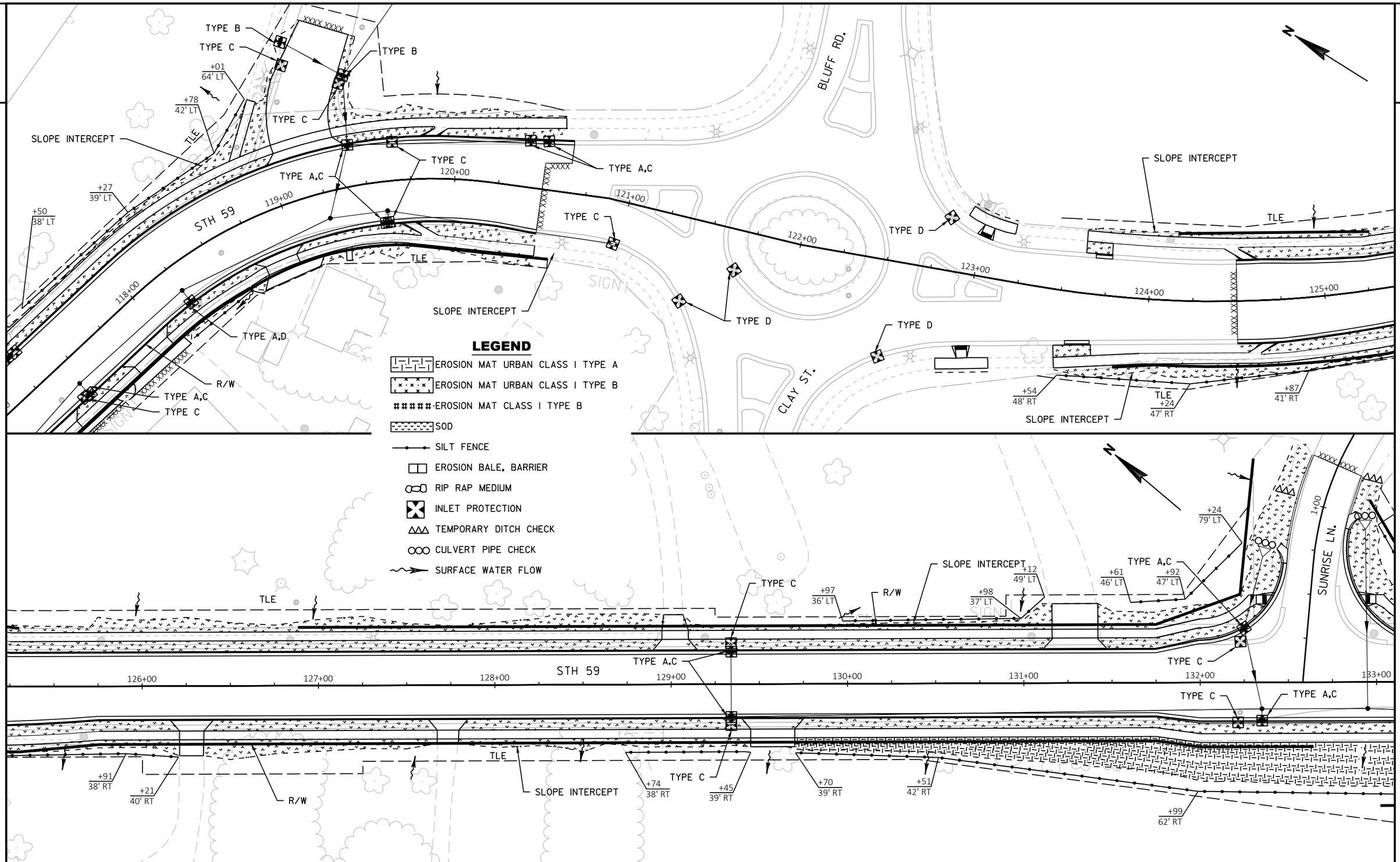


PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	EROSION CONTROL	SHEET 69	E

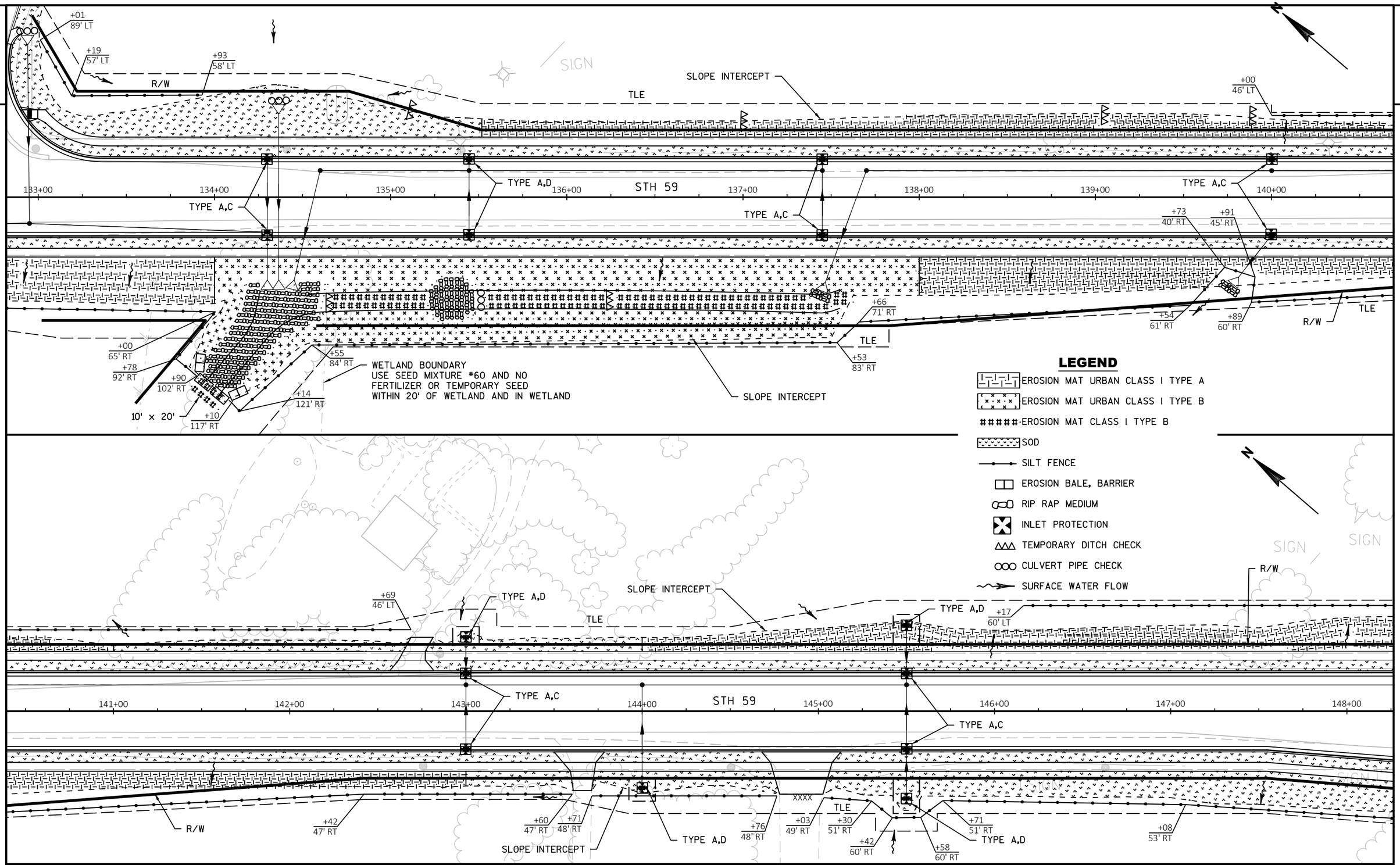
FILE NAME : N:\PDS\C3D\CAD\31100201\022001_EC.DWG
LAYOUT NAME - 022001_ec

PLOT DATE : 5/10/2018 7:02 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:50 FT

2



PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	EROSION CONTROL	SHEET 70	E



PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	EROSION CONTROL	SHEET 71	E

FILE NAME : N:\PDS\C3D\CAD\31100201\022001_EC.DWG
LAYOUT NAME - 022005_ec

PLOT DATE : 5/10/2018 7:02 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

SLOPE INTERCEPT

TLE

R/W

+63
60' LT

149+00 150+00 151+00 152+00 STH 59 153+00 154+00 155+00 156+00

TYPE A,C

TYPE A,D

TYPE A,D

TLE

+06
41' RT

+50
47' RT

+77
40' RT

R/W

SLOPE INTERCEPT

+95
63' RT

TLE

SLOPE INTERCEPT

R/W

1+00

2+00 OLD COUNTY P

LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SOD
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP MEDIUM
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

R/W

TLE

+50
30' LT

+00
30' LT

SEED AND FERTILIZER ONLY

SLOPE INTERCEPT

156+00 157+00 158+00 STH 59 159+00 160+00 161+00 162+00 163+00

+30
45' RT

+89
51' RT

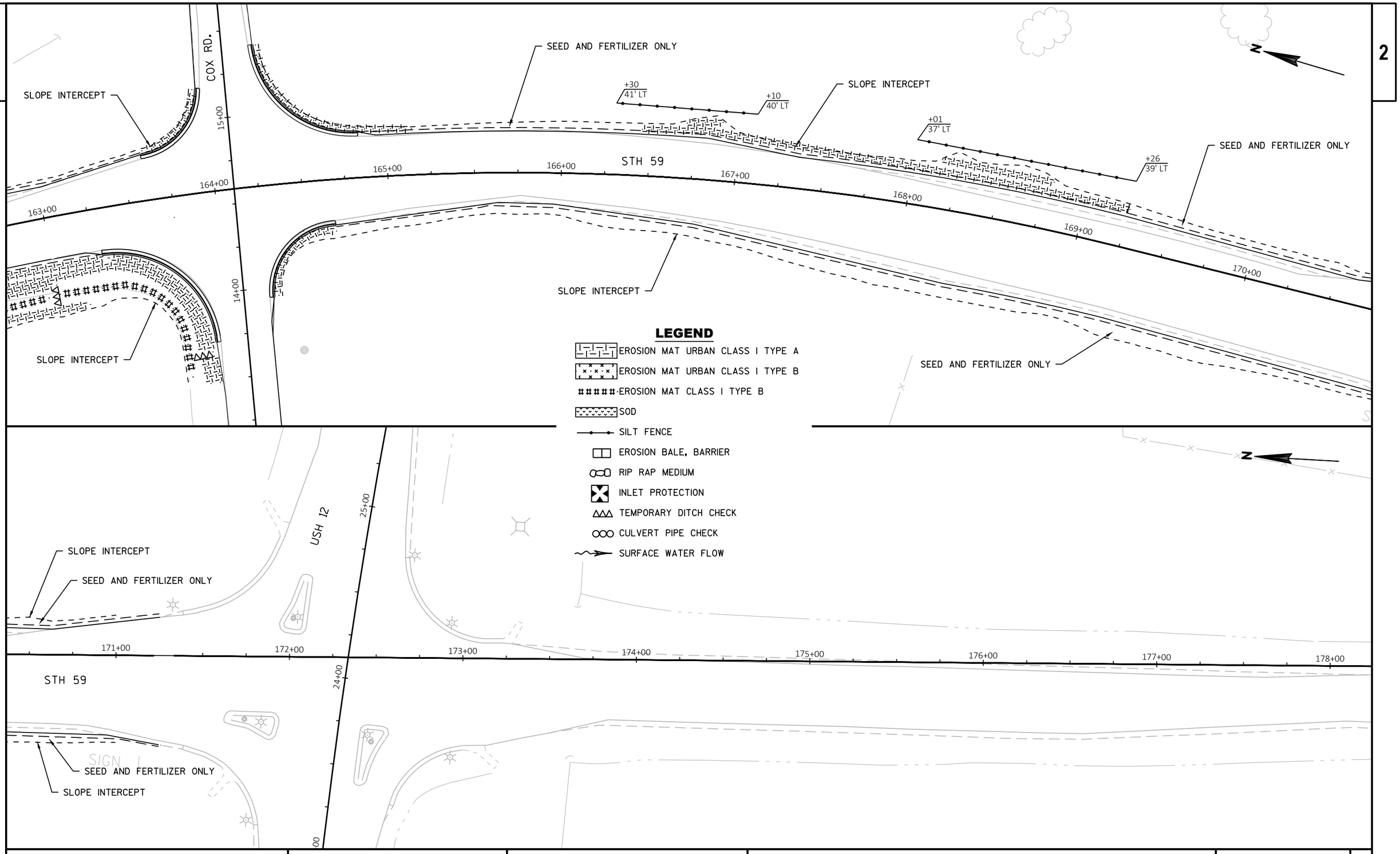
SLOPE INTERCEPT

2

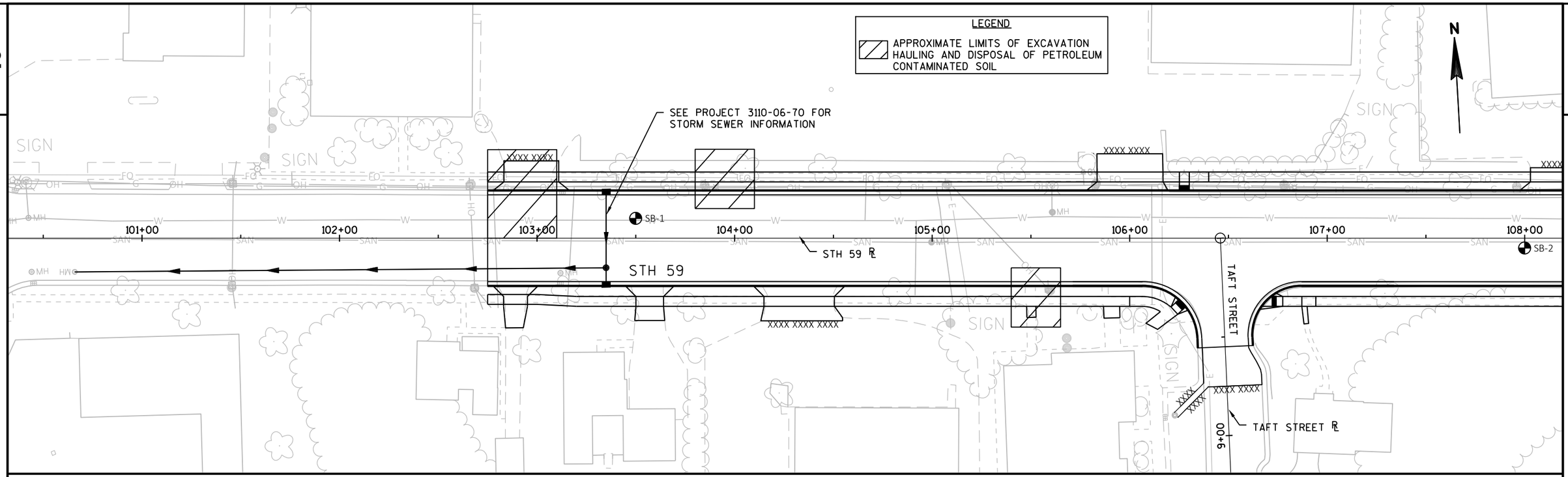
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	EROSION CONTROL	SHEET 72	E

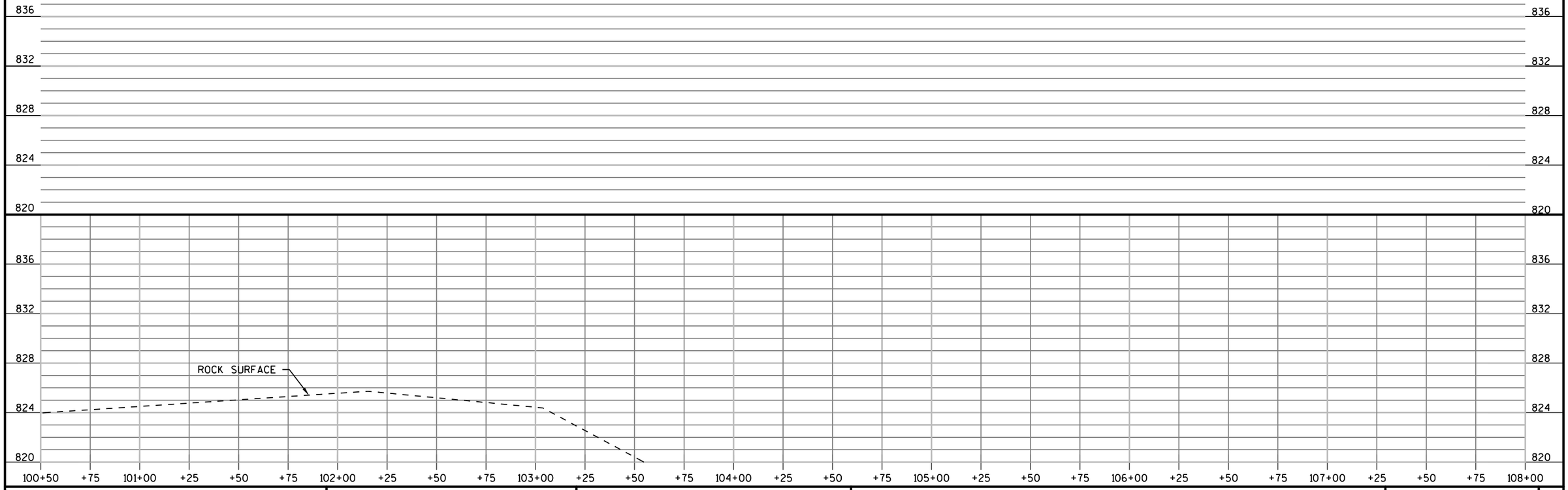
FILE NAME : N:\PDS\C3D\CAD\31100201\022001_EC.DWG
LAYOUT NAME - 022007_ec

PLOT DATE : 5/10/2018 7:02 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:50 FT

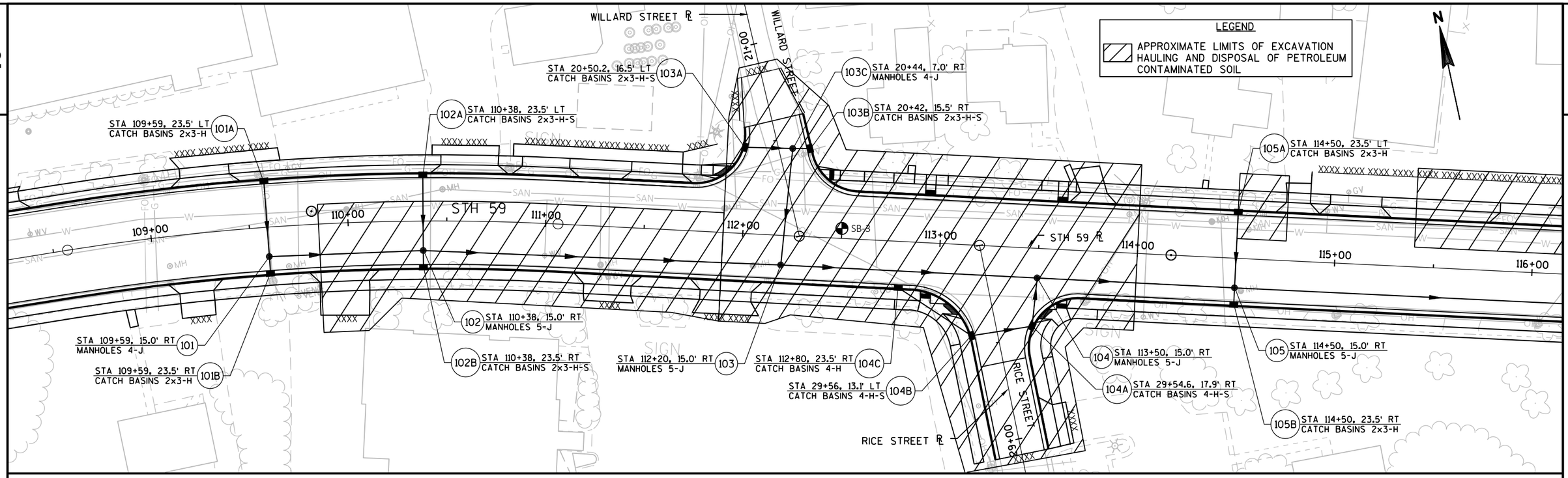


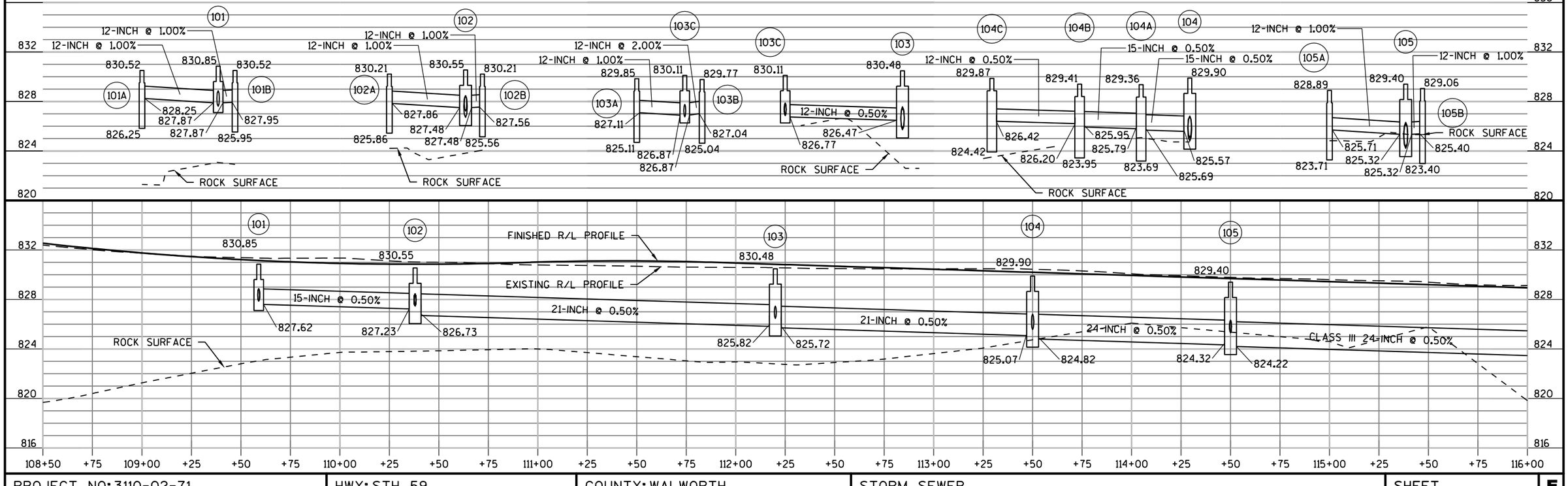
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	EROSION CONTROL	SHEET 73	E





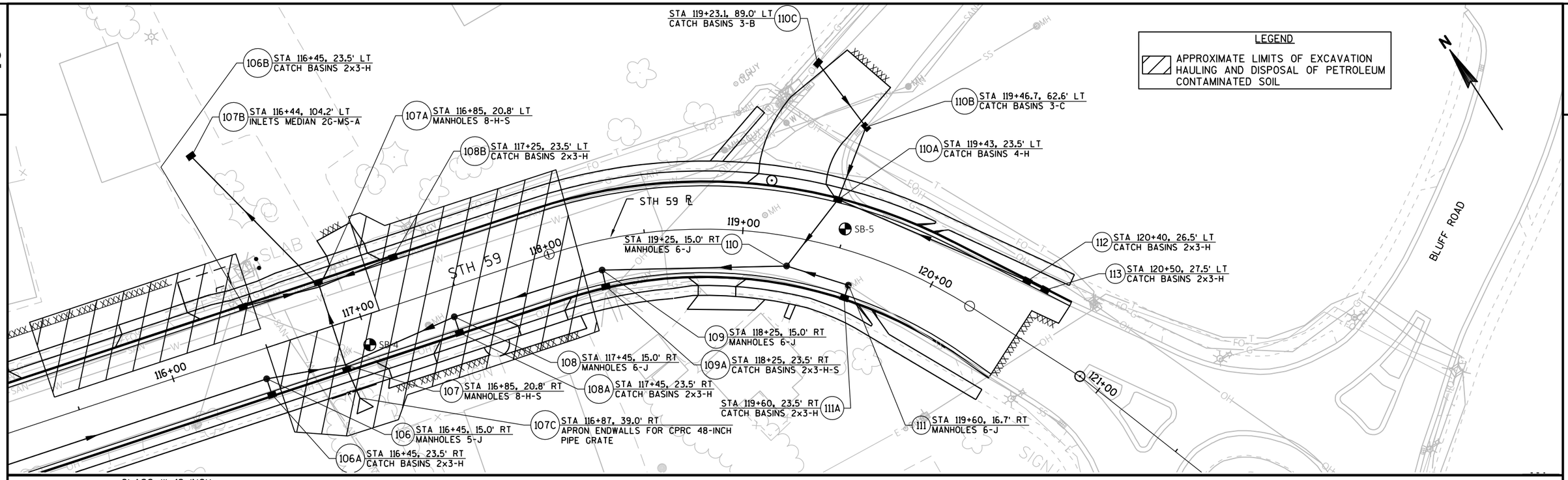
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	STORM SEWER	SHEET 74	E

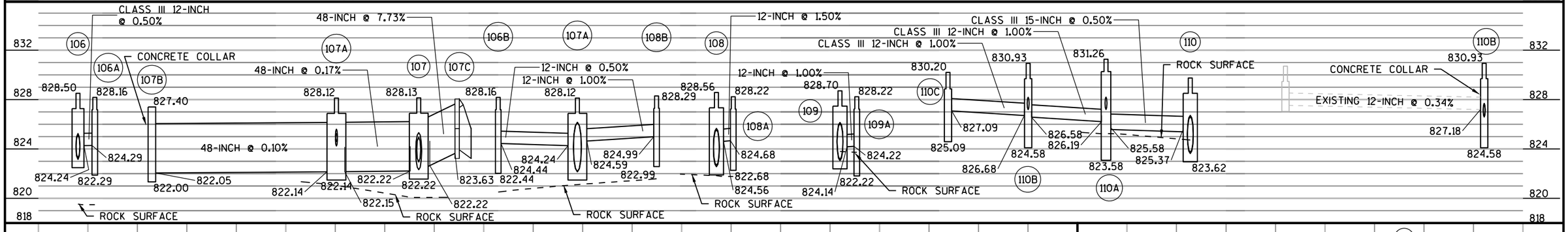


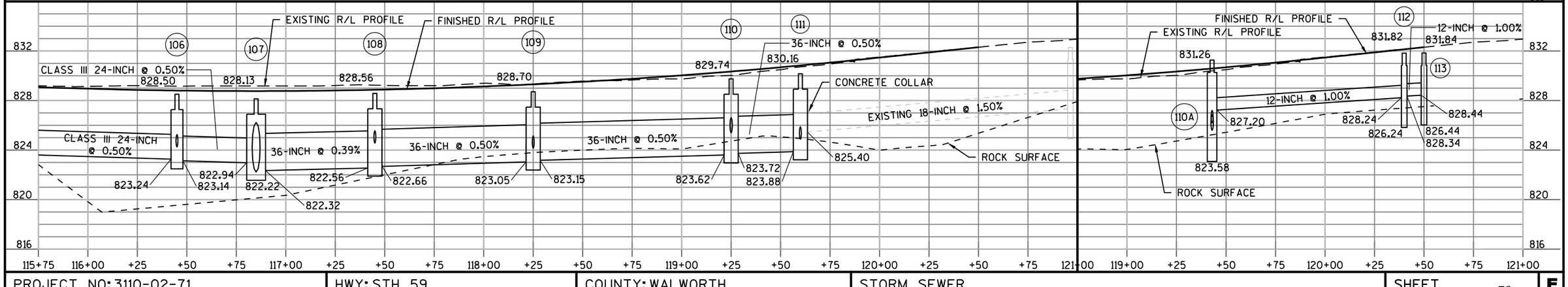


PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	STORM SEWER	SHEET 75	E

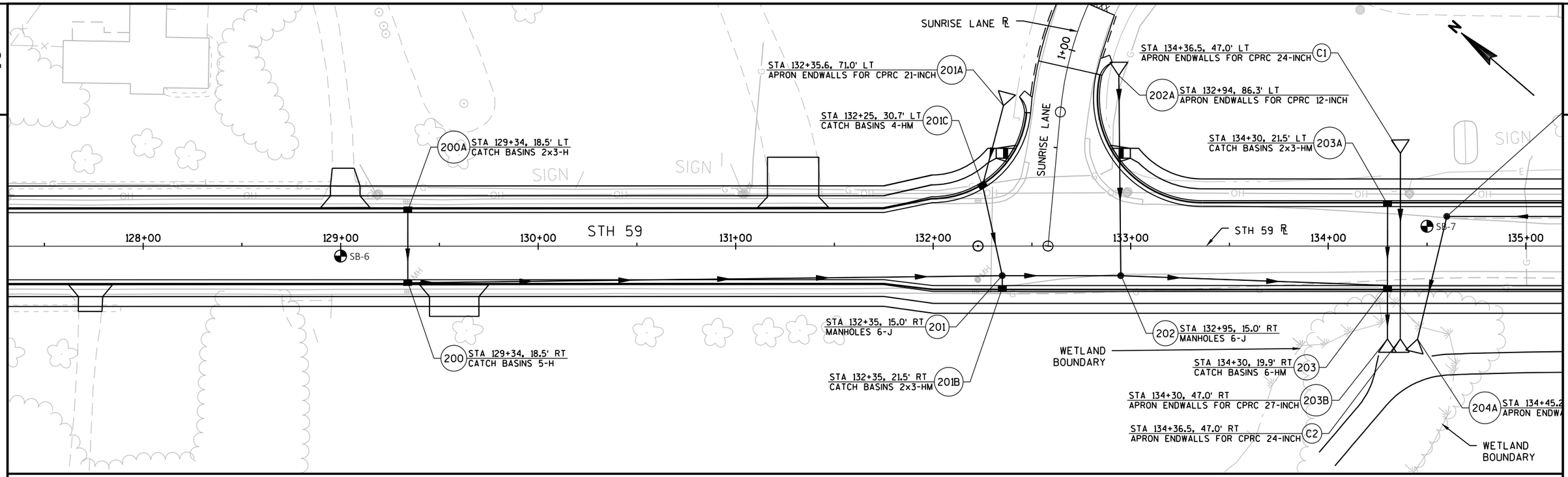
2

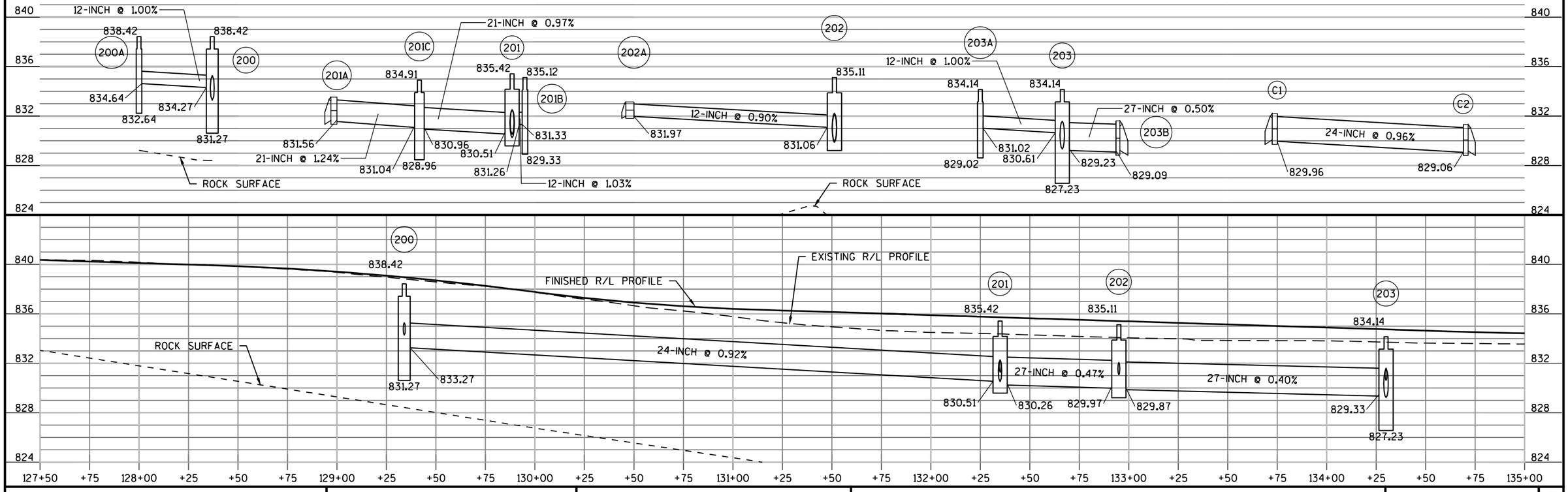






PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	STORM SEWER	SHEET 76	E





PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	STORM SEWER	SHEET 77	E

2

204 STA 134+60, 15.0' LT
MANHOLES 5-J

205A STA 135+44.5, 21.5' LT
CATCH BASINS 2x3-HM-S

205 STA 135+44.5, 15.0' LT
MANHOLES 5-J

206A STA 137+45, 21.5' LT
CATCH BASINS 2x3-HM

206 STA 137+45, 15.0' LT
MANHOLES 5-J

207 STA 140+00, 21.5' LT
CATCH BASINS 2x3-HM

209 STA 140+00, 15.0' LT
MANHOLES 5-J

SB-7

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

STH 59

STH 59 ℄

SB-8

205B STA 135+44.5, 21.5' RT
CATCH BASINS 2x3-HM-S

STA 137+45, 21.5' RT
CATCH BASINS 2x3-HM 206B

208 STA 137+70, 15.0' LT
MANHOLES 5-J

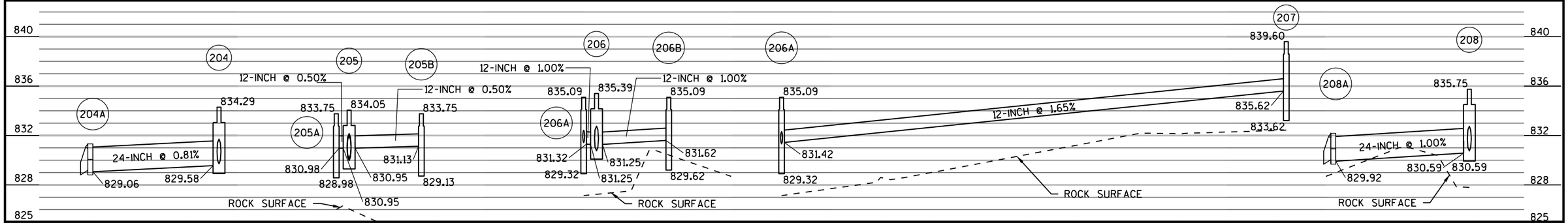
208A STA 137+46.7, 48.3' RT
APRON ENDWALLS FOR CPRC 24-INCH

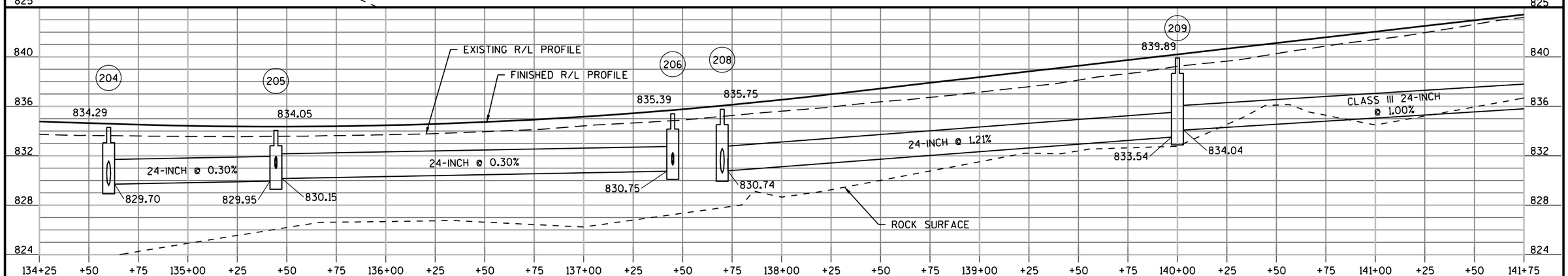
214 STA 140+00, 21.5' RT
CATCH BASINS 4-HM

214A STA 139+81, 45.3' RT
APRON ENDWALLS FOR CPRC 12-INCH

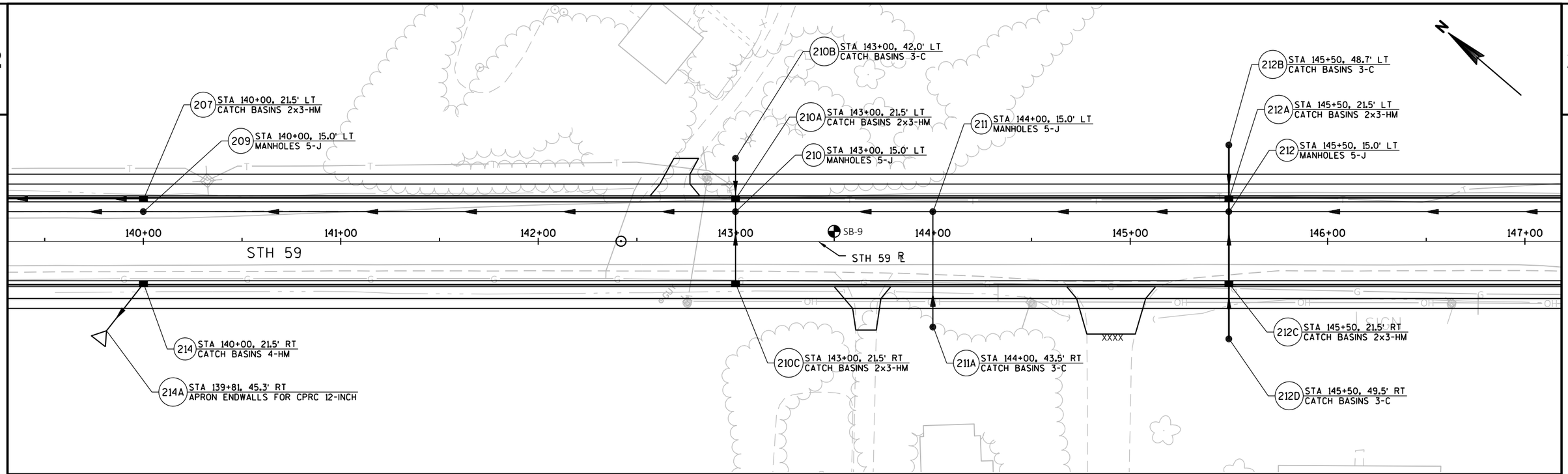
204A STA 134+45.2, 47.0' RT
APRON ENDWALLS FOR CPRC 24-INCH

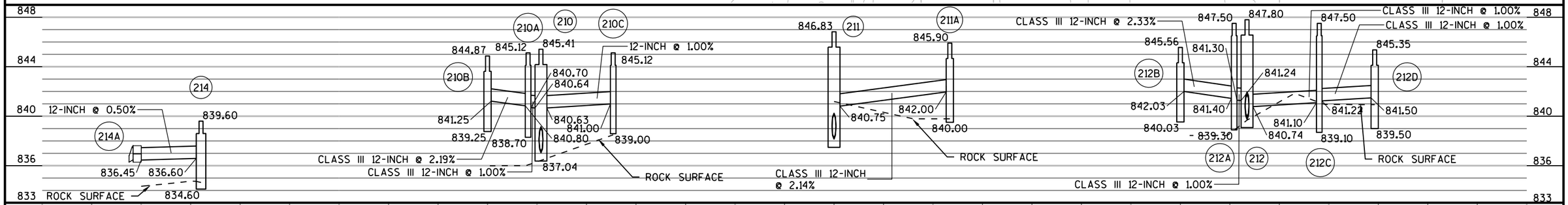
WETLAND
BOUNDARY

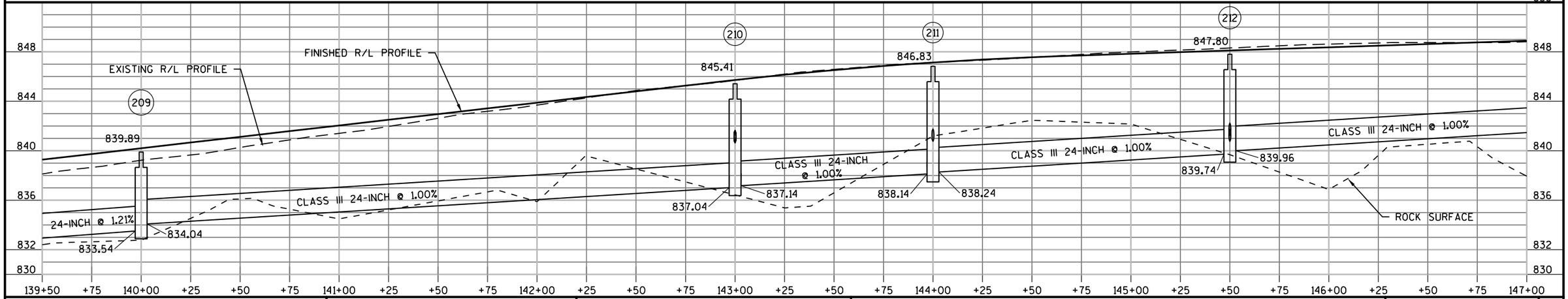




PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	STORM SEWER	SHEET 78	E





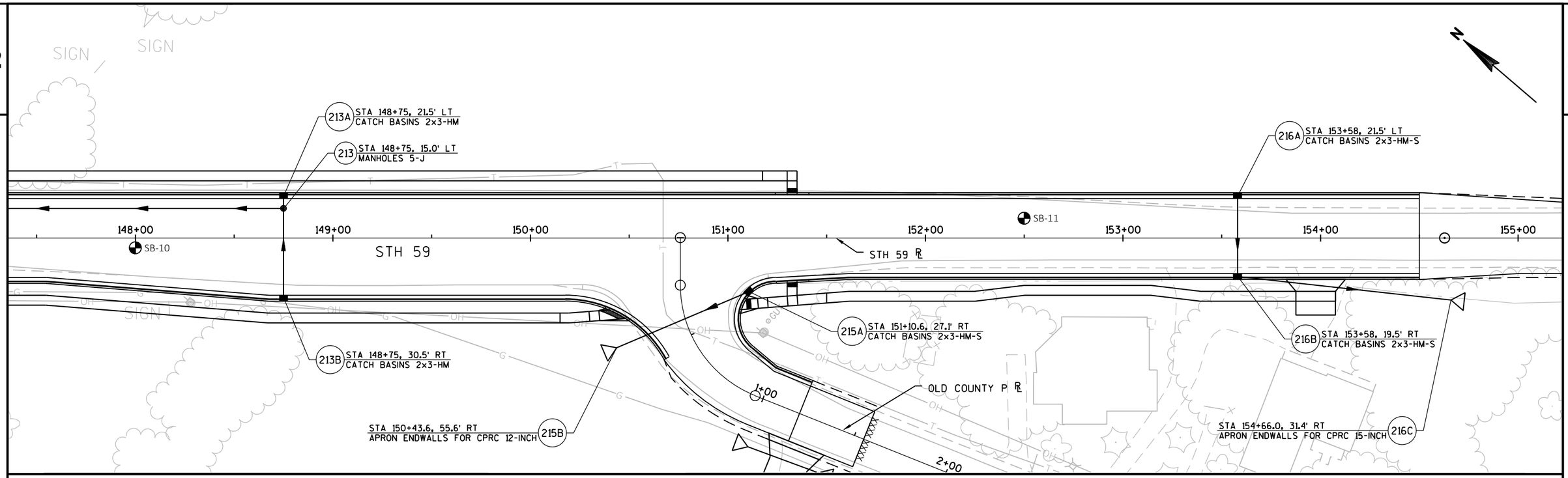


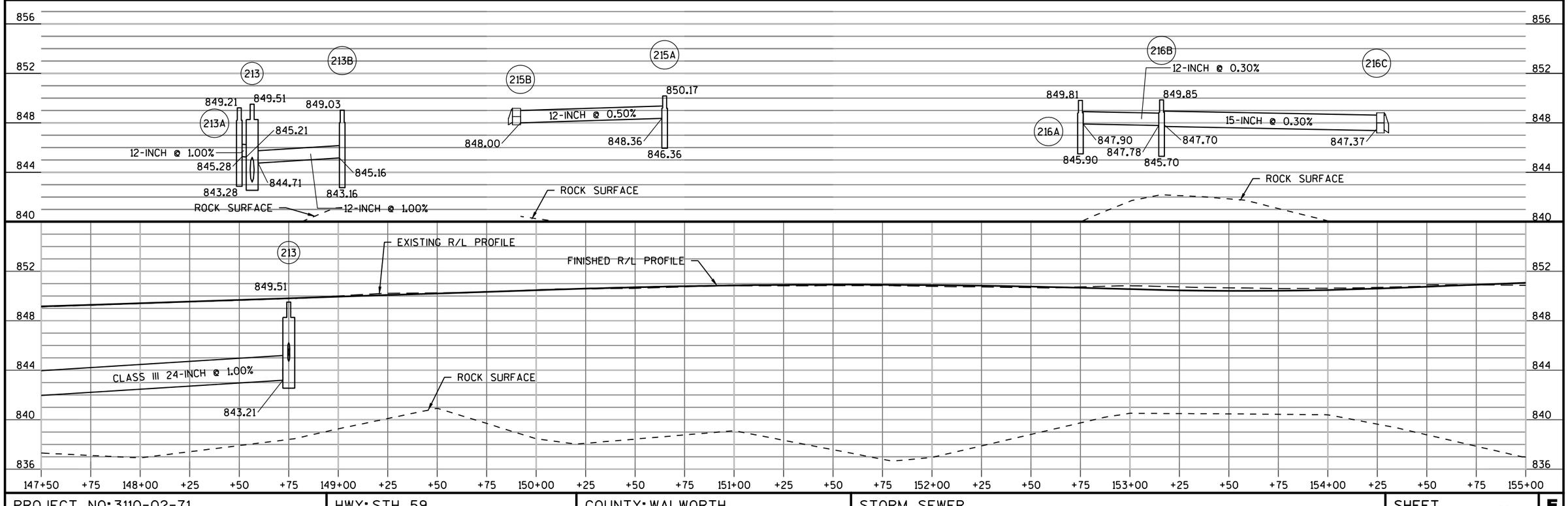
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	STORM SEWER	SHEET 79	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022506-SS

PLOT DATE : 3/15/2018 8:50 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 41





PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	STORM SEWER	SHEET 80	E

NOTES:
TYPE II ALUMINUM SIGNS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE COUNTY SIGN SHOP. CONTACT THE FOLLOWING INDIVIDUAL AT THE SIGN SHOP FOR DISTRIBUTION COUNTY LOCATION.

SIGNING COORDINATOR COUNTY(S) PHONE#

- DENNIS NEWTON MILWAUKEE 414-750-0257
- ANDRE CHAPMAN RACINE 414-531-2635
- JENNY BUCKETT KENOSHA, WASHINGTON, OZAUKEE 414-750-2427
- CHUCK SALDIVAR WALWORTH, WAUKESHA 414-750-1682

SIGNS SHALL BE CAREFULLY REMOVED FROM SIGN SUPPORTS. THE SIGNS SHALL BE PALLETIZED FOR HANDLING WITH A FORKLIFT (SEE STANDARD SPEC 638.3.4). THE REGIONAL SIGN SHOP (414-266-1165) SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF THE SIGNS.

WHEN AN EXISTING STOP SIGN SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED, THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

WOOD POST SIZES. FOR TYPE II SIGNS ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

STREET NAME SIGNS ARE PROPERTY OF THE MUNICIPALITY (CITY, VILLAGE OR TOWN). THE MUNICIPALITY SHALL BE CONTACTED TO REMOVE THEIR STREET NAME SIGNS PRIOR TO CONSTRUCTION AND IT IS THEIR RESPONSIBILITY TO REINSTALL THE OLD SIGNS OR REPLACE THEM FOLLOWING CONSTRUCTION. WISDOT DOES NOT FURNISH OR INSTALL STREET NAME SIGNS. THE STREET NAME SIGNS SHALL NOT BE PLACED ON TOP OF THE STOP SIGNS.

LOCATE NO PASSING PENNANTS BASED ON ESTABLISHING NO PASSING ZONES PAY ITEM. PLACE SIGNS BASED ON WHERE THE PAVEMENT MARKING FOR NO PASSING ZONES BEGIN.

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

N

S. NEWCOMB ST.

S NEWCONB ST

STH 59

101+00 102+00 103+00 104+00 105+00 106+00

MH MH

PART OF 3110-06-70

PART OF 3110-06-70

M3-4 WEST M4-3 BUSINESS EAST M3-2 M1-4 12 59 M1-6 M6-1 M6-1
J3-2(2S) ESTR
ON MAST ARM NEXT TO POLE

CITY-OWNED SIGN Bark Park

CITY OWNED SIGN
WAYFINDING SIGN

R7-51L(2S) ESTR

W3-1(2S) ESTR

SPEED LIMIT 25 REMOVE
6
SPEED LIMIT 25
R2-1(2S)

XXXX XXXX

150
R7-1R(2S)

9
DO NOT PASS ON RIGHT
R4-50(2S)

8
NO PASSING ON RIGHT
REMOVE

XXXX XXXX XXXX

M3-4 WEST M4-3 BUSINESS EAST M3-2 M1-4 59 12 M1-6 M6-1 M6-1
J4-2(2S) ESTR

R7-51R(2S) ESTR

112
W11-2(2S)
AHEAD
W16-9P(2S)
113

XXXX XXXX XXXX XXXX

7A
EAST 59
REMOVE

M3-4 WEST M4-3 BUSINESS EAST M3-2 M1-4 12 59 M1-6 M6-1 M5-1R
J2-2(2S)

SIGN

151
R7-1L(2S)

SHEET 1 OF 13

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PERMANENT SIGNING PLAN	SHEET 81	E

FILE NAME : N:\PDS\C3D\CAD\31100201\SIGN\023201_PS_16.DWG
LAYOUT NAME - 023201_PS
PLOT DATE : 3/7/2018 7:32 AM
PLOT BY : WAGNER, SCOTT H
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

N

STH 59

WILLARD ST.

S. TAFT ST.

REMOVE
W11-2 (2S)
W16-7L (2S)
10 11 10A 11A

153 NO PARKING ANY TIME R7-1L (2S)

110 W11-2 (2S)
111 AHEAD W16-9P (2S)

SPEED LIMIT 25 REMOVE
SPEED LIMIT 25 R2-1 (2S)
13 14

154 NO PARKING ANY TIME R7-1R (2S)

STOP REMOVE
CITY SIGN- STREET NAME SIGNS- MOVE BY CITY
STOP R1-1 (2S)
15

152 NO PARKING ANY TIME R7-1R (2S)

STOP CITY SIGN- STREET NAME SIGNS- MOVE BY CITY REMOVE
12
STOP R1-1 (2S)

155 NO PARKING ANY TIME R7-1L (2S)

106+00 107+00 108+00 109+00 110+00 111+00 112+00
9+00 21+00 22+00
BP: 20+00.00

SIGN

SHEET 2 OF 13

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PERMANENT SIGNING PLAN	SHEET 82	E

FILE NAME : N:\PDS\C3D\CAD\31100201\SIGN\023201_PS_16.DWG
LAYOUT NAME - 023202_PS

PLOT DATE : 3/7/2018 7:32 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT, YELLOW/LEFT
- (XXX) — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE

N

WILLARD ST.

21+00

XXXX XXXX

17 W2-6 (2S)

18 15 MPH W13-1 (2S)

157 NO PARKING ANY TIME R7-1L (2S)

21 W11-2 (2S)

22 AHEAD W16-9P (2S)

SPEED LIMIT 25 REMOVE

24 SPEED LIMIT 25 R2-1 (2S)

XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX

SLAB

XXXX

20 DO NOT PASS ON RIGHT R4-50 (2S)

112+00 113+00 114+00 115+00 116+00 117+00 118+00

20+00.00

EP: 30+00.00

STH 59

MH

XXXX XXXX

SIGN

156 NO PARKING ANY TIME R7-1R (2S)

19 NO PASSING ON RIGHT REMOVE

S. RICE ST.

29+00

XXXX XXXX

STOP REMOVE

CITY SIGN-STREET NAME SIGNS-MOVE BY CITY

16 STOP R1-1 (2S)

REMOVE

23 W1-1R (2S)

25 Elkhorn Rd/Hwy 59 Bluff Rd Clay St REMOVE

26 WEST TO 59 12 Bluff Rd Clay St D1-62

27 ROUNDABOUT AHEAD 15 MPH REMOVE

SHEET 3 OF 13

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PERMANENT SIGNING PLAN	SHEET 83	E

FILE NAME : N:\PDS\C3D\CAD\31100201\SIGN\023201_PS_16.DWG
LAYOUT NAME - 023203_PS

PLOT DATE : 3/7/2018 7:32 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

STOP
ESTR
PRIVATE DRIVE
PROPERTY OWNER
SIGN

PRIVATE DR.
51+00

WEST
BUSINESS
12
REMOVE
31
WEST M3-4
M3-2 EAST BUSINESS M4-3
M1-6 59 12 M1-4
J4-2(2S)

35
W1-6(2S)

30
BUSINESS
EAST
12
WEST
59
REMOVE

158
NO PARKING ANY TIME
R7-1R(2S)

PRIVATE DRIVE
REMOVE
38

PRIVATE DRIVE
REMOVE
39
R5-50(2S)

34
W1-6(2S)

147
DO NOT ENTER
R5-1(2S)

REMOVE
43
W4-2R(2S)

REMOVE
40
W11-2(2S)
W16-7L(2S)
40A

Elkhorn Rd
127
REMOVE

59 EAST
Elkhorn Rd
D1-2
129

TO TRAFFIC FROM LEFT
REMOVE
YIELD
65
R1-2(2S)
TO TRAFFIC FROM LEFT
65A
R1-54(2S)

NO PARKING ANY TIME
161
R7-1D(2S)

Bluff Rd
REMOVE

Bluff Rd
D1-2
67

YIELD
ONE WAY
REMOVE
YIELD
66
R1-2(2S)
ONE WAY
66A
R6-2R(2S)

W11-2(2S)
W16-7L(2S)
ESTR

BLUFF RD.

59
61
63
60
62
64

ONE WAY
REMOVE
ONE WAY
R6-1R(2S)
R6-4R(2S)

REMOVE
142
R4-7(2S)
6 FEET TO
BOTTOM OF
SIGN

135
136
R1-6(2S)
2 FT
HEIGHT

W11-2(2S)
W16-7L(2S)
ESTR

YIELD
55
R1-2(2S)
TO TRAFFIC FROM LEFT
55A
R1-54(2S)

YIELD
53
R1-2(2S)
ONE WAY
53A
R6-2R(2S)

54
YIELD
ONE WAY
REMOVE

REMOVE
68
W11-2(2S)
W16-7L(2S)
68A

WEST TO
59
12
REMOVE
WEST TO
59
12
D1-2
130

52
TO TRAFFIC FROM LEFT
REMOVE

120+00
119+00
STH 59
121+00
122+00
123+00
124+00
118+00
STH 59

159
NO PARKING ANY TIME
R7-1L(2S)

33
REMOVE

32
REMOVE
W3-2(2S)

57
58
56
ONE WAY
REMOVE

YIELD
108
R1-2(2S)
ONE WAY
109
R6-2R(2S)

Clay St
REMOVE
Clay St
D1-2
45

REMOVE
128

133
134
R1-6(2S)
2 FT.
HEIGHT

REMOVE
36
R4-7(2S)
42
W5-54(2S)
MOUNT
HEIGHT
4 FEET

REMOVE
41
W11-2(2S)
W16-7L(2S)
41A

TO TRAFFIC FROM LEFT
REMOVE
YIELD
44
R1-2(2S)
TO TRAFFIC FROM LEFT
44A
R1-54(2S)

139
140
R1-6(2S)
2 FT
HEIGHT

W11-2(2S)
W16-7L(2S)
ESTR

E. CLAY ST.

REMOVE
141
R4-7(2S)
MOUNT HEIGHT
6 FEET

W11-2(2S)
W16-7L(2S)
ESTR

ONE WAY
REMOVE
YIELD
46
R1-2(2S)
ONE WAY
46A
R6-2R(2S)

NO PARKING ANY TIME
160
R7-1D(2S)

YIELD
TO TRAFFIC FROM LEFT
REMOVE
YIELD
47
R1-2(2S)
TO TRAFFIC FROM LEFT
47A
R1-54(2S)

REMOVE
48
W11-2(2S)
W16-7L(2S)
48A

137
138
R1-6(2S)
2 FT
HEIGHT

REMOVE
49
W4-2R(2S)

148
DO NOT ENTER
R5-1(2S)

REMOVE
51
REMOVE

REMOVE
50
R4-7(2S)
69
W5-54(2S)
MOUNT
HEIGHT
4 FEET

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING
  WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE

SHEET 4 OF 13

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PERMANENT SIGNING PLAN	SHEET 84	E

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING
  WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

N

162 NO PARKING ANY TIME R7-1D(2S)

78 W11-2(2S) AHEAD W16-9P(2S) 79

REMOVE 73 W3-2(2S)

74 ROUNDABOUT AHEAD 15 MPH REMOVE

CITY OWNED SIGN
WAYFINDING SIGN- MOVE BY CITY

77A
M3-4 WEST
M4-3 BUSINESS
M1-4 12
M6-1
J3-1(2S)

XXXX SIGN

124+00 125+00 126+00 127+00 128+00 129+00 130+00

STH 59

70
M3-4 WEST TO M4-5
M1-6 59 12 M1-4
J4-2(2S)

71 DO NOT PASS ON RIGHT R4-50(2S)
163 NO PARKING ANY TIME R7-1D(2S)

72 NO PASSING ON RIGHT REMOVE

75 SPEED LIMIT 25 R2-1(2S)

164 165 NO PARKING ANY TIME R7-1D(2S)

166 167 NO PARKING ANY TIME R7-1D(2S)

SHEET 5 OF 13

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PERMANENT SIGNING PLAN	SHEET 85	E

FILE NAME : N:\PDS\C3D\CAD\31100201\SIGN\023201_PS_16.DWG
LAYOUT NAME - 023205_PS

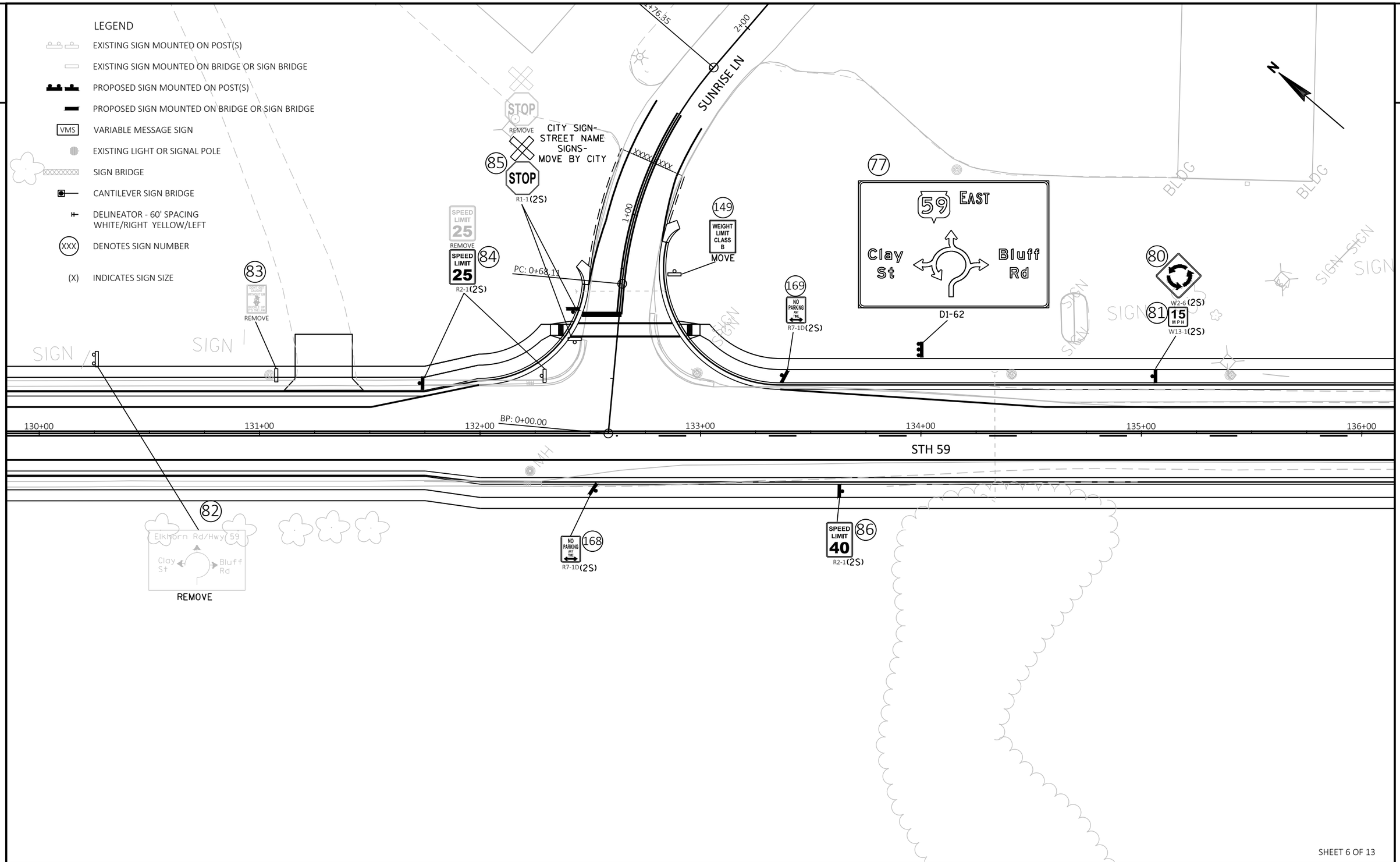
PLOT DATE : 3/7/2018 7:33 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE



SHEET 6 OF 13

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PERMANENT SIGNING PLAN	SHEET 86	E

FILE NAME : N:\PDS\C3D\CAD\31100201\SIGN\023201_PS_16.DWG
LAYOUT NAME - 023206_PS

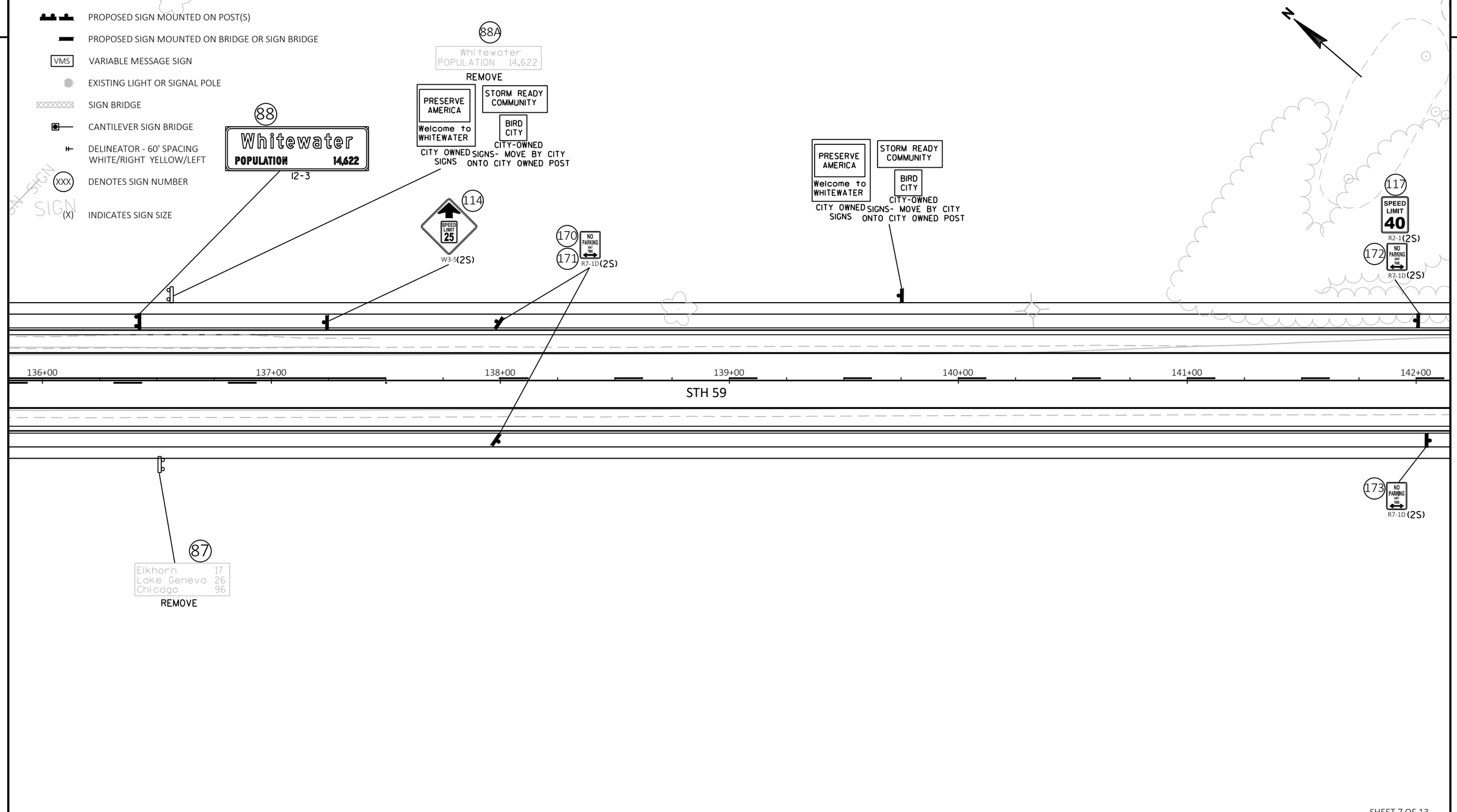
PLOT DATE : 3/7/2018 7:33 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE



SHEET 7 OF 13

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PERMANENT SIGNING PLAN	SHEET 87	E

FILE NAME : N:\PDS\C3D\CAD\31100201\SIGN\023201_PS_16.DWG
LAYOUT NAME - 023207_PS

PLOT DATE : 3/7/2018 7:33 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

VMS VARIABLE MESSAGE SIGN

EXISTING LIGHT OR SIGNAL POLE

SIGN BRIDGE

CANTILEVER SIGN BRIDGE

DELINEATOR - 60' SPACING
WHITE/RIGHT YELLOW/LEFT

XXX DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

N

CITY OWNED SIGN

WAYFINDING SIGN- MOVE BY CITY

174 NO PARKING ANY TIME R7-1D (2S)

SIGN

SIG

TILE

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

STH 59

175 NO PARKING ANY TIME R7-1D (2S)

XXXX

XXXX XXXX

132 Old Hwy P D1-1

119 W11-2 (2S)

120 AHEAD W16-9P (2S)

SIGN

SIGN

SPEED LIMIT 40 REMOVE

89 SPEED LIMIT 40 R2-1 (2S)

SHEET 8 OF 13

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PERMANENT SIGNING PLAN	SHEET 88	E

FILE NAME : N:\PDS\C3D\CAD\31100201\SIGN\023201_PS_16.DWG
LAYOUT NAME - 023208_PS

PLOT DATE : 3/7/2018 7:33 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

92A
WEST M3-4
M3-2 EAST BUSINESS M4-3
M1-6 59 12 M1-4
J4-2(2S)

176
NO PARKING ANY TIME
R7-1D(2S)

118
W1-7 (2S)

121 123
W11-2 (2S)
W16-7L(2S)
122 124

178
NO PARKING ANY TIME
R7-1D(2S)

STH 59

148+00 149+00 150+00 151+00 152+00 153+00 154+00

BP: 0+00.00

PC: 0+24.11

PT: 0+85.84

1+00

2+00

3+00

OLD HWY P

177
NO PARKING ANY TIME
R7-1D(2S)

179
NO PARKING ANY TIME
R7-1D(2S)

STOP
REMOVE
91
STOP
R1-1(2S)

REMOVE
92
W1-2R(2S)

90
REMOVE REMOVE REMOVE
TO 12 TO COUNTY P WEST 59
J3-3(2S)
M4-5 M4-5 M3-4
M1-4 M1-5A M1-6
M6-1 M6-1 M6-1

EP: 3+61.03

SHEET 9 OF 13

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PERMANENT SIGNING PLAN	SHEET 89	E

FILE NAME : N:\PDS\C3D\CAD\31100201\SIGN\023201_PS_16.DWG
LAYOUT NAME - 023209_PS

PLOT DATE : 3/7/2018 7:33 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT

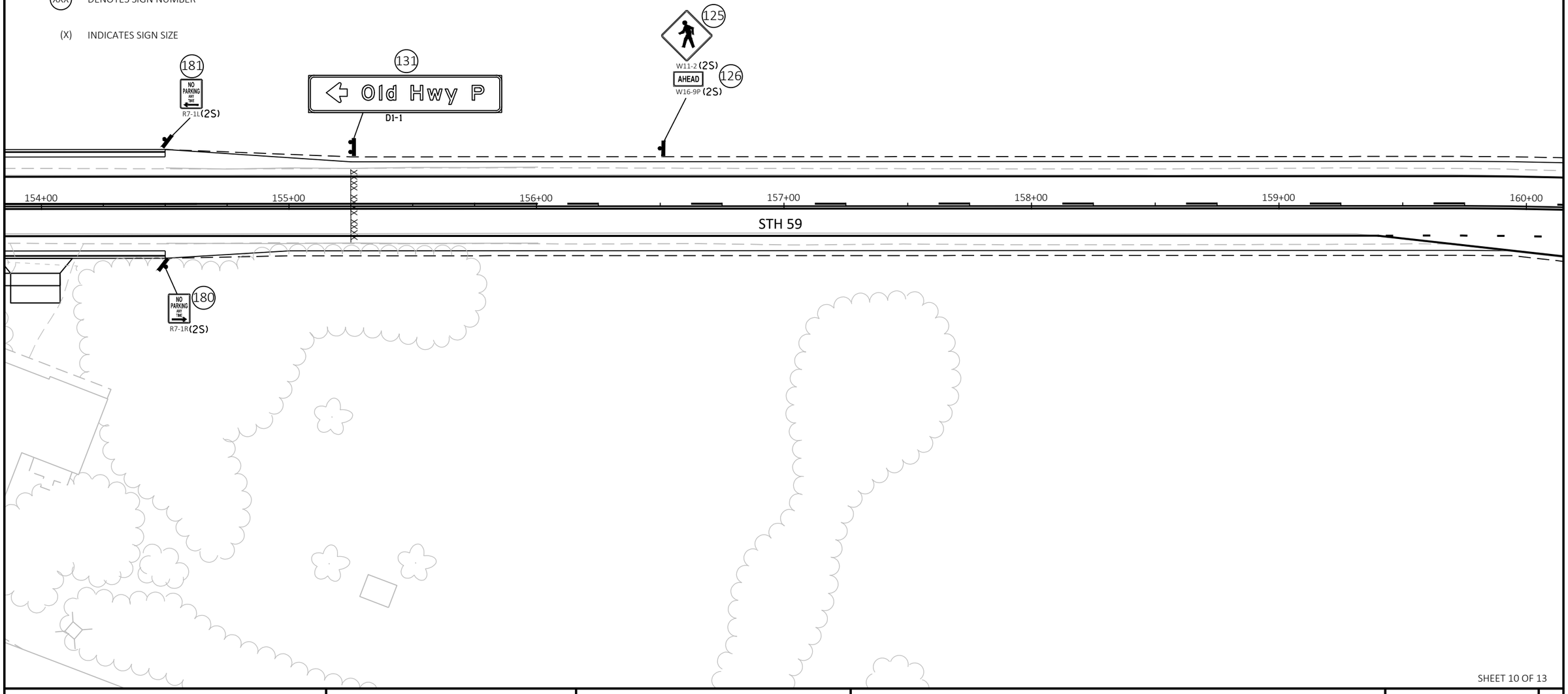
WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING
  WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE



SHEET 10 OF 13

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PERMANENT SIGNING PLAN	SHEET 90	E

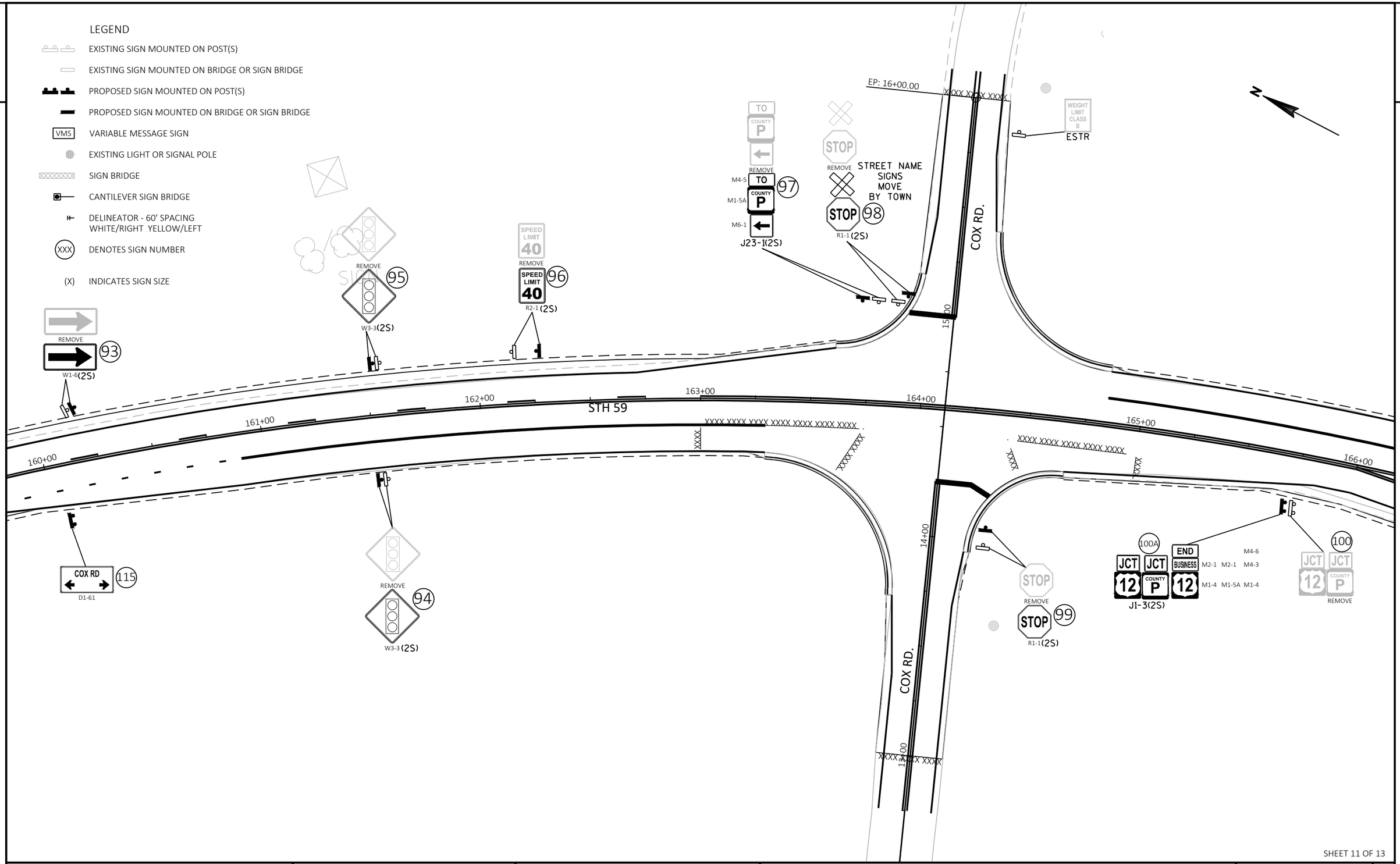
FILE NAME : N:\PDS\C3D\CAD\31100201\SIGN\023201_PS_16.DWG
LAYOUT NAME - 023210_PS

PLOT DATE : 3/7/2018 7:33 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE



SHEET 11 OF 13

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PERMANENT SIGNING PLAN	SHEET 91	E

FILE NAME : N:\PDS\C3D\CAD\31100201\SIGN\023201_PS_16.DWG
LAYOUT NAME - 023211_PS

PLOT DATE : 3/7/2018 7:33 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING
  WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

N

STH 59

166+00 167+00 168+00 169+00 170+00 171+00 172+00

116 COX RD D1-61

103 SPEED LIMIT 40 REMOVE / SPEED LIMIT 40 R2-1(2S)

106 BUSINESS 12 EAST 59 REMOVE

106A WEST M3-4 / M3-2 EAST BUSINESS M4-3 / M1-6 59 12 M1-4 J4-2(2S)

107 REMOVE W1-2L(2S)

144 REMOVE W12-1D(2S) 2 FT HEIGHT

145 W12-1L(2S) 2 FT HEIGHT

101 REMOVE ONLY ONLY ONLY / ONLY ONLY ONLY R3-8W (2S)

102 REMOVE BE PREPARED TO STOP / BE PREPARED TO STOP W3-4 (2S)

104 EAST 12 COUNTY P 59 WEST 12 WEST — REMOVE REMOVE REMOVE REMOVE — J3-4(2S)

M3-2 M1-4 M5-1L | M1-5A M6-1 | M3-4 M1-6 M5-1R | M3-4 M1-4 M5-1R

105 EAST 12 COUNTY P 59 WEST 12 WEST — REMOVE REMOVE REMOVE REMOVE — J3-4(2S)

M3-2 M1-4 M6-1 | M1-5A M6-1 | M3-4 M1-6 M6-1 | M3-4 M1-4 M6-1

143 STOP REMOVE / STOP R1-1(3)

146 STOP REMOVE / STOP R1-1F(3) ON SIGNAL POLE

USH 12

SHEET 12 OF 13

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PERMANENT SIGNING PLAN	SHEET 92	E

FILE NAME : N:\PDS\C3D\CAD\31100201\SIGN\023201_PS_16.DWG
LAYOUT NAME - 023212_PS

PLOT DATE : 3/7/2018 7:33 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT

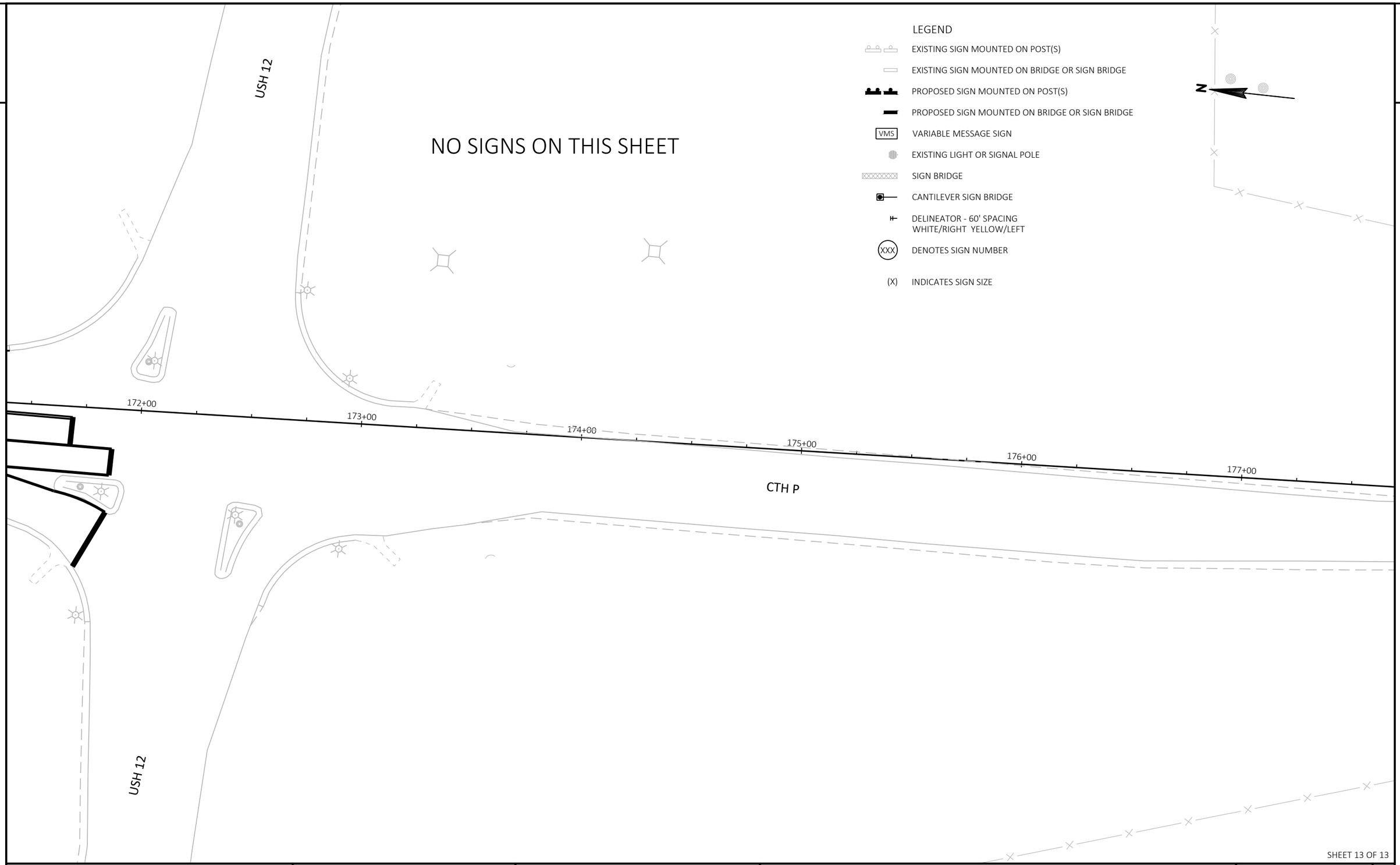
WISDOT/CADDS SHEET 42

2

NO SIGNS ON THIS SHEET

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING
  WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE



2

SHEET 13 OF 13

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PERMANENT SIGNING PLAN	SHEET 93	E

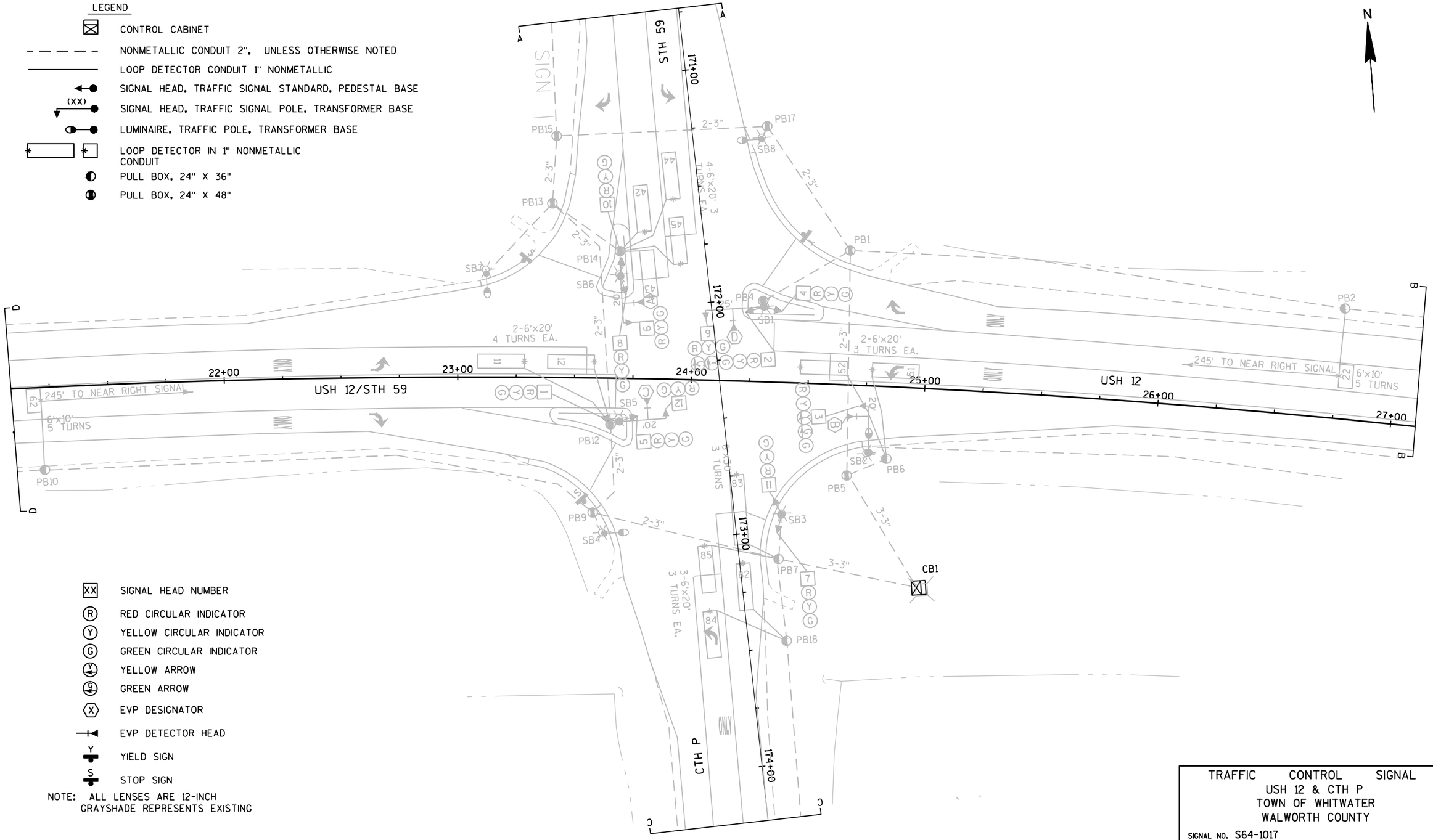
FILE NAME : N:\PDS\C3D\CAD\31100201\SIGN\023201_PS_16.DWG
LAYOUT NAME - 023213_PS

PLOT DATE : 3/7/2018 7:33 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 48"



- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- Y YELLOW ARROW
- G GREEN ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
USH 12 & CTH P
TOWN OF WHITWATER
WALWORTH COUNTY

SIGNAL NO. S64-1017

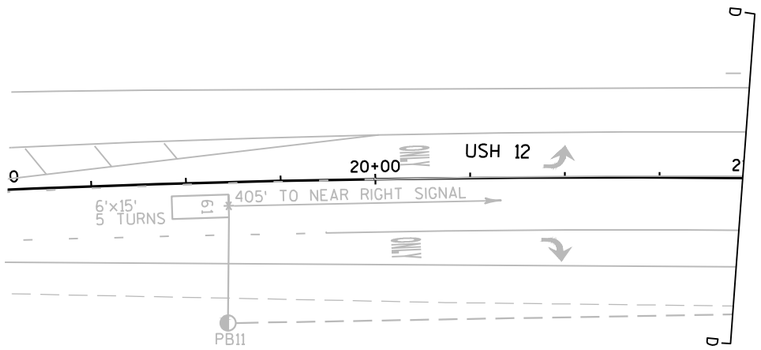
REGION CONTACT: M. COWAP
DESIGNED BY:
REVISED BY: S. WAGNER

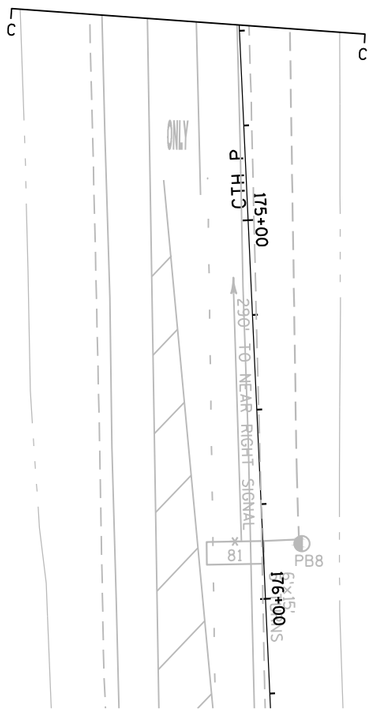
PAGE 1 OF 2

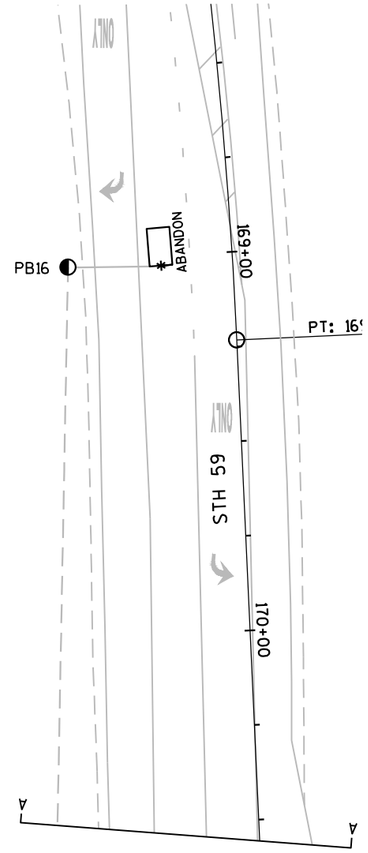
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 94	E

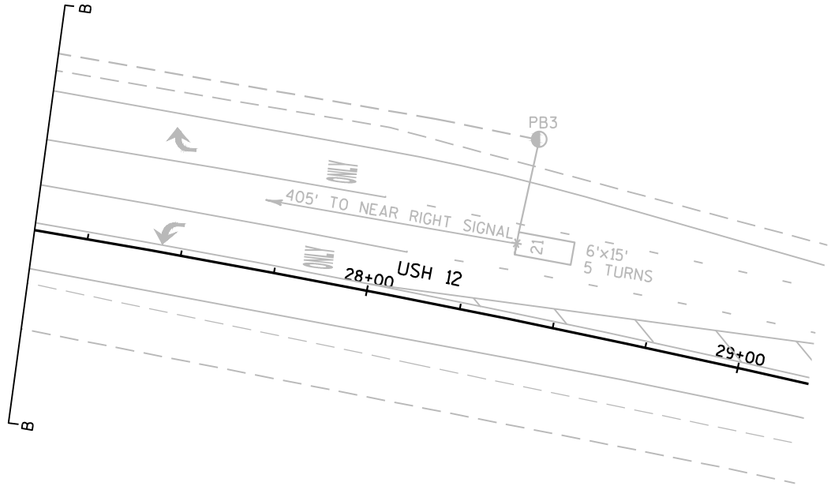
FILE NAME : N:\PDS\C3D\CAD\31100201\SIG\S64-1017\S64-1017_RM_16.DWG
LAYOUT NAME - S64-1017_RM_PG1

PLOT DATE : 4/5/2018 8:12 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT









2

TRAFFIC CONTROL SIGNAL
USH 12 & CTH P
TOWN OF WHITEWATER
WALWORTH COUNTY

SIGNAL NO. S64-1017

REGION CONTACT: M. COWAP
DESIGNED BY:
REVISED BY: S. WAGNER

PAGE 2 OF 2

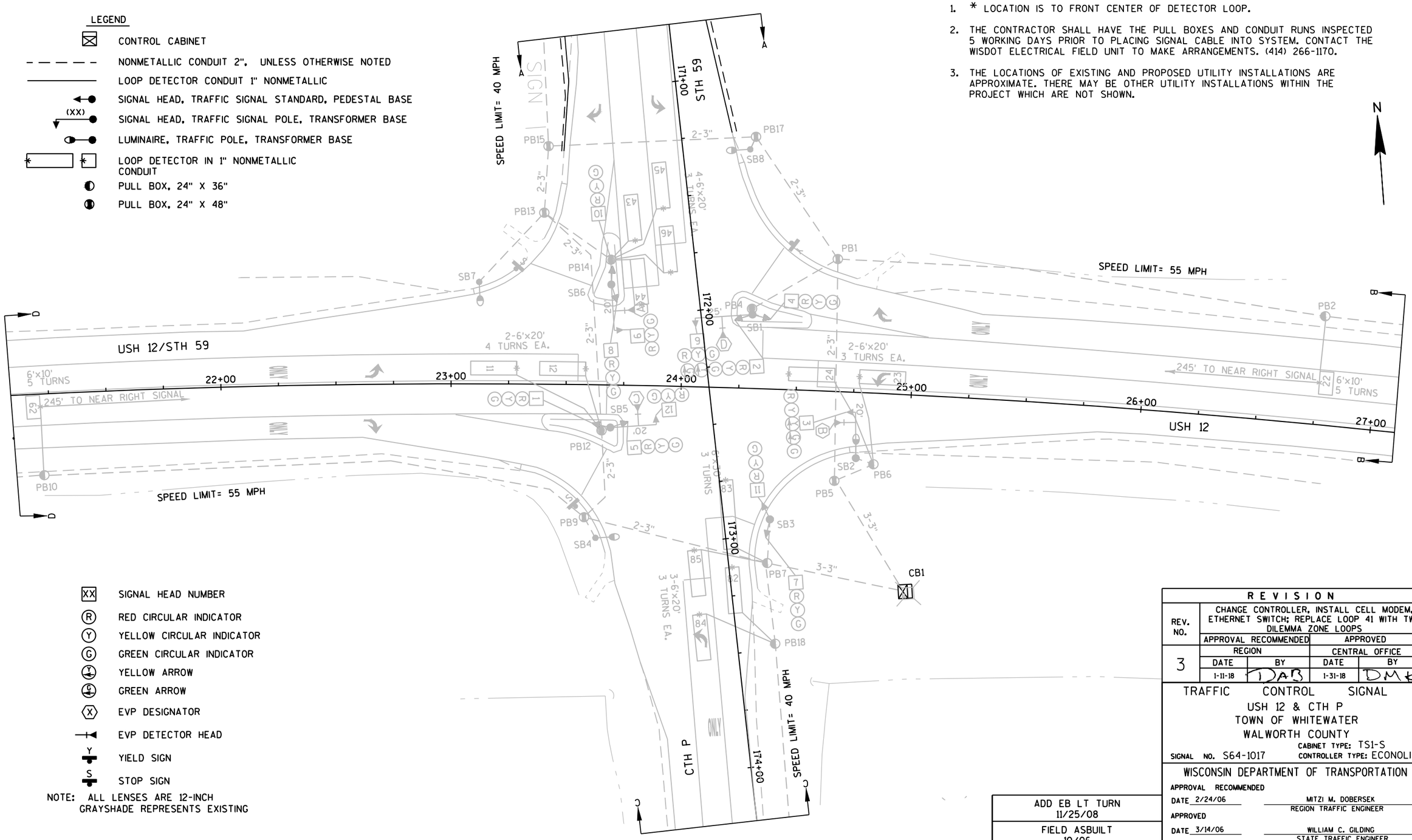
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 95	E

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2". UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 48"

CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.



XX SIGNAL HEAD NUMBER

- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (Y) YELLOW ARROW
- (G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

REVISION				
REV. NO.	CHANGE CONTROLLER, INSTALL CELL MODEM, ETHERNET SWITCH; REPLACE LOOP 41 WITH TWO DILEMMA ZONE LOOPS			
	APPROVAL RECOMMENDED		APPROVED	
3	REGION		CENTRAL OFFICE	
	DATE	BY	DATE	BY
	1-11-18	DAB	1-31-18	DMK

TRAFFIC CONTROL SIGNAL
USH 12 & CTH P
TOWN OF WHITEWATER
WALWORTH COUNTY
CABINET TYPE: TS1-S
SIGNAL NO. S64-1017 CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

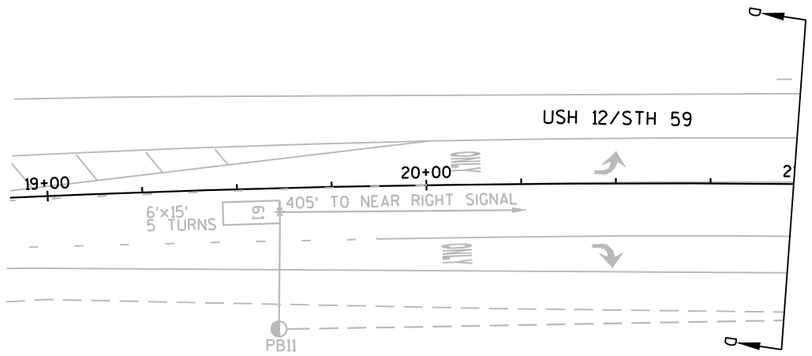
APPROVAL RECOMMENDED
DATE 2/24/06 MITZI M. DOBERSEK, REGION TRAFFIC ENGINEER
APPROVED
DATE 3/14/06 WILLIAM C. GILDING, STATE TRAFFIC ENGINEER

ADD EB LT TURN 11/25/08	
FIELD ASBUILT 10/06	
INITIAL INSTALL 2006	

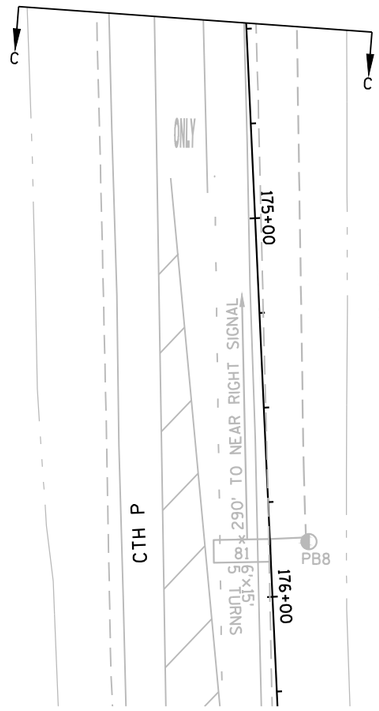
REGION CONTACT: M. COWAP
DESIGNED BY:
REVISED BY: S. WAGNER

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	TRAFFIC SIGNAL PLAN	SHEET 96	E

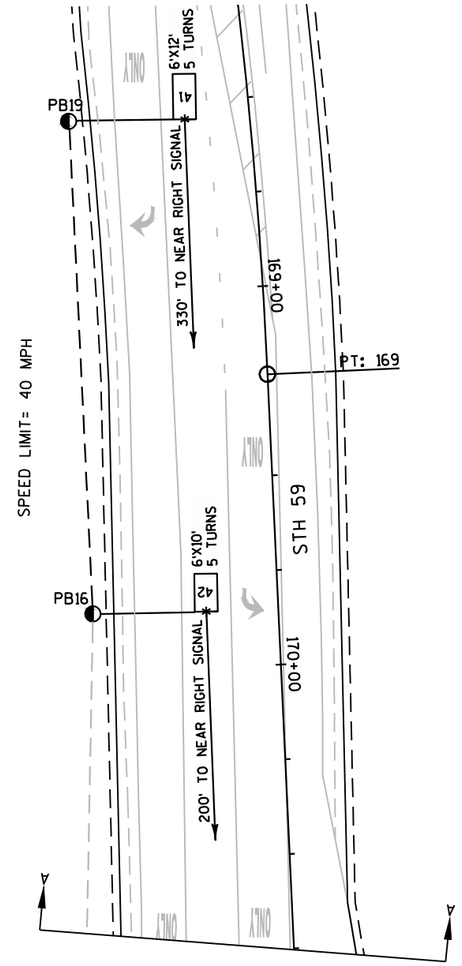
FILE NAME : N:\PDS\C3D\CAD\31100201\SIG\S64-1017\S64-1017_C_16.DWG
LAYOUT NAME - S64-1017_C_PG1
PLOT DATE : 4/5/2018 8:13 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



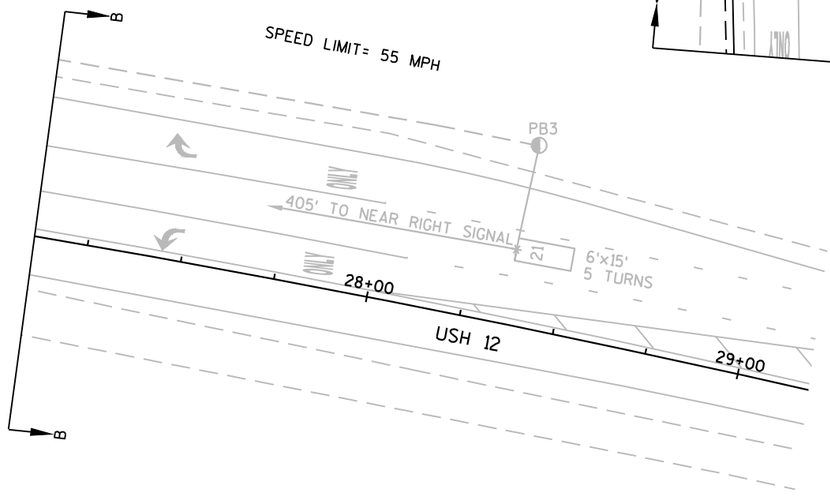
SPEED LIMIT= 55 MPH



SPEED LIMIT= 40 MPH



SPEED LIMIT= 40 MPH



TRAFFIC CONTROL SIGNAL
USH 12 & CTH P
TOWN OF WHITEWATER
WALWORTH COUNTY

SIGNAL NO. S64-1017

REGION CONTACT: M. COWAP
DESIGNED BY:
REVISED BY: S. WAGNER

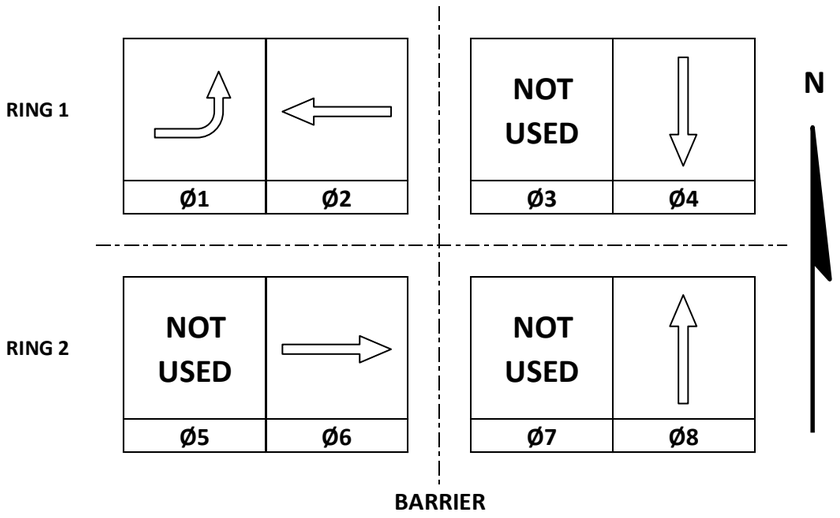
PAGE 2 OF 3

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	TRAFFIC SIGNAL PLAN	SHEET 97	E

FILE NAME : N:\PDS\C3D\CAD\31100201\SIG\S64-1017\S64-1017_C_16.DWG
LAYOUT NAME - S64-1017_C_PG2

PLOT DATE : 4/5/2018 8:13 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN: 40 FT

	HEAD NUMBERS	FLASH
Ø1	2,3	-
Ø2	4,5,6	R
Ø3		
Ø4	10,11,12	R
Ø5		
Ø6	1,2,3	R
Ø7		
Ø8	7,8,9	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA		
OLB		
OLC		
OLD		



DETECTOR LOGIC

DETECTOR NUMBER	AMPLIFIER CHANNEL	DETECTOR OPERATION			PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	SIZE	NUMBER OF TURNS
		CALLS AND EXTENDS	CALLS ONLY	EXTENDS ONLY							
11	9	X			1	1		X		6x20	4
12	9	X			1	1		X		6x20	4
21	1	X			2	2				6x15	5
22	1	X			2	2				6x10	5
41	2			X		4			X	6x6	6
42	2			X		4			X	6x6	6
43	3	X			4	4				6x20	3
44	3	X			4	4				6x20	3
45	4	X			4	4		X		6x20	3
46	4	X			4	4		X		6x20	3
23	10	X			2	2		X		6x20	3
24	10	X			2	2		X		6x20	3
61	5	X			6	6				6x15	5
62	5	X			6	6				6x10	5
81	6			X		8			X	6x15	5
82	7	X			8	8		X		6x20	3
83	7	X			8	8		X		6x30	3
84	8	X			8	8		X		6x20	3
85	8	X			8	8		X		6x20	3

CONTROLLER LOGIC

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

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

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

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

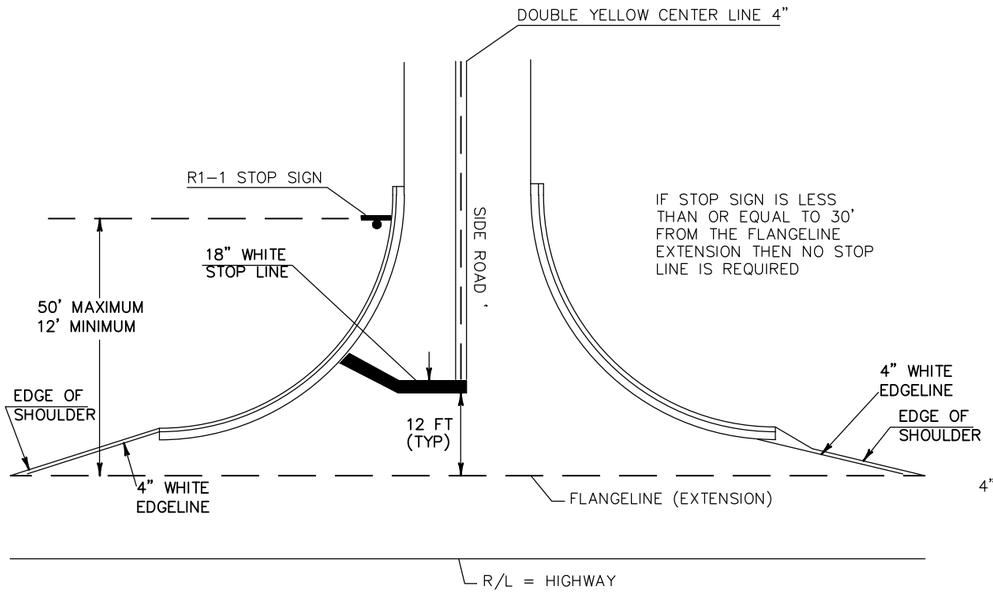
TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	X
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

EMERGENCY VEHICLE PREEMPTION SEQUENCE

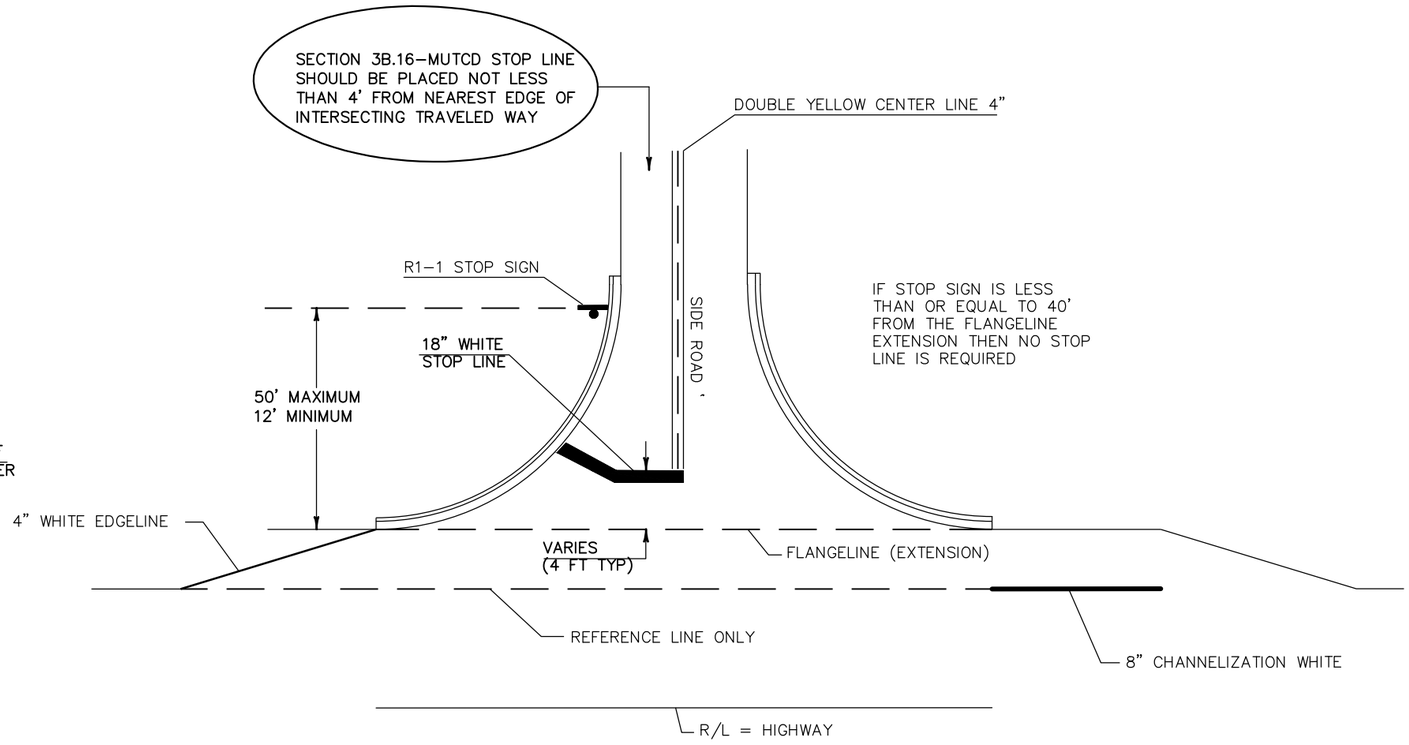
EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT	← →	← →	↓ ↑	↓ ↑
PHASE	2+6	6+2	4+8	8+4

AFTER PREEMPTION SEQUENCE 2+6 OR 6+2, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+8 OR 8+4, CONTROLLER SHALL RETURN TO PHASES 4+8.

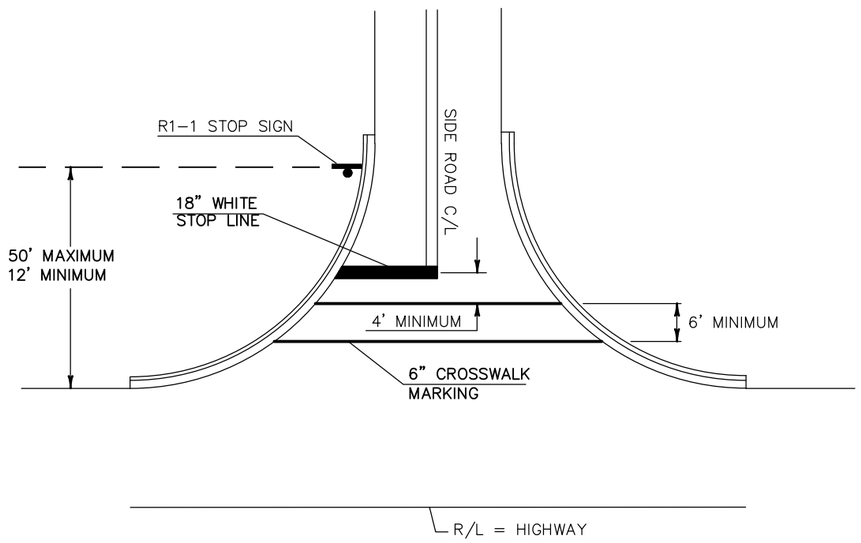
USH 12 & CTH P
TOWN OF WHITEWATER
WALWORTH COUNTY
SIGNAL NO: S64-1017 CABINET TYPE: TS1
CONTROLLER TYPE: ECONO
DATE: 09/2017 PAGE NO. 3 OF 3



TYPICAL PAVEMENT MARKING FOR SIDEROADS



TYPICAL PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING

NOTES:
18–INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.

STOP LINES REQUIRED WHERE:

- CROSSWALK MARKINGS EXIST OR BEING PROVIDED
- LARGE RADII
- OFFSET LEFT TURNS WHERE STOP BAR FOR LEFT TURN IS SET BACK FROM THRU MOVEMENT.

NOTE:

-ESTABLISH NO PASSING ZONES PER BID ITEM "LOCATING NO PASSING ZONES"

-SEE PAVEMENT MARKING DETAIL FOR POSITION OF STOP BARS.

-PLACE CROSSWALK MARKINGS OUTSIDE OF RED CONCRETE PAVEMENT.

N

1 DOUBLE
3
12
1 DOUBLE
3
STH 59
102+00
103+00
104+00
105+00
106+00
107+00
108+
11'
11'
11'
11'
11'
+87
+37
SIGN
SIGN
SIGN
3
3
12
8
1 DOUBLE
9+00
TAFT STREET

PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW) (12.5 FT LINE 37.5 FT GAP)
3. MARKING LINE EPOXY 4-INCH (WHITE)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE EPOXY 8-INCH (WHITE) (3 FT LINE 9 FT GAP)
6. MARKING ARROW EPOXY - TYPE 2
7. MARKING WORD EPOXY
8. MARKING STOP LINE EPOXY 18-INCH
9. MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE) (2 FT LINE 2 FT GAP)
10. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
11. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
12. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PAVEMENT MARKING	SHEET 100	E

FILE NAME : N:\PDS\C3D\CAD\31100201\024501_PM.DWG
LAYOUT NAME - 024501_pm

PLOT DATE : 3/15/2018 9:05 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTE:

-ESTABLISH NO PASSING ZONES PER BID ITEM "LOCATING NO PASSING ZONES"

-SEE PAVEMENT MARKING DETAIL FOR POSITION OF STOP BARS.

-PLACE CROSSWALK MARKINGS OUTSIDE OF RED CONCRETE PAVEMENT.

N

STH 59

WILLARD STREET

RICE STREET

108+00 109+00 110+00 111+00 112+00 113+00 114+00

21+00 22+00 23+00 24+00

11' 11' 11' 11' 11' 11'

SIGN

1 DOUBLE

3

8

12

DOUBLE 1

PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW) (12.5 FT LINE 37.5 FT GAP)
3. MARKING LINE EPOXY 4-INCH (WHITE)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE EPOXY 8-INCH (WHITE) (3 FT LINE 9 FT GAP)
6. MARKING ARROW EPOXY - TYPE 2
7. MARKING WORD EPOXY
8. MARKING STOP LINE EPOXY 18-INCH
9. MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE) (2 FT LINE 2 FT GAP)
10. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
11. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
12. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PAVEMENT MARKING	SHEET 101	E

FILE NAME : N:\PDS\C3D\CAD\31100201\024501_PM.DWG
LAYOUT NAME - 024502_pm

PLOT DATE : 3/15/2018 9:05 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTE:

-ESTABLISH NO PASSING ZONES PER BID ITEM "LOCATING NO PASSING ZONES"

-SEE PAVEMENT MARKING DETAIL FOR POSITION OF STOP BARS.

-PLACE CROSSWALK MARKINGS OUTSIDE OF RED CONCRETE PAVEMENT.

N

1 DOUBLE

3

SLAB

STH 59

114+00

115+00

116+00

117+00

118+00

119+00

120+00

+75

+00

25'

11'

11'

11'

11'

SIGN

SIGN

3

11

PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW) (12.5 FT LINE 37.5 FT GAP)
3. MARKING LINE EPOXY 4-INCH (WHITE)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE EPOXY 8-INCH (WHITE) (3 FT LINE 9 FT GAP)
6. MARKING ARROW EPOXY - TYPE 2
7. MARKING WORD EPOXY
8. MARKING STOP LINE EPOXY 18-INCH
9. MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE) (2 FT LINE 2 FT GAP)
10. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
11. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
12. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PAVEMENT MARKING	SHEET 102	E

FILE NAME : N:\PDS\C3D\CAD\31100201\024501_PM.DWG
LAYOUT NAME - 024503_pm

PLOT DATE : 3/15/2018 9:05 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTE:

-ESTABLISH NO PASSING ZONES PER BID ITEM "LOCATING NO PASSING ZONES"

-SEE PAVEMENT MARKING DETAIL FOR POSITION OF STOP BARS.

-PLACE CROSSWALK MARKINGS OUTSIDE OF RED CONCRETE PAVEMENT.

-REMOVE EXISTING PAVEMENT MARKINGS STA 120+50 TO STA 124+50 THAT CONFLICT WITH PROPOSED PAVEMENT MARKINGS.

BLUFF ROAD

STH 59

CLAY STREET

SIGNI

YIELD

DOUBLE

895' R

120+00

121+00

122+00

123+00

124+00

125+00

126+00

+00

+22

+45

+87

+16

+33

+25

+75

+05

11'

12'

17'

10'

22'

5'

PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW) (12.5 FT LINE 37.5 FT GAP)
3. MARKING LINE EPOXY 4-INCH (WHITE)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE EPOXY 8-INCH (WHITE) (3 FT LINE 9 FT GAP)
6. MARKING ARROW EPOXY - TYPE 2
7. MARKING WORD EPOXY
8. MARKING STOP LINE EPOXY 18-INCH
9. MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE) (2 FT LINE 2 FT GAP)
10. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
11. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
12. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PAVEMENT MARKING	SHEET 103	E

FILE NAME : N:\PDS\C3D\CAD\31100201\024501_PM.DWG
LAYOUT NAME - 024504_pm

PLOT DATE : 3/15/2018 9:05 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

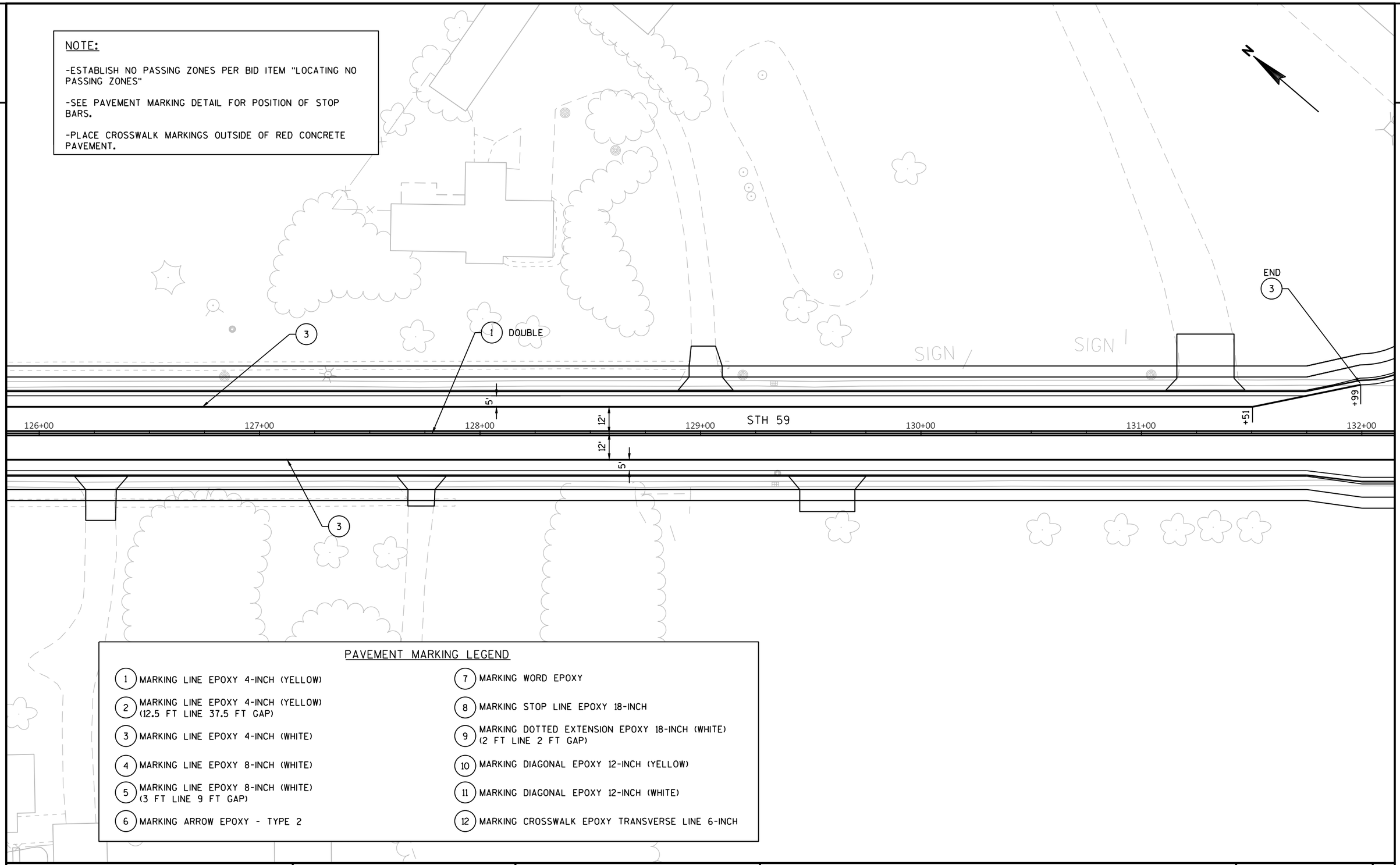
2

NOTE:

-ESTABLISH NO PASSING ZONES PER BID ITEM "LOCATING NO PASSING ZONES"

-SEE PAVEMENT MARKING DETAIL FOR POSITION OF STOP BARS.

-PLACE CROSSWALK MARKINGS OUTSIDE OF RED CONCRETE PAVEMENT.

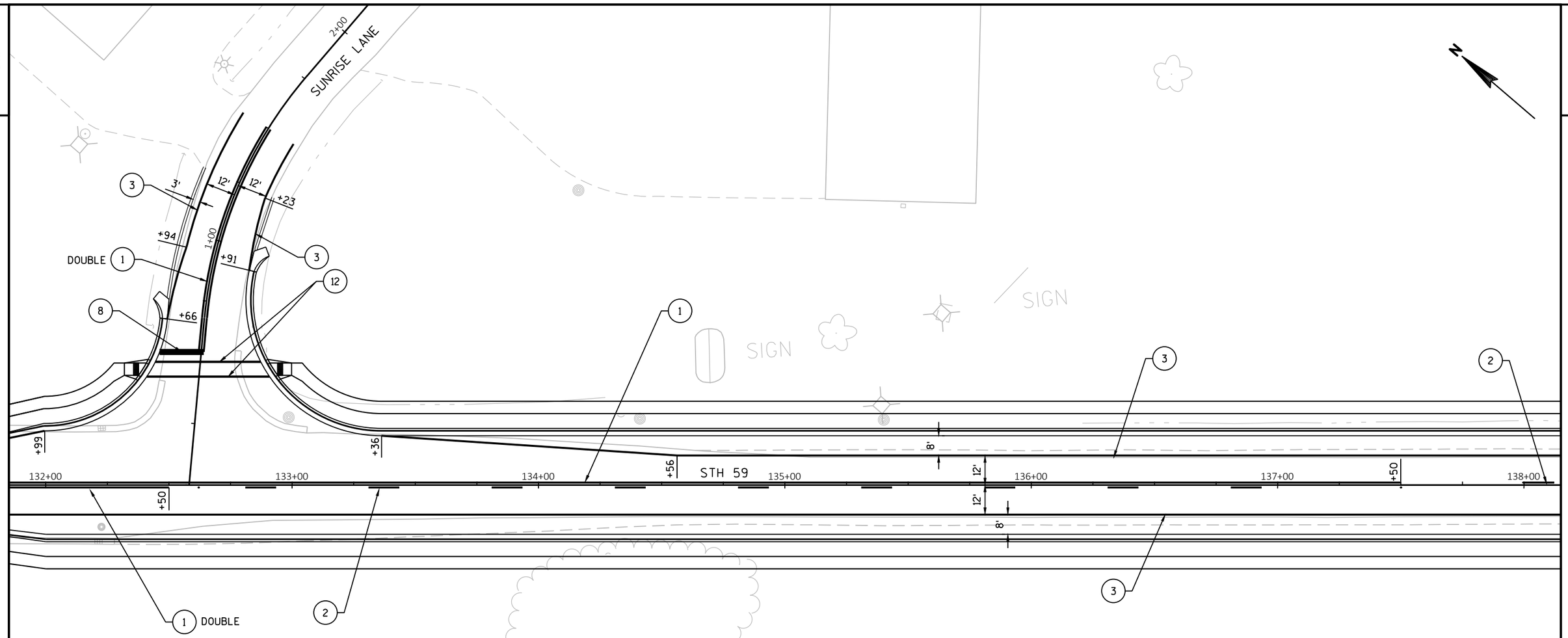


PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW) (12.5 FT LINE 37.5 FT GAP)
3. MARKING LINE EPOXY 4-INCH (WHITE)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE EPOXY 8-INCH (WHITE) (3 FT LINE 9 FT GAP)
6. MARKING ARROW EPOXY - TYPE 2
7. MARKING WORD EPOXY
8. MARKING STOP LINE EPOXY 18-INCH
9. MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE) (2 FT LINE 2 FT GAP)
10. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
11. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
12. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PAVEMENT MARKING	SHEET 104	E

2



PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW) (12.5 FT LINE 37.5 FT GAP)
3. MARKING LINE EPOXY 4-INCH (WHITE)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE EPOXY 8-INCH (WHITE) (3 FT LINE 9 FT GAP)
6. MARKING ARROW EPOXY - TYPE 2
7. MARKING WORD EPOXY
8. MARKING STOP LINE EPOXY 18-INCH
9. MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE) (2 FT LINE 2 FT GAP)
10. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
11. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
12. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

NOTE:

-ESTABLISH NO PASSING ZONES PER BID ITEM "LOCATING NO PASSING ZONES"

-SEE PAVEMENT MARKING DETAIL FOR POSITION OF STOP BARS.

-PLACE CROSSWALK MARKINGS OUTSIDE OF RED CONCRETE PAVEMENT.

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PAVEMENT MARKING	SHEET 105	E

FILE NAME : N:\PDS\C3D\CAD\31100201\024501_PM.DWG
LAYOUT NAME - 024506_pm
PLOT DATE : 3/15/2018 9:05 AM
PLOT BY : GUENETTE, JEFFREY J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

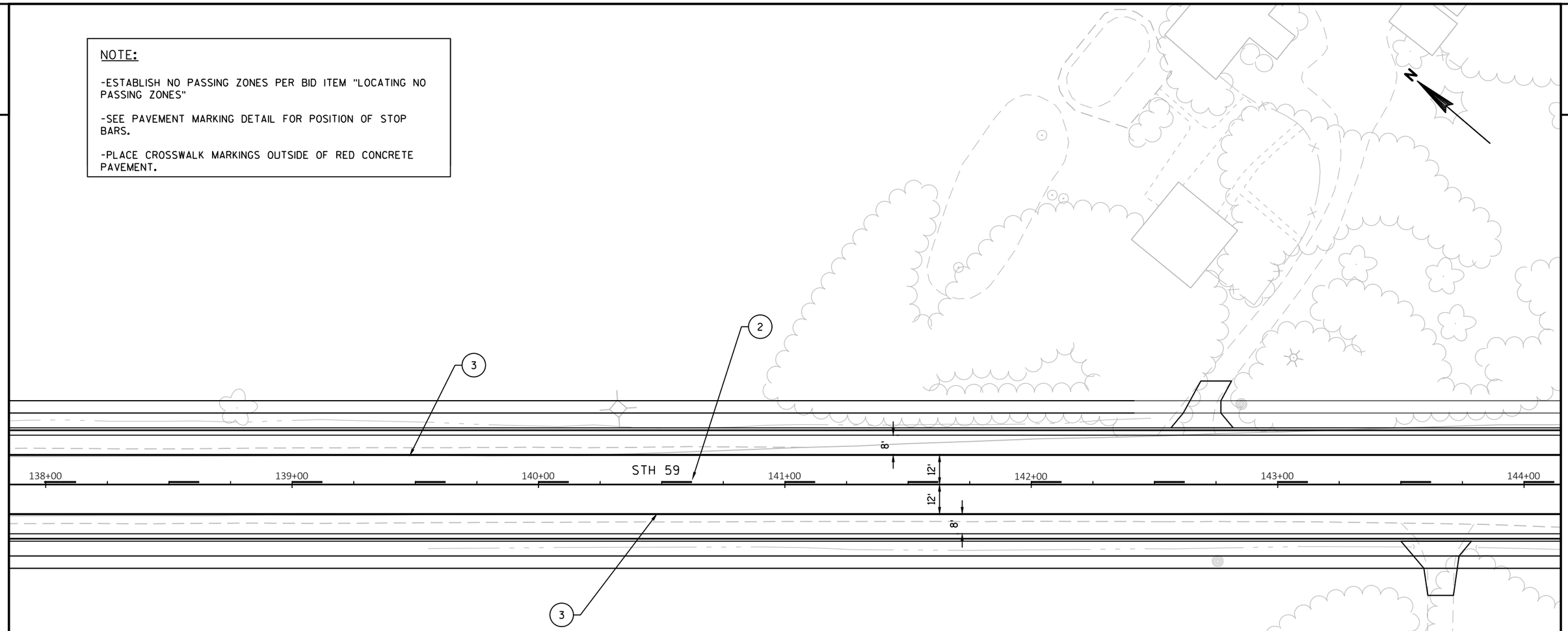
2

NOTE:

-ESTABLISH NO PASSING ZONES PER BID ITEM "LOCATING NO PASSING ZONES"

-SEE PAVEMENT MARKING DETAIL FOR POSITION OF STOP BARS.

-PLACE CROSSWALK MARKINGS OUTSIDE OF RED CONCRETE PAVEMENT.



PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW) (12.5 FT LINE 37.5 FT GAP)
3. MARKING LINE EPOXY 4-INCH (WHITE)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE EPOXY 8-INCH (WHITE) (3 FT LINE 9 FT GAP)
6. MARKING ARROW EPOXY - TYPE 2
7. MARKING WORD EPOXY
8. MARKING STOP LINE EPOXY 18-INCH
9. MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE) (2 FT LINE 2 FT GAP)
10. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
11. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
12. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PAVEMENT MARKING	SHEET 106	E

FILE NAME : N:\PDS\C3D\CAD\31100201\024501_PM.DWG
LAYOUT NAME - 024507_pm

PLOT DATE : 3/15/2018 9:05 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

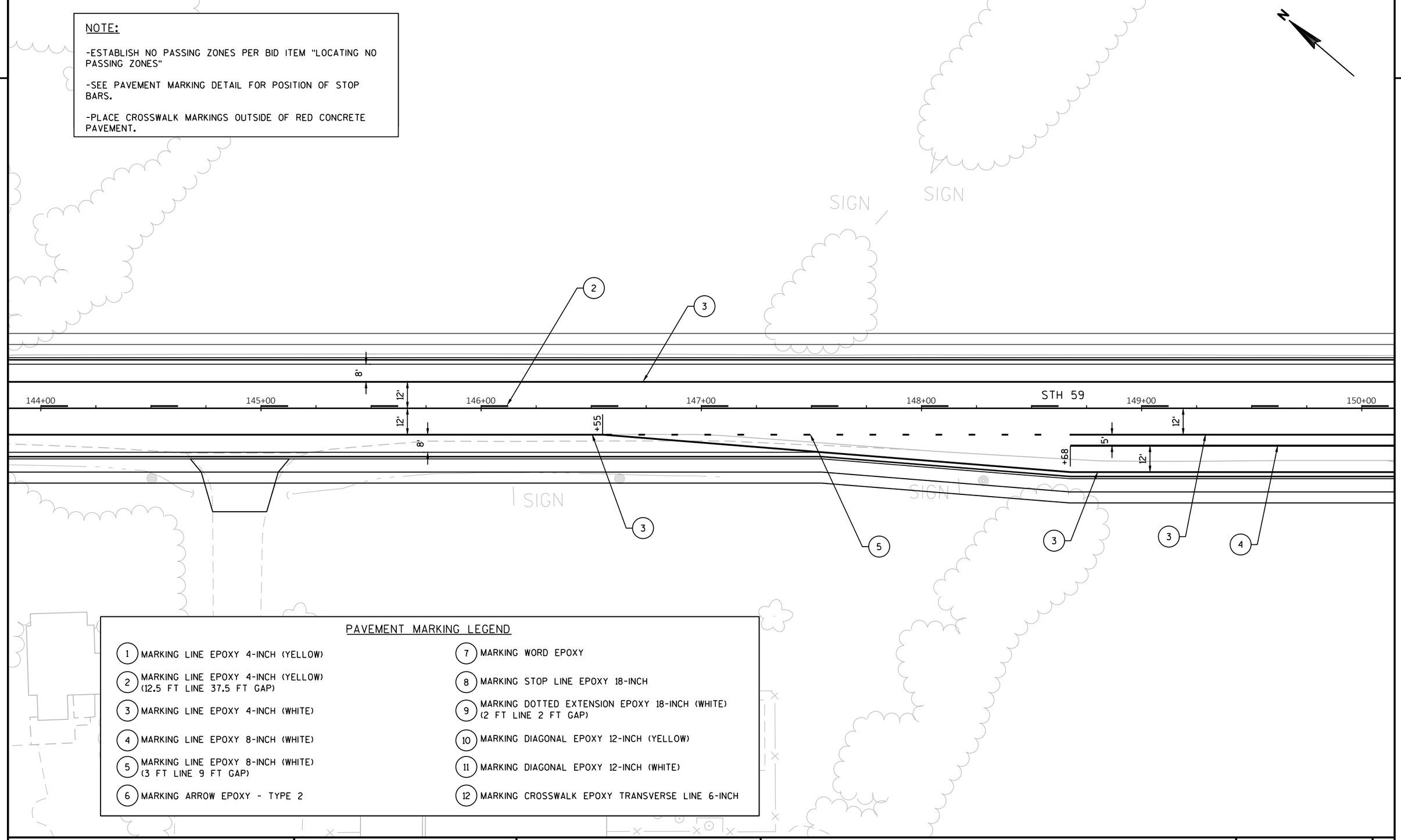
WISDOT/CADDS SHEET 42

NOTE:

-ESTABLISH NO PASSING ZONES PER BID ITEM "LOCATING NO PASSING ZONES"

-SEE PAVEMENT MARKING DETAIL FOR POSITION OF STOP BARS.

-PLACE CROSSWALK MARKINGS OUTSIDE OF RED CONCRETE PAVEMENT.



PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW) (12.5 FT LINE 37.5 FT GAP)
3. MARKING LINE EPOXY 4-INCH (WHITE)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE EPOXY 8-INCH (WHITE) (3 FT LINE 9 FT GAP)
6. MARKING ARROW EPOXY - TYPE 2
7. MARKING WORD EPOXY
8. MARKING STOP LINE EPOXY 18-INCH
9. MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE) (2 FT LINE 2 FT GAP)
10. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
11. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
12. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PAVEMENT MARKING	SHEET 107	E

FILE NAME : N:\PDS\C3D\CAD\31100201\024501_PM.DWG
LAYOUT NAME - 024508_pm

PLOT DATE : 3/15/2018 9:05 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW) (12.5 FT LINE 37.5 FT GAP)
3. MARKING LINE EPOXY 4-INCH (WHITE)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE EPOXY 8-INCH (WHITE) (3 FT LINE 9 FT GAP)
6. MARKING ARROW EPOXY - TYPE 2
7. MARKING WORD EPOXY
8. MARKING STOP LINE EPOXY 18-INCH
9. MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE) (2 FT LINE 2 FT GAP)
10. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
11. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
12. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

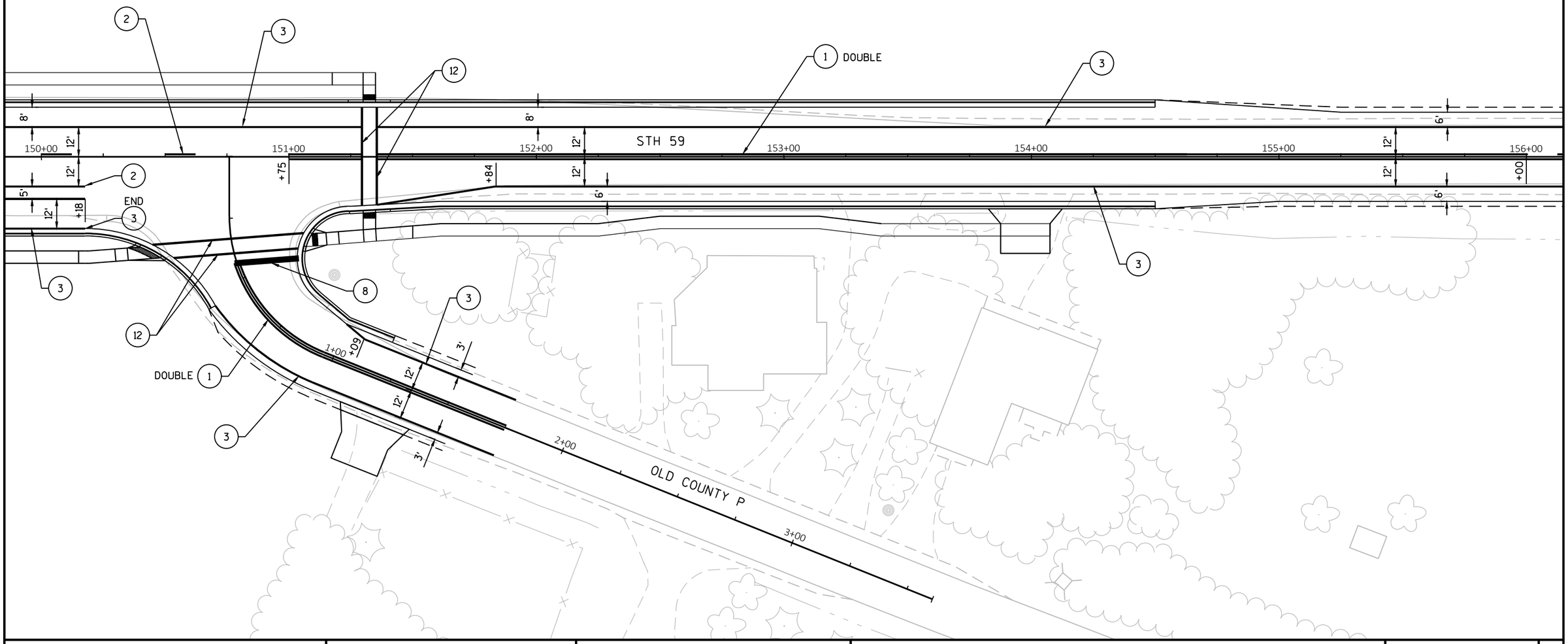
N

NOTE:

-ESTABLISH NO PASSING ZONES PER BID ITEM "LOCATING NO PASSING ZONES"

-SEE PAVEMENT MARKING DETAIL FOR POSITION OF STOP BARS.

-PLACE CROSSWALK MARKINGS OUTSIDE OF RED CONCRETE PAVEMENT.



PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PAVEMENT MARKING	SHEET 108	E

FILE NAME : N:\PDS\C3D\CAD\31100201\024501_PM.DWG
LAYOUT NAME - 024509_pm

PLOT DATE : 3/15/2018 9:05 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

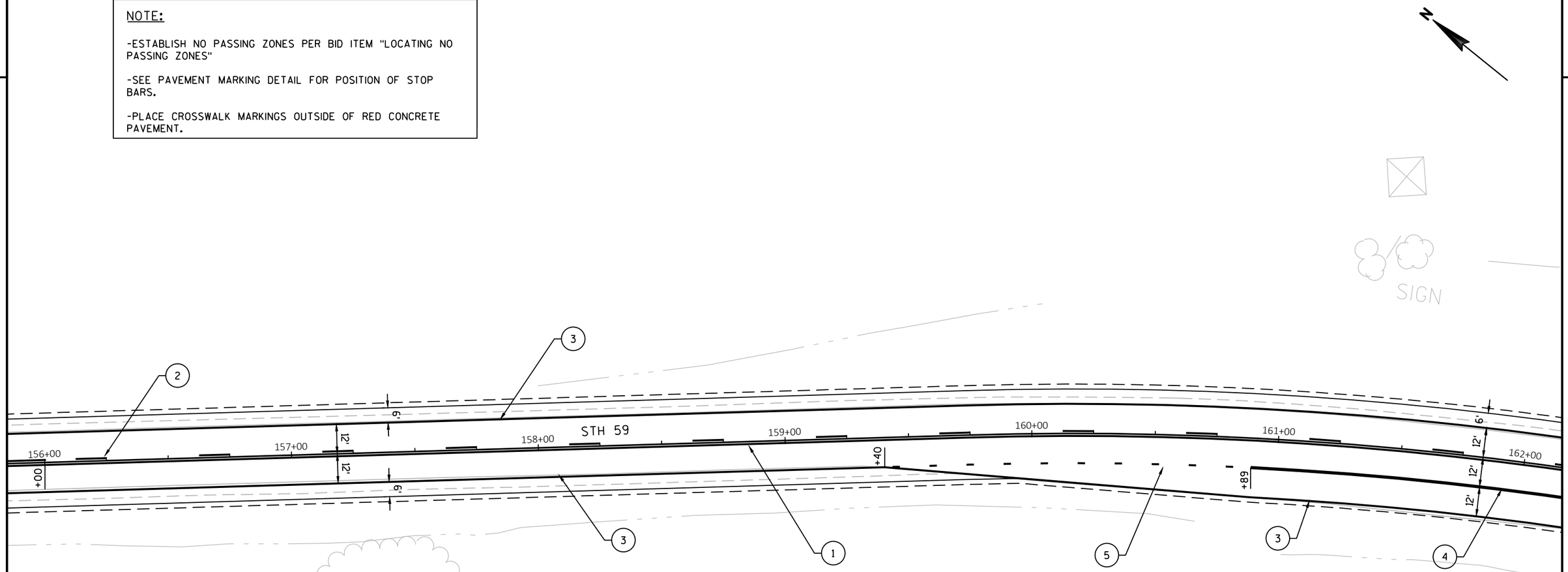
WISDOT/CADDS SHEET 42

NOTE:

-ESTABLISH NO PASSING ZONES PER BID ITEM "LOCATING NO PASSING ZONES"

-SEE PAVEMENT MARKING DETAIL FOR POSITION OF STOP BARS.

-PLACE CROSSWALK MARKINGS OUTSIDE OF RED CONCRETE PAVEMENT.



PAVEMENT MARKING LEGEND

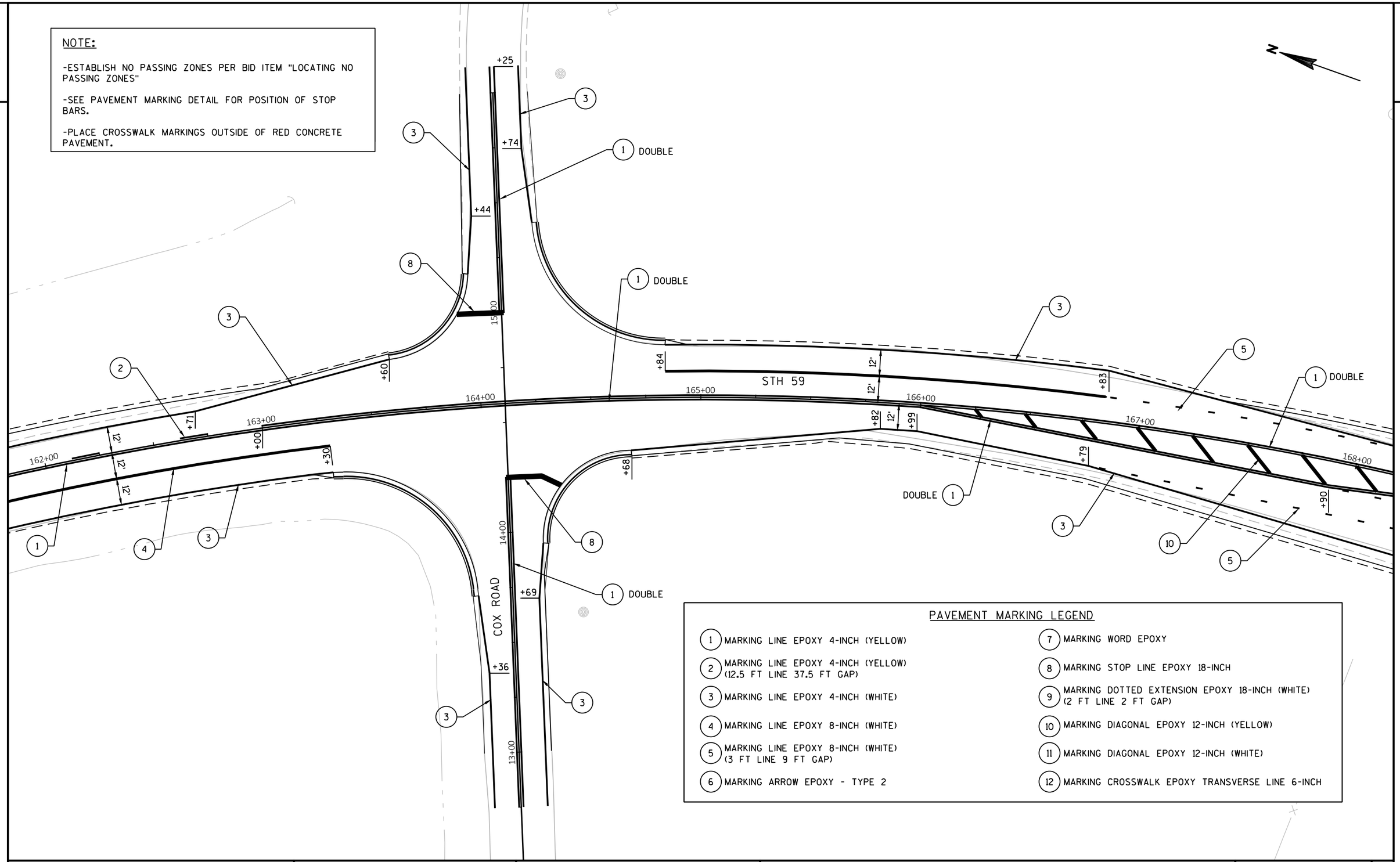
1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW) (12.5 FT LINE 37.5 FT GAP)
3. MARKING LINE EPOXY 4-INCH (WHITE)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE EPOXY 8-INCH (WHITE) (3 FT LINE 9 FT GAP)
6. MARKING ARROW EPOXY - TYPE 2
7. MARKING WORD EPOXY
8. MARKING STOP LINE EPOXY 18-INCH
9. MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE) (2 FT LINE 2 FT GAP)
10. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
11. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
12. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

NOTE:

-ESTABLISH NO PASSING ZONES PER BID ITEM "LOCATING NO PASSING ZONES"

-SEE PAVEMENT MARKING DETAIL FOR POSITION OF STOP BARS.

-PLACE CROSSWALK MARKINGS OUTSIDE OF RED CONCRETE PAVEMENT.



PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW) (12.5 FT LINE 37.5 FT GAP)
3. MARKING LINE EPOXY 4-INCH (WHITE)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE EPOXY 8-INCH (WHITE) (3 FT LINE 9 FT GAP)
6. MARKING ARROW EPOXY - TYPE 2
7. MARKING WORD EPOXY
8. MARKING STOP LINE EPOXY 18-INCH
9. MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE) (2 FT LINE 2 FT GAP)
10. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
11. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
12. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PAVEMENT MARKING	SHEET 110	E

FILE NAME : N:\PDS\C3D\CAD\31100201\024501_PM.DWG
LAYOUT NAME - 024511_pm

PLOT DATE : 3/15/2018 9:05 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:40 FT

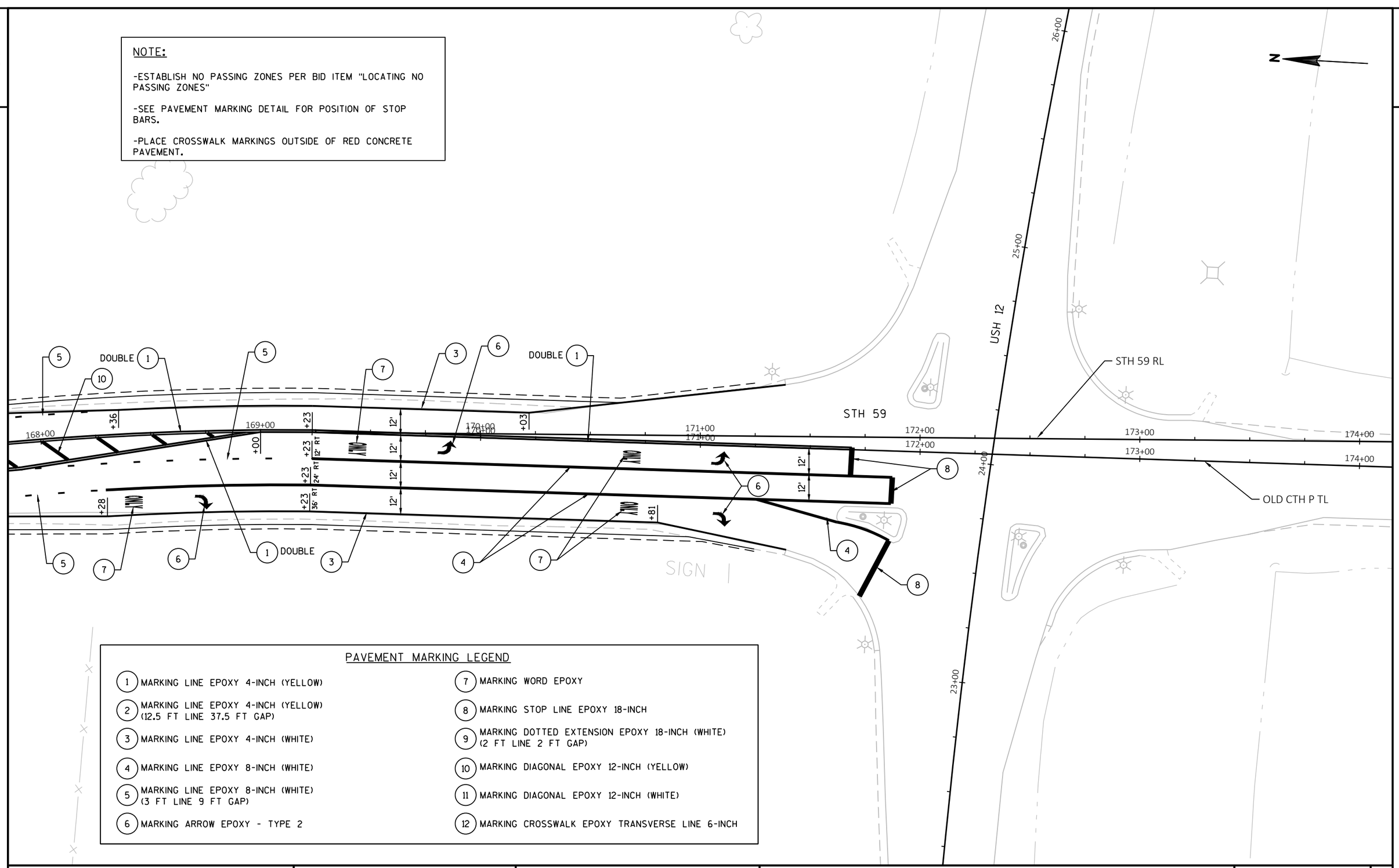
WISDOT/CADDS SHEET 42

NOTE:

-ESTABLISH NO PASSING ZONES PER BID ITEM "LOCATING NO PASSING ZONES"

-SEE PAVEMENT MARKING DETAIL FOR POSITION OF STOP BARS.

-PLACE CROSSWALK MARKINGS OUTSIDE OF RED CONCRETE PAVEMENT.



PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW) (12.5 FT LINE 37.5 FT GAP)
3. MARKING LINE EPOXY 4-INCH (WHITE)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE EPOXY 8-INCH (WHITE) (3 FT LINE 9 FT GAP)
6. MARKING ARROW EPOXY - TYPE 2
7. MARKING WORD EPOXY
8. MARKING STOP LINE EPOXY 18-INCH
9. MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE) (2 FT LINE 2 FT GAP)
10. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
11. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
12. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

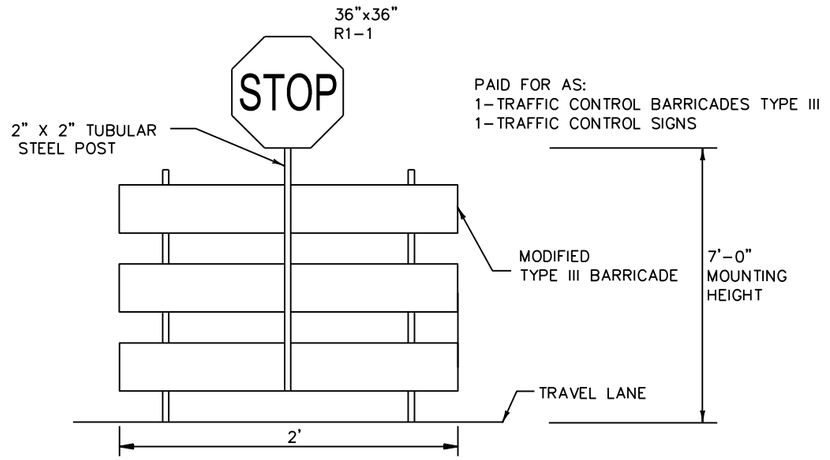
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PAVEMENT MARKING	SHEET 111	E

FILE NAME : N:\PDS\C3D\CAD\31100201\024501_PM.DWG
LAYOUT NAME - 024512_pm
PLOT DATE : 3/15/2018 9:05 AM
PLOT BY : GUENETTE, JEFFREY J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

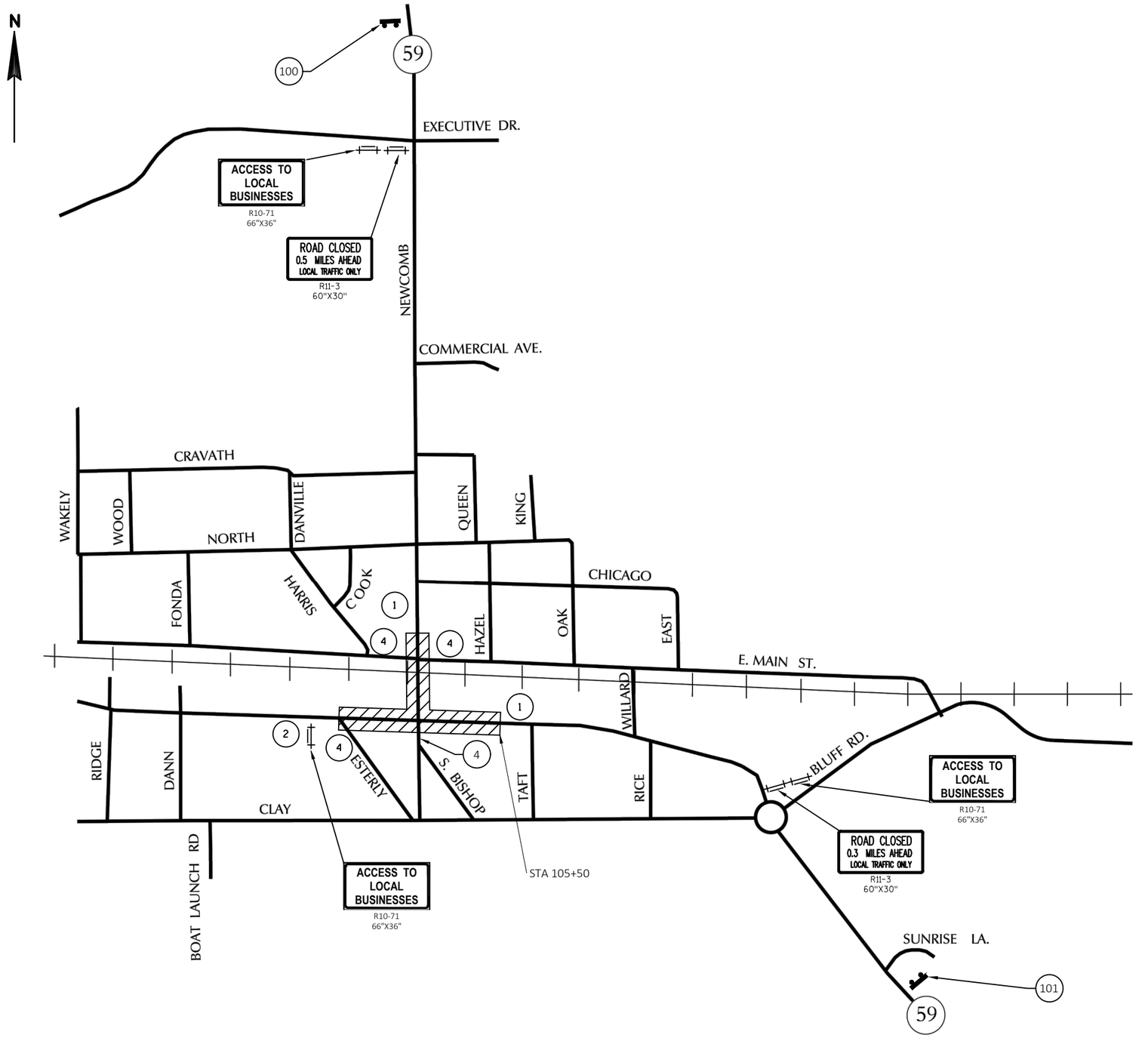
2

GENERAL NOTES FOR TRAFFIC CONTROL

1. TRAFFIC CONTROL DRUMS IN TAPERS, SHALL BE EQUIPPED WITH WARNING LIGHTS, TYPE "C", ONE WAY LIGHTS IN TAPERS ONLY, UNLESS OTHERWISE SHOWN.
2. SIGN LOCATIONS ARE APPROXIMATE. THE ACTUAL LOCATION SPACING MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO MEET FIELD CONDITIONS.
3. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.
4. ALL TRAFFIC CONTROL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED IN THE PLANS.
5. BARRICADE STRIPES ARE TO BE SLOPED DOWNWARD IN THE DIRECTIOIN OF TRAFFIC FLOW.



TEMPORARY STOP SIGN



TRAFFIC CONTROL GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200'. (500' DESIRABLE) DISTANCE TO EXISTING SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

ALL TYPE III BARRICADES SHALL BE 8' IN LENGTH AND HAVE 2 TYPE "A" WARNING LIGHTS.

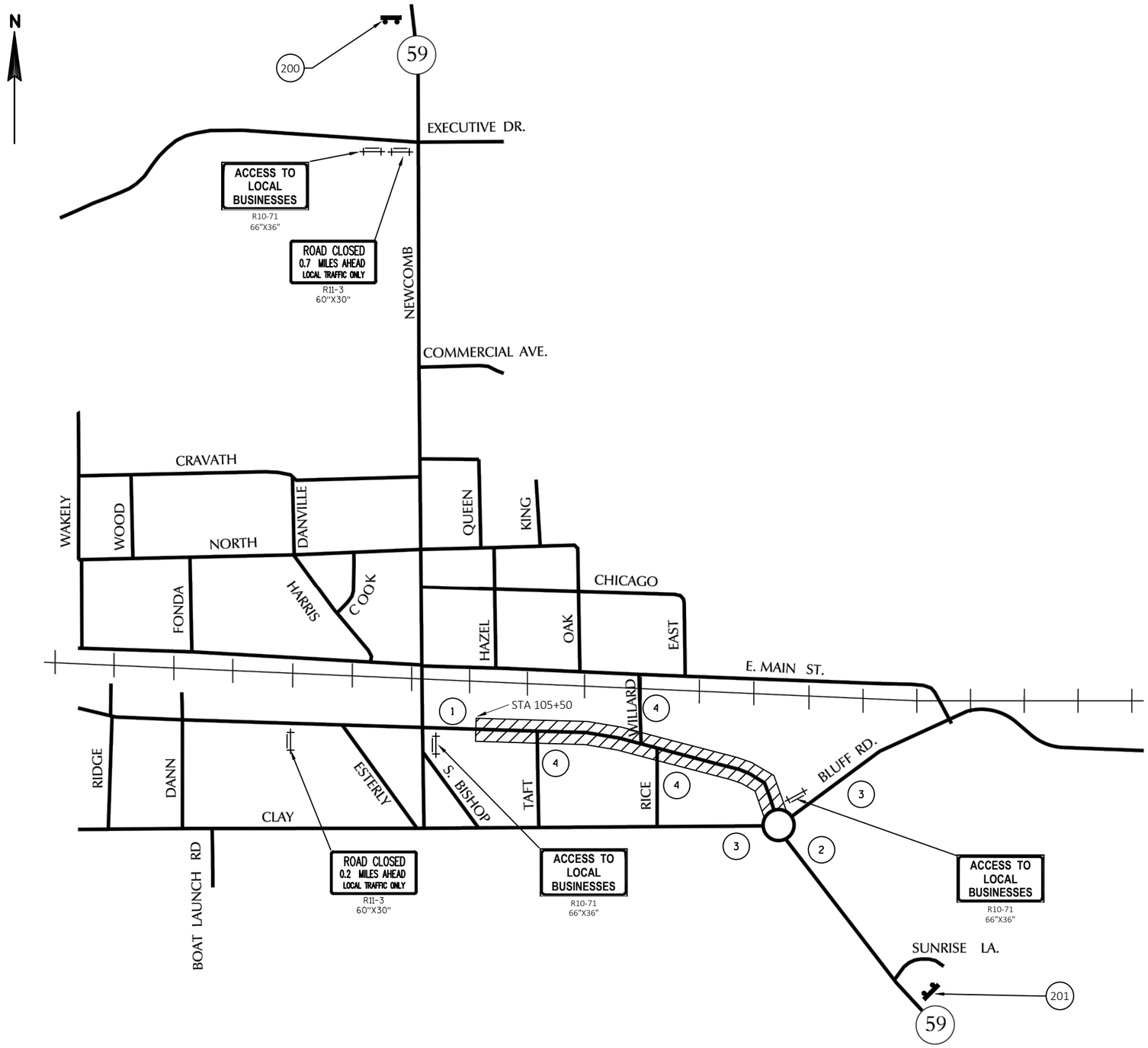
ANY "STOP" SIGNS THAT ARE REMOVED FOR A CONSTRUCTION OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED.

LEGEND

- FIXED MESSAGE SIGN
- TYPE III BARRICADE WITH SIGN
- WORK ZONE
- (1) SEE S.D.D. BARRICADE AND SIGNS FOR MAINLINE ROAD CLOSURE DETAIL A, C, AND E
- (2) SEE S.D.D. BARRICADE AND SIGNS FOR MAINLINE ROAD CLOSURE DETAIL B, AND E
- (3) SEE S.D.D. BARRICADE AND SIGNS FOR SIDEROAD CLOSURES DETAIL 3
- (4) SEE S.D.D. BARRICADE AND SIGNS FOR SIDEROAD CLOSURES DETAIL 4

(100) **HWY 59 CLOSED AT MAIN ST FOLLOW DETOUR**

(101) **HWY 59 CLOSED AT TAFT ST FOLLOW DETOUR**



TRAFFIC CONTROL GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200'. (500' DESIRABLE) DISTANCE TO EXISTING SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

ALL TYPE III BARRICADES SHALL BE 8' IN LENGTH AND HAVE 2 TYPE "A" WARNING LIGHTS.

ANY "STOP" SIGNS THAT ARE REMOVED FOR A CONSTRUCTION OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED.

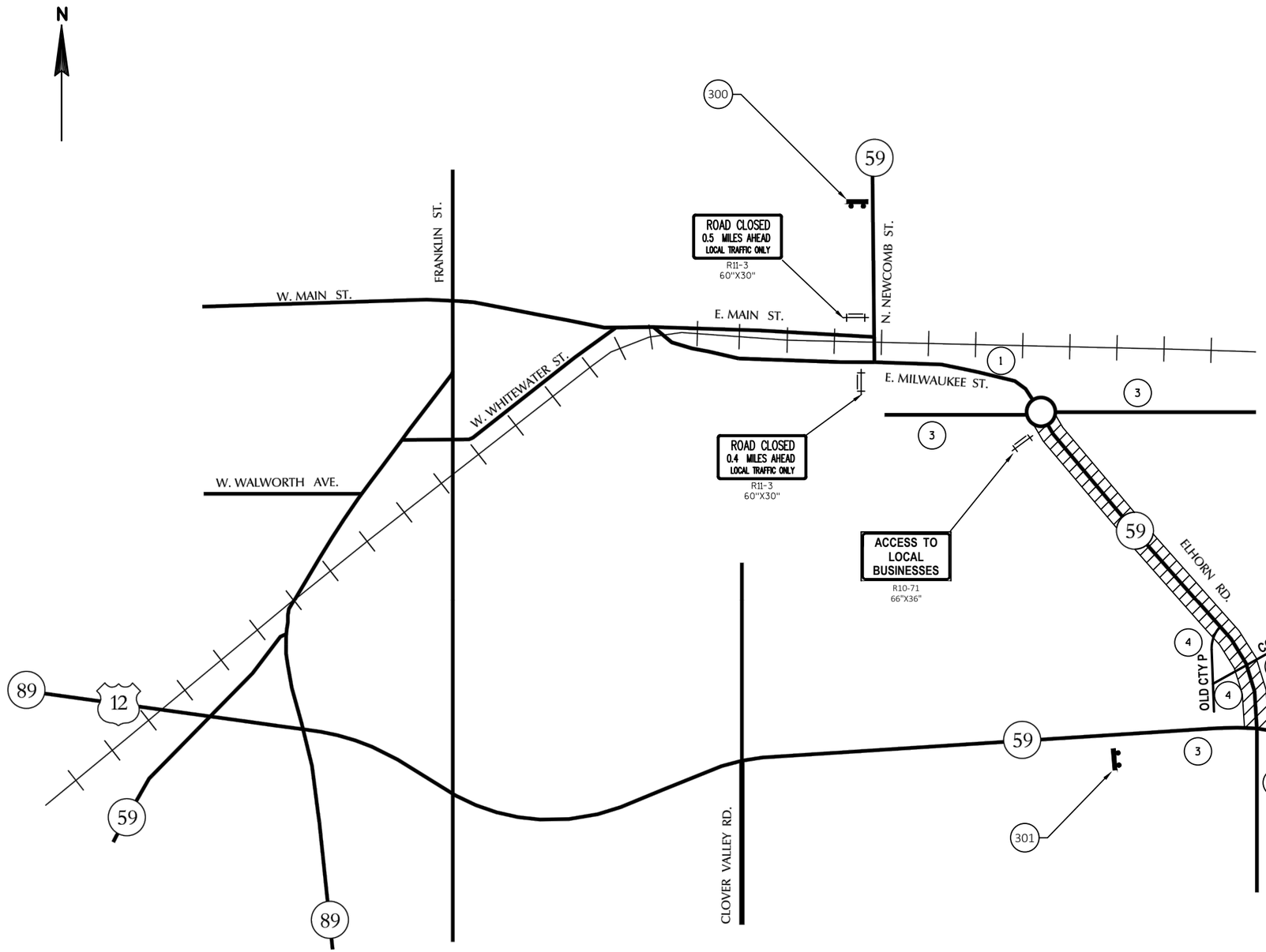
LEGEND

- FIXED MESSAGE SIGN
- TYPE III BARRICADE WITH SIGN
- WORK ZONE
- (1) SEE S.D.D. BARRICADE AND SIGNS FOR MAINLINE ROAD CLOSURE DETAIL A, C, AND E
- (2) SEE S.D.D. BARRICADE AND SIGNS FOR MAINLINE ROAD CLOSURE DETAIL B, AND E
- (3) SEE S.D.D. BARRICADE AND SIGNS FOR SIDEROAD CLOSURES DETAIL 3
- (4) SEE S.D.D. BARRICADE AND SIGNS FOR SIDEROAD CLOSURES DETAIL 4

(200) **HWY 59 CLOSED AT MILWAUKEE ST FOLLOW DETOUR**

(201) **HWY 59 CLOSED AT CLAY ST FOLLOW DETOUR**

2



TRAFFIC CONTROL GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200'. (500' DESIRABLE) DISTANCE TO EXISTING SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

ALL TYPE III BARRICADES SHALL BE 8' IN LENGTH AND HAVE 2 TYPE "A" WARNING LIGHTS.

ANY "STOP" SIGNS THAT ARE REMOVED FOR A CONSTRUCTION OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED.

LEGEND

- FIXED MESSAGE SIGN
- TYPE III BARRICADE WITH SIGN
- WORK ZONE
- (1) SEE S.D.D. BARRICADE AND SIGNS FOR MAINLINE ROAD CLOSURE DETAIL A, C, AND E
- (2) SEE S.D.D. BARRICADE AND SIGNS FOR MAINLINE ROAD CLOSURE DETAIL B, AND E
- (3) SEE S.D.D. BARRICADE AND SIGNS FOR SIDEROAD CLOSURES DETAIL 3
- (4) SEE S.D.D. BARRICADE AND SIGNS FOR SIDEROAD CLOSURES DETAIL 4

(300) **HWY 59 CLOSED AT CLAY ST FOLLOW DETOUR**

(301) (302) **HWY 59 OPEN TO LOCAL TRAFFIC ONLY**

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	TRAFFIC CONTROL - STAGE 3	SHEET 115	E

FILE NAME : N:\PDS\C3D\CAD\31100201\025001_TC.DWG
LAYOUT NAME - 04
PLOT DATE : 3/15/2018 9:15 AM
PLOT BY : GUENETTE, JEFFREY J
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

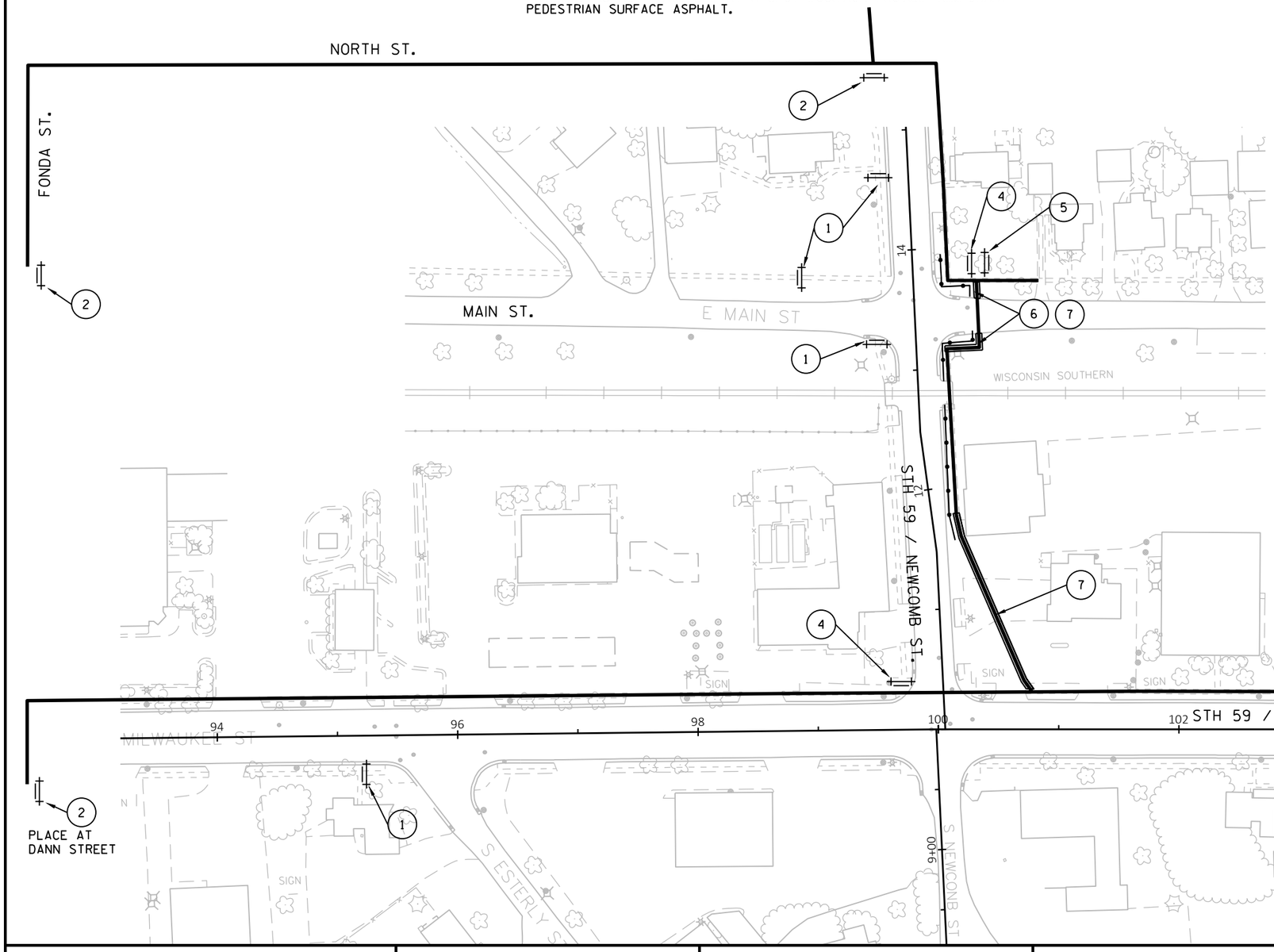
NOTES:

USE THE ROUTE SHOWN TO CONSTRUCT NEW SIDEWALK ON THE SOUTH SIDE OF MILWAUKEE STREET AND THE WEST SIDE OF NEWCOMB STREET.

USE EXISTING PEDESTRIAN FACILITIES ALONG THE ROUTE UNLESS SHOWN OTHERWISE IN THE DETAIL BELOW. IF EXISTING FACILITIES ARE NOT AVAILABLE AT A SPOT LOCATION, PROVIDE TEMPORARY PEDESTRIAN SURFACE ASPHALT.

SEE DETAILS FOR TEMPORARY PEDESTRIAN SURFACE ASPHALT AND TEMPORARY CURB RAMP.

MAINTAIN PEDESTRIAN ACCESS ACROSS THE NORTH LEG OF THE NEWCOMB STREET AND MILWAUKEE STREET INTERSECTION UTILIZING EXISTING CURB RAMPS, EXISTING SIDEWALK, AND EXISTING PAVEMENT. IF EXISTING SIDEWALK OR EXISTING PAVEMENT IS NOT AVAILABLE AT A SPOT LOCATION PROVIDE TEMPORARY PEDESTRIAN SURFACE ASPHALT.



LEGEND

PEDESTRIAN ROUTE / SIDEWALK OPEN

TEMPORARY PEDESTRIAN SAFETY FENCE

1 * SIDEWALK CLOSED
R9-9
24"X12"

2 * SIDEWALK CLOSED AHEAD CROSS HERE
R9-11
24"X12"

3 * SIDEWALK CLOSED AHEAD CROSS HERE
R9-11
24"X12"

4 * SIDEWALK CLOSED CROSS HERE
R9-11A
24"X12"

5 * SIDEWALK CLOSED CROSS HERE
R9-11A
24"X12"

6 TEMPORARY CURB RAMP

7 TEMPORARY PEDESTRIAN SURFACE ASPHALT

* INSTALL SIGNS ON TYPE III BARRICADE WITH ONE WARNING LIGHT TYPE A

N

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	TRAFFIC CONTROL - PEDESTRIAN ROUTING - STAGE 1A	SHEET 116	E

FILE NAME : N:\PDS\C3D\CAD\31100201\025002_TC.DWG
LAYOUT NAME - 05
PLOT DATE : 3/15/2018 9:16 AM
PLOT BY : GUENETTE, JEFFREY J
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

NOTES:

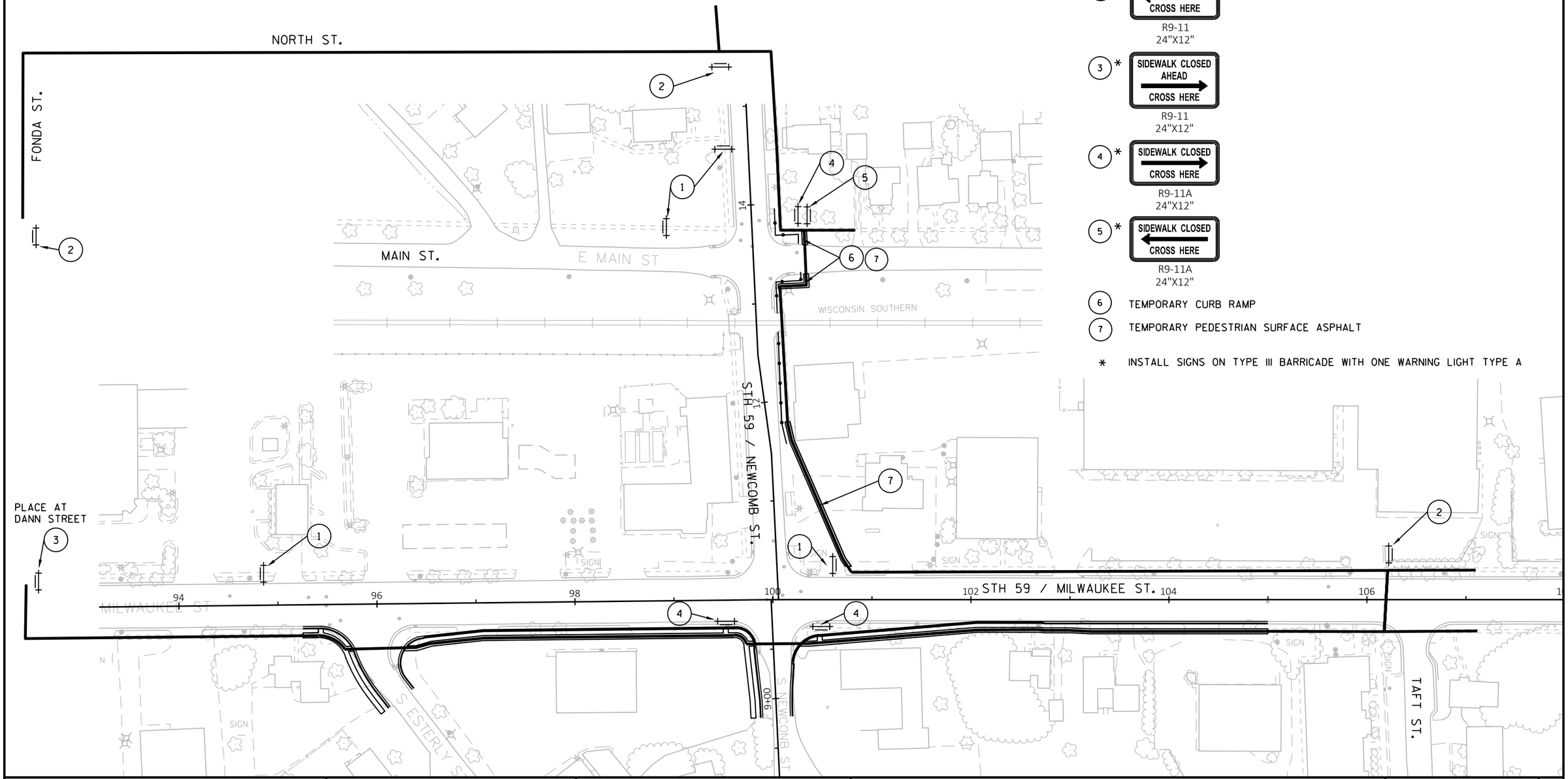
USE THE ROUTE SHOWN TO CONSTRUCT NEW SIDEWALK ON THE NORTH SIDE OF MILWAUKEE STREET (WEST OF NEWCOMB STREET) AND THE WEST SIDE OF NEWCOMB STREET.

COMPLETE NEW SIDEWALK CONSTRUCTION ON SOUTH SIDE OF MILWAUKEE STREET PRIOR TO USING THIS PEDESTRIAN ROUTING.

USE EXISTING PEDESTRIAN FACILITIES ALONG THE ROUTE ALONG NEWCOMB STREET UNLESS SHOWN OTHERWISE IN THE DETAIL BELOW. IF EXISTING FACILITIES ARE NOT AVAILABLE AT A SPOT LOCATION, PROVIDE TEMPORARY PEDESTRIAN SURFACE ASPHALT.

SEE DETAILS FOR TEMPORARY PEDESTRIAN SURFACE ASPHALT AND TEMPORARY CURB RAMP.

MAINTAIN PEDESTRIAN ACCESS ACROSS THE SOUTH LEG OF NEWCOMB STREET AND MILWAUKEE STREET INTERSECTION UTILIZING NEW CURB RAMPS, NEW SIDEWALK, AND NEW PAVEMENT.



LEGEND

PEDESTRIAN ROUTE / SIDEWALK OPEN

TEMPORARY PEDESTRIAN SAFETY FENCE

1 * SIDEWALK CLOSED — R9-9 24"X12"

2 * SIDEWALK CLOSED AHEAD CROSS HERE — R9-11 24"X12"

3 * SIDEWALK CLOSED AHEAD CROSS HERE — R9-11 24"X12"

4 * SIDEWALK CLOSED CROSS HERE — R9-11A 24"X12"

5 * SIDEWALK CLOSED CROSS HERE — R9-11A 24"X12"

6 TEMPORARY CURB RAMP

7 TEMPORARY PEDESTRIAN SURFACE ASPHALT

* INSTALL SIGNS ON TYPE III BARRICADE WITH ONE WARNING LIGHT TYPE A

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	TRAFFIC CONTROL - PEDESTRIAN ROUTING - STAGE 1B	SHEET 117	E

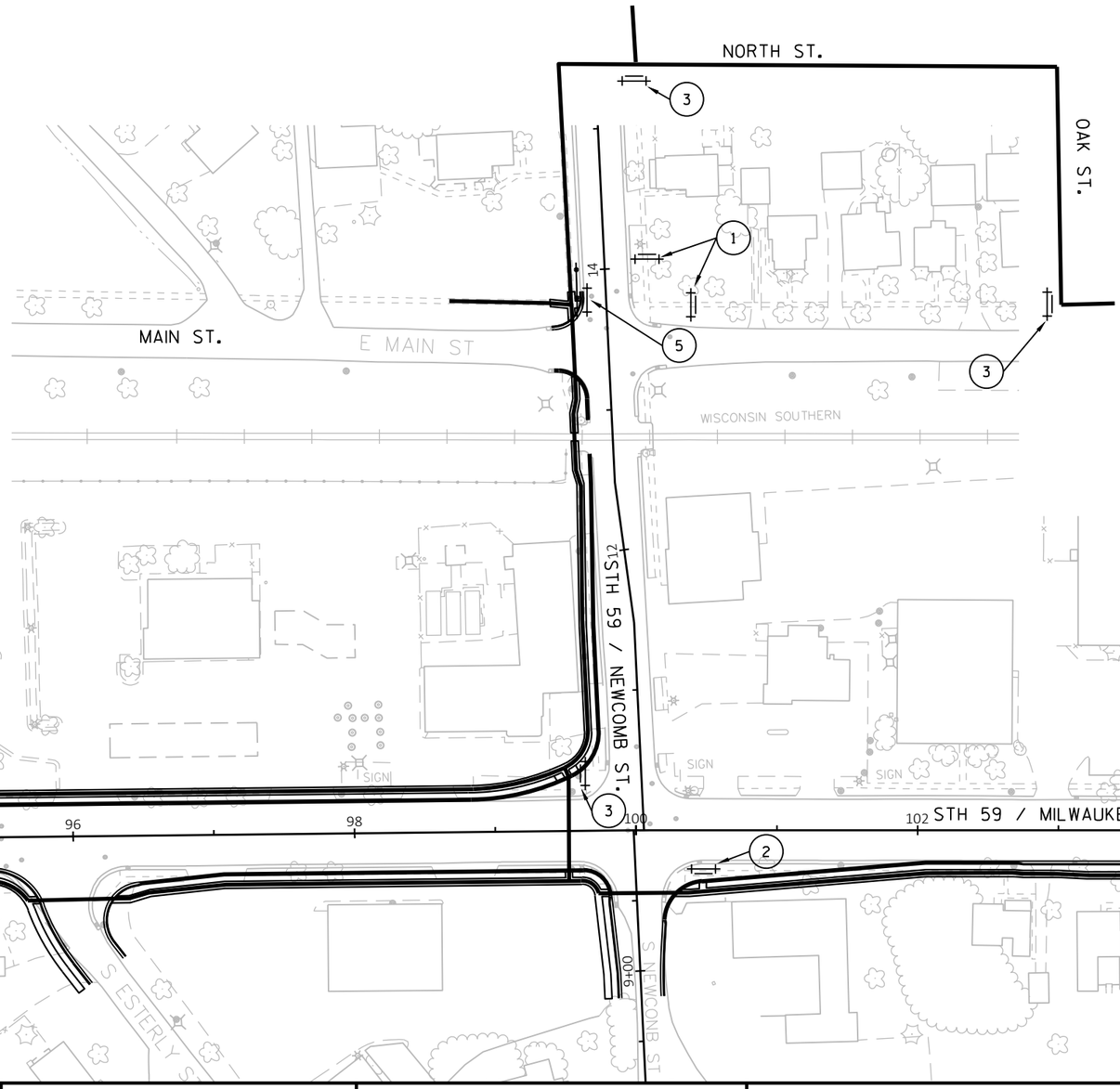
2

NOTES:

USE THE ROUTE SHOWN TO CONSTRUCT NEW SIDEWALK ON THE EAST SIDE OF NEWCOMB STREET AND THE NORTH SIDE OF MILWAUKEE STREET (EAST OF NEWCOMB STREET.

COMPLETE NEW SIDEWALK CONSTRUCTION ON NORTH SIDE OF MILWAUKEE STREET (WEST OF NEWCOMB STREET), WEST SIDE OF NEWCOMB STREET, AND SOUTH SIDE OF MILWAUKEE STREET PRIOR TO USING THIS PEDESTRIAN ROUTING.

USE NEW PEDESTRIAN FACILITIES ALONG THE ROUTE. IF NEW FACILITIES ARE NOT AVAILABLE AT A SPOT LOCATION, PROVIDE TEMPORARY PEDESTRIAN SURFACE ASPHALT.



LEGEND

PEDESTRIAN ROUTE / SIDEWALK OPEN

TEMPORARY PEDESTRIAN SAFETY FENCE

N

1 * SIDEWALK CLOSED
R9-9
24"X12"

2 * SIDEWALK CLOSED AHEAD CROSS HERE
R9-11
24"X12"

3 * SIDEWALK CLOSED AHEAD CROSS HERE
R9-11
24"X12"

4 * SIDEWALK CLOSED CROSS HERE
R9-11A
24"X12"

5 * SIDEWALK CLOSED CROSS HERE
R9-11A
24"X12"

* INSTALL SIGNS ON TYPE III BARRICADE WITH ONE WARNING LIGHT TYPE A

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	TRAFFIC CONTROL - PEDESTRIAN ROUTING - STAGE 1C	SHEET 118	E

FILE NAME : N:\PDS\C3D\CAD\31100201\025002_TC.DWG
LAYOUT NAME - 07

PLOT DATE : 3/15/2018 9:16 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

PEDESTRIAN ROUTE / SIDEWALK OPEN

TEMPORARY PEDESTRIAN SAFETY FENCE

1 * SIDEWALK CLOSED — R9-9, 24"X12"

2 * SIDEWALK CLOSED AHEAD / CROSS HERE (←) — R9-11, 24"X12"

3 * SIDEWALK CLOSED AHEAD / CROSS HERE (→) — R9-11, 24"X12"

3A * SIDEWALK CLOSED AHEAD / CROSS HERE (↔) — R9-11, 24"X12"

4 * SIDEWALK CLOSED / CROSS HERE (→) — R9-11A, 24"X12"

5 * SIDEWALK CLOSED / CROSS HERE (←) — R9-11A, 24"X12"

* INSTALL SIGNS ON TYPE III BARRICADE WITH ONE WARNING LIGHT TYPE A

** INSTALL AT INTERSECTION OF OLD BLUFF ROAD AND NEW BLUFF ROAD

NOTES:

USE THE ROUTE SHOWN TO CONSTRUCT NEW SIDEWALK ON THE NORTH SIDE OF MILWAUKEE STREET.

USE EXISTING PEDESTRIAN FACILITIES (SIDEWALK, CURB RAMPS, AND PAVEMENT) ALONG THE ROUTE. IF EXISTING FACILITIES ARE NOT AVAILABLE AT A SPOT LOCATION, PROVIDE TEMPORARY PEDESTRIAN SURFACE ASPHALT.

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	TRAFFIC CONTROL - PEDESTRIAN ROUTING - STAGE 2A	SHEET 119	E

LEGEND

PEDESTRIAN ROUTE / SIDEWALK OPEN

TEMPORARY PEDESTRIAN SAFETY FENCE

1 * SIDEWALK CLOSED
R9-9
24"X12"

2 * SIDEWALK CLOSED AHEAD CROSS HERE
R9-11
24"X12"

3 * SIDEWALK CLOSED AHEAD CROSS HERE
R9-11
24"X12"

4 * SIDEWALK CLOSED CROSS HERE
R9-11A
24"X12"

5 * SIDEWALK CLOSED CROSS HERE
R9-11A
24"X12"

* INSTALL SIGNS ON TYPE III BARRICADE WITH ONE WARNING LIGHT TYPE A

NOTES:

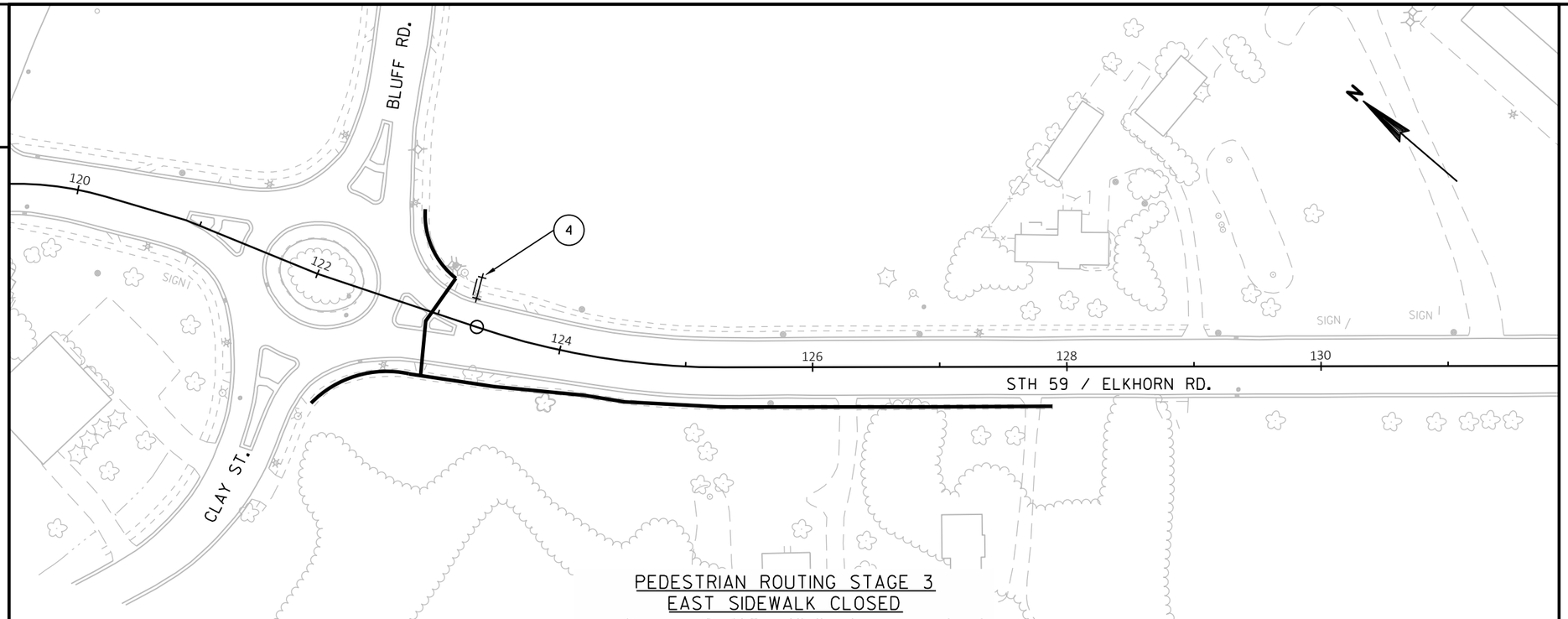
USE THE ROUTE SHOWN TO CONSTRUCT NEW SIDEWALK ON THE SOUTH SIDE OF MILWAUKEE STREET.

COMPLETE NEW SIDEWALK CONSTRUCTION ON NORTH SIDE OF MILWAUKEE STREET PRIOR TO USING THIS PEDESTRIAN ROUTING.

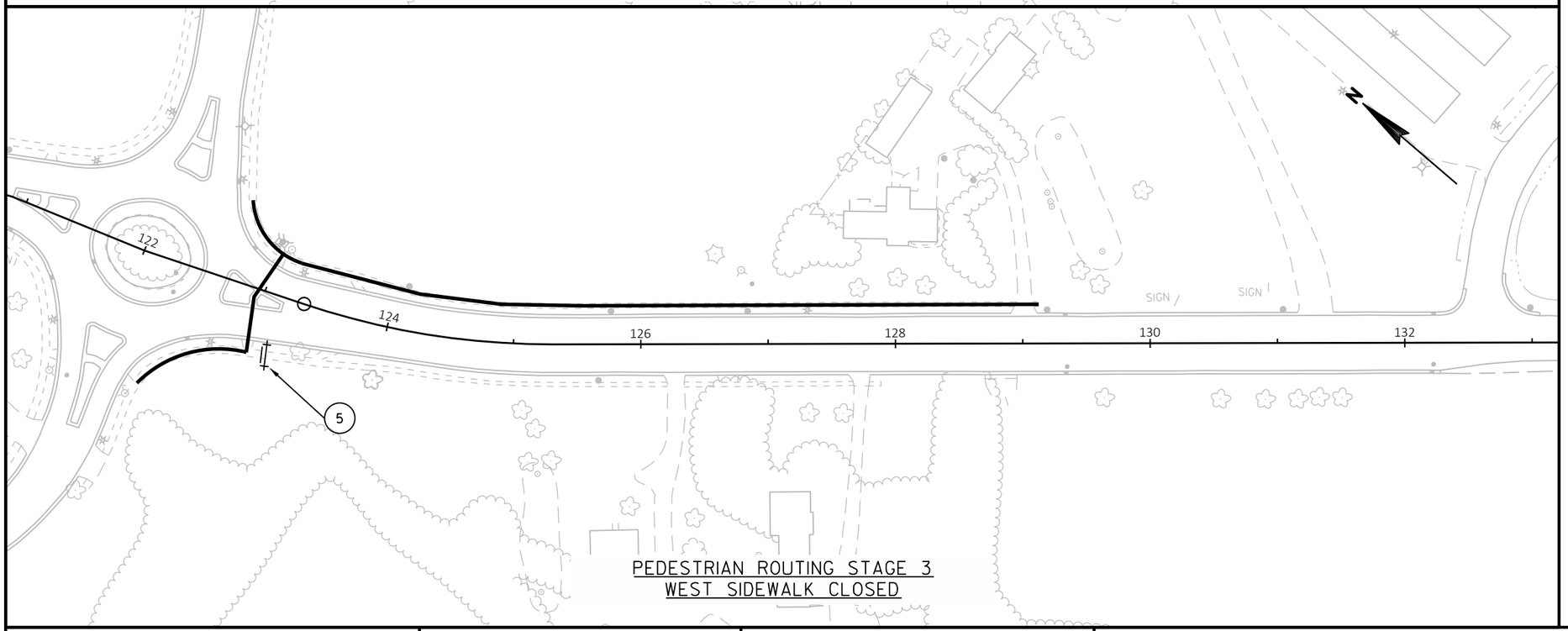
USE NEW PEDESTRIAN FACILITIES ALONG THE ROUTE. IF NEW FACILITIES ARE NOT AVAILABLE AT A SPOT LOCATION, PROVIDE TEMPORARY PEDESTRIAN SURFACE ASPHALT.

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	TRAFFIC CONTROL - PEDESTRIAN ROUTING - STAGE 2B	SHEET 120	E

FILE NAME : N:\PDS\C3D\CAD\31100201\025002_TC.DWG
LAYOUT NAME - 09
PLOT DATE : 3/15/2018 9:16 AM
PLOT BY : GUENETTE, JEFFREY J
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42



PEDESTRIAN ROUTING STAGE 3
EAST SIDEWALK CLOSED



PEDESTRIAN ROUTING STAGE 3
WEST SIDEWALK CLOSED

LEGEND

PEDESTRIAN ROUTE / SIDEWALK OPEN

TEMPORARY PEDESTRIAN SAFETY FENCE

1 * SIDEWALK CLOSED
R9-9
24"X12"

2 * SIDEWALK CLOSED AHEAD CROSS HERE
R9-11
24"X12"

3 * SIDEWALK CLOSED AHEAD CROSS HERE
R9-11
24"X12"

4 * SIDEWALK CLOSED CROSS HERE
R9-11A
24"X12"

5 * SIDEWALK CLOSED CROSS HERE
R9-11A
24"X12"

* INSTALL SIGNS ON TYPE III BARRICADE WITH ONE WARNING LIGHT TYPE A

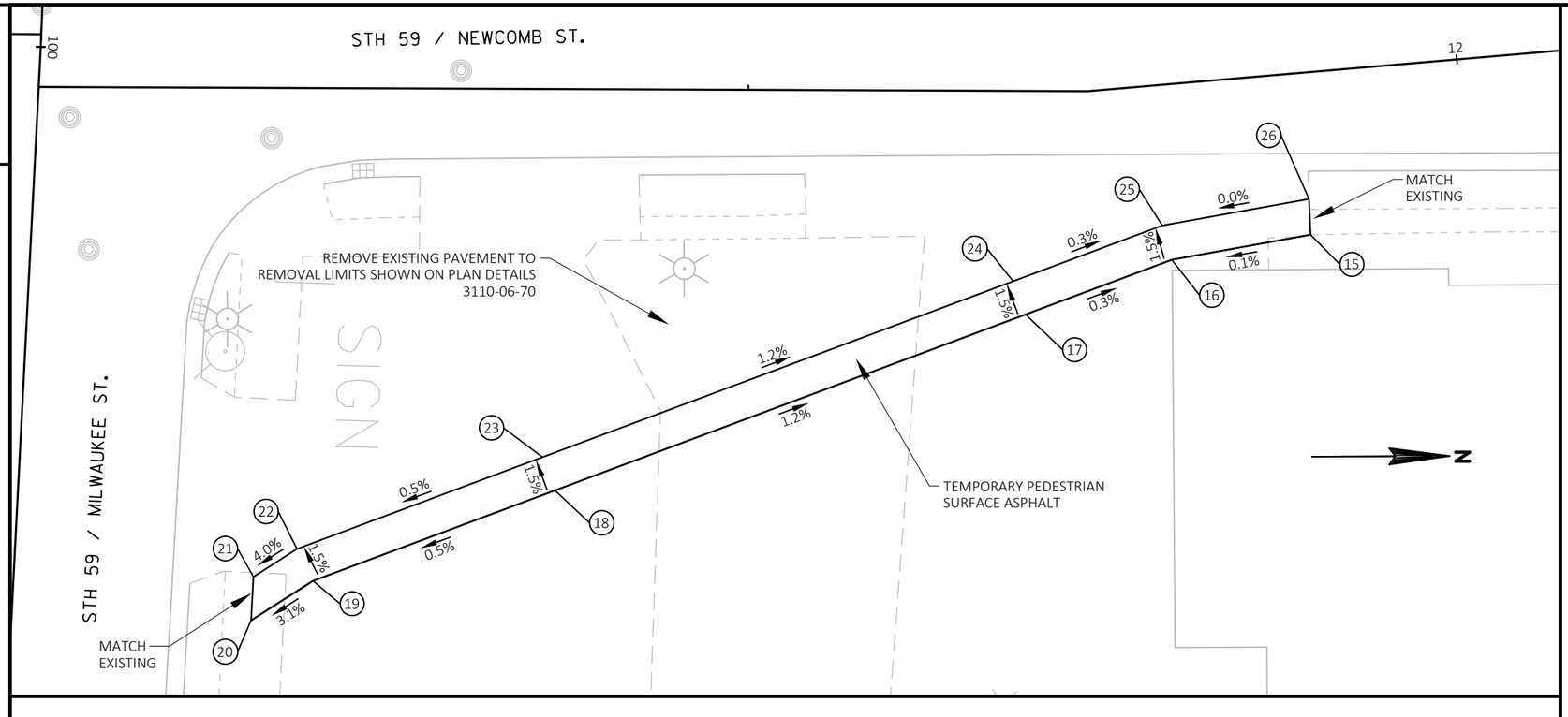
NOTES:

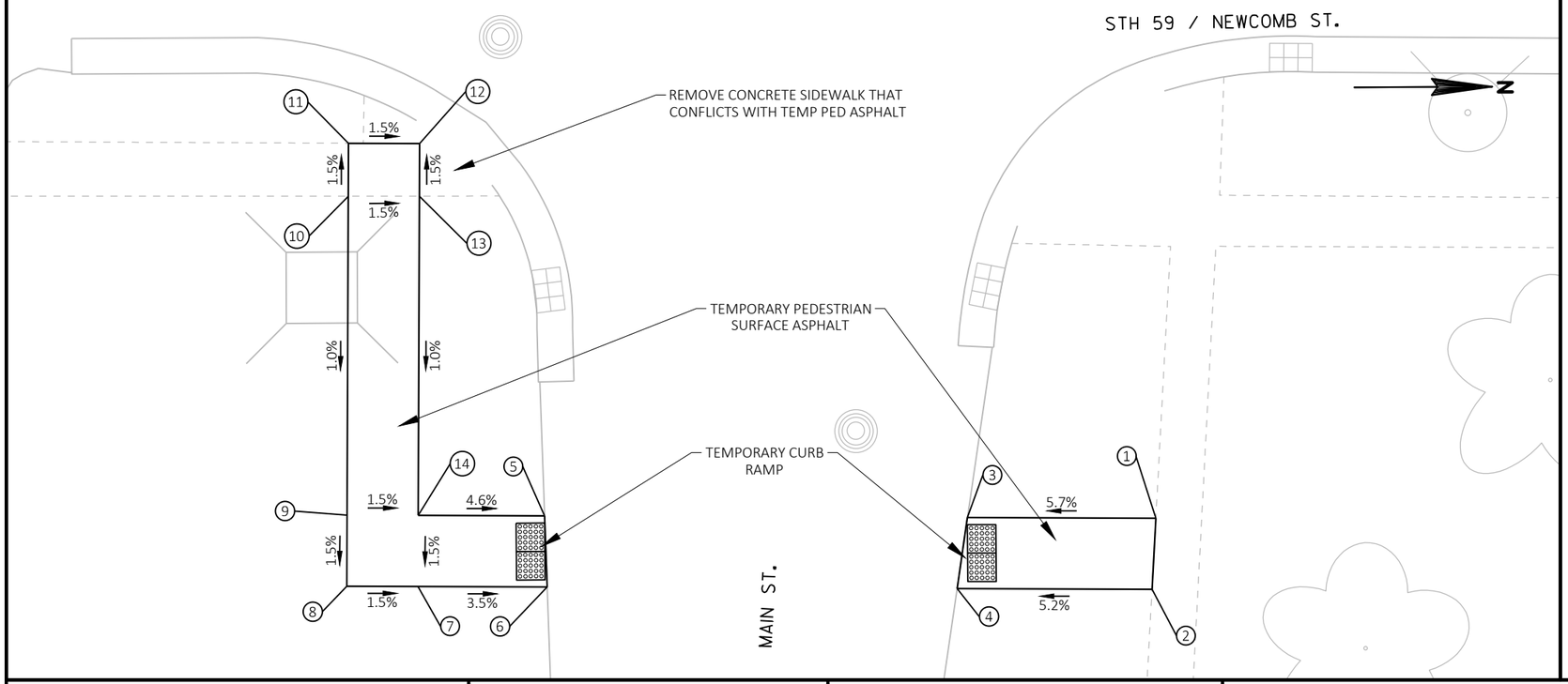
USE THE ROUTES SHOWN TO CONSTRUCT NEW SIDEWALK ALONG ELKHORN ROAD (SOUTH OF CLAY STREET)

COMPLETE NEW SIDEWALK CONSTRUCTION ON ONE SIDE OF ELKHORN ROAD (STA 123+50 TO 129+00) PRIOR TO CLOSING THE SIDEWALK ON THE OTHER SIDE OF ELKHORN ROAD.

IF PEDESTRIAN FACILITIES ARE NOT AVAILABLE AT A SPOT LOCATION, PROVIDE TEMPORARY PEDESTRIAN SURFACE ASPHALT.

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	TRAFFIC CONTROL - PEDESTRIAN ROUTING - STAGE 3	SHEET 121	E



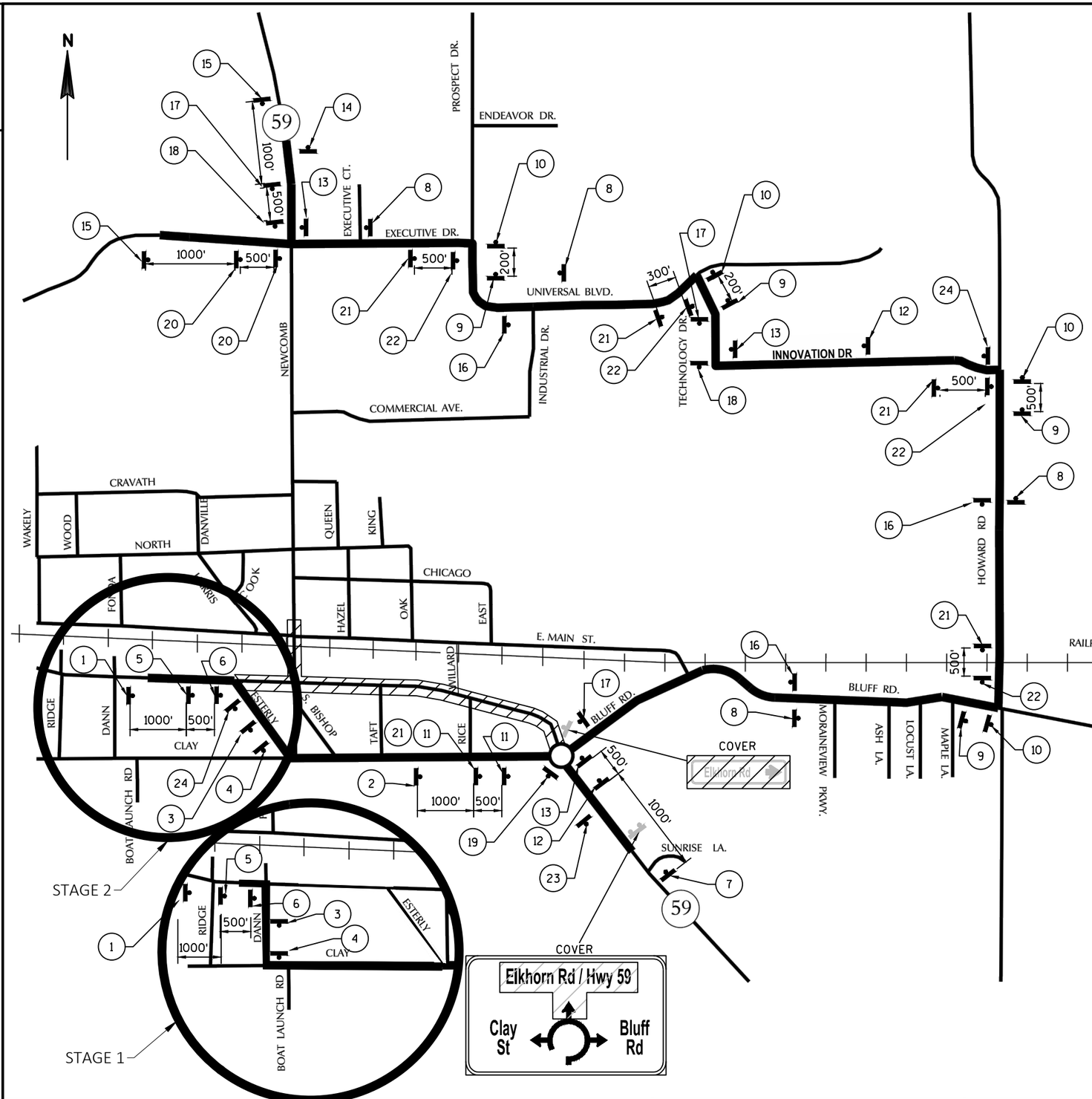


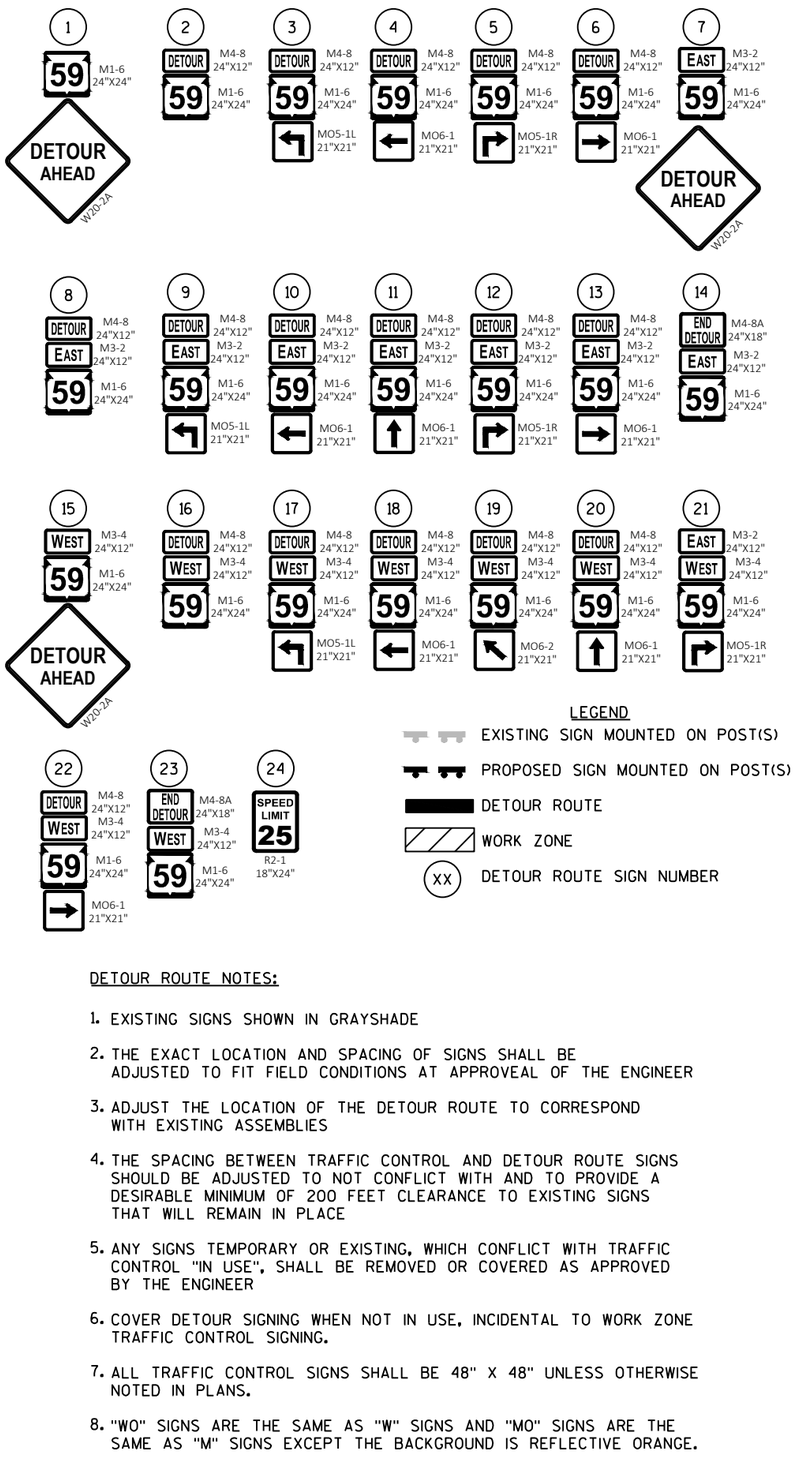
STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
1	13+70.84	50.00 RT	832.44
2	13+70.59	55.00 RT	832.46
3	13+57.60	50.00 RT	831.69
4	13+56.90	55.00 RT	831.75
5	13+27.89	50.00 RT	831.52
6	13+28.09	55.00 RT	831.54
7	13+19.00	55.00 RT	831.85
8	13+14.00	55.00 RT	831.93
9	13+14.00	50.00 RT	832.00
10	13+14.00	27.60 RT	832.23
11	13+14.00	23.86 RT	832.18
12	13+19.00	23.86 RT	832.10
13	13+19.00	27.55 RT	832.16
14	13+19.00	50.00 RT	831.93
15	11+77.34	22.86 RT	
16	11+57.55	24.70 RT	831.53
17	11+39.17	31.51 RT	831.59
18	10+72.96	56.58 RT	832.48
19	10+38.92	69.46 RT	832.29
20	10+30.24	75.06 RT	
21	10+30.53	68.92 RT	
22	10+36.66	64.97 RT	832.22
23	10+71.19	51.90 RT	832.40
24	11+37.40	26.83 RT	831.52
25	11+56.64	19.76 RT	831.45
26	11+77.56	17.82 RT	

NOTES:

-STATION AND OFFSET ARE TO THE NEWCOMB STREET R/L

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	TRAFFIC CONTROL - PEDESTRIAN ROUTING - STAGE 1A / 1B TEMP PED SURFACE DETAIL	SHEET 122	E





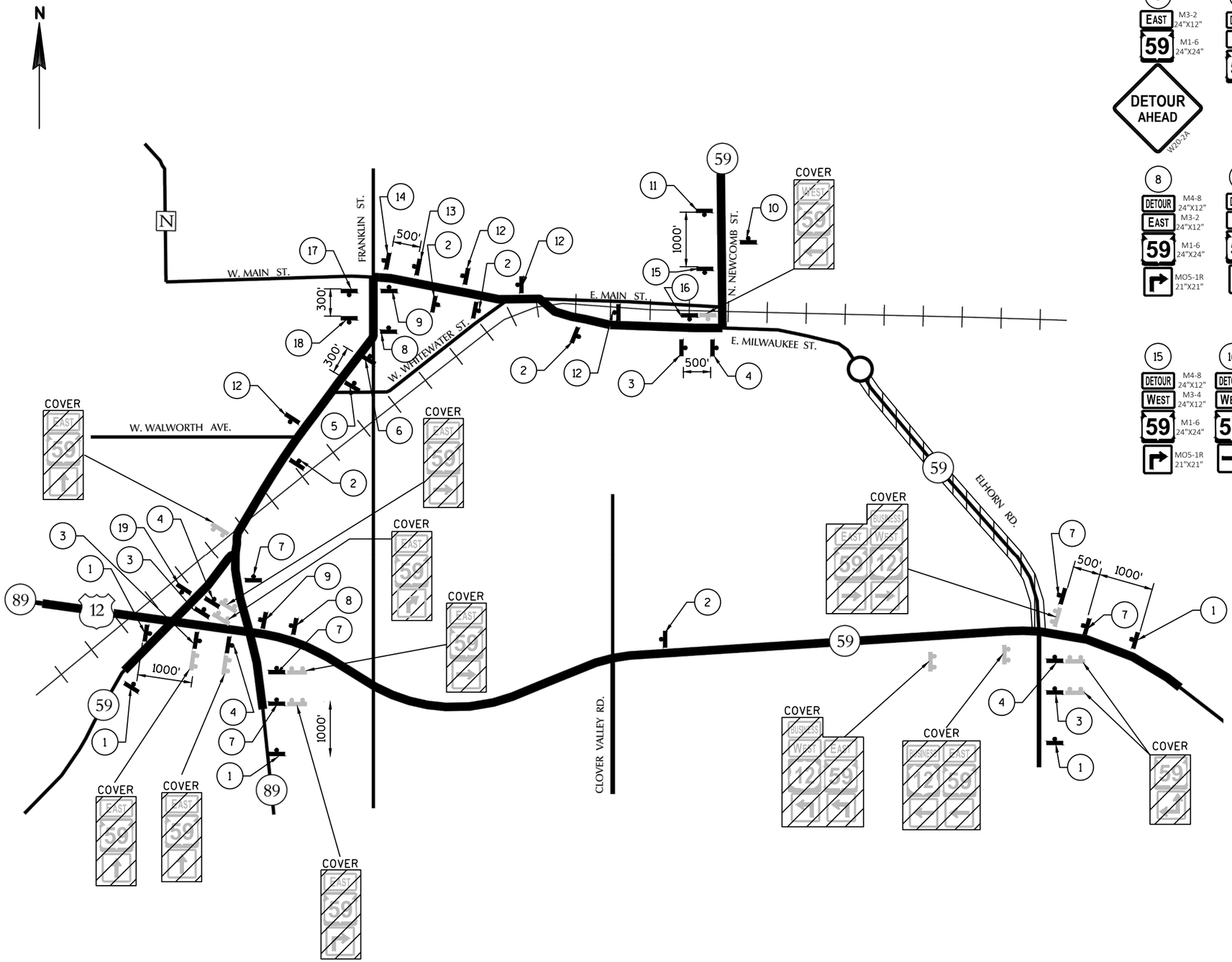
LEGEND

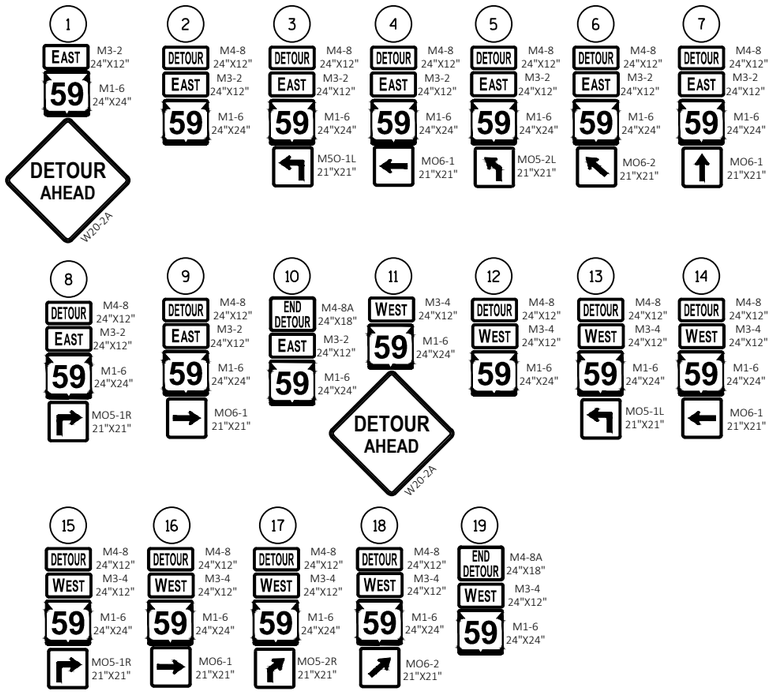
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- DETOUR ROUTE
- WORK ZONE
- (XX) DETOUR ROUTE SIGN NUMBER

DETOUR ROUTE NOTES:

1. EXISTING SIGNS SHOWN IN GRAYSHADE
2. THE EXACT LOCATION AND SPACING OF SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AT APPROVEAL OF THE ENGINEER
3. ADJUST THE LOCATION OF THE DETOUR ROUTE TO CORRESPOND WITH EXISTING ASSEMBLIES
4. THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR ROUTE SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE
5. ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS APPROVED BY THE ENGINEER
6. COVER DETOUR SIGNING WHEN NOT IN USE, INCIDENTAL TO WORK ZONE TRAFFIC CONTROL SIGNING.
7. ALL TRAFFIC CONTROL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED IN PLANS.
8. "WO" SIGNS ARE THE SAME AS "W" SIGNS AND "MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	DETOUR - STAGE 1 AND STAGE 2	SHEET 123	E





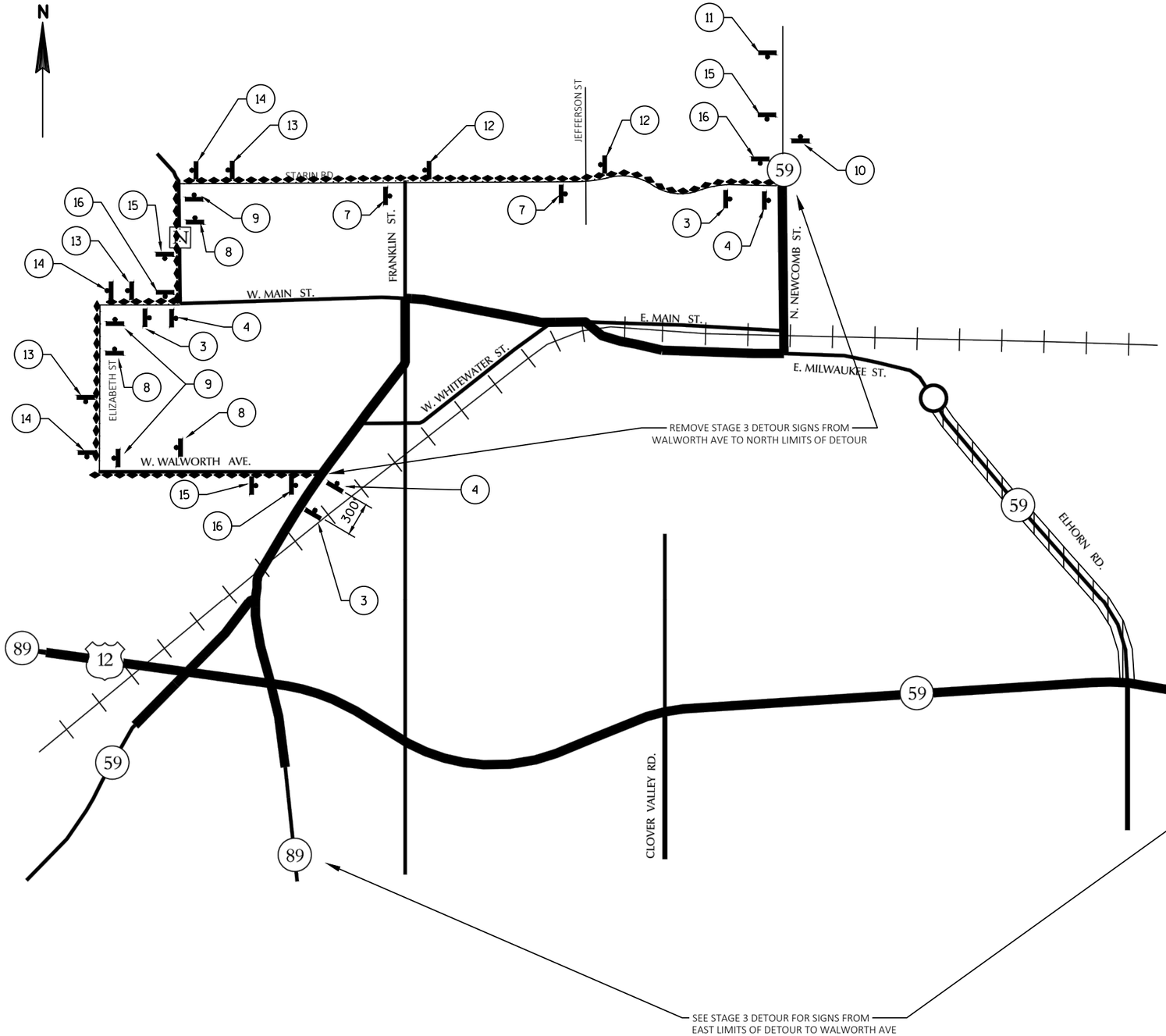
LEGEND

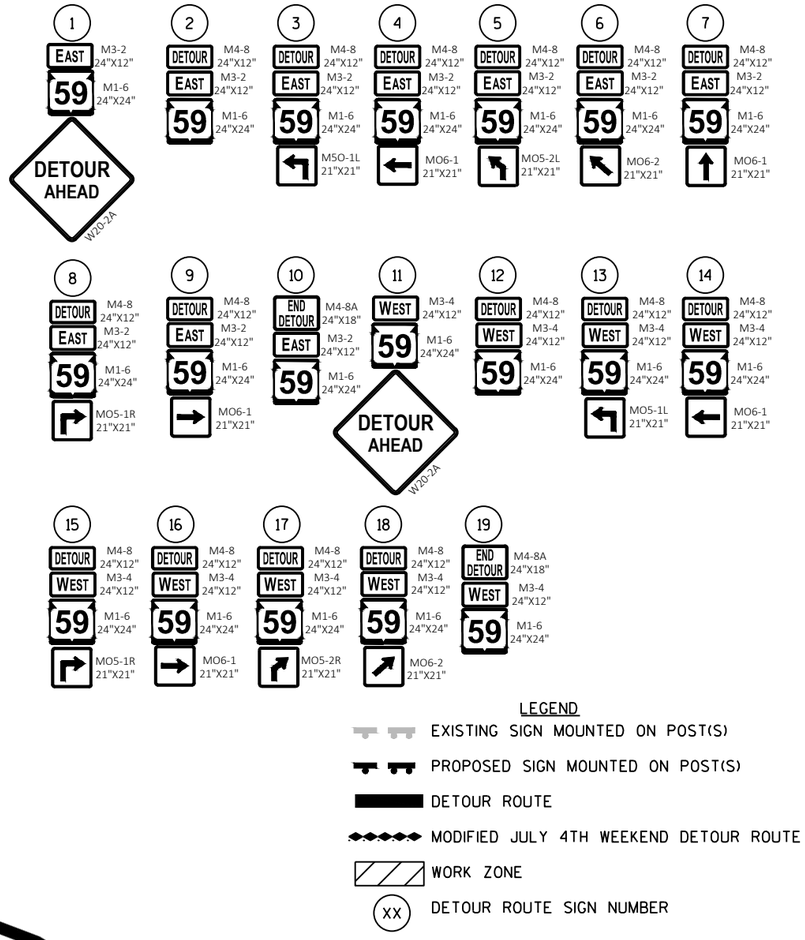
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- DETOUR ROUTE
- WORK ZONE
- (XX) DETOUR ROUTE SIGN NUMBER

DETOUR ROUTE NOTES:

1. EXISTING SIGNS SHOWN IN GRAYSHADE
2. THE EXACT LOCATION AND SPACING OF SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AT APPROVEAL OF THE ENGINEER
3. ADJUST THE LOCATION OF THE DETOUR ROUTE TO CORRESPOND WITH EXISTING ASSEMBLIES
4. THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR ROUTE SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE
5. ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS APPROVED BY THE ENGINEER
6. COVER DETOUR SIGNING WHEN NOT IN USE, INCIDENTAL TO WORK ZONE TRAFFIC CONTROL SIGNING.
7. ALL TRAFFIC CONTROL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED IN PLANS.
8. "WO" SIGNS ARE THE SAME AS "W" SIGNS AND "MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	DETOUR - STAGE 3	SHEET 124	E





LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- DETOUR ROUTE
- MODIFIED JULY 4TH WEEKEND DETOUR ROUTE
- WORK ZONE
- (XX) DETOUR ROUTE SIGN NUMBER

PLACE MODIFY STAGE 3 DETOUR FROM NOON FRIDAY, JULY 3RD TO 6 AM MONDAY, JULY 6TH

DETOUR ROUTE NOTES:

1. EXISTING SIGNS SHOWN IN GRAYSHADE
2. THE EXACT LOCATION AND SPACING OF SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AT APPROVEAL OF THE ENGINEER
3. ADJUST THE LOCATION OF THE DETOUR ROUTE TO CORRESPOND WITH EXISTING ASSEMBLIES
4. THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR ROUTE SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE
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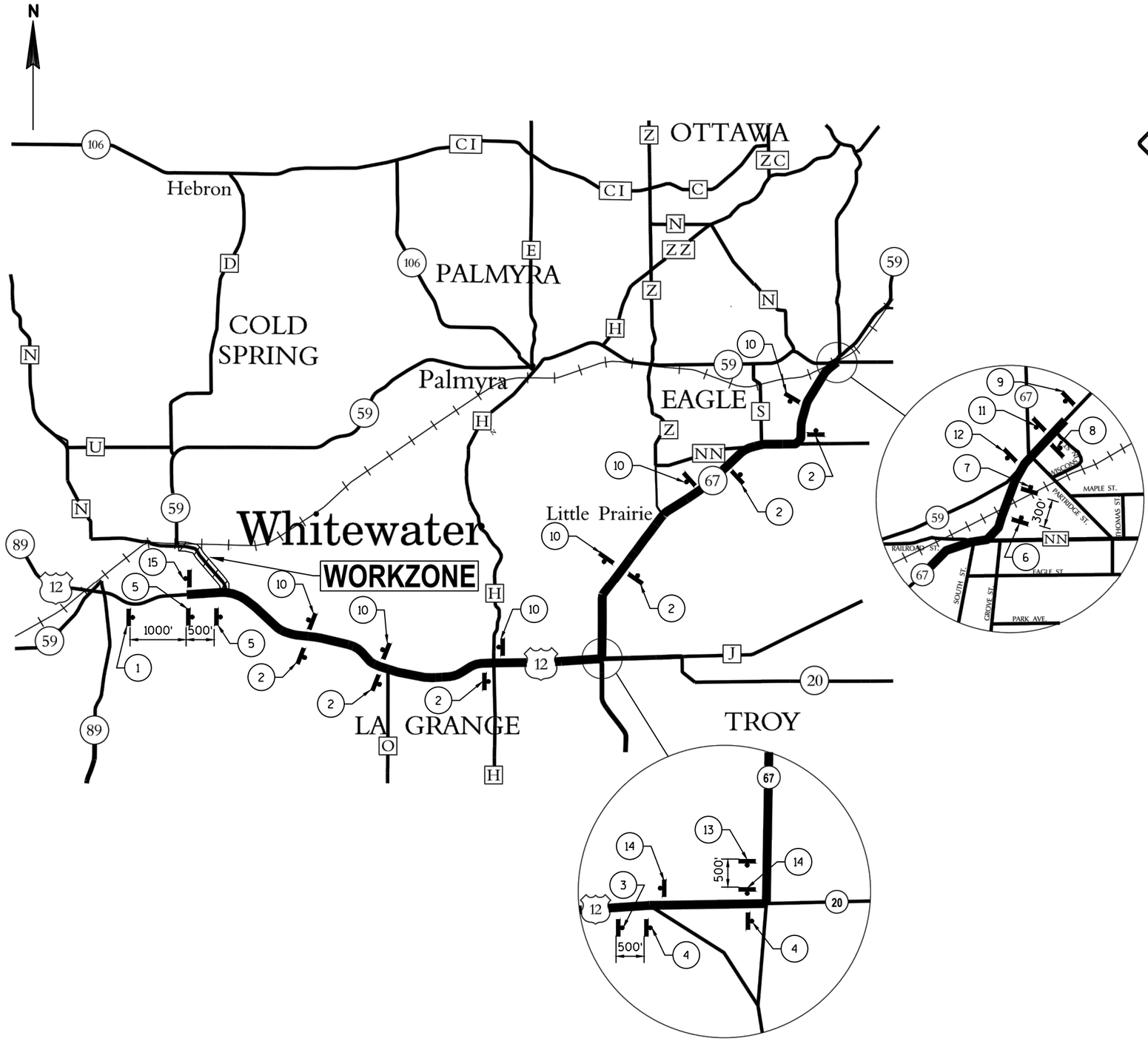
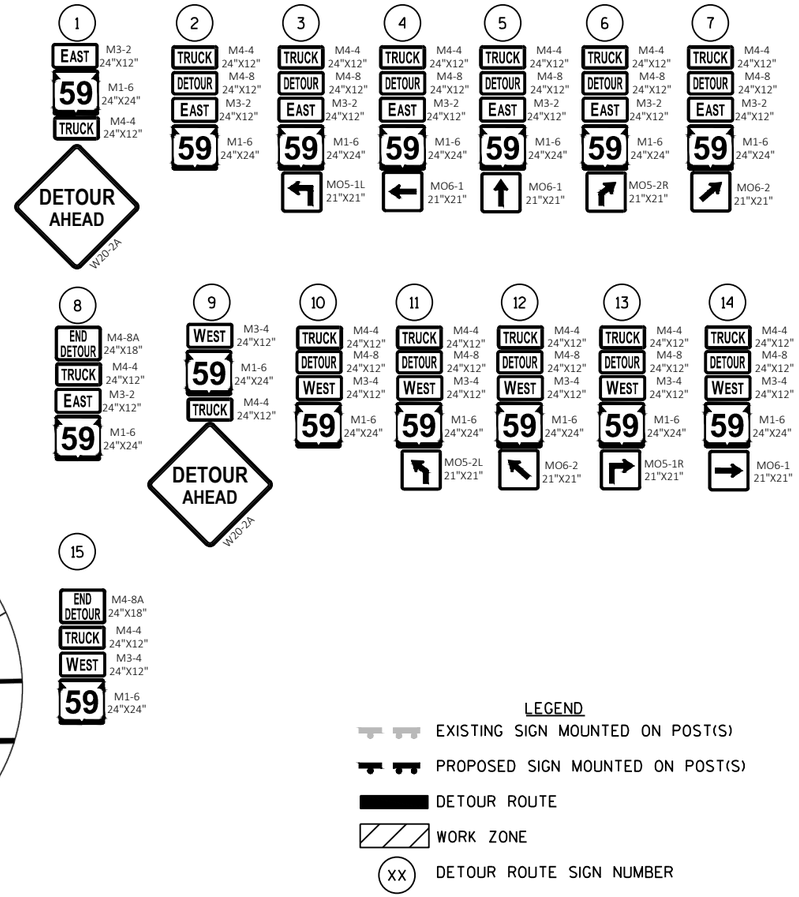
7. ALL TRAFFIC CONTROL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED IN PLANS.
8. "WO" SIGNS ARE THE SAME AS "W" SIGNS AND "MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.





LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- DETOUR ROUTE
- WORK ZONE
- (XX) DETOUR ROUTE SIGN NUMBER

DETOUR ROUTE NOTES:

1. EXISTING SIGNS SHOWN IN GRAYSHADE
2. THE EXACT LOCATION AND SPACING OF SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AT APPROVEAL OF THE ENGINEER
3. ADJUST THE LOCATION OF THE DETOUR ROUTE TO CORRESPOND WITH EXISTING ASSEMBLIES
4. THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR ROUTE SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE
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7. ALL TRAFFIC CONTROL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED IN PLANS.
8. "WO" SIGNS ARE THE SAME AS "W" SIGNS AND "MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.

2

SEC 415020
QUARTER SECTION CORNER
CUT LIMESTONE MON. W/ BRASS CAP
Y=424,942.8360
X=715,734.8240

BEGIN STH 59 R/L
Y=423,951.3330
X=715,724.6000
BP: 100+00.00

STH 59 RL
S86° 45' 42"E
857.24'

EP: 10+00.00

CP 706

BEGIN PROJECT
3110-02-71
STA. 102+75

STH 59 RL STA. 106+45.94 =
TAFT ST. STA. 10+00.00
Y=423,914.9032
X=716,369.5062

CP 705

105

87°28'32"

N0° 42' 51"E
TAFT ST.
300.00'

BP: 7+00.00
Y=423,614.9265
X=716,365.7671

CURVE 1
PI STA = 109+82.24
Y = 423895.905
X = 716705.272
DELTA = 11°57'37"
D = 4°48'05"
T = 125.00'
L = 249.10'
R = 1193.30'
PC STA = 108+57.24
Y = 423902.967
X = 716580.467
PT STA = 111+06.34
Y = 423863.133
X = 716825.904
BK = S86°45'41.6"E
AH = S74°48'04.2"E

EP: 23+00.00
Y=424,131.0168
X=716,938.6161

PC: 108+57.24

PI: 109+82.24

PT: 111+06.34

WILLARD ST.
300.00'
N1° 10' 04"W

73°47'0"

CURVE 1

STH 59 RL STA. 112+28.66=
WILLARD ST. STA. 20+00
Y=423,831.0642
X=716,943.9453

BP: 20+00.00

EP: 30+00.00

STH 59 RL STA. 113+20.06=
RICE ST. STA. 30+00
Y=423,807.1019
X=717,032.1483

S74° 48' 04"W
310.76'

75°39'40"

N0° 51' 36"E
RICE ST.
300.00'

BP: 27+00.00
Y=423,507.1357
X=717,027.6459

S74° 56' 34"E
383.59'

115

PI: 119+19.33

PC: 118+00.69

CURVE 2

CURVE 2
PI STA = 119+19.33
Y = 423651.187
X = 717610.789
DELTA = 50°46'35"
D = 22°55'06"
T = 118.65'
L = 221.55'
R = 250.00'
PC STA = 118+00.69
Y = 423682.009
X = 717496.217
PT STA = 120+22.24
Y = 423542.940
X = 717659.361
BK = S74°56'33.7"E
AH = S24°09'59.0"E

EP: 53+00.10
Y=423,732.1876
X=717,899.5407

PRIVATE DRIVE
N74° 19' 21"E
261.11'

CP 704

120

PT: 120+22.24

PI: 120+88.46
Y=423,482.5221
X=717,686.4711

PI: 122+00.20
Y=423,376.4709
X=717,721.6479

S21° 58' 34"E
131.92'

PC: 123+32.12

PT: 125+30.35

CURVE 3

125

PI: 124+32.11

S40° 36' 54"E
692.40'

N54° 39' 12"E

130

CURVE 3
PI STA = 124+32.11
Y = 423161.405
X = 717808.436
DELTA = 18°38'20"
D = 9°24'10"
T = 100.00'
L = 198.23'
R = 609.36'
PC STA = 123+32.12
Y = 423254.137
X = 717771.014
PT STA = 125+30.35
Y = 423085.496
X = 717873.532
BK = S21°58'33.7"E
AH = S40°36'53.7"E

SEC 415021
CENTER OF SECTION
CONC. MON. W/ BRASS CAP
Y=424,970.1500
X=718,360.8440

N

CURVE 2 DETAIL

EXISTING CURVE 2
PI STA = 119+19.33
Y = 423651.187
X = 717610.789
DELTA = 52°58'00"
D = 26°29'00"
T = 107.79'
L = 200.00'
R = 216.35'
PC STA = 118+11.55
Y = 423679.189
X = 717506.702
PT STA = 120+11.55
Y = 423551.231
X = 717651.125
BK = S74°56'33.7"E
AH = S21°58'33.7"E

S74° 56' 34"E
383.59'

PC: 118+00.69

PC: 118+11.55

CURVE 2

EXISTING CURVE 2

PT: 120+11.55

STH 59 EXISTING CL

PI: 119+19.33

CURVE 8

PRIVATE DRIVE
N74° 19' 21"E
261.11'

STH 59 RL STA. 119+23.17 22' LT =
PRIVATE DRIVE STA. 0+00 0' RT
Y=423,639.1065
X=717,617.2178

CP 704

PT: 120+22.24

S24° 09' 59"E
66.22'

PI: 120+88.46
Y=423,482.5221
X=717,686.4711

STH 59 RL

S21° 58' 34"E

S18° 21' 02"E

PI: 122+00.20
STA. 122+00.00

STH 59 RL =
STH 59 EXISTING CL

CURVE 8
PI STA=50+25.73
Y=423657.887
X=717634.809
DELTA=31°11'41"
D=114°35'30"
T=13.96'
L=27.22'
R=50.00'
PC STA=50+11.77
Y=423647.700
X=717625.267
PT STA. 50+39.00
Y=423661.658
X=717648.247
BK=N43°07'40.2"E
AH=N74°19'20.7"E

SUPER ELEVATION TABLE - STH 59

STATION	TYPE	LEFT	RIGHT
117+15.02	END NC	-2.00%	-2.00%
117+52.02	ZERO SUPER	0.00%	-2.00%
117+88.52	REV CROWN	2.00%	-2.00%
118+25.02	BEGIN FS	4.00%	-4.00%
119+58.75	END FS	4.00%	-4.00%
119+95.25	--	2.00%	-4.00%
119+97.91	--	1.85%	-4.00%
120+16.16	--	0.85%	-3.00%
120+31.75	--	0.00%	-3.00%
120+50.00	BEGIN NC	-1.00%	-3.00%

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	ALIGNMENT LAYOUT	SHEET 127	E

2

2

SEC 415035
SECTION CORNER
CONC. MON. W/ BRASS CAP
Y=422,351.4550
X=720,941.9300

CURVE 6
PI STA = 1+24.02
Y = 422604.761
X = 718448.474
DELTA = 35°23'30"
D = 32°41'58"
T = 55.91'
L = 108.23'
R = 175.22'
PC STA = 0+68.11
Y = 422572.418
X = 718402.873
PT STA = 1+76.35
Y = 422604.717
X = 718504.380
BK = N54°39'11.8"E
AH = S89°57'17.9"E

EP: 4+24.03
Y=422,604.5220
X=718,352.0620

PT: 1+76.35

SUNRISE LN
S89° 57' 18"E
247.68'

PI: 1+24.02

CURVE 6

PC: 0+68.11

N54° 39' 12"E

130

CP 703

84°44'35"

135

S40° 36' 13"E
1019.25'

PI: 132+22.74
Y=422,559.8958
X=718,324.2629

BP: 0+00.00
STH 59 RL STA. 132+58.16=
SUNRISE LANE STA. 0+00
Y=422,533.0131
X=718,347.3163

SEC 415034
QUARTER SECTION CORNER
CUT LIMESTONE MON. W/ BRASS CAP
Y=422,333.1790
X=718,320.8220

140

PI: 142+41.99
Y=421,786.0545
X=718,987.6121

145

STH 59 RL

CP 702

S40° 36' 33"E
1220.86'

BP: 0+00.00
Y=421,153.1083
X=719,530.5497

150

STH 59 RL STA. 150+75.90=
OLD COUNTY P STA. 0+00.20
Y=421,152.9774
X=719,530.3974

S49° 18' 27"W

90°5'0"

PC: 0+24.11

CURVE 7

OLD COUNTY P
S18° 44' 56"E
265.19'

PI: 0+64.89

PI: 0+95.84

EP: 3+61.03
Y=420,821.0714
X=719,579.6963

CURVE 7
PI STA = 0+64.89
Y = 421110.803
X = 719481.352
DELTA = 68°03'23"
D = 94°52'09"
T = 40.78'
L = 71.74'
R = 60.39'
PC STA = 0+24.11
Y = 421137.391
X = 719512.272
PT STA = 0+95.84
Y = 421072.187
X = 719494.460
BK = S49°18'27.4"W
AH = S18°44'56.0"E

155

PI: 154+62.85
Y=420,859.2173
X=719,782.2612

CP 701

S40° 35' 33"E
511.34'

160

PC: 159+74.18

BP: 16

SEC 415047
CENTER OF SECTION
CONC. MON. W/ BRASS CAP
Y=419,683.2320
X=718,259.1140

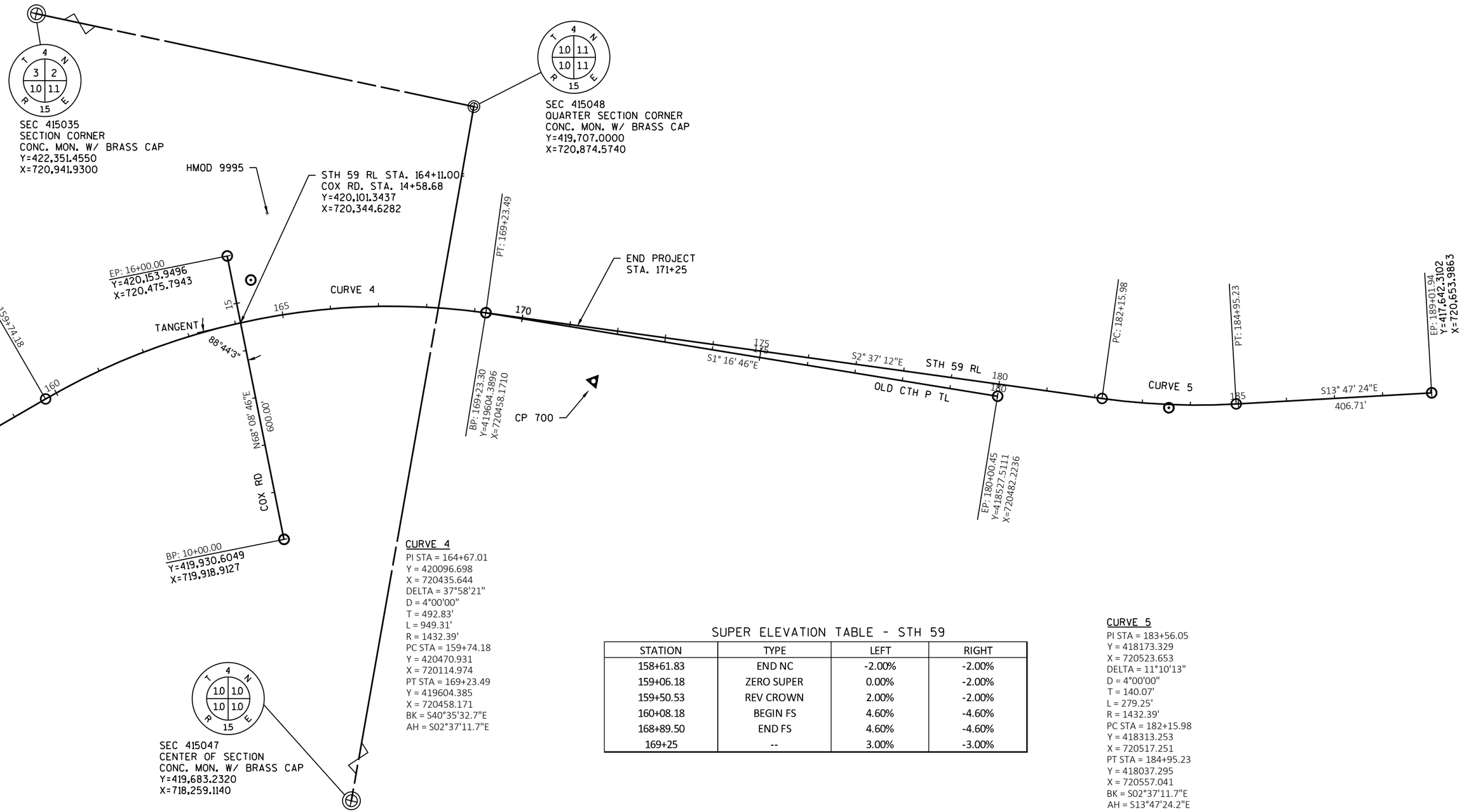
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	ALIGNMENT LAYOUT	SHEET 128	E

FILE NAME : N:\PDS\C3D\CAD\31100201\027201_AD.DWG
LAYOUT NAME - 027202_ad

PLOT DATE : 10/11/2017 1:39 PM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2



CURVE 4
PI STA = 164+67.01
Y = 420096.698
X = 720435.644
DELTA = 37°58'21"
D = 4°00'00"
T = 492.83'
L = 949.31'
R = 1432.39'
PC STA = 159+74.18
Y = 420470.931
X = 720114.974
PT STA = 169+23.49
Y = 419604.385
X = 720458.171
BK = S40°35'32.7"E
AH = S02°37'11.7"E

SUPER ELEVATION TABLE - STH 59

STATION	TYPE	LEFT	RIGHT
158+61.83	END NC	-2.00%	-2.00%
159+06.18	ZERO SUPER	0.00%	-2.00%
159+50.53	REV CROWN	2.00%	-2.00%
160+08.18	BEGIN FS	4.60%	-4.60%
168+89.50	END FS	4.60%	-4.60%
169+25	--	3.00%	-3.00%

CURVE 5
PI STA = 183+56.05
Y = 418173.329
X = 720523.653
DELTA = 11°10'13"
D = 4°00'00"
T = 140.07'
L = 279.25'
R = 1432.39'
PC STA = 182+15.98
Y = 418313.253
X = 720517.251
PT STA = 184+95.23
Y = 418037.295
X = 720557.041
BK = S02°37'11.7"E
AH = S13°47'24.2"E

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	ALIGNMENT LAYOUT	SHEET 129	E

2

NEWCOMB ST.

STH 59

102

SIGN

SIGN

CP 706
BERNTSEN FENO MON. W/ PK NAIL
SE QUADRANT OF STH 59 AND
S. NEWCOMB STREET
STA 100+42.98, 41.04' RT
N 423907.9860
E 715765.1970
ELEV. 832.2540

S NEWCONB ST

S BISHOP

CP 705
BERNTSEN FENO MON. W/ PK NAIL
N. SIDE OF STH 59 INTERSECTION WITH
TAFT STREET, 45' EAST OF
EXISTING CURB RAMP,
NORTH OF EXISTING SIDEWALK
STA 106+76.53, 34.68'LT
N 423947.7960
E 716402.0070
ELEV. 836.1190

106

108

STH 59

110

SIGN

TAFT ST.

8

CP 704
BERNTSEN FENO MON. W/ PK NAIL
SE CORNER STH 59 AND OLD BLUFF ROAD
STA 119+60.99, 61.47' LT
N 423633.2260
E 717676.0230
ELEV. 832.4470

118

52

PRIVATE DR.
(OLD BLUFF RD.)

SIGN

120

STH 59

BLUFF RD.

SIGN

2

CP 703
BERNTSEN FENO MON. W/ PK NAIL
NE CORNER STH 59 AND SUNRISE LANE
STA 131+88.48, 35.72' LT
N 422609.1510
E 718329.0730
ELEV. 834.3180

SIGN

SIGN

130

132

134

2

SUNRISE LANE

SIGN

142

144

CP 702
BERNTSEN FENO MON. W/ PK NAIL
NW CORNER OF STH 59 AND
DRIVEWAY TO DAYCARE
STA 144+67.34, 30.09' RT
N 421595.3870
E 719111.4470
ELEV. 846.8990

STH 59

146

148

SLAB

SIGN

SIGN

156

158

CP 701
BERNTSEN FENO MON. W/ PK NAIL
E SIDE OF STH 59, +/- 600' N
OF COX ROAD
STA 158+39.20, 35.19' LT
N 420596.3290
E 720053.8710
ELEV. 852.3040

STH 59

160

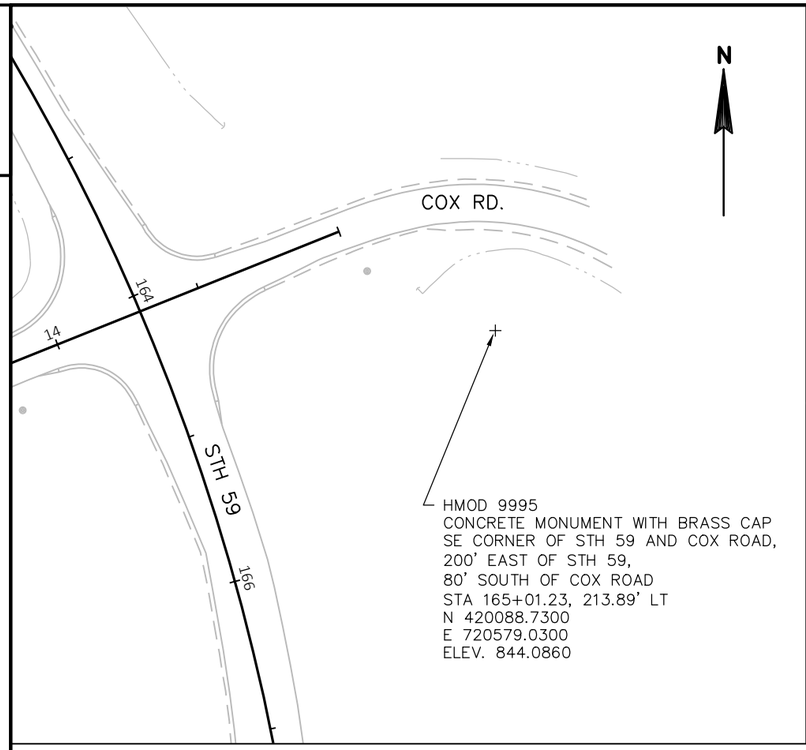
SIGN

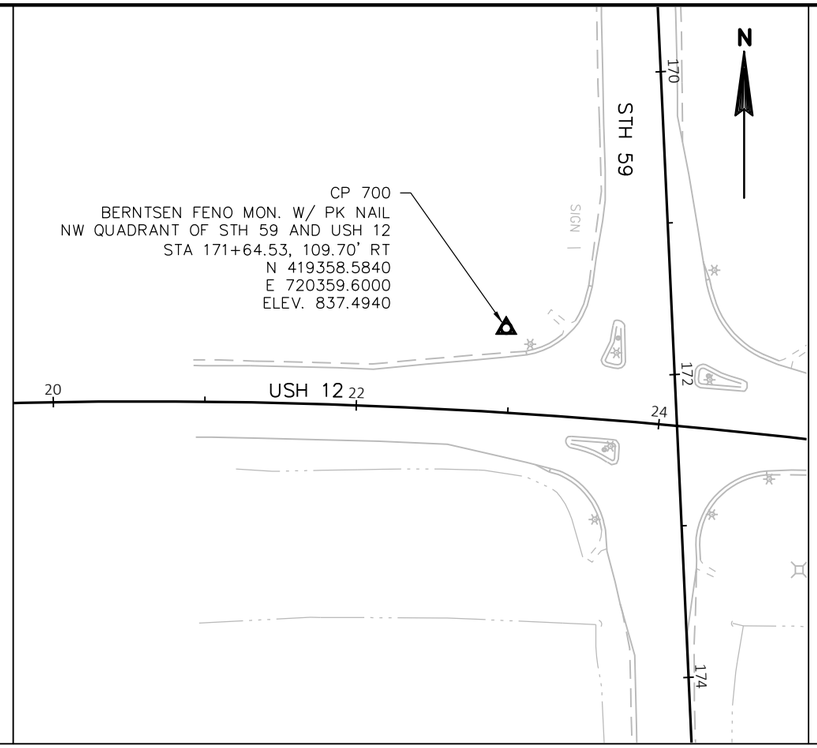
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	ALIGNMENT LAYOUT - SURVEY CONTROL	SHEET 130 E

FILE NAME : N:\PDS\C3D\CAD\31100201\027204_AD.DWG
LAYOUT NAME - 027204_ad

PLOT DATE : 8/31/2017 9:33 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42





2

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	ALIGNMENT LAYOUT - SURVEY CONTROL	SHEET 131	E

FILE NAME : N:\PDS\C3D\CAD\31100201\027204_AD.DWG
LAYOUT NAME - 027205_ad
PLOT DATE : 8/31/2017 9:34 AM
PLOT BY : GUENETTE, JEFFREY J
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

WI Dept. of Transportation
3502 Kinsman Blvd.
Madison, WI 53704

WISDOT PROJECT ID: 3110-02-01
WISDOT STRUCTURE ID:

BORING ID: 1
PAGE NO: 1 of 1

WISDOT PROJECT NAME: STH 59 (Newcomb to Cox)	CONSULTANT:	CONSULTANT PROJECT NO:	LATITUDE: 42.832557522 / LONGITUDE: -88.71660145
ROADWAY NAME:	DRILLING CONTRACTOR: PSI	DRILLING CONTRACTOR PROJECT NO:	NORTHING: 306085.637 / EASTING: 2344286.422
DATE STARTED: 7/29/13	CREW CHIEF: Dan Z	DRILL RIG:	COORDINATE SYSTEM:
DATE COMPLETED: 7/29/13	LOGGED BY: PSI	HOLE SIZE: 4 in	HORIZONTAL DATUM: WGS 1984 / VERTICAL DATUM: MSL
COUNTY: Walworth	LOG QC BY: A. Zimmer	HAMMER TYPE:	STREAMBED ELEVATION: NA
STATION: 103+50 / OFFSET: 10L	TOWNSHIP: T4N / RANGE: R15E / SECTION: / 1/4 SECTION: / 1/4 1/4 SECTION:		SURFACE ELEVATION:

SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil Description/ Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
				0.7		8" CONCRETE							
				1.1		5" BASE COURSE	GW-GM						
SS 1	21	M	15-3-5-3 (8)			SILTY FINE SAND, brown/dark brown, moist, little clay, trace medium to coarse sand & gravel, fill	SM						
SS 2	21	M	5-2-2-4 (4)	3.0		SILTY CLAY, brown, fine grained, moist, some sand, trace medium to coarse sand	CL	0.5					
SS 3	24	M	4-4-3-3 (7)	5.0		FINE SAND, dark Brown, medium to coarse grained, moist, trace sand & silt	SP						
SS 4	18	M	4-4-3-4 (7)	7.0		SILTY CLAY, brown/orange brown & gray mottled, fine to coarse grained, moist, trace sand & gravel	CL	3.0					
SS 5	24	W	4-9-6-8 (15)	9.0		SILTY CLAY, brown, fine grained, wet, some sand, little medium to coarse sand, trace fine to coarse gravel	CL	0.75					
SS 6	6	M	12-15-14-25 (29)	12.5		FINE TO COARSE SAND & GRAVEL, brown, moist, trace to little silt, with clay lenses	GW-GM						
SS 7	3	M		14.0		End of Boring at 14.0 ft.							

WATER LEVEL & CAVE-IN OBSERVATION DATA

WATER ENCOUNTERED DURING DRILLING: NMR	CAVE - IN DEPTH AT COMPLETION: NMR	WET ☐ DRY ☐		
WATER LEVEL AT COMPLETION: NMR	CAVE - IN DEPTH AFTER 0 HOURS: NMR	WET ☐ DRY ☐		

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

J:\COUNTIES\WALWORTH\STH 59\3110-02-01 - STH 59 - COX TO NEWCOMB\GINT\3110-02-01.GPJ STH 59 (Newcomb to Cox) 2/27/14

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WISDOT PROJECT ID: 3110-02-01
WISDOT STRUCTURE ID:

BORING ID: 2
PAGE NO: 1 of 1

WISDOT PROJECT NAME: STH 59 (Newcomb to Cox)	CONSULTANT:	CONSULTANT PROJECT NO:	LATITUDE: 42.832401739 / LONGITUDE: -88.71494833
ROADWAY NAME:	DRILLING CONTRACTOR: PSI	DRILLING CONTRACTOR PROJECT NO:	NORTHING: 306035.688 / EASTING: 2344730.683
DATE STARTED: 7/29/13	CREW CHIEF: Dan Z	DRILL RIG:	COORDINATE SYSTEM:
DATE COMPLETED: 7/29/13	LOGGED BY: PSI	HOLE SIZE: 4 in	HORIZONTAL DATUM: WGS 1984 / VERTICAL DATUM: MSL
COUNTY: Walworth	LOG QC BY: A. Zimmer	HAMMER TYPE:	STREAMBED ELEVATION: NA
STATION: 108+00 / OFFSET: 5R	TOWNSHIP: T4N / RANGE: R15E / SECTION: / 1/4 SECTION: / 1/4 1/4 SECTION:		SURFACE ELEVATION:

SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil Description/ Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
				0.6		7.5" CONCRETE							
				1.4		9.5" BASE COURSE	GW-GM						
SS 1	18	M	12-5-4-4 (9)			SILTY CLAY, brown & gray, fine to coarse grained, moist, trace sand & gravel, fill	CL	4.25	37	22			
SS 2	18	M	5-15-7-14 (22)	3.0		FINE SANDY SILT, brown, medium to coarse grained, moist, trace sand & gravel, trace to little clay, with fine to coarse sand lenses		1.75					
SS 3	18	W	3-3-4-5 (7)										
SS 4	12	W	4-2-3-2 (5)				SM						
SS 5	24	W	2-1-1-2 (2)										
SS 6	12	W	4-11-4-11 (15)	13.0		SILT, brown, fine to coarse grained, moist, with sand & gravel	SM	1.5					
SS 7	12	W	8-10	15.0		End of Boring at 15.0 ft.							

WATER LEVEL & CAVE-IN OBSERVATION DATA

WATER ENCOUNTERED DURING DRILLING: NMR	CAVE - IN DEPTH AT COMPLETION: NMR	WET ☐ DRY ☐		
WATER LEVEL AT COMPLETION: NMR	CAVE - IN DEPTH AFTER 0 HOURS: NMR	WET ☐ DRY ☐		

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

J:\COUNTIES\WALWORTH\STH 59\3110-02-01 - STH 59 - COX TO NEWCOMB\GINT\3110-02-01.GPJ STH 59 (Newcomb to Cox) 2/27/14

2

SOIL BORINGS (FOR INFORMATION ONLY)

THE SOIL BORING INFORMATION SHOWN ON THESE SHEETS IS FOR INFORMATION ONLY. A COPY OF THE COMPLETE GEOTECHNICAL REPORT CAN BE OBTAINED FROM WISDOT PROJECT MANAGER.

WI Dept. of Transportation
3502 Kinsman Blvd.
Madison, WI 53704

WISDOT PROJECT ID: 3110-02-01
WISDOT STRUCTURE ID:

BORING ID: 3
PAGE NO: 1 of 1

WISDOT PROJECT NAME: STH 59 (Newcomb to Cox)	CONSULTANT:	CONSULTANT PROJECT NO:	LATITUDE: 42.832260592 / LONGITUDE: -88.71325172
ROADWAY NAME:	DRILLING CONTRACTOR: PSI	DRILLING CONTRACTOR PROJECT NO:	NORTHING: 305991.261 / EASTING: 2345186.53
DATE STARTED: 7/29/13	CREW CHIEF: Dan Z	DRILL RIG:	COORDINATE SYSTEM:
DATE COMPLETED: 7/29/13	LOGGED BY: PSI	HOLE SIZE: 4 in	HORIZONTAL DATUM: WGS 1984 / VERTICAL DATUM: MSL
COUNTY: Walworth	LOG QC BY: A. Zimmer	HAMMER TYPE:	STREAMBED ELEVATION: NA
STATION: 112+50 / OFFSET: 5L	TOWNSHIP: T4N / RANGE: R15E / SECTION: / 1/4 SECTION: / 1/4 1/4 SECTION:		SURFACE ELEVATION:

SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil Description/ Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
				0.6		7" CONCRETE							
				0.9		4" BASE COURSE	GW-GM						
SS 1	6	D 4		3.0		SILTY FINE TO COARSE SAND & GRAVEL, gray, damp, fill	GM						Fines = 17%
SS 2	6	M 9		5.0		SILTY FINE TO COARSE SAND & GRAVEL, brown, moist, possible fill	GM						
SS 3	1	M 3				End of Boring at 5.0 ft.							

WATER LEVEL & CAVE-IN OBSERVATION DATA

▽	WATER ENCOUNTERED DURING DRILLING: NMR	CAVE - IN DEPTH AT COMPLETION: NMR		WET ☐ DRY ☐
▼	WATER LEVEL AT COMPLETION: NMR	CAVE - IN DEPTH AFTER 0 HOURS: NMR		WET ☐ DRY ☐

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

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WISDOT PROJECT ID: 3110-02-01
WISDOT STRUCTURE ID:

BORING ID: 4
PAGE NO: 1 of 1

WISDOT PROJECT NAME: STH 59 (Newcomb to Cox)	CONSULTANT:	CONSULTANT PROJECT NO:	LATITUDE: 42.831857113 / LONGITUDE: -88.71167659
ROADWAY NAME:	DRILLING CONTRACTOR: PSI	DRILLING CONTRACTOR PROJECT NO:	NORTHING: 305850.742 / EASTING: 2345611.273
DATE STARTED: 7/29/13	CREW CHIEF: Dan Z	DRILL RIG:	COORDINATE SYSTEM:
DATE COMPLETED: 7/29/13	LOGGED BY: PSI	HOLE SIZE: 4 in	HORIZONTAL DATUM: WGS 1984 / VERTICAL DATUM: MSL
COUNTY: Walworth	LOG QC BY: A. Zimmer	HAMMER TYPE:	STREAMBED ELEVATION: NA
STATION: 117+00 / OFFSET: 15R	TOWNSHIP: T4N / RANGE: R15E / SECTION: / 1/4 SECTION: / 1/4 1/4 SECTION:		SURFACE ELEVATION:

SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil Description/ Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
				0.7		8" CONCRETE							
				1.3		7" BASE COURSE	GW-GM						
SS 1	3	M 7	9-2-4-3/0"	3.0		SILTY FINE TO COARSE SAND & GRAVEL, brown/dark brown, moist, with clay lenses, fill	GM						
SS 2	18	M 18	2-3-1-5 (4)	5.0		FINE SAND, brown/dark brown & gray, moist, little to some silt, trace medium to coarse sand & gravel, with clay lenses, fill	SM						
SS 3	18	M 12	9	7.5		SILTY FINE TO COARSE SAND, brown, wet, little clay, trace fine to coarse gravel	SM						
SS 4	4	W 13				SILTY FINE TO COARSE SAND & GRAVEL, gray, wet	GM						
SS 5	1	W 16		9.5		End of Boring at 9.5 ft.							

WATER LEVEL & CAVE-IN OBSERVATION DATA

▽	WATER ENCOUNTERED DURING DRILLING: NMR	CAVE - IN DEPTH AT COMPLETION: NMR		WET ☐ DRY ☐
▼	WATER LEVEL AT COMPLETION: NMR	CAVE - IN DEPTH AFTER 0 HOURS: NMR		WET ☐ DRY ☐

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

J:\COUNTIES\WALWORTH\STH 59\3110-02-01 - STH 59 - COX TO NEWCOMB\GINT\3110-02-01.GPJ STH 59 (Newcomb to Cox) 2/27/14

SOIL BORINGS (FOR INFORMATION ONLY)

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WISDOT PROJECT ID: 3110-02-01
WISDOT STRUCTURE ID:

BORING ID: 5
PAGE NO: 1 of 1

WISDOT PROJECT NAME: STH 59 (Newcomb to Cox)	CONSULTANT:	CONSULTANT PROJECT NO:	LATITUDE: 42.831648421 / LONGITUDE: -88.71075817
ROADWAY NAME:	DRILLING CONTRACTOR: PSI	DRILLING CONTRACTOR PROJECT NO:	NORTHING: 305778.493 / EASTING: 2345858.782
DATE STARTED: 8/06/13	CREW CHIEF: Dan Z	DRILL RIG:	COORDINATE SYSTEM:
DATE COMPLETED: 8/06/13	LOGGED BY: PSI	HOLE SIZE: 4 in	HORIZONTAL DATUM: WGS 1984 / VERTICAL DATUM: MSL
COUNTY: Walworth	LOG QC BY: A. Zimmer	HAMMER TYPE:	STREAMBED ELEVATION: NA
STATION: 119+50 / OFFSET: 10L	TOWNSHIP: T4N / RANGE: R15E / SECTION: / 1/4 SECTION: / 1/4 1/4 SECTION:		SURFACE ELEVATION:

SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil Description/ Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
				0.7		8" CONCRETE							
				1.2		6" BASE COURSE	GW-GM						
SS 1	9	M 7	16-6-8-21 (14)			SILTY FINE SAND, orange/brown, fine to coarse grained, moist to very moist, trace gravel, with clay lenses	SM						Fines = 15%
SS 2	24	M 22	7-9-10-9 (19)	5.0									
SS 3	11	M 22	9	6.0		SILTY SAND, reddish brown, moist, little clay, trace fine to coarse gravel	SM						

End of Boring at 6.0 ft.

WATER LEVEL & CAVE-IN OBSERVATION DATA

▽	WATER ENCOUNTERED DURING DRILLING: NMR	CAVE - IN DEPTH AT COMPLETION: NMR		WET ☐ DRY ☐
▼	WATER LEVEL AT COMPLETION: NMR	CAVE - IN DEPTH AFTER 0 HOURS: NMR		WET ☐ DRY ☐

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

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WISDOT PROJECT ID: 3110-02-01
WISDOT STRUCTURE ID:

BORING ID: 6
PAGE NO: 1 of 1

WISDOT PROJECT NAME: STH 59 (Newcomb to Cox)	CONSULTANT:	CONSULTANT PROJECT NO:	LATITUDE: 42.829457977 / LONGITUDE: -88.70909763
ROADWAY NAME:	DRILLING CONTRACTOR: PSI	DRILLING CONTRACTOR PROJECT NO:	NORTHING: 304987.134 / EASTING: 2346316.528
DATE STARTED: 8/06/13	CREW CHIEF: Turley	DRILL RIG:	COORDINATE SYSTEM:
DATE COMPLETED: 8/06/13	LOGGED BY: PSI	HOLE SIZE: 4 in	HORIZONTAL DATUM: WGS 1984 / VERTICAL DATUM: MSL
COUNTY: Walworth	LOG QC BY: A. Zimmer	HAMMER TYPE:	STREAMBED ELEVATION: NA
STATION: 129+00 / OFFSET: 5R	TOWNSHIP: T4N / RANGE: R15E / SECTION: / 1/4 SECTION: / 1/4 1/4 SECTION:		SURFACE ELEVATION:

SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil Description/ Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
				0.6		7.5" CONCRETE							
				1.1		6" BASE COURSE	GW-GM						
SS 1	12	M 18	14-5-3-5 (8)			SILTY CLAY, brown, fine to coarse grained, moist, trace sand & gravel	CL	2.5					
SS 2	5	M 14		3.0									
				3.5		SILTY CLAY, brown, fine grained, moist, some sand, trace medium to coarse sand & gravel	CL	2.5					

End of Boring at 3.5 ft.

WATER LEVEL & CAVE-IN OBSERVATION DATA

▽	WATER ENCOUNTERED DURING DRILLING: NMR	CAVE - IN DEPTH AT COMPLETION: NMR		WET ☐ DRY ☐
▼	WATER LEVEL AT COMPLETION: NMR	CAVE - IN DEPTH AFTER 0 HOURS: NMR		WET ☐ DRY ☐

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

J:\COUNTIES\WALWORTH\STH 59\3110-02-01 - STH 59 - COX TO NEWCOMB\GINT\3110-02-01.GPJ STH 59 (Newcomb to Cox) 2/27/14

SOIL BORINGS (FOR INFORMATION ONLY)

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WISDOT PROJECT ID: 3110-02-01
WISDOT STRUCTURE ID:
BORING ID: 7
PAGE NO: 1 of 1

WISDOT PROJECT NAME: STH 59 (Newcomb to Cox)	CONSULTANT:	CONSULTANT PROJECT NO:	LATITUDE: 42.828315008 / LONGITUDE: -88.70760479
ROADWAY NAME:	DRILLING CONTRACTOR: PSI	DRILLING CONTRACTOR PROJECT NO:	NORTHING: 304576.809 / EASTING: 2346723.405
DATE STARTED: 8/06/13	CREW CHIEF: Turley	DRILL RIG:	COORDINATE SYSTEM:
DATE COMPLETED: 8/06/13	LOGGED BY: PSI	HOLE SIZE: 4 in	HORIZONTAL DATUM: WGS 1984 / VERTICAL DATUM: MSL
COUNTY: Walworth	LOG QC BY: A. Zimmer	HAMMER TYPE:	STREAMBED ELEVATION: NA
STATION: 134+50 / OFFSET: 10L	TOWNSHIP: T4N / RANGE: R15E / SECTION: / 1/4 SECTION: / 1/4 1/4 SECTION:		SURFACE ELEVATION:

SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil Description/ Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
				0.5		6.5" ASPHALT							
				1.0		5" BASE COURSE	GW-GM						
				1.4		5" CONCRETE							
SS 1	18	M 10	11-3-4-2 (7)	3.0		SILTY FINE SAND, dark brown & grayish brown, medium to coarse grained, moist, little sand, trace fine to coarse gravel & clay, fill	SM						
SS 2	18	M 27	1-3-3-4 (6)	6.0		SILTY CLAY, brown/dark brown mottled, fine to coarse grained, moist, trace sand & gravel	CL	1.0					
SS 3	24	M 13	2-5-2-5 (7)	8.0		SILTY FINE SAND, brown, medium to coarse grained, very moist to wet, trace sand & gravel, with clay lenses	SM						
SS 4	2	W 14	4/2"										

End of Boring at 8.0 ft.

WATER LEVEL & CAVE-IN OBSERVATION DATA

▽	WATER ENCOUNTERED DURING DRILLING: NMR	CAVE - IN DEPTH AT COMPLETION: NMR		WET ☐ DRY ☐
▼	WATER LEVEL AT COMPLETION: NMR	CAVE - IN DEPTH AFTER 0 HOURS: NMR		WET ☐ DRY ☐

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

J:\COUNTIES\WALWORTH\STH 59\3110-02-01 - STH 59 - COX TO NEWCOMB\GINT\3110-02-01.GPJ STH 59 (Newcomb to Cox) 2/27/14

WI Dept. of Transportation
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WISDOT PROJECT ID: 3110-02-01
WISDOT STRUCTURE ID:
BORING ID: 8
PAGE NO: 1 of 1

WISDOT PROJECT NAME: STH 59 (Newcomb to Cox)	CONSULTANT:	CONSULTANT PROJECT NO:	LATITUDE: 42.82734829 / LONGITUDE: -88.70663326
ROADWAY NAME:	DRILLING CONTRACTOR: PSI	DRILLING CONTRACTOR PROJECT NO:	NORTHING: 304228.554 / EASTING: 2346989.467
DATE STARTED: 8/06/13	CREW CHIEF: Turley	DRILL RIG:	COORDINATE SYSTEM:
DATE COMPLETED: 8/06/13	LOGGED BY: PSI	HOLE SIZE: 4 in	HORIZONTAL DATUM: WGS 1984 / VERTICAL DATUM: MSL
COUNTY: Walworth	LOG QC BY: A. Zimmer	HAMMER TYPE:	STREAMBED ELEVATION: NA
STATION: 139+00 / OFFSET: 10R	TOWNSHIP: T4N / RANGE: R15E / SECTION: / 1/4 SECTION: / 1/4 1/4 SECTION:		SURFACE ELEVATION:

SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil Description/ Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
				0.6		7" ASPHALT							
				1.2		7" CONCRETE							
SS 1	18	M 36	7-3-2-9 (5)	3.0		SILTY CLAY, brown, fine to coarse grained, moist, trace sand & gravel	CL	1.25	40	23			
SS 2	5	D 7	14	3.7		SILTY FINE TO COARSE SAND & GRAVEL, brown, damp	GM						

End of Boring at 3.7 ft.

WATER LEVEL & CAVE-IN OBSERVATION DATA

▽	WATER ENCOUNTERED DURING DRILLING: NMR	CAVE - IN DEPTH AT COMPLETION: NMR		WET ☐ DRY ☐
▼	WATER LEVEL AT COMPLETION: NMR	CAVE - IN DEPTH AFTER 0 HOURS: NMR		WET ☐ DRY ☐

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

J:\COUNTIES\WALWORTH\STH 59\3110-02-01 - STH 59 - COX TO NEWCOMB\GINT\3110-02-01.GPJ STH 59 (Newcomb to Cox) 2/27/14

SOIL BORINGS (FOR INFORMATION ONLY)

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WISDOT PROJECT ID: 3110-02-01
WISDOT STRUCTURE ID:

BORING ID: 9
PAGE NO: 1 of 1

WISDOT PROJECT NAME: STH 59 (Newcomb to Cox)	CONSULTANT:	CONSULTANT PROJECT NO:	LATITUDE: 42.826473961 / LONGITUDE: -88.70544624
ROADWAY NAME:	DRILLING CONTRACTOR: PSI	DRILLING CONTRACTOR PROJECT NO:	NORTHING: 303914.866 / EASTING: 2347312.815
DATE STARTED: 8/08/13	CREW CHIEF: Dan Z	DRILL RIG:	COORDINATE SYSTEM:
DATE COMPLETED: 8/08/13	LOGGED BY: PSI	HOLE SIZE: 4 in	HORIZONTAL DATUM: WGS 1984 / VERTICAL DATUM: MSL
COUNTY: Walworth	LOG QC BY: A. Zimmer	HAMMER TYPE:	STREAMBED ELEVATION: NA
STATION: 143+50 / OFFSET: 5L	TOWNSHIP: T4N / RANGE: R15E / SECTION: / 1/4 SECTION: / 1/4 1/4 SECTION:		SURFACE ELEVATION:

SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil Description/ Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
				0.6		7" ASPHALT							
				1.3		8" CONCRETE							
SS 1	18	M 13	6-3-7 (10)	2.5		SILTY CLAY, brown/dark brown & gray, fine to coarse grained, moist, trace sand & gravel, fill	CL	0.5	28	14			
SS 2	6	D 8	5	3.5		SILTY FINE TO MEDIUM SAND, orange/brown, coarse grained, damp, trace to little sand, trace fine to coarse gravel	SM						Fines = 29%

End of Boring at 3.5 ft.

WATER LEVEL & CAVE-IN OBSERVATION DATA

▽	WATER ENCOUNTERED DURING DRILLING: NMR	CAVE - IN DEPTH AT COMPLETION: NMR		WET ☐ DRY ☐
▼	WATER LEVEL AT COMPLETION: NMR	CAVE - IN DEPTH AFTER 0 HOURS: NMR		WET ☐ DRY ☐

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

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WISDOT PROJECT ID: 3110-02-01
WISDOT STRUCTURE ID:

BORING ID: 10
PAGE NO: 1 of 1

WISDOT PROJECT NAME: STH 59 (Newcomb to Cox)	CONSULTANT:	CONSULTANT PROJECT NO:	LATITUDE: 42.825496309 / LONGITUDE: -88.70447651
ROADWAY NAME:	DRILLING CONTRACTOR: PSI	DRILLING CONTRACTOR PROJECT NO:	NORTHING: 303562.626 / EASTING: 2347578.472
DATE STARTED: 8/06/13	CREW CHIEF: Turley	DRILL RIG:	COORDINATE SYSTEM:
DATE COMPLETED: 8/06/13	LOGGED BY: PSI	HOLE SIZE: 4 in	HORIZONTAL DATUM: WGS 1984 / VERTICAL DATUM: MSL
COUNTY: Walworth	LOG QC BY: A. Zimmer	HAMMER TYPE:	STREAMBED ELEVATION: NA
STATION: 148+00 / OFFSET: 5R	TOWNSHIP: T4N / RANGE: R15E / SECTION: / 1/4 SECTION: / 1/4 1/4 SECTION:		SURFACE ELEVATION:

SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil Description/ Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
				0.8		10" ASPHALT							
				1.4		7" CONCRETE							
				1.7		3" BASE COURSE	GW-GM						
SS 1	18	M 6	31-27-9-5 (36)	3.0		FINE TO COARSE SAND & GRAVEL, brown/dark brown, moist, trace to little silt, with clay lenses, fill	GW-GM						
SS 2	24	M 17	10-5-5-4 (10)	5.0		CLAYEY SILT, brown/dark brown, fine to coarse grained, moist, trace sand & gravel, fill	CL-ML	1.5	22	4			
SS 3	3	D 11	9	5.5		SILTY FINE TO COARSE SAND & GRAVEL, brown, damp	GM						

End of Boring at 5.5 ft.

WATER LEVEL & CAVE-IN OBSERVATION DATA

▽	WATER ENCOUNTERED DURING DRILLING: NMR	CAVE - IN DEPTH AT COMPLETION: NMR		WET ☐ DRY ☐
▼	WATER LEVEL AT COMPLETION: NMR	CAVE - IN DEPTH AFTER 0 HOURS: NMR		WET ☐ DRY ☐

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

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WISDOT PROJECT ID: 3110-02-01
WISDOT STRUCTURE ID:

BORING ID: 11
PAGE NO: 1 of 1

WISDOT PROJECT NAME: STH 59 (Newcomb to Cox)	CONSULTANT:	CONSULTANT PROJECT NO:	LATITUDE: 42.824498199 / LONGITUDE: -88.70312870
ROADWAY NAME:	DRILLING CONTRACTOR: PSI	DRILLING CONTRACTOR PROJECT NO:	NORTHING: 303204.509 / EASTING: 2347945.67
DATE STARTED: 8/06/13	CREW CHIEF: Turley	DRILL RIG:	COORDINATE SYSTEM:
DATE COMPLETED: 8/06/13	LOGGED BY: PSI	HOLE SIZE: 4 in	HORIZONTAL DATUM: WGS 1984 / VERTICAL DATUM: MSL
COUNTY: Walworth	LOG QC BY: A. Zimmer	HAMMER TYPE:	STREAMBED ELEVATION: NA
STATION: 152+50 / OFFSET: 10L	TOWNSHIP: T4N / RANGE: R15E / SECTION: / 1/4 SECTION: / 1/4 1/4 SECTION:		SURFACE ELEVATION:

SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil Description/ Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
				0.8		10" ASPHALT							
				1.3			GW-GM						
SS 1	24	M 21	4-2-2-2 (4)			SILTY CLAY TO CLAYEY SILT, gray, fine to coarse grained, very moist, trace sand & organic matter, fill	CL-ML	0.5	22	4			
SS 2	24	M 21	1-2-2-3 (4)	3.5		SILTY CLAY, brown, fine to coarse grained, moist, trace sand		1.25	35	19			
SS 3	24	M 28	4-4-5-4 (9)				CL	3.0					
SS 4	18	M 10	3-9	8.0									
				8.5		SILTY FINE TO COARSE SAND & GRAVEL, orange/brown, moist	GW-GM						
						End of Boring at 8.5 ft.							

WATER LEVEL & CAVE-IN OBSERVATION DATA

WATER ENCOUNTERED DURING DRILLING: NMR	CAVE - IN DEPTH AT COMPLETION: NMR	WET ☐ DRY ☐		
WATER LEVEL AT COMPLETION: NMR	CAVE - IN DEPTH AFTER 0 HOURS: NMR	WET ☐ DRY ☐		

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

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WISDOT PROJECT ID: 3110-02-01
WISDOT STRUCTURE ID:

BORING ID: 12
PAGE NO: 1 of 1

WISDOT PROJECT NAME: STH 59 (Newcomb to Cox)	CONSULTANT:	CONSULTANT PROJECT NO:	LATITUDE: 42.823934851 / LONGITUDE: -88.70262304
ROADWAY NAME:	DRILLING CONTRACTOR: PSI	DRILLING CONTRACTOR PROJECT NO:	NORTHING: 303001.322 / EASTING: 2348084.507
DATE STARTED: 8/06/13	CREW CHIEF: Turley	DRILL RIG:	COORDINATE SYSTEM:
DATE COMPLETED: 8/06/13	LOGGED BY: PSI	HOLE SIZE: 4 in	HORIZONTAL DATUM: WGS 1984 / VERTICAL DATUM: MSL
COUNTY: Walworth	LOG QC BY: A. Zimmer	HAMMER TYPE:	STREAMBED ELEVATION: NA
STATION: 155+50 / OFFSET: 10R	TOWNSHIP: T4N / RANGE: R15E / SECTION: / 1/4 SECTION: / 1/4 1/4 SECTION:		SURFACE ELEVATION:

SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil Description/ Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
				0.6		7" ASPHALT							
				1.0		5" BASE COURSE	GW-GM						
				1.4		5" CONCRETE							
SS 1	6	M 21	9-2-2-2 (4)			SILTY CLAY TO CLAYEY SILT, brown/dark brown, fine grained, moist, little sand, trace medium to coarse sand, fill	CL-ML	1.5					
SS 2	24	M 18	3-2-2-2 (4)	4.5		SILTY CLAY, brown/dark brown mottled, fine to coarse grained, moist, trace sand & gravel		1.0					
SS 3	24	M 23	3-3-4-6 (7)				CL	3.0	45	27			
SS 4	6	M 15	2-4-4-5 (8)					1.5					
SS 5	12	M 11	3-3	9.0		CLAYEY FINE TO COARSE SAND & GRAVEL, brown, very moist to wet, some silt	GW-GM						
				10.0		End of Boring at 10.0 ft.							

WATER LEVEL & CAVE-IN OBSERVATION DATA

WATER ENCOUNTERED DURING DRILLING: NMR	CAVE - IN DEPTH AT COMPLETION: NMR	WET ☐ DRY ☐		
WATER LEVEL AT COMPLETION: NMR	CAVE - IN DEPTH AFTER 0 HOURS: NMR	WET ☐ DRY ☐		

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

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WISDOT PROJECT ID: 3110-02-01
WISDOT STRUCTURE ID:
BORING ID: 13
PAGE NO: 1 of 1

WISDOT PROJECT NAME: STH 59 (Newcomb to Cox)	CONSULTANT:	CONSULTANT PROJECT NO:	LATITUDE: 42.822244113 / LONGITUDE: -88.70070714
ROADWAY NAME:	DRILLING CONTRACTOR: PSI	DRILLING CONTRACTOR PROJECT NO:	NORTHING: 302393.177 / EASTING: 2348608.052
DATE STARTED: 8/06/13	CREW CHIEF: Turley	DRILL RIG:	COORDINATE SYSTEM:
DATE COMPLETED: 8/06/13	LOGGED BY: PSI	HOLE SIZE: 4 in	HORIZONTAL DATUM: WGS 1984 / VERTICAL DATUM: MSL
COUNTY: Walworth	LOG QC BY: A. Zimmer	HAMMER TYPE:	STREAMBED ELEVATION: NA
STATION: 163+00 / OFFSET: 5L	TOWNSHIP: T4N / RANGE: R15E / SECTION: / 1/4 SECTION: / 1/4 1/4 SECTION:		SURFACE ELEVATION:

SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil Description/ Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
				0.5		6.5" ASPHALT							
				1.4		10" BASE COURSE	GW-GM						
SS 1	24	D 8	31-9-16-16 (25)			FINE TO MEDIUM SAND, brown, coarse grained, damp, trace sand & silt, trace clay, with fine sandy silt lenses, fill	SM						
SS 2	18	M 11	9-6-7-6 (13)	3.5		SILTY CLAY, brown/dark brown, fine to coarse grained, moist, trace sand & gravel	CL	3.0					
SS 3	6	6	6	5.0 / 5.7		SILTY FINE TO COARSE SAND & GRAVEL, brown, moist, with clay lenses	GM						

End of Boring at 5.7 ft.

WATER LEVEL & CAVE-IN OBSERVATION DATA

▽	WATER ENCOUNTERED DURING DRILLING: NMR	CAVE - IN DEPTH AT COMPLETION: NMR		WET ☐ DRY ☐
▼	WATER LEVEL AT COMPLETION: NMR	CAVE - IN DEPTH AFTER 0 HOURS: NMR		WET ☐ DRY ☐

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

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WISDOT PROJECT ID: 3110-02-01
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BORING ID: 14
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WISDOT PROJECT NAME: STH 59 (Newcomb to Cox)	CONSULTANT:	CONSULTANT PROJECT NO:	LATITUDE: 42.820704245 / LONGITUDE: -88.70037852
ROADWAY NAME:	DRILLING CONTRACTOR: PSI	DRILLING CONTRACTOR PROJECT NO:	NORTHING: 301833.392 / EASTING: 2348704.957
DATE STARTED: 8/06/13	CREW CHIEF: Turley	DRILL RIG:	COORDINATE SYSTEM:
DATE COMPLETED: 8/06/13	LOGGED BY: PSI	HOLE SIZE: 4 in	HORIZONTAL DATUM: WGS 1984 / VERTICAL DATUM: MSL
COUNTY: Walworth	LOG QC BY: A. Zimmer	HAMMER TYPE:	STREAMBED ELEVATION: NA
STATION: 169+00 / OFFSET: 5R	TOWNSHIP: T4N / RANGE: R15E / SECTION: / 1/4 SECTION: / 1/4 1/4 SECTION:		SURFACE ELEVATION:

SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil Description/ Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
				0.5		6" ASPHALT							
				1.5		12" BASE COURSE	GW-GM						
SS 1	24	M 17	21-8-6-13 (14)			SILTY CLAY, brown/dark gray, fine to coarse grained, moist, trace sand & gravel & HMA rubble, fill		4.0					
SS 2	12	6	17	5.0			CL						
SS 3	24	M 8	8-6-3-5 (9)	7.0		SILTY FINE TO MEDIUM SAND, brown, coarse grained, very moist, trace sand & gravel, with clay lenses, fill	SM						
SS 4	18	M 26	17-12-16 (28)	8.0		SILTY CLAY, brown/dark brown, fine to coarse grained, moist, trace sand & gravel, fill	CL	3.5	45	27			
				8.5		SAND, brown, fine to coarse grained, moist, little gravel	SP						

End of Boring at 8.5 ft.

WATER LEVEL & CAVE-IN OBSERVATION DATA

▽	WATER ENCOUNTERED DURING DRILLING: NMR	CAVE - IN DEPTH AT COMPLETION: NMR		WET ☐ DRY ☐
▼	WATER LEVEL AT COMPLETION: NMR	CAVE - IN DEPTH AFTER 0 HOURS: NMR		WET ☐ DRY ☐

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2) NE = Not Encountered; NMR = No Measurement Recorded

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3110-02-71

Line	Item	Item Description	Unit	Total	Qty
0002	108.4400	CPM Progress Schedule	EACH	0.600	0.600
0004	201.0110	Clearing	SY	1,090.000	1,090.000
0006	201.0120	Clearing	ID	768.000	768.000
0008	201.0210	Grubbing	SY	1,090.000	1,090.000
0010	201.0220	Grubbing	ID	768.000	768.000
0012	202.0110	Roadside Clearing	SY	60.000	60.000
0014	203.0100	Removing Small Pipe Culverts	EACH	7.000	7.000
0016	203.0200	Removing Old Structure (station) 01. 134+32	LS	1.000	1.000
0018	204.0100	Removing Pavement	SY	20,824.000	20,824.000
0020	204.0110	Removing Asphaltic Surface	SY	190.000	190.000
0022	204.0115	Removing Asphaltic Surface Butt Joints	SY	1,425.000	1,425.000
0024	204.0125	Removing Asphaltic Surface Milling	TON	660.000	660.000
0028	204.0150	Removing Curb & Gutter	LF	602.000	602.000
0030	204.0155	Removing Concrete Sidewalk	SY	1,965.000	1,965.000
0032	204.0185	Removing Masonry	CY	11.000	11.000
0036	204.0210	Removing Manholes	EACH	13.000	13.000
0038	204.0215	Removing Catch Basins	EACH	16.000	16.000
0040	204.0220	Removing Inlets	EACH	1.000	1.000
0042	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	437.000	437.000
0044	204.0245	Removing Storm Sewer (size) 02. 15-Inch	LF	583.000	583.000
0046	204.0245	Removing Storm Sewer (size) 03. 18-Inch	LF	248.000	248.000
0048	204.0245	Removing Storm Sewer (size) 04. 21-Inch	LF	228.000	228.000
0050	204.0245	Removing Storm Sewer (size) 05. 24-Inch	LF	266.000	266.000
0054	204.0245	Removing Storm Sewer (size) 07. 36-Inch	LF	229.000	229.000
0056	204.0245	Removing Storm Sewer (size) 08. 48-Inch	LF	144.000	144.000
0064	204.9060.S	Removing (item description) 04. Bollard	EACH	2.000	2.000
0066	204.9060.S	Removing (item description) 05. Salvaging Sign Sta 146+15	EACH	1.000	1.000
0068	204.9090.S	Removing (item description) 01. Modular Blocks	LF	17.000	17.000
0072	205.0100	Excavation Common	CY	27,268.000	27,268.000
0074	205.0501.S	Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	TON	7,906.000	7,906.000
0076	208.0100	Borrow	CY	5,779.000	5,779.000
0078	209.2500	Backfill Granular Grade 2	TON	739.000	739.000
0080	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	34.000	34.000
0082	213.0100	Finishing Roadway (project) 01. 3110-02-71	EACH	1.000	1.000
0086	305.0110	Base Aggregate Dense 3/4-Inch	TON	905.000	905.000
0088	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	14,024.000	14,024.000
0090	310.0110	Base Aggregate Open-Graded	TON	219.000	219.000
0092	313.0110	Pit Run	TON	29,650.000	29,650.000

Line	Item	Item Description	Unit	Total	Qty
0094	390.0201	Base Patching Asphaltic	TON	90.000	90.000
0096	405.0200	Coloring Concrete Custom	CY	87.000	87.000
0100	415.0090	Concrete Pavement 9-Inch	SY	20,921.000	20,921.000
0102	415.0210	Concrete Pavement Gaps	EACH	18.000	18.000
0104	415.1090	Concrete Pavement HES 9-Inch	SY	2,325.000	2,325.000
0106	415.4100	Concrete Pavement Joint Filling	SY	13,460.000	13,460.000
0108	415.5110.S	Concrete Pavement Joint Layout 01. 3110-02-71	LS	1.000	1.000
0112	416.0170	Concrete Driveway 7-Inch	SY	515.000	515.000
0114	416.0190	Concrete Driveway 9-Inch	SY	155.000	155.000
0116	416.0270	Concrete Driveway HES 7-Inch	SY	171.000	171.000
0118	416.0290	Concrete Driveway HES 9-Inch	SY	103.000	103.000
0120	416.0610	Drilled Tie Bars	EACH	64.000	64.000
0122	416.0620	Drilled Dowel Bars	EACH	451.000	451.000
0124	416.1010	Concrete Surface Drains	CY	1.700	1.700
0126	440.4410	Incentive IRI Ride	DOL	4,800.000	4,800.000
0128	450.4000	HMA Cold Weather Paving	TON	27.000	27.000
0130	455.0605	Tack Coat	GAL	1,548.000	1,548.000
0132	460.2000	Incentive Density HMA Pavement	DOL	2,220.000	2,220.000
0134	460.6223	HMA Pavement 3 MT 58-28 S	TON	2,254.000	2,254.000
0136	460.6224	HMA Pavement 4 MT 58-28 S	TON	1,200.000	1,200.000
0138	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	245.000	245.000
0140	465.0125	Asphaltic Surface Temporary	TON	28.000	28.000
0142	520.8000	Concrete Collars for Pipe	EACH	3.000	3.000
0144	521.1012	Apron Endwalls for Culvert Pipe Steel 12-Inch	EACH	4.000	4.000
0146	521.3112	Culvert Pipe Corrugated Steel 12-Inch	LF	54.000	54.000
0148	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	3.000	3.000
0150	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	1.000	1.000
0152	522.1021	Apron Endwalls for Culvert Pipe Reinforced Concrete 21-Inch	EACH	1.000	1.000
0154	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	4.000	4.000
0156	522.1027	Apron Endwalls for Culvert Pipe Reinforced Concrete 27-Inch	EACH	1.000	1.000
0158	522.1048	Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	EACH	1.000	1.000
0162	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	4,838.000	4,838.000
0164	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	96.000	96.000
0166	601.0555	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	LF	4,572.000	4,572.000
0168	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	302.000	302.000

Line	Item	Item Description	Unit	Total	Qty
0172	602.0410	Concrete Sidewalk 5-Inch	SF	44,450.000	44,450.000
0174	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	155.000	155.000
0176	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	64.000	64.000
0178	606.0200	Riprap Medium	CY	169.000	169.000
0180	608.0005	Storm Sewer Rock Excavation	CY	486.500	486.500
0182	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	280.000	280.000
0184	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	43.000	43.000
0186	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	1,110.000	1,110.000
0188	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	1,249.000	1,249.000
0190	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	242.000	242.000
0192	608.0421	Storm Sewer Pipe Reinforced Concrete Class IV 21-Inch	LF	400.000	400.000
0194	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	1,140.000	1,140.000
0196	608.0427	Storm Sewer Pipe Reinforced Concrete Class IV 27-Inch	LF	222.000	222.000
0200	608.0436	Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	LF	265.000	265.000
0202	608.0448	Storm Sewer Pipe Reinforced Concrete Class IV 48-Inch	LF	153.000	153.000
0204	611.0530	Manhole Covers Type J	EACH	22.000	22.000
0206	611.0606	Inlet Covers Type B	EACH	1.000	1.000
0208	611.0612	Inlet Covers Type C	EACH	5.000	5.000
0210	611.0624	Inlet Covers Type H	EACH	15.000	15.000
0212	611.0627	Inlet Covers Type HM	EACH	14.000	14.000
0214	611.0636	Inlet Covers Type HM-S	EACH	5.000	5.000
0216	611.0639	Inlet Covers Type H-S	EACH	9.000	9.000
0218	611.0645	Inlet Covers Type MS-A	EACH	2.000	2.000
0220	611.1003	Catch Basins 3-FT Diameter	EACH	6.000	6.000
0222	611.1004	Catch Basins 4-FT Diameter	EACH	6.000	6.000
0224	611.1005	Catch Basins 5-FT Diameter	EACH	1.000	1.000
0226	611.1006	Catch Basins 6-FT Diameter	EACH	1.000	1.000
0228	611.1230	Catch Basins 2x3-FT	EACH	33.000	33.000
0230	611.2004	Manholes 4-FT Diameter	EACH	2.000	2.000
0232	611.2005	Manholes 5-FT Diameter	EACH	14.000	14.000
0234	611.2006	Manholes 6-FT Diameter	EACH	6.000	6.000

Line	Item	Item Description	Unit	Total	Qty
0236	611.2008	Manholes 8-FT Diameter	EACH	2.000	2.000
0238	611.3902	Inlets Median 2 Grate	EACH	1.000	1.000
0242	611.9800.S	Pipe Grates	EACH	1.000	1.000
0244	612.0106	Pipe Underdrain 6-Inch	LF	1,850.000	1,850.000
0246	612.0206	Pipe Underdrain Unperforated 6-Inch	LF	368.000	368.000
0248	612.0208	Pipe Underdrain Unperforated 8-Inch	LF	100.000	100.000
0250	612.0210	Pipe Underdrain Unperforated 10-Inch	LF	100.000	100.000
0252	612.0212	Pipe Underdrain Unperforated 12-Inch	LF	100.000	100.000
0254	612.0700	Drain Tile Exploration	LF	500.000	500.000
0256	619.1000	Mobilization	EACH	0.600	0.600
0262	624.0100	Water	MGAL	1,150.000	1,150.000
0264	625.0100	Topsoil	SY	12,050.000	12,050.000
0266	625.0500	Salvaged Topsoil	SY	15,570.000	15,570.000
0268	627.0200	Mulching	SY	2,000.000	2,000.000
0270	628.1104	Erosion Bales	EACH	50.000	50.000
0272	628.1504	Silt Fence	LF	6,610.000	6,610.000
0274	628.1520	Silt Fence Maintenance	LF	6,610.000	6,610.000
0276	628.1905	Mobilizations Erosion Control	EACH	13.000	13.000
0278	628.1910	Mobilizations Emergency Erosion Control	EACH	13.000	13.000
0280	628.2004	Erosion Mat Class I Type B	SY	2,044.000	2,044.000
0282	628.2006	Erosion Mat Urban Class I Type A	SY	13,600.000	13,600.000
0284	628.2008	Erosion Mat Urban Class I Type B	SY	1,710.000	1,710.000
0286	628.6510	Soil Stabilizer Type B	ACRE	0.055	0.055
0288	628.7005	Inlet Protection Type A	EACH	63.000	63.000
0290	628.7010	Inlet Protection Type B	EACH	3.000	3.000
0292	628.7015	Inlet Protection Type C	EACH	62.000	62.000
0294	628.7020	Inlet Protection Type D	EACH	28.000	28.000
0296	628.7504	Temporary Ditch Checks	LF	222.000	222.000
0298	628.7555	Culvert Pipe Checks	EACH	20.000	20.000
0300	628.7560	Tracking Pads	EACH	5.000	5.000
0302	628.7570	Rock Bags	EACH	25.000	25.000
0304	629.0210	Fertilizer Type B	CWT	18.850	18.850
0308	630.0130	Seeding Mixture No. 30	LB	318.000	318.000
0310	630.0160	Seeding Mixture No. 60	LB	10.000	10.000
0312	630.0200	Seeding Temporary	LB	530.000	530.000
0314	631.0300	Sod Water	MGAL	274.000	274.000
0316	631.1000	Sod Lawn	SY	12,050.000	12,050.000
0318	633.5200	Markers Culvert End	EACH	6.000	6.000
0320	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	51.000	51.000
0324	634.0818	Posts Tubular Steel 2x2-Inch X 18-FT	EACH	106.000	106.000

Line	Item	Item Description	Unit	Total	Qty
0326	637.2210	Signs Type II Reflective H	SF	835.095	835.095
0328	637.2215	Signs Type II Reflective H Folding	SF	7.460	7.460
0330	637.2230	Signs Type II Reflective F	SF	324.500	324.500
0332	638.2102	Moving Signs Type II	EACH	1.000	1.000
0334	638.2602	Removing Signs Type II	EACH	79.000	79.000
0336	638.3000	Removing Small Sign Supports	EACH	84.000	84.000
0344	642.5401	Field Office Type D	EACH	0.600	0.600
0346	643.0300	Traffic Control Drums	DAY	3,616.000	3,616.000
0348	643.0420	Traffic Control Barricades Type III	DAY	12,319.000	12,319.000
0350	643.0705	Traffic Control Warning Lights Type A	DAY	17,442.000	17,442.000
0352	643.0900	Traffic Control Signs	DAY	116,088.000	116,088.000
0354	643.0910	Traffic Control Covering Signs Type I	EACH	1.000	1.000
0356	643.0920	Traffic Control Covering Signs Type II	EACH	16.000	16.000
0358	643.1000	Traffic Control Signs Fixed Message	SF	136.500	136.500
0360	643.1050	Traffic Control Signs PCMS	DAY	42.000	42.000
0362	643.5000	Traffic Control	EACH	1.000	1.000
0364	644.1410.S	Temporary Pedestrian Surface Asphalt	SF	2,575.000	2,575.000
0366	644.1420.S	Temporary Pedestrian Surface Plywood	SF	500.000	500.000
0368	644.1430.S	Temporary Pedestrian Surface Plate	SF	1,500.000	1,500.000
0370	644.1601.S	Temporary Curb Ramp	EACH	8.000	8.000
0372	644.1616.S	Temporary Pedestrian Safety Fence	LF	455.000	455.000
0374	645.0111	Geotextile Type DF Schedule A	SY	1,235.000	1,235.000
0376	645.0120	Geotextile Type HR	SY	510.000	510.000
0378	646.1020	Marking Line Epoxy 4-Inch	LF	25,943.000	25,943.000
0380	646.3020	Marking Line Epoxy 8-Inch	LF	1,807.000	1,807.000
0382	646.5020	Marking Arrow Epoxy	EACH	4.000	4.000
0384	646.5120	Marking Word Epoxy	EACH	8.000	8.000
0390	646.6120	Marking Stop Line Epoxy 18-Inch	LF	195.000	195.000
0392	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	87.000	87.000
0394	646.6464.S	Cold Weather Marking Epoxy 4-Inch	LF	7,483.000	7,483.000
0396	646.6468.S	Cold Weather Marking Epoxy 8-Inch	LF	72.000	72.000
0398	646.7120	Marking Diagonal Epoxy 12-Inch	LF	537.000	537.000
0400	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	1,111.000	1,111.000
0410	646.9010	Marking Removal Line Water Blasting 4-Inch	LF	311.000	311.000
0412	646.9110	Marking Removal Line Water Blasting 8-Inch	LF	166.000	166.000
0414	646.9210	Marking Removal Line Water Blasting Wide 01. 18-Inch	LF	33.000	33.000
0416	646.9310	Marking Removal Special Marking Water Blasting	EACH	10.000	10.000
0418	648.0100	Locating No-Passing Zones	MI	0.750	0.750
0420	650.4000	Construction Staking Storm Sewer	EACH	83.000	83.000
0422	650.4500	Construction Staking Subgrade	LF	5,420.000	5,420.000

Line	Item	Item Description	Unit	Total	Qty
0424	650.5000	Construction Staking Base	LF	372.000	372.000
0426	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	395.000	395.000
0428	650.7000	Construction Staking Concrete Pavement	LF	5,048.000	5,048.000
0430	650.8000	Construction Staking Resurfacing Reference	LF	1,600.000	1,600.000
0432	650.8500	Construction Staking Electrical Installations (project) 01. 3110-02-71	LS	1.000	1.000
0436	650.9000	Construction Staking Curb Ramps	EACH	23.000	23.000
0438	650.9910	Construction Staking Supplemental Control (project) 01. 3110-02-71	LS	1.000	1.000
0442	650.9920	Construction Staking Slope Stakes	LF	6,160.000	6,160.000
0444	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	130.000	130.000
0450	652.0800	Conduit Loop Detector	LF	160.000	160.000
0456	653.0135	Pull Boxes Steel 24x36-Inch	EACH	2.000	2.000
0462	653.0905	Removing Pull Boxes	EACH	1.000	1.000
0464	655.0700	Loop Detector Lead In Cable	LF	1,224.000	1,224.000
0466	655.0800	Loop Detector Wire	LF	960.000	960.000
0468	670.0100	Field System Integrator	LS	1.000	1.000
0470	670.0200	ITS Documentation	LS	1.000	1.000
0472	678.0600	Install Ethernet Switches	EACH	1.000	1.000
0474	678.0800	Install Cellular Modems	EACH	1.000	1.000
0476	690.0150	Sawing Asphalt	LF	2,911.000	2,911.000
0478	690.0250	Sawing Concrete	LF	938.000	938.000
0480	715.0415	Incentive Strength Concrete Pavement	DOL	6,921.000	6,921.000
0482	715.0710	Optimized Aggregate Gradation Incentive	DOL	19,500.000	19,500.000
0484	999.1500.S	Crack and Damage Survey	LS	1.000	1.000
0486	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	9,000.000	9,000.000
0488	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	10,000.000	10,000.000
0490	SPV.0060	Special 01. Bollard	EACH	2.000	2.000
0492	SPV.0060	Special 02. Vacuum Excavation	EACH	10.000	10.000
0544	SPV.0090	Special 01. Concrete Curb and Gutter HES 30-Inch Type A	LF	498.000	498.000
0546	SPV.0090	Special 02. Concrete Curb and Gutter HES 6-Inch Sloped 36-Inch Type A	LF	274.000	274.000
0548	SPV.0090	Special 03. Concrete Curb and Gutter SHES 30-Inch Type A	LF	50.000	50.000
0550	SPV.0090	Special 04. Concrete Curb and Gutter SHES 6-Inch Sloped 36-Inch Type A	LF	50.000	50.000
0552	SPV.0090	Special 05. Pedestrian Railing	LF	24.000	24.000
0594	SPV.0105	Special 01. Remove Loop Detector Wire and Lead-In Cable (USH 12 & CTH P)	LS	1.000	1.000
0606	SPV.0180	Special 01. Concrete Driveway SHES 7-Inch	SY	75.000	75.000

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Line	Item	Item Description	Unit	Total	Qty
0608	SPV.0180	Special 02. Concrete Driveway SHES 9-Inch	SY	75.000	75.000
0610	SPV.0180	Special 03. Concrete Pavement SHES 9-Inch	SY	210.000	210.000

EARTHWORK SUMMARY

Division	From/To Station	Location	205.0100 Common Excavation (1)		Salvaged / Unusable Pavement Material (4)	Unusable Select Material Excavation (5)	Petroleum Contaminated Soil (6)	Available Material (7)	Unexpanded Fill	Expanded Fill (8)	Mass Ordinate +/- (9)	Waste	208.0100 Borrow	Comment:
			Cut (2) CY	EBS Excavation (3) CY	CY	CY	CY	CY	CY	Factor 1.20 CY	CY	CY	CY	
1 (Stage 1)	Sta 102+75 to 105+50	STH 59	1,653	0	357	1,037	96	163	17	20	143	--	--	
Division 1 Subtotal			1,653	0	357	1,037	96	163	17	20	143	143	0	
2 (Stage 2)	Sta 105+50 to 120+50	STH 59	9,379	0	1,988	4,638	2,041	712	110	132	579	--	--	
	Sta 9+25 to 9+85	Taft Street	201	0	43	151	0	8	3	3	4	--	--	
	Sta 20+15 to 20+85	Willard Street	237	0	49	24	157	7	1	1	7	--	--	
	Sta 28+92 to 29+85	Rice Street	408	0	73	56	264	16	2	3	13	--	--	
	Sta 50+13 to 50+75	Old Bluff	54	0	52	0	0	3	33	39	-36	--	--	
Division 2 Subtotal			10,279	0	2,204	4,869	2,462	745	148	178	567	567	0	
3 (Stage 3)	Sta 122+87 to 163+25	STH 59	16,049	0	3,682	9,916	0	2,450	7,068	8,482	-6,031	--	--	
	Sta 0+13 to 1+25	Sunrise Lane	394	0	60	279	0	55	50	60	-5	--	--	
	Sta 0+15 to 1+55	Old County P	793	0	93	549	0	151	0	0	150	--	--	
	NW Corner	Cox Road	69	0	14	0	0	55	6	7	47	--	--	
	NE Corner	Cox Road	13	0	4	0	0	9	0	0	9	--	--	
	SW Corner	Cox Road	58	0	17	0	0	41	2	2	39	--	--	
	SE Corner	Cox Road	19	0	6	0	0	13	0	1	13	--	--	
Division 3 Subtotal			17,394	0	3,876	10,744	0	2,774	7,127	8,553	-5,779	0	5,779	
Undistributed			0	500	0	0	0	0	0	0	0	0	0	
Grand Total			**29,327**	**500**	**6,437**	**16,649**	**2,558**	**3,682**	**7,292**	**8,750**	**-5,069**	**710**	**5,779**	

	Total Common Excavation	**27,268**

Notes:

(1) Common Excavation = Cut + EBS - Petroleum Contaminated Soil. Item number 205.0100

(2) Salvaged/Unsuable Pavement and Petroleum Contaminated Soil Material is included in Cut.

(3) EBS Excavation to be backfilled with Pit Run material. Waste Material Excavated for EBS offsite.

(4) Salvaged/Unusable Pavement Material

(5) Unusable Select Material Excavation = Wasted off site.

(5) Unusable Select Material Excavation includes Material under Existing Pavement and above the top of Select Material. Also includes Material Excavated for Select Material in Subgrade.

(6) Material Excavated Under Item 205.0501.S

(7) Available Material = Cut - Salvaged/Unusuable Pavement Material - Unusable Select Material Excavation - Petroleum Contaminated Soil

(8) Expanded Fill Factor = 1.2

Expanded Fill = (Unexpanded Fill) * Fill Factor

(9) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

NOTE: UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

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CLEARING AND GRUBBING

LOCATION	201.0110 CLEARING SY	201.0120 CLEARING ID	201.0210 GRUBBING SY	201.0220 GRUBBING ID
STA 102+75 TO 105+50	--	202	--	202
STA 105+50 TO 120+50	40	294	40	294
STA 124+50 TO 155+25	1,050	252	1,050	252
STA 155+25 TO 171+25	--	20	--	20
TOTAL	1,090	768	1,090	768

ROADSIDE CLEARING

LOCATION	202.0110 SY
STA 143+75 RT	60
TOTAL	60

REMOVING SMALL PIPE CULVERTS

LOCATOION	203.0100 EACH
Sunrise Lane	1
STA 142+75 LT	1
STA 143+60 RT	1
STA 144+85 RT	1
Old County P	1
STA 153+25 RT	1
STA 154+00 RT	1
TOTAL	7

REMOVING OLD STRUCTURE (STATION) STA 134+32

LOCATION	203.0200 LS	COMMENTS
STA 134+32	1	2' X 2' CONCRETE BOX CULVERT WITH 18" CMCP EXTENSIONS
TOTAL	1	

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REMOVING ASPHALT

LOCATION	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0125 REMOVING ASPHALTIC SURFACE MILLING TON	COMMENTS
STA 155+25 TO 171+25	190	1,425	660	160 TONS OF ADDITIONAL MILLING INCLUDED FOR CROSS-SLOPE CORRECTION
TOTAL	190	1,425	660	

REMOVING CONCRETE

LOCATION	* 204.0100 REMOVING PAVEMENT SY	204.0150 REMOVING CURB & GUTTER LF	204.0155 REMOVING CONCRETE SIDEWALK SY	204.0185 REMOVING MASONRY CY
STA 102+75 TO 105+50	1,570	--	210	--
STA 105+50 TO 120+50	9,250	108	1,270	11
STA 124+50 TO 155+25	9,830	191	485	--
STA 155+25 TO 171+25	--	303	--	--
TOTAL	20,650	602	1,965	11

*ADDITIONAL QUANTITY ELSEWHERE

SAWING

LOCATION	690.0150 SAWING ASPHALT LF	* 690.0250 SAWING CONCRETE LF
STA 102+75 TO 105+50	81	62
STA 105+50 TO 120+50	825	142
STA 124+50 TO 155+25	138	139
STA 155+25 TO 171+25	1,867	--
TOTAL	2,911	343

*ADDITIONAL QUANTITY ELSEWHERE

REMOVING STORM SEWER

LOCATION	204.0210 REMOVING MANHOLES EACH	204.0215 REMOVING CATCH BASINS EACH	204.0220 REMOVING INLETS EACH	REMOVING STORM SEWER (SIZE) 204.0245.01 12-INCH LF	204.0245.02 15-INCH LF	204.0245.03 18-INCH LF	204.0245.04 21-INCH LF	204.0245.05 24-INCH LF	204.0245.07 36-INCH LF	204.0245.08 48-INCH LF	209.2500 BACKFILL GRANULAR GRADE 2 TON
STA 102+75 TO 105+50	--	--	--	--	--	--	--	--	--	--	--
STA 105+50 TO 120+50	10	12	1	345	295	248	228	56	229	144	562
STA 124+50 TO 155+25	3	4	--	92	288	--	--	210	--	--	177
STA 155+25 TO 171+25	--	--	--	--	--	--	--	--	--	--	--
TOTAL	13	16	1	437	583	248	228	266	229	144	739

NOTE: UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	MISCELLANEOUS QUANTITIES	SHEET:	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

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REMOVING BOLLARD

LOCATION	204.9060.S.04 EACH
STA 116+44 LT	2
TOTAL	2

SALVAGING SIGN STA 146+15

LOCATION	204.9060.S.05 EACH
STA 146+15 RT	1
TOTAL	1

REMOVING MODULAR BLOCKS

LOCATION	204.9090.S.01 LF
STA 117+65 RT	17
TOTAL	17

VACUUM EXCAVATION

LOCATION	SPV.0060.02 EACH
UNDISTRIBUTED	10
TOTAL	10

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BASE AGGREGATE

LOCATION	211.0400 PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS STA	305.0110 DENSE 3/4-INCH TON	305.0120 DENSE 1 1/4-INCH CAT 0010 TON	305.0120 DENSE 1 1/4-INCH CAT 0030 TON	313.0110 PIT RUN CAT 0030 TON	624.0100 WATER MGAL
STA 102+75 TO 105+50	--	--	129	586	1,620	48
STA 105+50 TO 120+50	--	13	851	3,577	9,290	276
STA 124+50 TO 155+25	--	72	988	6,940	17,840	519
STA 155+25 TO 171+25	34	820	278	--	--	23
UNDISTRIBUTED	--	--	675	--	900	284
CAT 0010 TOTAL	34	905	2,921	--	--	1,150
CAT.0030 TOTAL	--	--	--	11,103	29,650	--

NOTE: UNDISTRIBUTED 1 1/4-INCH IS FOR ACCESS
NOTE: UNDISTRIBUTED PIT RUN IS FOR EBS BACKFILL
NOTE: UNDISTRIBUTED WATER IS FOR DUST CONTROL AND UNDISTRIBUTED 1 1/4-INCH AND PIT RUN

EXCAVATION, HAULING, AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL

LOCATION	205.0501.S TON
STA 102+75 TO 105+50	324
STA 105+50 TO 120+50	7,582
STA 124+50 TO 155+25	--
STA 155+25 TO 171+25	--
TOTAL	7,906

NOTE: THIS INCLUDES EXCAVTION FOR ROADWAY, STORM SEWER, SANITARY SEWER, WATER MAIN, AND STORM SEWER REMOVAL.

CONCRETE

LOCATION	* 415.0090 CONCRETE PAVEMENT 9-INCH CAT. 0030 SY	415.0210 GAPS CAT. 0010 EACH	415.1090 HES 9-INCH CAT. 0030 SY	415.4100 JOINT FILLING CAT. 0010 SY	SPV.0180.03 SHES 9-INCH CAT. 0030 SY	* 416.0610 DRILLED TIE BARS CAT. 0010 EACH	* 416.0620 DRILLED DOEWEL BARS CAT. 0010 EACH	416.1010 CONCRETE SURFACE DRAINS CAT. 0010 CY
STA 102+75 TO 105+50	1,213	1	135	1,500	--	--	--	--
STA 105+50 TO 120+50	6,739	9	1,065	8,630	--	17	33	--
STA 124+50 TO 155+25	12,796	8	1,125	3,330	--	20	30	1.7
UNDISTRIBUTED	--	--	--	--	210	--	--	--
CAT. 0010 TOTAL	--	18	--	13,460	--	37	63	1.7
CAT. 0020 TOTAL	--	--	--	--	--	--	--	--
CAT. 0030 TOTAL	20,747	--	2,325	--	210	--	--	--

*ADDITIONAL QUANTITY ELSEWHERE

COLORING CONCRETE CROSSWALK

LOCATION	* 204.0100 REMOVING PAVEMENT CAT. 0020 SY	405.0200 COLORING CONCRETE CUSTOM CAT. 0020 CY	* 415.0090 CONCRETE PAVEMENT 9-INCH CAT. 0020 SY	* 416.0610 DRILLED TIE BARS CAT. 0020 EACH	* 416.0620 DRILLED DOEWEL BARS CAT. 0020 EACH	* 690.0250 SAWING CONCRETE CAT. 0020 LF
STA 105+50 TO 120+50	--	87	--	--	--	--
TAFT STREET	59	--	59	8	128	195
WILLARD STREET	29	--	29	6	66	100
RICE STREET	86	--	86	13	194	300
CAT. 0020 TOTAL	174	87	174	27	388	595

*ADDITIONAL QUANTITY ELSEWHERE

NOTE: UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

3

ASPHALT

LOCATION	390.0201 BASE PATCHING ASPHALTIC TON	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON
STA 102+75 TO 105+50	--	--	--	--	--	18	--
STA 105+50 TO 120+50	--	27	38	69	39	185	6
STA 124+50 TO 155+25	--	--	80	180	66	42	7
STA 155+25 TO 171+25	90	--	1,300	1,670	1,095	--	5
STA 155+25 TO 171+25 CROSS SLOPE CORRECTION	--	--	130	335	--	--	--
UNDISTRIBUTED FOR TRAFFIC HANDELING	--	--	--	--	--	--	10
TOTAL	90	27	1,548	2,254	1,200	245	28

CONCRETE DRIVEWAY

LOCATION	416.0170 7-INCH SY	416.0190 9-INCH SY	416.0270 HES 7-INCH SY	416.0290 HES 9-INCH SY	SPV.0180.01 SHES 7-INCH SY	SPV.0180.02 SHES 9-INCH SY
STA 102+75 TO 105+50	65	--	43	--	--	--
STA 105+50 TO 120+50	315	120	82	68	--	--
STA 124+50 TO 155+25	135	35	46	35	--	--
STA 155+25 TO 171+25	--	--	--	--	--	--
UNDISTRIBUTED	--	--	--	--	75	75
TOTAL	515	155	171	103	75	75

3

CONCRETE CURB & GUTTER

LOCATION	601.0409 30-INCH TYPE A LF	601.0411 30-INCH TYPE D LF	601.0555 6-INCH SLOPED 36-INCH TYPE A LF	601.0557 6-INCH SLOPED 36-INCH TYPE D LF	SPV.0090.01 HES 30-INCH TYPE A LF	SPV.0090.02 HES 6-INCH SLOPED 36-INCH TYPE A LF	SPV.0090.03 SHES 30-INCH TYPE A LF	SPV.0090.04 SHES 6-INCH SLOPED 36-INCH TYPE A LF
STA 102+75 TO 105+50	505	--	--	--	46	--	--	--
STA 105+50 TO 120+50	2,893	96	--	--	174	--	--	--
STA 124+50 TO 155+25	1,440	--	4,572	--	36	45	--	--
STA 155+25 TO 171+25	--	--	--	302	--	--	--	--
UNDISTRIBUTED	--	--	--	--	242	229	50	50
TOTAL	4,838	96	4,572	302	498	274	50	50

CONCRETE SIDEWALK

LOCATION	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	602.0615 RADIAL NATURAL PATINA SF
STA 102+75 TO 105+50	2,330	--	--
STA 105+50 TO 120+50	13,510	80	44.1
STA 124+50 TO 155+25	28,610	75	19.9
STA 155+25 TO 171+25	--	--	--
TOTAL	44,450	155	64

PIPE UNDERDRAIN

LOCATION	310.0110 BASE AGGREGATE OPEN-GRADED TON	612.0106 PIPE UNDERDRAIN 6-INCH LF	612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH LF	612.0208 PIPE UNDERDRAIN UNPERFORATED 8-INCH LF	612.0210 PIPE UNDERDRAIN UNPERFORATED 10-INCH LF	612.0212 PIPE UNDERDRAIN UNPERFORATED 12-INCH LF	612.0700 DRAIN TILE EXPLORATION LF	645.0111 GEOTEXTILE TYPE DF SCHEDULE A SY
STA 102+75 TO 105+50	15	126	--	--	--	--	--	84
STA 105+50 TO 120+50	111	938	--	--	--	--	--	626
STA 124+50 TO 155+25	93	786	368	--	--	--	--	525
UNDISTRIBUTED	--	--	--	100	100	100	500	--
TOTAL	219	1,850	368	100	100	100	500	1,235

NOTE: UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET	RIM ELEVATION	SUMP ELEVATION	DEPTH	* 608.0005 STORM SEWER ROCK EXCAVATION CY	CATCH BASINS 611.1003 3-FT DIAMETER EACH	611.1004 4-FT DIAMETER EACH	611.1005 5-FT DIAMETER EACH	611.1006 6-FT DIAMETER EACH	611.1230 2x3-FT EACH	MANHOLES 611.2004 4-FT DIAMETER EACH	611.2005 5-FT DIAMETER EACH	611.2006 6-FT DIAMETER EACH	611.2008 8-FT DIAMETER EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	COMMENTS
101	109+59	15' RT	830.85	827.62	2.16	--	--	--	--	--	--	1	--	--	--	--	
101A	109+59	23.5' LT	830.52	826.25	3.44	--	--	--	--	--	1	--	--	--	--	--	
101B	109+59	23.5' RT	830.52	825.95	3.74	--	--	--	--	--	1	--	--	--	--	--	
102	110+38	15' RT	830.55	826.73	2.75	--	--	--	--	--	--	--	1	--	--	--	
102A	110+38	23.5' LT	830.21	825.86	3.52	--	--	--	--	--	1	--	--	--	--	--	
102B	110+38	23.5' RT	830.21	825.56	3.82	--	--	--	--	--	1	--	--	--	--	--	
103	112+20	15' RT	830.48	825.72	3.69	--	--	--	--	--	--	--	1	--	--	--	
103A	20+50.2	16.5' LT	829.85	825.11	3.91	3.0	--	--	--	--	1	--	--	--	--	--	
103B	20+42	15.5' RT	829.77	825.04	3.90	3.0	--	--	--	--	1	--	--	--	--	--	
103C	20+44	7' RT	830.11	826.77	2.27	1.0	--	--	--	--	--	1	--	--	--	--	
104	113+50	15' RT	829.90	824.82	4.01	3.0	--	--	--	--	--	--	1	--	--	--	
104A	29+54.6	17.9' RT	829.36	823.69	4.84	4.5	--	1	--	--	--	--	--	--	--	--	
104B	29+56	13.1' LT	829.41	823.95	4.63	3.0	--	1	--	--	--	--	--	--	--	--	
104C	112+80	23.5' RT	829.87	824.42	4.62	0.5	--	1	--	--	--	--	--	--	--	--	
105	114+50	15' RT	829.40	824.22	4.11	5.5	--	--	--	--	--	--	1	--	--	--	
105A	114+50	23.5' LT	828.89	823.71	4.35	3.5	--	--	--	--	1	--	--	--	--	--	
105B	114+50	23.5' RT	829.06	823.40	4.83	4.5	--	--	--	--	1	--	--	--	--	--	
106	116+45	15' RT	828.50	823.14	4.29	--	--	--	--	--	--	--	1	--	--	--	
106A	116+45	23.5' RT	828.16	822.29	5.04	--	--	--	--	--	1	--	--	--	--	--	
106B	116+45	23.5' LT	828.16	822.44	4.89	--	--	--	--	--	1	--	--	--	--	--	
107	116+85	20.8' RT	828.13	822.22	5.08	--	--	--	--	--	--	--	--	--	1	--	2'x3' OPENING IN FLAT TOP, OFFSET
107A	116+85	20.8' LT	828.12	822.14	5.15	1.0	--	--	--	--	--	--	--	--	1	--	2'x3' OPENING IN FLAT TOP, OFFSET
107B	116+44	104.2 ' LT	827.40	822.00	5.23	1.5	--	--	--	--	--	--	--	--	--	1	0" ADJUSTMENT, NO SLOPE ON GRATES
107C	116+87	39' RT	823.63	--	--	--	--	--	--	--	--	--	--	--	--	--	SEE APRON ENDWALL TABLE
108	117+45	15' RT	828.56	822.56	4.93	1.5	--	--	--	--	--	--	--	1	--	--	
108A	117+45	23.5' RT	828.22	822.68	4.71	--	--	--	--	--	1	--	--	--	--	--	
108B	117+25	23.5' LT	828.29	822.99	4.47	--	--	--	--	--	1	--	--	--	--	--	

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5. SUMP ELEVATION IS LOWEST PIPE INVERT FOR MANHOLES AND 2' BELOW LOWEST PIPE INVERT FOR CATCH BASINS
6. STORM SEWER ROCK EXCAVTION BASED ON 6 INCHES BELOW STRUCTURE AND 1.5' AROUND STRUCTURE.

*ADDITIONAL QUANTITY ELSEWHERE

7. DEPTH = RIM ELEVATION - SUMP ELEVATION - CASTING HEIGHT - ADJUSMENT
   CASTING HEIGHT =
   - 2" FOR TYPE MS-A
   - 6" FOR TYPE H, H-S, HM, HM-S
   - 8 7/8" FOR TYPE C AND TYPE J
   - 10" FOR TYPE B

   ADJUSTMENT = 4" TYPICAL (UNLESS NOTED IN COMMENTS SECTION)

NOTE: UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

STORM SEWER STRUCTURES (CONT.)

STRUCTURE NUMBER	STATION	OFFSET	RIM ELEVATION	SUMP ELEVATION	DEPTH	* 608.0005 STORM SEWER ROCK EXCAVATION CY	CATCH BASINS 611.1003 3-FT DIAMETER EACH	611.1004 4-FT DIAMETER EACH	611.1005 5-FT DIAMETER EACH	611.1006 6-FT DIAMETER EACH	611.1230 2x3-FT EACH	MANHOLES 611.2004 4-FT DIAMETER EACH	611.2005 5-FT DIAMETER EACH	611.2006 6-FT DIAMETER EACH	611.2008 8-FT DIAMETER EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	COMMENTS
109	118+25	15' RT	828.70	823.05	4.58	6.0	--	--	--	--	--	--	--	1	--	--	
109A	118+25	23.5' RT	828.22	822.22	5.16	4.0	--	--	--	--	1	--	--	--	--	--	
110	119+25	15' RT	829.74	823.62	5.05	7.0	--	--	--	--	--	--	--	1	--	--	
110A	119+43	23.5 ' LT	831.26	823.58	6.85	5.0	--	1	--	--	--	--	--	--	--	--	
110B	119+46.7	62.6' LT	830.93	824.58	5.27	2.5	1	--	--	--	--	--	--	--	--	--	
110C	119+23.1	89' LT	830.20	825.09	3.94	2.0	1	--	--	--	--	--	--	--	--	--	
111	119+60	16.7' RT	830.16	823.88	5.20	7.0	--	--	--	--	--	--	--	1	--	--	
111A	119+60	23.5' RT	829.75	822.95	5.97	3.5	--	--	--	--	1	--	--	--	--	--	
112	120+40	26.5' LT	831.82	826.24	4.75	3.5	--	--	--	--	1	--	--	--	--	--	
113	120+50	27.5' LT	831.84	826.44	4.57	3.0	--	--	--	--	1	--	--	--	--	--	
200	129+34	18.5' RT	838.42	831.27	6.32	--	--	--	1	--	--	--	--	--	--	--	
200A	129+34	18.5' LT	838.42	832.64	4.95	--	--	--	--	--	1	--	--	--	--	--	
201	132+35	15' RT	835.42	830.26	4.08	--	--	--	--	--	--	--	--	1	--	--	
201A	132+35.6	71.0' LT	831.56	--	--	--	--	--	--	--	--	--	--	--	--	--	SEE APRON ENDWALL TABLE
201B	132+35	21.5' RT	835.12	829.33	4.96	--	--	--	--	--	1	--	--	--	--	--	
201C	132+25	30.7' LT	834.91	828.96	5.11	--	--	1	--	--	--	--	--	--	--	--	
202	132+95	15' RT	835.11	829.87	4.17	--	--	--	--	--	--	--	--	1	--	--	
202A	132+94	86.3' LT	831.97	--	--	--	--	--	--	--	--	--	--	--	--	--	SEE APRON ENDWALL TABLE
203	134+30	19.9' RT	834.14	827.23	6.08	--	--	--	--	1	--	--	--	--	--	--	OFFSET OPENING
203A	134+30	21.5' LT	834.14	829.04	4.27	--	--	--	--	--	1	--	--	--	--	--	
203B	134+30	47' RT	829.09	--	--	--	--	--	--	--	--	--	--	--	--	--	SEE APRON ENDWALL TABLE
204	134+60.0	15' LT	834.29	829.58	3.64	--	--	--	--	--	--	--	1	--	--	--	
204A	134+45.2	47' RT	829.06	--	--	--	--	--	--	--	--	--	--	--	--	--	SEE APRON ENDWALL TABLE
205	135+44.5	15' LT	834.05	829.95	3.03	--	--	--	--	--	--	--	1	--	--	--	2" ADJUSTMENT
205A	135+44.5	21.5' LT	833.75	828.98	3.94	--	--	--	--	--	1	--	--	--	--	--	
205B	135+44.5	21.5' RT	833.75	829.13	3.79	--	--	--	--	--	1	--	--	--	--	--	
206	137+45	15' LT	835.39	830.75	3.57	--	--	--	--	--	--	--	1	--	--	--	
206A	137+45	21.5' LT	835.09	829.32	4.94	--	--	--	--	--	1	--	--	--	--	--	
206B	137+45	21.5' RT	835.09	829.62	4.64	3.0	--	--	--	--	1	--	--	--	--	--	
207	140+00	21.5' LT	839.60	833.62	5.14	--	--	--	--	--	1	--	--	--	--	--	

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   CASTING HEIGHT =
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STORM SEWER STRUCTURES (CONT.)

STRUCTURE NUMBER	STATION	OFFSET	RIM ELEVATION	SUMP ELEVATION	DEPTH	* 608.0005 STORM SEWER ROCK EXCAVATION CY	CATCH BASINS 611.1003 3-FT DIAMETER EACH	611.1004 4-FT DIAMETER EACH	611.1005 5-FT DIAMETER EACH	611.1006 6-FT DIAMETER EACH	611.1230 2x3-FT EACH	MANHOLES 611.2004 4-FT DIAMETER EACH	611.2005 5-FT DIAMETER EACH	611.2006 6-FT DIAMETER EACH	611.2008 8-FT DIAMETER EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	COMMENTS
208	137+70	15' LT	835.75	830.59	4.09	--	--	--	--	--	--	--	1	--	--	--	
208A	137+46.7	48.3' RT	829.92	--	--	--	--	--	--	--	--	--	--	--	--	--	SEE APRON ENDWALL TABLE
209	140+00	15' LT	839.89	833.54	5.28	1.5	--	--	--	--	--	--	1	--	--	--	
210	143+00	15' LT	845.41	837.04	7.30	1.5	--	--	--	--	--	--	1	--	--	--	
210A	143+00	21.5' LT	845.12	838.70	5.59	--	--	--	--	--	1	--	--	--	--	--	
210B	143+00	42' LT	844.87	839.25	4.55	--	1	--	--	--	--	--	--	--	--	--	
210C	143+00	21.5' RT	845.12	839.00	5.29	1.0	--	--	--	--	1	--	--	--	--	--	
211	144+00	15' LT	846.83	838.14	7.61	10.0	--	--	--	--	--	--	1	--	--	--	
211A	144+00	43.5' RT	845.90	840.00	4.83	1.5	1	--	--	--	--	--	--	--	--	--	
212	145+50	15' LT	847.80	839.74	6.98	3.0	--	--	--	--	--	--	1	--	--	--	
212A	145+50	21.5' LT	847.50	839.30	7.37	1.0	--	--	--	--	1	--	--	--	--	--	
212B	145+50	48.7' LT	845.56	840.03	4.46	--	1	--	--	--	--	--	--	--	--	--	
212C	145+50	21.5' RT	847.50	839.10	7.57	4.5	--	--	--	--	1	--	--	--	--	--	
212D	145+50	49.5' RT	845.35	839.50	4.78	3.5	1	--	--	--	--	--	--	--	--	--	
213	148+75	15' LT	849.51	843.21	5.22	--	--	--	--	--	--	--	1	--	--	--	
213A	148+75	21.5' LT	849.21	843.28	5.10	--	--	--	--	--	1	--	--	--	--	--	
213B	148+75	30.5' RT	849.03	843.16	5.04	--	--	--	--	--	1	--	--	--	--	--	
214	140+00	21.5' RT	839.60	834.60	4.17	2.0	--	1	--	--	--	--	--	--	--	--	
214A	139+81	45.3' RT	836.45	--	--	--	--	--	--	--	--	--	--	--	--	--	SEE APRON ENDWALL TABLE
215A	151+10.6	27.1' RT	850.17	846.36	2.98	--	--	--	--	--	1	--	--	--	--	--	
215B	150+43.6	55.6' RT	848.00	--	--	--	--	--	--	--	--	--	--	--	--	--	SEE APRON ENDWALL TABLE
216A	153+58	21.5' LT	849.81	845.90	3.08	--	--	--	--	--	1	--	--	--	--	--	
216B	153+58	19.5' RT	849.85	845.70	3.32	--	--	--	--	--	1	--	--	--	--	--	
216C	154+66.0	31.4' RT	847.37	--	--	--	--	--	--	--	--	--	--	--	--	--	SEE APRON ENDWALL TABLE
C1	134+36.5	47' LT	829.96	--	--	--	--	--	--	--	--	--	--	--	--	--	SEE APRON ENDWALL TABLE
C2	134+36.5	47' RT	829.06	--	--	--	--	--	--	--	--	--	--	--	--	--	SEE APRON ENDWALL TABLE
					TOTAL	111.5	6	6	1	1	33	2	14	6	2	1	

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6. STORM SEWER ROCK EXCAVTION BASED ON 6 INCHES BELOW STRUCTURE AND 1.5' AROUND STRUCTURE.
7. DEPTH = RIM ELEVATION - SUMP ELEVATION - CASTING HEIGHT - ADJUSMENT

   CASTING HEIGHT =

   2" FOR TYPE MS-A

   6" FOR TYPE H, H-S, HM, HM-S

   8 7/8" FOR TYPE C AND TYPE J

   10" FOR TYPE B

   ADJUSTMENT = 4" TYPICAL (UNLESS NOTED IN COMMENTS SECTION)

*ADDITIONAL QUANTITY ELSEWHERE

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STORM SEWER PIPE REINFORCED CONCRETE

FROM STR	TO STR	INLET ELEV	DISCHARGE ELEV	SLOPE	* 608.0005 STORM SEWER ROCK EXCAVATION CY	CLASS III 608.0312 12-INCH LF	CLASS III 608.0315 15-INCH LF	CLASS III 608.0324 24-INCH LF	CLASS IV 608.0412 12-INCH LF	CLASS IV 608.0415 15-INCH LF	CLASS IV 608.0421 21-INCH LF	CLASS IV 608.0424 24-INCH LF	CLASS IV 608.0427 27-INCH LF	CLASS IV 608.0436 36-INCH LF	CLASS IV 608.0448 48-INCH LF	COMMENT
101	102	827.62	827.23	0.5%	--	--	--	--	--	78	--	--	--	--	--	
101A	101	828.25	827.87	1.0%	--	--	--	--	38	--	--	--	--	--	--	
101B	101	827.95	827.87	1.0%	--	--	--	--	9	--	--	--	--	--	--	
102A	102	827.86	827.48	1.0%	--	--	--	--	38	--	--	--	--	--	--	
102B	102	827.56	827.48	1.0%	--	--	--	--	9	--	--	--	--	--	--	
102	103	826.73	825.82	0.5%	--	--	--	--	--	--	181	--	--	--	--	
103	104	825.72	825.07	0.5%	0.5	--	--	--	--	--	130	--	--	--	--	
103A	103C	827.11	826.87	1.0%	--	--	--	--	24	--	--	--	--	--	--	
103B	103C	827.04	826.87	2.0%	--	--	--	--	9	--	--	--	--	--	--	
103C	103	826.77	826.47	0.5%	2.0	--	--	--	60	--	--	--	--	--	--	
104	105	824.82	824.32	0.5%	33.5	--	--	--	--	--	--	100	--	--	--	
104A	104	825.69	825.57	0.5%	--	--	--	--	--	24	--	--	--	--	--	
104B	104A	825.95	825.79	0.5%	--	--	--	--	--	31	--	--	--	--	--	
104C	104B	826.42	826.20	0.5%	--	--	--	--	44	--	--	--	--	--	--	
105	106	824.22	823.24	0.5%	39.5	--	--	195	--	--	--	--	--	--	--	
105A	105	825.71	825.32	1.0%	1.5	--	--	--	38	--	--	--	--	--	--	
105B	105	825.40	825.32	1.0%	0.5	--	--	--	9	--	--	--	--	--	--	
106	107	823.14	822.94	0.5%	--	--	--	40	--	--	--	--	--	--	--	
106A	106	824.29	824.24	0.5%	--	9	--	--	--	--	--	--	--	--	--	
106B	107A	824.44	824.24	0.5%	--	--	--	--	40	--	--	--	--	--	--	
107	107A	822.22	822.15	0.17%	--	--	--	--	--	--	--	--	--	--	42	
107C	107	823.63	822.22	7.73%	--	--	--	--	--	--	--	--	--	--	18	
107A	107B	822.14	822.05	0.10%	4.0	--	--	--	--	--	--	--	--	--	93	
107B	EX. INLET	822.00	--	--	--	--	--	--	--	--	--	--	--	--	--	EXISTING 48" PIPE
108	107	822.56	822.32	0.40%	--	--	--	--	--	--	--	--	--	60	--	
108A	108	824.68	824.56	1.5%	--	--	--	--	9	--	--	--	--	--	--	
108B	107A	824.99	824.59	1.0%	--	--	--	--	40	--	--	--	--	--	--	
109	108	823.05	822.66	0.5%	17.5	--	--	--	--	--	--	--	--	79	--	
109A	109	824.22	824.14	1.0%	0.5	--	--	--	9	--	--	--	--	--	--	

1. PIPE LENGTHS ARE MEASURED TO THE CENTER OF STRUCTURES
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3. STORM SEWER ROCK EXCAVTION BASED ON 6 INCHES BELOW PIPE AND TRENCH WIDTH OF 1.5' ON EACH SIDE OF PIPE.

*ADDITIONAL QUANTITY ELSEWHERE

NOTE: UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

STORM SEWER PIPE REINFORCED CONCRETE (CONT.)

FROM STR	TO STR	INLET ELEV	DISCHARGE ELEV	SLOPE	* 608.0005 STORM SEWER ROCK EXCAVATION CY	CLASS III 608.0312 12-INCH LF	CLASS III 608.0315 15-INCH LF	CLASS III 608.0324 24-INCH LF	CLASS IV 608.0412 12-INCH LF	CLASS IV 608.0415 15-INCH LF	CLASS IV 608.0421 21-INCH LF	CLASS IV 608.0424 24-INCH LF	CLASS IV 608.0427 27-INCH LF	CLASS IV 608.0436 36-INCH LF	CLASS IV 608.0448 48-INCH LF	COMMENT
110	109	823.62	823.15	0.5%	34.5	--	--	--	--	--	--	--	--	93	--	
111	110	823.88	823.72	0.5%	13.0	--	--	--	--	--	--	--	--	33	--	
111A	111	824.95	824.88	1.0%	--	7	--	--	--	--	--	--	--	--	--	
EX. INLET	111	--	825.40	--	--	--	--	--	--	--	--	--	--	--	--	EX 18" PIPE, OFFSET 1' CLOCKWISE IN 111
110A	110	825.58	825.37	0.5%	1.5	--	43	--	--	--	--	--	--	--	--	
110B	110A	826.58	826.19	1.0%	--	39	--	--	--	--	--	--	--	--	--	
110C	110B	827.09	826.68	1.0%	--	41	--	--	--	--	--	--	--	--	--	
EX. INLET	110B	--	827.18	--	--	--	--	--	--	--	--	--	--	--	--	EXISTING 12" AND 6" PIPE
112	110A	828.24	827.20	1.0%	--	--	--	--	104	--	--	--	--	--	--	
113	112	828.44	828.34	1.0%	--	--	--	--	10	--	--	--	--	--	--	
200	201	833.27	830.51	0.92%	--	--	--	--	--	--	--	301	--	--	--	
200A	200	834.64	834.27	1.0%	--	--	--	--	37	--	--	--	--	--	--	
201	202	830.26	829.97	0.47%	--	--	--	--	--	--	--	--	60	--	--	
201A	201C	831.56	831.04	1.24%	--	--	--	--	--	--	42	--	--	--	--	
201B	201	831.33	831.26	1.0%	--	--	--	--	7	--	--	--	--	--	--	
201C	201	830.96	830.51	0.96%	--	--	--	--	--	--	47	--	--	--	--	
202	203	829.87	829.33	0.4%	--	--	--	--	--	--	--	--	135	--	--	
202A	202	831.97	831.06	0.9%	--	--	--	--	101	--	--	--	--	--	--	
203	203B	829.23	829.09	0.5%	--	--	--	--	--	--	--	--	27	--	--	
203A	203	831.02	830.61	1.0%	--	--	--	--	41	--	--	--	--	--	--	
204	204A	829.58	829.06	0.81%	--	--	--	--	--	--	--	64	--	--	--	
205	204	829.95	829.70	0.3%	--	--	--	--	--	--	--	85	--	--	--	
205A	205	830.98	830.95	0.5%	--	--	--	--	7	--	--	--	--	--	--	
205B	205	831.13	830.95	0.5%	--	--	--	--	37	--	--	--	--	--	--	
206	205	830.75	830.15	0.3%	--	--	--	--	--	--	--	200	--	--	--	
206A	206	831.32	831.25	1.0%	--	--	--	--	7	--	--	--	--	--	--	
206B	206	831.62	831.25	1.0%	--	--	--	--	37	--	--	--	--	--	--	
207	206A	835.62	831.42	1.65%	--	--	--	--	255	--	--	--	--	--	--	
208	208A	830.59	829.92	1.0%	9.0	--	--	--	--	--	--	66	--	--	--	
209	208	833.54	830.74	1.22%	3.5	--	--	--	--	--	--	230	--	--	--	

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3. STORM SEWER ROCK EXCAVTION BASED ON 6 INCHES BELOW PIPE AND TRENCH WIDTH OF 1.5' ON EACH SIDE OF PIPE.

*ADDITIONAL QUANTITY ELSEWHERE

NOTE: UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

STORM SEWER PIPE REINFORCED CONCRETE (CONT.)

					*	CLASS III			CLASS IV						
					608.0005	608.0312	608.0315	608.0324	608.0412	608.0415	608.0421	608.0424	608.0427	608.0436	608.0448
					STORM SEWER										
FROM	TO	INLET	DISCHARGE		ROCK EXCAVATION	12-INCH	15-INCH	24-INCH	12-INCH	15-INCH	21-INCH	24-INCH	27-INCH	36-INCH	48-INCH
STR	STR	ELEV	ELEV	SLOPE	CY	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF
210	209	837.04	834.04	1.0%	88.0	--	--	300	--	--	--	--	--	--	--
210A	210	840.70	840.64	1.0%	--	7	--	--	--	--	--	--	--	--	--
210B	210A	841.25	840.80	2.19%	--	21	--	--	--	--	--	--	--	--	--
210C	210	841.00	840.63	1.0%	--	--	--	--	37	--	--	--	--	--	--
211	210	838.14	837.14	1.0%	15.0	--	--	100	--	--	--	--	--	--	--
211A	211	842.00	840.75	2.1%	1.5	59	--	--	--	--	--	--	--	--	--
212	211	839.74	838.24	1.0%	101.0	--	--	150	--	--	--	--	--	--	--
212A	212	841.30	841.24	1.0%	--	7	--	--	--	--	--	--	--	--	--
212B	212A	842.03	841.40	2.33%	--	27	--	--	--	--	--	--	--	--	--
212C	212	841.10	840.74	1.0%	4.5	37	--	--	--	--	--	--	--	--	--
212D	212C	841.50	841.22	1.0%	1.0	28	--	--	--	--	--	--	--	--	--
213	212	843.21	839.96	1.0%	3.0	--	--	325	--	--	--	--	--	--	--
213A	213	845.28	845.21	1.0%	--	--	--	--	7	--	--	--	--	--	--
213B	213	845.16	844.71	1.0%	--	--	--	--	46	--	--	--	--	--	--
214	214A	836.60	836.45	0.5%	--	--	--	--	30	--	--	--	--	--	--
215A	215B	848.36	848.00	0.5%	--	--	--	--	73	--	--	--	--	--	--
216A	216B	847.90	847.78	0.3%	--	--	--	--	41	--	--	--	--	--	--
216B	216C	847.70	847.37	0.3%	--	--	--	--	--	109	--	--	--	--	--
C1	C2	829.96	829.06	0.96%	--	--	--	--	--	--	--	94	--	--	--
				TOTAL	375.0	280	43	1,110	1,249	242	400	1,140	222	265	153

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*ADDITIONAL QUANTITY ELSEWHERE

NOTE: UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

STORM SEWER COVERS

STRUCTURE NUMBER	611.0530 MANHOLE COVERS TYPE J EACH	INLET COVERS 611.0606 TYPE B EACH	611.0612 TYPE C EACH	611.0624 TYPE H EACH	611.0627 TYPE HM EACH	611.0636 TYPE HM-S EACH	611.0639 TYPE H-S EACH	611.0645 TYPE MS-A EACH
101	1	--	--	--	--	--	--	--
101A	--	--	--	1	--	--	--	--
101B	--	--	--	1	--	--	--	--
102	1	--	--	--	--	--	--	--
102A	--	--	--	--	--	--	1	--
102B	--	--	--	--	--	--	1	--
103	1	--	--	--	--	--	--	--
103A	--	--	--	--	--	--	1	--
103B	--	--	--	--	--	--	1	--
103C	1	--	--	--	--	--	--	--
104	1	--	--	--	--	--	--	--
104A	--	--	--	--	--	--	1	--
104B	--	--	--	--	--	--	1	--
104C	--	--	--	1	--	--	--	--
105	1	--	--	--	--	--	--	--
105A	--	--	--	1	--	--	--	--
105B	--	--	--	1	--	--	--	--
106	1	--	--	--	--	--	--	--
106A	--	--	--	1	--	--	--	--
106B	--	--	--	1	--	--	--	--
107	--	--	--	--	--	--	1	--
107A	--	--	--	--	--	--	1	--
107B	--	--	--	--	--	--	--	2
107C	--	--	--	--	--	--	--	--
108	1	--	--	--	--	--	--	--
108A	--	--	--	1	--	--	--	--
108B	--	--	--	1	--	--	--	--

STORM SEWER COVERS (CONT.)

STRUCTURE NUMBER	611.0530 MANHOLE COVERS TYPE J EACH	INLET COVERS 611.0606 TYPE B EACH	611.0612 TYPE C EACH	611.0624 TYPE H EACH	611.0627 TYPE HM EACH	611.0636 TYPE HM-S EACH	611.0639 TYPE H-S EACH	611.0645 TYPE MS-A EACH
109	1	--	--	--	--	--	--	--
109A	--	--	--	--	--	--	1	--
110	1	--	--	--	--	--	--	--
110A	--	--	--	1	--	--	--	--
110B	--	--	1	--	--	--	--	--
110C	--	1	--	--	--	--	--	--
111	1	--	--	--	--	--	--	--
111A	--	--	--	1	--	--	--	--
112	--	--	--	1	--	--	--	--
113	--	--	--	1	--	--	--	--
200	--	--	--	1	--	--	--	--
200A	--	--	--	1	--	--	--	--
201	1	--	--	--	--	--	--	--
201A	--	--	--	--	--	--	--	--
201B	--	--	--	--	1	--	--	--
201C	--	--	--	--	1	--	--	--
202	1	--	--	--	--	--	--	--
202A	--	--	--	--	--	--	--	--
203	--	--	--	--	1	--	--	--
203A	--	--	--	--	1	--	--	--
203B	--	--	--	--	--	--	--	--
204	1	--	--	--	--	--	--	--
204A	--	--	--	--	--	--	--	--
205	1	--	--	--	--	--	--	--
205A	--	--	--	--	--	1	--	--
205B	--	--	--	--	--	1	--	--
206	1	--	--	--	--	--	--	--
206A	--	--	--	--	1	--	--	--
206B	--	--	--	--	1	--	--	--
207	--	--	--	--	1	--	--	--

NOTE: UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

STORM SEWER COVERS (CONT.)

STRUCTURE NUMBER	611.0530 MANHOLE COVERS TYPE J EACH	INLET COVERS 611.0606 TYPE B EACH	611.0612 TYPE C EACH	611.0624 TYPE H EACH	611.0627 TYPE HM EACH	611.0636 TYPE HM-S EACH	611.0639 TYPE H-S EACH	611.0645 TYPE MS-A EACH
208	1	--	--	--	--	--	--	--
208A	--	--	--	--	--	--	--	--
209	1	--	--	--	--	--	--	--
210	1	--	--	--	--	--	--	--
210A	--	--	--	--	1	--	--	--
210B	--	--	1	--	--	--	--	--
210C	--	--	--	--	1	--	--	--
211	1	--	--	--	--	--	--	--
211A	--	--	1	--	--	--	--	--
212	1	--	--	--	--	--	--	--
212A	--	--	--	--	1	--	--	--
212B	--	--	1	--	--	--	--	--
212C	--	--	--	--	1	--	--	--
212D	--	--	1	--	--	--	--	--
213	1	--	--	--	--	--	--	--
213A	--	--	--	--	1	--	--	--
213B	--	--	--	--	1	--	--	--
214	--	--	--	--	1	--	--	--
214A	--	--	--	--	--	--	--	--
215A	--	--	--	--	--	1	--	--
215B	--	--	--	--	--	--	--	--
216A	--	--	--	--	--	1	--	--
216B	--	--	--	--	--	1	--	--
216C	--	--	--	--	--	--	--	--
C1	--	--	--	--	--	--	--	--
C2	--	--	--	--	--	--	--	--
TOTAL	22	1	5	15	14	5	9	2

APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE

STRUCTURE NUMBER	STATION	OFFSET	522.1012 12-INCH EACH	522.1015 15-INCH EACH	522.1021 21-INCH EACH	522.1024 24-INCH EACH	522.1027 27-INCH EACH	522.1048 48-INCH EACH	611.9800.S PIPE GRATES EACH	633.5200 MARKERS CULVERT END EACH	COMMENTS
107C	116+87	39' RT	--	--	--	--	--	1	1	--	INLET
201A	132+35.6	71.0' LT	--	--	1	--	--	--	--	--	INLET
202A	132+94	86.3' LT	1	--	--	--	--	--	--	--	INLET
203B	134+30	47' RT	--	--	--	--	1	--	--	--	OUTLET
204A	134+45.2	47.0' RT	--	--	--	1	--	--	--	--	OUTLET
208A	137+46.7	48.3' RT	--	--	--	1	--	--	--	1	OUTLET
214A	139+81	45.3' RT	1	--	--	--	--	--	--	1	OUTLET
215B	150+43.6	55.6' RT	1	--	--	--	--	--	--	1	OUTLET
216C	154+66	31.4' RT	--	1	--	--	--	--	--	1	OUTLET
C1	134+36.5	47' LT	--	--	--	1	--	--	--	1	INLET
C2	134+36.5	47' RT	--	--	--	1	--	--	--	1	OUTLET
		TOTAL	3	1	1	4	1	1	1	6	

1. STATION AND OFFSET FOR APRON ENDWALLS IS MEASURED AT THE END OF PIPE SECTION

CONCRETE COLLARS FOR PIPE

STRUCTURE NUMBER	STATION	OFFSET	520.8000 EACH
107B	116+44	104.2 ' LT	1
110B	119+46.7	62.6' LT	1
111	119+60.0	16.7' RT	1
		TOTAL	3

NOTE: UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

CULVERT PIPE ITEMS

LOCATION	INLET STA.	INLET OFFSET	INLET ELEV	DISCHARGE STA	DISCHARGE OFFSET	DISCHARGE ELEV	SLOPE	521.1012 APRON ENDWALLS FOR CULVERT PIPE STEEL 12-INCH EA	521.3112 CULVERT PIPE CORRUGATED STEEL 12-INCH LF	COMMENT
STH 59, STA 135+35 RT	135+43	58.34' RT	829.28	135+27	58.5' RT	829.23	0.33%	2	16	SEE PERMANENT DITCH CHECK DETAIL
CTH P, STA. 1+24	1+40	24.4' RT	853.48	1+02	25.4' RT	851.51	5.18%	2	38	
							TOTAL	4	54	

1. PIPE LENGTH IS MEASURED FROM END OF PIPE SECTIONS TO END OF PIPE SECTIONS, NOT END OF APRON ENDWALL.
2. STATION, OFFSET, AND ELEVATION IS MEASURED AT THE END OF PIPE SECTION.

MOBILIZATION

LOCATION	619.1000 EACH
3110-02-71	0.6
TOTAL	0.6

EROSION CONTROL

LOCATION	606.0200 RIPRAP MEDIUM CY	625.0100 TOPSOIL SY	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	628.1104 EROSION BALES EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
STA 102+75 TO 105+50	--	380	--	--	--	260	260	3	5
STA 105+50 TO 120+50	--	2,410	--	--	--	425	425	4	4
STA 124+50 TO 155+25	135	6,850	9,300	--	40	3,950	3,950	6	4
STA 155+25 TO 171+25	--	--	4,850	--	--	655	655		
UNDISTRIBUTED	34	2,410	1,420	2,000	10	1,320	1,320	--	--
TOTAL	169	12,050	15,570	2,000	50	6,610	6,610	13	13

NOTE: ASSUMED EXISTING TOPSOIL DEPTH OF 12 INCHES PER SOILS REPORT

EROSION CONTROL (CONT.)

LOCATION	628.2004 EROSION MAT CLASS I TYPE B SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.6510 SOIL STABILIZER TYPE B ACRE	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7560 TRACKING PADS EACH	628.7570 ROCK BAGS EACH	645.0120 GEOTEXTILE TYPE HR SY
STA 102+75 TO 105+50	--	--	--	--	2	--	4	--	--	--	1	--	--
STA 105+50 TO 120+50	44	--	--	0.055	23	2	25	11	10	6	2	--	--
STA 124+50 TO 155+25	810	6,880	1,370	--	25	--	20	11	122	7	2	--	410
STA 155+25 TO 171+25	780	4,000	--	--	--	--	--	--	40	--		--	--
UNDISTRIBUTED	410	2,720	340	--	13	1	13	6	50	7	--	25	100
TOTAL	2,044	13,600	1,710	0.055	63	3	62	28	222	20	5	25	510

NOTE: UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

LANDSCAPING

LOCATION	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0160 SEEDING MIXTURE NO. 60 LB	630.0200 SEEDING TEMPORARY LB	631.0300 SOD WATER MGAL	631.1000 SOD LAWN SY
STA 102+75 TO 105+50	0.24	--	--	--	9	380
STA 105+50 TO 120+50	1.53	1	--	2	55	2,410
STA 124+50 TO 155+25	9.83	155	7	231	155	6,850
STA 155+25 TO 171+25	3.48	98	--	147	--	--
UNDISTRIBUTED	3.77	64	3	150	55	2,410
TOTAL	18.85	318	10	530	274	12,050

TRAFFIC CONTROL

LOCATION	643.0300 DRUMS EACH	643.0300 DRUMS DAY	643.0420 BARRICADES TYPE III EACH	643.0420 BARRICADES TYPE III DAY	643.0705 WARNING LIGHTS TYPE A EACH	643.0705 WARNING LIGHTS TYPE A DAY	643.0900 SIGNS EACH	643.0900 SIGNS DAY	643.0910 COVERING SIGNS TYPE I EACH	643.0910 COVERING SIGNS TYPE I CYCLES	643.0920 COVERING SIGNS TYPE II EACH	643.0920 COVERING SIGNS TYPE II CYCLES	643.1050 SIGNS PCMS EACH	643.1050 SIGNS PCMS DAY	COMMENTS
STAGE 1	16	1,432	43	5,977	58	8,062	350	48,650	1	1	1	1	2	14	139 DAYS
STAGE 2	16	1,162	33	3,696	47	5,264	344	38,528	--	--	--	--	2	14	112 DAYS
STAGE 3	16	1,022	27	2,646	42	4,116	295	28,910	--	--	15	1	0	14	98 DAYS
TOTAL		3,616		12,319		17,442		116,088	1		16			42	

TRAFFIC CONTROL SIGNS FIXED MESSAGE

SIGN NUMBER	SIZE	643.1000 SF
100	6.5' X 3'	19.5
101	6.5' X 3'	19.5
200	7.5' X 3'	22.5
201	6.5' X 3'	19.5
300	6.5' X 3'	19.5
301	6' X 3'	18
302	6' X 3'	18
TOTAL		136.5

TEMPORARY PEDESTRIAN ACCOMODATIONS

LOCATION	644.1410.S TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	644.1420.S TEMPORARY PEDESTRIAN SURFACE PLYWOOD SF	644.1430.S TEMPORARY PEDESTRIAN SURFACE PLATE SF	644.1601.S TEMPORARY CURB RAMP EACH	644.1616.S TEMPORARY PEDESTRIAN SAFETY FENCE LF
STAGE 1	1,335	--	--	2	255
STAGE 2	240	--	--	--	--
STAGE 3	--	--	--	--	--
UNDISTRIBUTED	1,000	500	1,500	6	200
TOTAL	2,575	500	1,500	8	455

NOTE: UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

3

MARKING

LOCATION	646.1020 LINE EPOXY 4-INCH YELLOW SOLID LF	646.1020 LINE EPOXY 4-INCH YELLOW DOUBLE LF	646.1020 LINE EPOXY 4-INCH YELLOW 12.5' LINE LF	646.1020 LINE EPOXY 4-INCH WHITE SOLID LF	646.1020 LINE EPOXY 4-INCH WHITE 12.5' LINE LF	646.3020 LINE EPOXY 8-INCH WHITE SOLID LF	646.3020 LINE EPOXY 8-INCH WHITE 3' LINE LF	646.5020 ARROW EPOXY TYPE 2 EACH	646.5120 WORD EPOXY EACH	646.6120 STOP LINE EPOXY 18-INCH LF	646.6320 DOTTED EXTENSION EPOXY 18-INCH LF	646.6464.S COLD WEATHER MARKING EPOXY 4-INCH LF	646.6468.S COLD WEATHER MARKING EPOXY 8-INCH LF	646.7120 DIAGONAL EPOXY 12-INCH YELLOW LF	646.7120 DIAGONAL EPOXY 12-INCH WHITE LF	646.7420 CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	648.0100 LOCATING NO-PASSING ZONES MI
STA 102+75 TO 121+25	76	3,972	--	3,410	25	72	--	--	1	50	25	7,483	72	20	130	593	--
STA 121+25 TO 155+25	792	3,288	465	6,650	25	412	53	--	3	42	62	--	--	13	240	518	0.75
STA 155+25 TO 171+25	700	3,014	175	3,351	--	1,124	146	4	4	103	--	--	--	134	--	--	
SUBTOTAL	1,568	10,274	640	13,411	50	1,608	199	--	--	--	--	--	--	167	370	--	--
TOTAL			25,943			1,807		4	8	195	87	7,483	72	537		1,111	0.75

3

MARKING REMOVAL

LOCATION	646.9010 LINE WATER BLASTING 4-INCH LF	646.9110 LINE WATER BLASTING 8-INCH LF	646.9210.01 LINE WATER BLASTING WIDE 18-INCH LF	646.9310 SPECIAL MARKING WATER BLASTING EACH
STA 102+75 TO 121+25	37.5	90	--	1
STA 121+25 TO 155+25	273.5	76	33	9
STA 155+25 TO 171+25	--	--	--	--
TOTAL	311	166	33	10

CONSTRUCTION STAKING

LOCATION	650.4000 STORM SEWER EACH	650.4500 SUBGRADE LF	650.5000 BASE LF	650.5500 CURB GUTTER AND CURB & GUTTER LF	650.7000 CONCRETE PAVEMENT LF	650.8000 RESURFACING REFERENCE LF	650.8500 ELECTRICAL INSTALLATIONS 3110-02-71 LS	650.9000 CURB RAMPS EACH	650.9910 SUPPLEMENTAL CONTROL 3110-02-71 LS	650.9920 SLOPE STAKES LF
STA 102+75 TO 105+50	--	275	--	--	275	--	--	--	--	275
STA 105+50 TO 120+50	37	1,695	93	96	1,602	--	--	13	--	1,695
STA 124+50 TO 155+25	46	3,315	144	--	3,171	--	--	10	--	3,315
STA 155+25 TO 171+25	--	135	135	299	--	1,600	--	--	--	875
TOTAL	83	5,420	372	395	5,048	1,600	1	23	1	6,160

BOLLARD

LOCATION	SPV.0060.01 EACH
STA 116+59 LT	2
TOTAL	2

PEDESTRIAN RAILING

LOCATION	SPV.0090.05 CAT. 0020 EACH
STA 116+85 RT	24
TOTAL	24

NOTE: UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	X	H [IN.]	**637.2210** SIGNS TYPE II REFLC H [SF]	**637.2230** SIGNS TYPE II REFLC F [SF]	**637.2215** SIGNS TYPE II REFLC H FOLDING [SF]	**638.2602** REM SIGNS TYPE II [EA]	**638.3000** REM SMALL SIGN SUPPORTS [EA]	**634.0618** WOOD POSTS 4" X 6" X 18' [EA]	**634.0816** POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	**638.2102** MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
1	NOT USED														
2	NOT USED														
3	NOT USED														
4	NOT USED														
4A	NOT USED														
5	NOT USED														
6	R2-1 (2S)	SPEED LIMIT 25	24	X	30	5.000	--	--	1	1	--	1	--	--	
7	J2-1	STH 59							1	1					
7A	J2-2 (2S)		48	X	69	23.000	--	--	--	--	--	2	--	--	
	M3-4		24	x	12										
	M4-3		24	x	12										
	M1-4	US 12	24	x	24										
	M6-1		21	x	21										
	M3-2		24	x	12										
	M1-6	STH 59	24	x	24										
	M5-1R		21	x	21										
8		NO PASSING ON RIGHT							1				--		
9	R4-50 (2S)	--	30	X	30	6.250	--	--				1	--	--	
10	W11-2 (2S)	--	30	X	30	--	6.250	--	1	1		1		--	
10A	W16-7L (2S)	--	24	X	12	--	2.000	--					--	10	
11	W11-2 (2S)	--	30	X	30	--	6.250	--	1	1		1	--	--	
11A	W16-7L (2S)	--	24	X	12	--	2.000	--						11	
12	R1-1 (2S)	--	30	X	30	5.180	--	--	1	1		1	--	--	
13	R2-1 (2S)	SPEED LIMIT 25	24	X	30	5.000	--	--	1			1	--	--	
14	R2-1 (2S)	SPEED LIMIT 25	24	X	30	5.000	--	--	1			1	--	--	
15	R1-1 (2S)	--	30	X	30	5.180	--	--	1	1		1	--	--	
16	R1-1 (2S)	--	30	X	30	5.180	--	--	1	1		1	--	--	
17	W2-6 (2S)	--	30	X	30	--	6.250	--				1	--	--	
18	W13-1 (2S)	15 MPH	18	X	18	--	2.250	--					--	17	
19		NO PASSING ON RIGHT							1				--		
20	R4-50 (2S)	--	30	X	30	6.250	--	--				1	--	--	

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	637.2215 SIGNS TYPE II REFLC H FOLDING [SF]	638.2602 REM SIGNS TYPE II [EA]	638.3000 REM SMALL SIGN SUPPORTS [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
21	W11-2 (2S)	--	30	X	30	--	6.250	--				1	--	--	
22	W16-9P (2S)	--	24	X	12	--	2.000	--					--	21	
23	W1-1R (2S)	--	36	X	36	--	9.000	--	1			1	--	--	
24	R2-1 (2S)	SPEED LIMIT 25	24	X	30	5.000	--	--	1	1		1	--	--	
25	D1-62	BLUFF ROAD--ELKHORN RD/ HWY 59--CLAY ST							1	2			--		
26	D1-62	BLUFF RD--WEST STH 59/TO US 12--CLAY ST	108	X	84	63.000	--	--			2		--	--	
27	W2-6								1	1			--		REMOVES W2-6P AND W13-1
28	NOT USED												--		
29	NOT USED												--		
30	JV3-1								1	1			--		
	M4-3														
	M3-2														
	M1-4	US 12													
	M3-4														
	M1-6	STH 59													
	M6-2														
31	J4-2 (2S)		48	X	48	16.000	--	--				2	--	--	
	M3-4		24	x	12										
	M4-3		24	x	12										
	M1-4	US 12	24	x	24										
	M3-2		24	x	12										
	M1-6	STH 59	24	x	24										
32	W3-2 (2S)	--	36	X	36	--	9.000	--	1	1		1	--	--	
33	R3-8K								1	1			--		
33A	NOT USED														
34	W1-6 (2S)	--	48	X	24	--	8.000	--				1	--	--	
35	W1-6 (2S)	--	48	X	24	--	8.000	--	1	1			--	31	REMOVES J4-1 BUSINESS WEST US 12; MOUNT NEW SIGN UNDER SIGN NO. 31
36	R4-7 (2S)	--	24	X	30	5.000	--	--	1	1		1		--	
37	NOT USED												--		
38	R5-50								1	1			--		
39	R5-50 (2S)	--	30	X	24	5.000	--	--	1	1		1	--	--	
40	W11-2 (2S)	--	30	X	30	--	6.250	--	1	1		1	--	--	

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	X	H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	637.2215 SIGNS TYPE II REFLC H FOLDING [SF]	638.2602 REM SIGNS TYPE II [EA]	638.3000 REM SMALL SIGN SUPPORTS [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
40A	W16-7L (2S)	--	24	X	12	--	2.000	--						40	
41	W11-2 (2S)	--	30	X	30	--	6.250	--	1	1		1	--	--	
41A	W16-7L (2S)	--	24	X	12	--	2.000	--						41	
42	W5-54 (2S)	--	18	X	18	--	2.250	--					--	36	MOUNT HEIGHT 4 FEET
43	W4-2R (2S)	--	36	X	36	--	9.000	--	1	1		1	--	--	
44	R1-2 (2S)	--	36	X	31	3.875	--	--	1	1		1	--	--	
44A	R1-54 (2S)	--	24	X	15	2.500	--	--						44	
45	D1-2	CLAY STREET [ARROW]	60	X	15	6.250	--	--	1	2		2	--	--	
46	R1-2 (2S)	--	36	X	31	3.875	--	--	1	1		1	--	--	
46A	R6-2R (2S)	--	24	X	30	5.000	--	--						46	
47	R1-2 (2S)	--	36	X	31	3.875	--	--	1	1		1	--	--	
47A	R1-54 (2S)	--	24	X	15	2.500	--	--						47	
48	W11-2 (2S)	--	30	X	30	--	6.250	--	1	1		1	--	--	
48A	W16-7L (2S)	--	24	X	12	--	2.000	--						48	
49	W4-2R (2S)	--	36	X	36	--	9.000	--	1	1		1	--	--	
50	R4-7 (2S)	--	24	X	30	5.000	--	--	1	1		1	--	--	
51	R3-8K								1	1			--		
52	R1-2								1	1			--		REMOVES R1-54
53	R1-2 (2S)	--	36	X	31	3.875	--	--				1	--	--	
53A	R6-2R (2S)	--	24	X	30	5.000	--	--						53	
54	R1-2								1	1			--		REMOVES R6-2R
55	R1-2 (2S)	--	36	X	31	3.875	--	--				1	--	--	
55A	R1-54 (2S)	--	24	X	15	2.500	--	--						55	
56	R6-1R								1	1			--		
57	R6-1R (2S)	--	36	X	12	3.000	--	--				2	--	--	
58	R6-4B (2S)	--	60	X	24	10.000	--	--						57	
59	R6-1R (2S)	--	36	X	12	3.000	--	--	1	1		2		--	
60	R6-4B (2S)	--	60	X	24	10.000	--	--					--	59	
61	R6-1R (2S)	--	36	X	12	3.000	--	--	1	1		2	--	--	
62	R6-4B (2S)	--	60	X	24	10.000	--	--					--	61	

3

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63	R6-1R (2S)	--	36	X	12	3.000	--	--	1	1		2	--	--	
64	R6-4B (2S)	--	60	X	24	10.000	--	--					--	63	
65	R1-2 (2S)	--	36	X	31	3.875	--	--	1	1		1	--	--	
65A	R1-54 (2S)	--	24	X	15	2.500	--	--						65	
66	R1-2 (2S)	--	36	X	31	3.875	--	--	1	1		1	--	--	
66A	R6-2R (2S)	--	24	X	30	5.000	--	--					--	66	
67	D1-2	BLUFF ROAD [ARROW]	66	X	15	6.875	--	--	1	2		2		--	
68	W11-2 (2S)	--	30	X	30	--	6.250	--	1	1		1	--	--	
68A	W16-7L (2S)	--	24	X	12	--	2.000	--						68	
69	W5-54 (2S)	--	18	X	18	--	2.250	--					--	50	MOUNT HEIGHT 4 FEET
70	J4-2 (2S)		48	X	36	12.000	--	--				2	--	--	SHEET 5 OF 13
	M3-4		24	x	12										
	M1-6	STH 59	24	x	24										
	M4-5		24	x	12										
	M1-4	US 12	24	x	24										
71	R4-50 (2S)	--	30	X	30	6.250	--	--				1	--	--	
72		NO PASSING ON RIGHT							1				--		
73	W3-2 (2S)	--	36	X	36	--	9.000	--	1			1	--	--	
74	W2-6								1	1			--		REMOVES W2-6P AND W13-1
75	R2-1 (2S)	SPEED LIMIT 25	24	X	30	5.000	--	--				1		--	
76	NOT USED														
77	D1-62	CLAY ST--STH 59 EAST--BLUFF RD	108	X	72	54.000	54.000	--			2		--	--	SHEET 6 OF 13; PUT AT STATION 130+20
77A	J3-1 (2S)		24	X	69	11.500	--	--				2		--	SHEET 5 OF 13
	M3-4		24	x	12										
	M4-3		24	x	12										
	M1-4	US 12	24	x	24										
	M6-1		21	x	21										
78	W11-2 (2S)	--	30	X	30	--	6.250	--				1	--	--	
79	W16-9P (2S)	--	24	X	12	--	2.000	--						78	
80	W2-6 (2S)	--	30	X	30	--	6.250	--				1		--	SHEET 6 OF 13
81	W13-1 (2S)	15 MPH	18	X	18	--	2.250	--					--	80	
82	D1-62	CLAY ST--ELKHORN RD/HWY 59--BLUFF RD							1	2			--		

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83		DON'T GET CAUGHT WITHOUT EM--BUCKLE UP--IT'S OUR LAW							1				--		
84	R2-1 (2S)	SPEED LIMIT 25	24	X	30	5.000	--	--	1	1		1		--	
85	R1-1 (2S)	--	30	X	30	5.180	--	--	1	1		1	--	--	
86	R2-1 (2S)	SPEED LIMIT 40	24	X	30	5.000	--	--			1		--	--	
87	D2-3	ELKHORN/LAKE GENEVA/CHICAGO							1	2					
88	I2-3	WHITEWATER POPULATION 14,622	78	X	24	13.000	--	--			2			--	
88A		WHITEWATER POPULATION 14,622							1	2					
89	R2-1 (2S)	SPEED LIMIT 40	24	X	30	5.000	--	--	1	1	1			--	SHEET 8 OF 13
90	J3-3 (2S)		72	X	57	28.500	--	--	1	2	2			--	SHEET 9 OF 13
	M4-5		24	x	12										
	M1-4	US 12	24	x	24										
	M6-1		21	x	21										
	M4-5		24	x	12										
	M1-5A	COUNTY P	24	x	24										
	M6-1		21	x	21										
	M3-4		24	x	12										
	M1-6	STH 59	24	x	24										
	M6-1		21	x	21										
91	R1-1 (2S)	--	30	X	30	5.180	--	--	1	1	1			--	
92	W1-2R (2S)	--	30	X	30	--	6.250	--	1	1	1			--	
92A	J4-2 (2S)		48	X	48	16.000	--	--			1			--	
	M3-4		24	x	12										
	M4-3		24	x	12										
	M1-4	US 12	24	x	24										
	M3-2		24	x	12										
	M1-6	STH 59	24	x	24										
93	W1-6 (2S)	--	48	X	24	--	8.000	--	1	1	1		--	--	SHEET 11 OF 13
94	W3-3 (2S)	--	36	X	36	--	9.000	--	1	1	1			--	
95	W3-3 (2S)	--	36	X	36	--	9.000	--	1	1	1			--	
96	R2-1 (2S)	SPEED LIMIT 40	24	X	30	5.000	--	--	1	1	1			--	

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97	J23-1 (2S)		24 X 57	9.500	--	--	1	1	1			--	
	M4-5		24 x 12										
	M1-5A	COUNTY P	24 x 24										
	M6-1		21 x 21										
98	R1-1 (2S)	--	30 X 30	5.180	--	--	1	1	1			--	
99	R1-1 (2S)	--	30 X 30	5.180	--	--	1	1	1			--	
100	J1-2						1	2			--		
	M2-1												
	M1-4	US 12											
	M2-1												
	M1-5A	COUNTY P											
100A	J1-3 (2S)		72 X 48	24.000	--	--			2			--	
	M2-1		21 x 15										
	M1-4	US 12	24 x 24										
	M2-1		21 x 15										
	M1-5A	COUNTY P	24 x 24										
	M4-6		24 x 12										
	M4-3		24 x 12										
	M1-4	US 12	24 x 24										
101	R3-8W (2S)	--	54 X 30	11.250	--	--	1	2	2		--	--	
102	W3-4 (2S)	--	36 X 36	--	9.000	--	1	1	1		--	--	
103	R2-1 (2S)	SPEED LIMIT 40	24 X 30	5.000	--	--	1	1	1			--	
104	J2-4 (2S)		96 X 57	38.000	--	--	1	3	2		--	--	
	M3-2		24 x 12										
	M1-4	US 12	24 x 24										
	M5-1L		21 x 21										
	M1-5A	COUNTY P	24 x 24										
	M6-1		21 x 21										
	M3-4		24 x 12										
	M1-6	STH 59	24 x 24										
	M5-1R		21 x 21										
	M3-4		24 x 12										
	M1-4	US 12	24 x 24										
	M5-1R		21 x 21										

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	X	H [IN.]	**637.2210** SIGNS TYPE II REFLC H [SF]	**637.2230** SIGNS TYPE II REFLC F [SF]	**637.2215** SIGNS TYPE II REFLC H FOLDING [SF]	**638.2602** REM SIGNS TYPE II [EA]	**638.3000** REM SMALL SIGN SUPPORTS [EA]	**634.0618** WOOD POSTS 4" X 6" X 18' [EA]	**634.0816** POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	**638.2102** MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
105	J3-4 (2S)		96	X	57	38.000	--	--	1	2	2		--	--	
	M3-2		24	x	12										
	M1-4	US 12	24	x	24										
	M6-1		21	x	21										
	M1-5A	COUNTY P	24	x	24										
	M6-1		21	x	21										
	M3-4		24	x	12										
	M1-6	STH 59	24	x	24										
	M6-1		21	x	21										
	M3-4		24	x	12										
	M1-4	US 12	24	x	24										
	M6-1		21	x	21										
106	J4-2								1	1					
	M4-3														
	M1-4	US 12													
	M3-2														
	M1-6	STH 59													
106A	J4-2 (2S)		48	X	48	16.000	--	--			1			--	
	M3-4		24	x	12										
	M4-3		24	x	12										
	M1-4	US 12	24	x	24										
	M3-2		24	x	12										
	M1-6	STH 59	24	x	24										
107	W1-2L (2S)	--	30	X	30	--	6.250	--	1	1	1			--	
108	R1-2 (2S)	--	36	X	31	3.875	--	--	1	1		1	--	--	SHEET 4 OF 13
109	R6-2R (2S)	--	24	X	30	5.000	--	--					--	108	SHEET 4 OF 13
110	W11-2 (2S)	--	30	X	30	--	6.250	--				1	--	--	SHEET 2 OF 13
111	W16-9P (2S)	--	24	X	12	--	2.000	--					--	110	SHEET 2 OF 13
112	W11-2 (2S)	--	30	X	30	--	6.250	--				1	--	--	SHEET 1 OF 13
113	W16-9P (2S)	--	24	X	12	--	2.000	--						112	SHEET 1 OF 13
114	W3-5 (2S)	SPEED LIMIT 25	36	X	36	--	9.000	--			1			--	SHEET 7 OF 13
115	D1-61	COX RD [DOUBLE ARROW]	42	X	24	7.000	--	--			2			--	SHEET 11 OF 13
116	D1-61	COX RD [DOUBLE ARROW]	42	X	24	7.000	--	--			2			--	SHEET 12 OF 13

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	X	SIGN SIZE H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	637.2215 SIGNS TYPE II REFLC H FOLDING [SF]	638.2602 REM SIGNS TYPE II [EA]	638.3000 REM SMALL SIGN SUPPORTS [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
117	R2-1 (2S)	SPEED LIMIT 40	24	X	30	5.000	--	--			1			--	SHEET 7 OF 13
118	W1-7 (2S)	--	48	X	24	--	8.000	--			1			--	SHEET 9 OF 13
119	W11-2 (2S)	--	30	X	30	--	6.250	--			1			--	SHEET 8 OF 13
120	W16-9P (2S)	--	24	X	12	--	2.000	--						119	SHEET 8 OF 13
121	W11-2 (2S)	--	30	X	30	--	6.250	--			1			--	SHEET 9 OF 13
122	W16-7L (2S)	--	24	X	12	--	2.000	--						121	SHEET 9 OF 13
123	W11-2 (2S)	--	30	X	30	--	6.250	--			1			--	SHEET 9 OF 13
124	W16-7L (2S)	--	24	X	12	--	2.000	--						123	SHEET 9 OF 13
125	W11-2 (2S)	--	30	X	30	--	6.250	--			1			--	SHEET 10 OF 13
126	W16-9P (2S)	--	24	X	12	--	2.000	--						125	SHEET 10 OF 13
127		ELKHORN RD [ARROW]							1	2					SHEET 4 OF 13
128	R6-4B								1	2					SHEET 4 OF 13
129	D1-2	STH 59 EAST [ARW] ELKHORN RD	78	X	30	16.250	--	--				2		--	SHEET 4 OF 13
130	D1-2	WEST STH 59/TO US 12 [ARROW]	66	X	30	13.750	--	--				2		--	SHEET 4 OF 13
131	D1-1	[ARROW] OLD HWY P	78	X	15	8.125	--	--			2			--	SHEET 10 OF 13
132	D1-1	OLD HWY P [ARROW]	78	X	15	8.125	--	--			2			--	SHEET 8 OF 13
133	R1-6 (2S)		12	X	36	3.000	--	--				1		--	SHEET 4 OF 13; MOUNT HEIGHT 2 FEET
134	R1-6 (2S)		12	X	36	3.000	--	--				1		--	SHEET 4 OF 13; MOUNT HEIGHT 2 FEET
135	R1-6 (2S)		12	X	36	3.000	--	--				1		--	SHEET 4 OF 13; MOUNT HEIGHT 2 FEET
136	R1-6 (2S)		12	X	36	3.000	--	--				1		--	SHEET 4 OF 13; MOUNT HEIGHT 2 FEET
137	R1-6 (2S)		12	X	36	3.000	--	--				1		--	SHEET 4 OF 13; MOUNT HEIGHT 2 FEET
138	R1-6 (2S)		12	X	36	3.000	--	--				1		--	SHEET 4 OF 13; MOUNT HEIGHT 2 FEET
139	R1-6 (2S)		12	X	36	3.000	--	--				1		--	SHEET 4 OF 13; MOUNT HEIGHT 2 FEET
140	R1-6 (2S)		12	X	36	3.000	--	--				1		--	SHEET 4 OF 13; MOUNT HEIGHT 2 FEET
141	R4-7 (2S)		24	X	30	5.000	--	--	1	1		1		--	SHEET 4 OF 13; MOUNT HEIGHT IS 6 FEET
142	R4-7 (2S)		24	X	30	5.000	--	--	1	1		1		--	SHEET 4 OF 13; 6 FT TO BOTTOM OF SIGN
143	R1-1 (3)		36	X	36	7.460	--	--	1	1	1			--	SHEET 12 OF 13
144	W12-1D (2S)		24	X	24	--	4.000	--	1	1	1			--	MOUNT HEIGHT 2 FEET
145	W12-1L (2S)		24	X	24	--	4.000	--			1			--	MOUNT HEIGHT 2 FEET
146	R1-1F (3)		36	X	36	--	--	7.460	1					--	MOUNT ON SIGNAL POLE
147	R5-1 (2S)		30	X	30	6.250	--	--				1		--	SHEET 4 OF 13
148	R5-1 (2S)		30	X	30	6.250	--	--				1		--	SHEET 4 OF 13
149		WEIGHT LIMIT CLASS B											1		SHEET 6 OF 13
150	R7-1R (2S)		18	X	24	3.000	--	--				1			SHEET 1 OF 13
151	R7-1L (2S)		18	X	24	3.000	--	--				1			SHEET 1 OF 13

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	637.2215 SIGNS TYPE II REFLC H FOLDING [SF]	638.2602 REM SIGNS TYPE II [EA]	638.3000 REM SMALL SIGN SUPPORTS [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
152	R7-1R (2S)		18	X	24	3.000	--	--				1			SHEET 2 OF 13
153	R7-1L (2S)		18	X	24	3.000	--	--				1			SHEET 2 OF 13
154	R7-1R (2S)		18	X	24	3.000	--	--				1			SHEET 2 OF 13
155	R7-1L (2S)		18	X	24	3.000	--	--				1			SHEET 2 OF 13
156	R7-1R (2S)		18	X	24	3.000	--	--				1			SHEET 3 OF 13
157	R7-1L (2S)		18	X	24	3.000	--	--				1			SHEET 3 OF 13
158	R7-1R (2S)		18	X	24	3.000	--	--				1			SHEET 4 OF 13
159	R7-1L (2S)		18	X	24	3.000	--	--				1			SHEET 4 OF 13
160	R7-1D (2S)		18	X	24	3.000	--	--							SHEET 4 OF 13; MOUNT ON LIGHT POLE
161	R7-1D (2S)		18	X	24	3.000	--	--							SHEET 4 OF 13; MOUNT ON LIGHT POLE
162	R7-1D (2S)		18	X	24	3.000	--	--				1			SHEET 5 OF 13
163	R7-1D (2S)		18	X	24	3.000	--	--						71	SHEET 5 OF 13
164	R7-1D (2S)		18	X	24	3.000	--	--				1			SHEET 5 OF 13
165	R7-1D (2S)		18	X	24	3.000	--	--				1			SHEET 5 OF 13
166	R7-1D (2S)		18	X	24	3.000	--	--				1			SHEET 5 OF 13
167	R7-1D (2S)		18	X	24	3.000	--	--				1			SHEET 5 OF 13
168	R7-1D (2S)		18	X	24	3.000	--	--				1			SHEET 6 OF 13
169	R7-1D (2S)		18	X	24	3.000	--	--				1			SHEET 6 OF 13
170	R7-1D (2S)		18	X	24	3.000	--	--				1			SHEET 7 OF 13
171	R7-1D (2S)		18	X	24	3.000	--	--				1			SHEET 7 OF 13
172	R7-1D (2S)		18	X	24	3.000	--	--						117	SHEET 7 OF 13
173	R7-1D (2S)		18	X	24	3.000	--	--				1			SHEET 7 OF 13
174	R7-1D (2S)		18	X	24	3.000	--	--				1			SHEET 8 OF 13
175	R7-1D (2S)		18	X	24	3.000	--	--				1			SHEET 8 OF 13
176	R7-1D (2S)		18	X	24	3.000	--	--				1			SHEET 9 OF 13
177	R7-1D (2S)		18	X	24	3.000	--	--				1			SHEET 9 OF 13
178	R7-1D (2S)		18	X	24	3.000	--	--				1			SHEET 9 OF 13
179	R7-1D (2S)		18	X	24	3.000	--	--				1			SHEET 9 OF 13
180	R7-1R (2S)		18	X	24	3.000	--	--				1			SHEET 10 OF 13
181	R7-1L (2S)		18	X	24	3.000	--	--				1			SHEET 10 OF 13
		UNDISTRIBUTED									1				
TOTALS						835.095	324.500	7.460	79	84	51	106	1		

USH 12 & CTH P
WALWORTH COUNTY
CATEGORY 0010
S64-1017

STATE FURNISHED MATERIALS SUMMARY

EACH	DESCRIPTION
1	TRAFFIC SIGNAL CONTROLLER, FULLY ACTUATED, 8 PHASE
1	ETHERNET SWITCH
1	CELLULAR MODEM

CONDUIT

FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.
PB16	PB19	130
	TOTAL	130

PULL BOXES

PULL BOX NO.	LOCATION*	653.0135 PULL BOXES STEEL 24x36-INCH EACH
PB16	169+84.46, 48.92' RT (STH 59)	1
PB19	168+52.31, 42.88' RT (STH 59)	1
	TOTAL	2

* FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIE

REMOVE PULL BOXES

PULL BOX NO.	653.0905 REMOVING PULL BOXES EACH
PB16	1
TOTAL	1

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB	LOCATION*	SIZE (FT)x(FT)	NO. OF TURNS	SDD INSTALLATION REFERENCE	652.0800 CONDUIT LOOP DETECTOR L.F.	655.0700 LOOP DETECTOR LEAD IN CABLE L.F.	655.0800 LOOP DETECTOR WIRE L.F.
41	PB19	168+54.22, 17.09' RT (STH 59)	6'X6'	6	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	76	685	456
42	PB16	169+85.16, 19.00' RT (STH 59)	6'X6'	6	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	84	539	504
					TOTAL	160	1224	960

* LOCATION IS TO FRONT CENTER OF DETECTOR LOOP
* * FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

FIELD SYSTEM INTEGRATOR

LOCATION	670.0100 FIELD SYSTEM INTEGRATOR L.S.	670.0200 ITS DOCUMENTATION L.S.
3110-02-71	1	1
TOTAL	1	1

COMMUNICATIONS EQUIPMENT

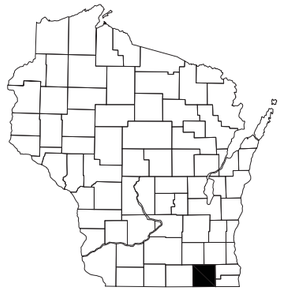
LOCATION	678.0600 INSTALL ETHERNET SWITCHES EACH	678.0800 INSTALL CELLULAR MODEMS EACH	CAT-5E-CABLE 5-FEET *** EACH
CB1 (S64-1017)	1	1	1
TOTAL	1	1	1

** PAY ITEM INCLUDES INSTALLATION OF BOTH CONTRACTOR FURNISHED AND STATE FURNISHED MATERIALS
*** FOR INFORMATION ONLY

REMOVE LOOP DETECTOR WIRE AND LEAD-IN CABLE

LOCATION	SPV.0105.01 REMOVE LOOP DETECTOR WIRE & LEAD-IN CABLE L.S.
USH 12 & CTH P	1
TOTAL	1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
PROJECT NO. 3110-02-21
ELKHORN ROAD, CITY OF WHITEWATER
NEWCOMB STREET TO SUNRISE LANE
STH 59
WALWORTH COUNTY



CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC) — W (TYPE)
FEE ACQUISITION AREA (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (HIGHWAY, PERMANENT LIMITED, OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
NATIONAL GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT

SECTION CORNER
NOTATION FOR COMBUSTABLE FLUIDS — CAUTION
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES — CAUTION
BRIDGE

R/W MONUMENT
NON-MONUMENTED R/W POINT
FOUND IRON PIN
VALVE (GAS, WATER, ETC.) — (TYPE)
SIGN
OFF-PREMISE SIGN — I-25

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE	■	○
TELEPHONE POLE	⌀	⌀
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)	⌀	⌀

ACCESS CONTROLLED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)

PARCEL NUMBER 25
UTILITY NUMBER 40

CONVENTIONAL ABBREVIATIONS

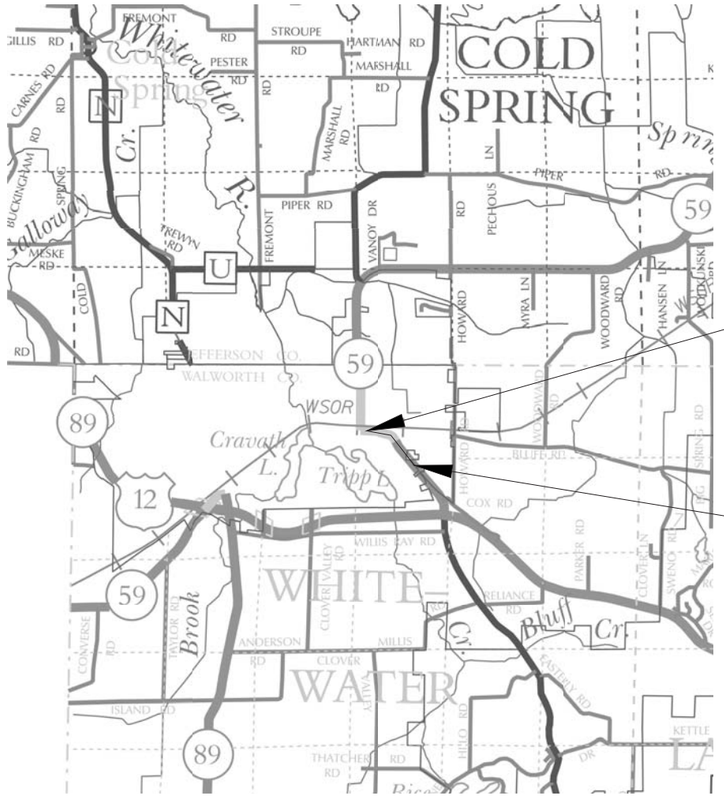
ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RIGHT	RT
CENTERLINE	C/L	RIGHT OF WAY	R/W
CERTIFIED SURVEY MAP	CSM	SECTION	SEC
CONCRETE	CONC	SEPTIC VENT	SEPV
COUNTY	CO	SQUARE FEET	SF
COUNTY TRUNK HIGHWAY	CTH	STATE TRUNK HIGHWAY	STH
DISTANCE	DIST	STATION	STA
CORNER	COR	SUBDIVISION	SUBD
DOCUMENT NUMBER	DOC	TANGENT	TAN
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		

CURVE DATA

LONG CHORD	LC
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	Δ
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

WATER	W
GAS	G
TELEPHONE	T
OVERHEAD TRANSMISSION LINES	OH
ELECTRIC	E
CABLE TELEVISION	TV
FIBER OPTIC	FO
SANITARY SEWER	SAN
STORM SEWER	SS



BEGIN PROJECT

END PROJECT

GN

LAYOUT
SCALE 0 0.4 MI.

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 3110-02-21

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, WALWORTH COUNTY, NAD83(2007), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

AN EASEMENT FOR HIGHWAY PURPOSES (HE), AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA, WI.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REQUIRED.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3110-02-21 -4. 01
SHEET 2 OF 2
AMENDMENT NO:

FILE NAME : N:\PDS\C3D\31100201\RW\21-TITLE.DWG
APPRAISAL PLAT DATE :
PLOT DATE : 12/14/2012 7:46 PM
PLOT BY : SCHMIDT, STEVEN L PLOT NAME : ----------
CONST. 3110-02-71 R/W 3110-02-21-4.01
LAYOUT NAME - ****

923008

CABE SLIDE 8

TRANSPORTATION PROJECT PLAT NO: 3110-02-21 - 4.01 AMENDMENT NO.1

AMENDS TRANSPORTATION PROJECT PLAT 3110-02-21-4.01 RECORDED AS DOCUMENT 915298 BY ELIMINATING UTILITY NUMBER 200.
THAT PART OF LOTS 1, 2, 3, 4, 5, 6, 7, 8 & 9, BLOCK 8, LOTS, 2, 4, 5, 6, 7 & 8, BLOCK 9, LOTS 5, 6, 7, & 8, BLOCK 10, S. C. HALLS ADDITION, AND ALSO LOT 1, CSM 4005, V.24, P.341, ALL LOCATED IN THE NW1/4-SW1/4 SECTION 3, TOWN 4 NORTH, RANGE 15 EAST, CITY OF WHITEWATER, WALWORTH COUNTY, WISCONSIN.

RELOCATION ORDER STH 59 NEWCOMB STREET TO SUNRISE LANE WALWORTH COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF WHITEWATER DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

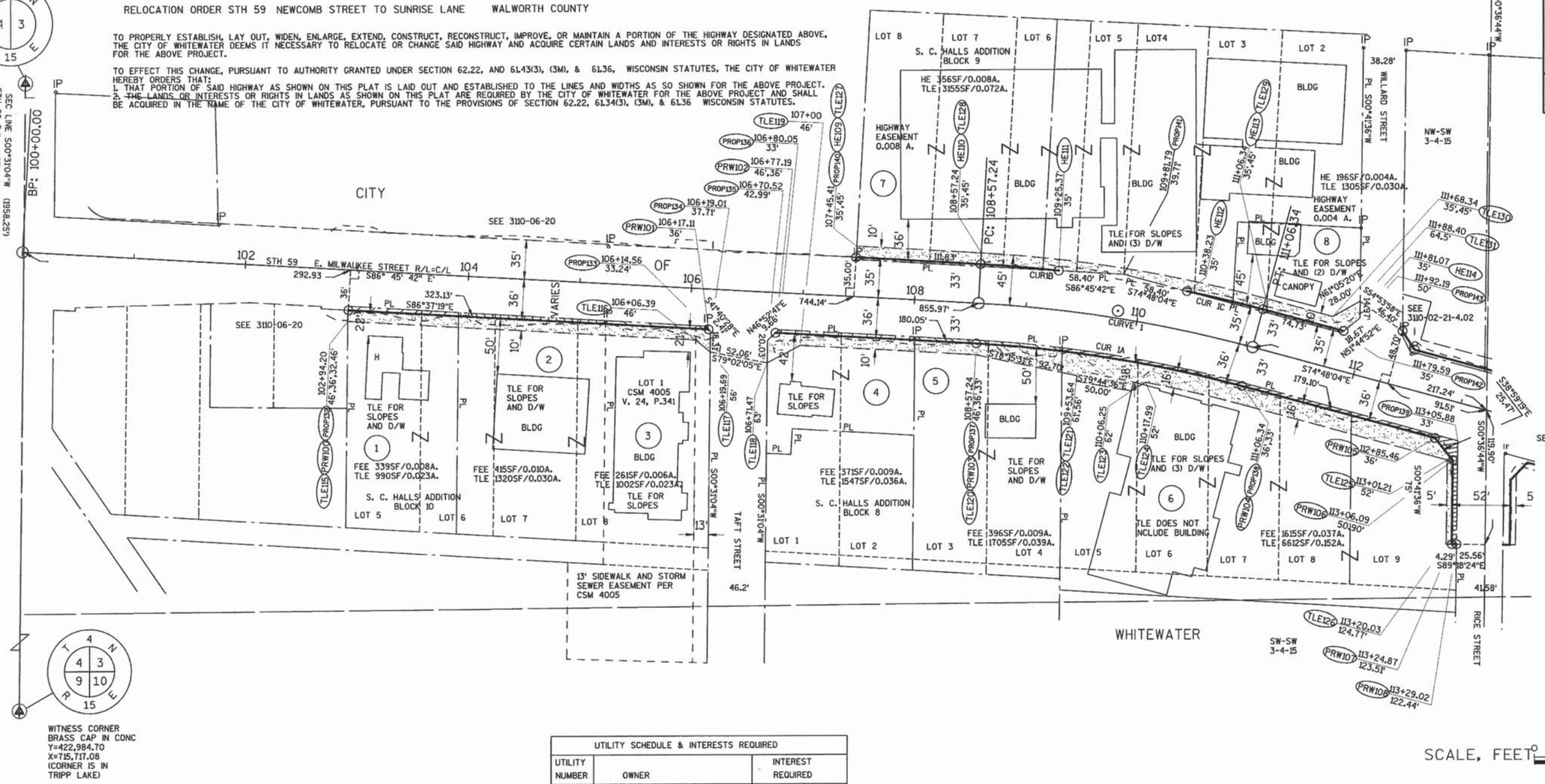
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, AND 61.43(3), (3M), & 61.36, WISCONSIN STATUTES, THE CITY OF WHITEWATER HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY OF WHITEWATER FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF WHITEWATER, PURSUANT TO THE PROVISIONS OF SECTION 62.22, 61.34(3), (3M), & 61.36 WISCONSIN STATUTES.

SEC 415020
QUARTER CORNER
BRASS CAP IN CONC
Y=424,942.84
X=715,734.82

T 4 N R 15 E — 4 3

SEC LINE S00°31'04"W (9958.25')
STH 59 R/L = STA 100+01.27
99.56' QUARTER COR. TO STH 59 R/L

BP: 100+00.00



WITNESS CORNER
BRASS CAP IN CONC
Y=422,984.70
X=715,717.08
(CORNER IS IN TRIPP LAKE)

T 4 N R 15 E — 4 3 9 10

Doc # 923008
Recorded
April 06, 2016 3:39 PM
FILED
DONNA R PRUESS
REGISTER OF DEEDS
WALWORTH COUNTY, WI
Fee Amount: $25.00
Total Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3110-02-21-4.01
AMENDMENT NO. 1

STH 59 R/L
CURVE 1

PI	109+82.24
Y	423895.91
X	716705.27
DELTA	11°57'37"
D	4°48'05"
T	125.00'
L	249.10'
R	1193.30'
LCH	248.65'
CB	S80°46'53"E

CUR IA

L	241.58'
R	1158.30'
LCH	241.15'
CB	S80°46'53"E

CUR IB

L	70.10'
R	1228.30'
LCH	70.09'
CB	S85°07'35"E

CUR IC

L	70.10'
R	1228.30'
LCH	70.09'
CB	S76°26'10"E

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	EXISTING	TOTAL	T.L.E TEMP. ACRES	P.L.E PERM. ACRES
1	AKEY RENTALS, LLC	FEE,TLE	0.008		0.008	0.023	
2	AKEY RENTALS, LLC	FEE,TLE	0.010		0.010	0.030	
3	MILWAUKEE STREET VENTURE, LLC	FEE,TLE	0.006		0.006	0.023	
4	C. BENNETT PENWELL	FEE,TLE	0.009		0.009	0.036	
5	ROBERT H. & SHIRLEY L. CUTSHALL	FEE,TLE	0.009		0.009	0.039	
6	FUNHUNTERS PROPERTIES, LLC	FEE,TLE	0.037		0.037	0.152	
7	COBURN HQ LLC	HE,TLE	0.008		0.008	0.072	
8	SBL PETRO, INC	HE,TLE	0.004		0.004	0.027	

UTILITY SCHEDULE & INTERESTS REQUIRED		
UTILITY NUMBER	OWNER	INTEREST REQUIRED
201	WE ENERGIES-GAS	RELEASE OF RIGHTS

(201) PARCEL 6 WE ENERGIES-GAS V.568, P.219, DOC.531506

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 59	3110-06-20	VARIES	2014
STH 59	S.C. HALLS ADD.	66'	1862
STH 59	DEED V.226, P.81, D.42551	VARIES	1979
STH 59	DEED V.226, P.83, D.42553	VARIES	1979
TAFT ST.	S.C HALLS ADD.	46.2'	1862
WILLARD ST.	S.C. HALLS ADD.	38.28'	1862
RICE ST	S.C. HALLS ADD	41.58'	1862

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, WALWORTH COUNTY, NAD 83 (2007) ADJUSTMENT, USING WISCORS NETWORK.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICALLY ¾" REBAR AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE LATEST ACCESS/ DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED AS SHEET 2 OF 2 OF DOCUMENT 915298.

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, STEVEN L. SCHMIDT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF WHITEWATER, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Steven Schmidt DATE: 4/01/16
PRINT NAME: STEVEN L. SCHMIDT PLS
REGISTRATION NUMBER: S-2813

WISCONSIN STEVEN L SCHMIDT S-2813 ELKHORN WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF WHITEWATER

SIGNATURE: _____ DATE: 4/6/16
PRINT NAME: CAMERON CLAPPER CITY MANAGER

FILE NAME : N:\PDS\C3D\31100201\RW\4.01A1.DWG
APPRAISAL PLAT DATE :
PLOT DATE : 3/31/2016 2:01 PM PLOT BY : SCHMIDT, STEVEN L PLOT NAME :
PLOT SCALE : 1.0000'
CONST. 3110-02-71 R/W 3110-02-21- 4.01 AMENDMENT NO. 1

915298

CAB D SLIDE 186

TRANSPORTATION PROJECT PLAT NO: 3110-02-21 - 4.01

THAT PART OF LOTS 1, 2, 3, 4, 5, 6, 7, 8 & 9, BLOCK 8, LOTS, 2, 4, 5, 6, 7 & 8, BLOCK 9, LOTS 5, 6, 7, & 8, BLOCK 10, S. C. HALLS ADDITION, AND ALSO LOT 1, CSM 4005, V.24, P.341, ALL LOCATED IN THE NW1/4-SW1/4 SECTION 3, TOWN 4 NORTH, RANGE 15 EAST, CITY OF WHITEWATER, WALWORTH COUNTY, WISCONSIN.

RELOCATION ORDER STH 59 NEWCOMB STREET TO SUNRISE LANE WALWORTH COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF WHITEWATER DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, AND 61.43(3), (3M), & 61.36, WISCONSIN STATUTES, THE CITY OF WHITEWATER HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. ~~THE~~ LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY OF WHITEWATER FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF WHITEWATER, PURSUANT TO THE PROVISIONS OF SECTION 62.22, 61.34(3), (3M), & 61.36 WISCONSIN STATUTES.

SEC 415020
QUARTER CORNER
BRASS CAP IN CONC
Y=424,942.84
X=715,734.82

SEC LINE S00°10'04"W (1958.85')
STH 59 R/L = TAL 100+00+27
1958' QUARTER COR. TO STH 59 R/L

BP: 100+00.00

CITY

SEE 3110-06-20

STH 59 E. MILWAUKEE STREET R/L=C/L
S86° 45' 42" E 292.93

323.13' S86°37'19"E

VARIES

744.14'

855.97'

180.05'

S41°40'21"E 20.03'

N46°52'44"E 5.65'

S79°02'05"E 52.06'

S78°48'31"E 92.70'

S79°44'36"E 50.00'

S74°48'04"E 179.10'

S74°48'04"E 58.40'

S86°45'42"E 58.40'

S54°53'58"E 46.40'

S38°59'19"E 25.47'

S00°36'44"W 119.90'

S00°41'36"W 38.28'

S00°15'04"W 13'

S00°15'04"W 46.2'

S00°41'36"W 41.58'

PC: 108+57.24

CURVE 1

CUR 1A L 241.58' R 1158.30' LCH 241.15' CB S80°46'53"E

CUR 1B L 70.10' R 1228.30' LCH 70.09' CB S85°07'35"E

CUR 1C L 70.10' R 1228.30' LCH 70.09' CB S76°26'10"E

STH 59 R/L CURVE 1
PI 109+82.24
Y 423895.91
X 716705.27
DELTA 11°57'37"
D 4°48'05"
T 125.00'
L 249.10'
R 1193.30'
LCH 248.65'
CB S80°46'53"E

SEE 3110-02-21-4.02

SEE 3110-02-21-4.01

SEE 3110-02-21-4.02

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3110-02-21-4.01
PAGE 1 OF 2

Doc # 915298
Recorded
November 06, 2015 1:43 PM
FILED
DONNA R PRUESS
REGISTER OF DEEDS
WALWORTH COUNTY, WI
Fee Amount: $25.00
Total Pages: 2

SIXTEENTH LINE S00°36'44"W

WILLARD STREET

RICE STREET

TAFT STREET

WHITEWATER

NW-SW 3-4-15

SW-SW 3-4-15

LOT 1 CSM 4005 V. 24, P.341

S. C. HALLS ADDITION BLOCK 9

S. C. HALLS ADDITION BLOCK 10

S. C. HALLS ADDITION BLOCK 8

HIGHWAY EASEMENT 0.008 A.

HIGHWAY EASEMENT 0.004 A.

HE 356SF/0.008A.
TLE 3155SF/0.072A.

HE 196SF/0.004A.
TLE 1305SF/0.030A.

TLE FOR SLOPES AND D/W

TLE FOR SLOPES AND (2) D/W

TLE FOR SLOPES AND (3) D/W

TLE DOES NOT NCLUDE BUILDING

CANOPY

BLDG

FEE 339SF/0.008A.
TLE 990SF/0.023A.

FEE 415SF/0.010A.
TLE 1320SF/0.030A.

FEE 261SF/0.006A.
TLE 1002SF/0.023A.

FEE 371SF/0.009A.
TLE 1547SF/0.036A.

FEE 396SF/0.009A.
TLE 1705SF/0.039A.

FEE 1615SF/0.037A.
TLE 6612SF/0.152A.

13' SIDEWALK AND STORM SEWER EASEMENT PER CSM 4005

WITNESS CORNER
BRASS CAP IN CONC
Y=422,984.70
X=715,717.08
(CORNER IS IN TRIPP LAKE)

SCALE, FEET 0 50 100

GN

UTILITY SCHEDULE & INTERESTS REQUIRED		
UTILITY NUMBER	OWNER	INTEREST REQUIRED
200	WE ENERGIES-ELECTRIC	RELEASE OF RIGHTS
201	WE ENERGIES-GAS	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	EXISTING	TOTAL	T.L.E TEMP. ACRES	P.L.E PERM. ACRES
1	AKEY RENTALS, LLC	FEE,TLE	0.008		0.008	0.023	
2	AKEY RENTALS, LLC	FEE,TLE	0.010		0.010	0.030	
3	MILWAUKEE STREET VENTURE, LLC	FEE,TLE	0.006		0.006	0.023	
4	C. BENNETT PENWELL	FEE,TLE	0.009		0.009	0.036	
5	ROBERT H. & SHIRLEY L. CUTSHALL	FEE,TLE	0.009		0.009	0.039	
6	FUNHUNTERS PROPERTIES, LLC	FEE,TLE	0.037		0.037	0.152	
7	COBURN HQ LLC	HE,TLE	0.008		0.008	0.072	
8	SBL PETRO, INC	HE,TLE	0.004		0.004	0.027	

(200) PARCEL 6 WE ENERGIES-ELECTRIC NO RECORDED EASEMENT

(201) PARCEL 6 WE ENERGIES-GAS V.568, P.219, DOC.531506

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 59	3110-06-20	VARIES	2014
STH 59	S.C. HALLS ADD.	66'	1862
STH 59	DEED V.226, P.81, D.42551	VARIES	1979
STH 59	DEED V.226, P.83, D.42553	VARIES	1979
TAFT ST.	S.C HALLS ADD.	46.2'	1862
WILLARD ST.	S.C. HALLS ADD.	38.28'	1862
RICE ST	S.C. HALLS ADD	41.58'	1862

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, WALWORTH COUNTY, NAD 83 (2007) ADJUSTMENT, USING WISCORS NETWORK.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICALLY ¾" REBAR AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE LATEST ACCESS/ DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED AS SHEET 2 OF 2 OF THIS DOCUMENT.

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, STEVEN L. SCHMIDT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF WHITEWATER, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN STEVEN L. SCHMIDT S-2813 ELKHORN WI LAND SURVEYOR

SIGNATURE: Steven Schmidt DATE: 10/30/15
PRINT NAME: STEVEN L. SCHMIDT PLS
REGISTRATION NUMBER: S-2813

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF WHITEWATER

SIGNATURE: _____ DATE: 11/02/15
PRINT NAME: CAMERON CLAPPER CITY MANAGER

FILE NAME : N:\PDS\C3D\31100201\RW\4.01.DWG
APPRAISAL PLAT DATE :

PLOT DATE : 10/30/2015 1:57 PM PLOT BY : SCHMIDT, STEVEN L PLOT NAME : PLOT SCALE : **********

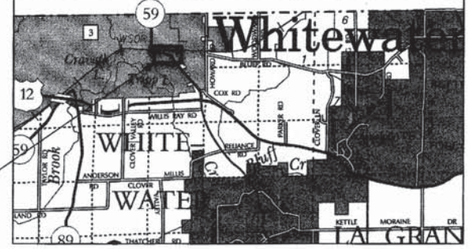
CONST. 3110-02-71 R/W 3110-02-

918307

Cab D Slide 190

HWY	BASIS OF EXISTING	WIDTH	YEAR
STH 59	CSM 4054	VARIES	2007
STH 59	S.C. HALLS ADD.	66'	1862
STH 59	DEED V.226, P.90, D.42560	VARIES	1979
STH 59	D.713412	VARIES	2007
STH 59	D.716649	VARIES	2007
WILLARD ST.	S.C. HALLS ADD.	38.28'	1862
RICE ST	S.C. HALLS ADD	41.58'	1862

SHEET LOCATION NOT TO SCALE



T 4 N

SHEET LOCATION

R 15 E

TRANSPORTATION PROJECT PLAT NO: 3110-02-21 - 4.02

THAT PART OF LOT 1, BLOCK 9, OUTLOT 6, S. C. HALLS ADDITION LOCATED IN THE NW1/4-SW1/4, SECTION 3, TOWN 4 NORTH, RANGE 15 EAST, AND ALSO THAT PART OF LOTS 1, 2, 3, 4, 5, BLOCK 11, OUTLOTS 5 AND 6, S. C. HALLS ADDITION, AND ALSO LOT 2, CSM 4054 LOCATED IN THE NE1/4-SW1/4 SECTION 3, TOWN 4 NORTH RANGE 15 EAST, AND ALSO THAT PART OF LOTS 5 AND 6, BLOCK 11, S. C. HALLS ADDITION, AND ALSO LOT 2, CSM 4054 LOCATED IN THE SE1/4-SW1/4 SECTION 3, TOWN 4 NORTH, RANGE 15 EAST, ALL IN THE CITY OF WHITEWATER, WALWORTH COUNTY, WISCONSIN.

RELOCATION ORDER STH 59 NEWCOMB STREET TO SUNRISE LANE WALWORTH COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF WHITEWATER DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, AND 61.43 (3), (3M), & 61.36, WISCONSIN STATUTES, THE CITY OF WHITEWATER HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY OF WHITEWATER FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF WHITEWATER, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Doc # 918304
Recorded
January 07, 2016 9:11 AM
FILED
DONNA R PRUESS
REGISTER OF DEEDS
WALWORTH COUNTY, WI
Fee Amount: $25.00
Total Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3110-02-21-4.02

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	R/W REQUIRED ACRES EXISTING	R/W REQUIRED ACRES TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
9	DEANNA A. JACOBS	FEE,TLE	0.005		0.005	0.033	
10	ROBERT W. & MARY E. PAYNTER	FEE,TLE	0.004		0.004	0.016	
11	SALLY JO KUTZ	FEE,HE,TLE	0.006		0.006	0.028	
12	THOMAS J. SCHOPEN	HE,PLE,TLE	0.009		0.009	0.084	0.002
13	960E. MILWAUKEE, LLC	HE,PLE,TLE	0.011		0.011	0.273	0.006
14	SAI HOSPITALITY, LLC	FEE,PLE,TLE	0.034		0.034	0.072	0.007
15	GREGORY C. GREENWOOD	FEE,PLE,TLE	0.006		0.006	0.023	0.004
16	JOSE E. & MARGARITA CANO	FEE,TLE	0.015		0.015	0.034	
17	JOHN M. & SUSAN K. HANEKAMP TRUST L.C. TO BEN ROYTEN, FRANK LEGATH AND JOHN LEGATH	FEE,TLE	0.001		0.001	0.003	
18	CITY OF WHITEWATER	TLE				0.038	

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	OWNER	INTEREST REQUIRED
200	WE ENERGIES-ELECTRIC	RELEASE OF RIGHTS
201	WE ENERGIES-GAS	RELEASE OF RIGHTS
202	CITY OF WHITEWATER SAN. SEWER	RELEASE OF RIGHTS
203	CITY OF WHITEWATER STORM	RELEASE OF RIGHTS
204	CITY OF WHITEWATER WATER	RELEASE OF RIGHTS
205	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
206	AT&T	RELEASE OF RIGHTS

200	PARCEL 13 PARCELS 15,16 PARCEL 17	WE ENERGIES-ELECTRIC	V.647, P.5172, DOC.355824 V.61, P.330, DOC.644534 V.585, P.112, DOC.240234
201	PARCEL 6	WE ENERGIES-GAS	V.568, P.219, DOC.531506
202	PARCEL 13 PARCEL 18	CITY OF WHITEWATER SANITARY SEWER	V.598, P.569, DOC.554584 V.669, P.495, DOC.609225 DOC.739739
203	PARCEL 18	CITY OF WHITEWATER STORM WATER	DOC.739740
204	PARCEL 14 PARCEL 18	CITY OF WHITEWATER WATER MAIN	NO RECORDED EASEMENT DOC.739739
205	PARCEL 13 PARCEL 18	CHARTER COMMUNICATIONS	NO RECORDED EASEMENT DOC.739739
206	PARCEL 13	AT&T	NO RECORDED EASEMENT

GN

SCALE, FEET 0 50 100

SEC 415021
CENTER OF SECTION
BRASS CAP IN CONC
Y=424,970.15
X=718,360.84

T 4 N
3
R 15 E

SOUTH QUARTER LINE S00°52'10"W (2631.28')
1318.64'

SIXTEENTH LINE N89°27'38"E
764.90' TO STH 59 R/L
1307.13' TO SIXTEENTH LINE

T 4 N
3 3
10 10
R 15 E

SEC 415034
QUARTER CORNER
BRASS CAP IN CONC
Y=422,333.18
X=718,320.82

SEE 3110-02-21-4.03

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, WALWORTH COUNTY, NAD 83 (2007) ADJUSTMENT, USING WISCORS NETWORK.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICALLY ¾" REBAR AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE LATEST ACCESS/ DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED AS SHEET 2 OF 2 OF DOCUMENT 915298.

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, STEVEN L. SCHMIDT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF WHITEWATER, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN STEVEN L. SCHMIDT S-2813 ELKHORN WI LAND SURVEYOR

SIGNATURE: _____ DATE: 12/21/15
PRINT NAME: STEVEN L. SCHMIDT PLS
REGISTRATION NUMBER: S-2813

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF WHITEWATER

SIGNATURE: _____ DATE: 1/6/16
PRINT NAME: CAMERON CLAPPER CITY MANAGER

FILE NAME : N:\PDS\C3D\31100201\RW\4.02.DWG PLOT DATE : 12/18/2015 8:56 AM PLOT BY : SCHMIDT, STEVEN L PLOT NAME : PLOT SCALE : ==========

CONST. 3110-02-71 R/W 3110-02-21-4.02

918305

Cab U Slide 171

TRANSPORTATION PROJECT PLAT NO: 3110-02-21 - 4.03

THAT PART OF LOT 3, CSM 919, LOTS 1,2,3 CSM 1557, LOTS 3,4, CSM 4054 AND THAT PART OF THE SE1/4-SW1/4 SECTION 3, TOWN 4 NORTH RANGE 15 EAST, IN THE CITY OF WHITEWATER AND ALSO THAT PART OF THE SW1/4-SE1/4 SECTION 3, TOWN 4 NORTH, RANGE 15 EAST, IN THE TOWN OF WHITEWATER, WALWORTH COUNTY, WISCONSIN.

RELOCATION ORDER STH 59 NEWCOMB STREET TO SUNRISE LANE WALWORTH COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF WHITEWATER DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, AND 61.43(3), (3M). & 61.36, WISCONSIN STATUTES, THE CITY OF WHITEWATER HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY OF WHITEWATER FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF WHITEWATER, PURSUANT TO THE PROVISIONS OF SECTION 62.22, 61.34(3), (3M), & 61.36, WISCONSIN STATUTES.

Doc # 918305
Recorded
January 07, 2016 9:11 AM
FILED
DONNA R FRUESS
REGISTER OF DEEDS
WALWORTH COUNTY, WI
Fee Amount: $25.00
Total Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3110-02-21-4.03
AMENDMENT NO:___

SEE 3110-02-21-4.02

CITY

CSM 919 LOT 2

CSM 919 LOT 3 (22)

FEE 18SF/0.001A.
TLE 444SF/0.010A.

TLE FOR SLOPES

PC: 123+32.12

HE 119SF/0.003A.
TLE 728SF/0.017A.

(19) CSM 4054 LOT 3

HIGHWAY EASEMENT 0.003 A.

TLE FOR SLOPES

PT: 125+30.35

HE 61SF/0.001A.
TLE 2055SF/0.047A.

HIGHWAY EASEMENT 0.001 A. TLE FOR SLOPES AND A D/W

(20) CSM 4054 LOT 4

STH 59 R/L CURVE 3		CUR 3A	
PI	124+32.11	L	132.55'
Y	423161.40	R	646.36'
X	717808.44	LCH	132.32'
DELTA	18°38'20"	CB	S34°44'25"E
D	9°24'10"		
T	100.00'		
L	198.23'		
R	609.36'		
LCH	197.36'		
CB	S31°17'44"E		

FEE 617SF/0.014A.
EXRW 8602SF/0.197A.
TLE 2602SF/0.060A.

(23) TLE FOR SLOPES AND A D/W

SE-SW 3-4-15

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 59	S.S 82.31(2)	66'	
STH 59	C.S.M 919	66'	1979
STH 59	C.S.M. 1557	66'	1986
STH 59	C.S.M. 4054	VARIES	2007
SUNRISE LN	C.S.M. 1292	66'	1983

CSM 1557 LOT 1

BLDG

FEE 836SF/0.019A.
EXRW 18263SF/0.419A.
TLE 5824SF/0.134A.

TLE FOR SLOPES AND A D/W

CSM 1557 LOT 2

(21)

SEC 415021
CENTER OF SECTION
BRASS CAP IN CONC
Y=424,970.15
X=718,360.84

T 4 N
R 15 E
3

SOUTH QUARTER LINE S00°52'10"W (2637.28') STA 132+22.74 STH 59 R/L

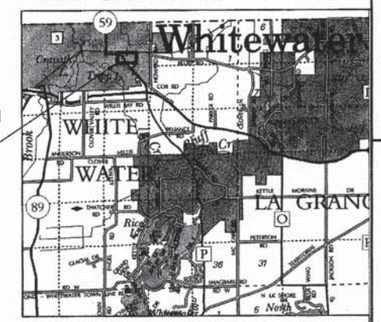
SW-SE 3-4-15

GN

SHEET LOCATION

SCALE, FEET 0 50 100

SHEET LOCATION NOT TO SCALE



UTILITY SCHEDULE & INTERESTS REQUIRED		
UTILITY NUMBER	OWNER	INTEREST REQUIRED
200	WE ENERGIES-ELECTRIC	RELEASE OF RIGHTS
201	WE ENERGIES-GAS	RELEASE OF RIGHTS
202	CITY OF WHITEWATER SAN. SEWER	RELEASE OF RIGHTS
203	CITY OF WHITEWATER STORM	RELEASE OF RIGHTS
204	CITY OF WHITEWATER WATER	RELEASE OF RIGHTS
205	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
206	AT&T	RELEASE OF RIGHTS

(200)	PARCELS 19,20	WE ENERGIES-ELECTRIC	DOC.739739
(201)	PARCELS 19,20 PARCEL 20	WE ENERGIES-GAS	DOC.739739 V.274, P.51, DOC.71921
(202)	PARCELS 19,20	CITY OF WHITEWATER SANITARY SEWER	DOC.739739
(203)	PARCELS 19,20	CITY OF WHITEWATER STORM WATER	DOC.739740
(204)	PARCELS 19,20	CITY OF WHITEWATER WATER MAIN	DOC.739739
(205)	PARCELS 19,20	CHARTER COMMUNICATIONS	DOC.739739
(206)	PARCELS 19,20	AT&T	DOC.739739

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	EXISTING	TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
19	CONVIENCE STORE INVESTMENTS	HE,TLE	0.003		0.003	0.017	
20	CITY OF WHITEWATER	HE,TLE	0.001		0.001	0.047	
21	RR WALTON & COMPANY, LTD	FEE,TLE	0.019	0.419	0.438	0.134	
22	HARRIET J. STRITZEL LIVING TRUST	FEE,TLE	0.001		0.001	0.010	
23	C. NYLE GERMUNDSON	FEE,TLE	0.014	0.197	0.211	0.060	
24	DALE F. & PATRICIA J. SNYDER	FEE,TLE		0.071	0.071	0.031	
25	MICHAEL S. MASON & BECKY S. HAHN	FEE,TLE	0.006	0.359	0.365	0.207	

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, WALWORTH COUNTY, NAD 83 (2007) ADJUSTMENT, USING WISCORS NETWORK.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICALLY ¾" REBAR AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE LATEST ACCESS/ DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED AS SHEET 2 OF 2 OF DOCUMENT 915298.

WHITEWATER

TLE FOR SLOPES AND A D/W (24)

EXRW 3108SF/0.071A.
TLE 1363SF/0.031A.

TLE FOR SLOPES AND A D/W (25)

FEE 261SF/0.006A.
EXRW 15640SF/0.359A.
TLE 9023SF/0.207A.

STH 59 R/L = C/L

CSM 1557 LOT 3

CSM 1292 LOT 1

BLDG

BLDG

WHITEWATER

OF

SUNRISE LANE 66'

SEC 415034
QUARTER CORNER
BRASS CAP IN CONC
Y=422,333.18
X=718,320.82

TOWN

SEE 3110-02-22-4.01

T 4 N
R 15 E
3 3
10 10
15

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, STEVEN L. SCHMIDT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF WHITEWATER, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN STEVEN L. SCHMIDT S-2813 ELKHORN WI LAND SURVEYOR

SIGNATURE: Steven Schmidt DATE: 12/21/15
PRINT NAME: STEVEN L. SCHMIDT PLS
REGISTRATION NUMBER: S-2813

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF WHITEWATER

SIGNATURE: _____ DATE: 1/6/16
PRINT NAME: CAMERON CLAPPER CITY MANAGER

FILE NAME : N:\PDS\C3D\31100201\RW\4.03.DWG PLOT DATE : 12/17/2015 3:13 PM PLOT BY : SCHMIDT, STEVEN L PLOT NAME : PLOT SCALE : **********

CONST. 3110-02-71 R/W 3110-02-21-4.03

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
PROJECT NO. 3110-02-22
ELKHORN ROAD CITY OF WHITEWATER
SUNRISE LANE TO COX ROAD
STH 59
WALWORTH COUNTY

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
FEE ACQUISITION AREA (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (HIGHWAY, PERMANENT LIMITED, OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
NATIONAL GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT

SECTION CORNER
NOTATION FOR COMBUSTABLE FLUIDS
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES
ELECTRIC POLE
TELEPHONE POLE
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)
ACCESS CONTROLLED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
BRIDGE

R/W MONUMENT
NON-MONUMENTED R/W POINT
FOUND IRON PIN
VALVE (GAS, WATER, ETC.)
SIGN
OFF-PREMISE SIGN
COMPENSABLE
NON-COMPENSABLE
PARCEL NUMBER
UTILITY NUMBER

CONVENTIONAL ABBREVIATIONS

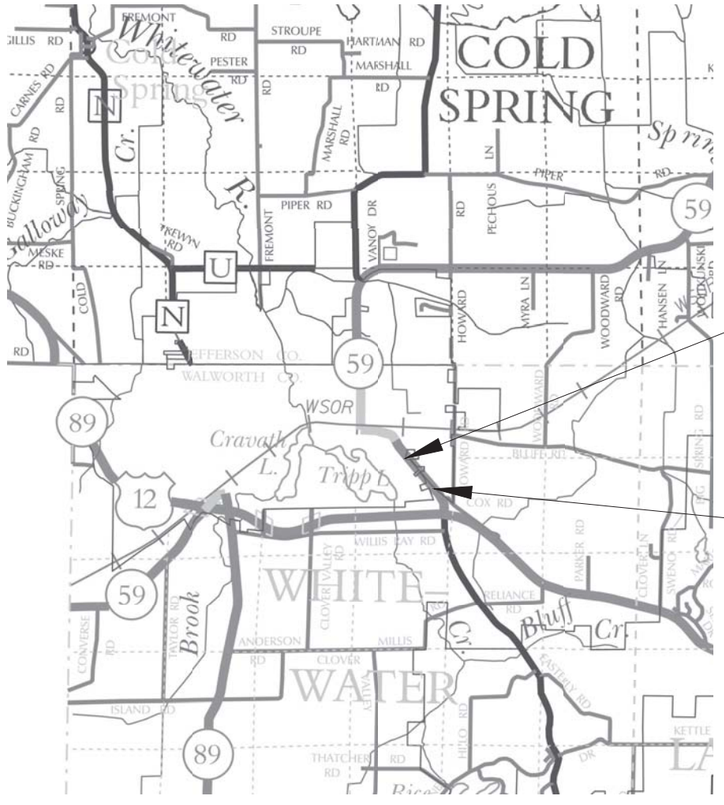
ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RIGHT	RT
CENTERLINE	C/L	RIGHT OF WAY	R/W
CERTIFIED SURVEY MAP	CSM	SECTION	SEC
CONCRETE	CONC	SEPTIC VENT	SEPV
COUNTY	CO	SQUARE FEET	SF
COUNTY TRUNK HIGHWAY	CTH	STATE TRUNK HIGHWAY	STH
DISTANCE	DIST	STATION	STA
CORNER	COR	SUBDIVISION	SUBD
DOCUMENT NUMBER	DOC	TANGENT	TAN
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		

CURVE DATA

LONG CHORD	LC
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	Δ
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

WATER	W
GAS	G
TELEPHONE	T
OVERHEAD TRANSMISSION LINES	OH
ELECTRIC	E
CABLE TELEVISION	TV
FIBER OPTIC	FO
SANITARY SEWER	SAN
STORM SEWER	SS



T 5 N

BEGIN PROJECT

END PROJECT

T 4 N

GN

R 15 E

LAYOUT
SCALE 0 0.4 MI.

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 3110-02-22

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, WALWORTH COUNTY, NAD83(2007), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

AN EASEMENT FOR HIGHWAY PURPOSES (HE), AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA, WI.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REQUIRED.

THIS IS A COPY. ORIGINAL DOCUMENT IS AT THE WALWORTH COUNTY REGISTER OF DEEDS.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3110-02-22 4. 01
SHEET 2 OF 2
AMENDMENT NO:

FILE NAME : N:\PDS\C3D\31100201\RW\22-TITLE.DWG
APPRAISAL PLAT DATE :
PLOT DATE : 12/14/2012 7:46 PM
PLOT BY : SCHMIDT, STEVEN L PLOT NAME : ----------
CONST. 3110-02-71 R/W 3110-02-22 4.01
LAYOUT NAME - ****

922940

Cab E Slide 7

TRANSPORTATION PROJECT PLAT NO: 3110-02-22 - 4.01
AMENDMENT NO. 1

AMENDS TRANSPORTATION PROJECT PLAT 3110-02-22-4.01 RECORDED AS DOCUMENT 913044 BY REVISING UTILITY NUMBER 201.

THAT PART OF LOT 1, CSM 503, LOT 1, CSM 1468, AND THAT PART OF THE SW1/4-SE1/4 SECTION 3, TOWN 4 NORTH, RANGE 15 EAST, IN THE TOWN OF WHITEWATER AND ALSO THAT PART OF THE NW1/4-NE1/4 SECTION 10, TOWN 4 NORTH, RANGE 15 EAST, IN THE CITY OF WHITEWATER, WALWORTH COUNTY, WISCONSIN.

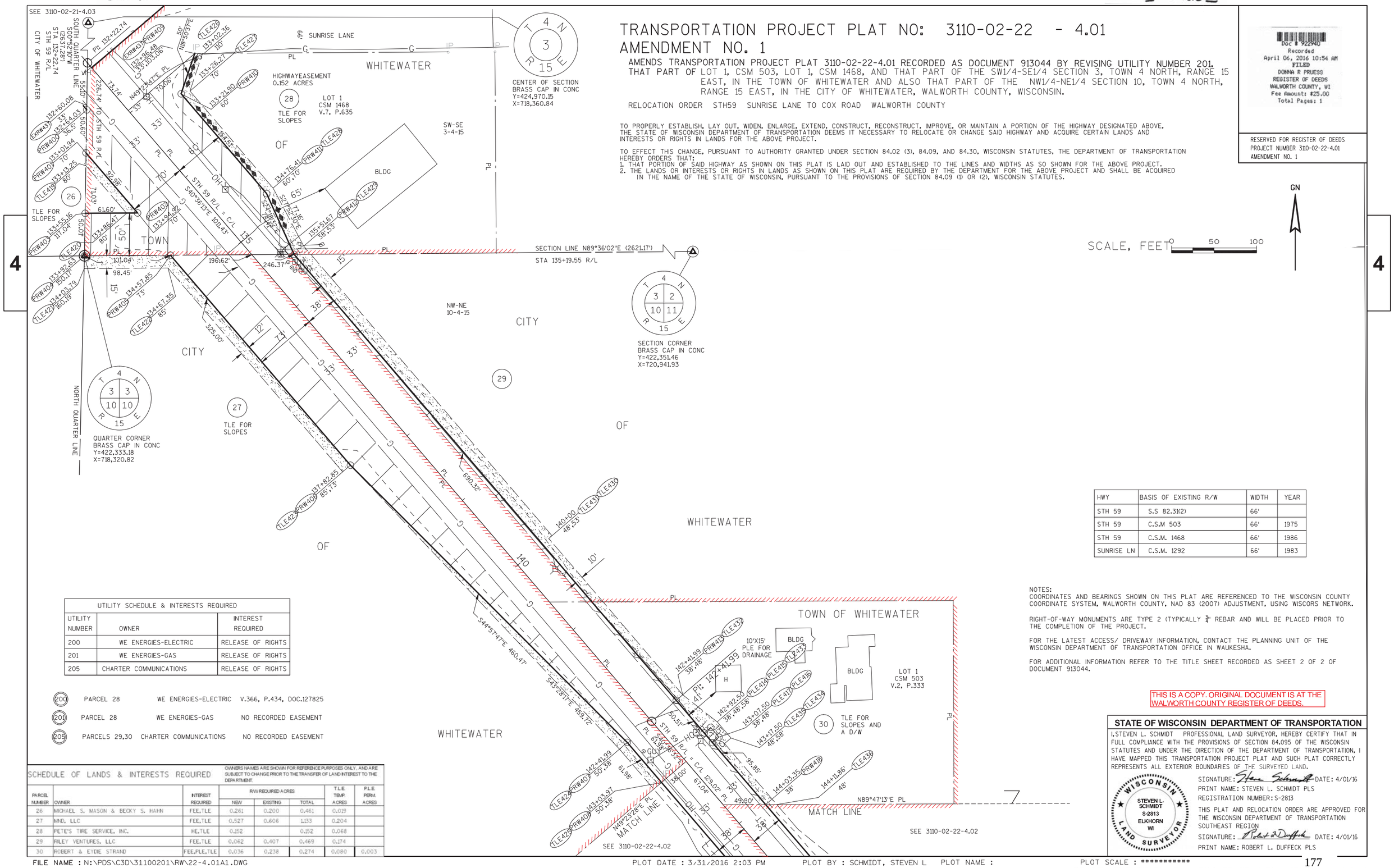
RELOCATION ORDER STH59 SUNRISE LANE TO COX ROAD WALWORTH COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

DOC # 922940
Recorded
April 06, 2016 10:54 AM
FILED
DONNA R PRUESS
REGISTER OF DEEDS
WALWORTH COUNTY, WI
Fee Amount: $25.00
Total Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3110-02-22-4.01
AMENDMENT NO. 1



SCALE, FEET 0 50 100

GN

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 59	S.S 82.31(2)	66'	
STH 59	C.S.M 503	66'	1975
STH 59	C.S.M. 1468	66'	1986
SUNRISE LN	C.S.M. 1292	66'	1983

UTILITY SCHEDULE & INTERESTS REQUIRED		
UTILITY NUMBER	OWNER	INTEREST REQUIRED
200	WE ENERGIES-ELECTRIC	RELEASE OF RIGHTS
201	WE ENERGIES-GAS	RELEASE OF RIGHTS
205	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS

(200) PARCEL 28 WE ENERGIES-ELECTRIC V.366, P.434, DOC.127825

(201) PARCEL 28 WE ENERGIES-GAS NO RECORDED EASEMENT

(205) PARCELS 29,30 CHARTER COMMUNICATIONS NO RECORDED EASEMENT

SCHEDULE OF LANDS & INTERESTS REQUIRED — OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	EXISTING	TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
26	MICHAEL S. MASON & BECKY S. HAHN	FEE,TLE	0.261	0.200	0.461	0.019	
27	MND, LLC	FEE,TLE	0.527	0.606	1.133	0.204	
28	PETE'S TIRE SERVICE, INC.	FEE,TLE	0.152		0.152	0.068	
29	RILEY VENTURES, LLC	FEE,TLE	0.062	0.407	0.469	0.174	
30	ROBERT & EYDIE STRAND	FEE,PLE,TLE	0.036	0.238	0.274	0.080	0.003

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, WALWORTH COUNTY, NAD 83 (2007) ADJUSTMENT, USING WISCORS NETWORK.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICALLY ¾" REBAR AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE LATEST ACCESS/ DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED AS SHEET 2 OF 2 OF DOCUMENT 913044.

THIS IS A COPY. ORIGINAL DOCUMENT IS AT THE WALWORTH COUNTY REGISTER OF DEEDS.

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, STEVEN L. SCHMIDT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN STEVEN L. SCHMIDT S-2813 ELKHORN WI LAND SURVEYOR

SIGNATURE: _____ DATE: 4/01/16
PRINT NAME: STEVEN L. SCHMIDT PLS
REGISTRATION NUMBER: S-2813

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION

SIGNATURE: _____ DATE: 4/01/16
PRINT NAME: ROBERT L. DUFFECK PLS

LAB D SLIDE 181

TRANSPORTATION PROJECT PLAT NO: 3110-02-22 - 4.01

THAT PART OF LOT 1, CSM 503, LOT 1, CSM 1468, AND THAT PART OF THE SW1/4-SE1/4 SECTION 3, TOWN 4 NORTH, RANGE 15 EAST, IN THE TOWN OF WHITEWATER AND ALSO THAT PART OF THE NW1/4-NE1/4 SECTION 10, TOWN 4 NORTH, RANGE 15 EAST, IN THE CITY OF WHITEWATER, WALWORTH COUNTY, WISCONSIN.

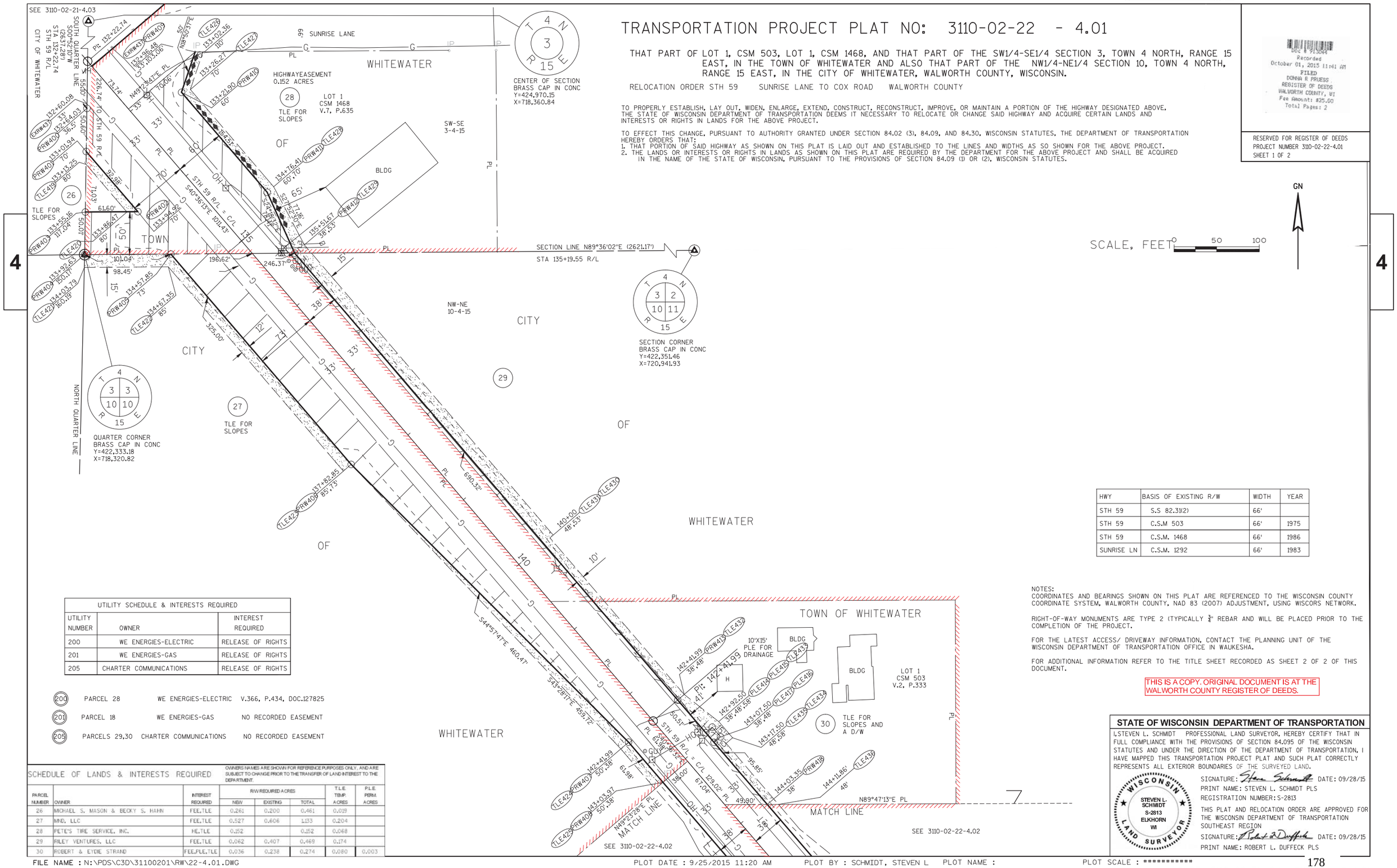
RELOCATION ORDER STH 59 SUNRISE LANE TO COX ROAD WALWORTH COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Doc # 913044
Recorded
October 01, 2015 11:41 AM
FILED
DONNA R PRUESS
REGISTER OF DEEDS
WALWORTH COUNTY, WI
Fee Amount: $25.00
Total Pages: 2

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3110-02-22-4.01
SHEET 1 OF 2



SCALE, FEET 0 50 100

GN

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 59	S.S 82.31(2)	66'	
STH 59	C.S.M 503	66'	1975
STH 59	C.S.M. 1468	66'	1986
SUNRISE LN	C.S.M. 1292	66'	1983

UTILITY SCHEDULE & INTERESTS REQUIRED		
UTILITY NUMBER	OWNER	INTEREST REQUIRED
200	WE ENERGIES-ELECTRIC	RELEASE OF RIGHTS
201	WE ENERGIES-GAS	RELEASE OF RIGHTS
205	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS

200 PARCEL 28 WE ENERGIES-ELECTRIC V.366, P.434, DOC.127825

201 PARCEL 18 WE ENERGIES-GAS NO RECORDED EASEMENT

205 PARCELS 29,30 CHARTER COMMUNICATIONS NO RECORDED EASEMENT

SCHEDULE OF LANDS & INTERESTS REQUIRED — OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	EXISTING	TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
26	MICHAEL S. MASON & BECKY S. HAHN	FEE,TLE	0.261	0.200	0.461	0.019	
27	MND, LLC	FEE,TLE	0.527	0.606	1.133	0.204	
28	PETE'S TIRE SERVICE, INC.	ME,TLE	0.152		0.152	0.068	
29	RILEY VENTURES, LLC	FEE,TLE	0.062	0.407	0.469	0.174	
30	ROBERT & EYDIE STRAND	FEE,PLE,TLE	0.036	0.238	0.274	0.080	0.003

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, WALWORTH COUNTY, NAD 83 (2007) ADJUSTMENT, USING WISCORS NETWORK.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICALLY ¾" REBAR AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE LATEST ACCESS/ DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED AS SHEET 2 OF 2 OF THIS DOCUMENT.

THIS IS A COPY. ORIGINAL DOCUMENT IS AT THE WALWORTH COUNTY REGISTER OF DEEDS.

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, STEVEN L. SCHMIDT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN STEVEN L. SCHMIDT S-2813 ELKHORN WI LAND SURVEYOR

SIGNATURE: Steven Schmidt DATE: 09/28/15
PRINT NAME: STEVEN L. SCHMIDT PLS
REGISTRATION NUMBER: S-2813

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION
SIGNATURE: Robert L Duffeck DATE: 09/28/15
PRINT NAME: ROBERT L. DUFFECK PLS

FILE NAME : N:\PDS\C3D\31100201\RW\22-4.01.DWG PLOT DATE : 9/25/2015 11:20 AM PLOT BY : SCHMIDT, STEVEN L PLOT NAME : PLOT SCALE : **********

CAB D SLIDE 183

TRANSPORTATION PROJECT PLAT NO: 3110-02-22 - 4.02

THAT PART OF THE NW1/4-NE1/4, NE1/4-NE1/4, AND THE SE1/4-NE1/4 OF SECTION 10, TOWN 4 NORTH RANGE 15 EAST, IN THE CITY OF WHITEWATER AND ALSO THAT PART OF LOT 1, CSM 520, AND THAT PART OF THE NW1/4-NE1/4, SW1/4-NE1/4, AND THE SE1/4-NE1/4 OF SECTION 10, TOWN 4 NORTH, RANGE 15 EAST, IN THE TOWN OF WHITEWATER, WALWORTH COUNTY, WISCONSIN.

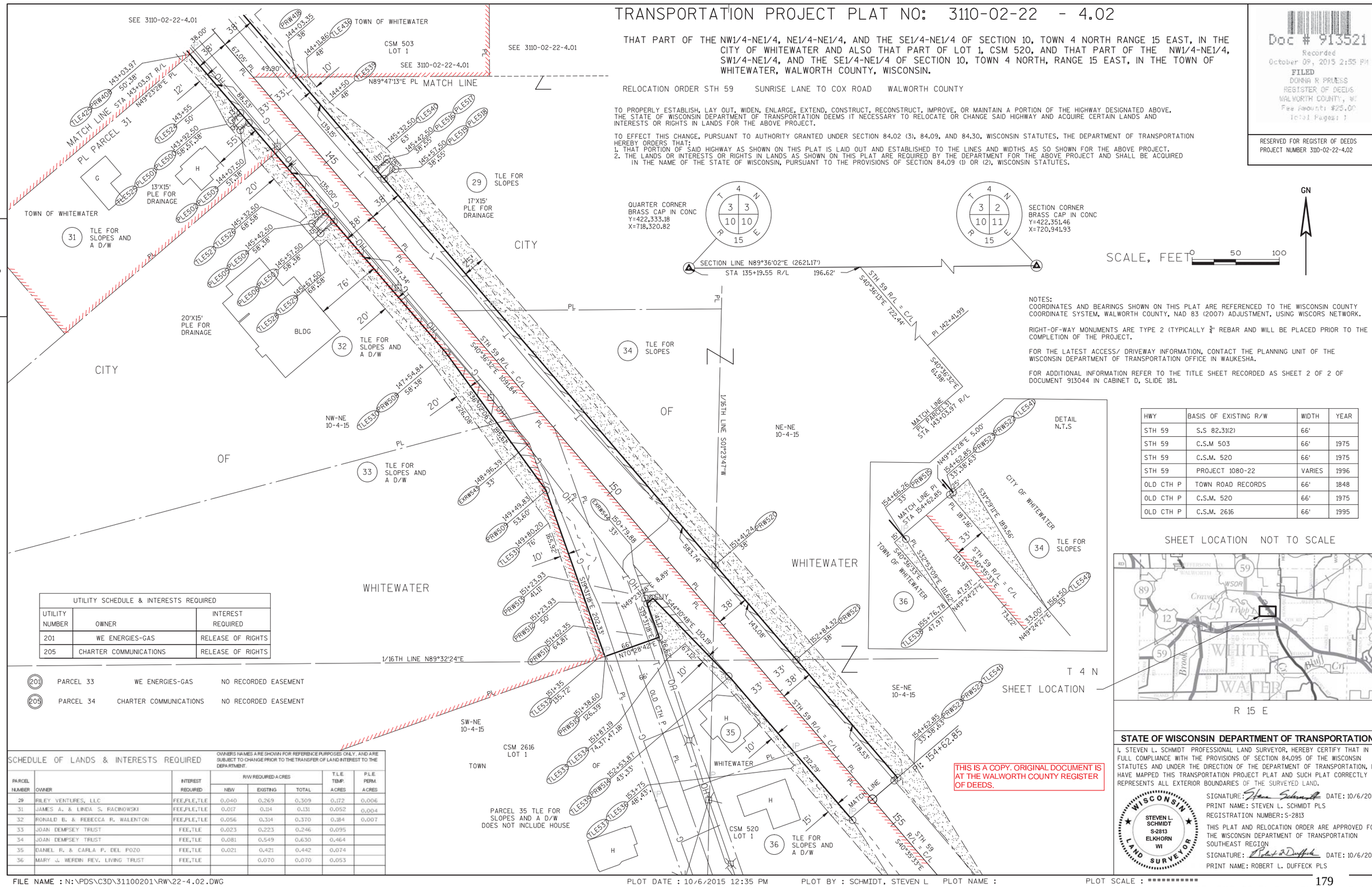
RELOCATION ORDER STH 59 SUNRISE LANE TO COX ROAD WALWORTH COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Doc # 913521
Recorded
October 09, 2015 2:55 PM
FILED
DONNA R PRUESS
REGISTER OF DEEDS
WALWORTH COUNTY, WI
Fee Amount: $25.00
Total Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3110-02-22-4.02



NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, WALWORTH COUNTY, NAD 83 (2007) ADJUSTMENT, USING WISCORS NETWORK.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICALLY ¾" REBAR AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE LATEST ACCESS/ DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED AS SHEET 2 OF 2 OF DOCUMENT 913044 IN CABINET D, SLIDE 181.

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 59	S.S 82.31(2)	66'	
STH 59	C.S.M 503	66'	1975
STH 59	C.S.M. 520	66'	1975
STH 59	PROJECT 1080-22	VARIES	1996
OLD CTH P	TOWN ROAD RECORDS	66'	1848
OLD CTH P	C.S.M. 520	66'	1975
OLD CTH P	C.S.M. 2616	66'	1995

SHEET LOCATION NOT TO SCALE

T 4 N
R 15 E

UTILITY SCHEDULE & INTERESTS REQUIRED		
UTILITY NUMBER	OWNER	INTEREST REQUIRED
201	WE ENERGIES-GAS	RELEASE OF RIGHTS
205	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS

201	PARCEL 33	WE ENERGIES-GAS	NO RECORDED EASEMENT
205	PARCEL 34	CHARTER COMMUNICATIONS	NO RECORDED EASEMENT

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	EXISTING	TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
29	RILEY VENTURES, LLC	FEE,PLE,TLE	0.040	0.269	0.309	0.172	0.006
31	JAMES A. & LINDA S. RACINOWSKI	FEE,PLE,TLE	0.017	0.114	0.131	0.052	0.004
32	RONALD B. & REBECCA R. WALENTON	FEE,PLE,TLE	0.056	0.314	0.370	0.184	0.007
33	JOAN DEMPSEY TRUST	FEE,TLE	0.023	0.223	0.246	0.095	
34	JOAN DEMPSEY TRUST	FEE,TLE	0.081	0.549	0.630	0.464	
35	DANIEL R. & CARLA P. DEL POZO	FEE,TLE	0.021	0.421	0.442	0.074	
36	MARY J. WERDIN REV. LIVING TRUST	FEE,TLE		0.070	0.070	0.053	

THIS IS A COPY. ORIGINAL DOCUMENT IS AT THE WALWORTH COUNTY REGISTER OF DEEDS.

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, STEVEN L. SCHMIDT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN STEVEN L. SCHMIDT S-2813 ELKHORN WI LAND SURVEYOR

SIGNATURE: Steven Schmidt DATE: 10/6/2015
PRINT NAME: STEVEN L. SCHMIDT PLS
REGISTRATION NUMBER: S-2813

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION

SIGNATURE: Robert L Duffeck DATE: 10/6/2015
PRINT NAME: ROBERT L. DUFFECK PLS

760 E. MILWAUKEE STREET
834 E. MILWAUKEE STREET
844 E. MILWAUKEE STREET
906 E. MILWAUKEE STREET
912 E. MILWAUKEE STREET
920 E. MILWAUKEE STREET
928 E. MILWAUKEE STREET
803 E. MILWAUKEE STREET
821 E. MILWAUKEE STREET
831 E. MILWAUKEE STREET
917 E. MILWAUKEE STREET
723 E. MILWAUKEE STREET
731 E. MILWAUKEE STREET
755 E. MILWAUKEE STREET
757 E. MILWAUKEE STREET

STH 59
CONC.
TAFT ST.
WILLARD ST.
RICE ST.
EXISTING RW
TLE
SI
CP705
PC: 108+57.24
PI: 109+82.24
PT: 111+06.84
PI: 114+17.10
SB-1
SB-2
SB-3
SB-4

BEGIN RECONSTRUCTION
3110-02-71
STA. 102+75

LEGEND
APPROXIMATE LIMITS OF EXCAVATION HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL

VPC STA 102+05.00 VPC EL 832.96
VPI STA 102+50.00 VPI EL 833.45
VPT STA 102+95.00 VPT EL 833.72
VPC STA 106+04.12 VPC EL 835.61
VPI STA 106+83.13 VPI EL 836.09
VPT STA 107+62.14 VPT EL 834.38
HIGH POINT STA 106+38.80 HIGH POINT EL 835.71
VPC STA 108+11.47 VPC EL 833.31
VPI STA 109+51.31 VPI EL 830.48
VPT STA 110+91.16 VPT EL 830.98
LOW POINT STA 110+38.66 LOW POINT EL 830.85
VPC STA 110+97.14 VPC EL 831.01
HIGH POINT STA 111+42.14 HIGH POINT EL 831.12
VPI STA 111+42.14 VPI EL 831.24
VPT STA 111+87.14 VPT EL 831.01
VPC STA 115+91.12 VPC EL 828.99
LOW POINT STA 116+83.62 LOW POINT EL 828.76

VCL = 279.69
K = 105.00
VCL = 400.11
K = 185.00
VCL = 90.00
K = 190.91
VCL = 158.02
K = 57.00
VCL = 90.00
K = 90.00

0.61%
-2.16%
0.50%
-0.50%

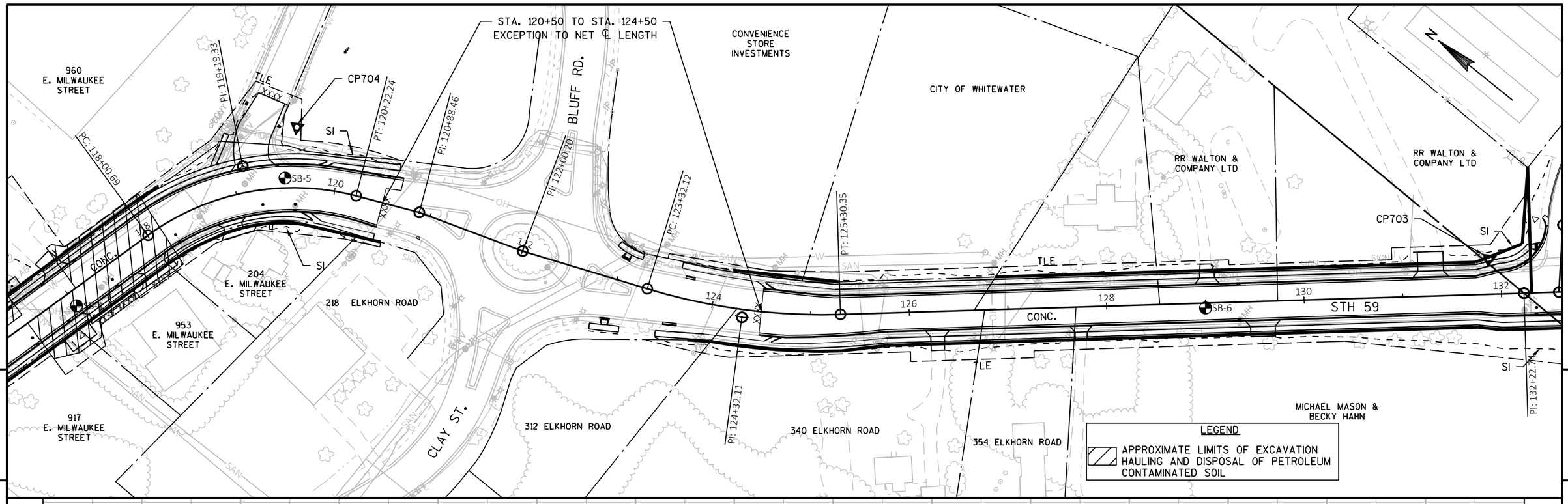
FINISHED PROFILE AT STH 59 ℄
EXISTING PROFILE AT STH 59 ℄
ROCK SURFACE

EXISTING PROFILE ELEVATIONS
FINISHED PROFILE ELEVATIONS

102+00	102+50	103+00	103+50	104+00	104+50	105+00	105+50	106+00	106+50	107+00	107+50	108+00	108+50	109+00	109+50	110+00	110+50	111+00	111+50	112+00	112+50	113+00	113+50	114+00	114+50	115+00	115+50	116+00	116+50	117+00
833.02	833.38	833.80	833.92	834.22	834.54	834.79	835.18	835.52	835.77	835.46	834.63	833.49	832.40	831.74	831.38	831.35	831.01	830.79	830.69	830.60	830.50	830.47	830.45	830.08	829.79	829.61	829.41	829.14	829.16	829.17
832.91	833.40	833.75	834.06	834.36	834.67	834.97	835.28	835.58	835.70	835.38	834.63	833.56	832.55	831.77	831.23	830.92	830.86	831.03	831.12	830.95	830.70	830.45	830.20	829.95	829.70	829.45	829.20	828.95	828.79	828.77

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PLAN AND PROFILE:	SHEET 180	E

FILE NAME : N:\PDS\C3D\CAD\31100201\050101_PP.DWG
LAYOUT NAME - 050101_pp
PLOT DATE : 10/11/2017 2:02 PM
PLOT BY : GUENETTE, JEFFREY J
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PLAN AND PROFILE:	SHEET 181	E

FILE NAME : N:\PDS\C3D\CAD\31100201\050101_PP.DWG
LAYOUT NAME - 050102_pp

PLOT DATE : 10/11/2017 2:02 PM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

PETE'S TIRE SERVICE, INC.
SUNRISE LN.
RILEY VENTURES, LLC
ROBERT & EYDIE STRAND
RILEY VENTURES, LLC
CP703
STA. 132+58
SIGN
SI
TLE
RW
PI: 142+41.99
XX
PLE
XXX
SB-7
SB-8
SB-9
CONC.
STH 59
132
134
136
138
140
142
144
146
TLE
RW
PI: 132+22.74
REMOVING OLD STRUCTURE STA 134+32
2'X2' CONCRETE BOX CULVERT
WITH 18" CMCP EXTENSIONS
WETLAND
BOUNDARY
MICHAEL MASON &
BECKY HAHN
MND, LLC
CP702
JAMES & LINDA
RACINOWSKI
RONALD & REBECCA
WALENTON
SLAB
5
5

LEGEND

APPROXIMATE LIMITS OF EXCAVATION HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL

855
850
845
840
835
830
825
820

VCL = 351.27
K = 150.00
VPC STA 134+69.28
VPC EL 834.54
LOW POINT STA 135+44.50
LOW POINT EL 834.35
VPI STA 136+44.92
VPI EL 833.66
VPT STA 138+20.56
VPT EL 836.89
FINISHED PROFILE
AT STH 59 ℄
1.84%
-0.50%
EXISTING PROFILE
AT STH 59 ℄
ROCK SURFACE
VPC STA 142+91.79
VPC EL 845.56
VPI STA 143+81.19
VPI EL 847.21
VPT STA 144+70.60
VPT EL 847.68
VCL = 178.80
K = 136.00
EXISTING PROFILE ELEVATIONS
FINISHED PROFILE ELEVATIONS

| | | |

RILEY VENTURES, LLC

JOAN DEMPSEY TRUST

STA. 150+76

SI

TLE

RW

PI: 154+62.85

CP701

EXISTING RW

PC: 159+74.18

SIGN

148 150 152 154 156 158 160 162

SB-10 SB-11 SB-12

CONC.

HMA

STH 59

RW

TLE

DANIEL & CARLA DEL POZO

MARY WERDIN REV. LIVING TRUST

OLD COUNTY P

RONALD & REBECCA WALENTON

JOAN DEMPSEY TRUST

5

5

LEGEND

APPROXIMATE LIMITS OF EXCAVATION HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL

VCL = 135.48

K = 118.50

VPC STA 150+11.78 VPC EL 850.52

VPI STA 151+55.32 VPI EL 851.28

VPT STA 152+98.86 VPT EL 850.56

LOW POINT STA 153+58.78 LOW POINT EL 850.41

STA 155+25.00 EL 851.23

END RECONSTRUCTION
BEGIN RESURFACE
STA. 155+25

EXISTING PROFILE AT STH 59 ℄

FINISHED PROFILE AT STH 59 ℄

0.53%

-0.50%

0.64%

HIGH POINT STA 151+58.48 HIGH POINT EL 850.91

VPC STA 152+99.17 VPC EL 850.56

VPI STA 153+66.92 VPI EL 850.21

VPT STA 154+34.66 VPT EL 850.65

ROCK SURFACE

VCL = 287.07

K = 279.07

EXISTING PROFILE ELEVATIONS

FINISHED PROFILE ELEVATIONS

865 860 855 850 845 840 835 830

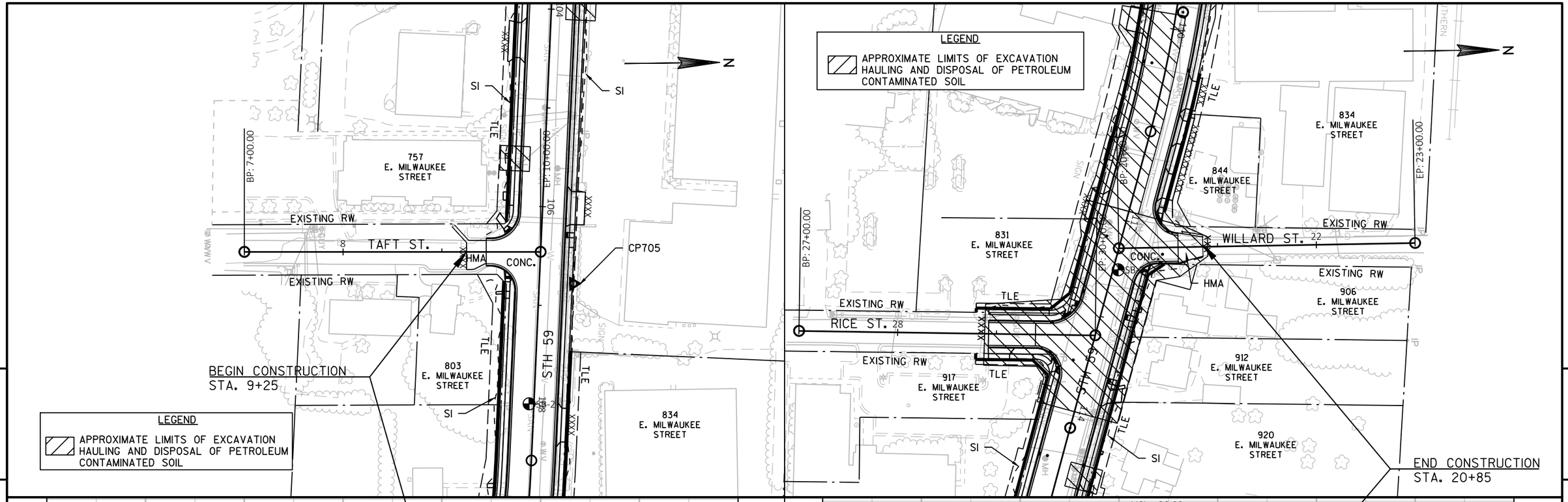
848.81 848.89 849.12 849.15 849.39 849.41 849.66 849.67 849.99 849.94 850.24 850.20 850.48 850.46 850.62 850.70 850.83 850.85 850.83 850.91 850.77 850.88 850.67 850.76 850.83 850.55 850.66 850.41 850.63 850.48 850.88 850.75 850.86 851.07 851.01 851.19 850.99 851.48 851.76 852.11 852.51 852.67 852.91 853.03 852.76 852.54 852.23 851.90

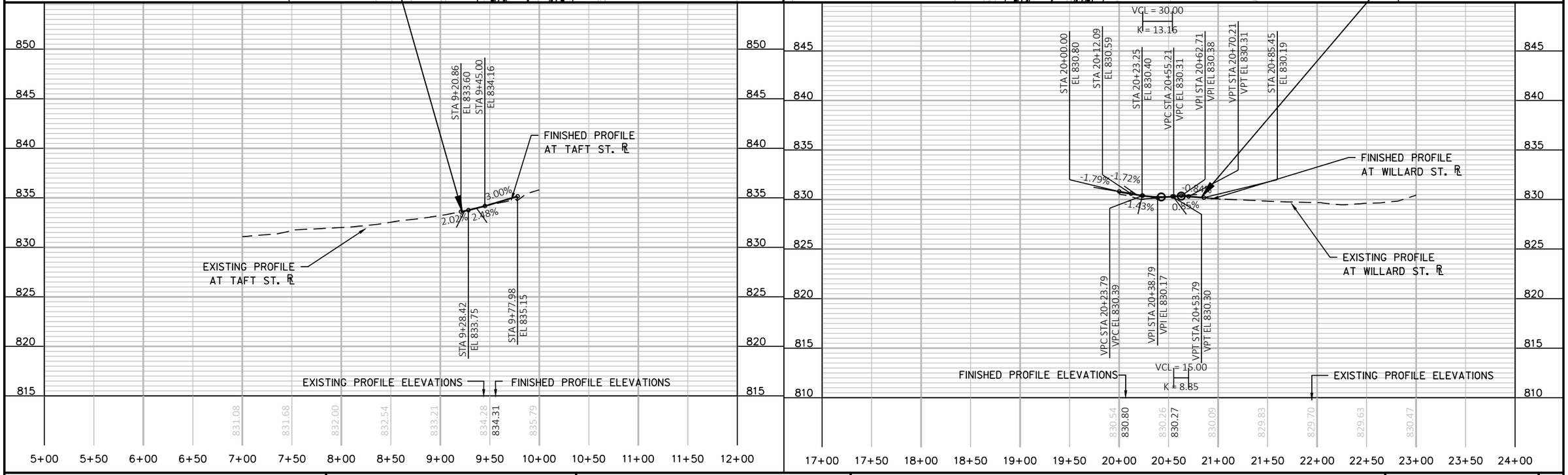
147+00 147+50 148+00 148+50 149+00 149+50 150+00 150+50 151+00 151+50 152+00 152+50 153+00 153+50 154+00 154+50 155+00 155+50 156+00 156+50 157+00 157+50 158+00 158+50 159+00 159+50 160+00 160+50 161+00 161+50 162+00

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PLAN AND PROFILE:	SHEET 183	E

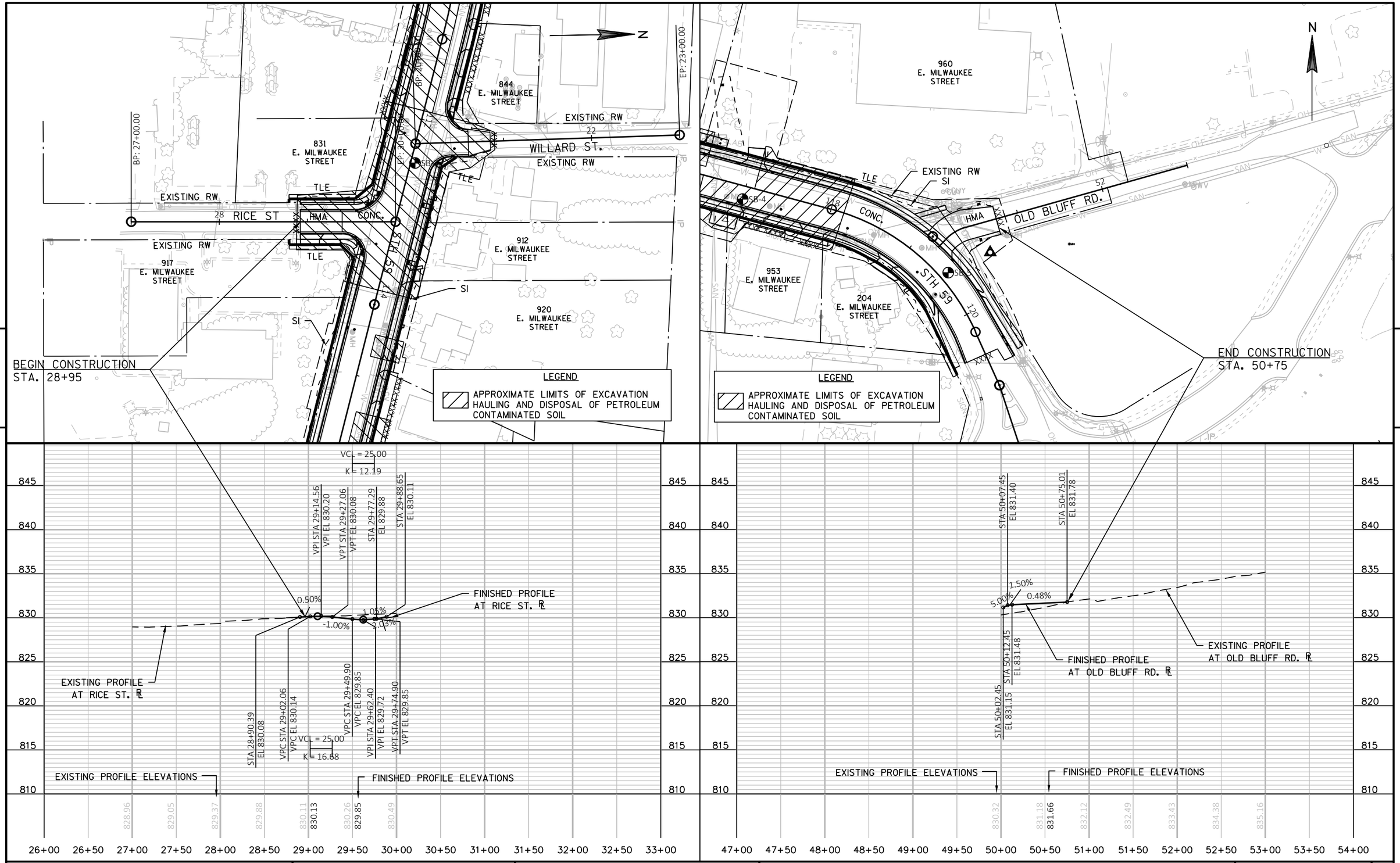
FILE NAME : N:\PDS\C3D\CAD\31100201\050101_PP.DWG
LAYOUT NAME - 050104_pp

PLOT DATE : 10/11/2017 2:02 PM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:100 FT





PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PLAN AND PROFILE: TAFT ST. AND WILLARD ST.	SHEET 184	E



5

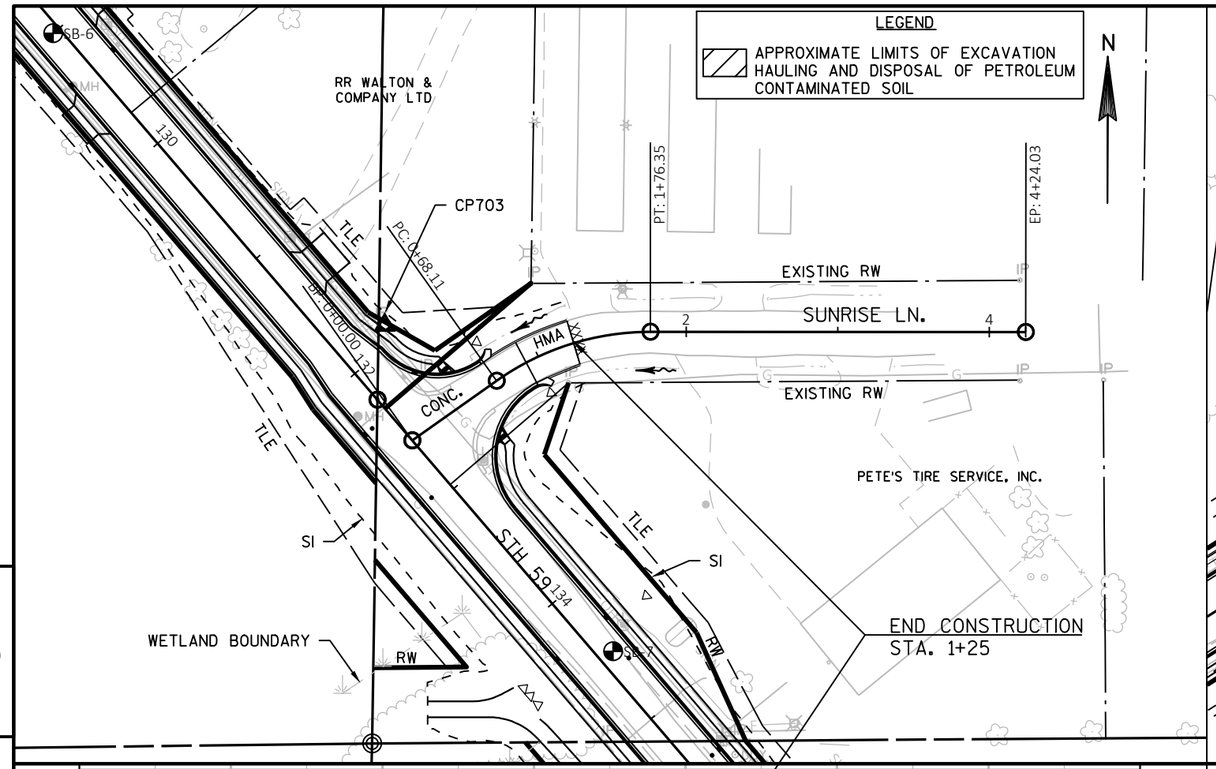
5

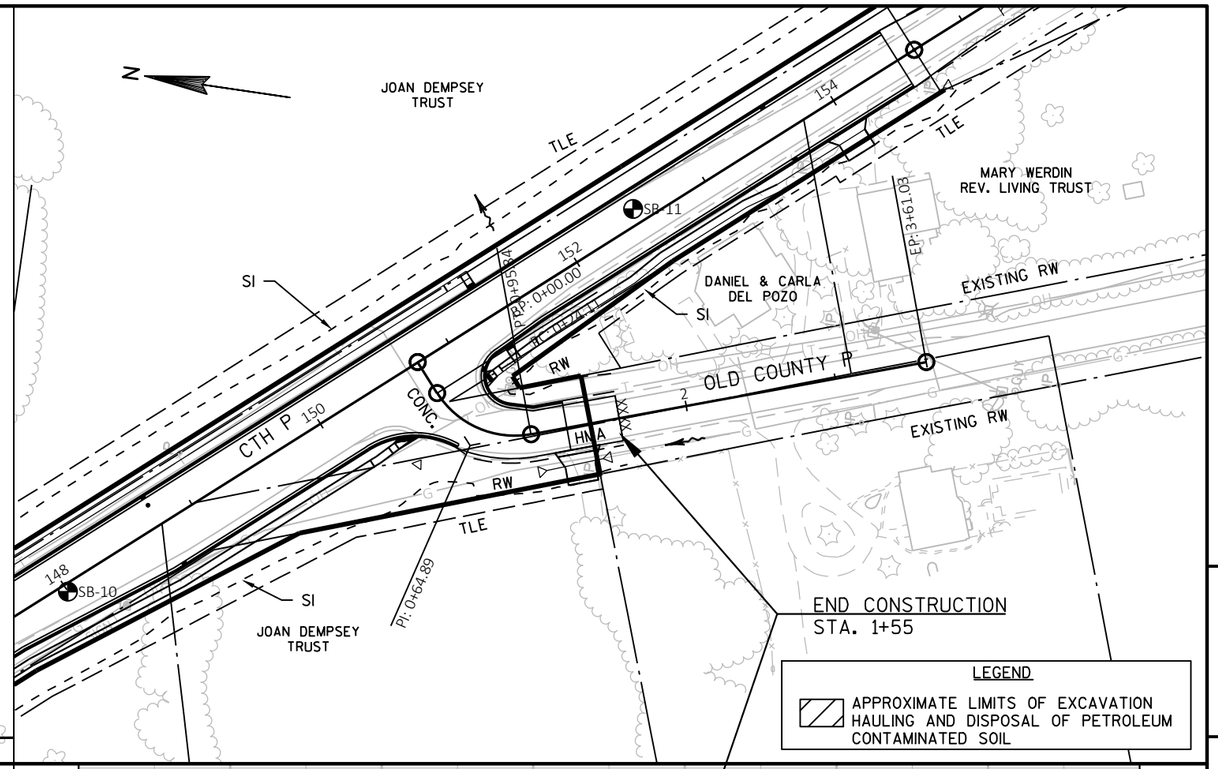
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PLAN AND PROFILE: RICE ST. AND OLD BLUFF RD.	SHEET 185	E

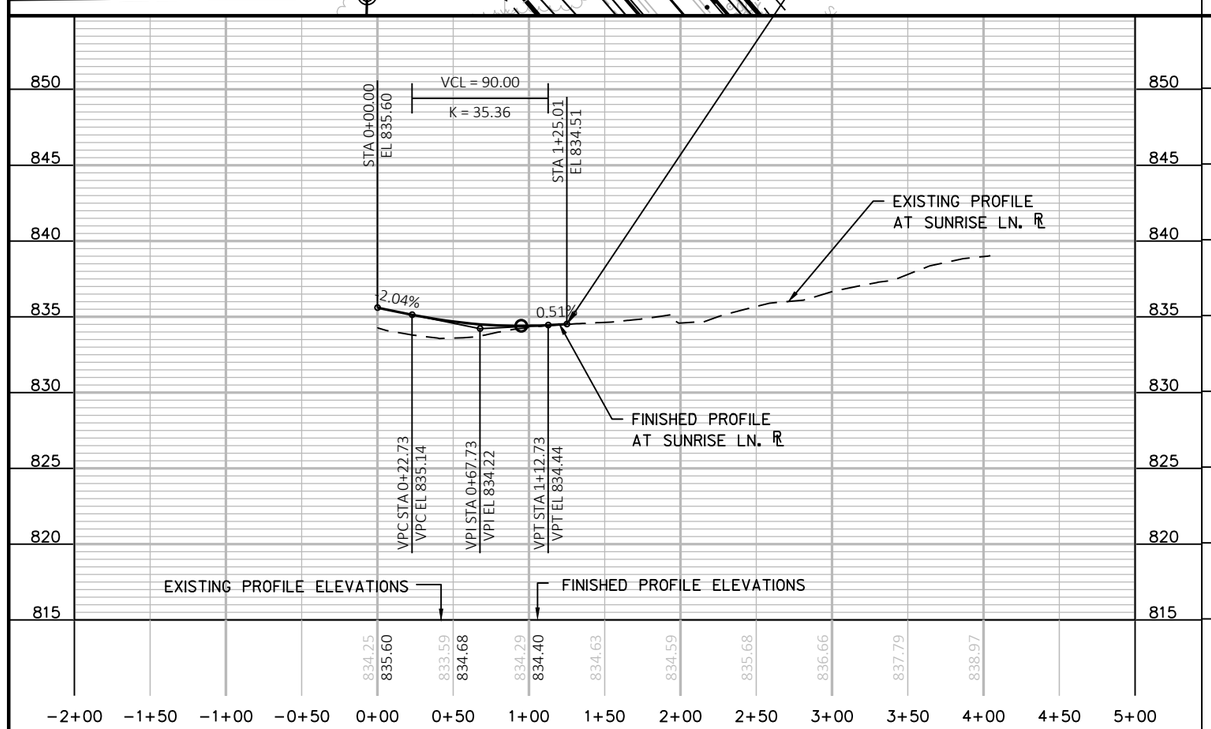
FILE NAME : N:\PDS\C3D\CAD\31100201\050105_PP.DWG
LAYOUT NAME - 050106_pp

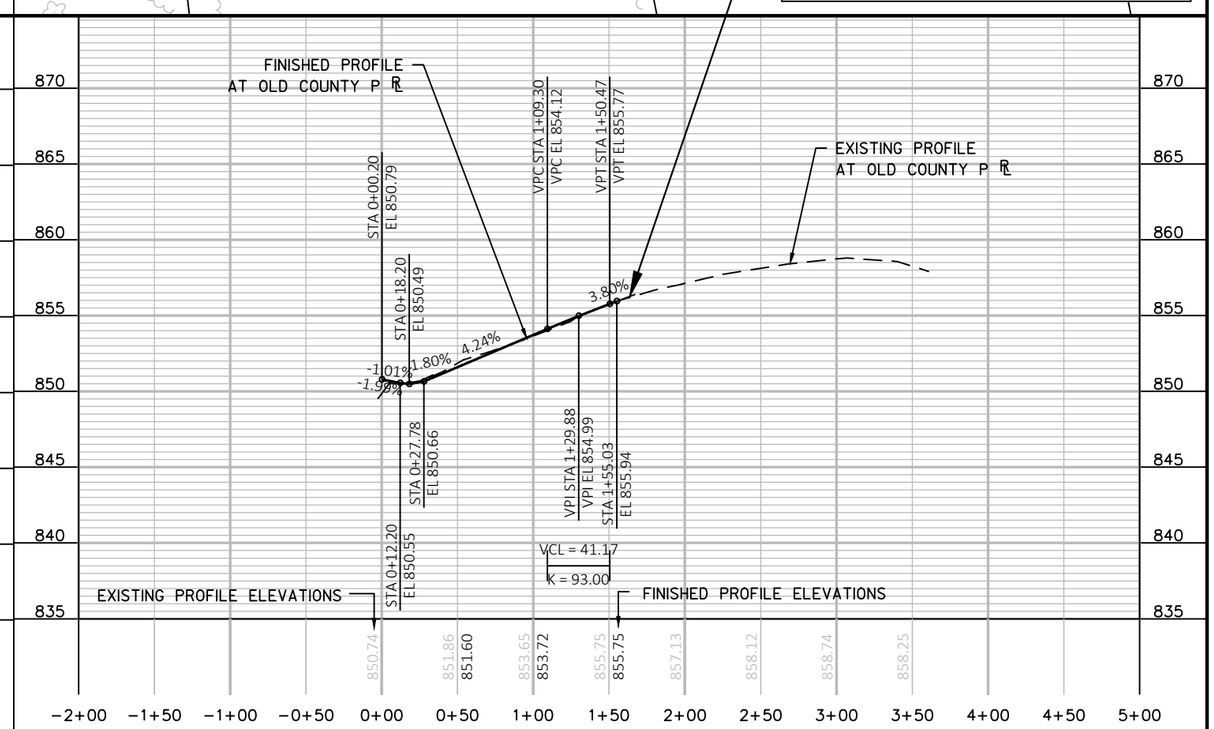
PLOT DATE : 11/8/2017 10:37 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44









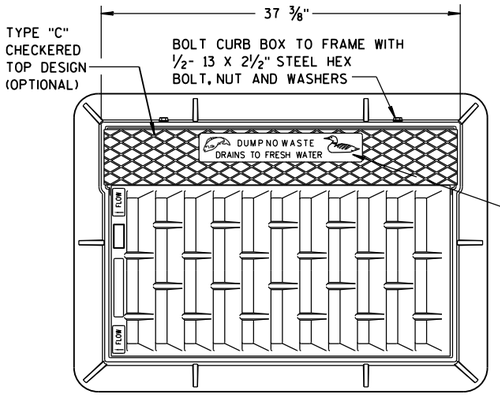
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PLAN AND PROFILE: SUN RISE LN. AND OLD COUNTY P	SHEET 186	E

FILE NAME : N:\PDS\C3D\CAD\31100201\050105_PP.DWG
LAYOUT NAME - 050107_pp
PLOT DATE : 11/8/2017 10:37 AM
PLOT BY : GUENETTE, JEFFREY J
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

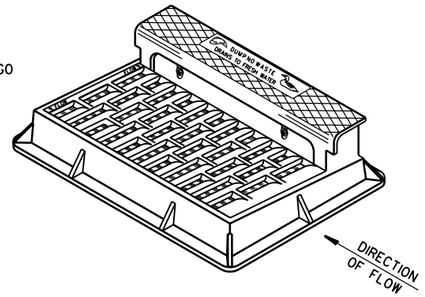
Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A08-02	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08A09-02	CATCH BASINS 2X3-FT AND 2.5X3-FT
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-20A	CONCRETE CURB & GUTTER
08D01-20B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-19A	CURB RAMPS TYPES 1 AND 1-A
08D05-19B	CURB RAMPS TYPES 2 AND 3
08D05-19C	CURB RAMPS TYPES 4A AND 4A1
08D05-19D	CURB RAMPS TYPE 4B AND 4B1
08D05-19E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-19F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-19G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09B02-10	CONDUIT
09B04-11	PULL BOX
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
13A03-06	CONCRETE PAVEMENT SHOULDERS
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-09	URBAN DOWELED CONCRETE PAVEMENT
13C18-06A	CONCRETE PAVEMENT JOINTING
13C18-06B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-06C	CONCRETE PAVEMENT JOINT TYPES
13C18-06D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-04	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-04	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-04	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-14B	PAVEMENT MARKING WORDS
15C07-14C	PAVEMENT MARKING ARROWS
15C08-18A	LONGITUDINAL MARKING (MAINLINE)
15C08-18B	PAVEMENT MARKING (TURN LANES)
15C11-07A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-06	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C19-05A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C27-02A	DOUBLE ARROW WARNING SIGN PLACEMENT
15C33-03	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-02A	PAVEMENT MARKING (INTERSECTIONS)
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-03A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-03B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-03C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D39-01	TRAFFIC CONTROL, DROP-OFF SIGNING
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING

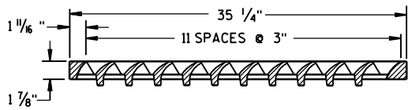
6

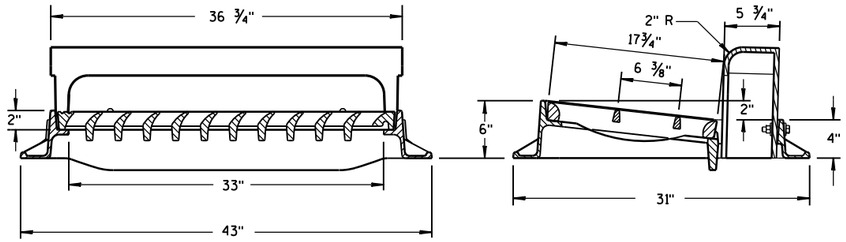


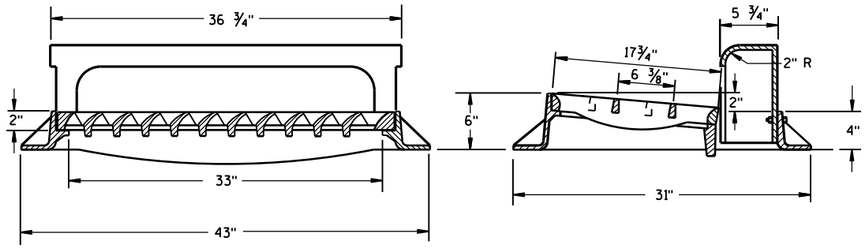
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

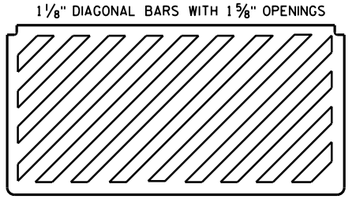






TYPE "H"

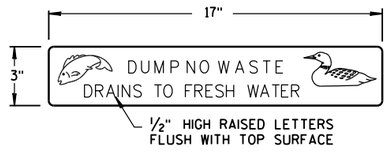
NOTE: EITHER CASTING IS ACCEPTABLE



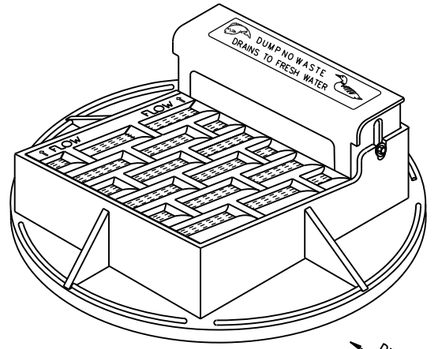
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

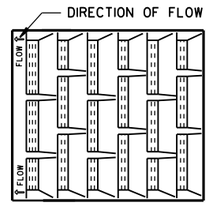
NOTE:
GRATE IS REVERSIBLE.

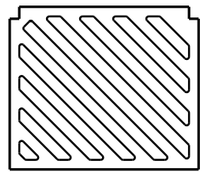
GENERAL NOTES

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

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

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

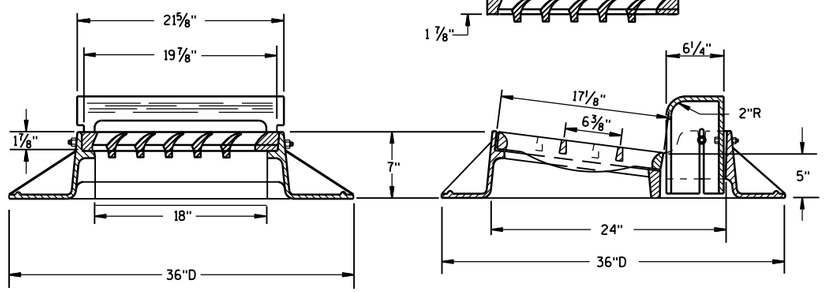




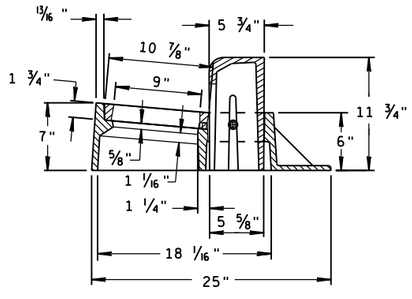
SPECIAL GRATE FOR TYPE "A" COVER

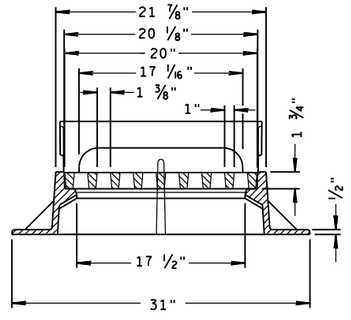
(MEASURES 19 3/4" X 17" X 1 7/8")

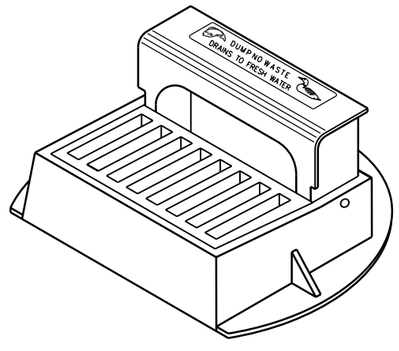
(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "A"







TYPE "Z"

INLET COVERS
TYPE A, H, A-S, H-S & Z

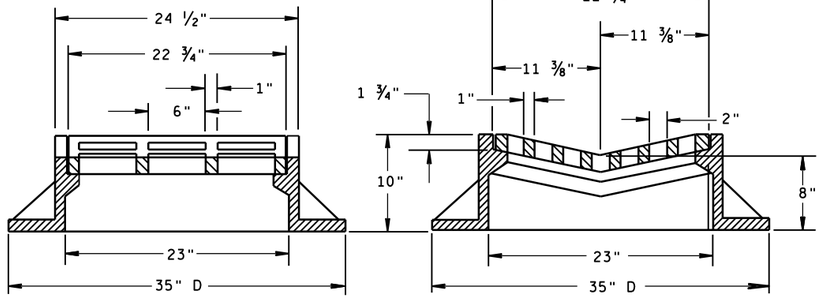
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

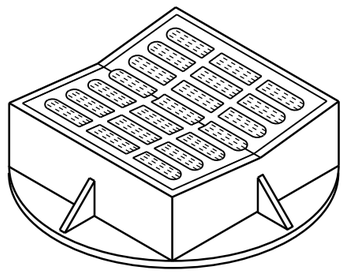
APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER

FHWA

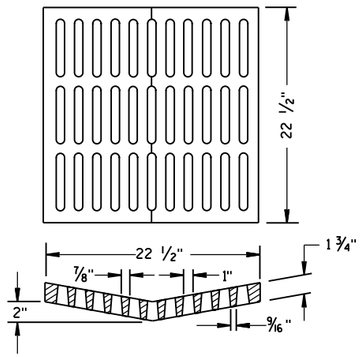
6

S.D.D. 8 A 5-19a



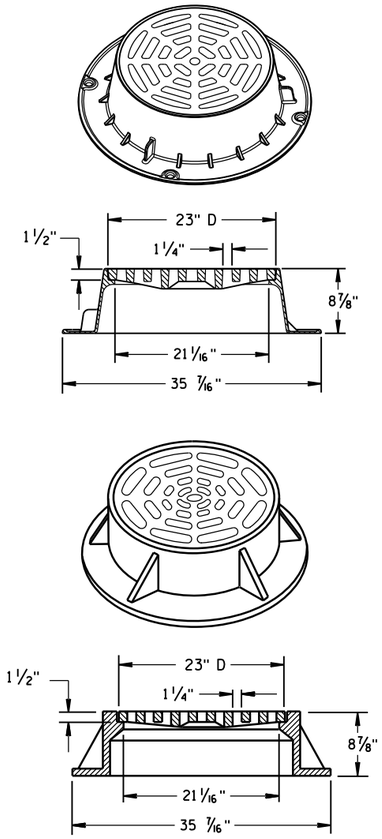


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

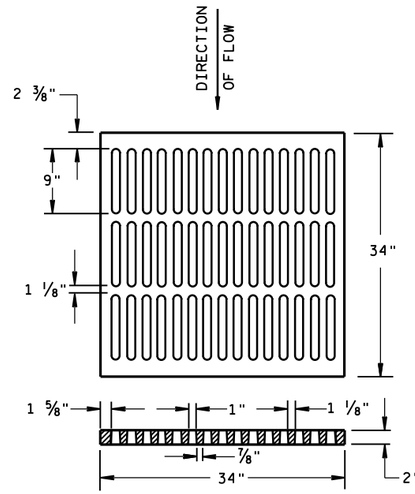
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

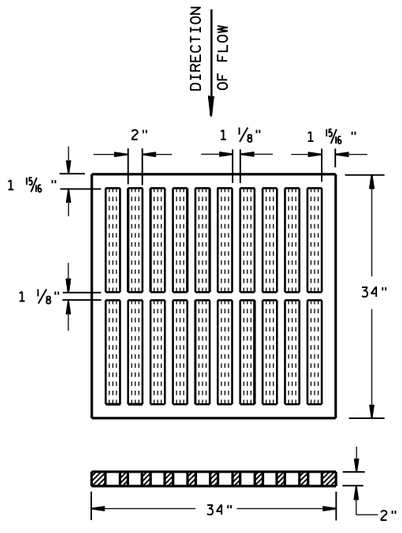
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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



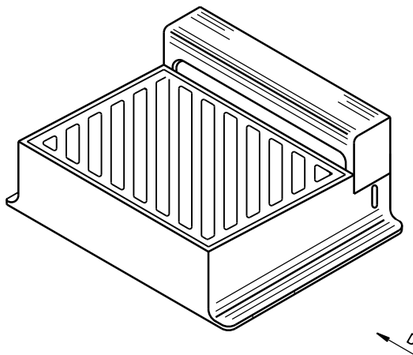
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

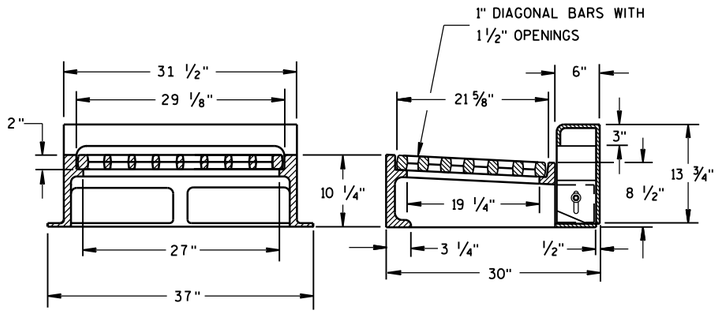


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



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



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

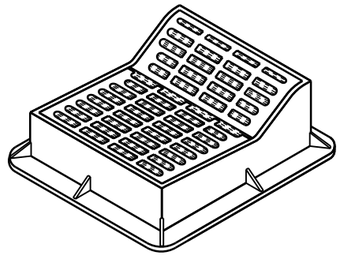
INLET COVERS
TYPE B, B-A, C, MS, MS-A, & WM

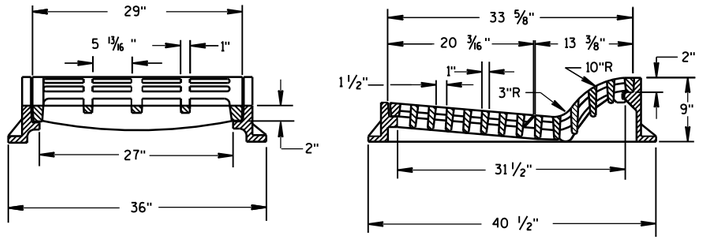
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

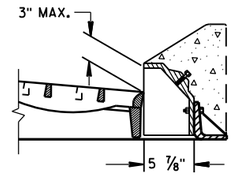
S.D.D. 8 A 5-19b





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

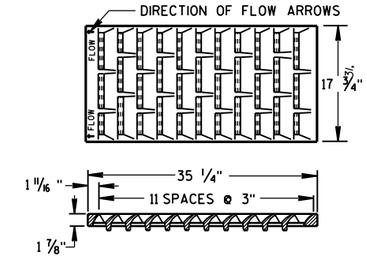
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

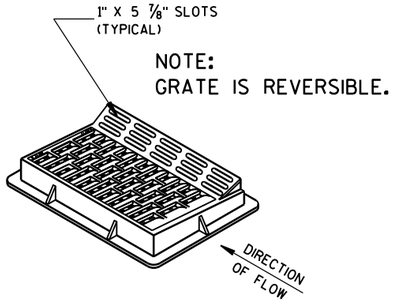
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

GENERAL NOTES

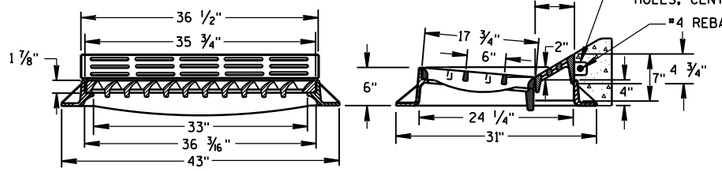
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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





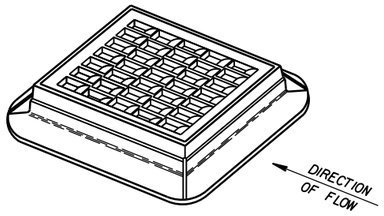
NOTE:
GRATE IS REVERSIBLE.

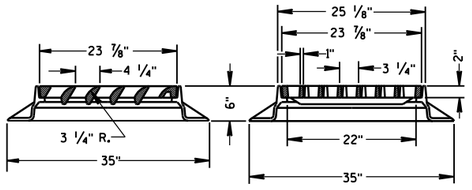


TYPE "HM"

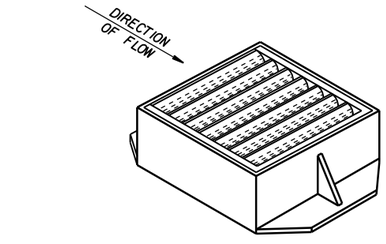
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

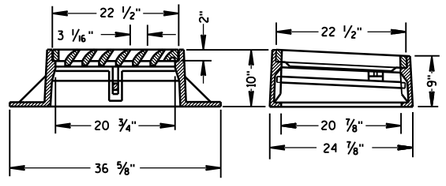
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



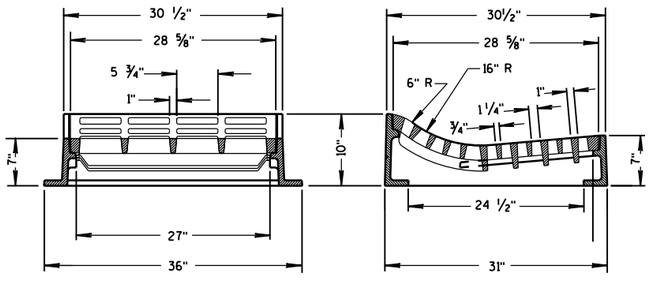


TYPE "S"



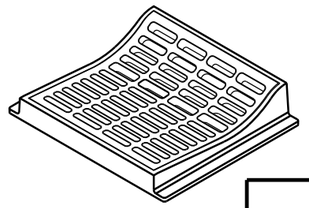


TYPE "V"



TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.



INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

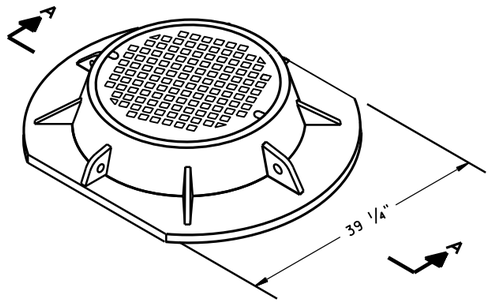
APPROVED
11/27/2013
DATE

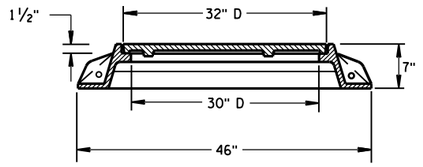
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA

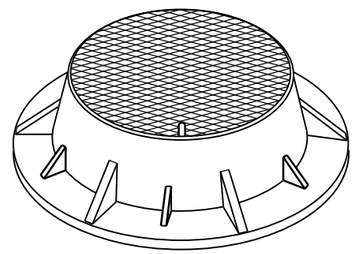
6

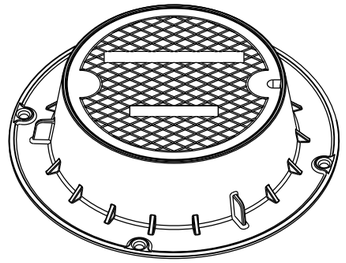
S.D.D. 8 A 5-19c

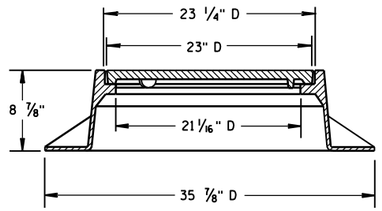


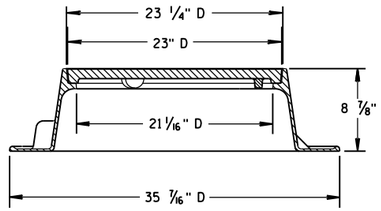


SECTION A-A
TYPE "K"









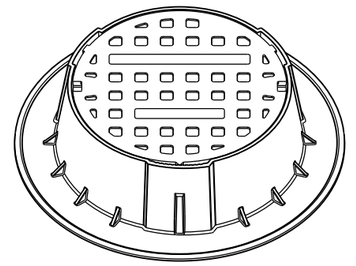
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

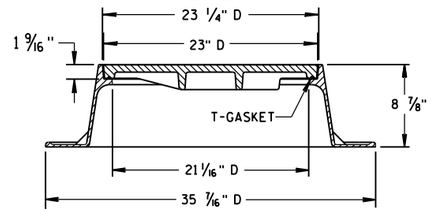
GENERAL NOTES

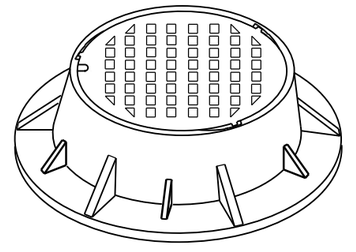
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

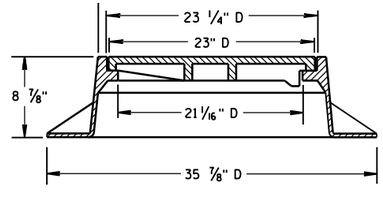
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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

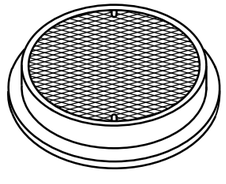


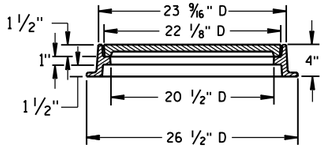






TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE





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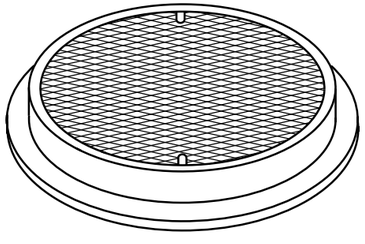

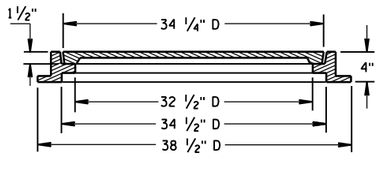

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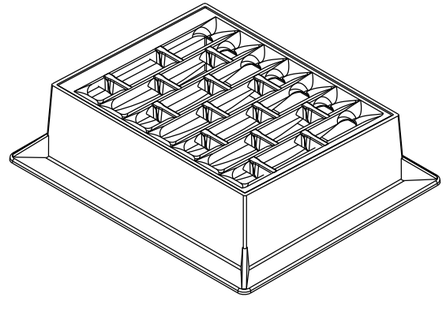
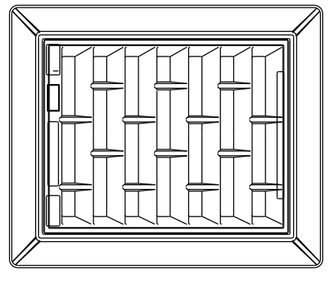
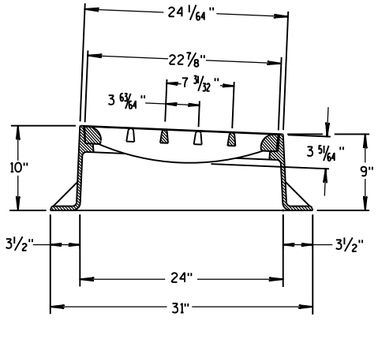
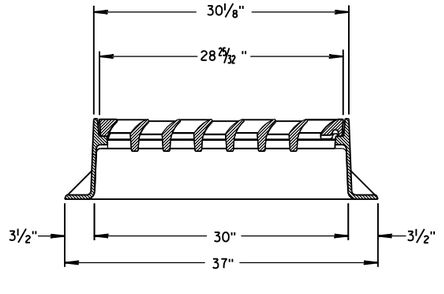








INLET COVER TYPE "BW"

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

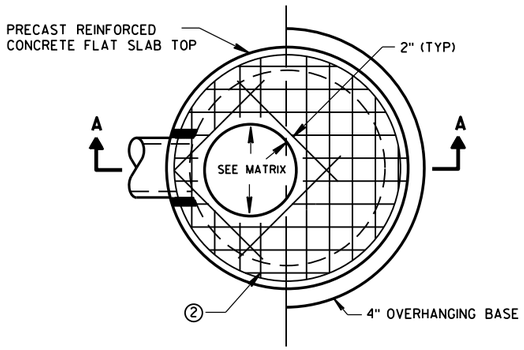
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

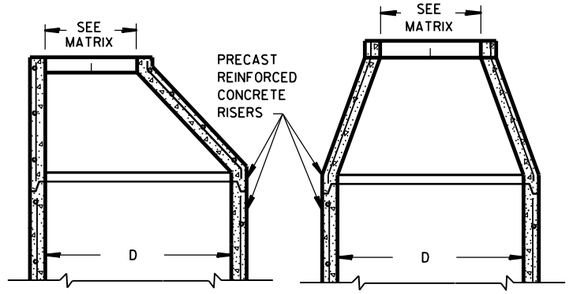
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

S.D.D. 8 A 5-19d

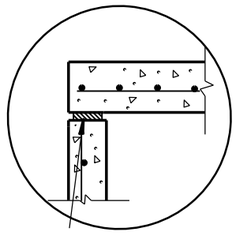


PLAN VIEW CIRCULAR OPENING

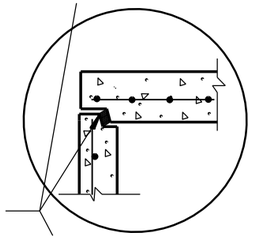


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

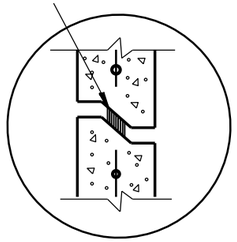
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



TOP WITH PLAIN END JOINT

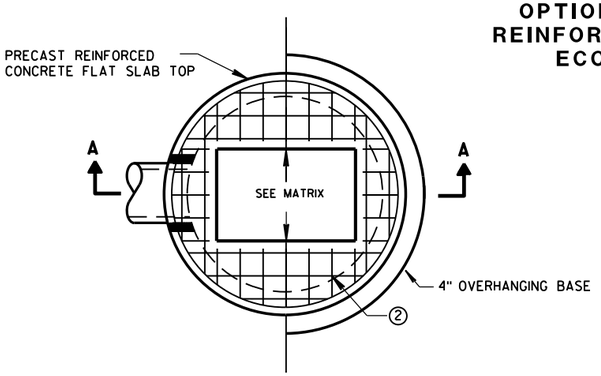


TOP WITH TONGUE AND GROOVE JOINT

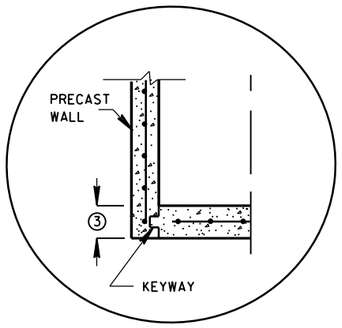


RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

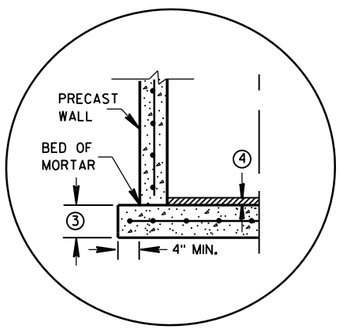


PLAN VIEW RECTANGULAR OPENING



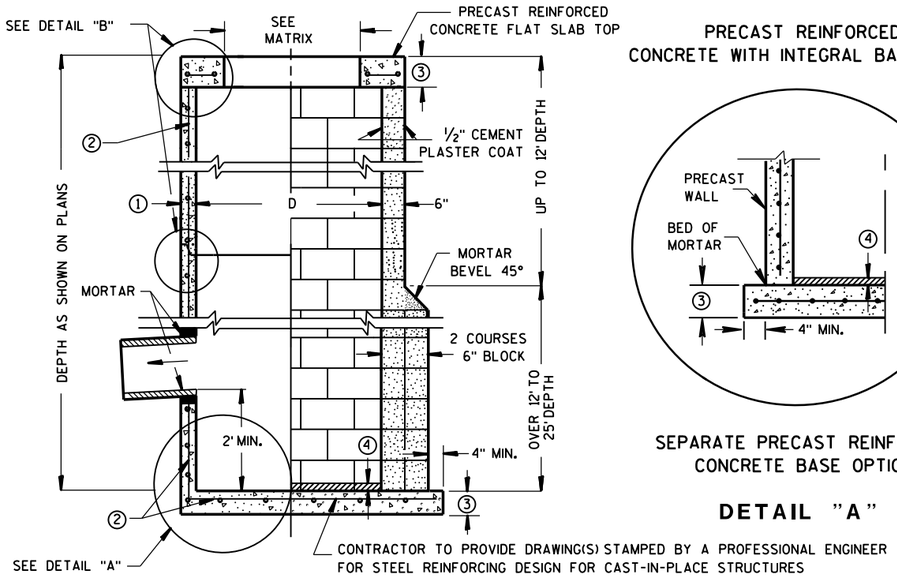
PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

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



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

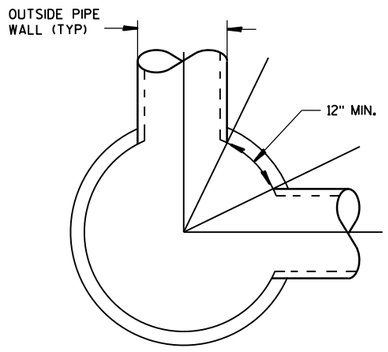
DETAIL "A"



SECTION A-A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②



DETAIL "C"

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT AND 7 INCHES FOR 6-FT DIAMETER PRECAST CATCH BASINS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

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

CATCH BASIN COVER OPENING MATRIX

CATCH BASIN SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT)											
3-FT	2X2	X	X					X		X		
	2 DIA.				X							X
4-FT-6-FT	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2 DIA.				X							X
	2X3						X					
	2.5X3					X						

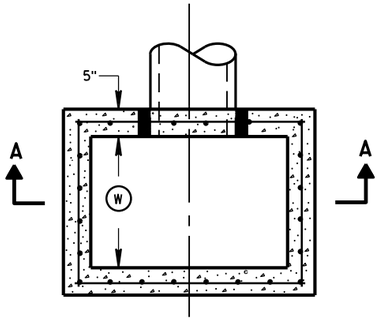
PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	30

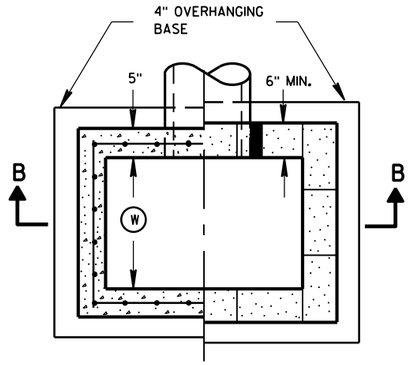
CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

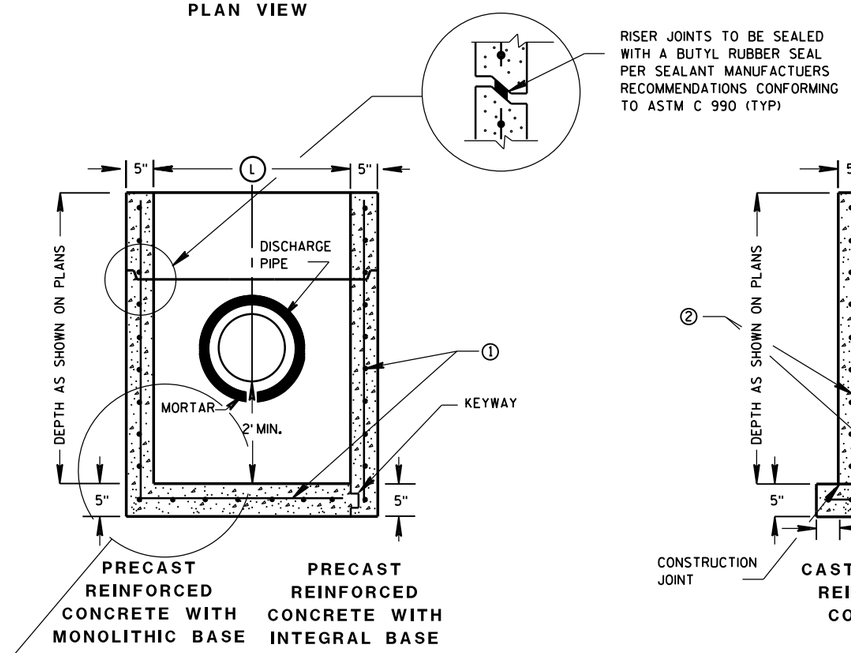
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVISOR
FHWA



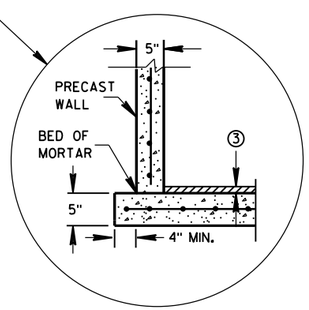
PLAN VIEW



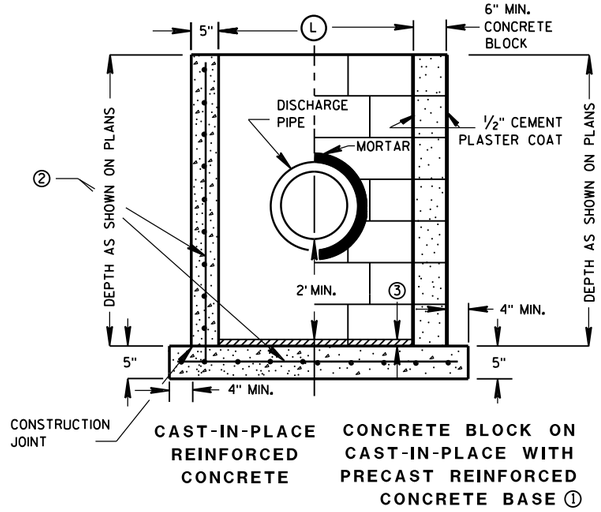
PLAN VIEW



SECTION A-A



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION



SECTION B-B

GENERAL NOTES

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

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

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

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

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

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

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

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

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

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

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

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

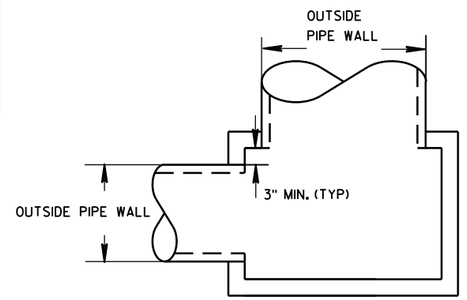
③ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

CATCH BASIN SIZE		INLET COVER TYPE	F	ALL H'S
	WIDTH (W) (FT)	LENGTH (L) (FT)		
2X3-FT	2	3		X
2.5X3-FT	2.5	3	X	

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

CATCH BASINS 2X3-FT AND 2.5X3-FT

CATCH BASINS 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
FHWA

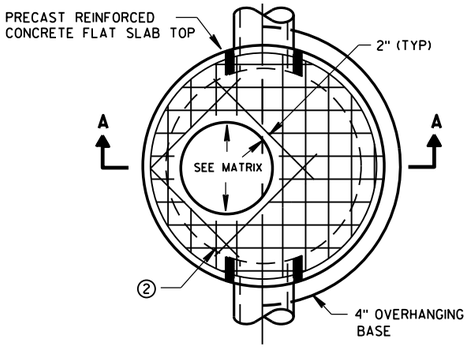
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

6

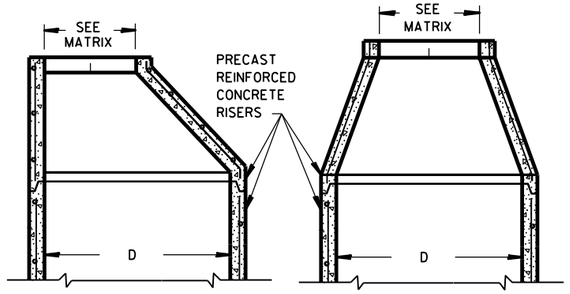
S.D.D. 8 A 9-2

6

S.D.D. 8 A 9-2

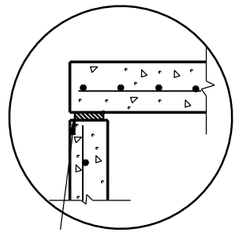


PLAN VIEW CIRCULAR OPENING

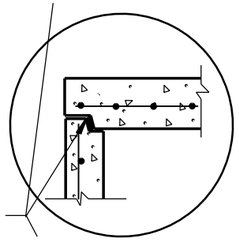


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

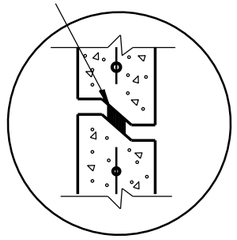


TOP WITH PLAIN END JOINT



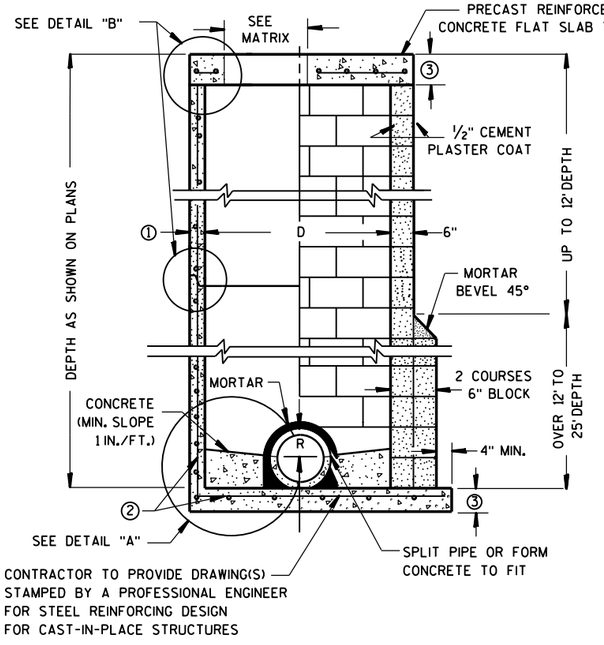
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



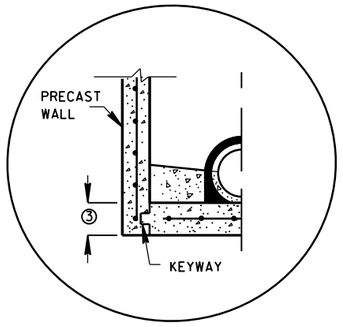
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

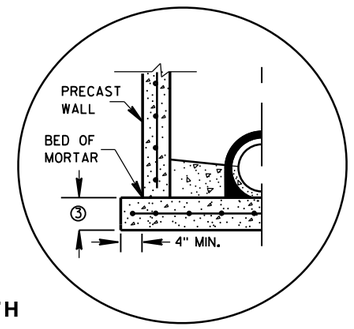


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

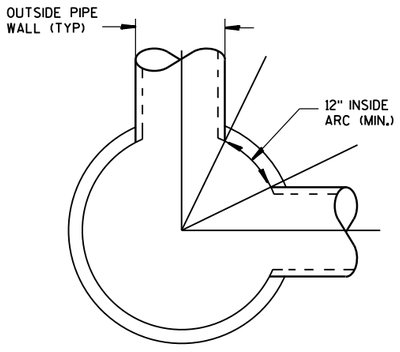


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

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

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

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

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

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept., 2016
DATE

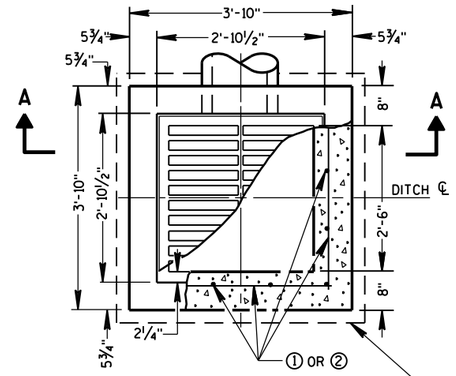
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

FHWA

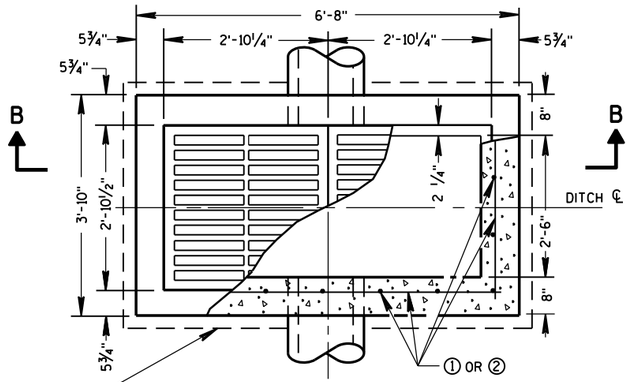
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

S.D.D. 8 B 9-2

6

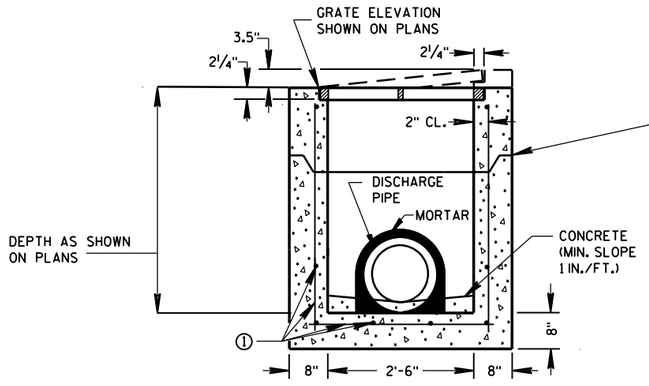


PLAN VIEW

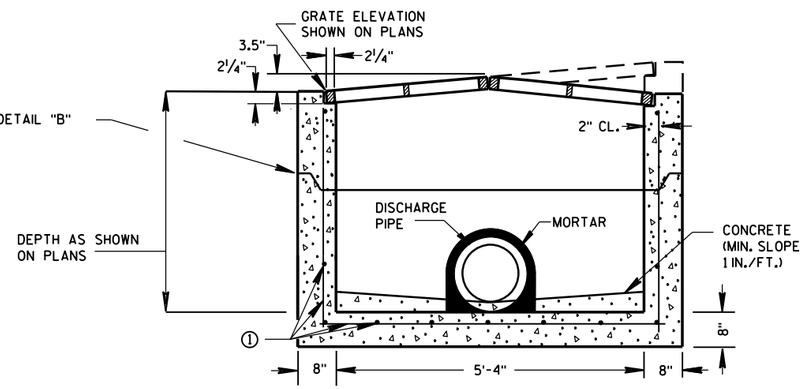


PLAN VIEW

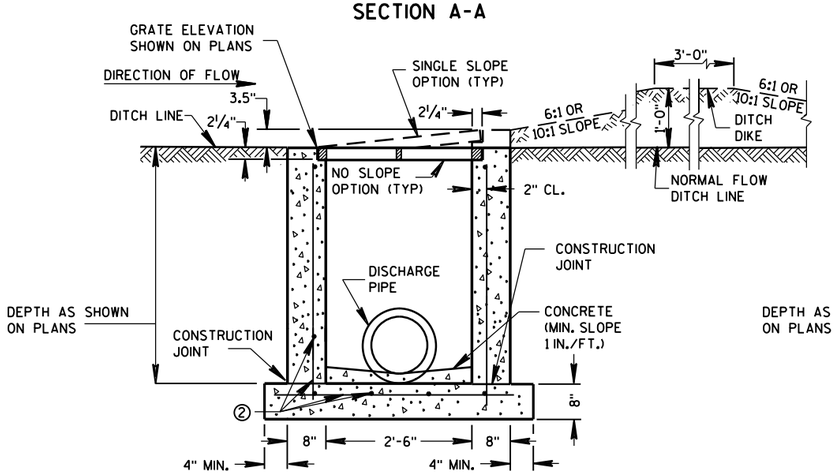
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



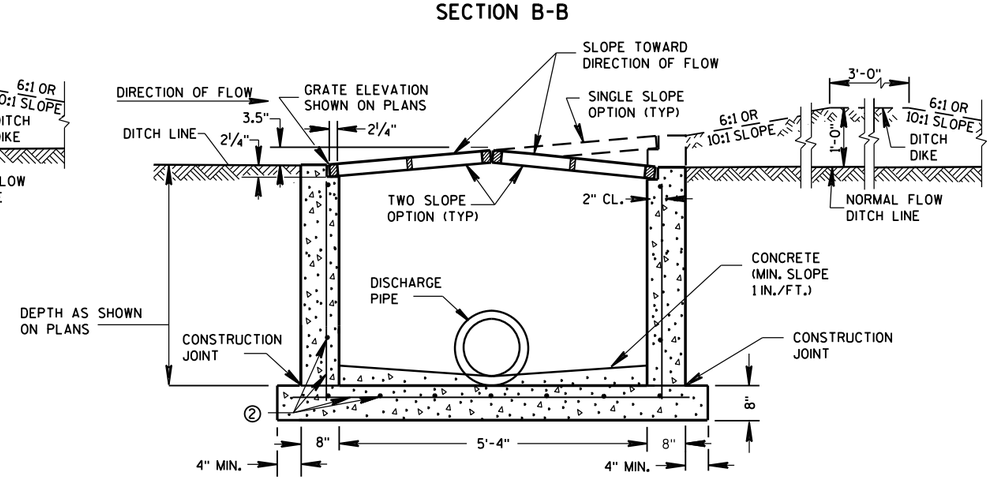
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

GENERAL NOTES

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

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

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

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

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

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

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

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

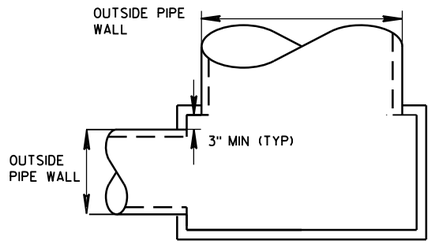
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

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

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

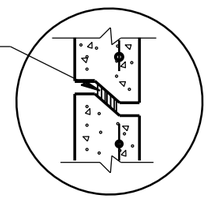
PIPE MATRIX

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



DETAIL "A"

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



DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI ENT
FHWA

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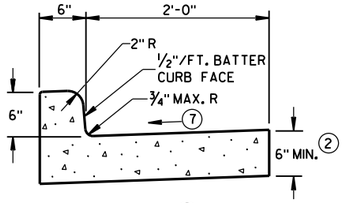
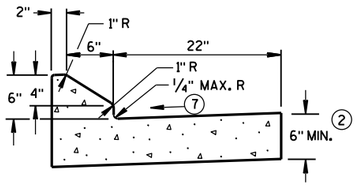
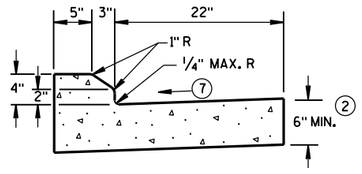
S.D.D. 8 C 8-2



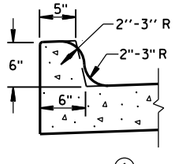
TYPES A (1) & D



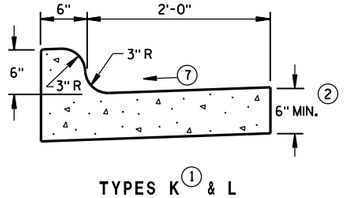
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

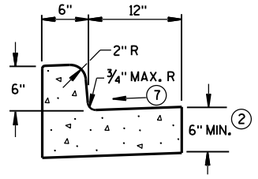


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



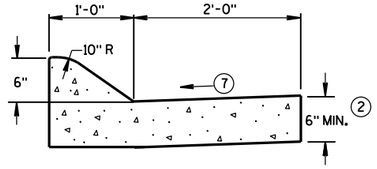
TYPES K (1) & L

CONCRETE CURB & GUTTER 30"

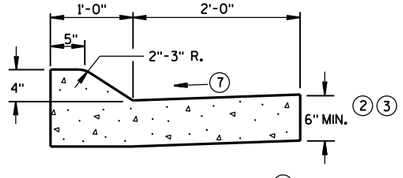


TYPES A (1) & D

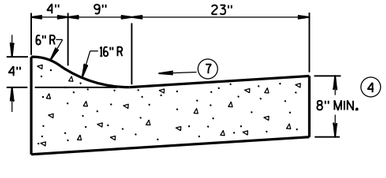
CONCRETE CURB & GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

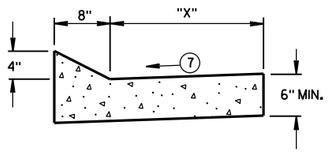


4" SLOPED CURB TYPES A (1) & D



4" SLOPED CURB TYPES R (1) & T (5)

CONCRETE CURB & GUTTER 36"



TYPES TBT & TBTT (1)

CONCRETE CURB & GUTTER

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

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.

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

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

(5) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

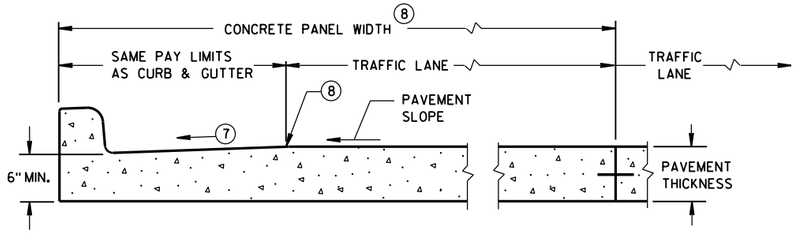
(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

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

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

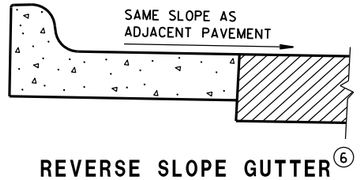
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB & GUTTER

* BIKE LANE IS NOT SHOWN.



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

CONCRETE CURB & GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO...

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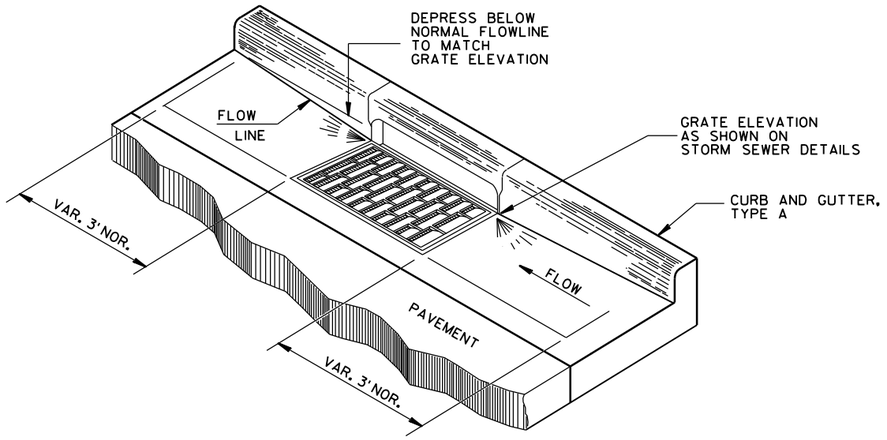
S.D.D. 8 D 1-20a



DETAIL OF CURB AND GUTTER AT INLETS

(TYPE H INLET COVER SHOWN)

GENERAL NOTES

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

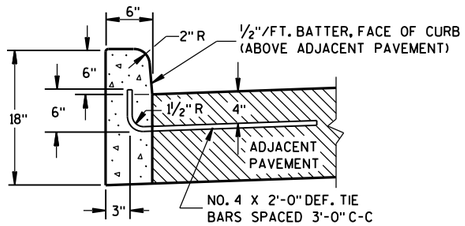
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

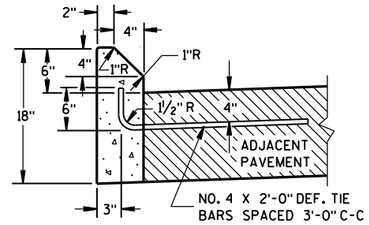
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

(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.

(9) REFER TO SDD 8D18 AND SDD 8D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

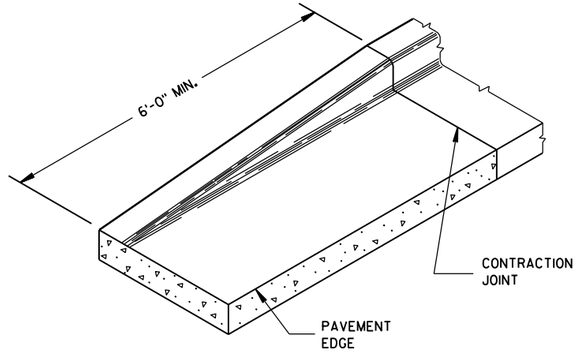


TYPES A(1) & D

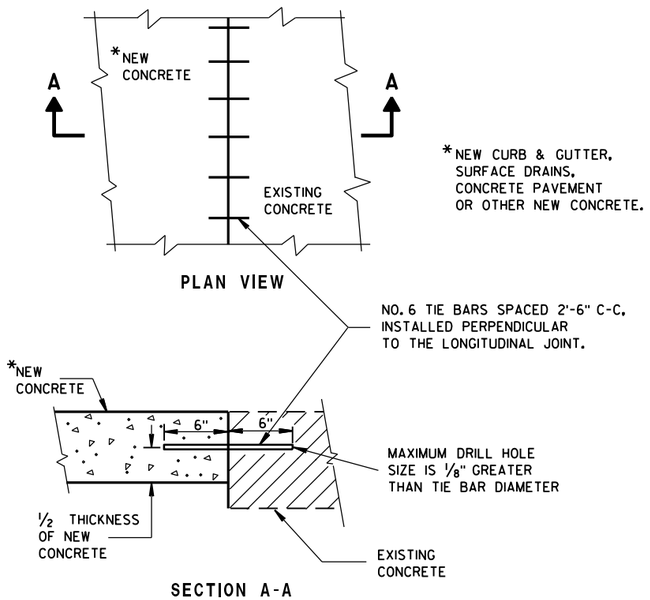


TYPES G(1) & J

CONCRETE CURB



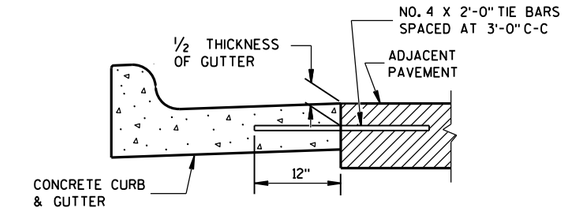
END SECTION CURB & GUTTER



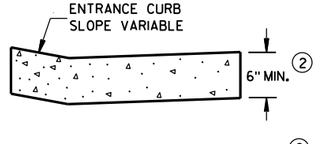
PLAN VIEW

SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2017 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS 197 ENT
UNIT SUPERVISOR
FHWA

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S.D.D. 8 D 1-20b

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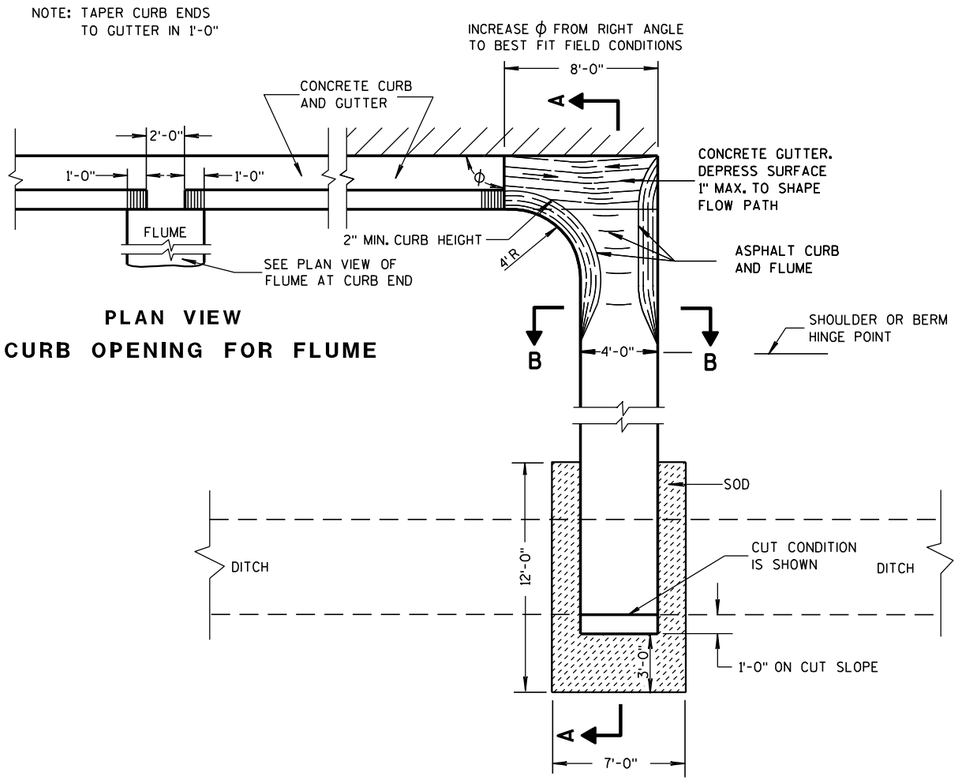
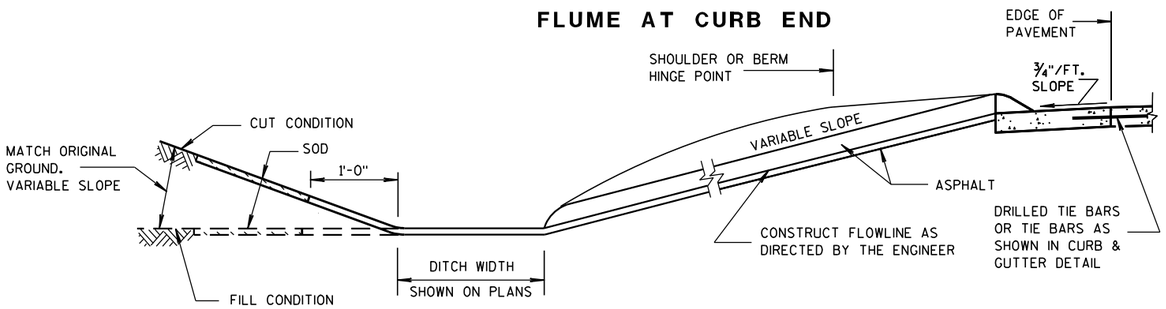
ASPHALTIC FLUME

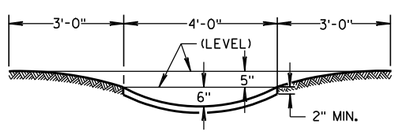


PLAN VIEW
CURB OPENING FOR FLUME

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.

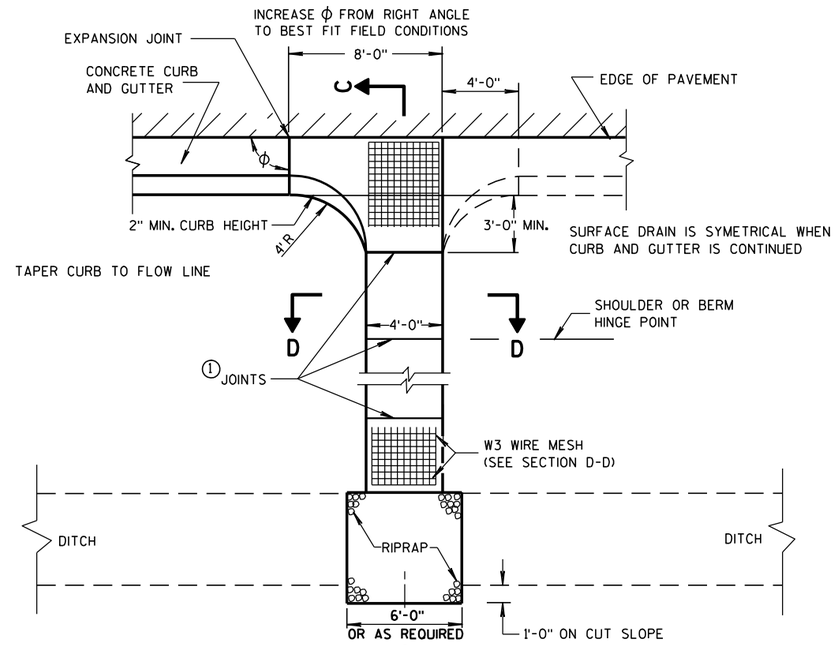
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

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.

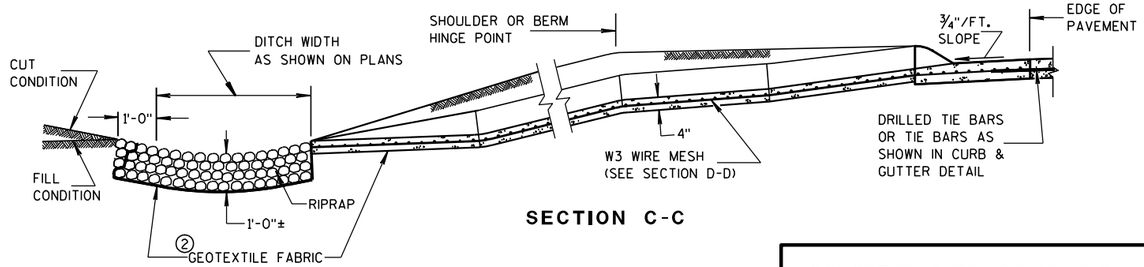
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

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

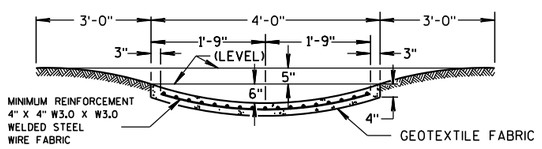
③ CONCRETE SURFACE DRAIN



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
198
MENT
FHWA

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S.D.D. 8 D 4-5

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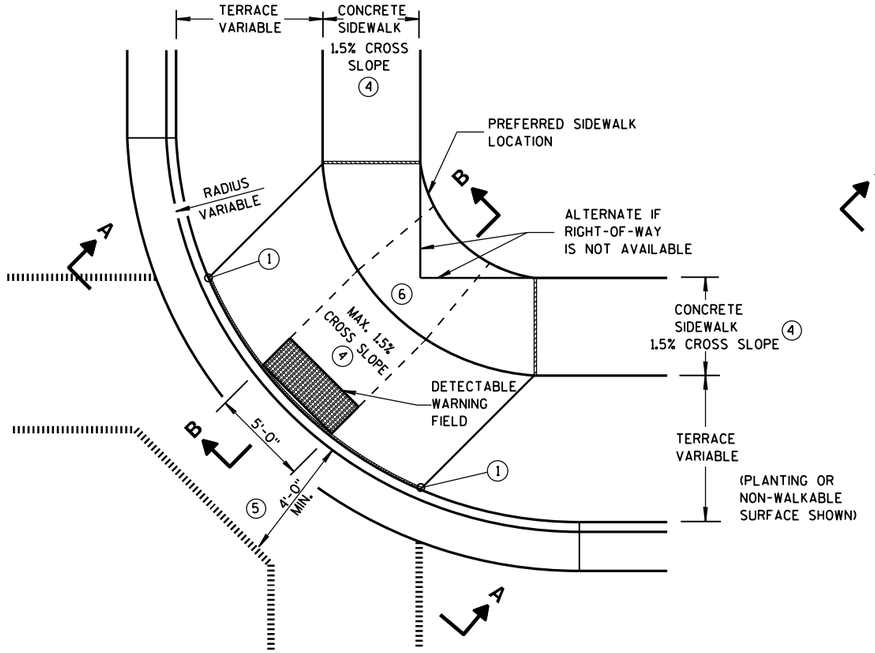
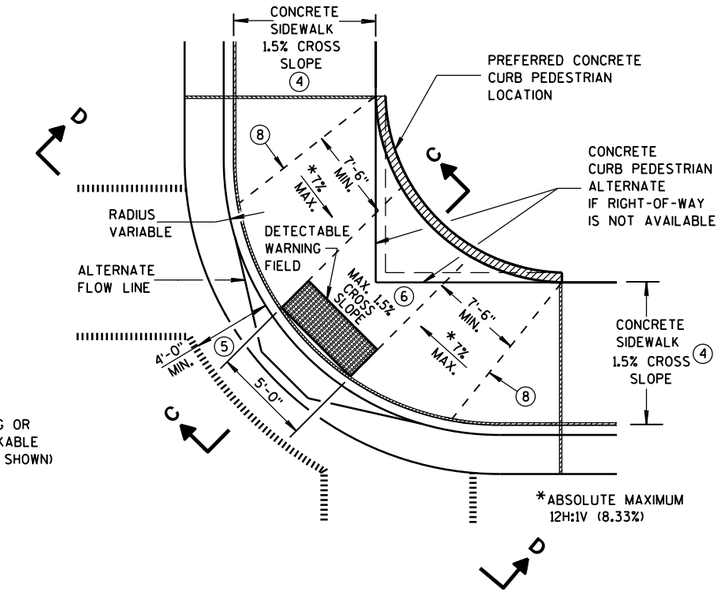
S.D.D. 8 D 4-5



PLAN VIEW

TYPE 1 RAMP

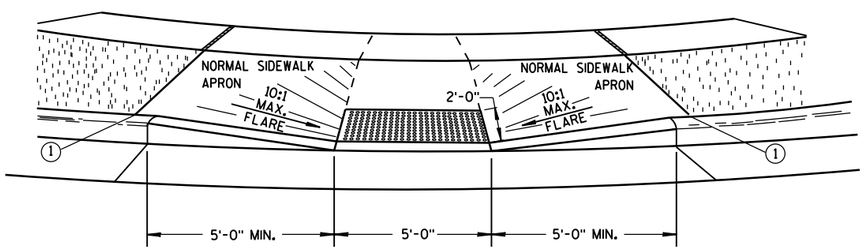
(CENTER OF CORNER RADIUS)



PLAN VIEW

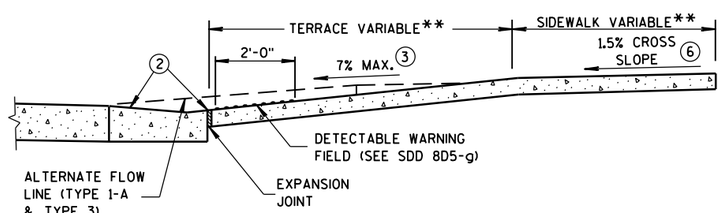
TYPE 1-A RAMP

(NO TERRACE)

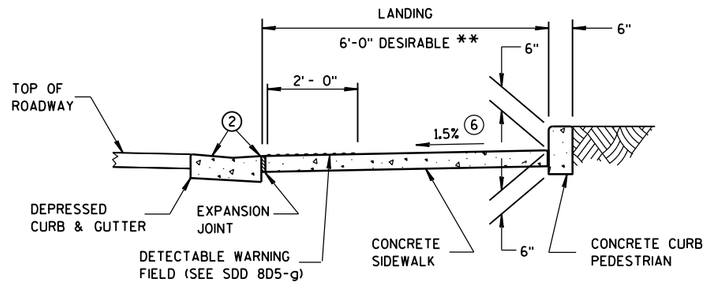


VIEW A-A

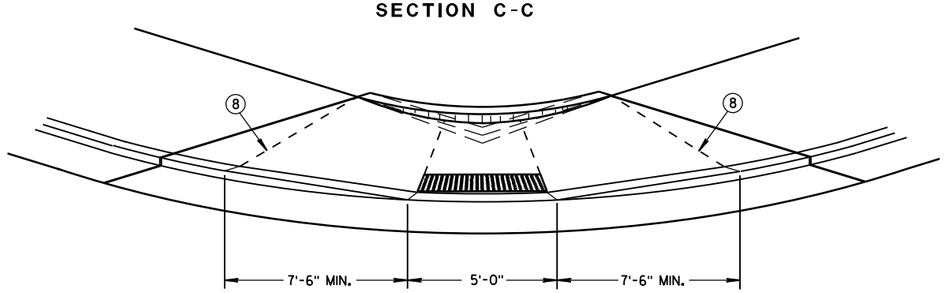
** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B



SECTION C-C



VIEW D-D

GENERAL NOTES

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

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

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

TYPE 1 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. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) 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.

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

LEGEND

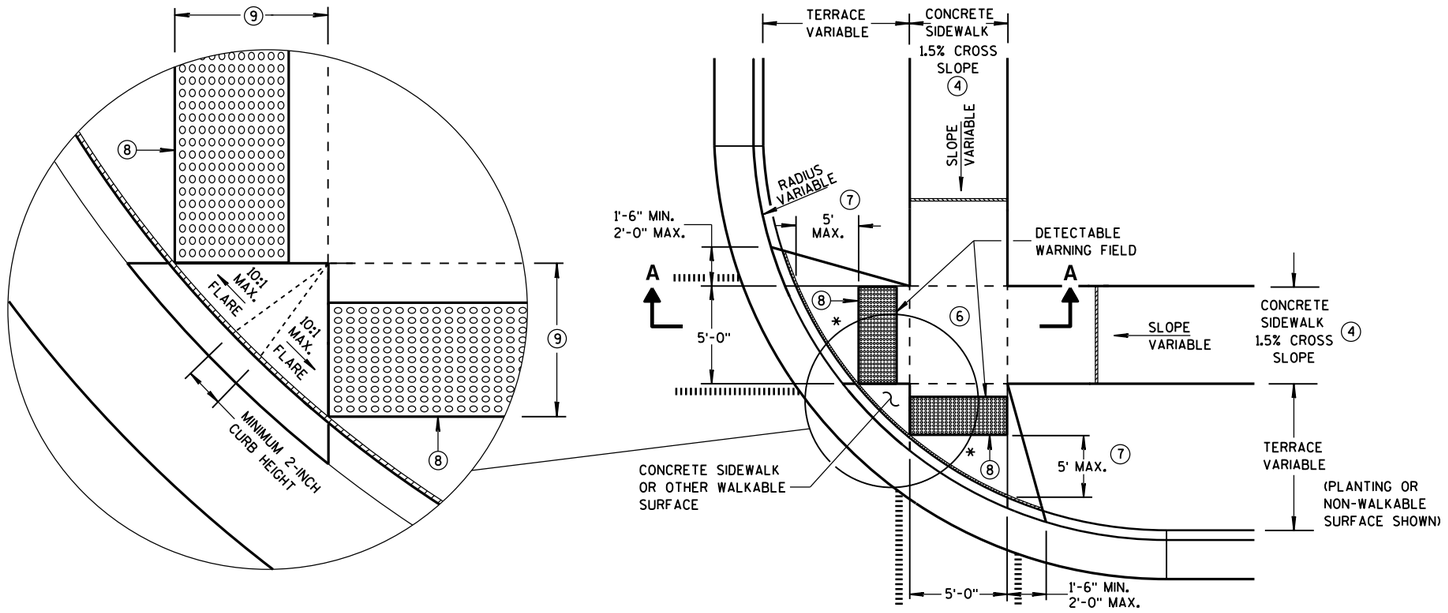
- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

CURB RAMPS TYPES 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

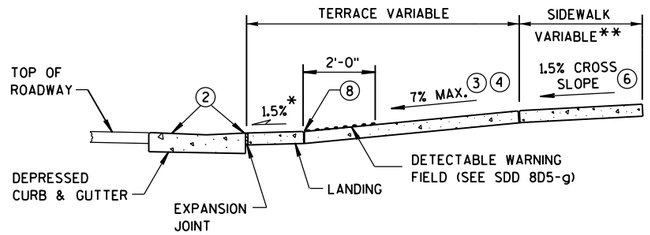
6

S.D.D. 8 D 5-19a



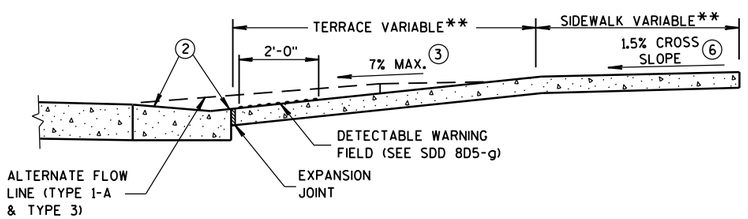
PLAN VIEW
TYPE 2 RAMP
(ON LINE WITH SIDEWALK)

* 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

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 LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) 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.

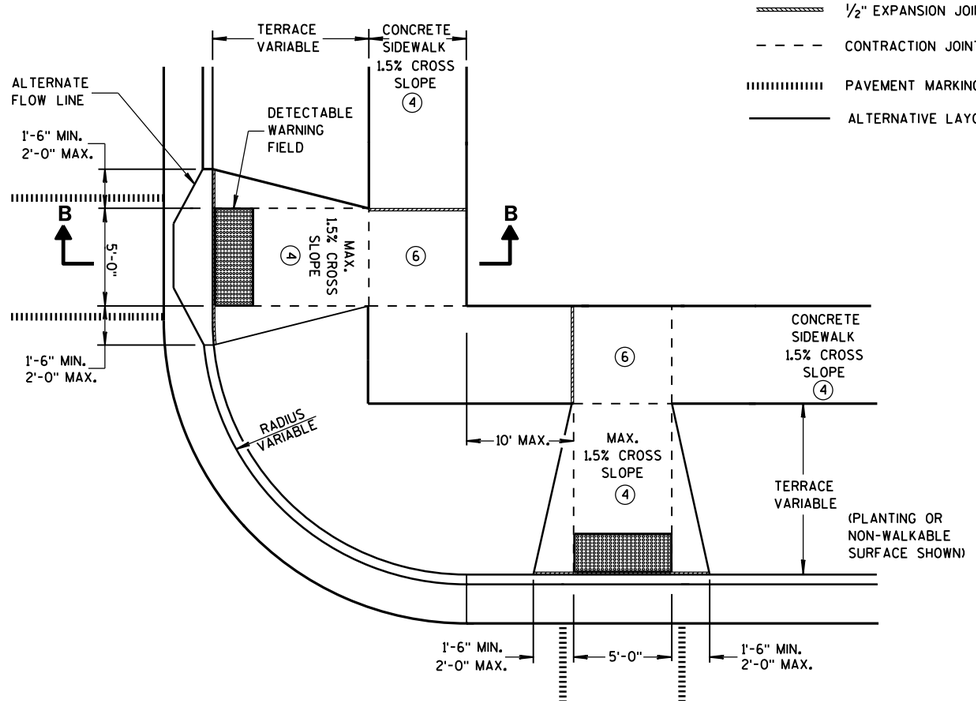
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

(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. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

LEGEND

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



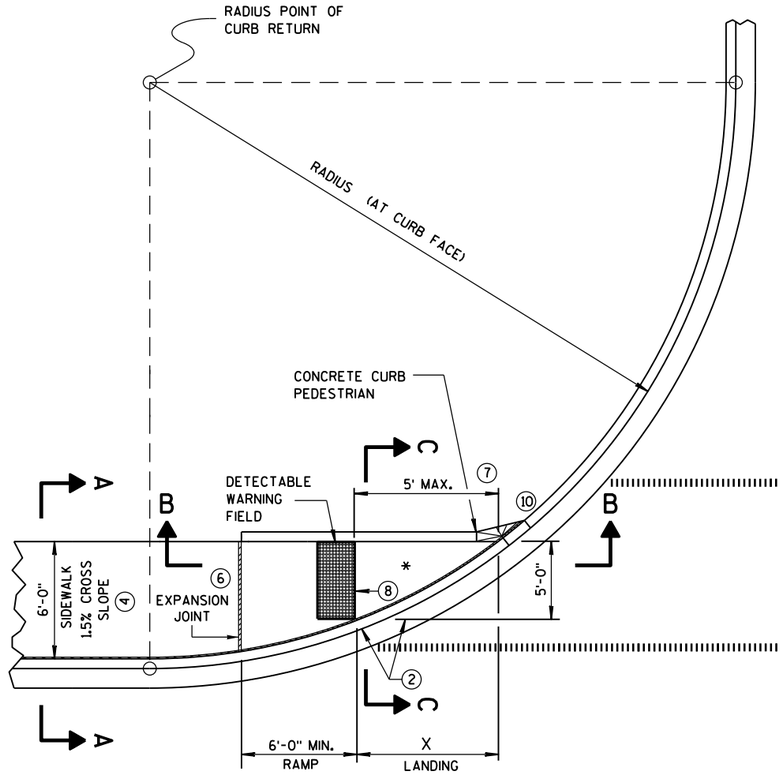
PLAN VIEW
TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS TYPES 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

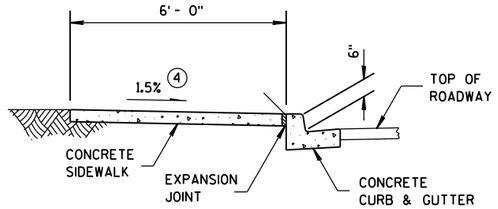
S.D.D. 8 D 5-19b



CURB RAMP TYPE 4A
PLAN VIEW

RADIUS (AT CURB FACE)	X
10 FEET	4'-7"
15 FEET	6'-5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A-A FOR TYPE 4A

GENERAL NOTES

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

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

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

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

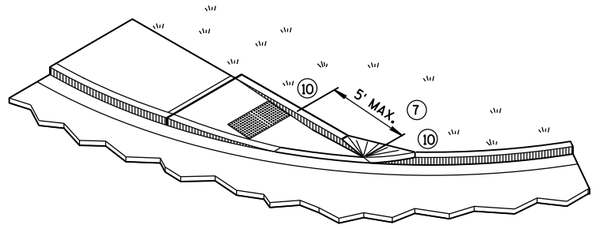
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

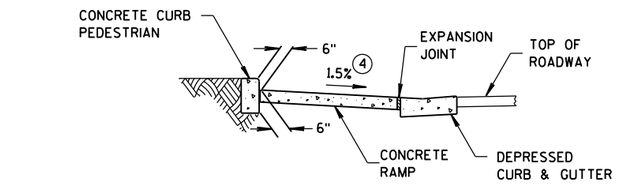
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

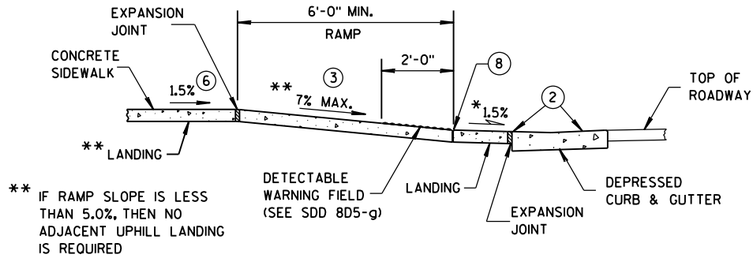
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



ISOMETRIC VIEW FOR TYPE 4A



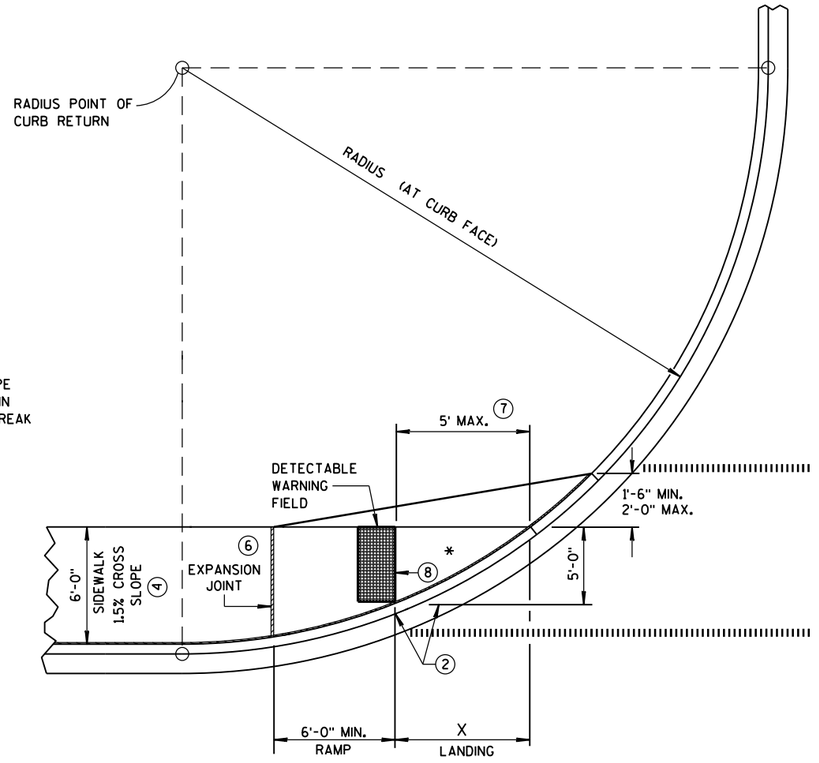
SECTION C-C FOR TYPE 4A



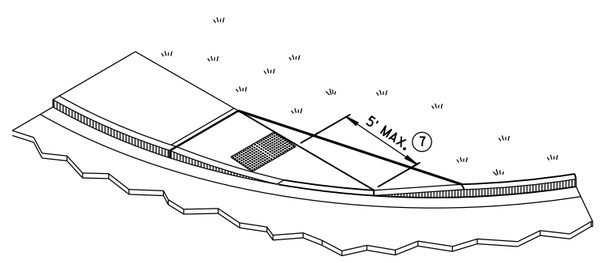
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

SECTION B-B FOR TYPE 4A

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



CURB RAMP TYPE 4A1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4A1

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

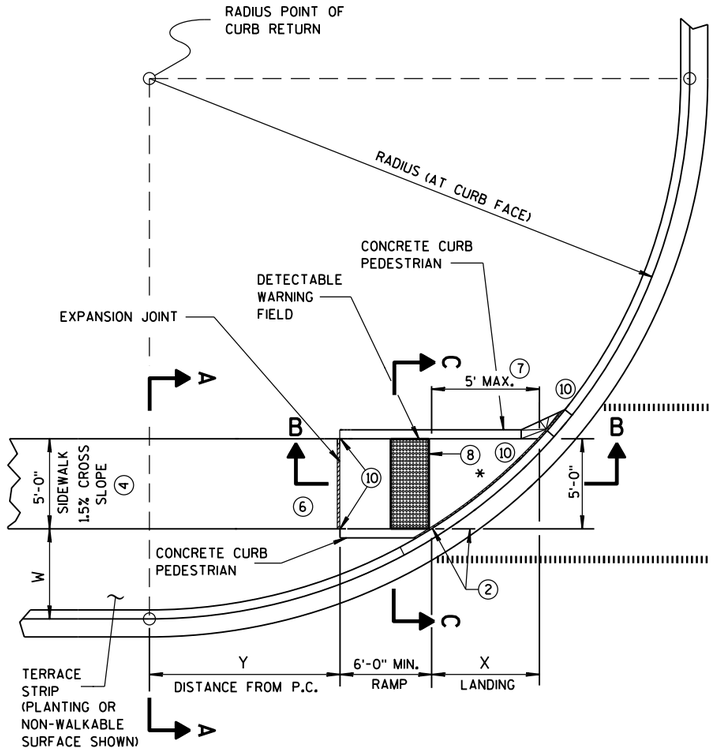
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPES 4A AND 4A1

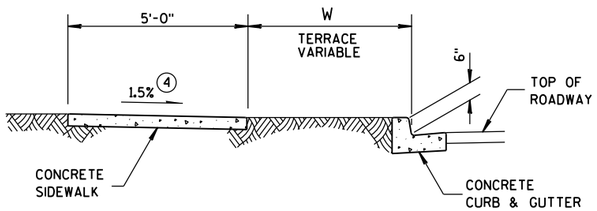
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

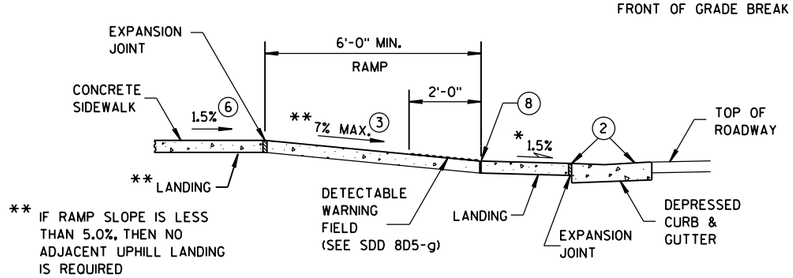
S.D.D. 8 D 5-19c



CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



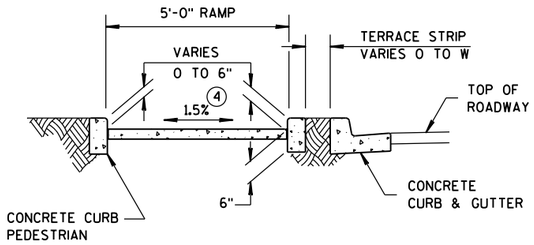
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

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

SECTION B-B FOR TYPE 4B

RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"		W = 8'-0"		W = 9'-0"		W = 10'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2'-10¼"	0'-5"	2'-1"	1'-4½"	1'-5"	2'-1"	0'-10"	2'-7½"	0'-3¼"	3'-0¼"						
15 FEET	4'-6¾"	2'-1¾"	3'-9"	3'-5¼"	3'-1¼"	4'-6"	2'-6¾"	5'-4½"	2'-1"	6'-1"	1'-8"	6'-8½"	1'-3¼"	7'-2½"	0'-10¾"	7'-7¼"
20 FEET	5'-9¾"	3'-6½"	4'-11½"	5'-1¾"	4'-3¼"	6'-5½"	3'-8¾"	7'-7"	3'-3"	8'-6½"	2'-10"	9'-4½"	2'-5½"	10'-1¼"	2'-1¼"	10'-9"
30 FEET			6'-9¼"	7'-11¼"	6'-0¼"	9'-8"	5'-5"	11'-1¾"	4'-10¾"	12'-5¾"	4'-5½"	13'-7¾"	4'-0¾"	14'-8½"	3'-8½"	15'-8¼"
40 FEET									6'-1¾"	15'-8½"	5'-8"	17'-2"	5'-3"	18'-5¾"	4'-10¾"	19'-8¼"
50 FEET															5'-10¼"	23'-2"

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



SECTION C-C FOR TYPE 4B

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 LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

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

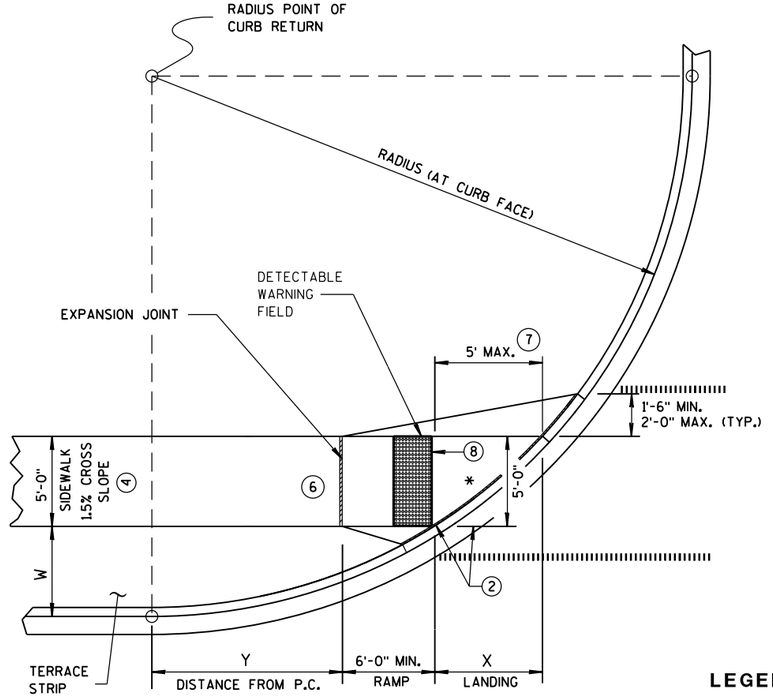
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

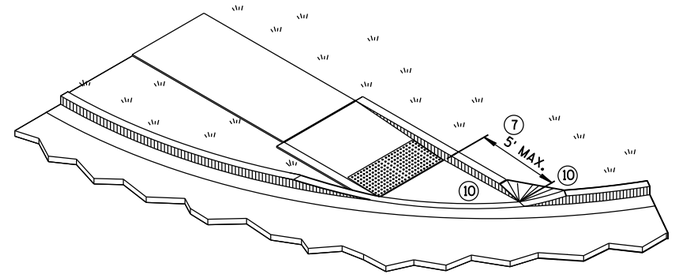
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

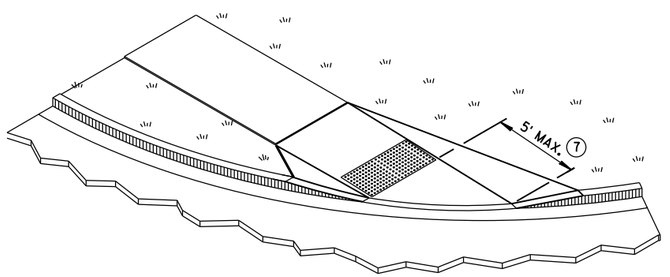
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



CURB RAMP TYPE 4B1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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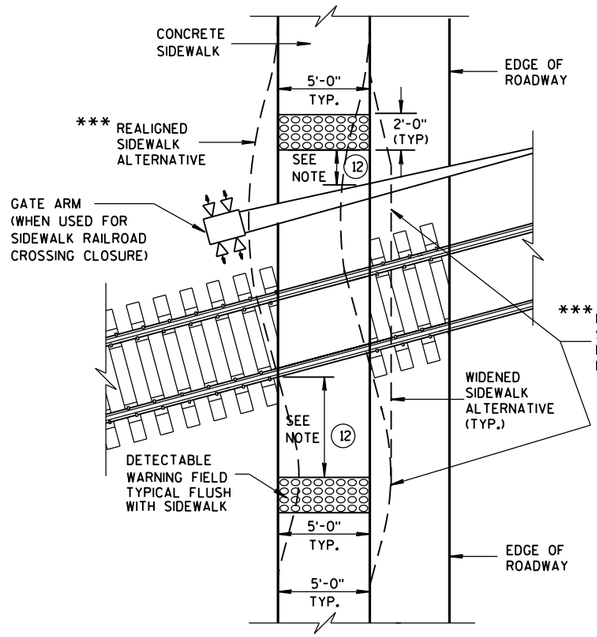
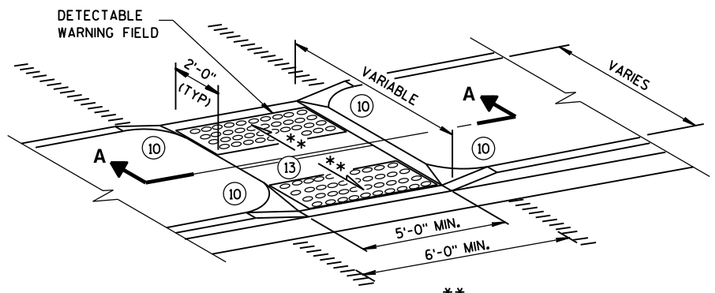
S.D.D. 8 D 5-19d



TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING



** 1% MIN. (PROVIDE DRAINAGE)

*** DETAILS TO BE DETERMINED BY DESIGNER

MEDIAN ISLAND
NON-ELEVATED PEDESTRIAN CROSSING
TYPE 5

GENERAL NOTES

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) 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.

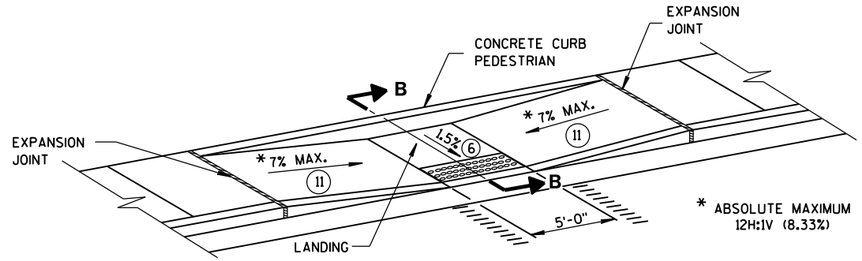
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

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

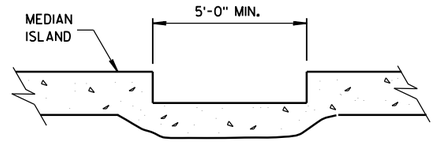
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

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

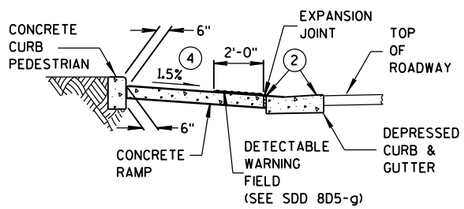
(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STREET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2-FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.



MID-BLOCK CROSSING
TYPE 7A

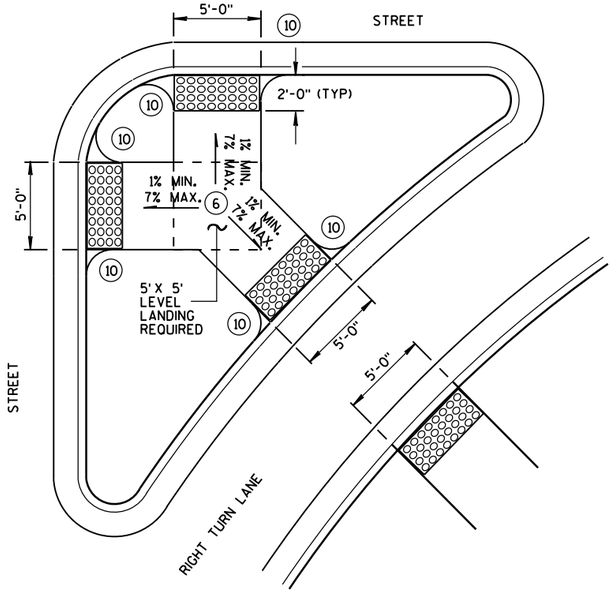


SECTION A-A

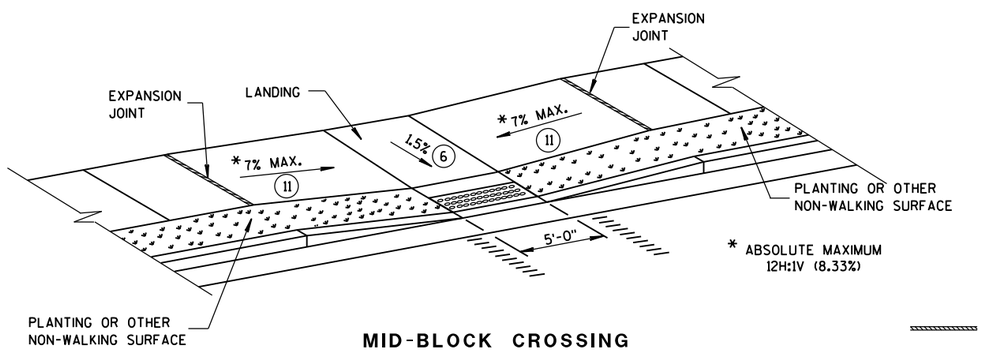


SECTION B-B

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

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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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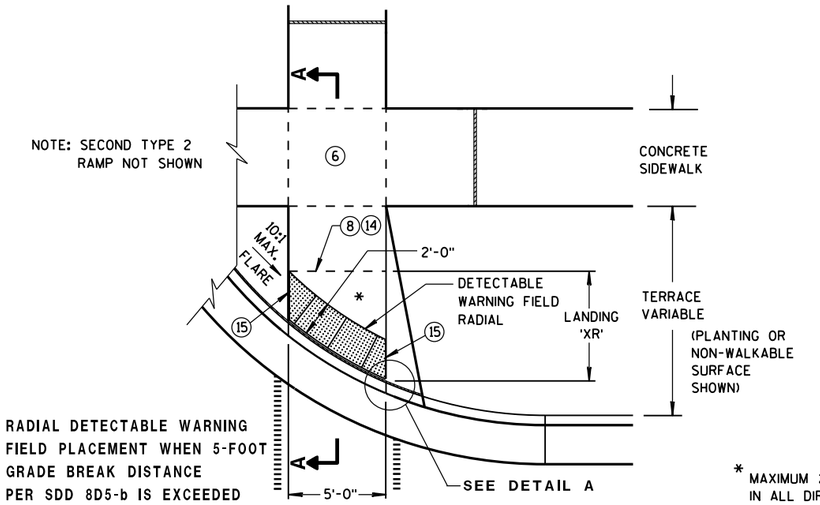
S.D.D. 8 D 5-19e

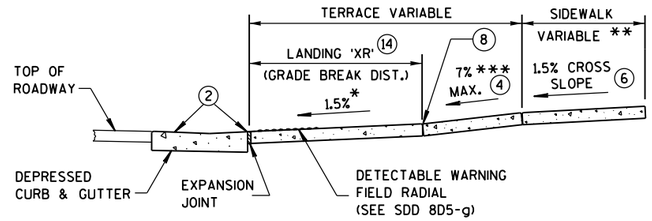


TYPE 2 RAMP
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)
(ON LINE WITH SIDEWALK)

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

LEGEND

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



** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION A-A

GENERAL NOTES

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

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

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

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

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

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

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

(3) 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.

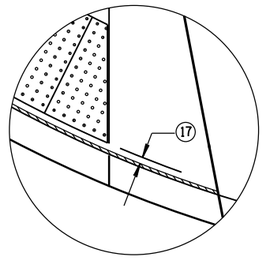
(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

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

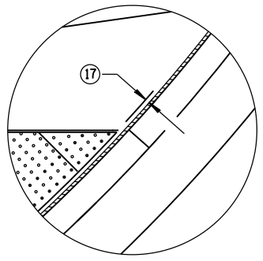
(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

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

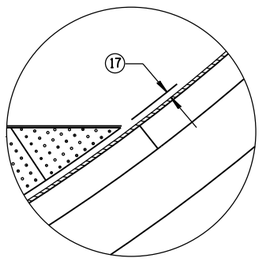
(17) A MAXIMUM 3-INCH CONCRETE BORDER WIDTH IS ALLOWABLE IN FRONT OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.



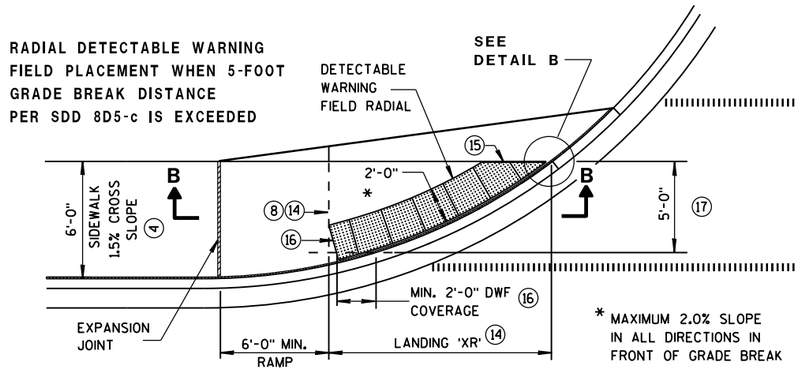
DETAIL A



DETAIL C

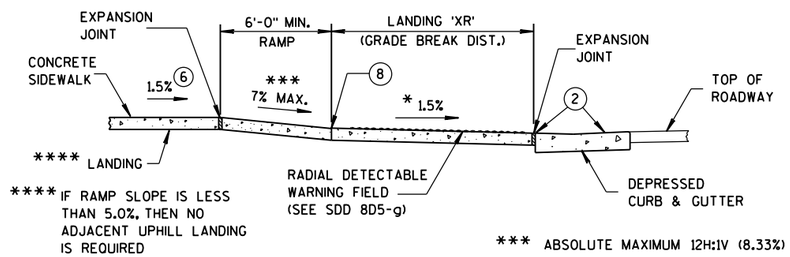


DETAIL B



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

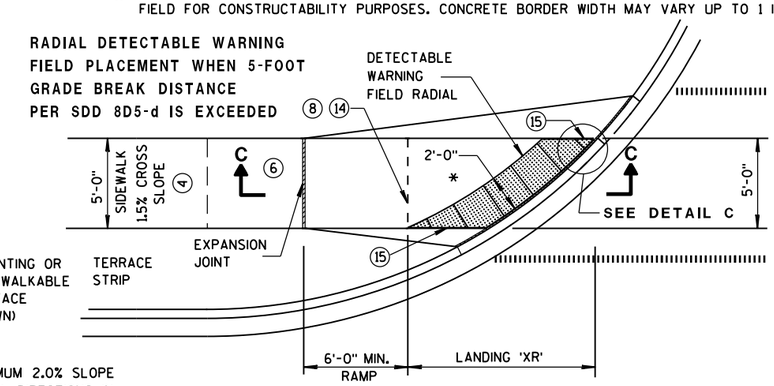
CURB RAMP TYPE 4A1
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



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

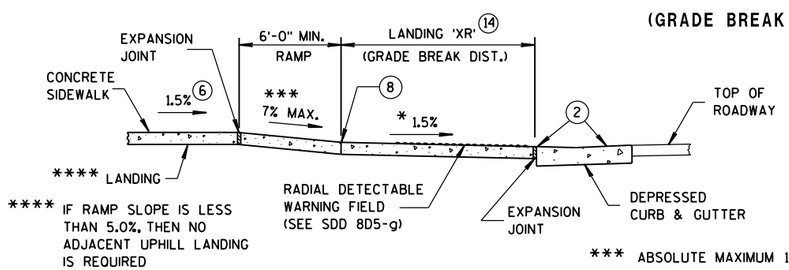
*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION B-B FOR TYPE 4A1



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

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



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

*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION C-C FOR TYPE 4B1

CURB RAMPS
RADIAL DETECTABLE WARNING FIELD APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 204

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S.D.D. 8 D 5-19f

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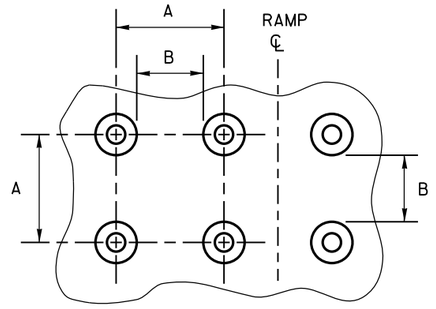
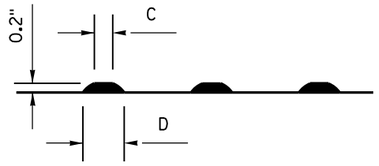
S.D.D. 8 D 5-19f

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

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



PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES

DETECTABLE WARNING PATTERN DETAIL

GENERAL NOTES

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

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

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

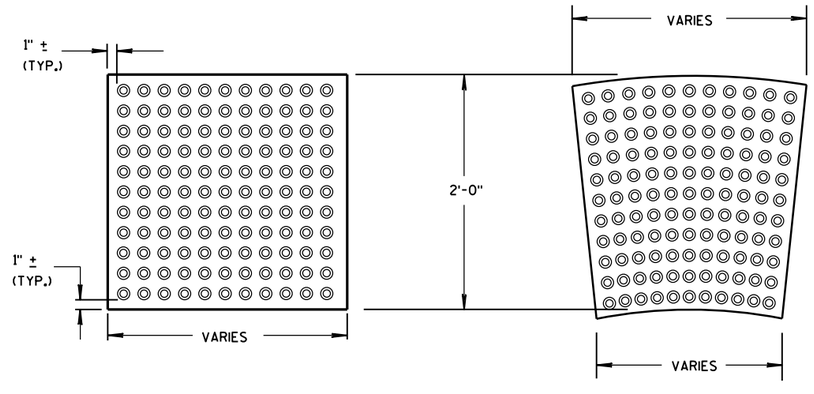
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

⑮ FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

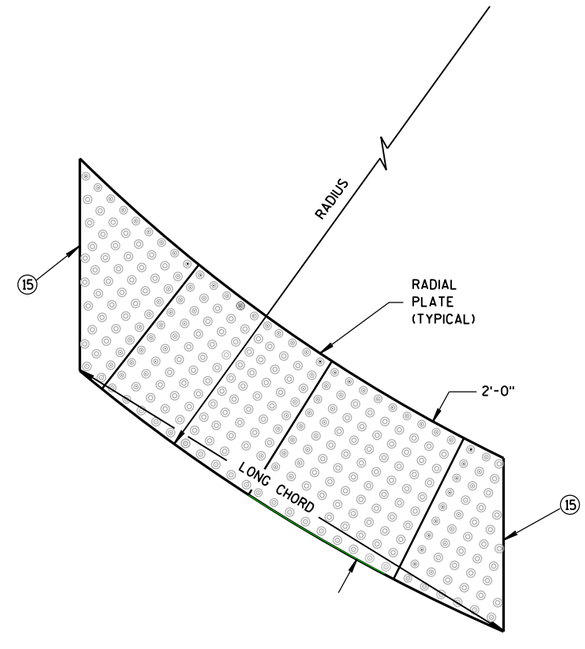


RECTANGULAR PLATES

RADIAL PLATES

DETECTABLE WARNING FIELDS (TYPICAL)

PLAN VIEW



RADIAL DETECTABLE WARNING FIELD ATTRIBUTES

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2017 — DATE
FHWA
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERV
ENT

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S.D.D. 8 D 5-19g

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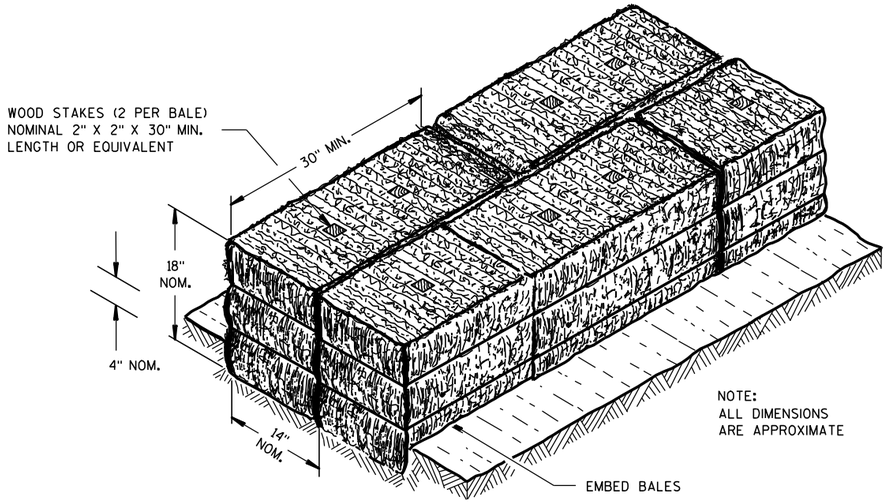
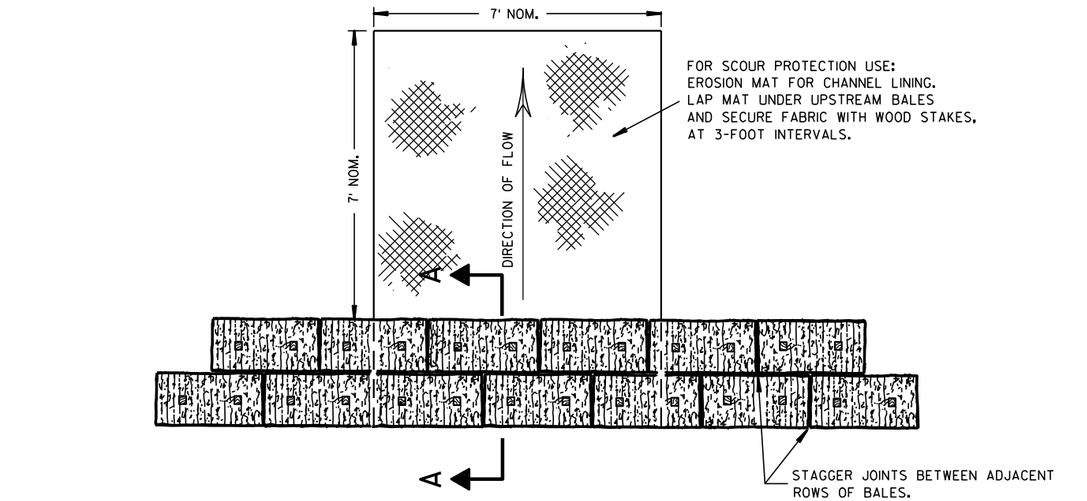
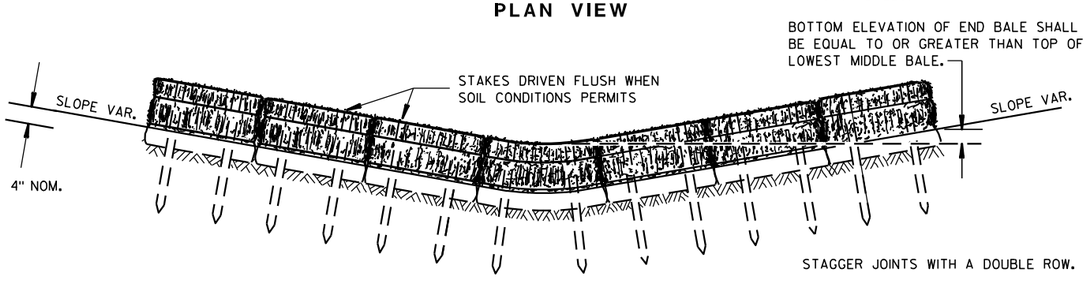
S.D.D. 8 D 5-19g



SECTION A-A



PLAN VIEW



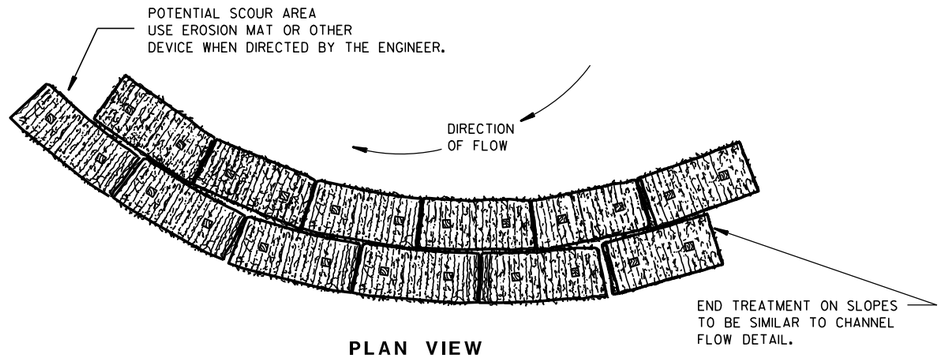
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

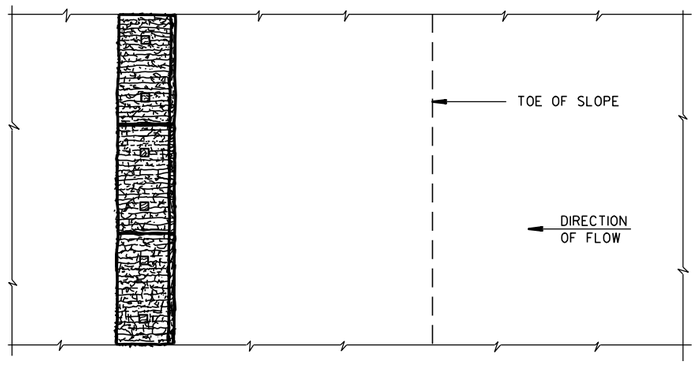
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

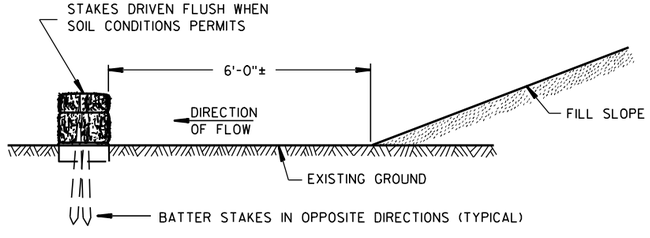


PLAN VIEW

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

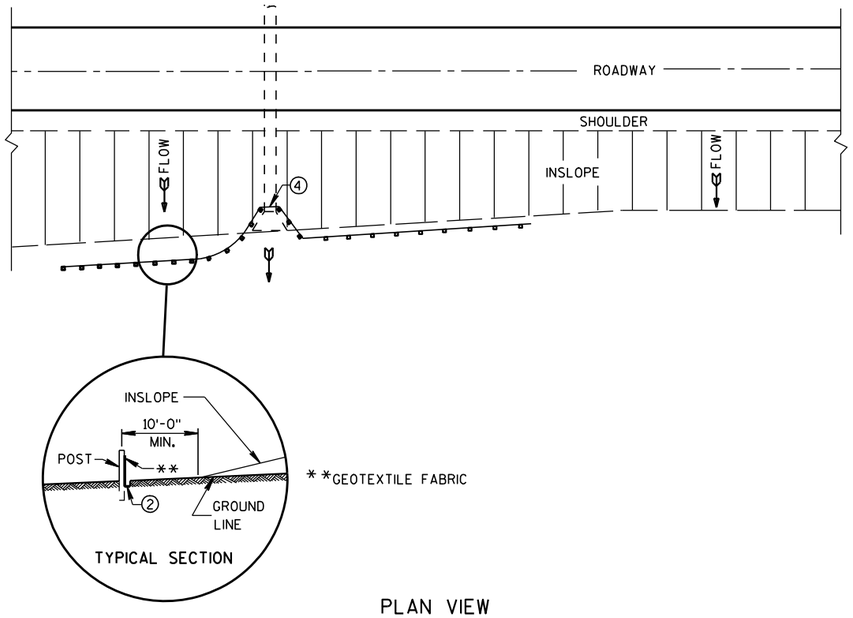
6/04/02 — DATE

/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

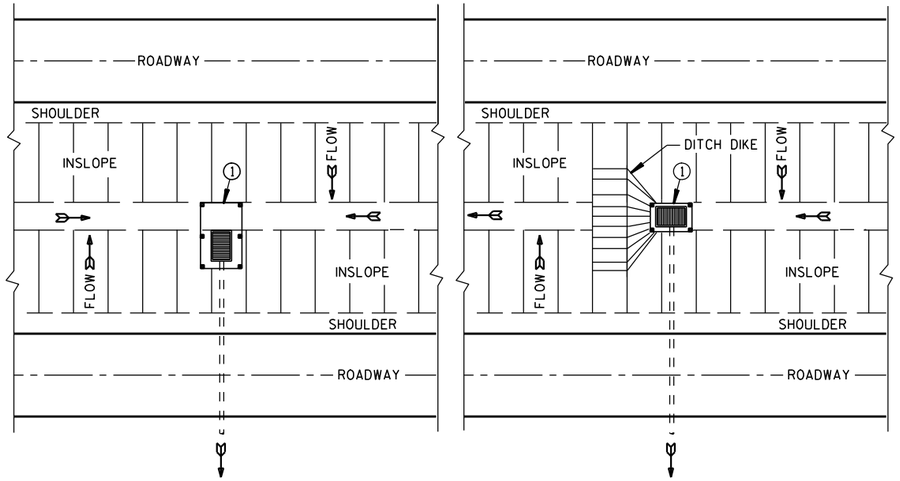
6

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.

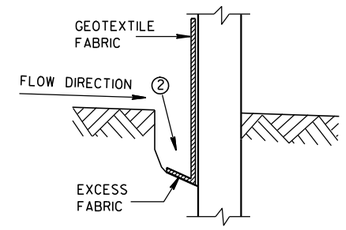
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

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.

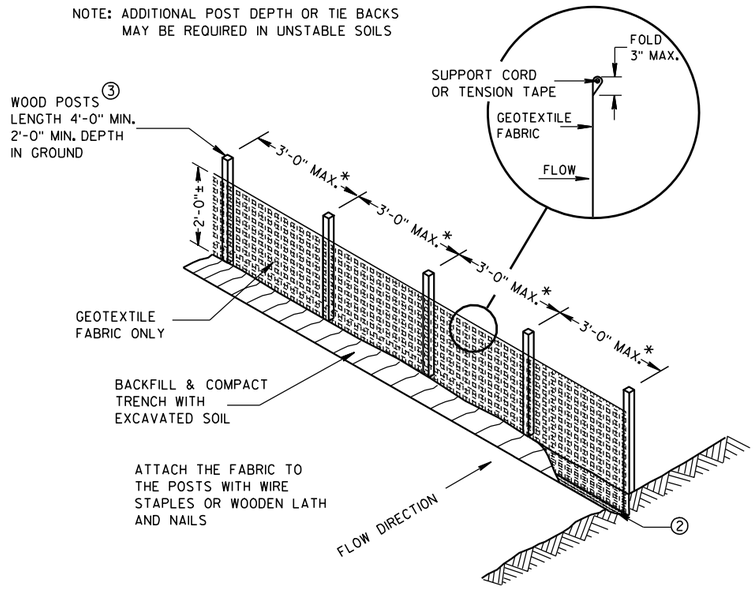
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

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

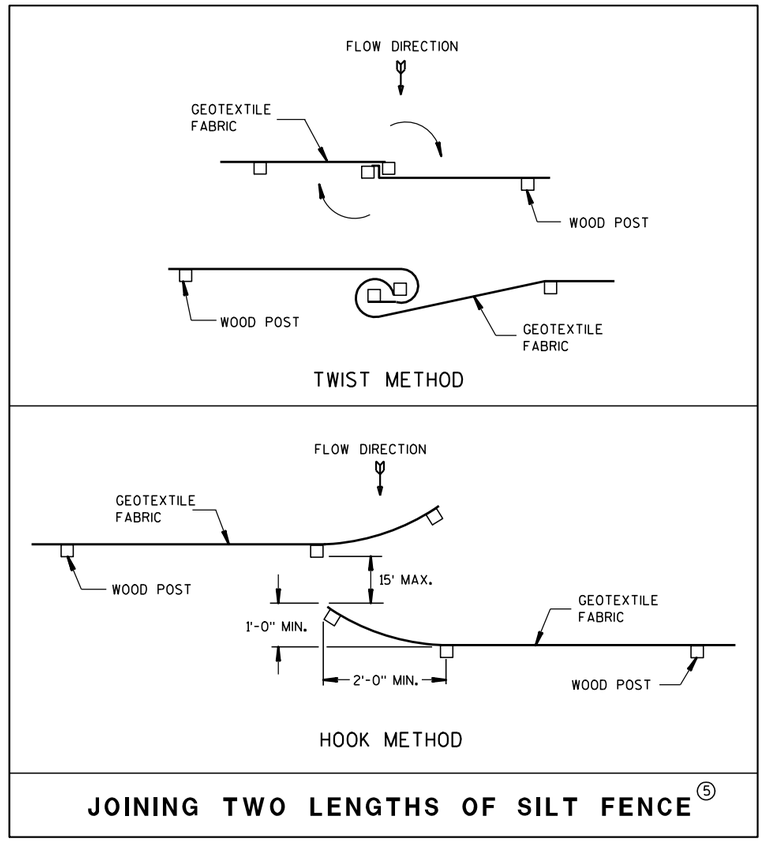
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



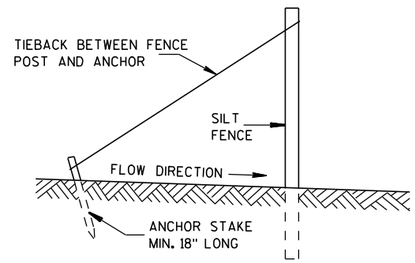
TRENCH DETAIL



SILT FENCE



JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

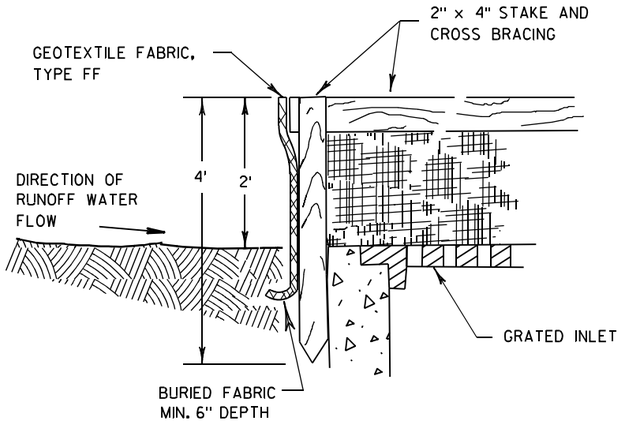
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

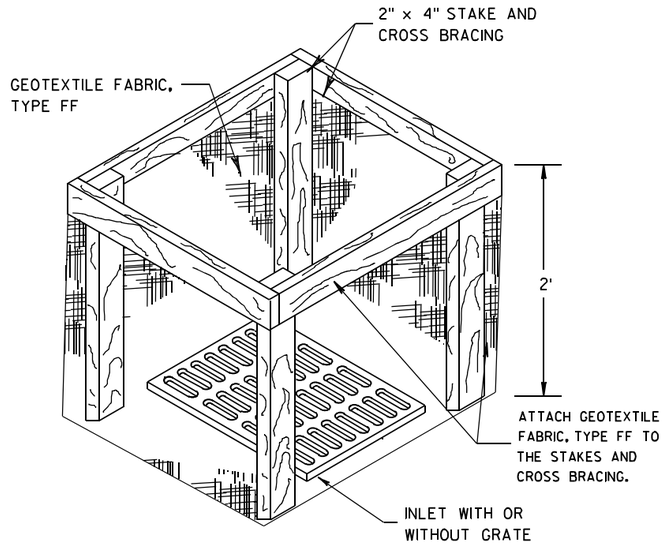
6

S.D.D. 8 E 9-6

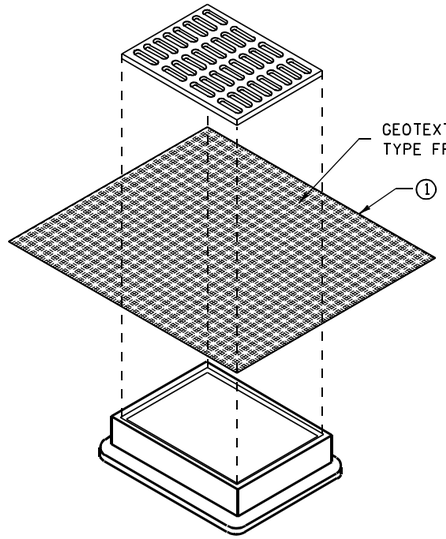
6

S.D.D. 8 E 9-6



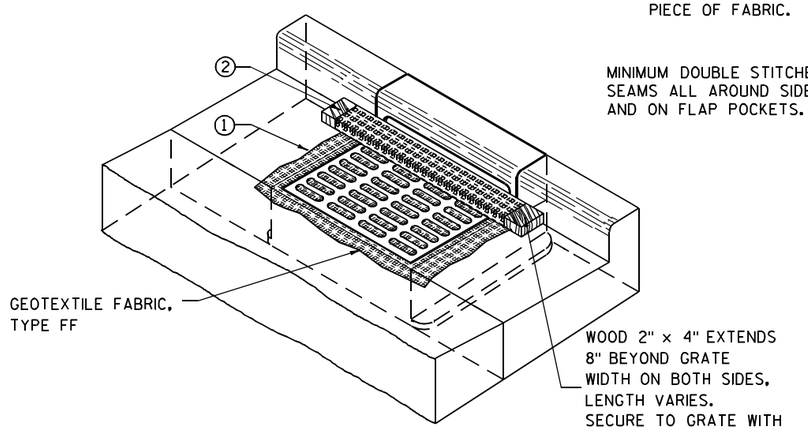


INLET PROTECTION, TYPE A

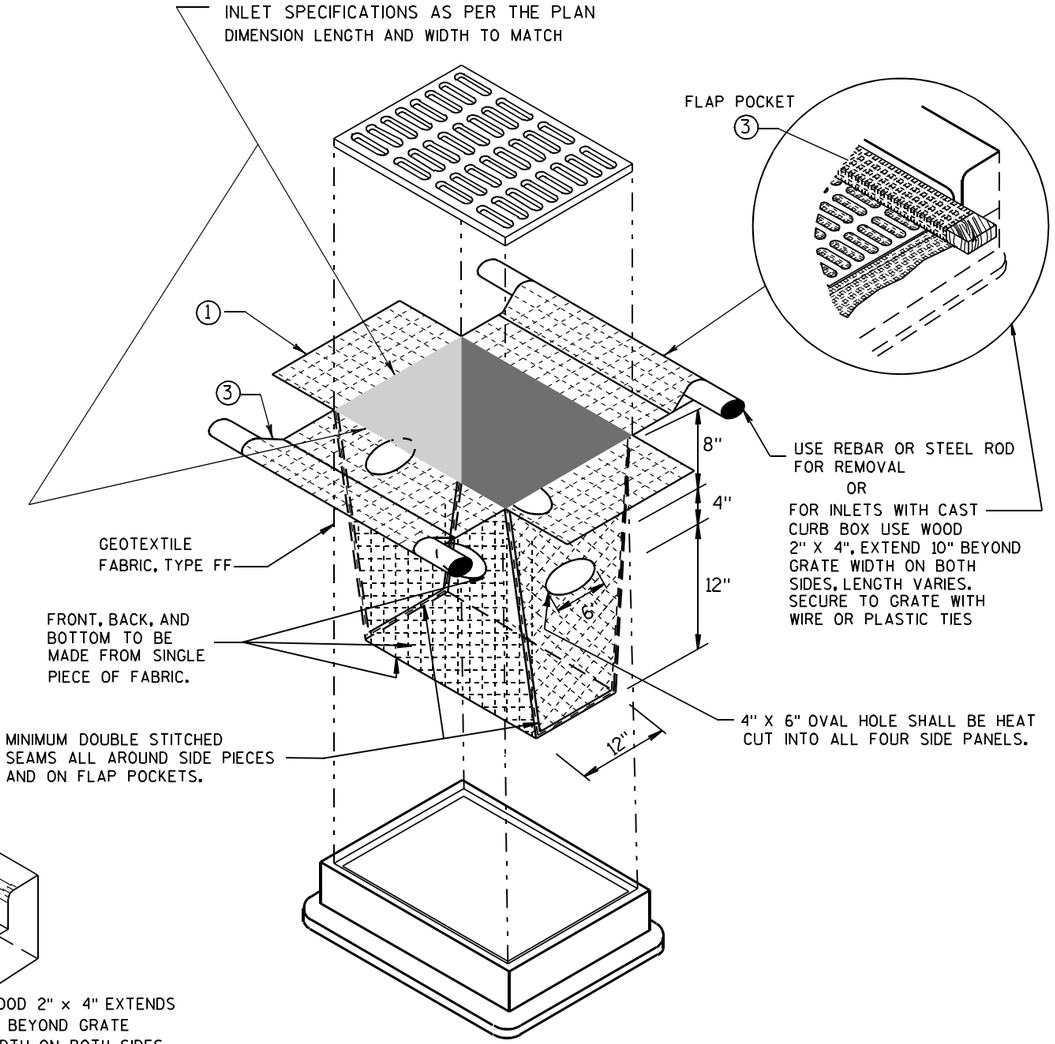


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE 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

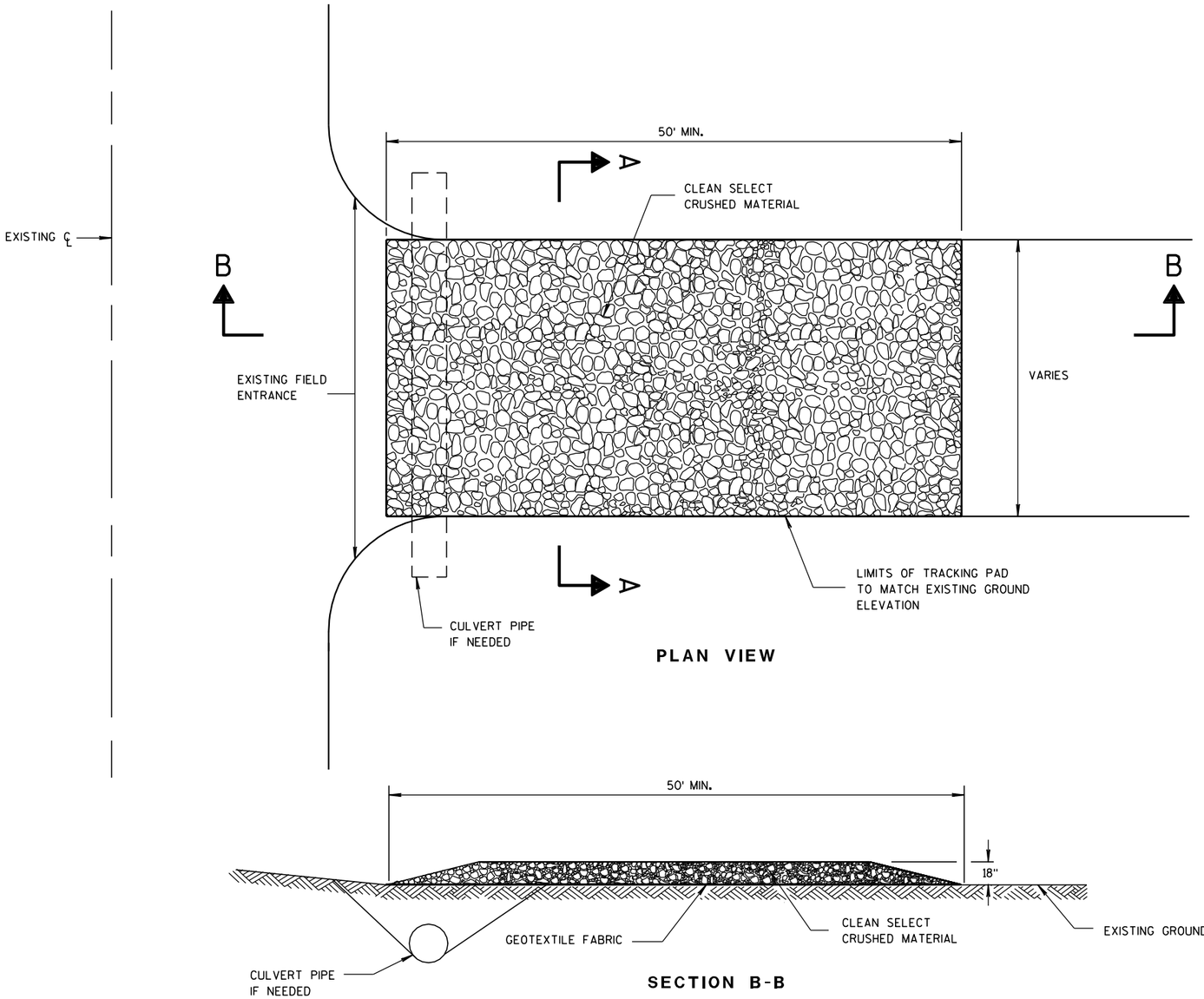
FHWA

6

S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2



PLAN VIEW

SECTION B-B

GENERAL NOTES

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

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

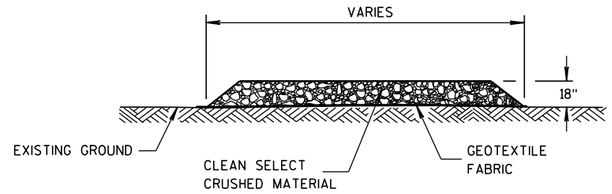
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

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

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

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

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



SECTION A-A

TRACKING PAD

6

S.D.D. 8 E 14-1

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS ENGINEER
ENT
FHWA

6

S.D.D. 8 E 14-1

METAL APRON ENDWALLS

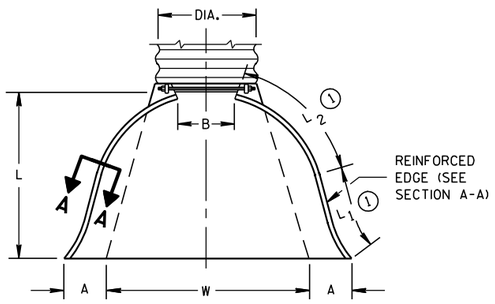
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

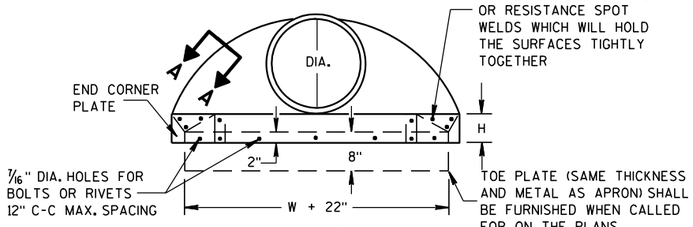
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

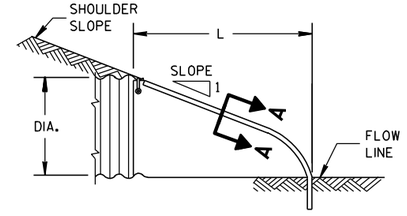
*MINIMUM
**MAXIMUM



PLAN VIEW

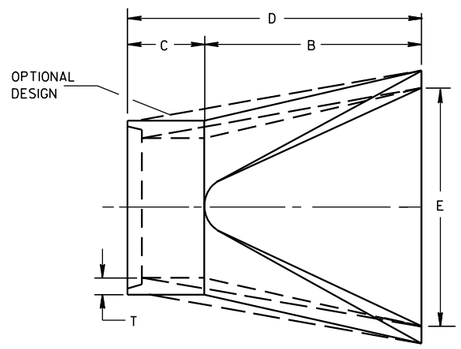


END VIEW

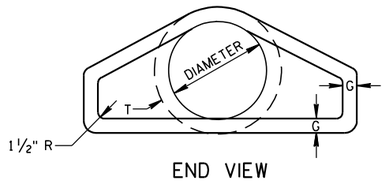


SIDE ELEVATION

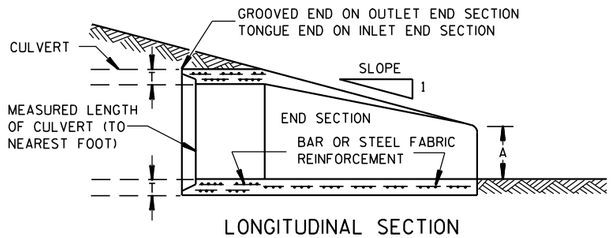
METAL ENDWALLS



PLAN

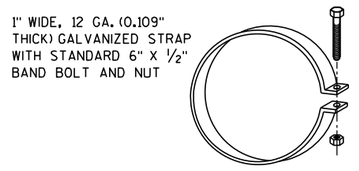


END VIEW



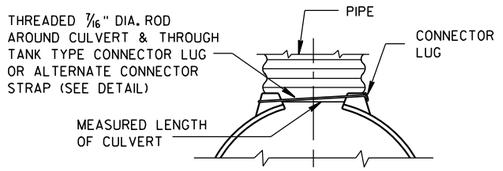
LONGITUDINAL SECTION

CONCRETE ENDWALLS

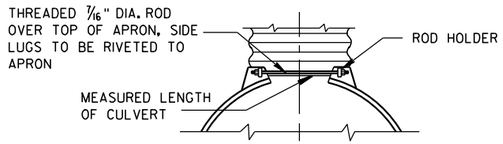


ALTERNATE FOR TYPE 1 CONNECTION

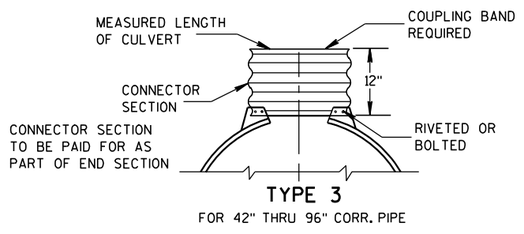
END SECTION CONNECTOR STRAP



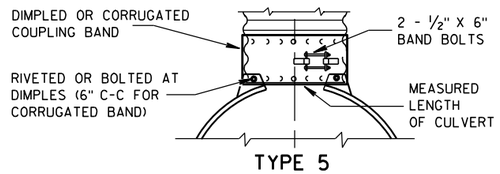
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

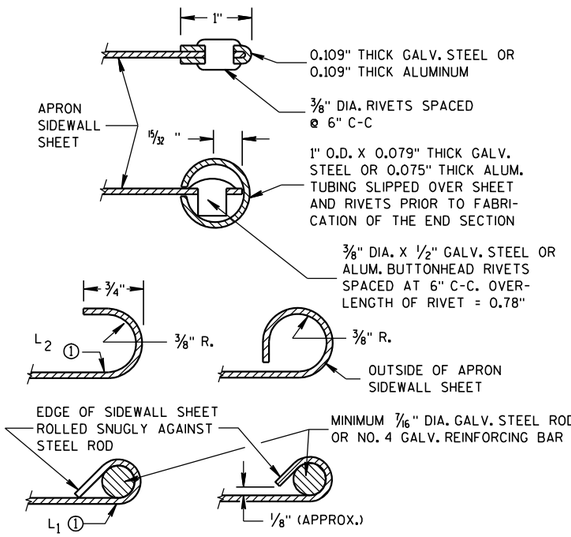
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

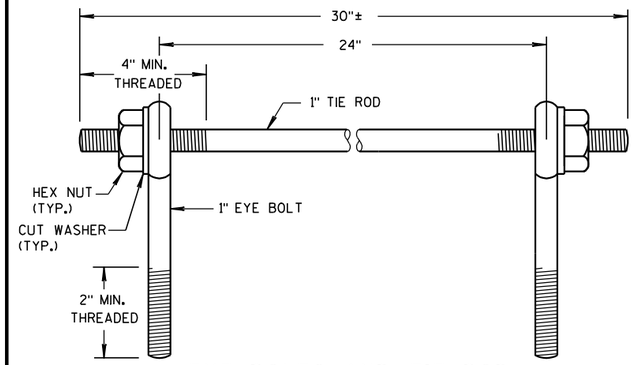
WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

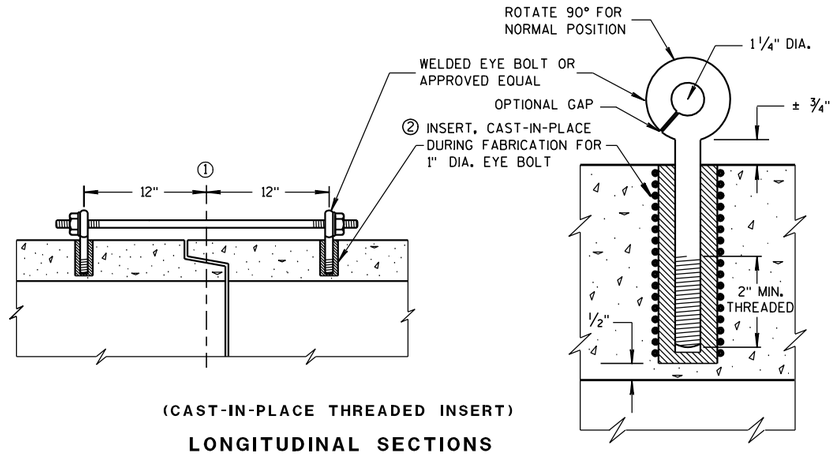
APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

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

GENERAL NOTES

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

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

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

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

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

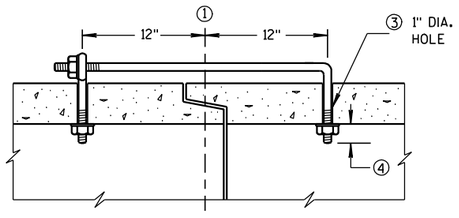
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

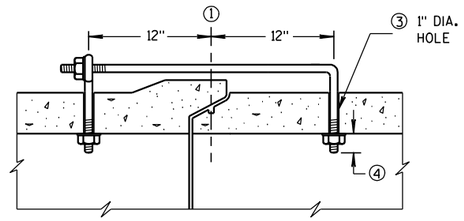
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

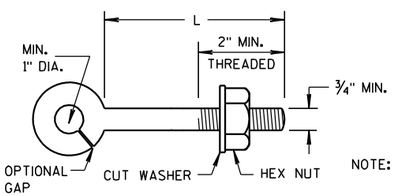


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

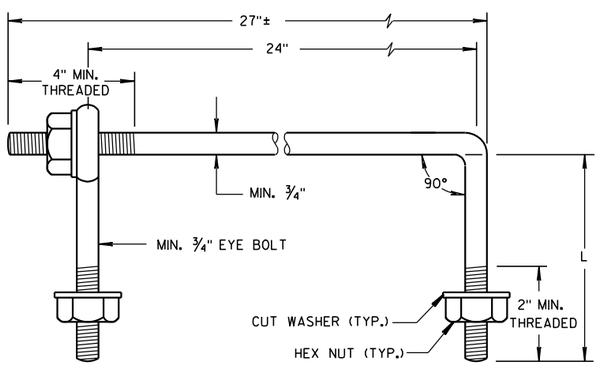
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

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



EYE BOLT AND TIE ROD

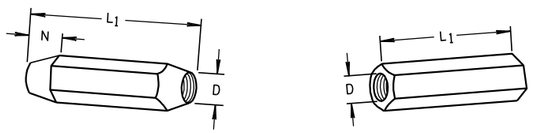
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

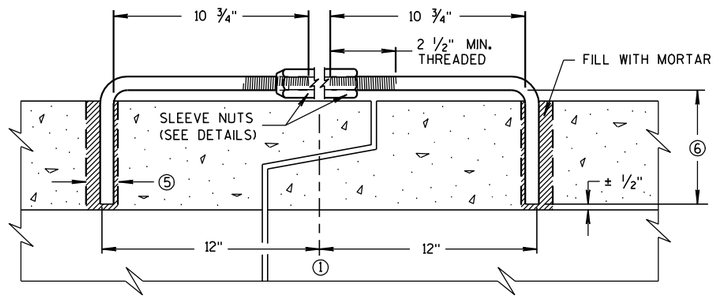
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

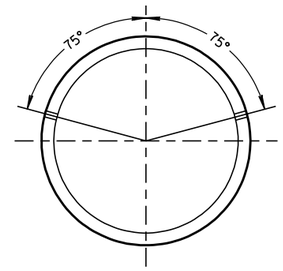
SLEEVE NUTS



LONGITUDINAL SECTION

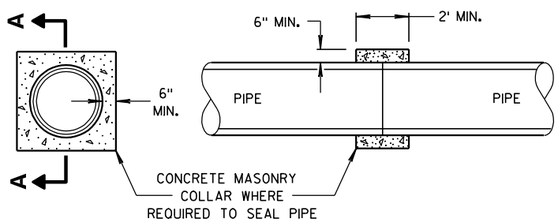
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



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

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
211
FHWA

6

S.D.D. 8 F 4-7

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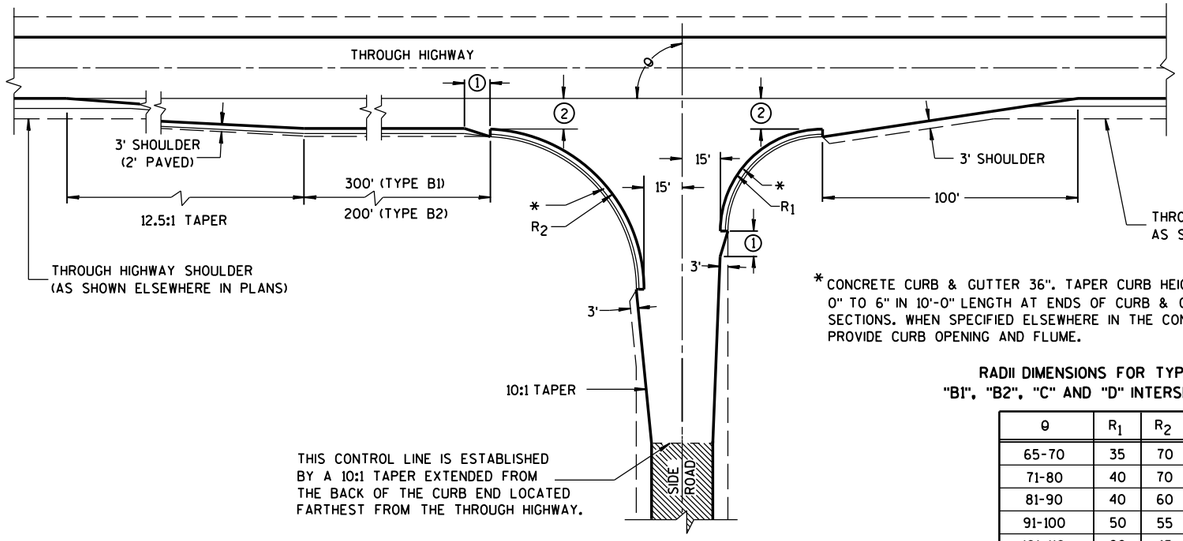
S.D.D. 8 F 4-7

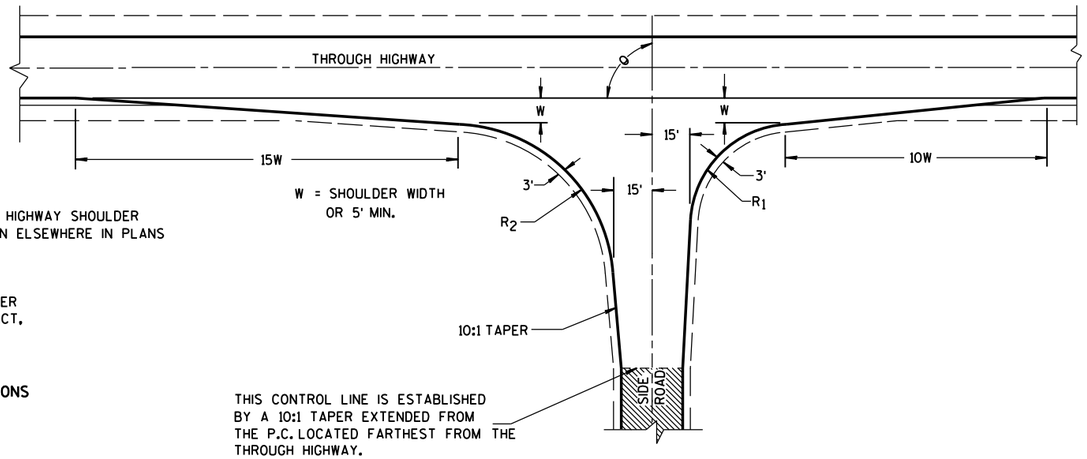


TYPE "B1" AND "B2"

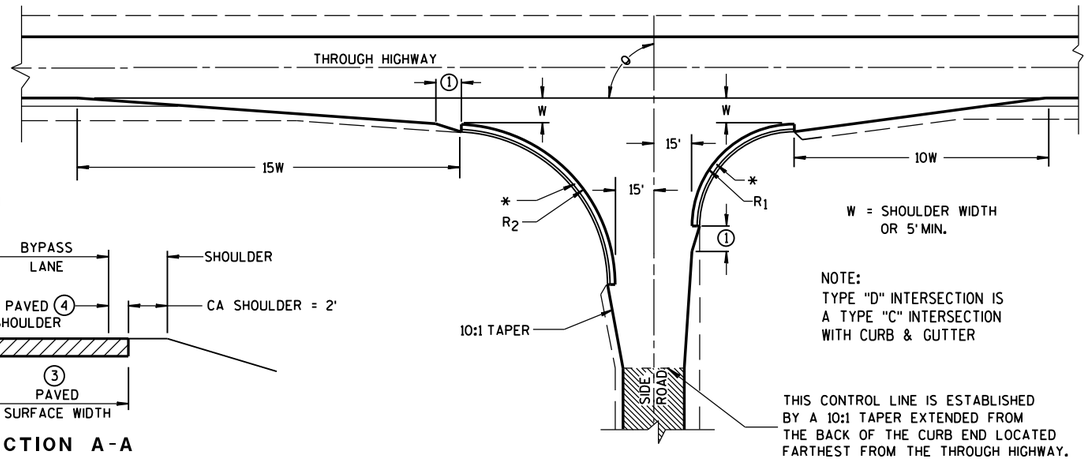
*CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65-70	35	70
71-80	40	70
81-90	40	60
91-100	50	55
101-110	60	45



TYPE "C"



TYPE "D"

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

EXISTING PAVED SURFACE

BYPASS LANE

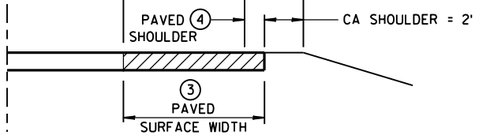
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

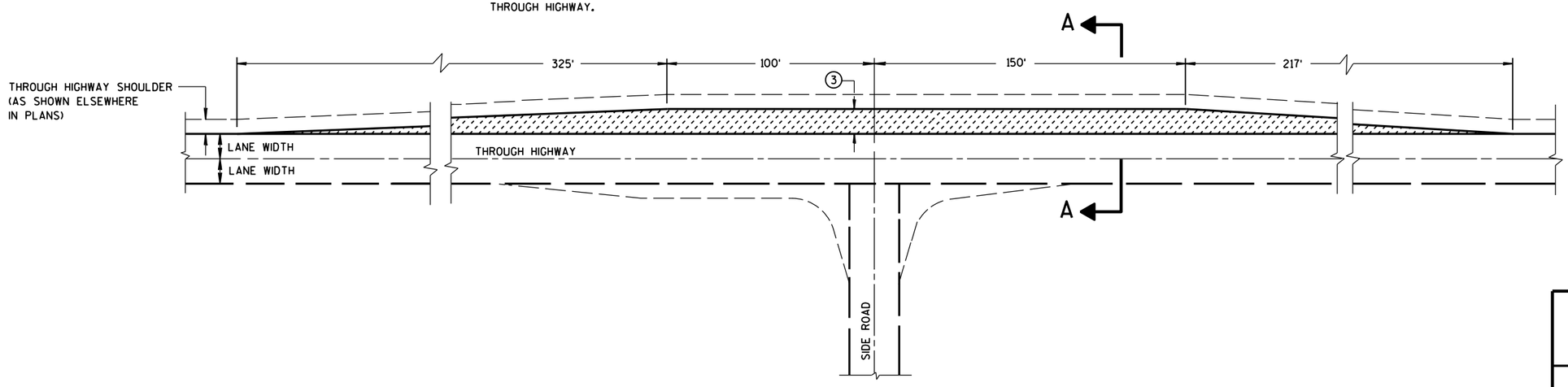
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
-ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH.
-PC CPNCRETE = 13-FT PLUS PAVED SHOULDER WIDTH.

(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.



SECTION A-A
(SHOWING BYPASS LANE AND SHOULDER)

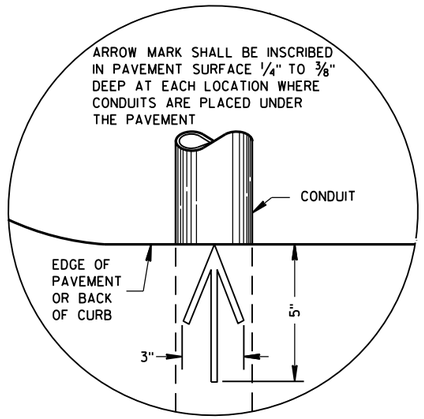


TEE INTERSECTION BYPASS LANE DETAIL

AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND "D" AND TEE INTERSECTION BYPASS LANE

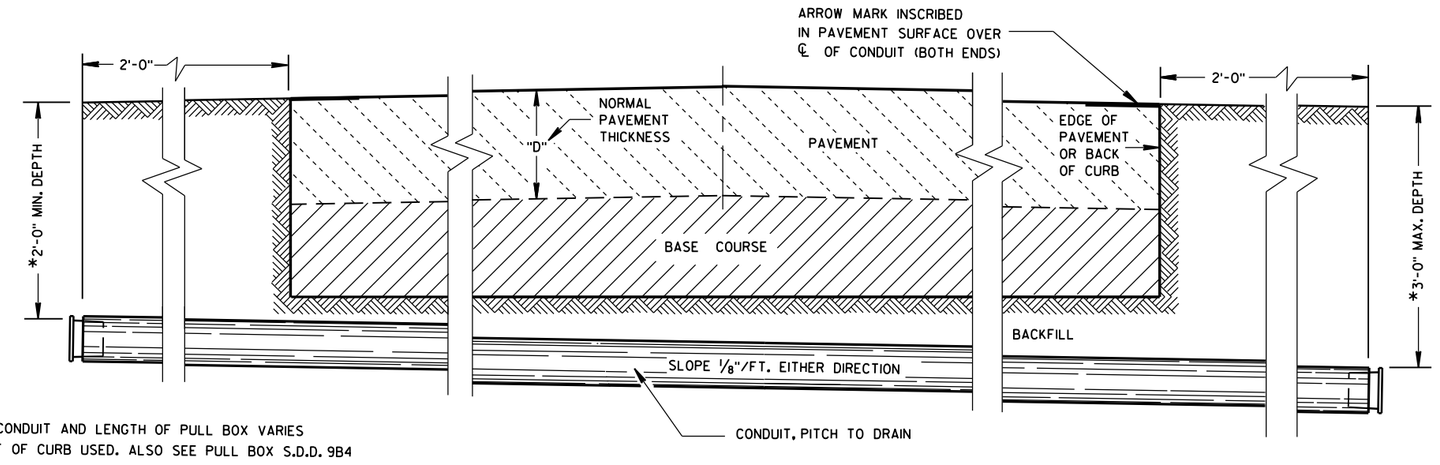
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6
S.D.D. 9 A 1-13a



PLAN VIEW

ARROW MARK



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

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

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

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

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

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

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

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

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

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

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

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

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

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

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

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

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

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

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

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

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

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

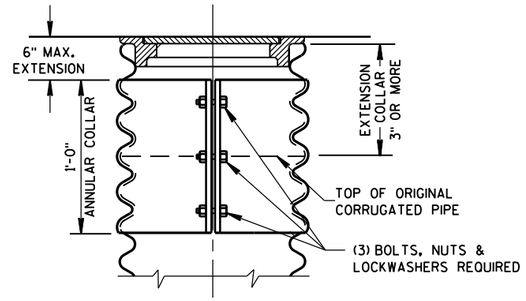
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

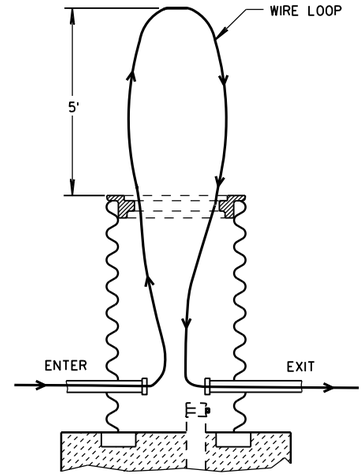
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2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

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

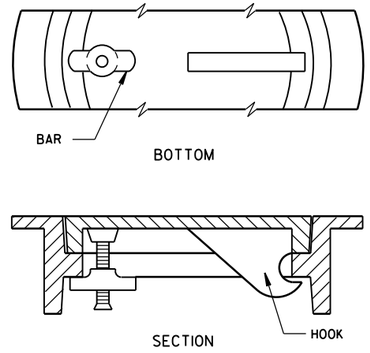
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

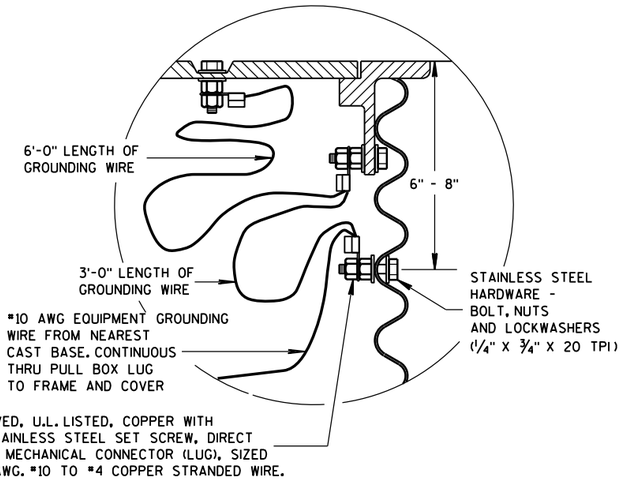


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

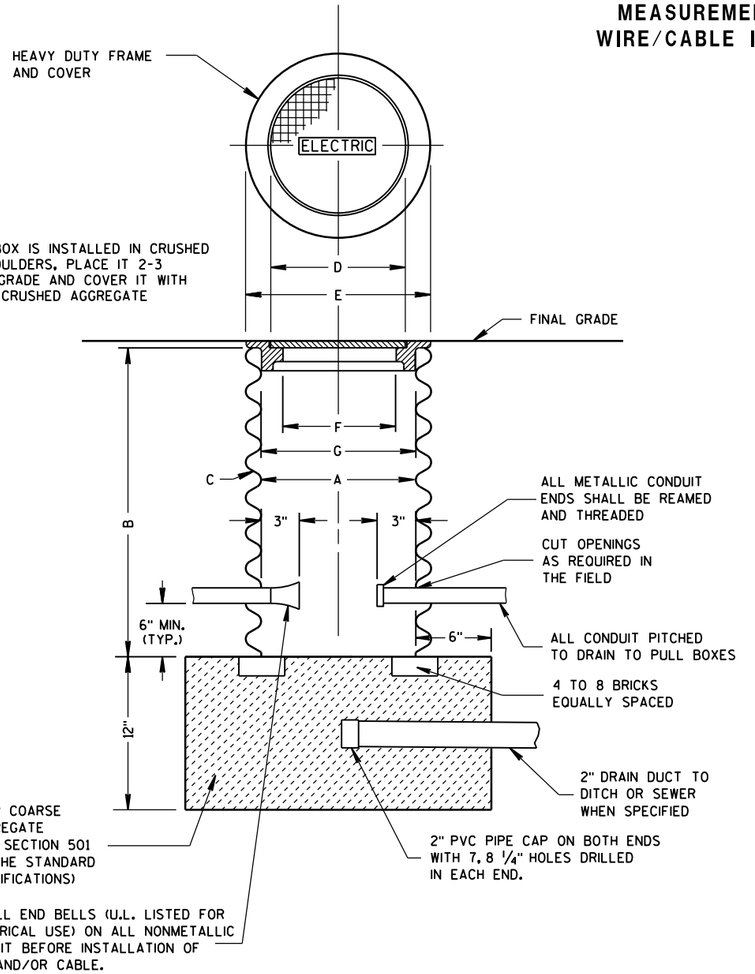


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

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

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

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

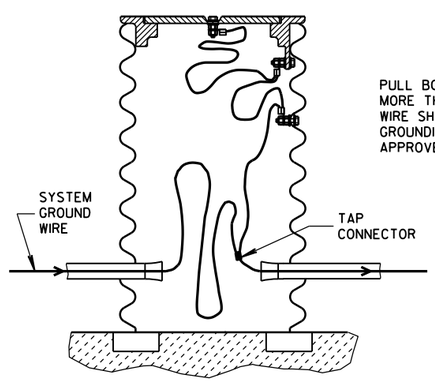
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

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

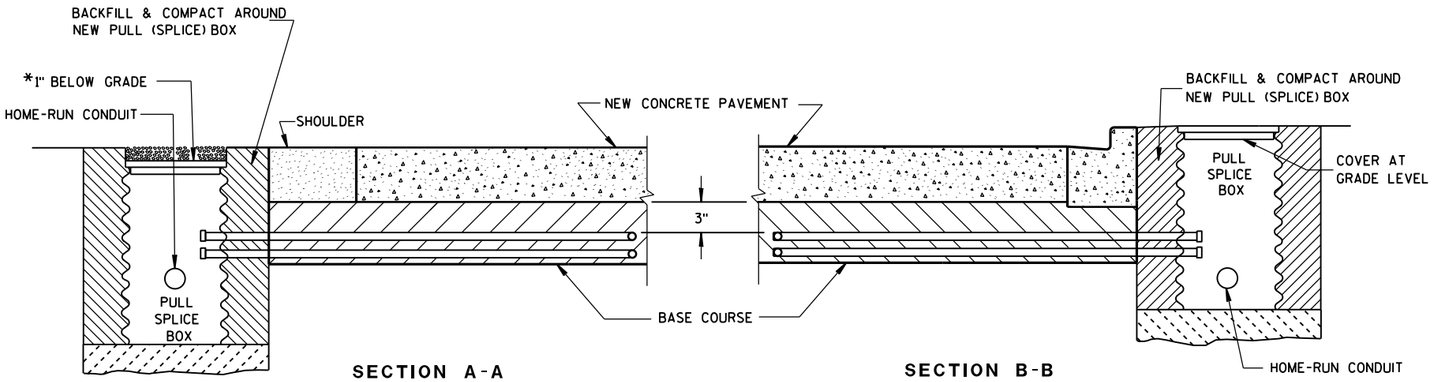
PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6

S.D.D. 9 B 4-11



SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

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

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

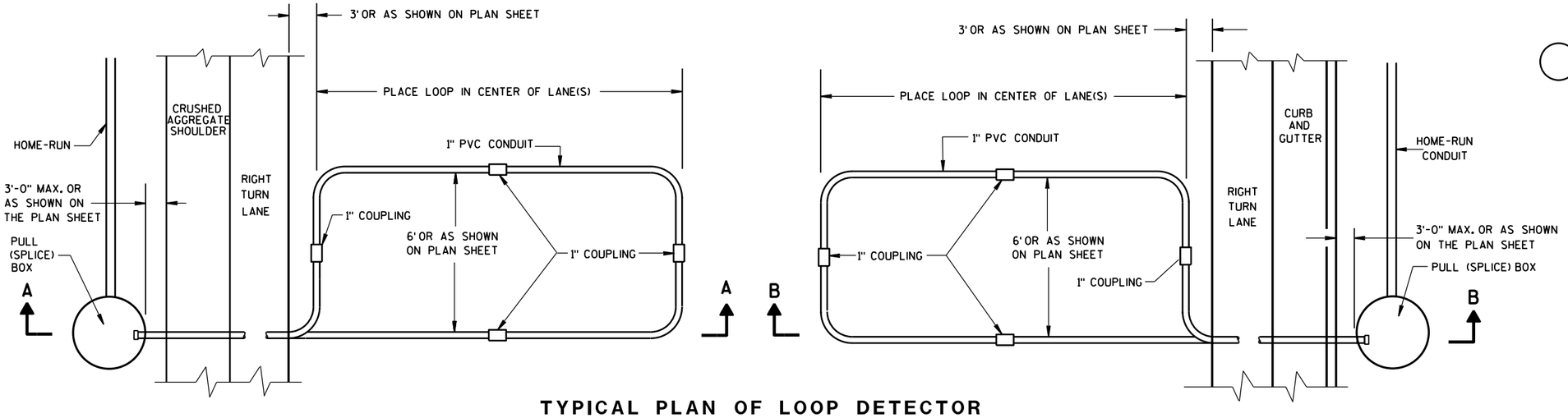
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

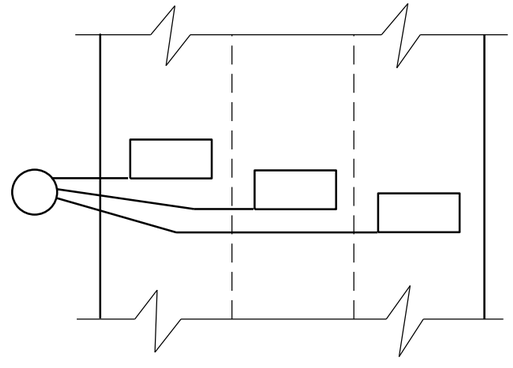
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICED CONTINUOUS LENGTH.

PROTECTION OF THE CONDUITS IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.

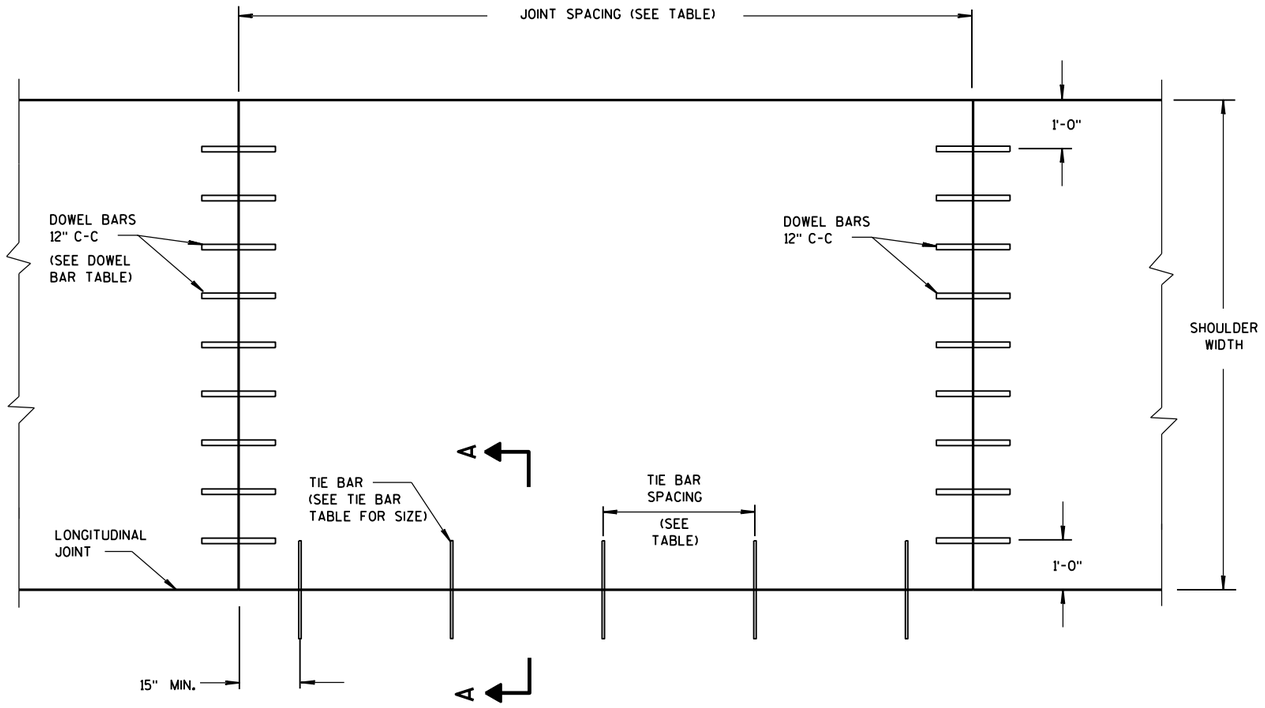


TYPICAL PLAN OF LOOP DETECTOR WITH 24" PULL (SPLICE) BOX



MULTI-LANE INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED Sept. 2014 — DATE /S/ Ahmet Demirbilek — STATE ELECTRICAL FHWA



PLAN VIEW

CONCRETE PAVEMENT SHOULDER

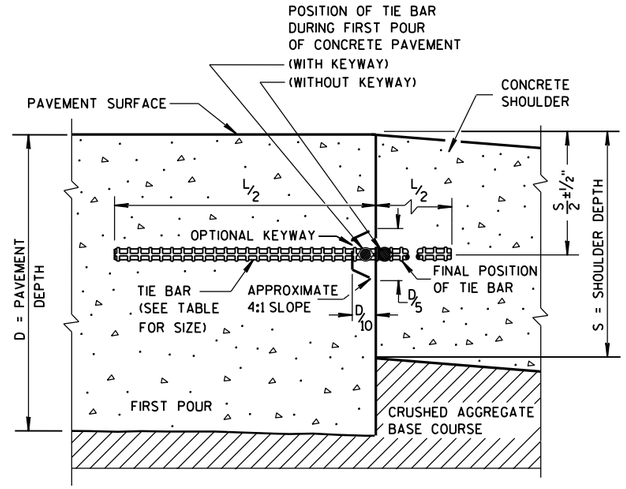
GENERAL NOTES

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.

TRANSVERSE JOINT DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

FINISH THE SHOULDER PAVEMENT CONFORMING TO SUBSECTION 415.3.8 OF THE STANDARD SPECIFICATIONS.

TIE BARS SHALL CONFORM TO SUBSECTION 505.2.4 OF THE STANDARD SPECIFICATIONS.



SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4*	30"	24"**

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

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

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER***	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'

*** FOR DOWELED CONCRETE SHOULDERS WITH TRAPEZOIDAL CROSS SECTIONS, CHOSE THE APPROPRIATE DOWEL BAR DIAMETER BASED ON THE SMALLER PAVEMENT DEPTH (LIKELY THE OUTSIDE EDGE OF THE SHOULDER). IF USING BASKETS, USE BASKETS FOR THE AVERAGE THICKNESS OF THE CROSS SECTION.

CONCRETE PAVEMENT SHOULDERS

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 A 3-6

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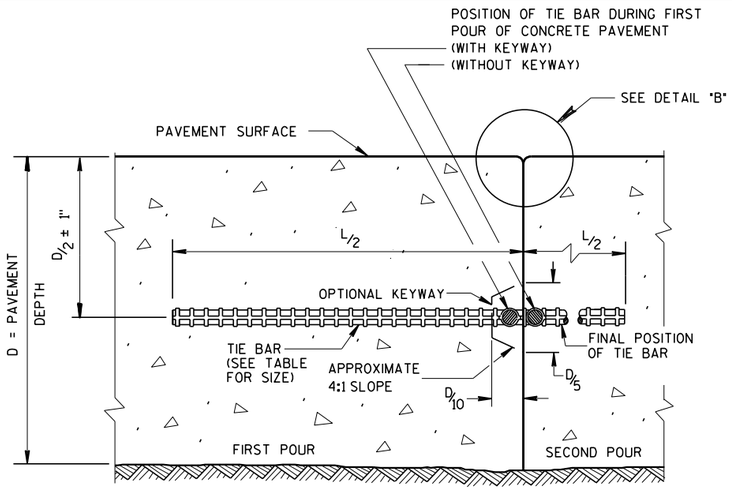
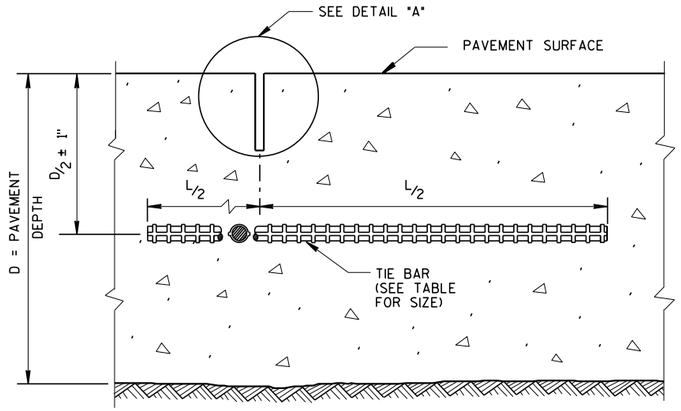
S.D.D. 13 A 3-6



CONSTRUCTION JOINT



SAWED JOINT

GENERAL NOTES

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

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

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

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

PLAN VIEW

SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

DETAIL "A"

DETAIL "B"

DETAIL "C"

TIE BAR TABLE

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

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

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

PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE
/S/ Peter Kemp PE
PAVEMENT SUPE
FHWA

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S.D.D. 13 C 1-19

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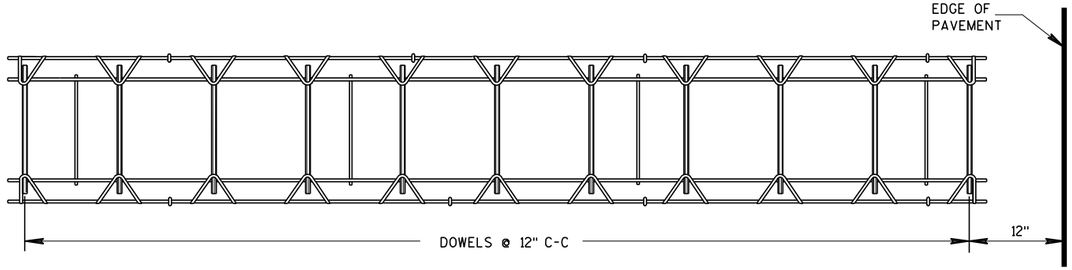
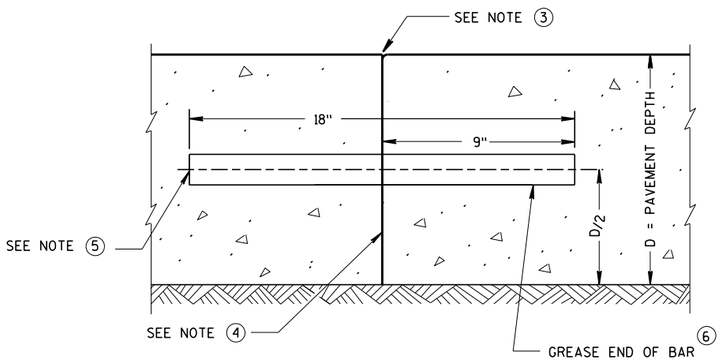
S.D.D. 13 C 1-19



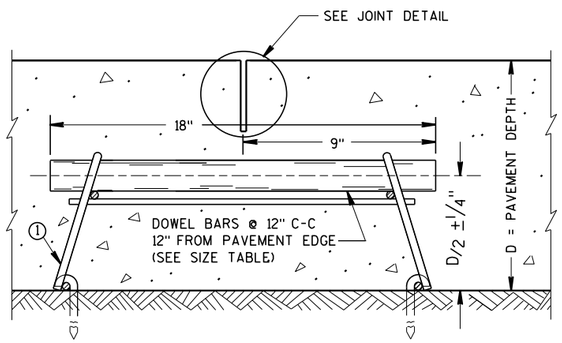
PLAN VIEW

SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY ①



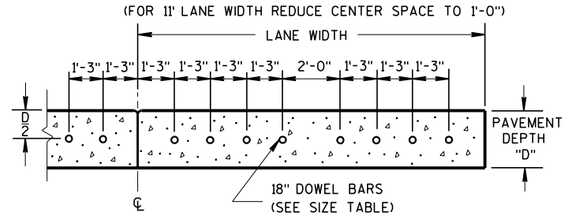
TRANSVERSE CONSTRUCTION JOINT



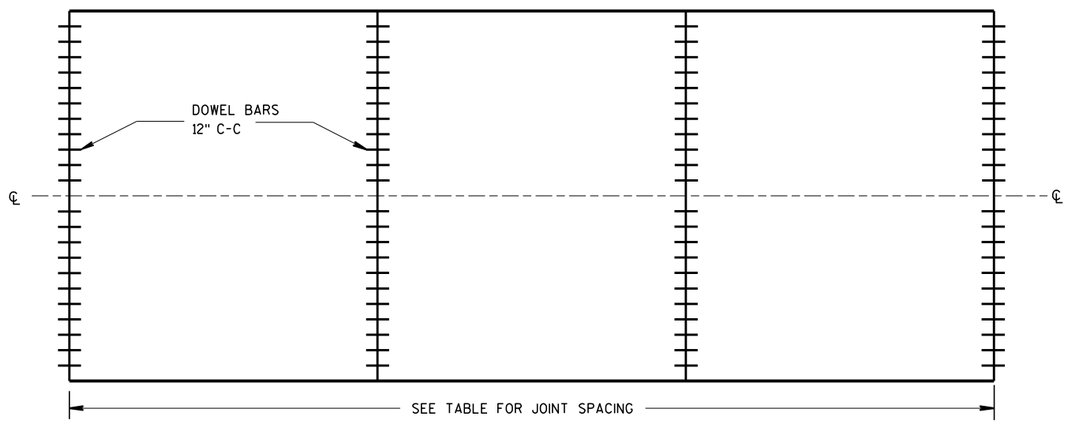
DOWELED CONTRACTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'



DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦



CONTRACTION JOINT LOCATIONS

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES AND A MAXIMUM OF 18 INCHES FROM THE LONGITUDINAL JOINT AND THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

① OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTING CONTRACTION JOINTS.

② SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

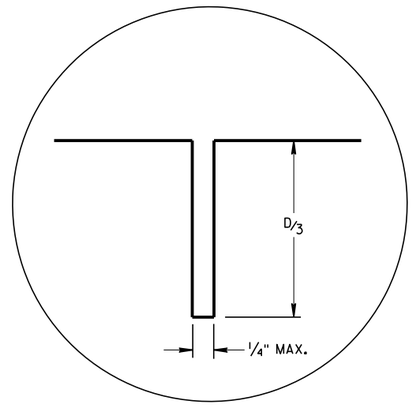
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼-INCH RADIUS AT FORMED JOINTS.

④ PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

⑤ INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO *DRILLED DOWEL BAR CONSTRUCTION JOINT* DETAIL.

⑥ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

⑦ ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



JOINT DETAIL

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUP

FHWA

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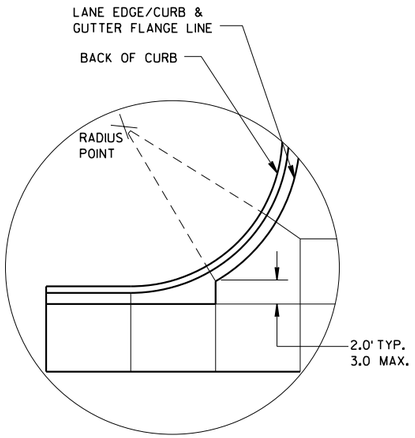
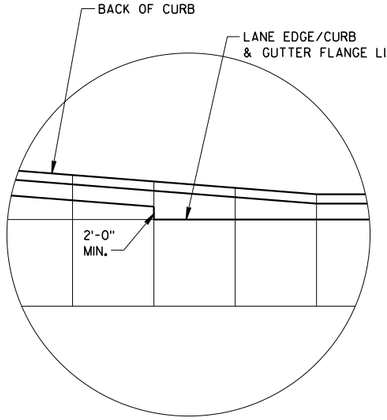
S.D.D. 13 C 13-9



DETAIL "A"



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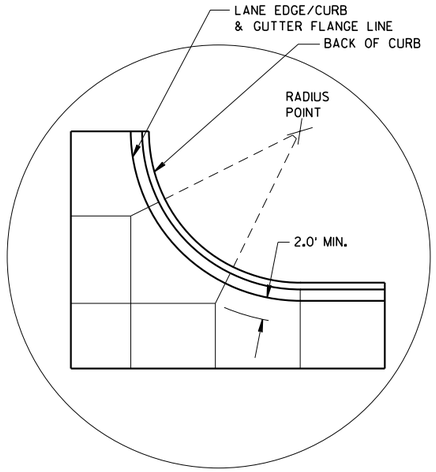
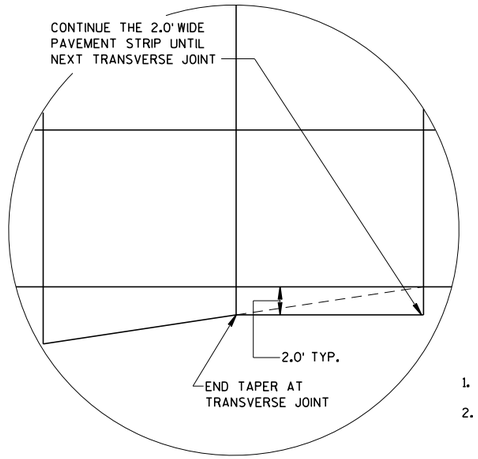


DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G. MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

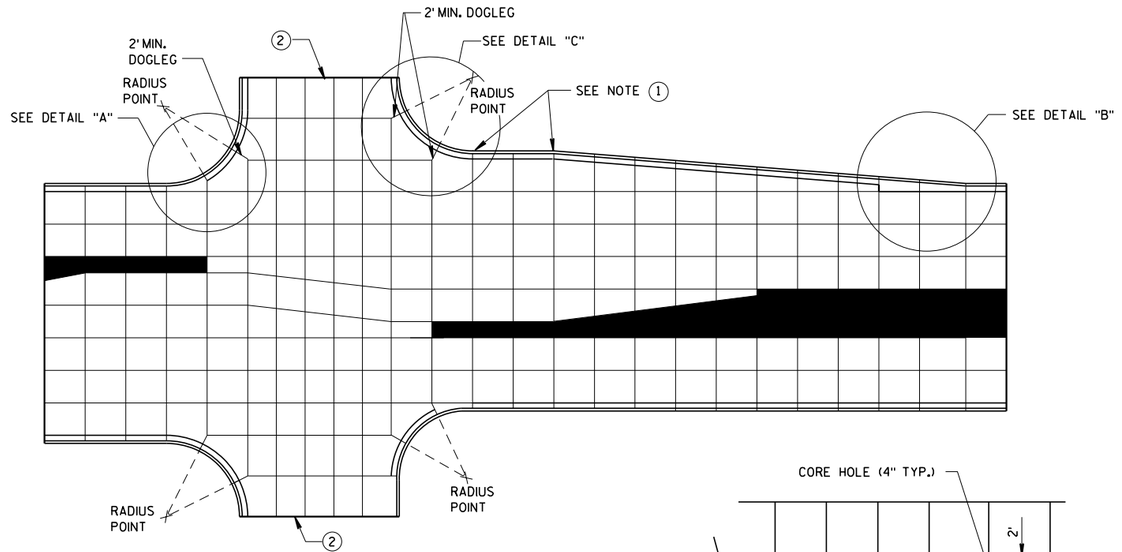
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

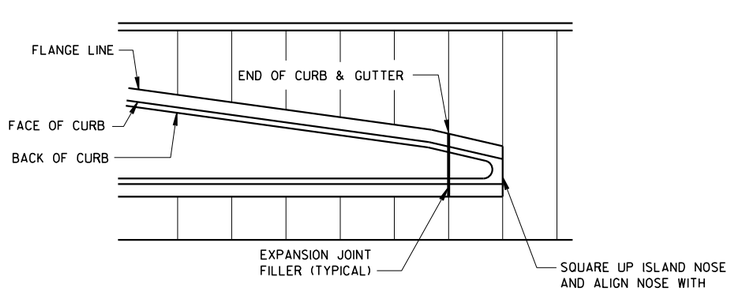
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



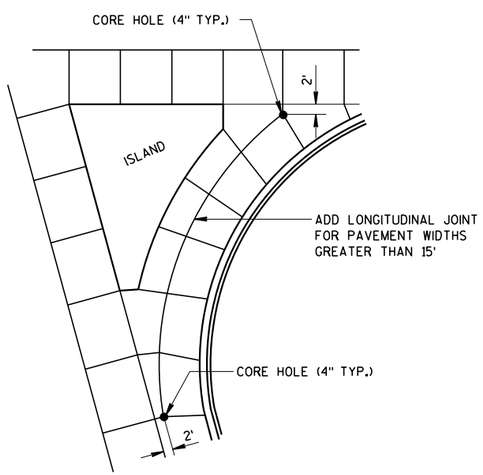
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

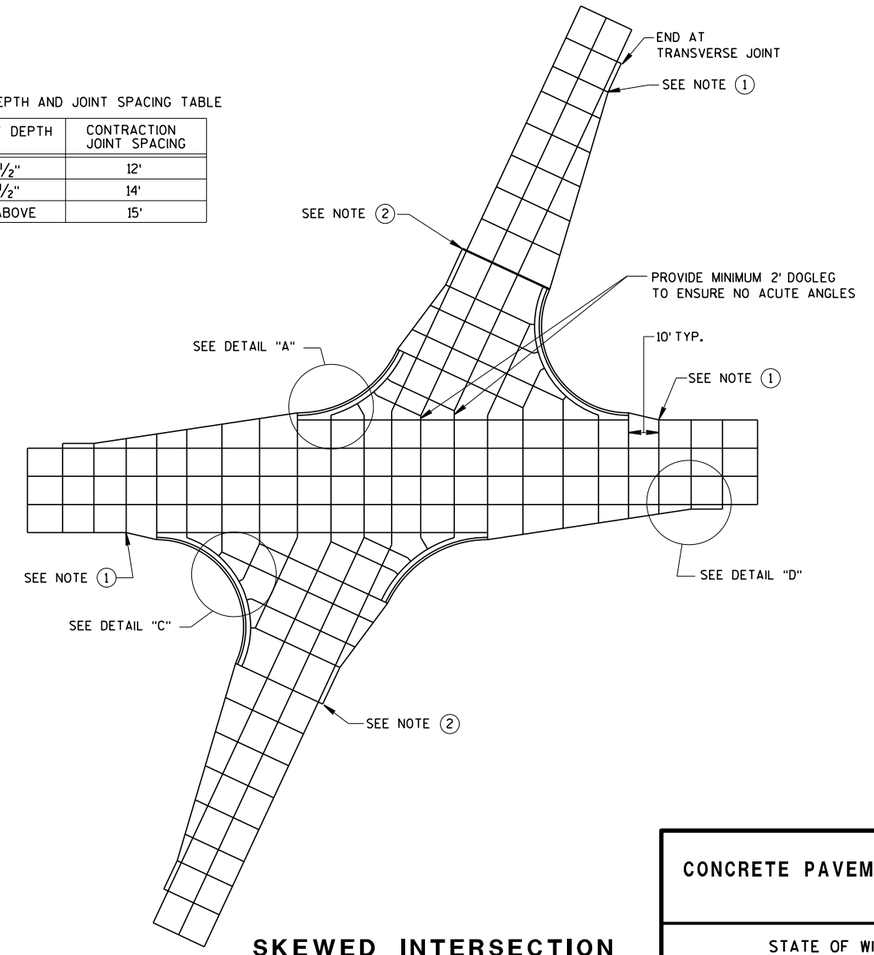
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'



APPROACH TO MEDIAN



LARGE RIGHT TURN



SKEWED INTERSECTION

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

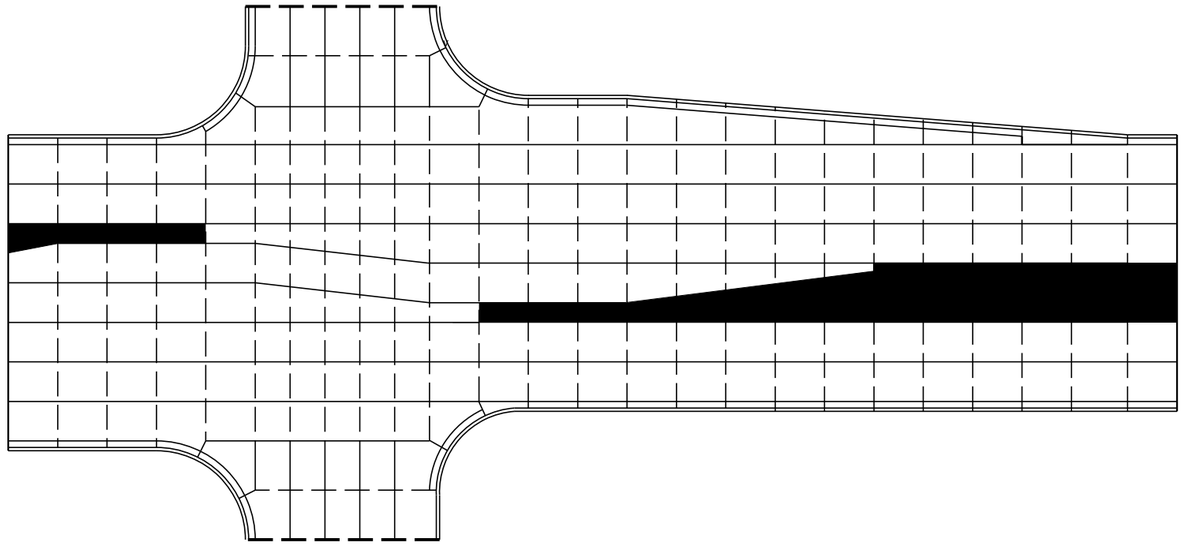
6
S.D.D. 13 C 18-6a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

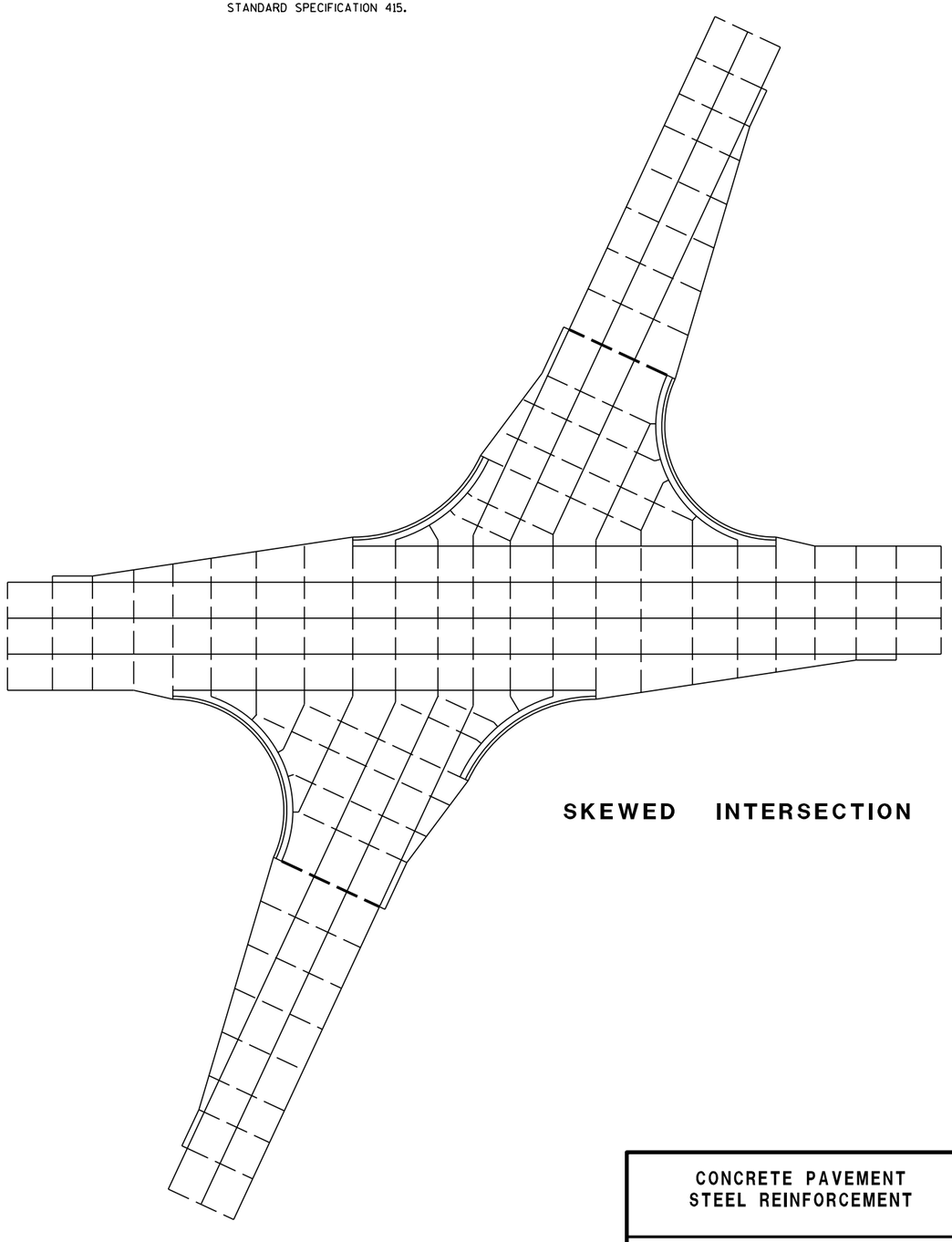
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

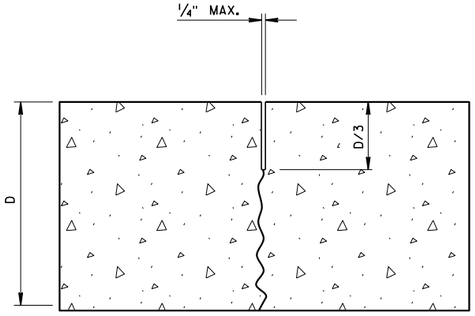
S.D.D. 13 C 18-6b

CONCRETE PAVEMENT
STEEL REINFORCEMENT

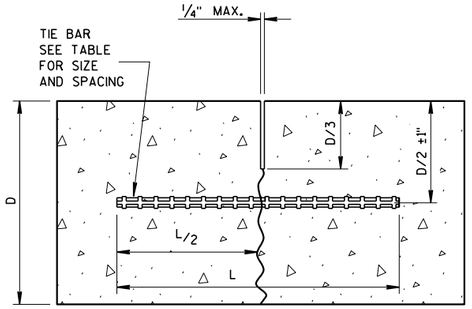
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 13 C 18-6b



UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

TIE BAR TABLE

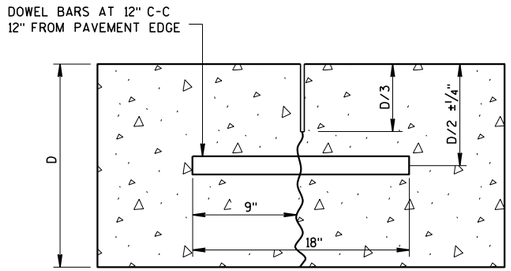
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* 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.

GENERAL NOTES

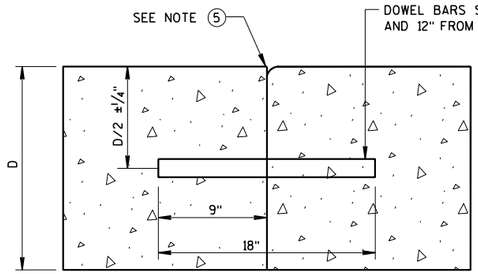
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A 1/4-INCH RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



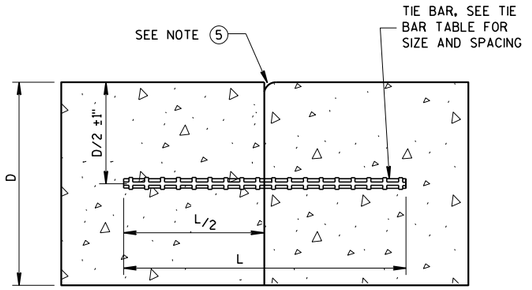
DOWELED-TRANSVERSE

CONTRACTION JOINTS

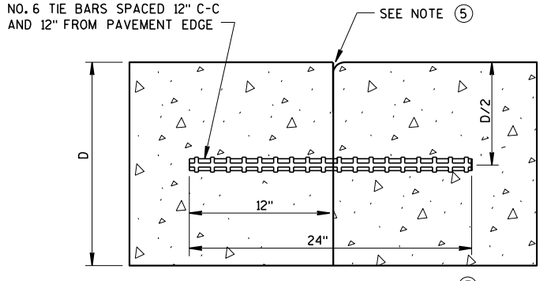
SEE NOTE (2)



DOWELED TRANSVERSE (3)

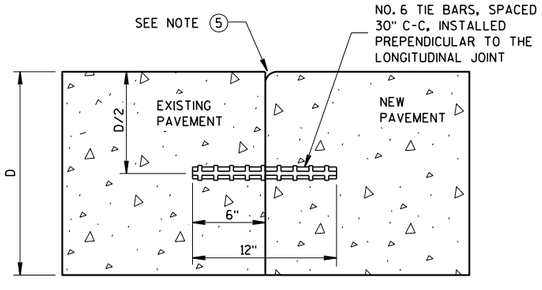


TIED LONGITUDINAL



TIED TRANSVERSE (3)

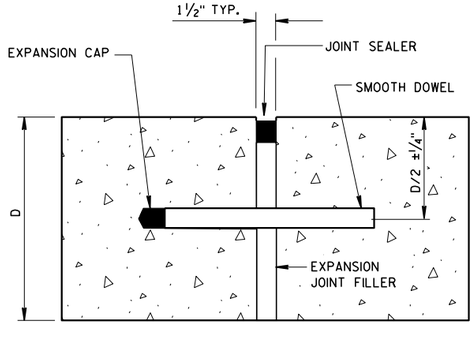
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

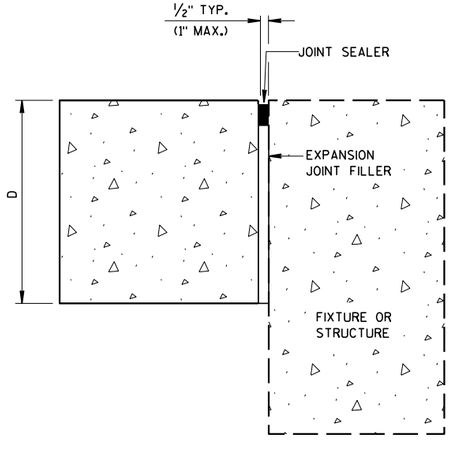
CONSTRUCTION JOINTS

SEE NOTE (4)



DOWELED-TRANSVERSE

SEE NOTE (1)



UNTIED-LONGITUDINAL

EXPANSION JOINTS

6

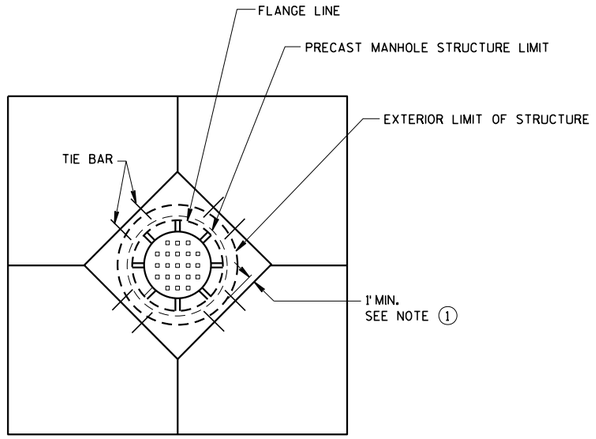
S.D.D. 13 C 18-6c

CONCRETE PAVEMENT
JOINT TYPES

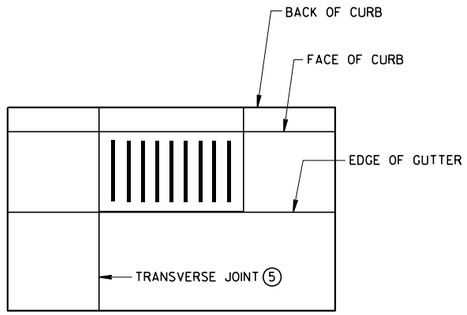
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

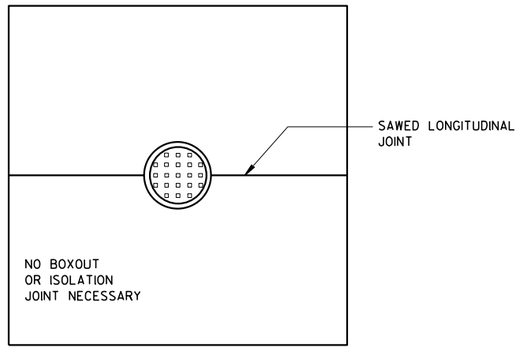
S.D.D. 13 C 18-6c



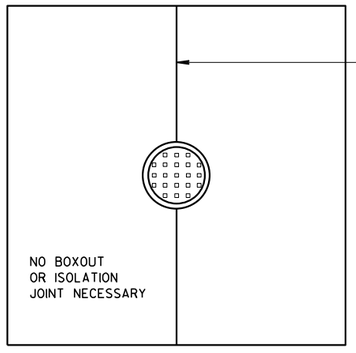
DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS



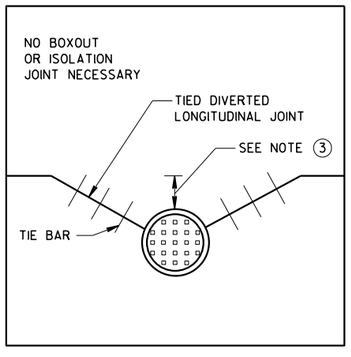
INLET WITH TRANSVERSE JOINT



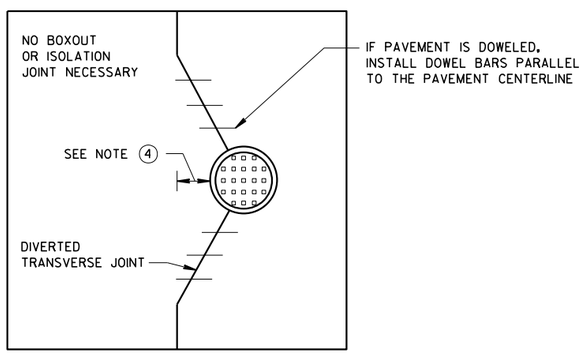
MANHOLE WITH LONGITUDINAL JOINT



MANHOLE WITH TRANSVERSE JOINT



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT

GENERAL NOTES

(1) USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1-FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.

(2) ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.

(3) IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDIAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

(4) IF DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

(5) ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Peter K[illegible] P.E. — PAVEMENT SUPT
FHWA

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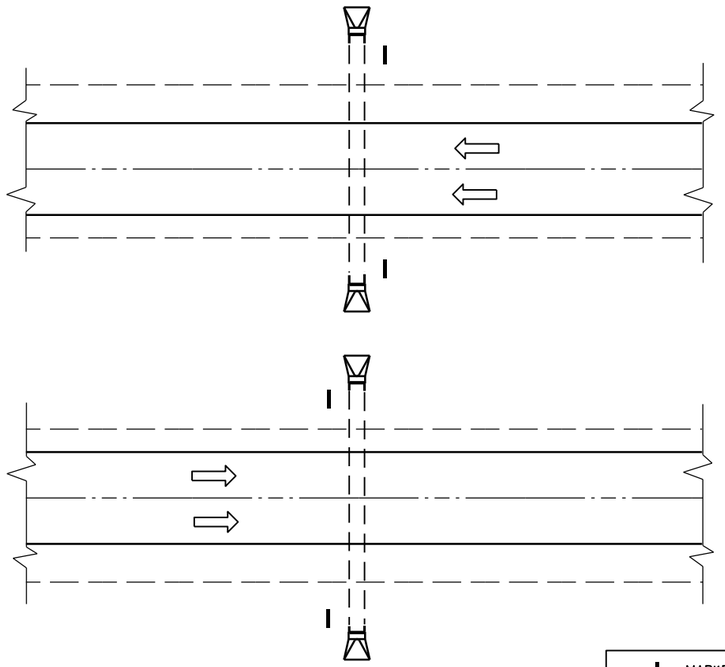
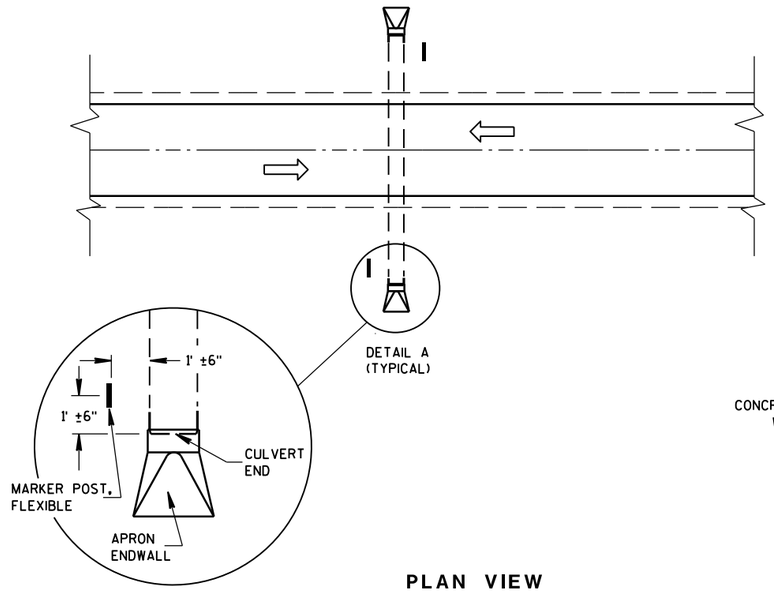
S.D.D. 13 C 18-6d



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

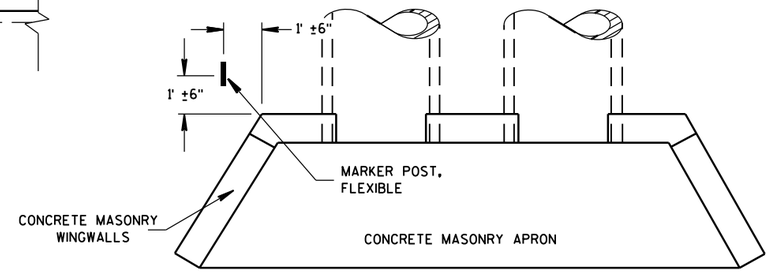
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

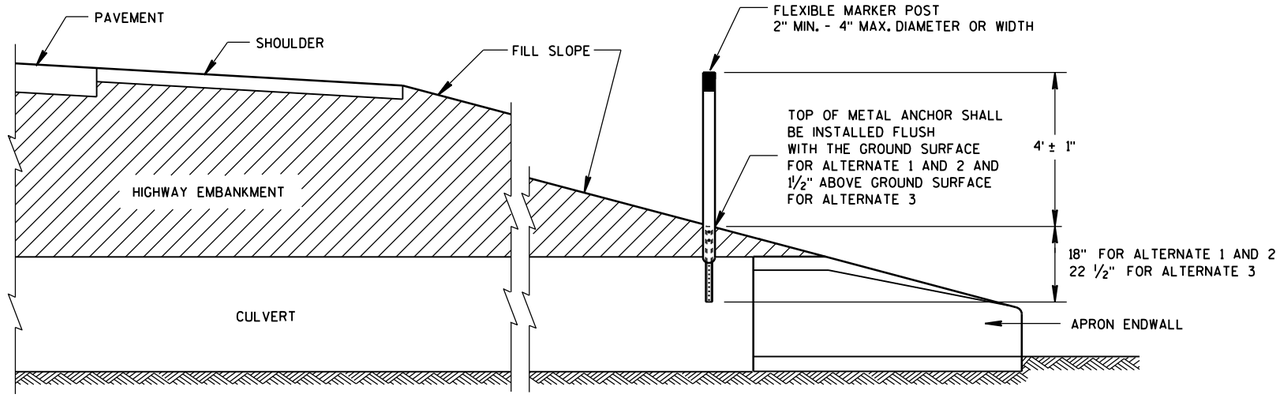
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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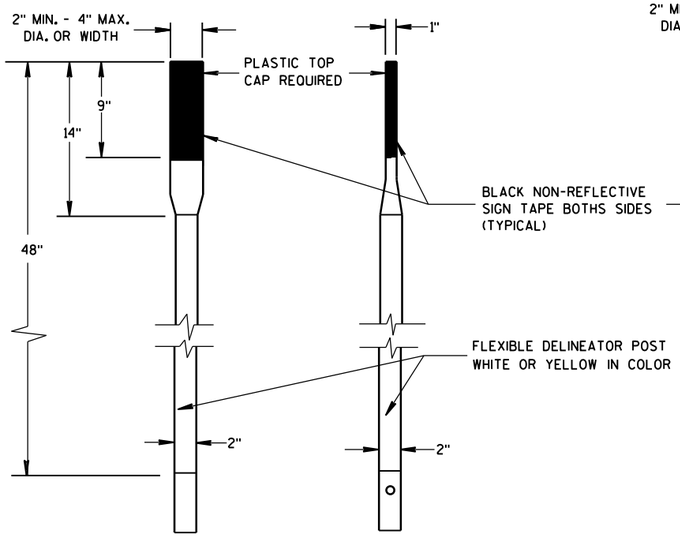
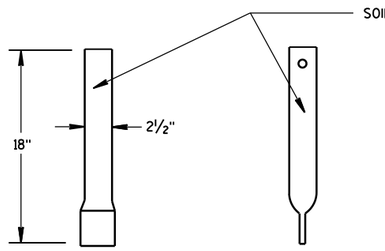
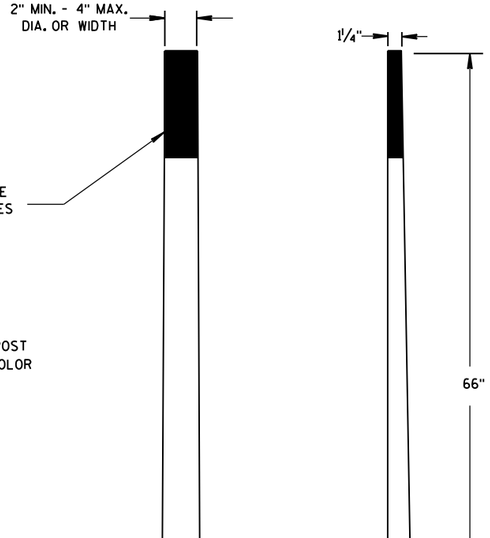
S.D.D. 15 A 3-2a





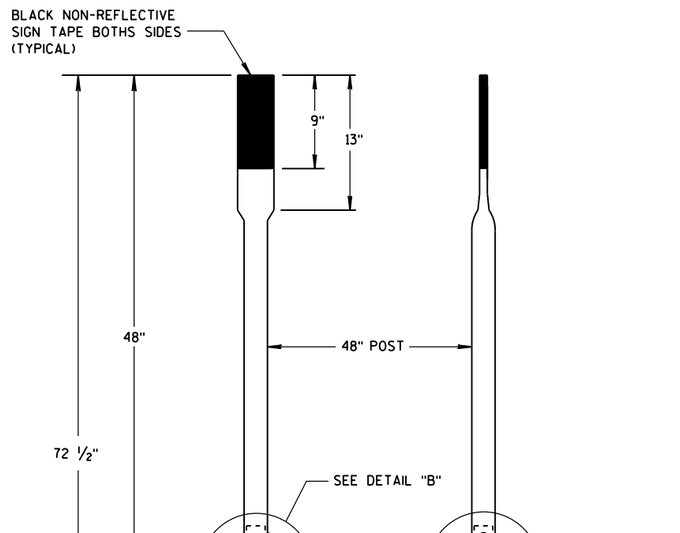
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

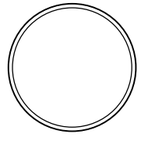
ALTERNATE 2



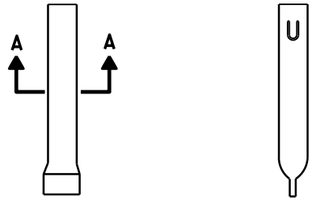
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POSTS

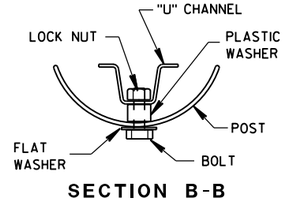


SECTION A-A

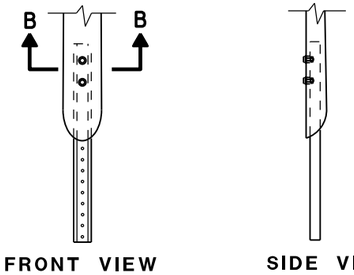


FRONT VIEW SIDE VIEW

ALTERNATE 1

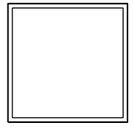


SECTION B-B

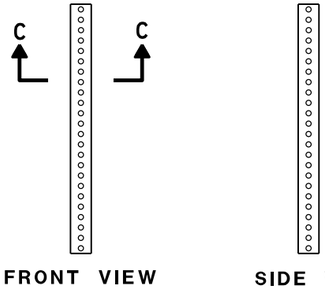


FRONT VIEW SIDE VIEW

ALTERNATE 2



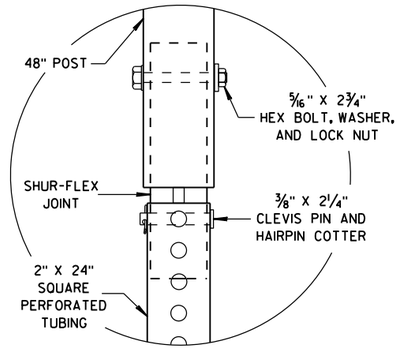
SECTION C-C



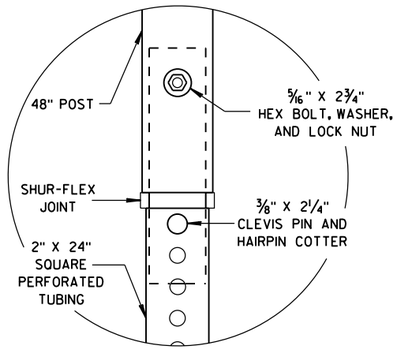
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/1/2012
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

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S.D.D. 15 A 3-2b

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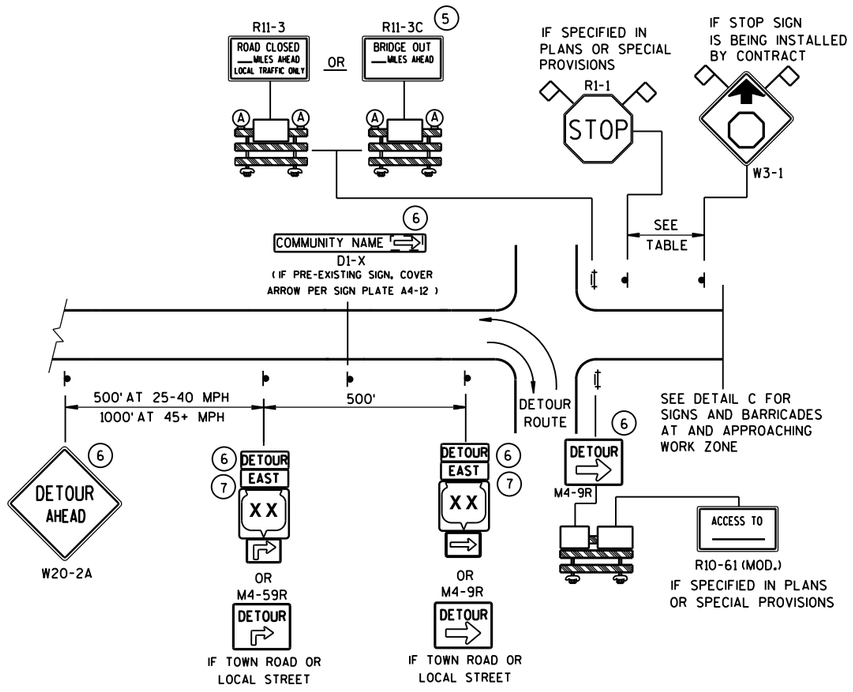
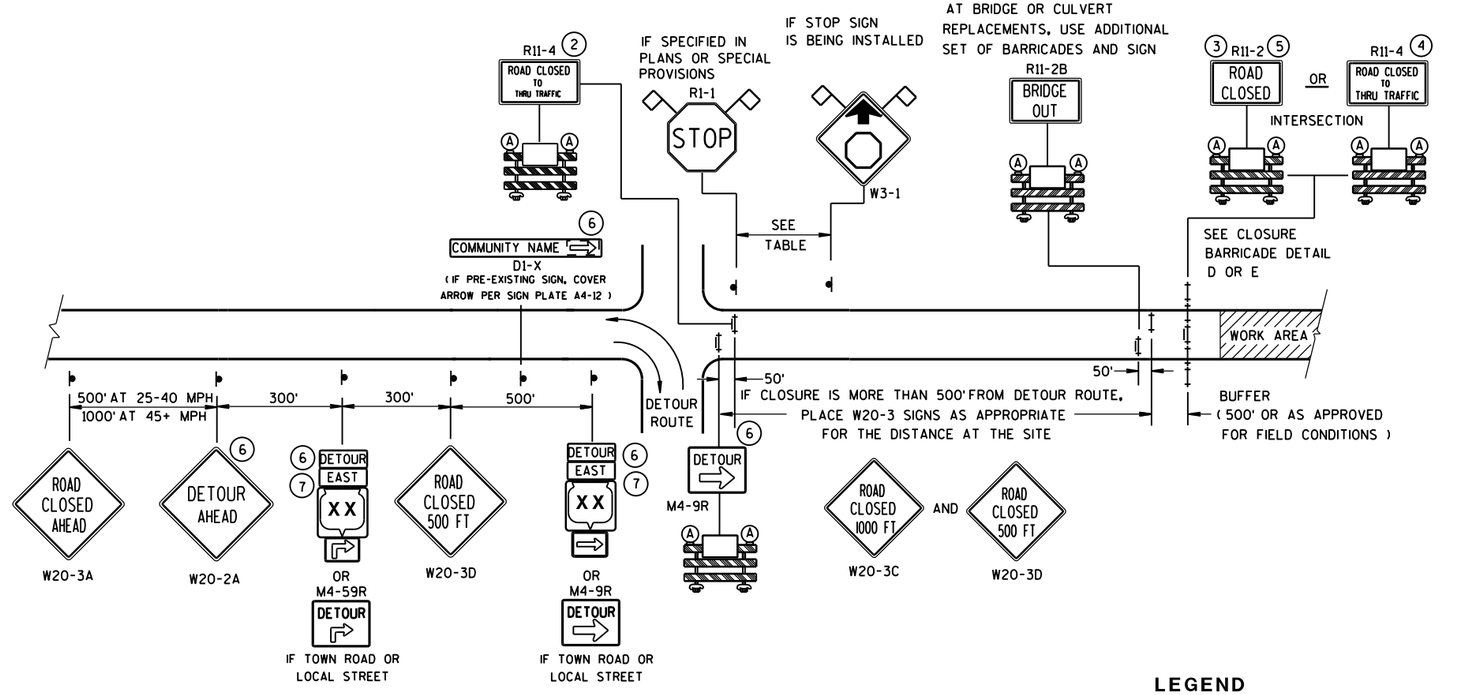
S.D.D. 15 A 3-2b



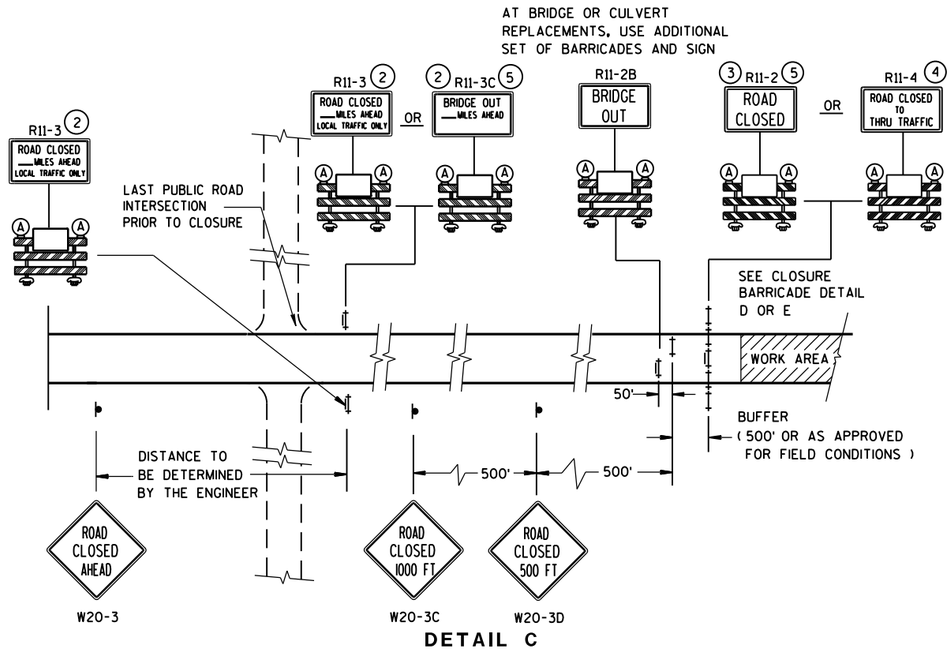
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

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

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

LEGEND

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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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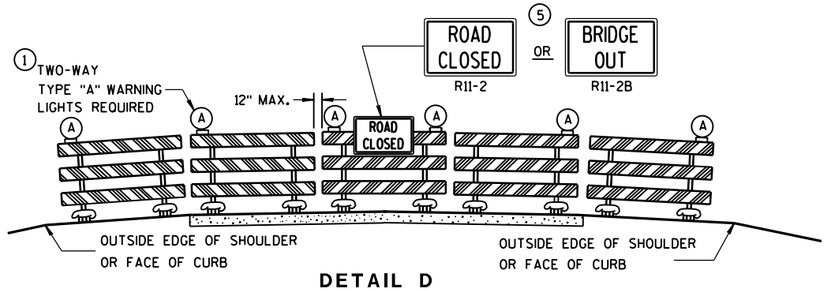
S.D.D. 15 C 2-6a

6

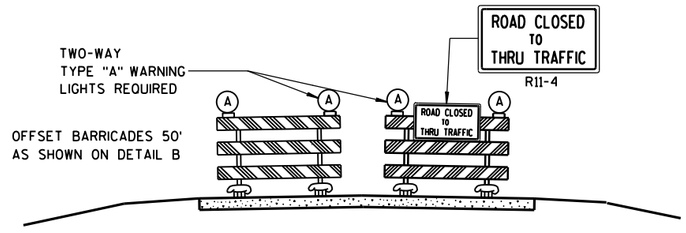
S.D.D. 15 C 2-6a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-SHEET "**a**" FOR LEGEND

GENERAL NOTES

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

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

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

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

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO SAFETY ENGI — FHWA — FIC

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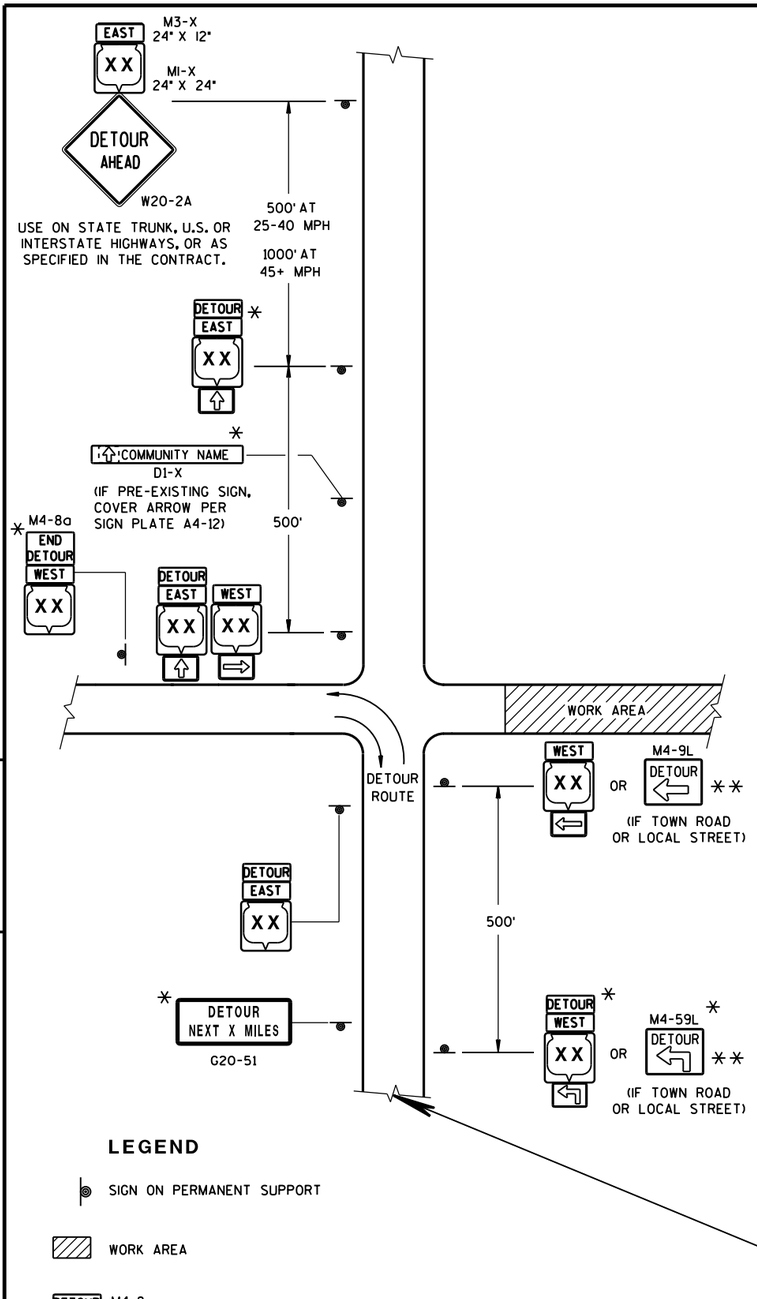
S.D.D. 15 C 2-6b



THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

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

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

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

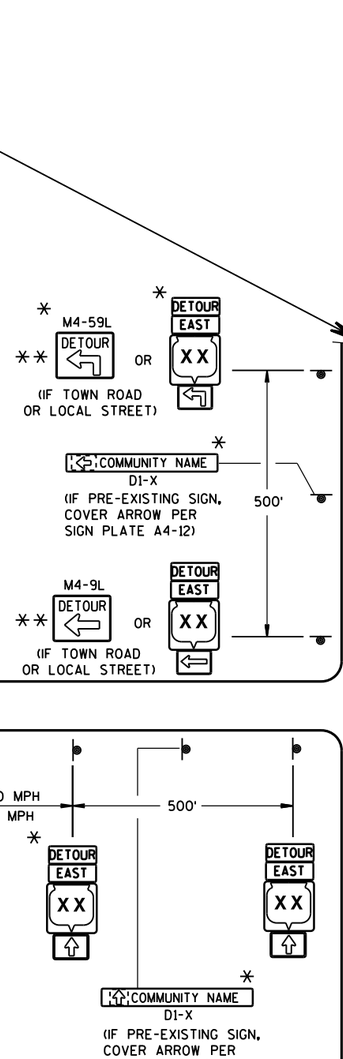
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

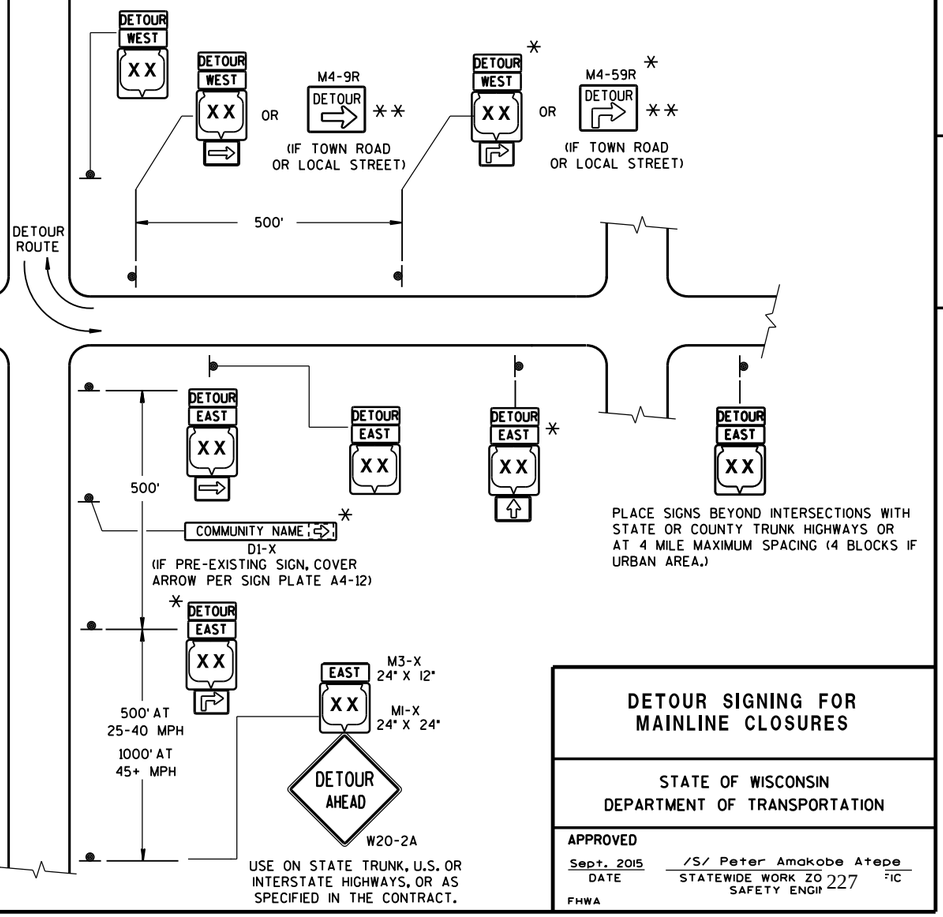
SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-9 SHALL BE 30" X 24".
- M4-8a SHALL BE 24" X 18".
- G20-51 SHALL BE 60" X 24".
- W20-2 SHALL BE 48" X 48".
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.





LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR EAST — M4-8 / M3-X
- XX OR COUNTY XX OR XX — M1-4 / M1-5A / M1-6
- MO5-1 OR MO6-1 OR MO6-1

SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD 15C2-SHEET "a"

DETAIL F

DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2015 — DATE

/S/ Peter Amakobe Atepe — STATEWIDE WORK ZO... SAFETY ENGI...

FHWA

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S.D.D. 15 C 2-6c

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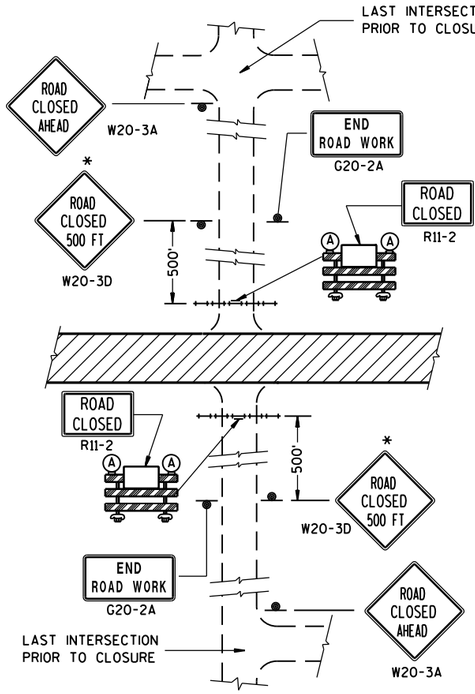
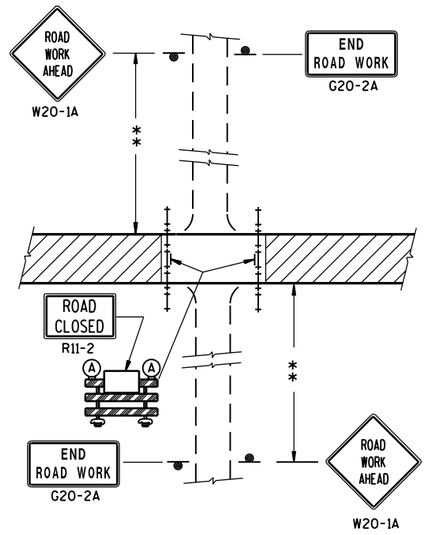
S.D.D. 15 C 2-6c



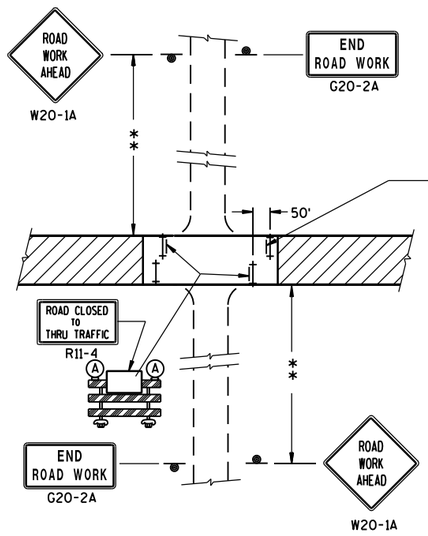
DETAIL 1

(NO ACCESS TO PROJECT)



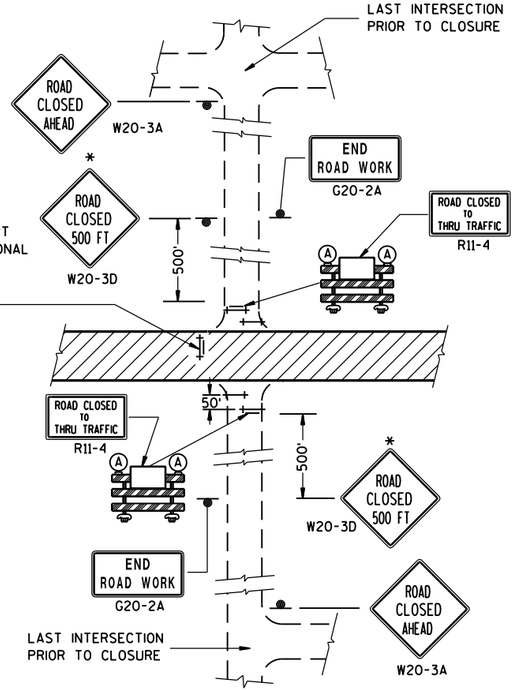
DETAIL 2

(PUBLIC CROSS-TRAFFIC MAINTAINED. NO ACCESS TO PROJECT).



DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS).



DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

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

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

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

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

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2017 — DATE
/S/ Andrew Heidtke — WORK ZONE ENG
FHWA

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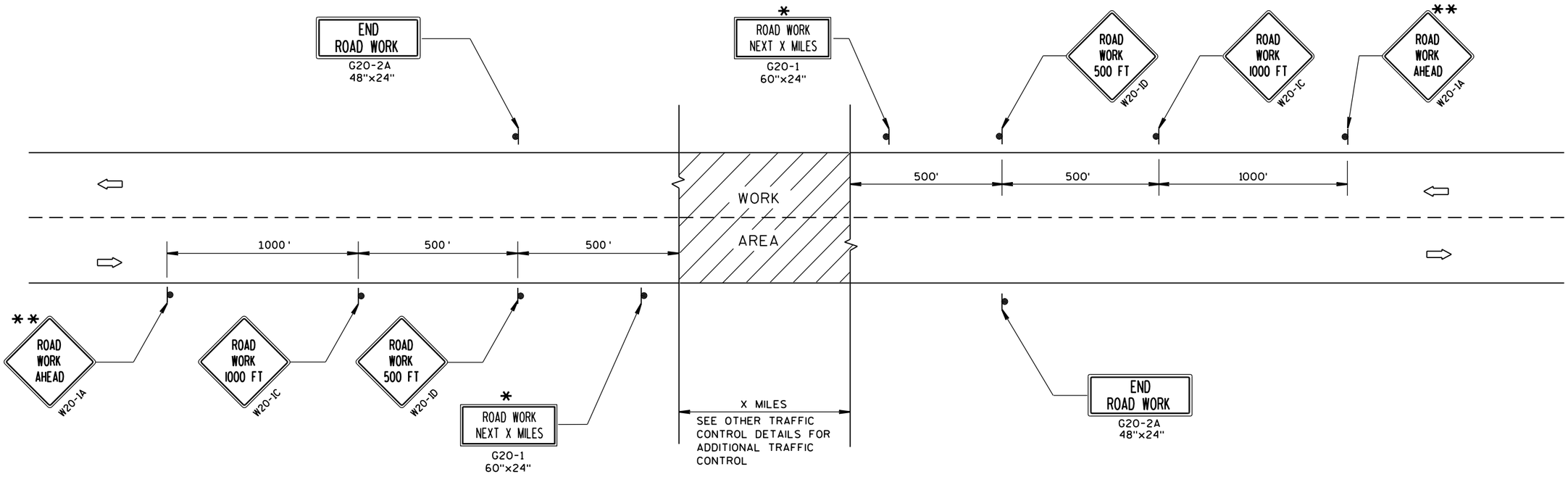
S.D.D. 15 C 3-4

6

S.D.D. 15 C 3-4

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.

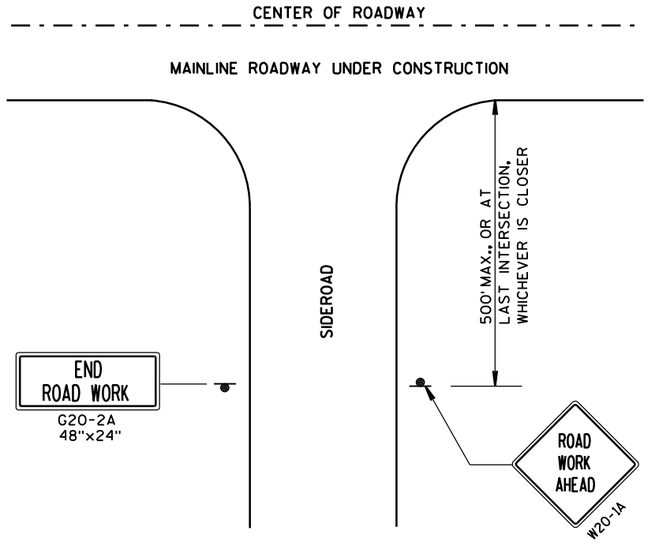
ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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. 2017 — DATE
/S/ Andrew Heldtke — WORK ZONE ENG
FHWA

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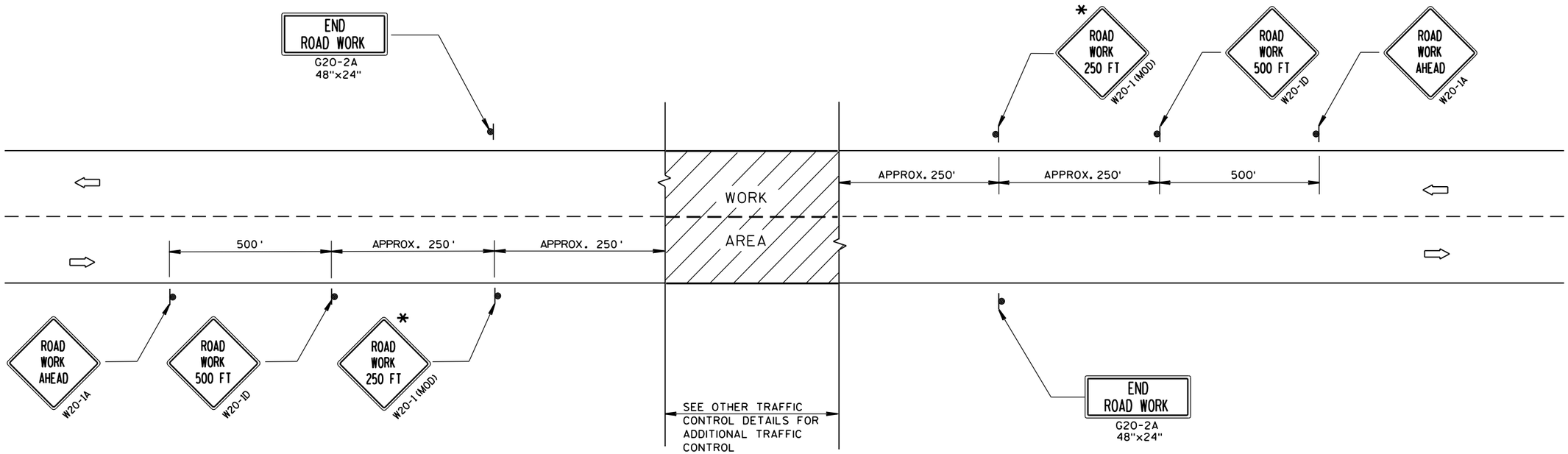
S.D.D. 15 C 4-4

S.D.D. 15 C 4-4

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.

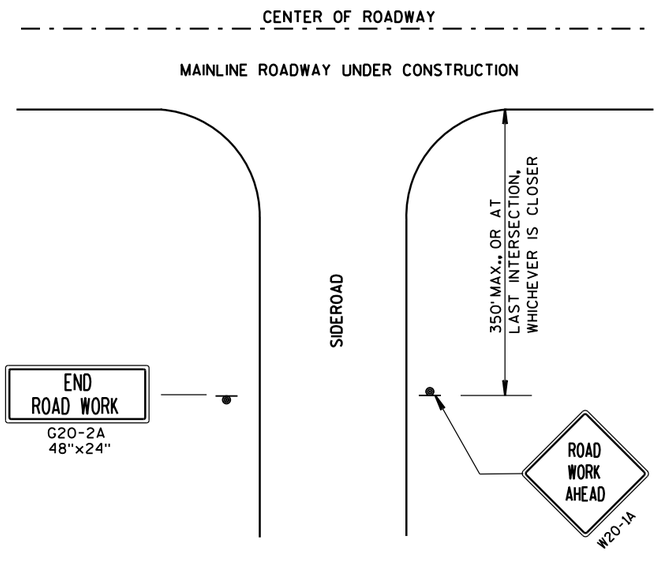
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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. 2017 — DATE
/S/ Andrew Heldtke — WORK ZONE ENG
FHWA

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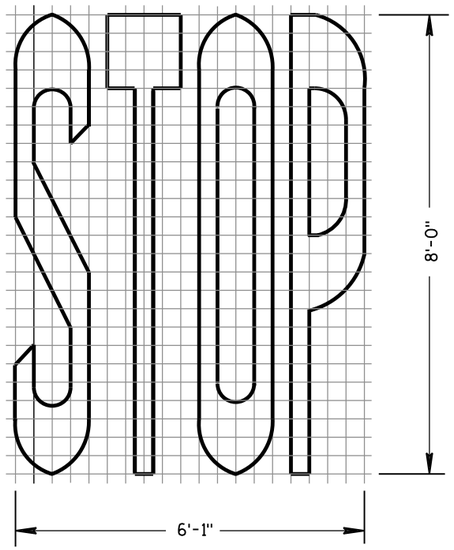
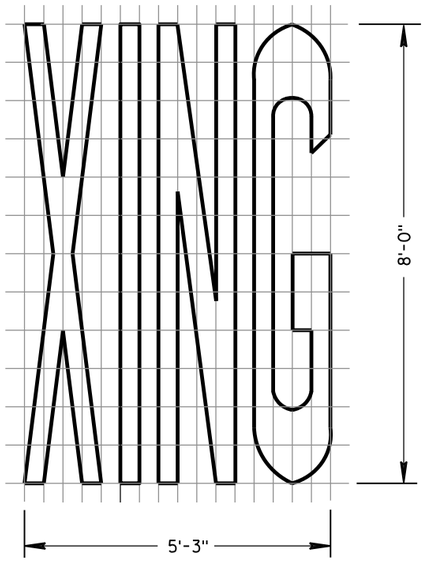
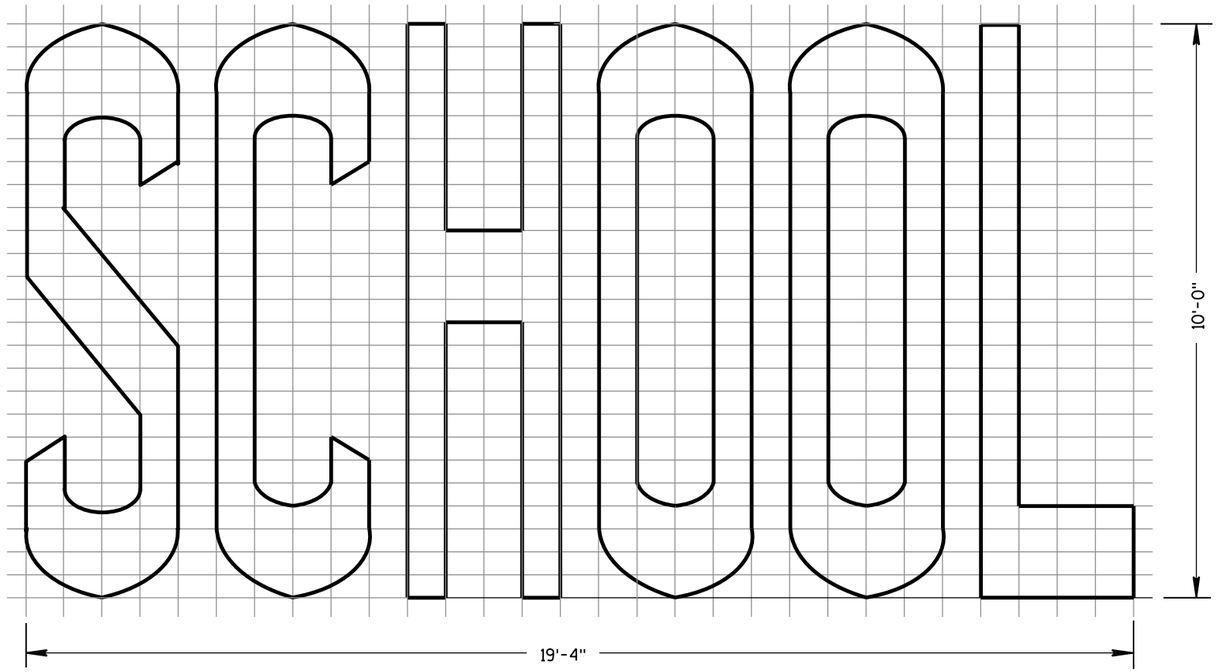
S.D.D. 15 C 5-4

GENERAL NOTES

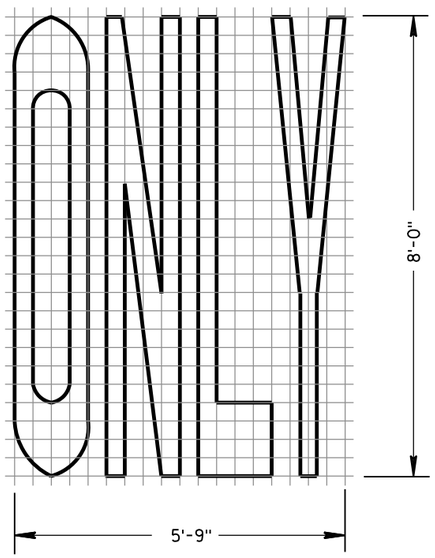
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

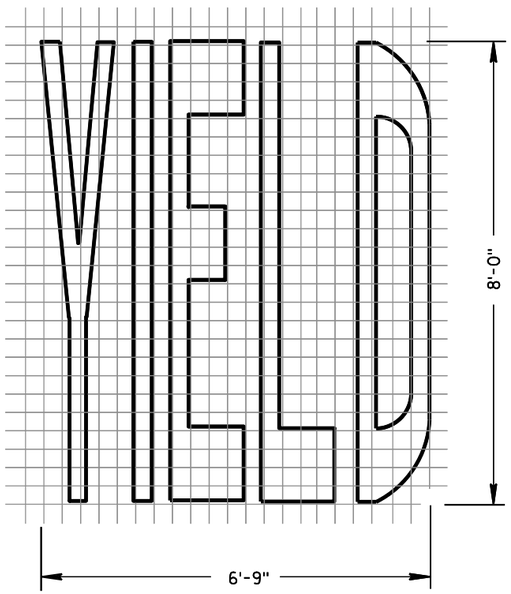


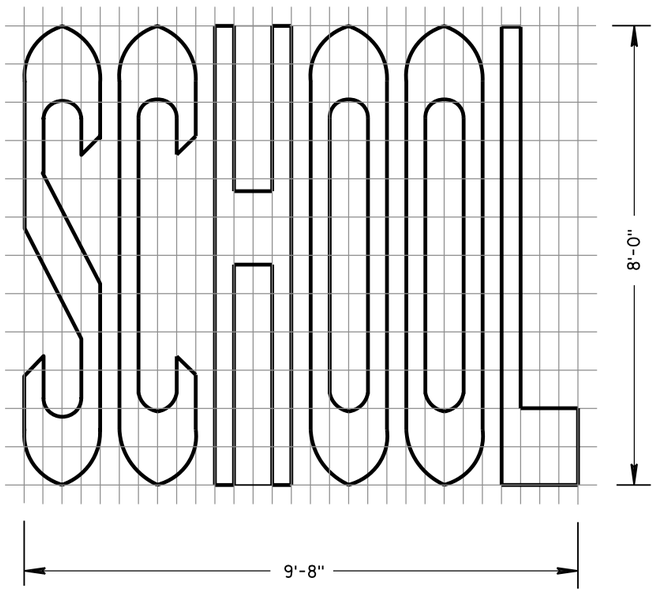




TWO-LANE







SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARK
EER
FHWA

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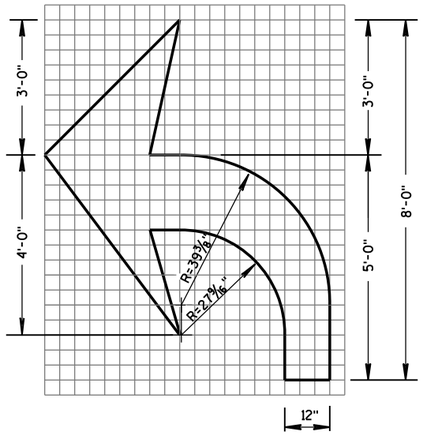
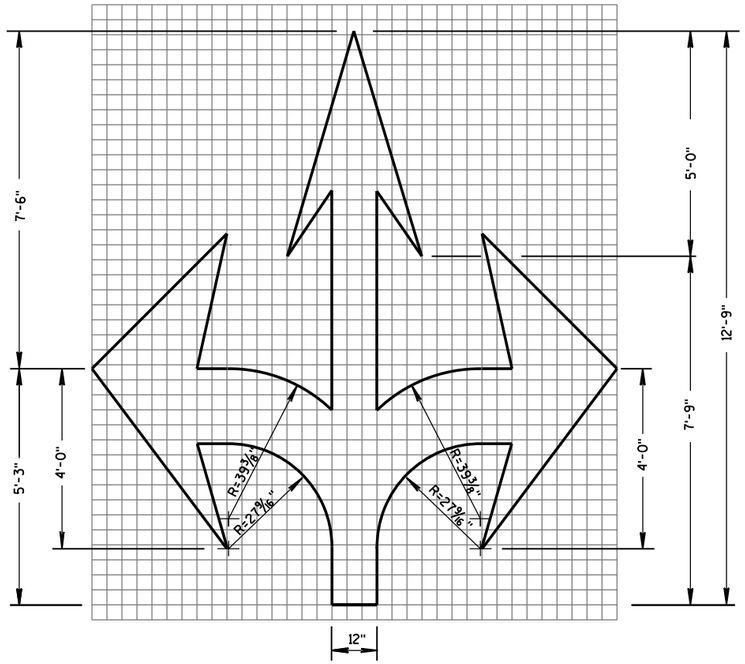
S.D.D. 15 C 7-14b

GENERAL NOTES

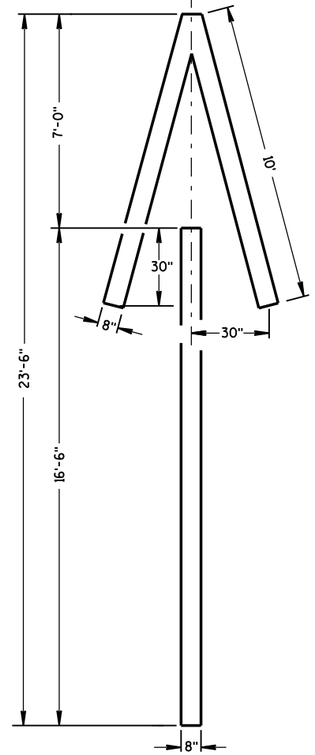
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



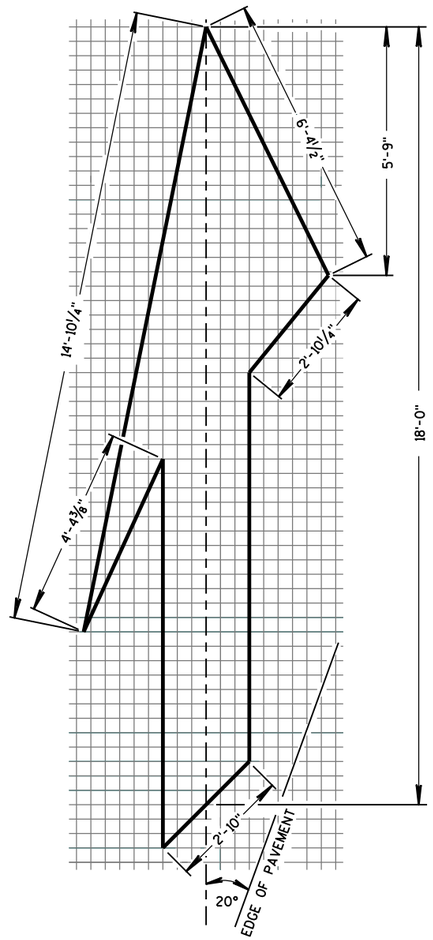
TYPE 2



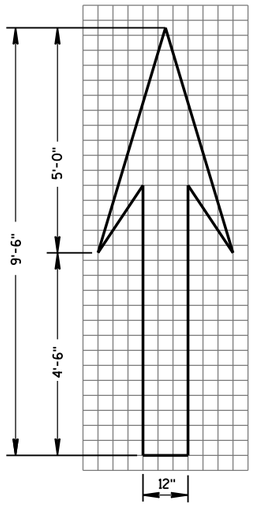
TYPE 6



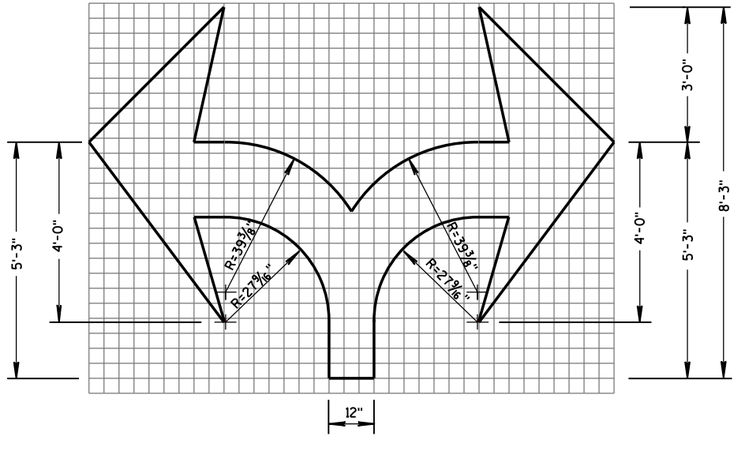
TYPE 4



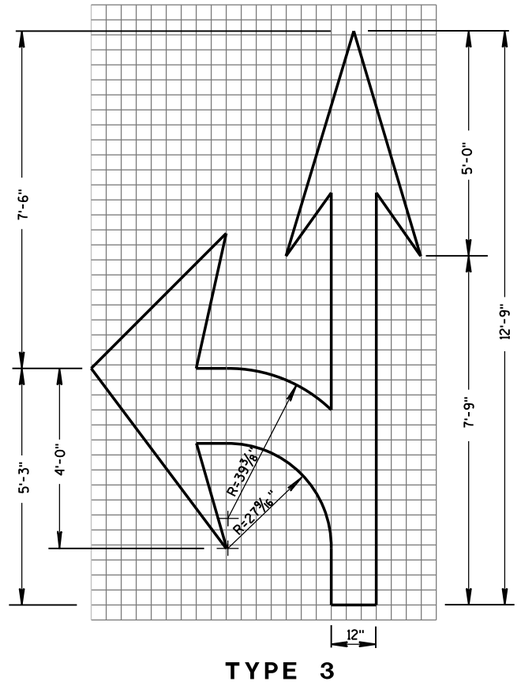
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER
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S.D.D. 15 C 7-14c

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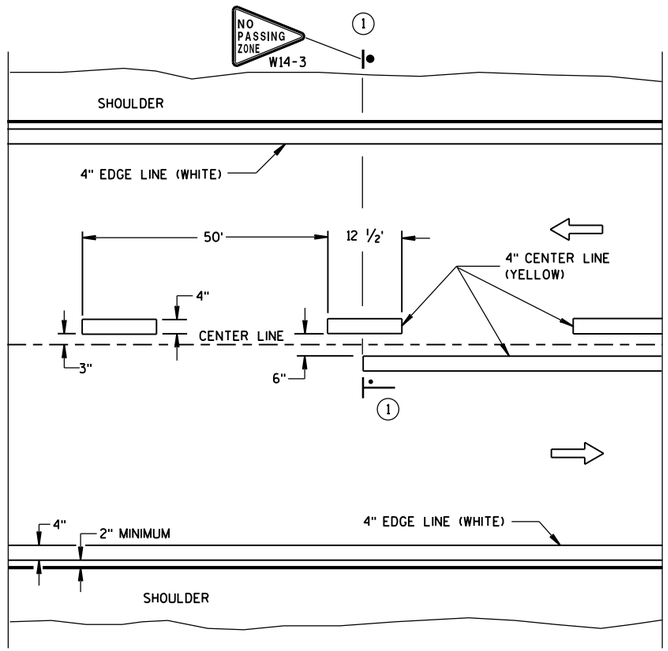
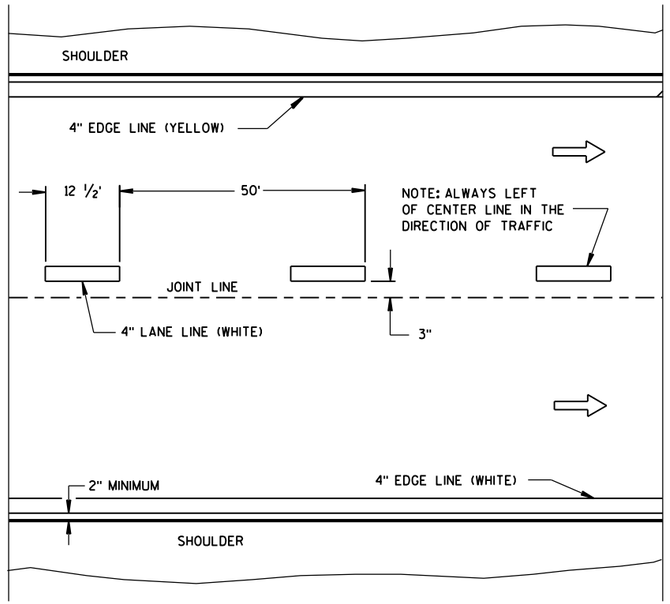
S.D.D. 15 C 7-14c



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

GENERAL NOTES

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

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING.

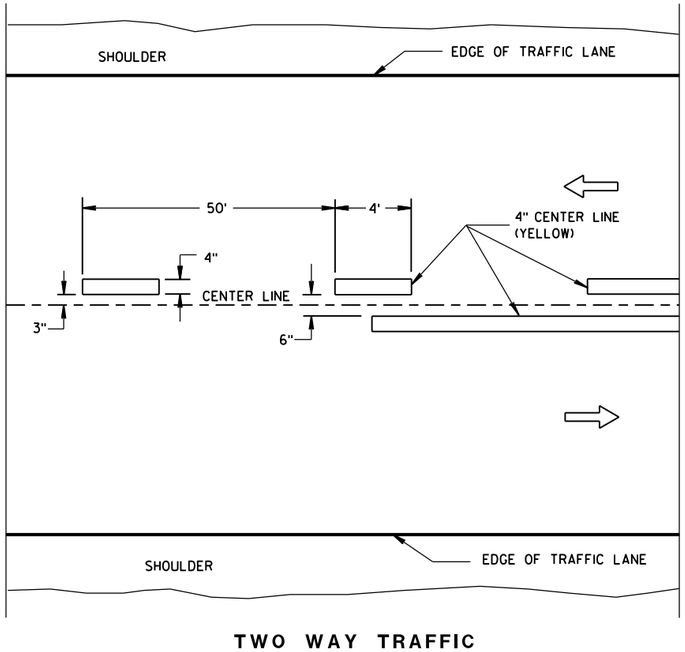
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

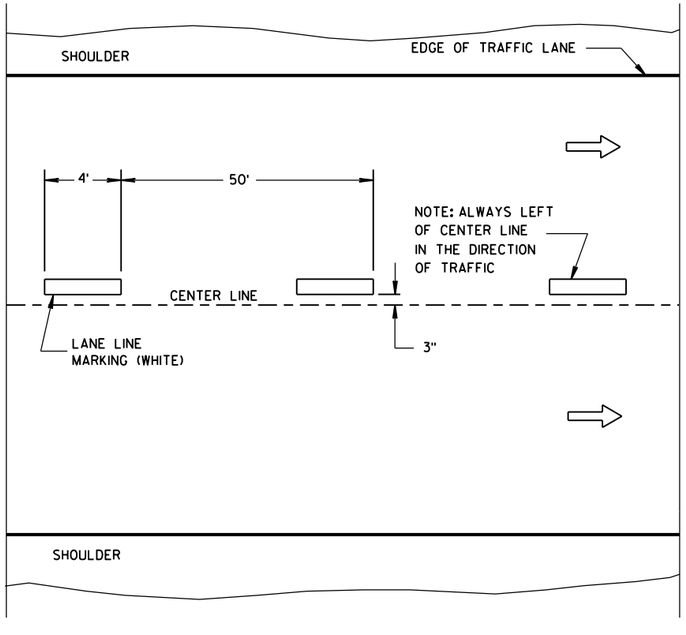
LEGEND

"T" MARKING

POST MOUNTED SIGN



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

LONGITUDINAL MARKING (MAINLINE)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017 DATE	/S/ Matthew R. Rauch STATE SIGNING AND MAR ENGINEER
FHWA	

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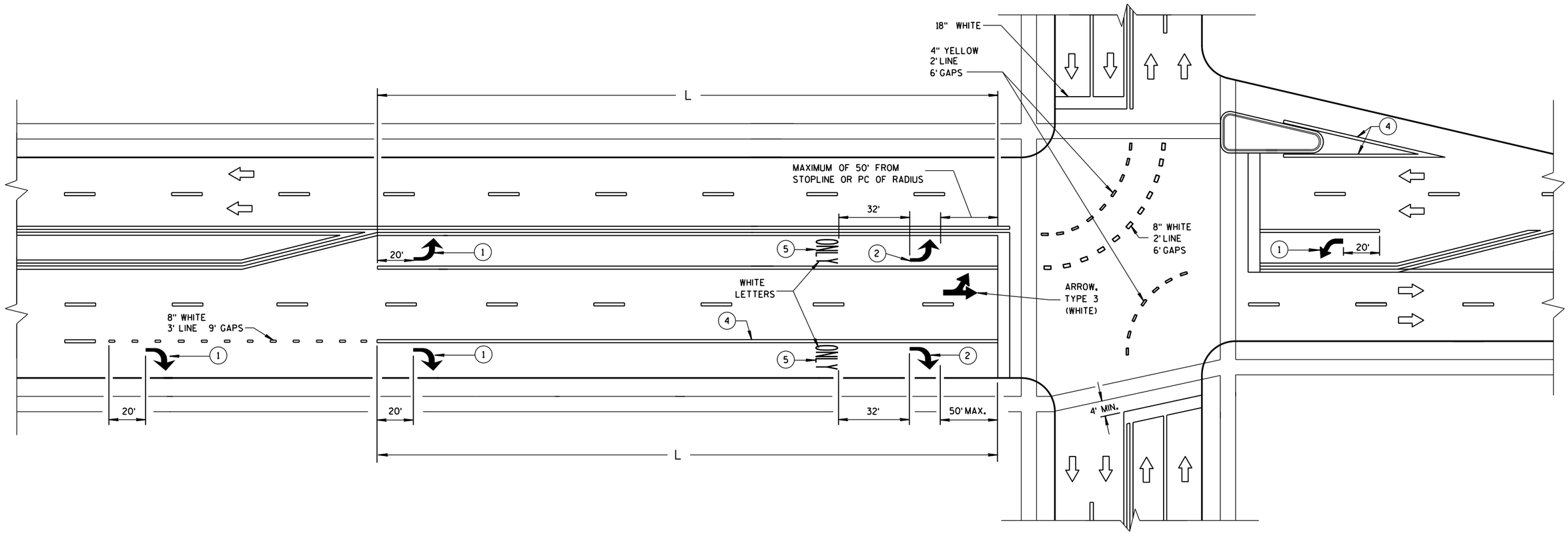
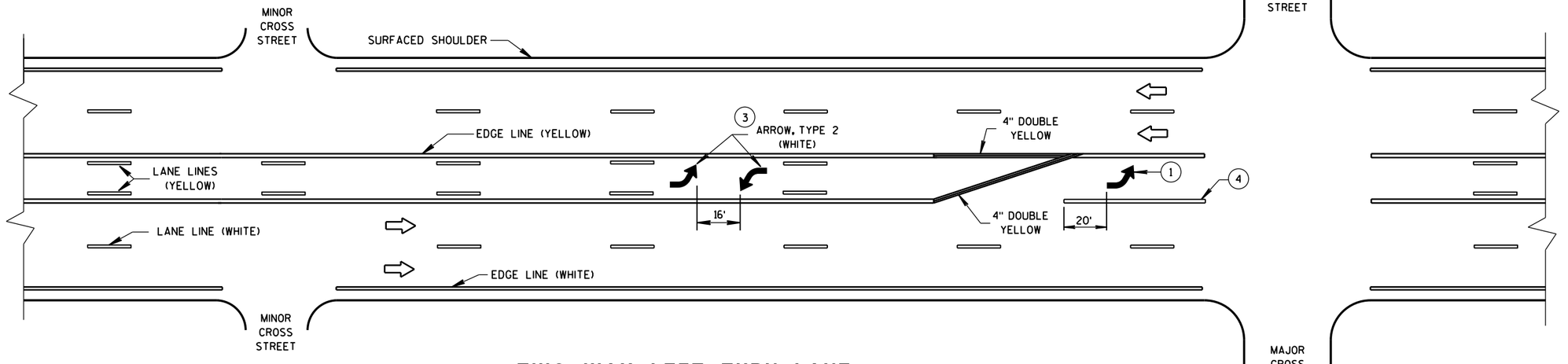
S.D.D. 15 C 8-18a





GENERAL NOTES

(1) REQUIRED ARROW, TYPE 2 (WHITE).

(2) REQUIRED ARROW, TYPE 2 (WHITE) WHEN L IS GREATER THAN 78 FEET AND LESS THAN OR EQUAL TO 166 FEET.

(3) A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.

(4) 8" WHITE

(5) REQUIRED WORD ONLY WHEN L IS GREATER THAN 166 FEET.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL

L = LENGTH OF TURN BAY

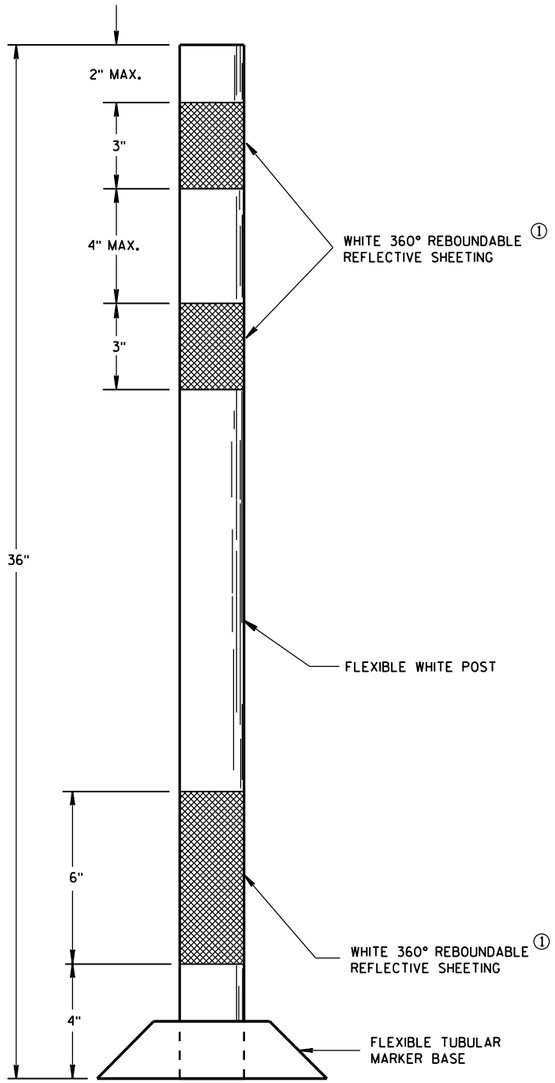
TWO WAY LEFT TURN LANE

PAVEMENT MARKING
(TURN LANES)

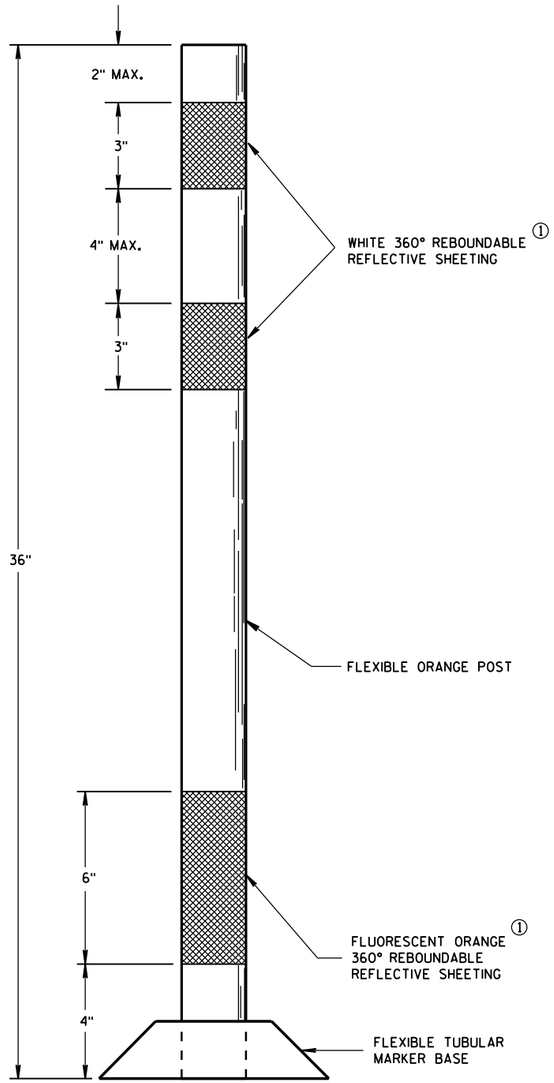
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 15 C 8-18b



FLEXIBLE
TUBULAR MARKER POST
PERMANENT CROSSOVER



FLEXIBLE
TUBULAR MARKER POST
WORK ZONE

GENERAL NOTES

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

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

① REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

CHANNELIZING DEVICES
FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Andrew Heldtke — WORK ZONE ENGR
FHWA

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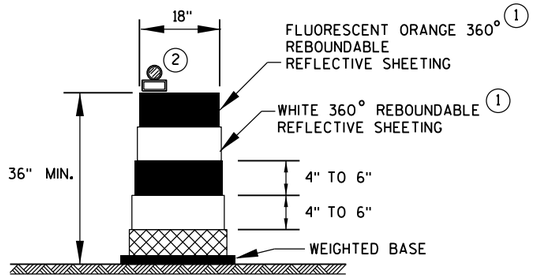
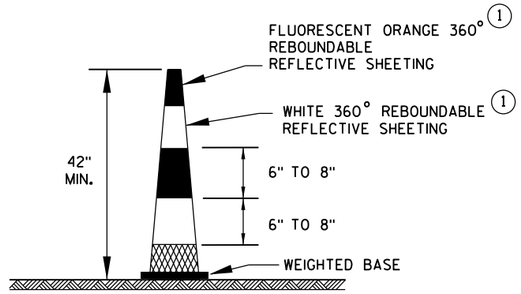
S.D.D. 15 C 11-7a



DRUM

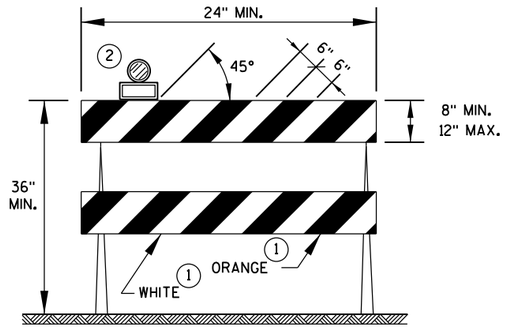


42" CONE

DO NOT USE IN TAPERS
1/2 SPACING OF DRUMS

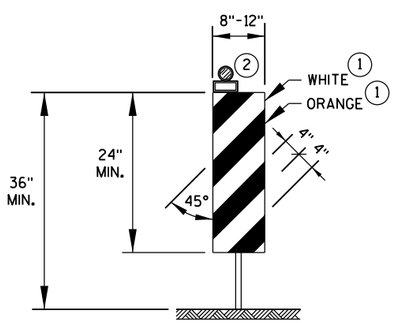
GENERAL NOTES

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



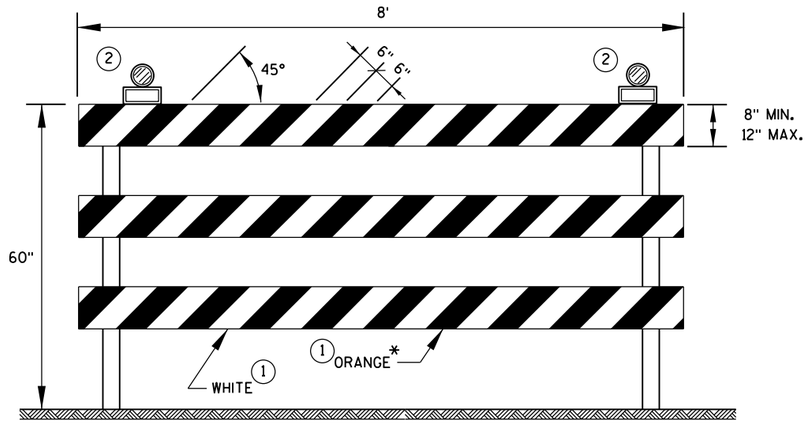
TYPE 2 BARRICADE

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



VERTICAL PANEL

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



TYPE 3 BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION, USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
June 2017 DATE	/S/ Andrew Heidtke WORK ZONE ENG
FHWA	

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S.D.D. 15 C 11-7b

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

DIRECTION OF TRAFFIC

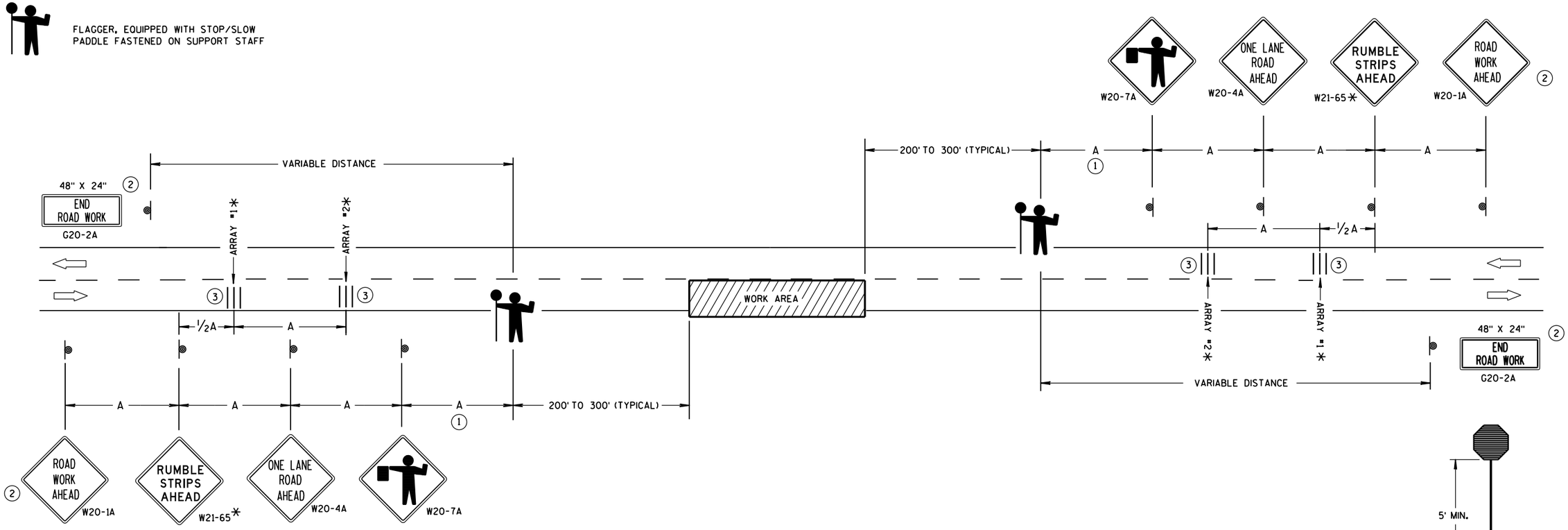
WORK AREA

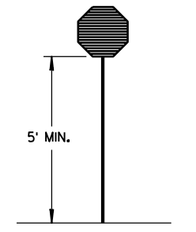
FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING A
25-35 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING A.





STOP/SLOW PADDLE ON SUPPORT STAFF

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

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

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, REMOVE TEMPORARY RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

* UTILIZE TEMPORARY RUMBLE STRIPS WHEN FLAGGING OPERATION IS ANTICIPATED TO BE STATIONARY IN EXCESS OF TWO HOURS.

(1) FOR A MOVING WORK OPERATION, SIGNING AND TEMPORARY RUMBLE STRIPS (IF USED) SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3,500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

(3) EACH TEMPORARY RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Andrew Heldtke — WORK ZONE ENG
FHWA

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S.D.D. 15 C 12-6

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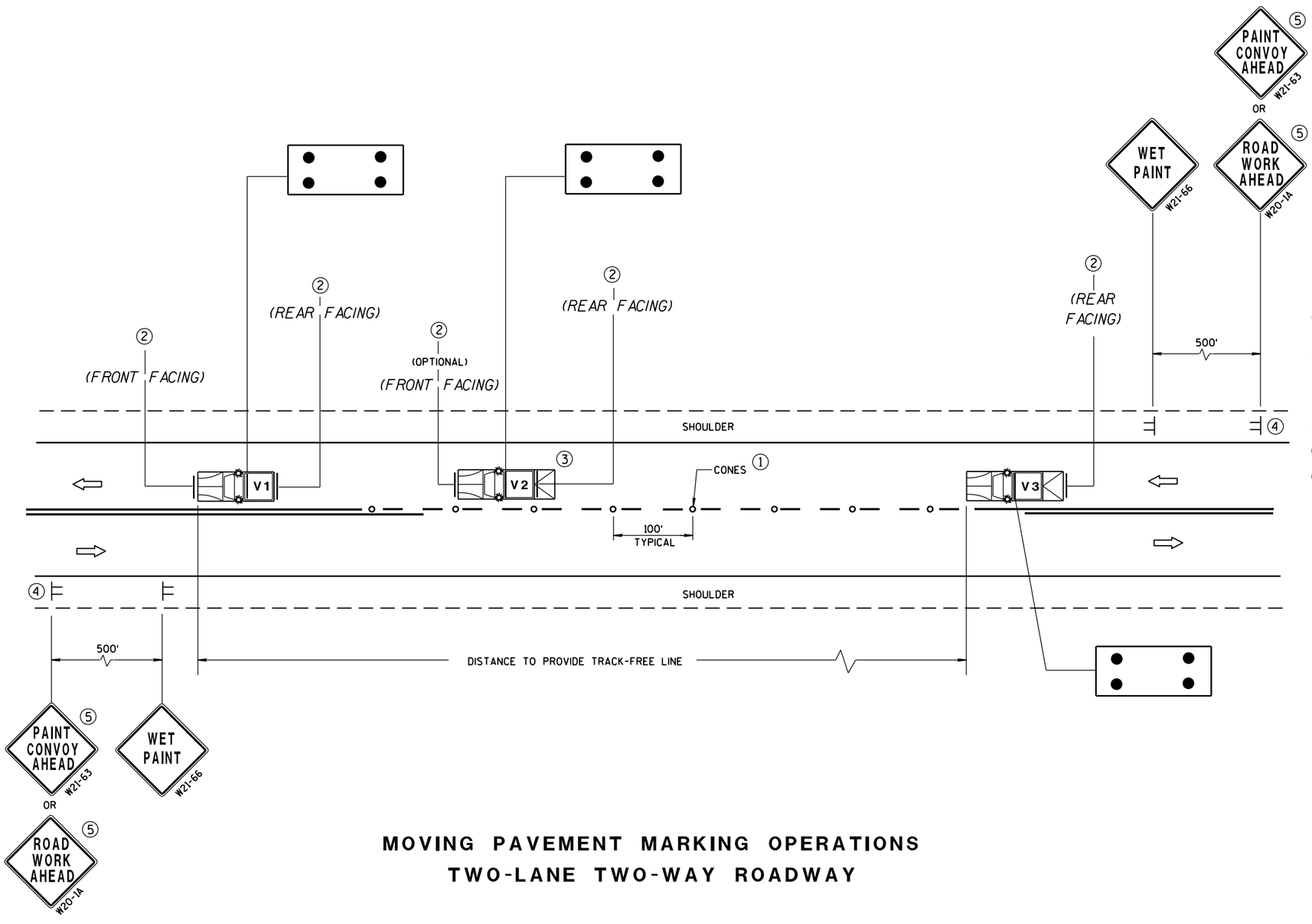
S.D.D. 15 C 12-6



MOVING PAVEMENT MARKING OPERATIONS
TWO-LANE TWO-WAY ROADWAY

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGELINE MARKING.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

(1) CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

(2) USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.

WET PAINT W21-64 OR WET PAINT W21-64

(3) OPTIONAL TRUCK-MOUNTED ATTENUATOR.

(4) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

(5) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

LEGEND

- **V1** LEAD VEHICLE
- **V2** SHADOW VEHICLE
- **V3** TRAIL VEHICLE WITH TMA
- **TMA** TRUCK-MOUNTED ATTENUATOR
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- CONES
- FLASHING ARROW PANEL (CAUTION)

MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
Sept., 2017 DATE	/S/ Andrew Heldtke WORK ZONE ENGR
FHWA	238

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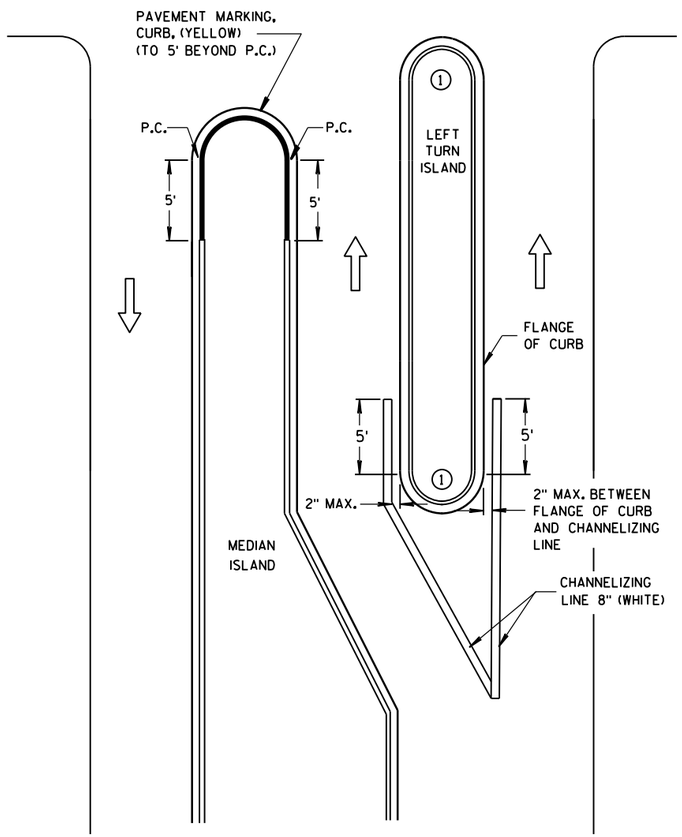
S.D.D. 15 C 19-5a

GENERAL NOTE

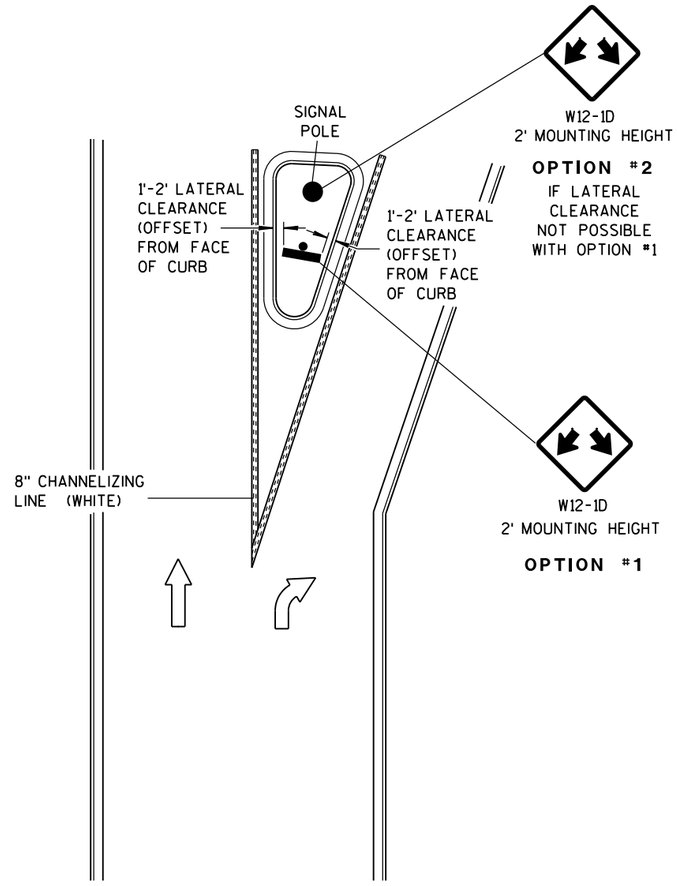
APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

DIRECTION OF TRAVEL



LEFT TURN & MEDIAN ISLAND



RIGHT TURN ISLAND

DOUBLE ARROW WARNING SIGN PLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARK ENGR

FHWA

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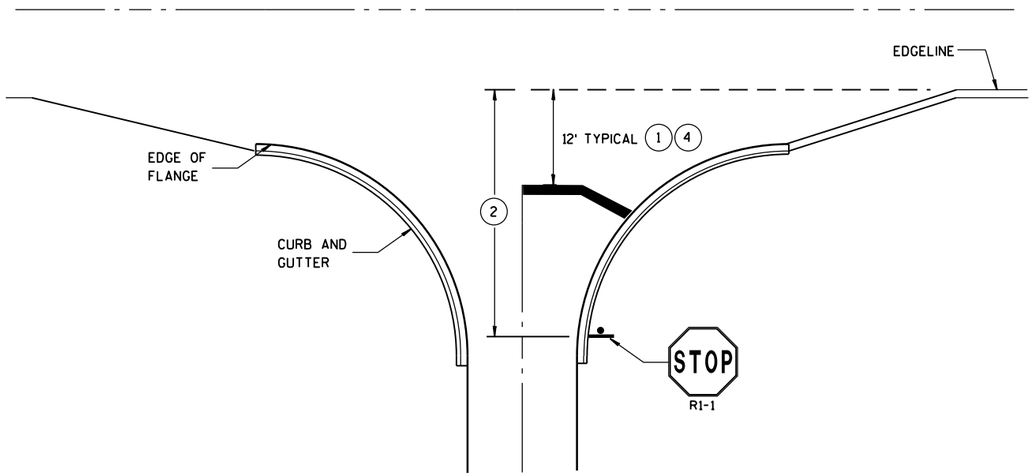
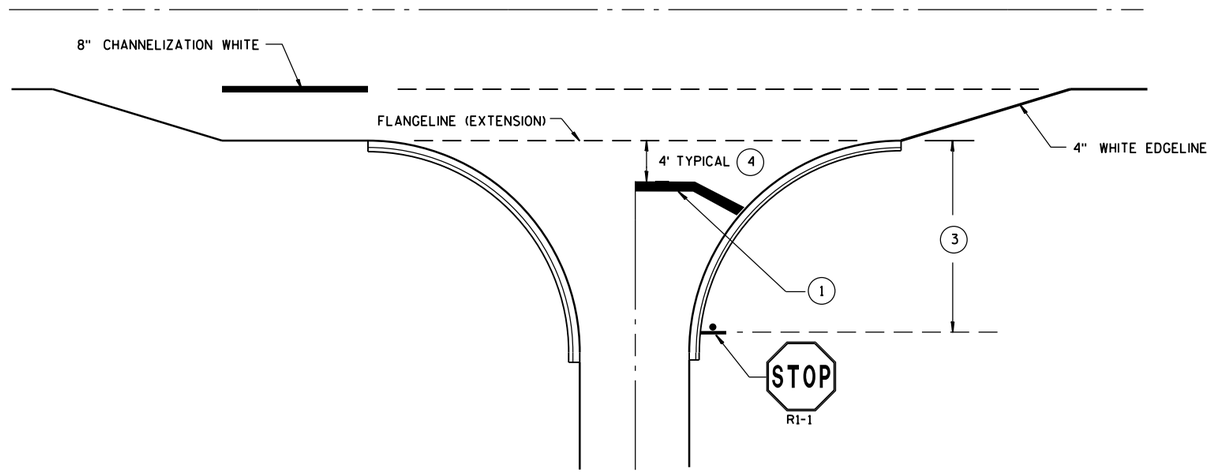
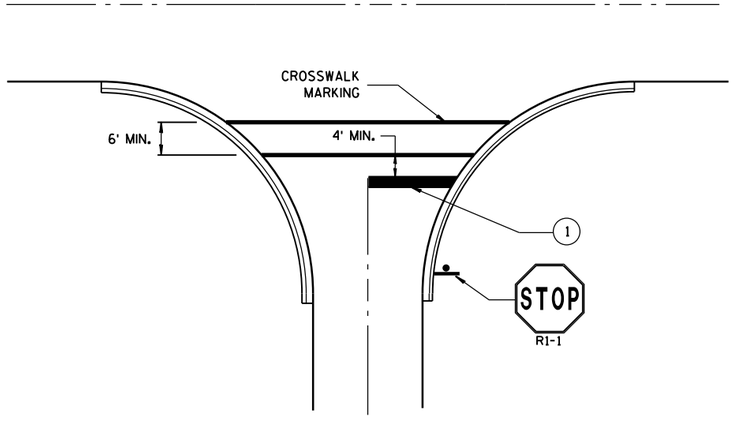
S.D.D. 15 C 27-2a



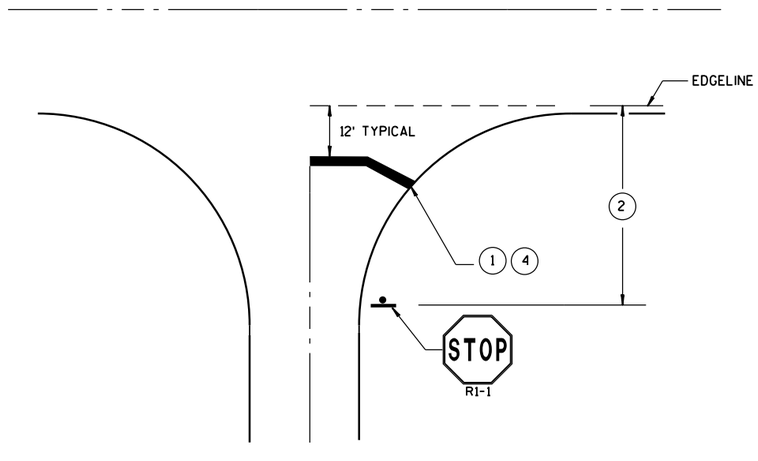
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



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

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

(1) 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE 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. (NO CLOSER THAN 4 FEET).

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept., 2017 — DATE

/S/ Matthew R. Rauch — STATE SIGNING AND MAR 240 NEER

FHWA

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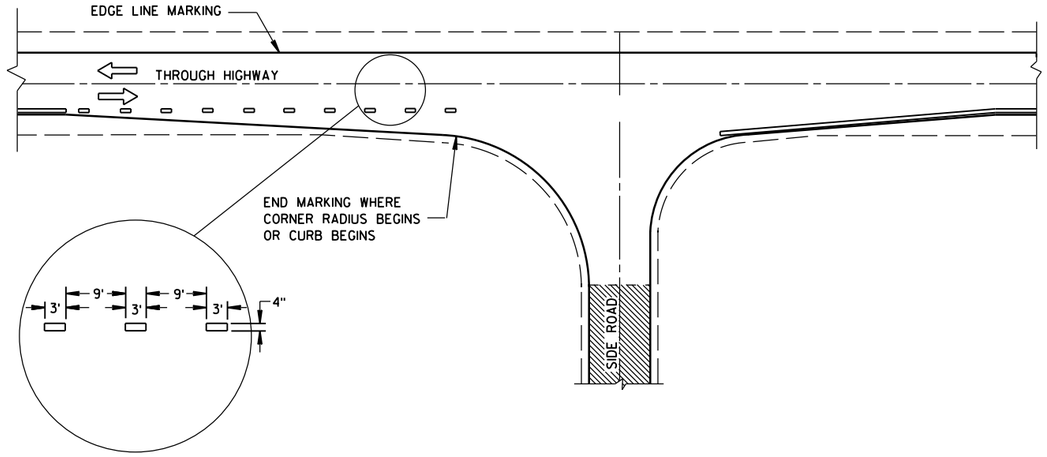
S.D.D. 15 C 33-3



MINOR INTERSECTION

GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

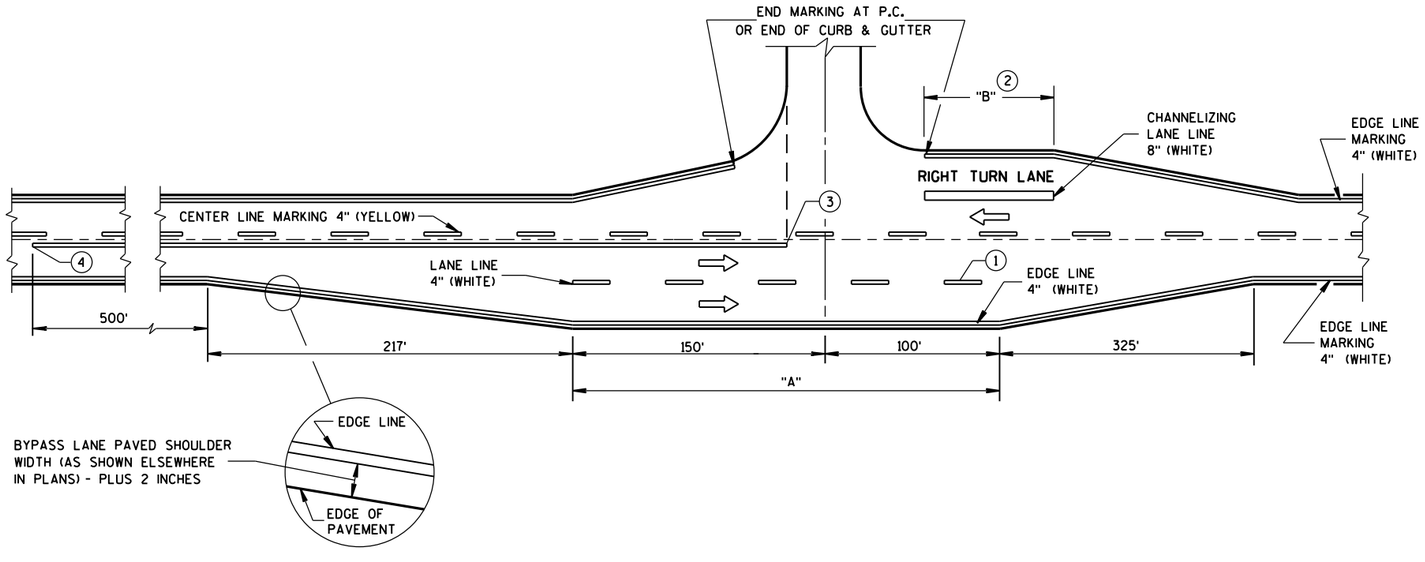
(1) WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.

(2) WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.

(3) BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.

(4) BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

PAVEMENT MARKING
(INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 15 C 35-2a

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

SHOULDER TAPER LENGTH (FEET)					BUFFER SPACE (FEET)
S \ W	4	6	8	10	
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

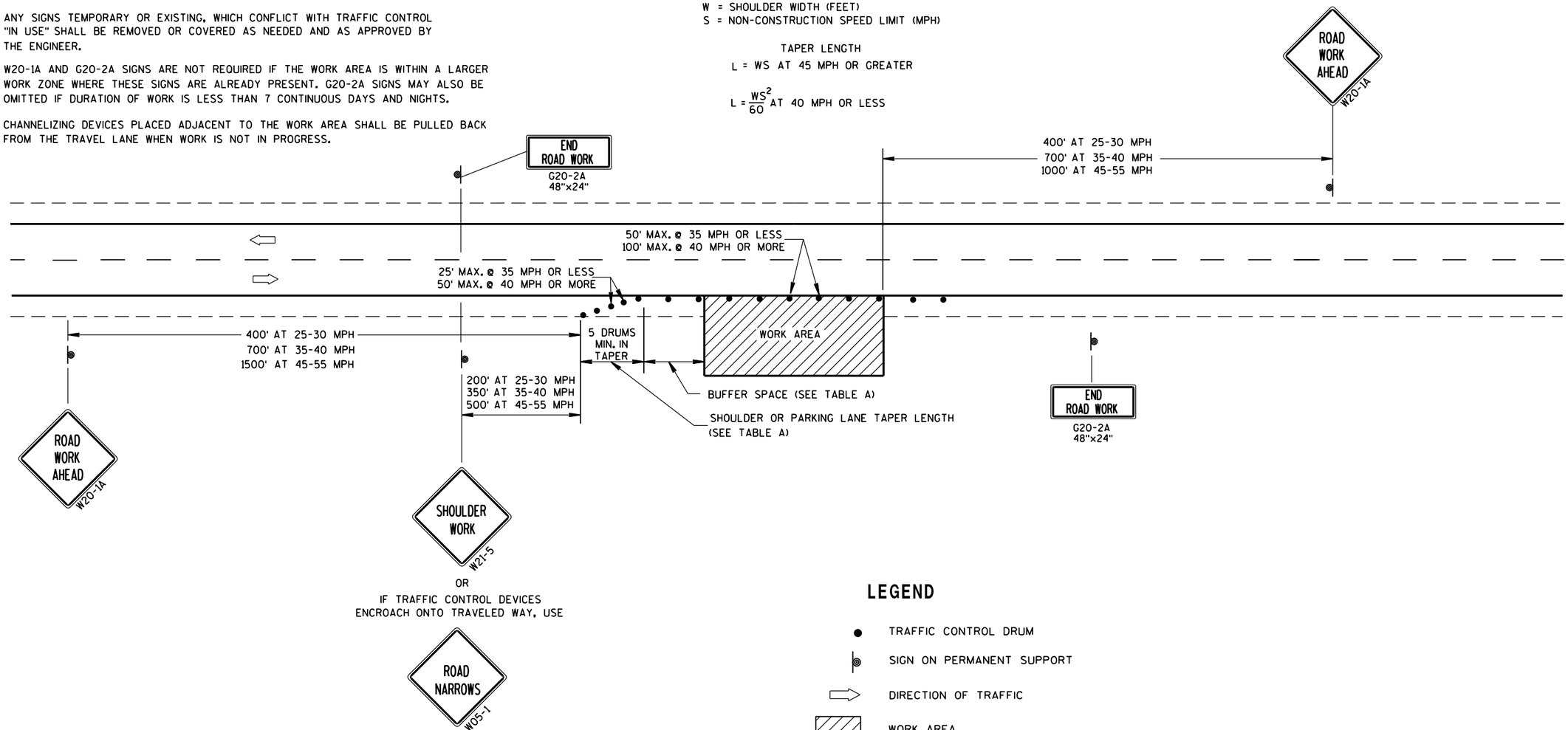
W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

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 ENGI[illegible]

FHWA

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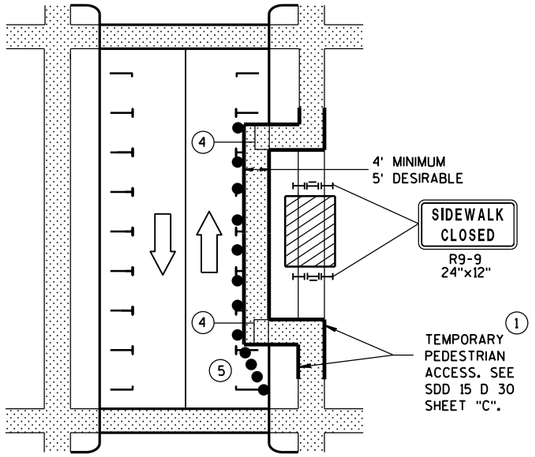
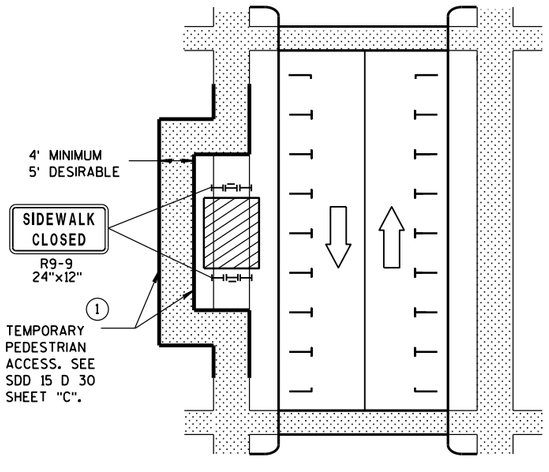
S.D.D. 15 D 28-3

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

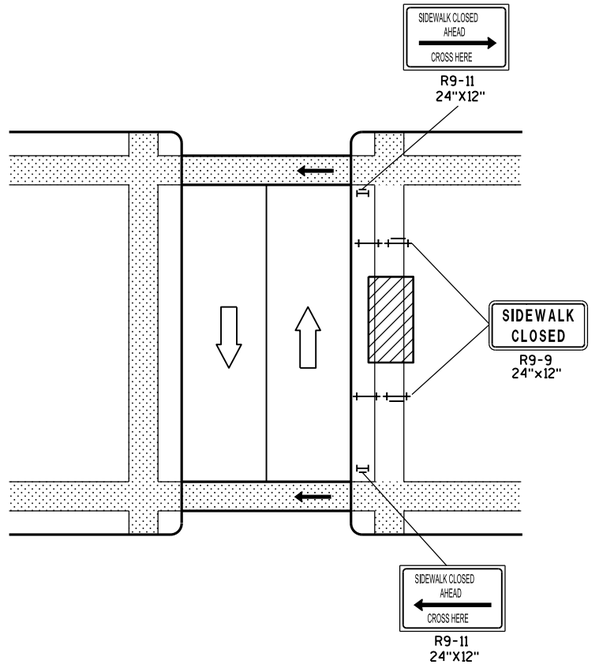


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

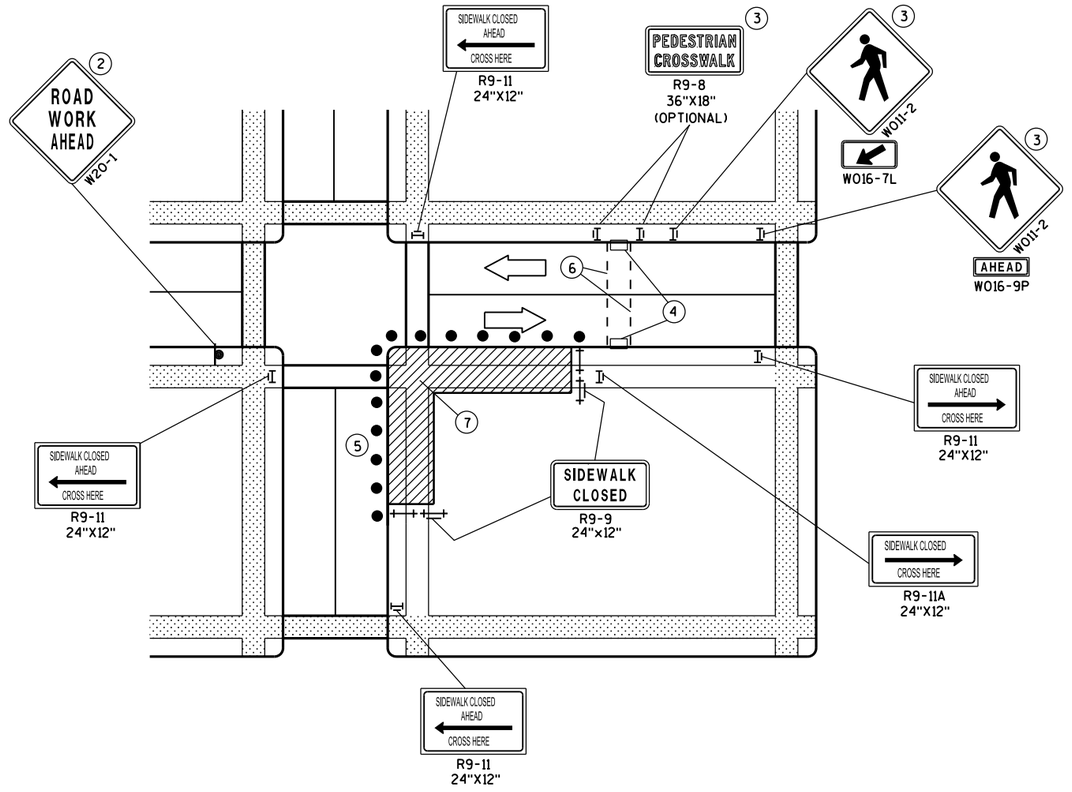
NOTE: LAYOUT SAME AS ABOVE.



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 TRANSPOI

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S.D.D. 15 D 30-3a

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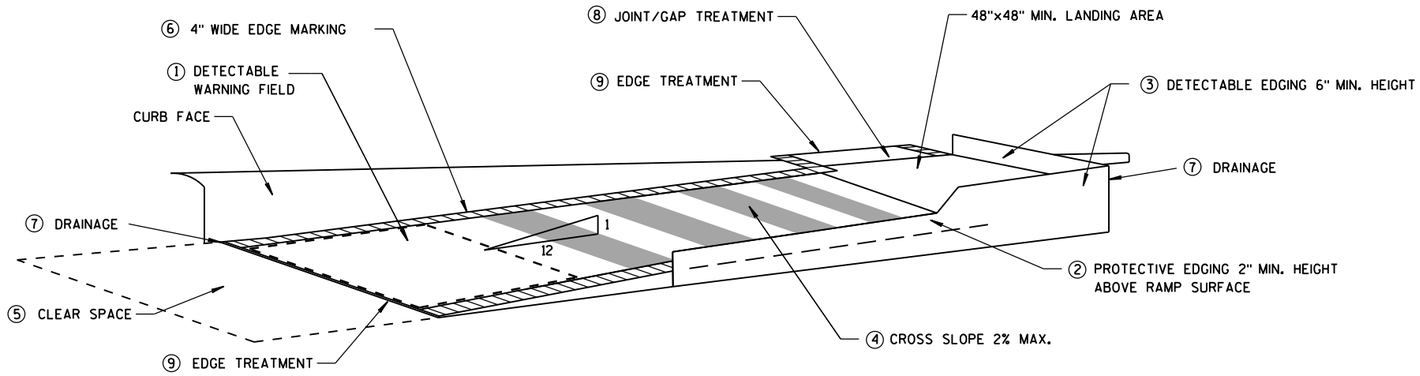
S.D.D. 15 D 30-3a



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.

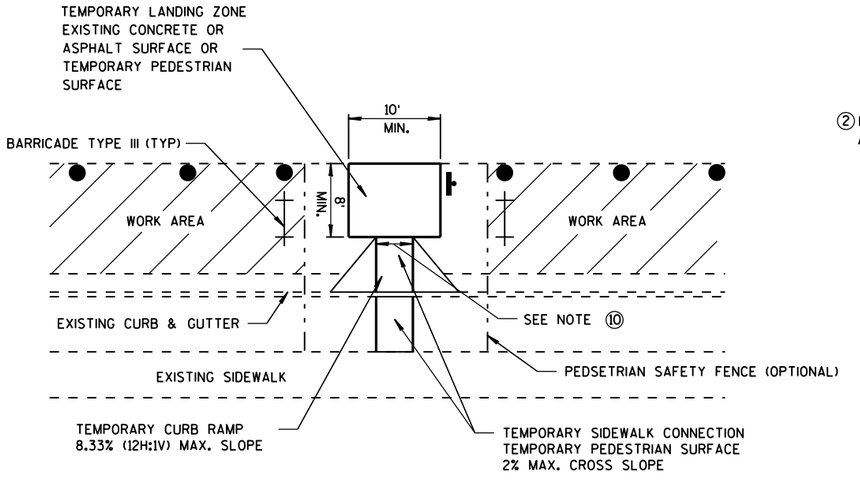
⑥ THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.

⑦ DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

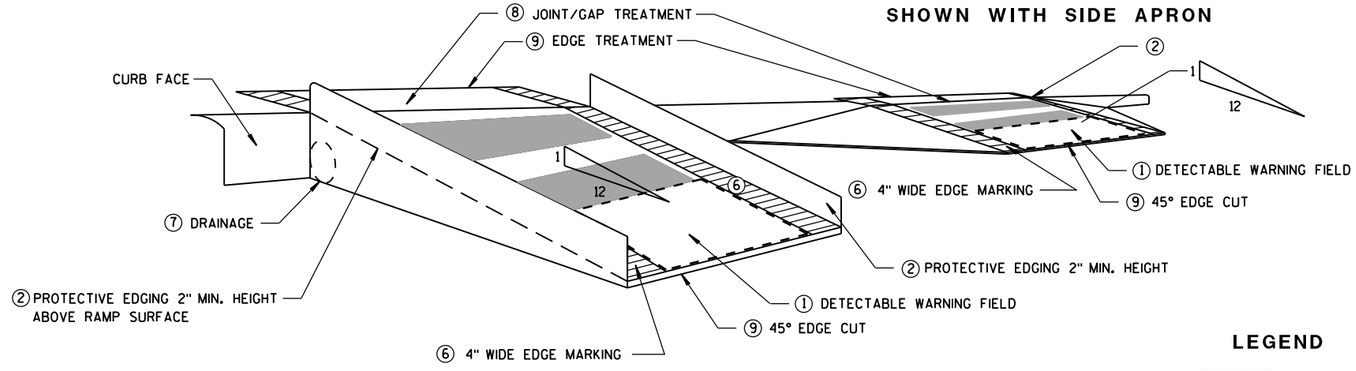
⑧ LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.

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

SHOWN WITH SIDE APRON

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

June 2016 — DATE

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

FHWA

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S.D.D. 15 D 30-3b

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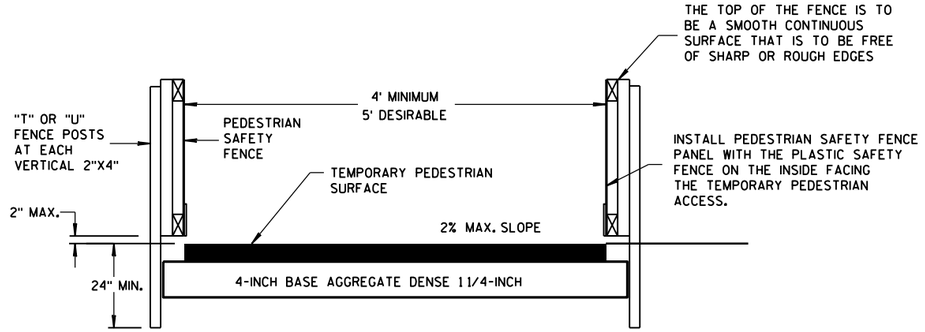
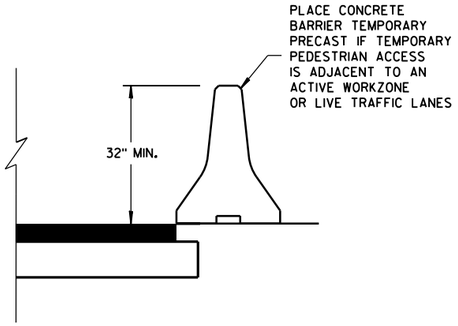
S.D.D. 15 D 30-3b

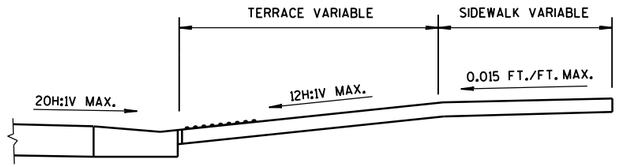




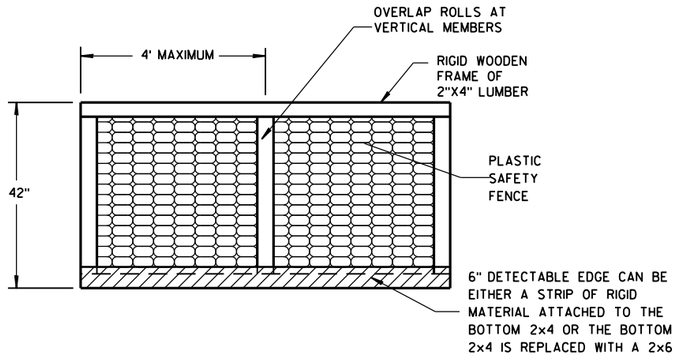
TEMPORARY PEDESTRIAN ACCESS

GENERAL NOTES

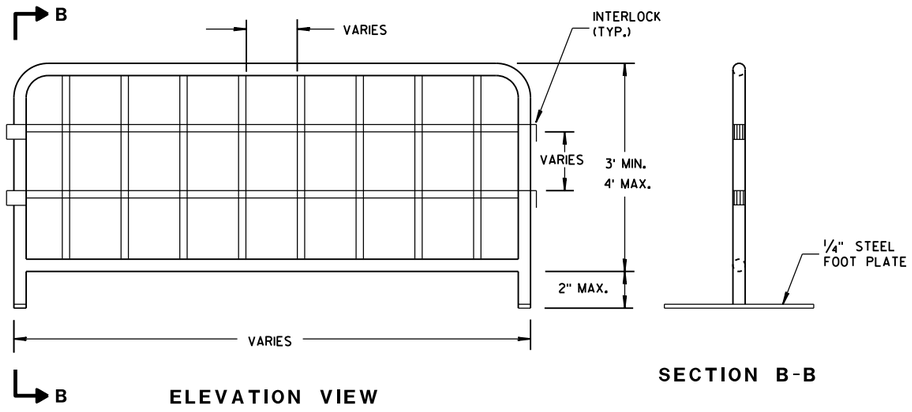
(1) INTERCHANGEABLE WITH THE PEDESTRIAN SAFETY FENCE.



SECTION A-A



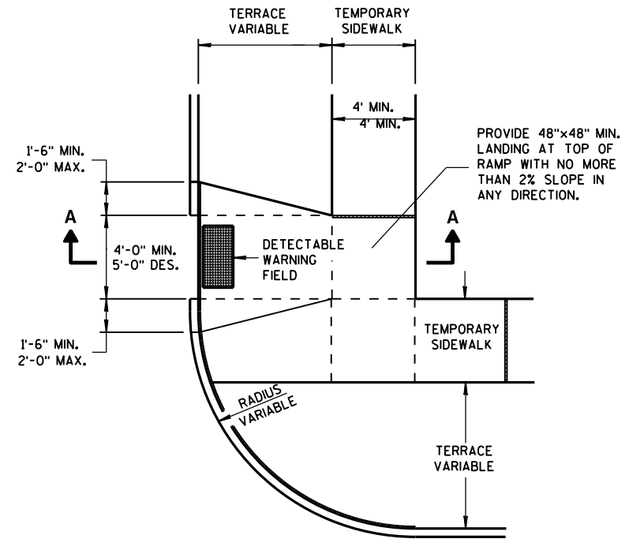
PEDESTRIAN SAFETY FENCE



ELEVATION VIEW

SECTION B-B

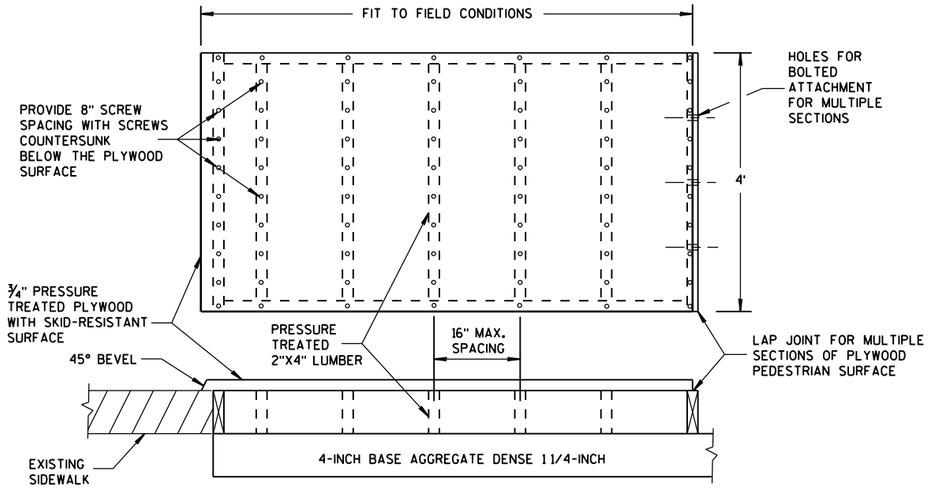
TEMPORARY PEDESTRIAN STEEL BARRICADE (1)



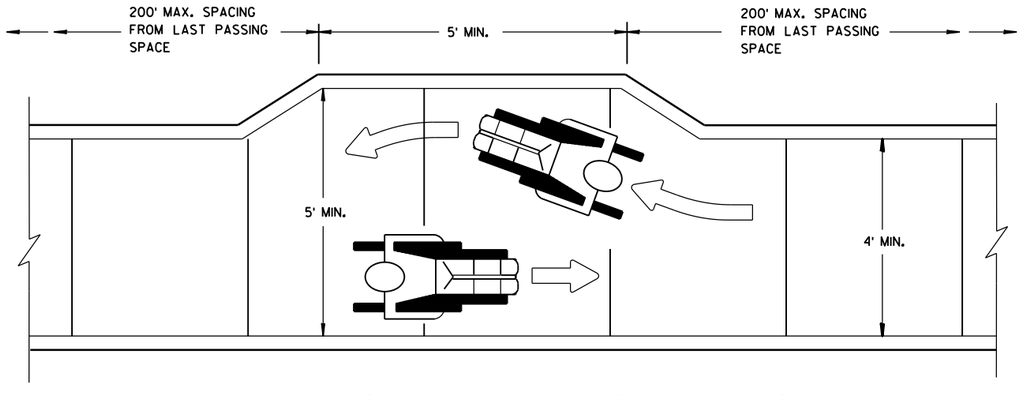
PLAN VIEW

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
June 2016
DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZON SAFETY ENGIN IC
FHWA

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S.D.D. 15 D 30-3c

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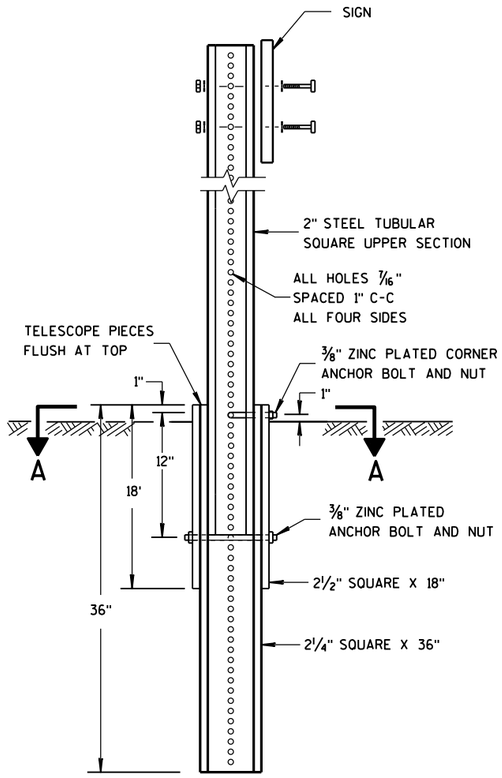
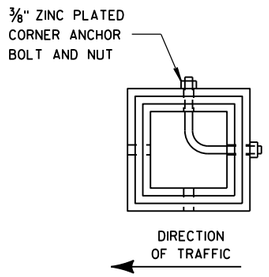
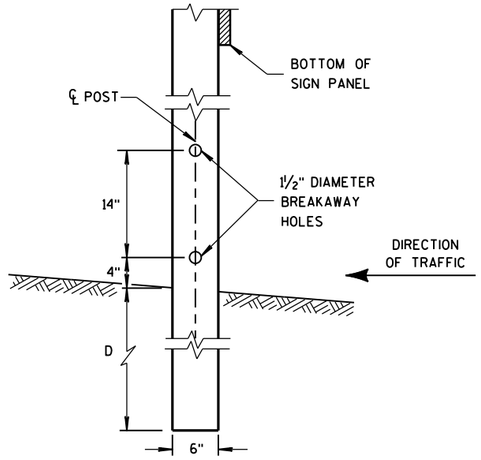
S.D.D. 15 D 30-3c



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



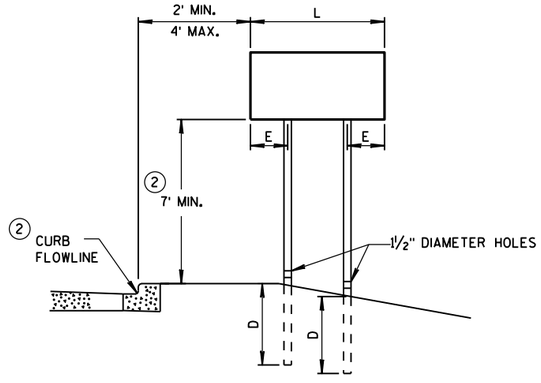
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

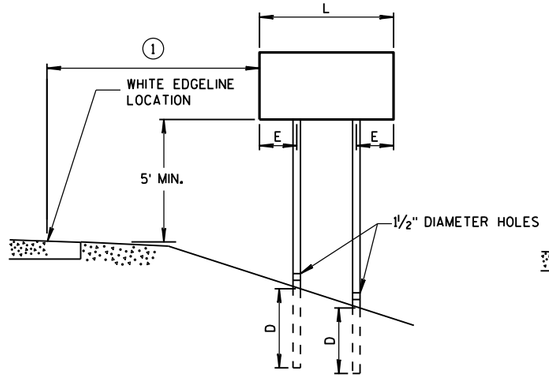
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

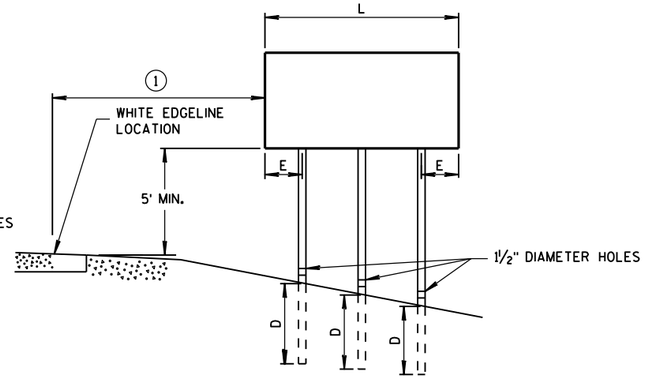
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SQ. FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

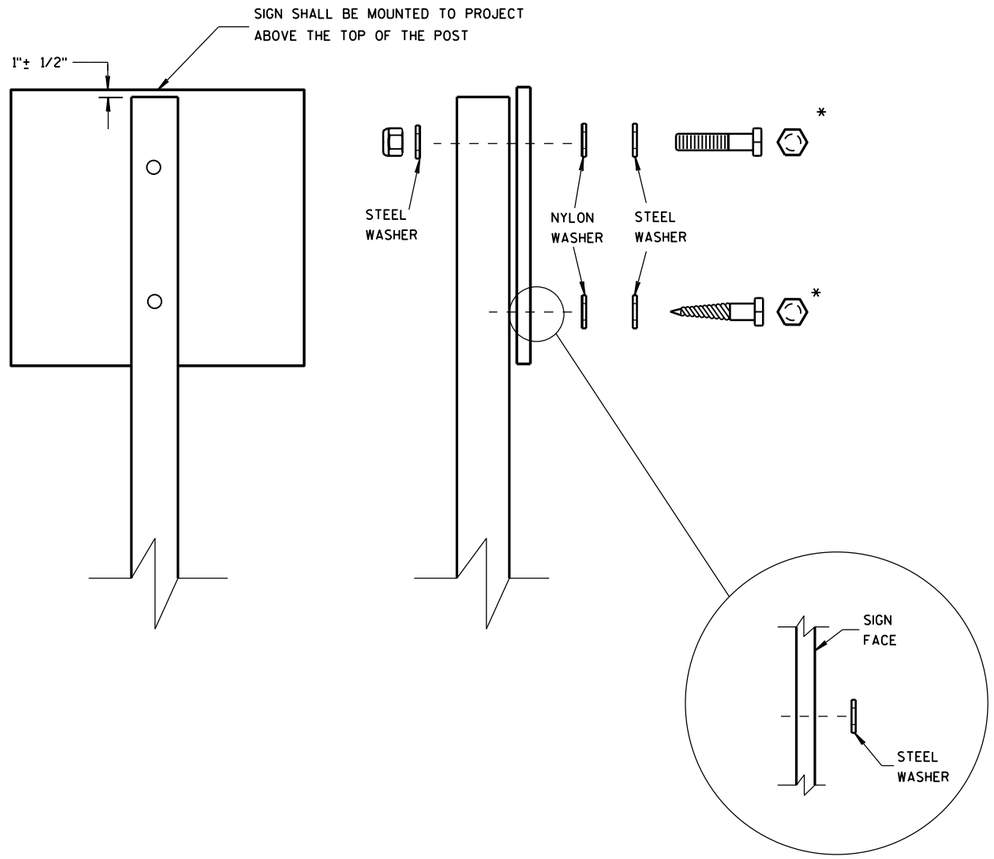
SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 15 D 38-2a



WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

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

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

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S.D.D. 15 D 38-2b

S.D.D. 15 D 38-2b

ATTACHMENT OF SIGNS TO POSTS

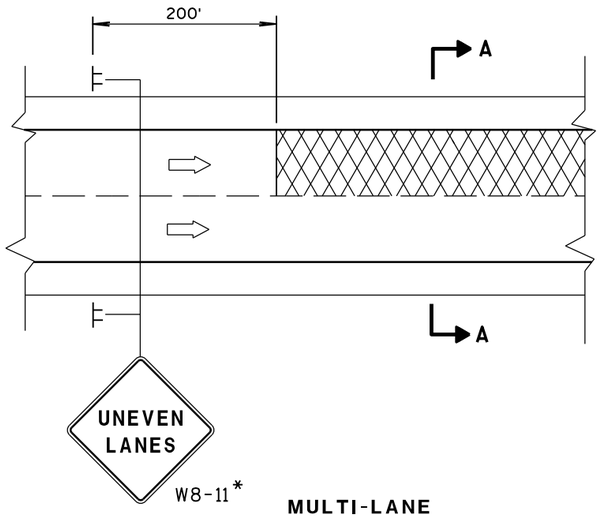
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

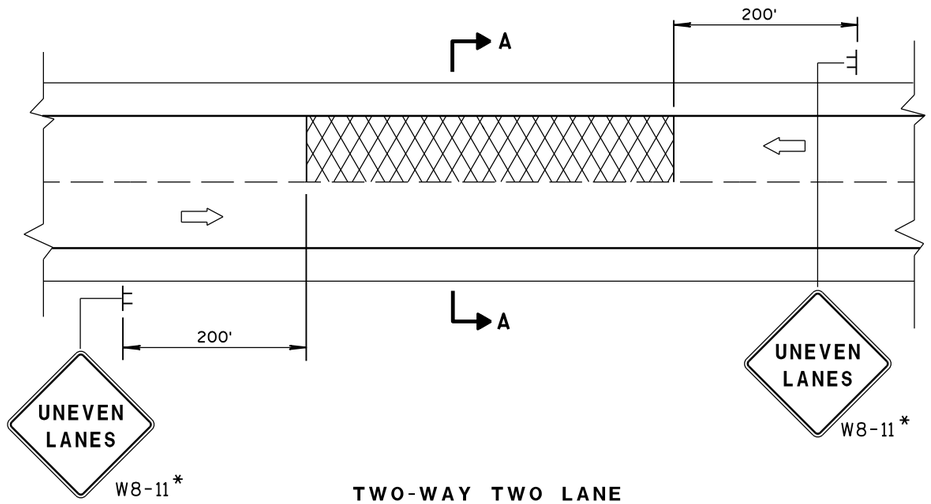
June 2017
DATE

/S/ Andrew Heldtke
WORK ZONE ENG

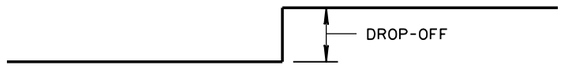
FHWA



MULTI-LANE

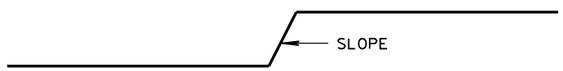


TWO-WAY TWO LANE

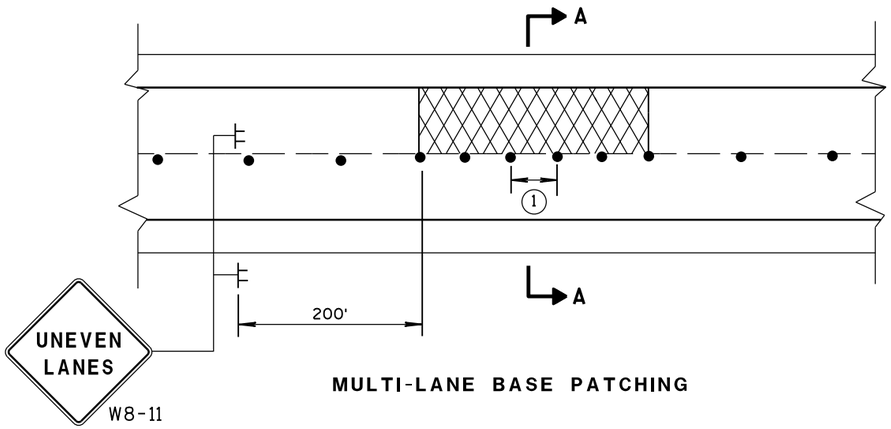


SECTION A-A

OR

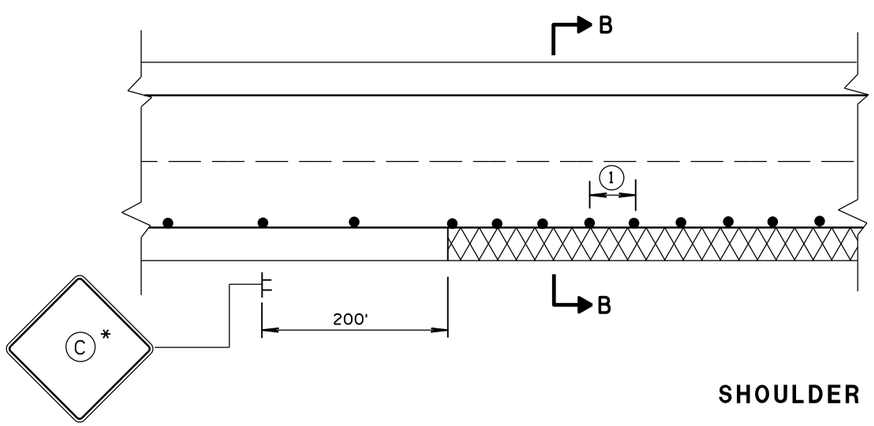


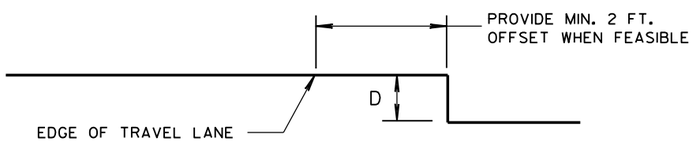
SECTION A-A



MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS





SECTION B-B

SHOULDER DROP-OFFS

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY ½ MILE.

(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER W08-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP-OFF W8-9A PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Andrew Heldtke — WORK ZONE ENGI
FHWA

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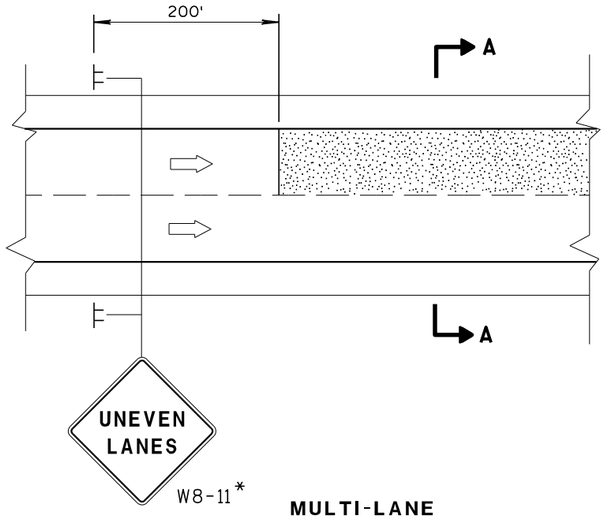
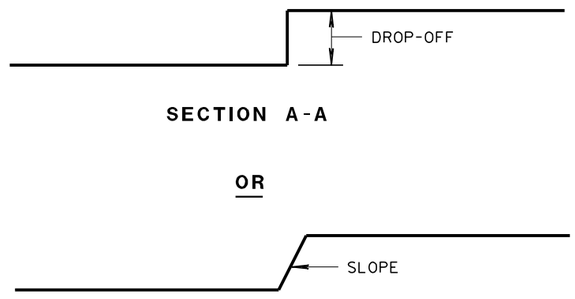
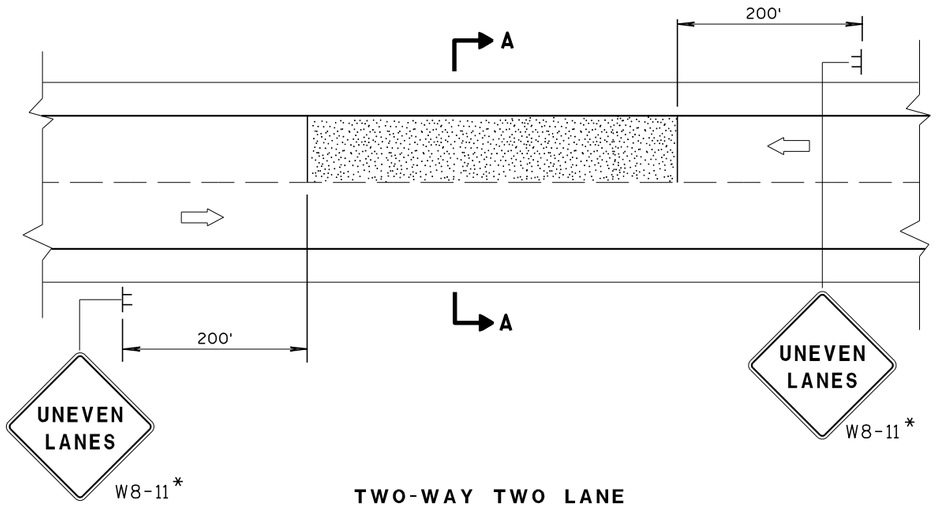
S.D.D. 15 D 39-1

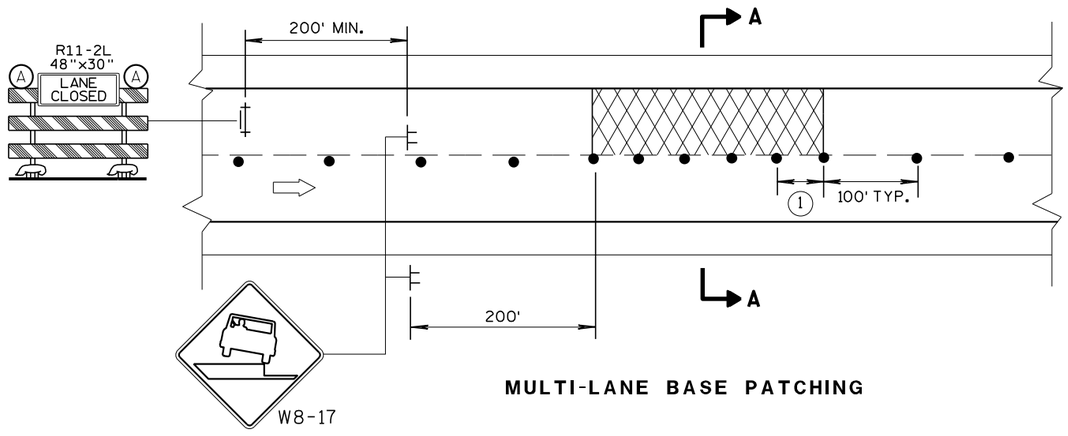


MULTI-LANE



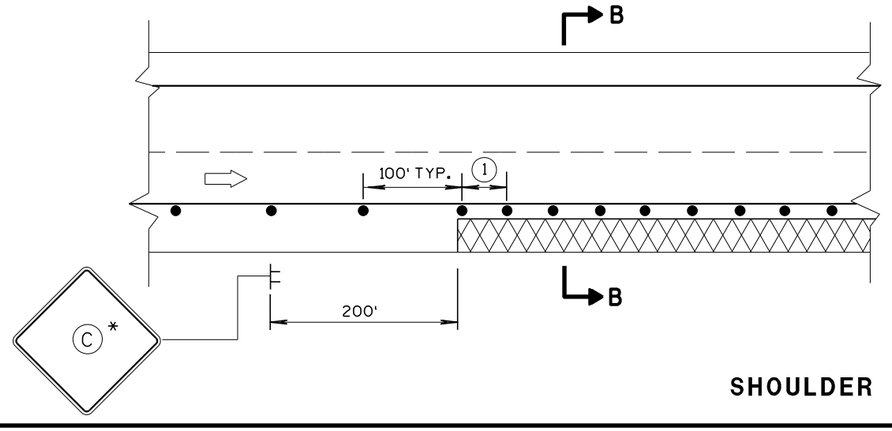


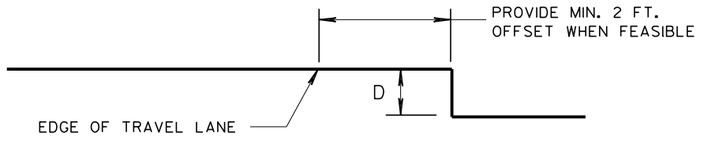
TWO-WAY TWO LANE



MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS





SECTION B-B

SHOULDER DROP-OFFS

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EACH ENTRANCE RAMP.

(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF
- MILLED SURFACE

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER WO8-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP-OFF W8-9A PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

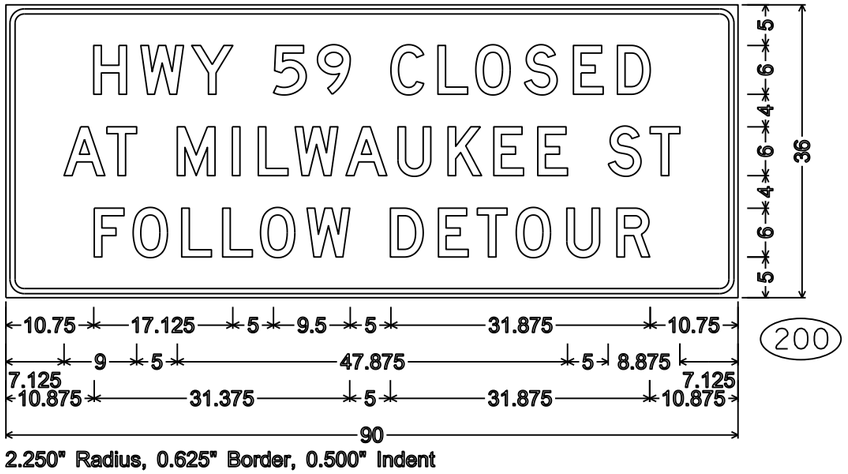
APPROVED
March 2018
DATE
/S/ Andrew H
WORK ZONE EN
FHWA

6

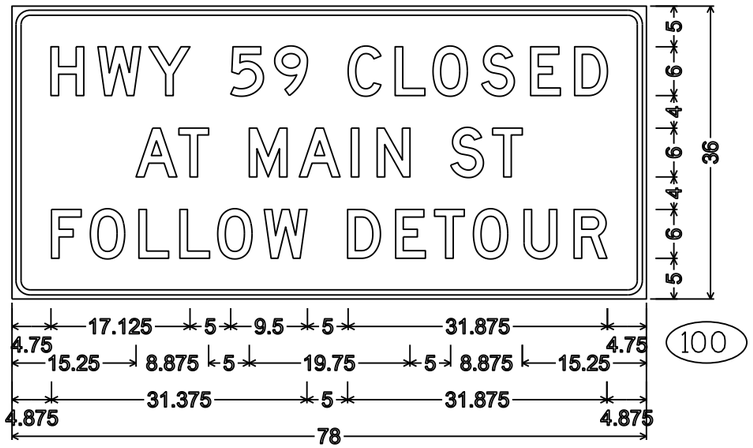
S.D.D. 15 D 39-2

NOTES

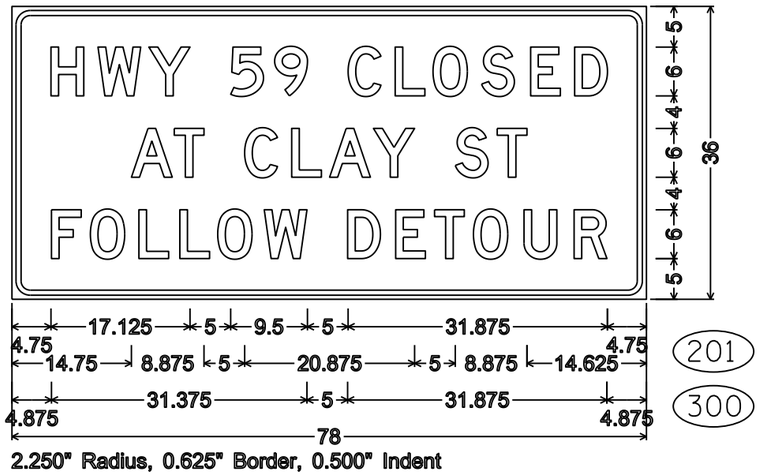
1. Fixed Message Type II Signs - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D



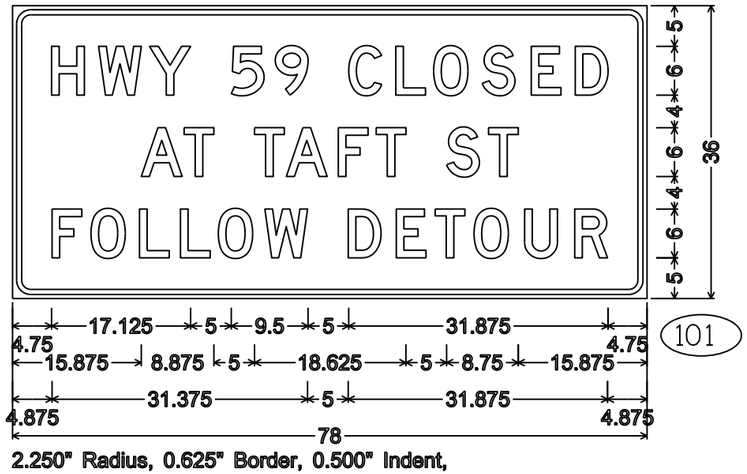
2.250" Radius, 0.625" Border, 0.500" Indent



2.250" Radius, 0.625" Border, 0.500" Indent



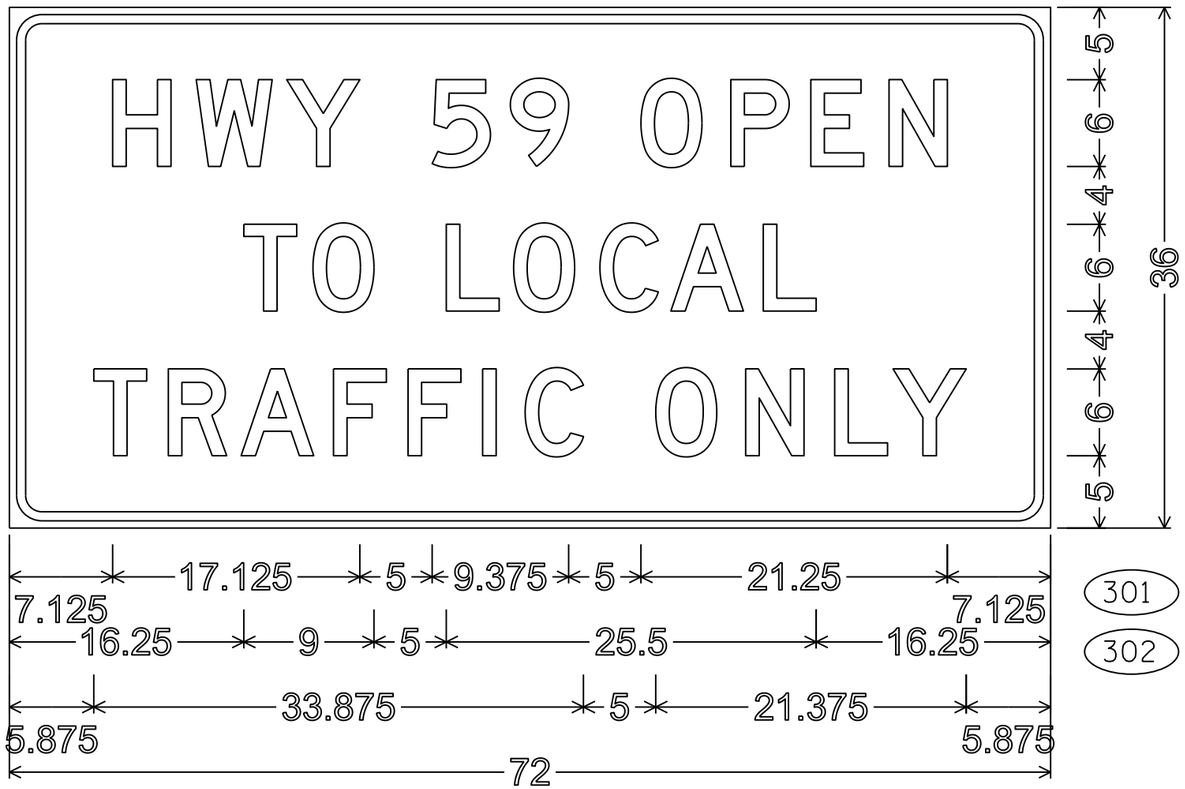
2.250" Radius, 0.625" Border, 0.500" Indent



2.250" Radius, 0.625" Border, 0.500" Indent,

NOTES

1. Fixed Message Type II Signs - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D

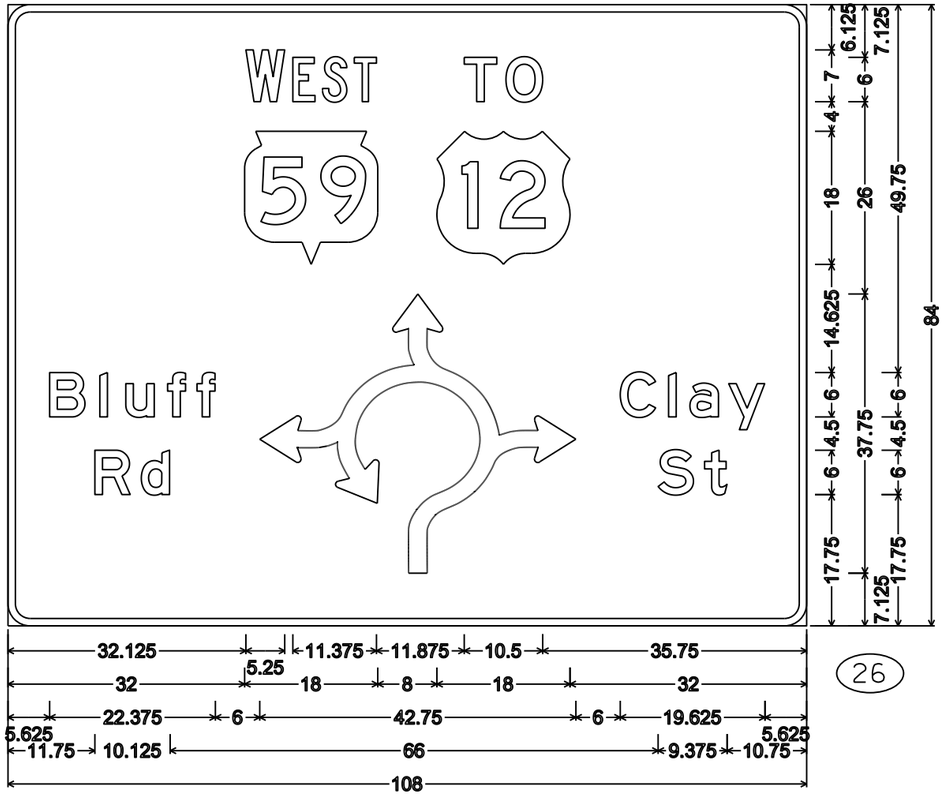


2.250" Radius, 0.625" Border, 0.500" Indent

7

7

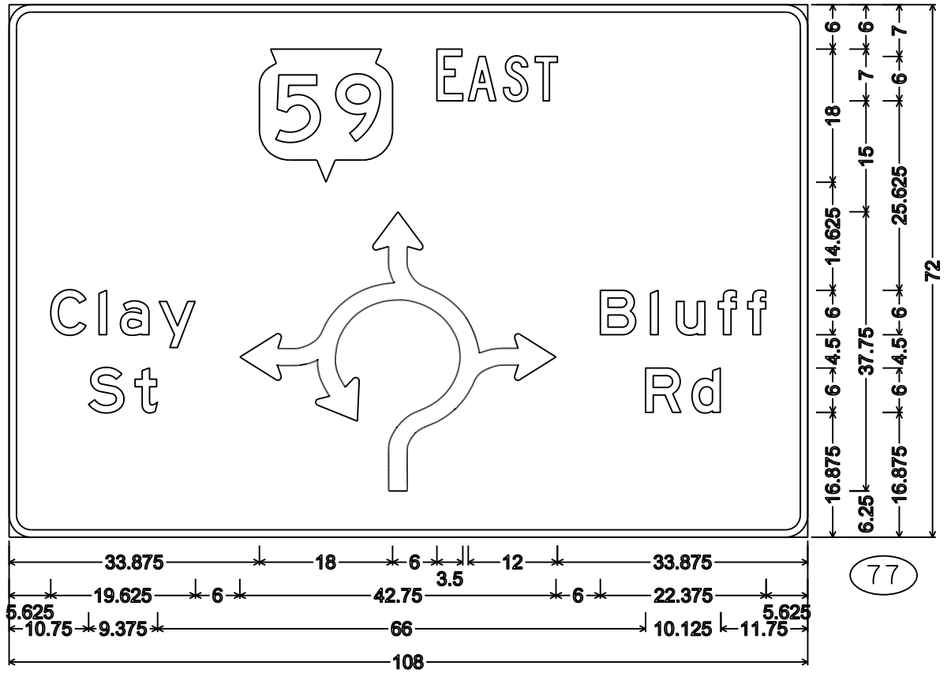
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	TEMPORARY SIGNING	SHEET NO: 251	E



3.000" Radius, 1.000" Border,
"WEST" C; "TO" E; "Bluff" E; "Rd" E; "Clay" E; "St" E

NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - As noted

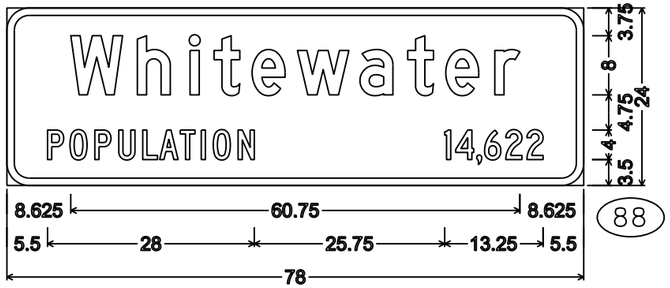


3.000" Radius, 1.000" Border,
"EAST" C; "Clay" E; "St" E; "Bluff" E; "Rd" E

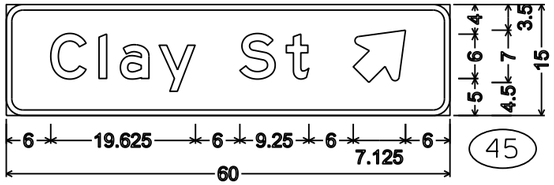
7

7

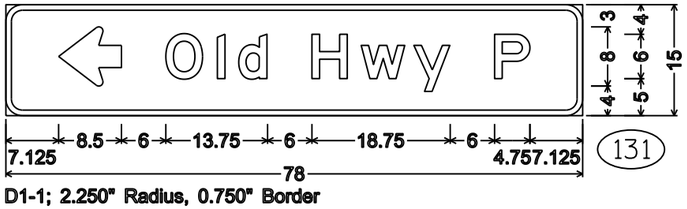
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	PERMANENT SIGNING	SHEET NO: 252	E



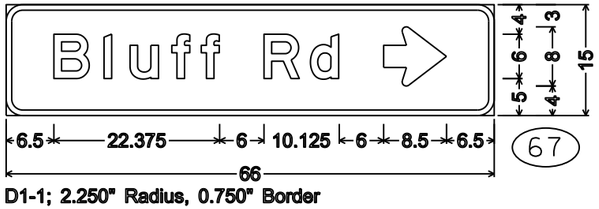
I2-3; 3.000" Radius, 1.000" Border,
"Whitewater" D; "POPULATION" C; "14,622" C



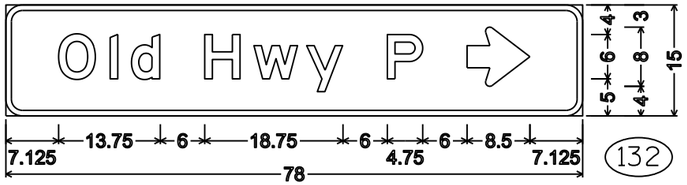
D1-1;
2.250" Radius, 0.750" Border



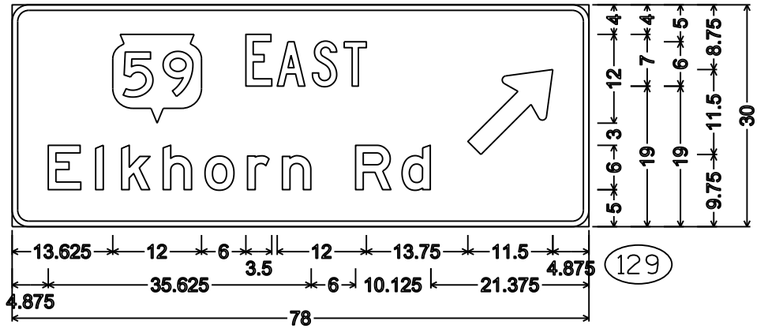
D1-1; 2.250" Radius, 0.750" Border



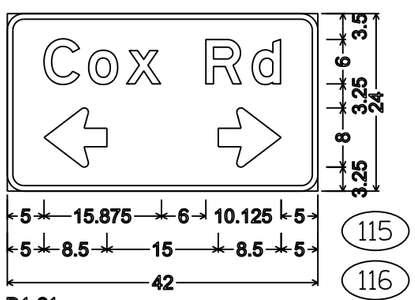
D1-1; 2.250" Radius, 0.750" Border



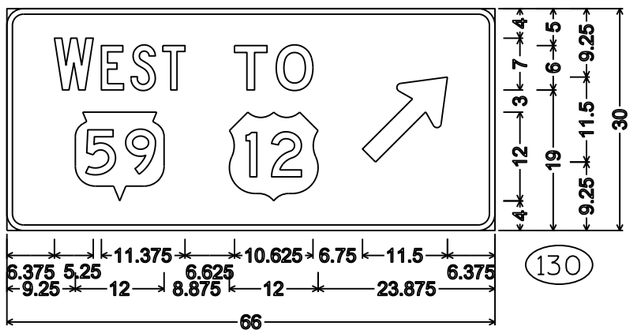
D1-1; 2.250" Radius, 0.750" Border



D1-2; 2.250" Radius, 0.750" Border,
"EAST" C; "Elkhorn" E; "Rd" E



D1-61;
2.250" Radius, 0.750" Border



D1-2; 2.250" Radius, 0.750" Border,
"WEST" C; "TO" E

NOTES

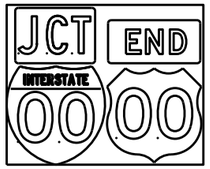
1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted

7

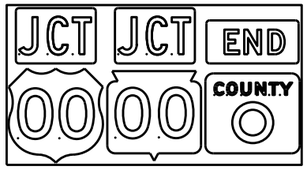
7

TYPICAL ASSEMBLIES

J1-1

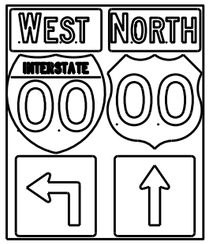


J1-2

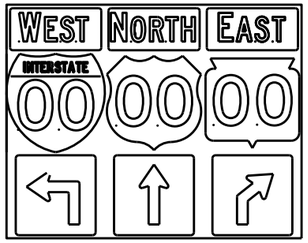


J1-3

J2-1



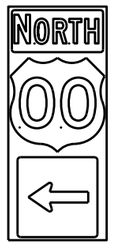
J2-2



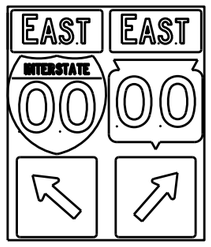
J2-3

JV

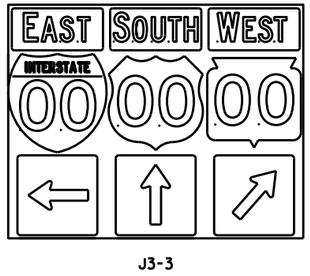
(Typical Vertical J-Assembly
See Note 10 and 11)



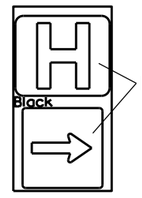
J3-1



J3-2

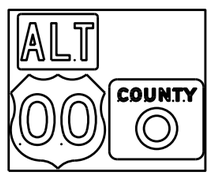


J3-3

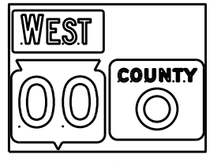


JH-1

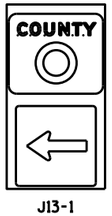
J4-1



J4-2



J4-2



J13-1

J12-1

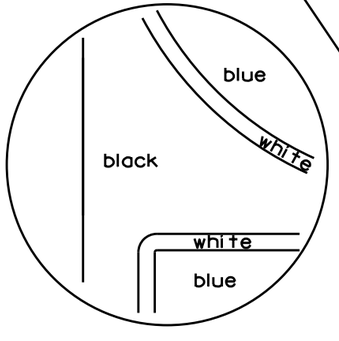
J32-1

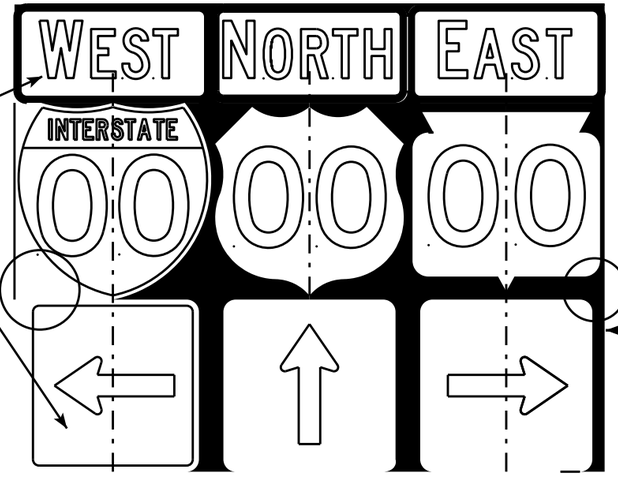
J33-1

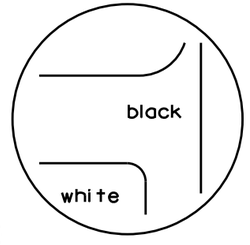
J23-1

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

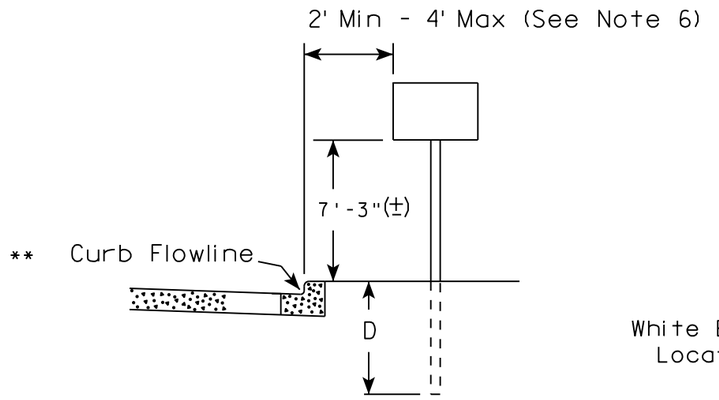
DATE 2/06/14 PL... A2-1S.8

PROJECT NO: | SHEET NO: E

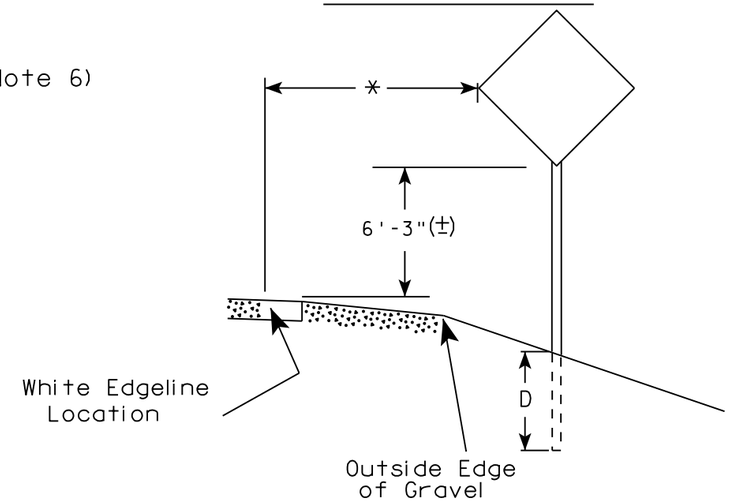
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A21S.DGN PLOT DATE : 06-FEB-2014 14:10 PLOT BY : mscsja PLOT NAME :

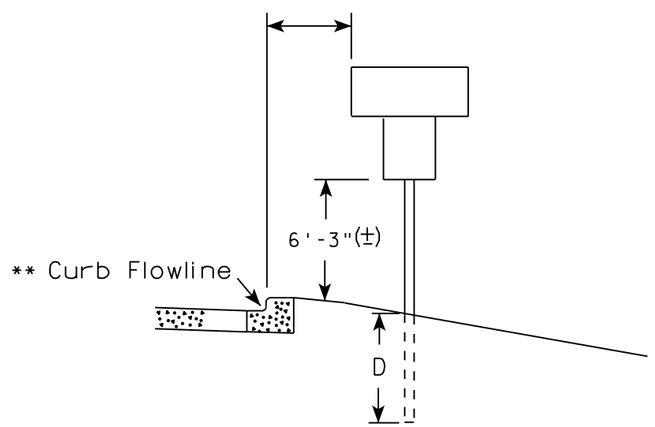
WISDOT/CADDS SHEET 42

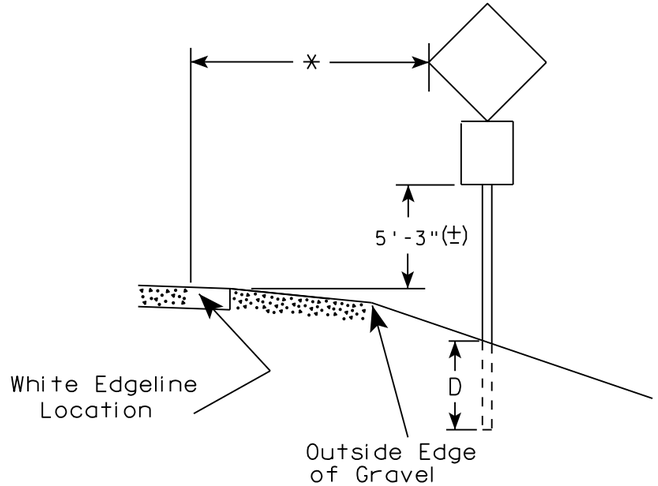
URBAN AREA



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. J-Assemblies are considered to be one sign for mounting height.
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

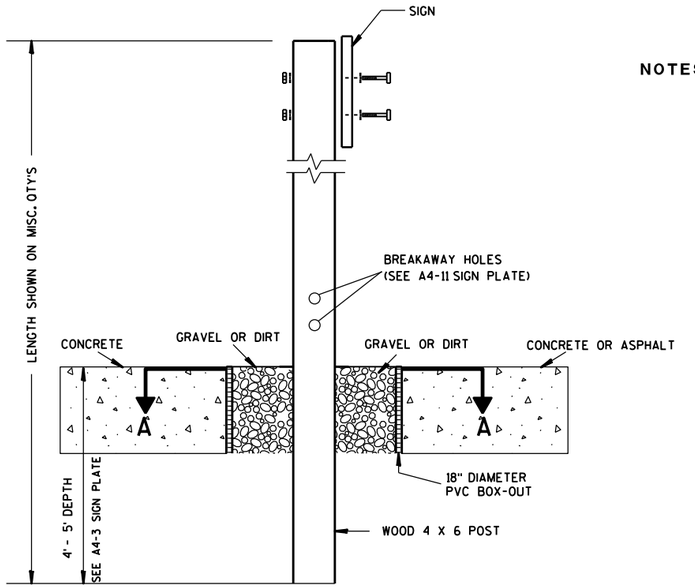
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-3.21

7

7

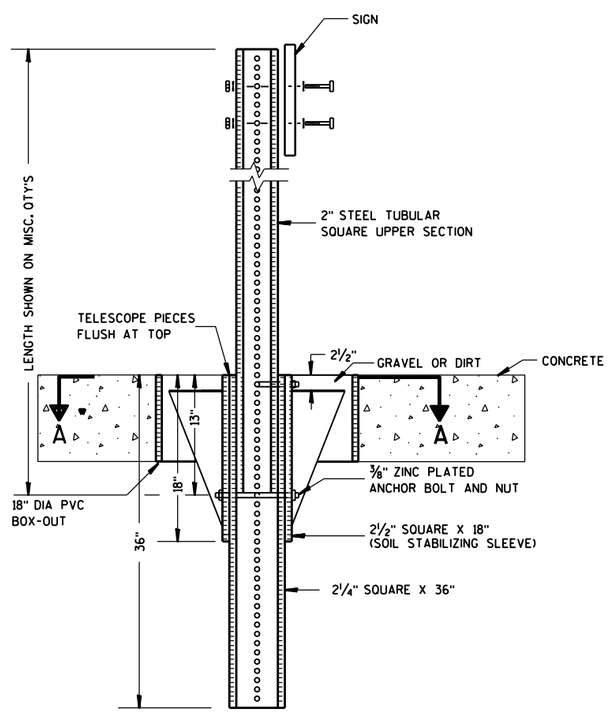
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 255	E



ELEVATION VIEW

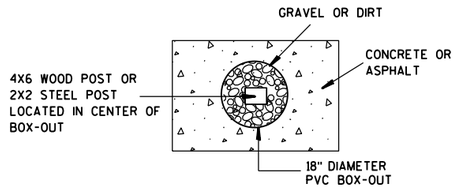
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

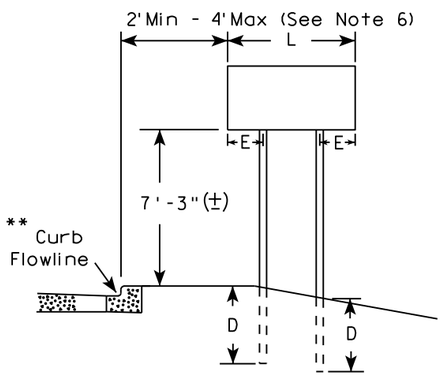
APPROVED Matthew R Rauch
for State Traffic Engineer

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

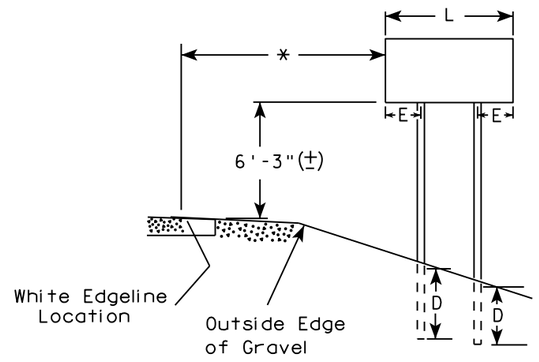
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

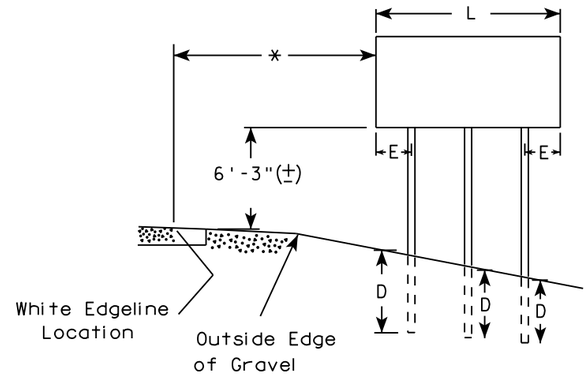
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

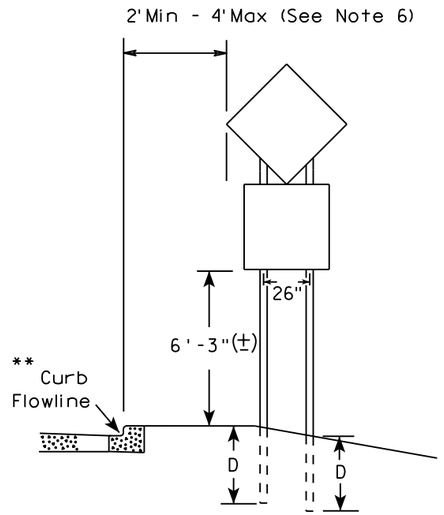
URBAN AREA



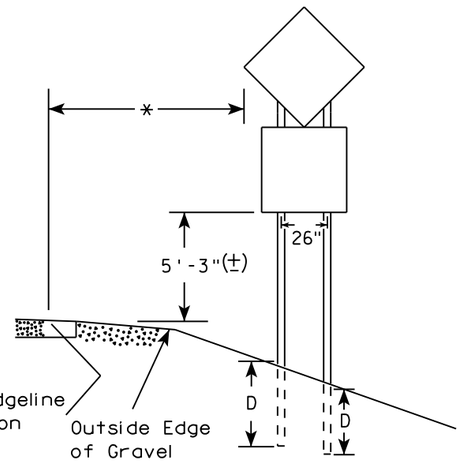
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

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

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

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

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

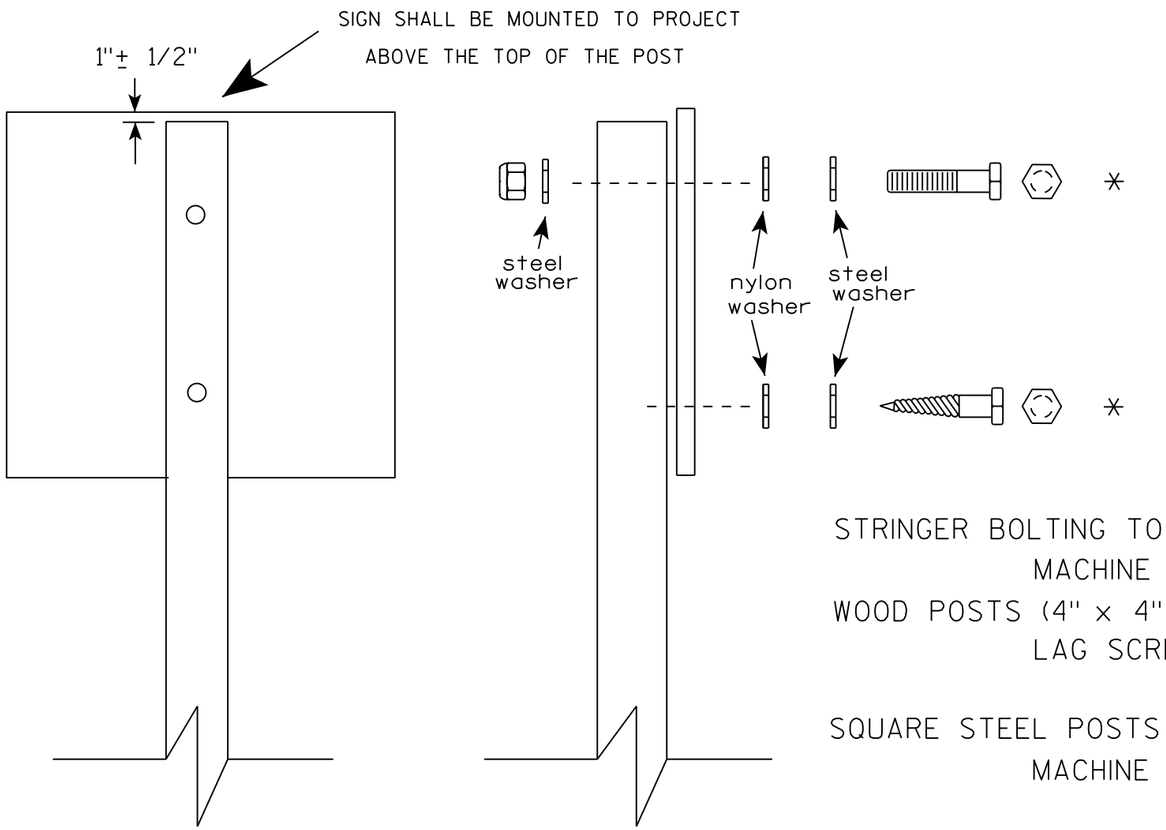
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 257	E



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

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)

3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)

3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/11/16 PLATE NO. A4-8.8

7

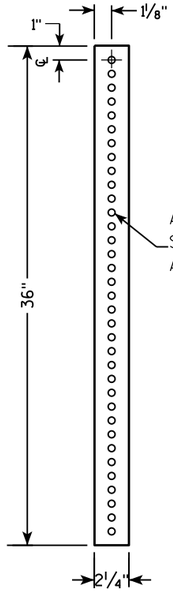
PROJECT NO:

SHEET NO: E

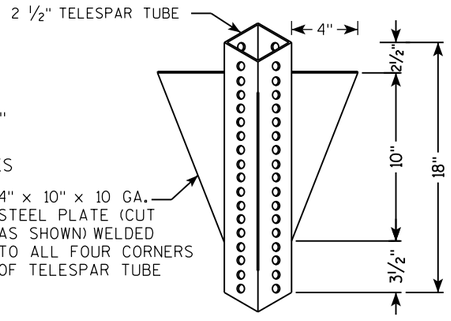
FILE NAME : C:\CADfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 11-AUG-2016 11:35 PLOT BY : $$ plotuser $$

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

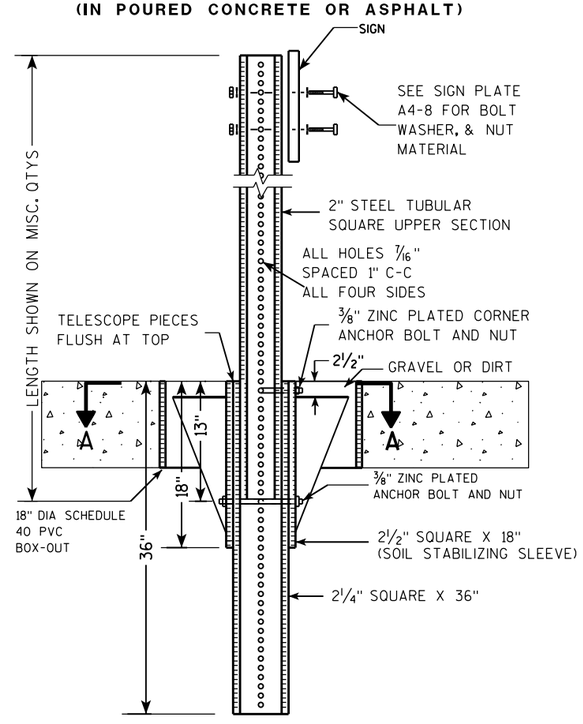
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



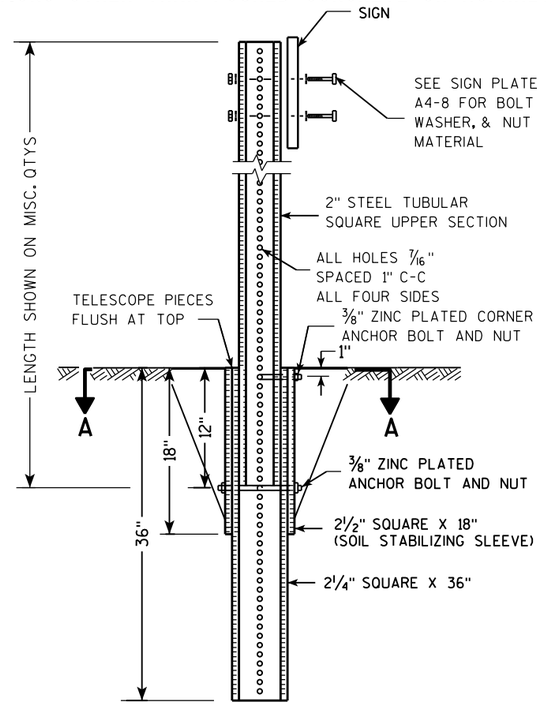
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

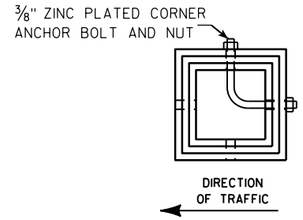


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

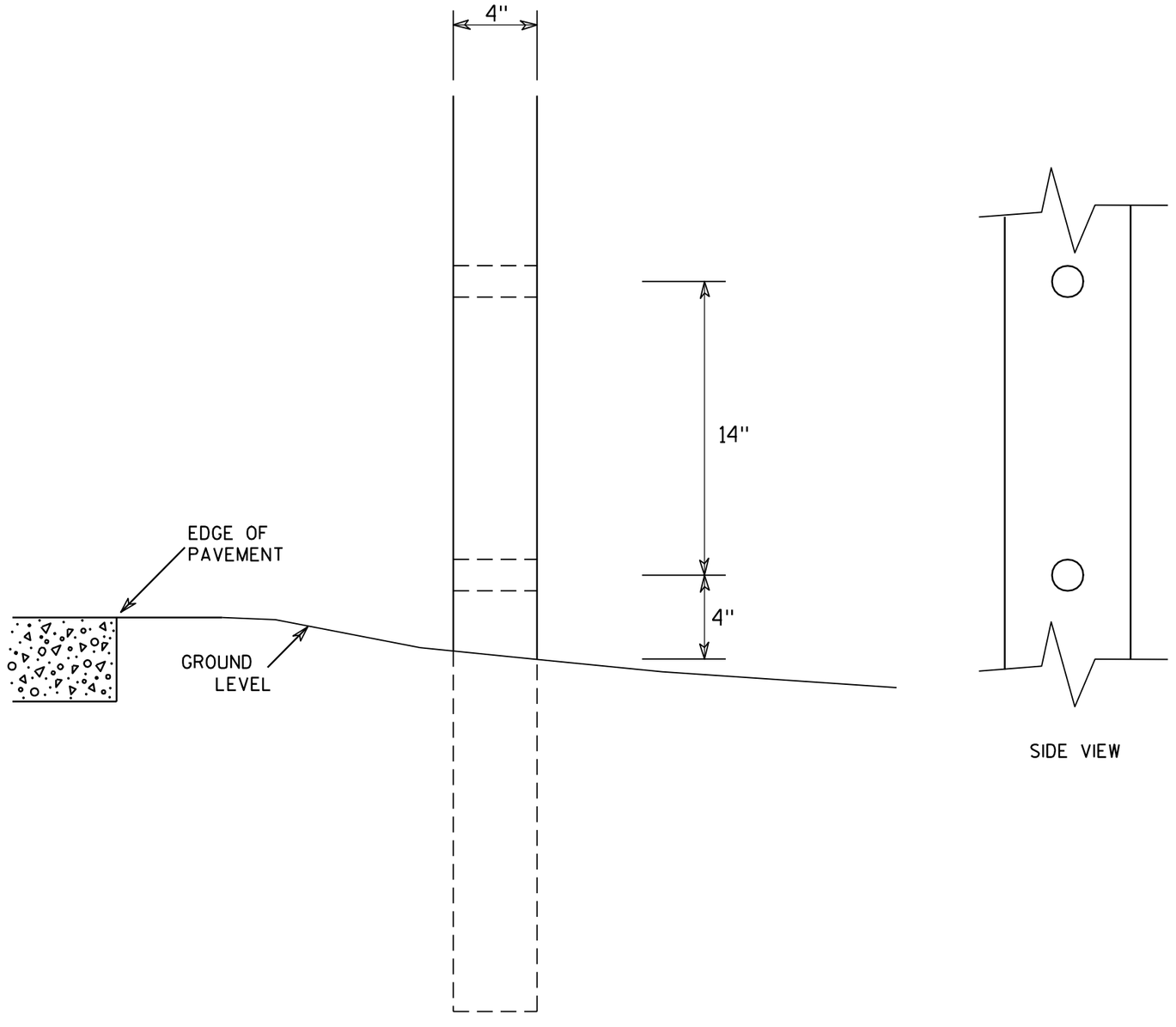
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 259 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



SIDE VIEW

GENERAL NOTES

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

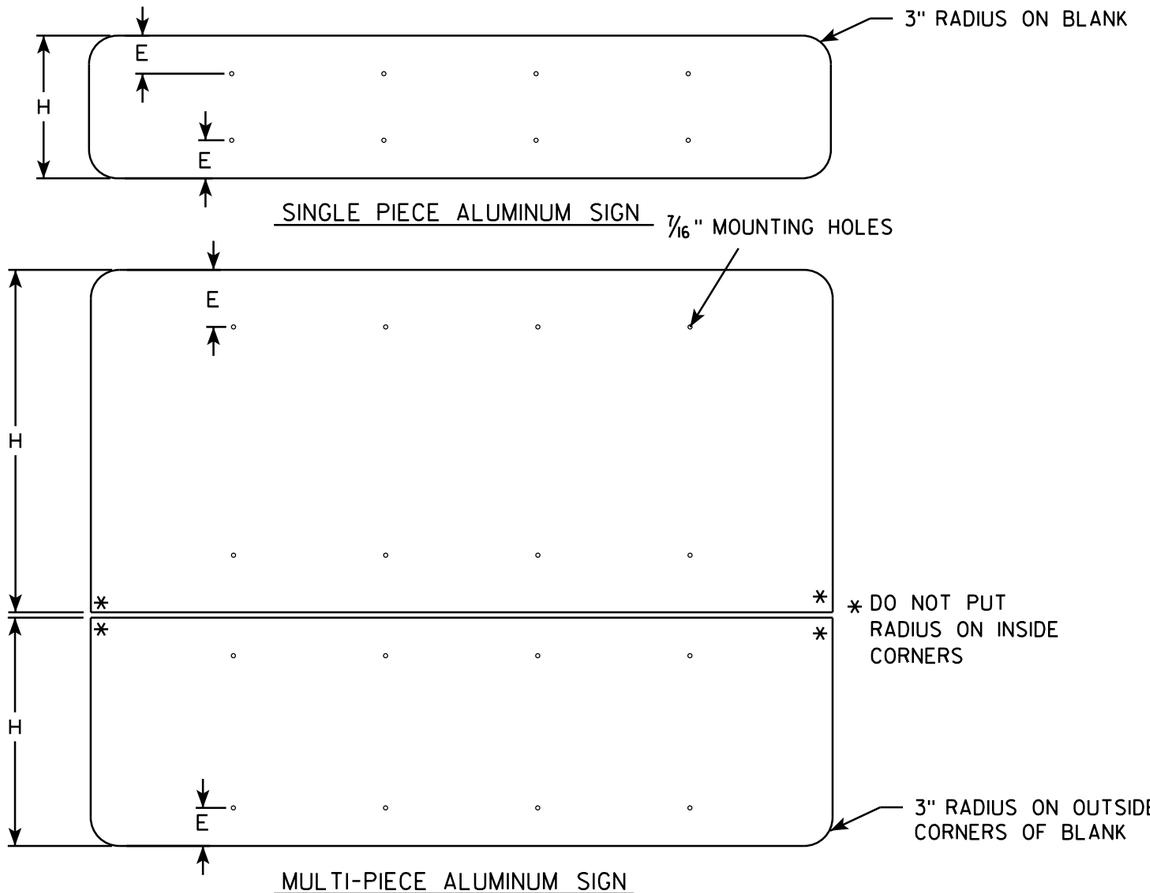
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

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

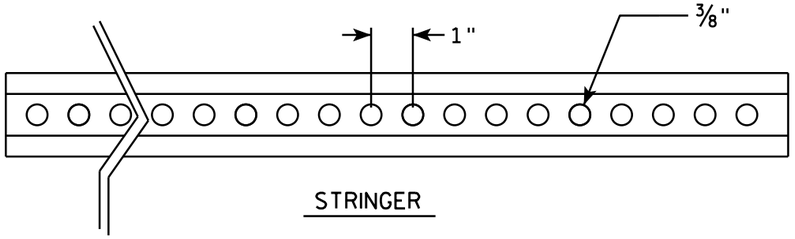
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 260	E



GENERAL NOTES

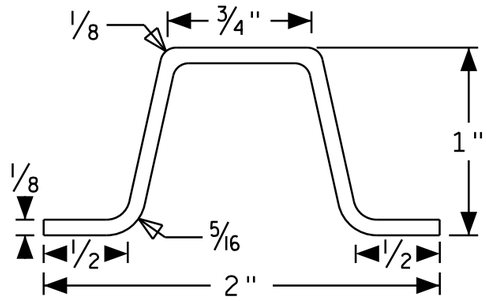
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

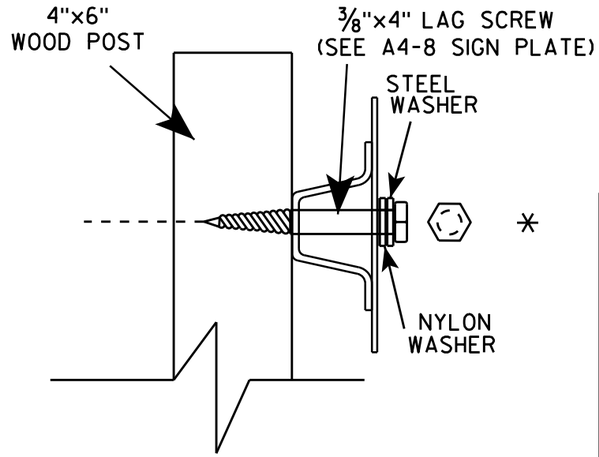


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

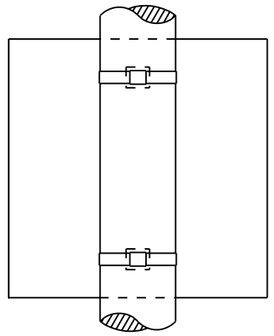
DATE 4/26/16 PLATE NO A4-18.1

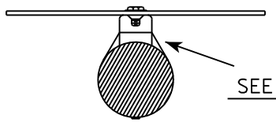
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

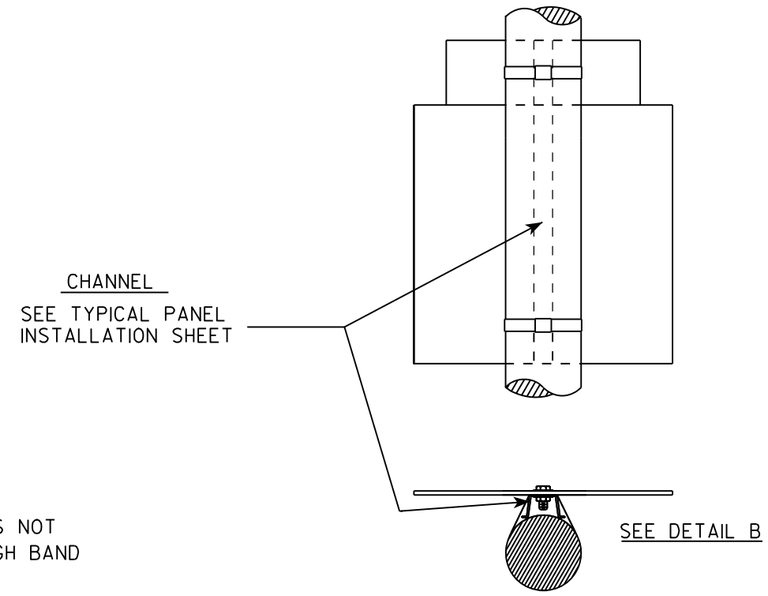
BANDING

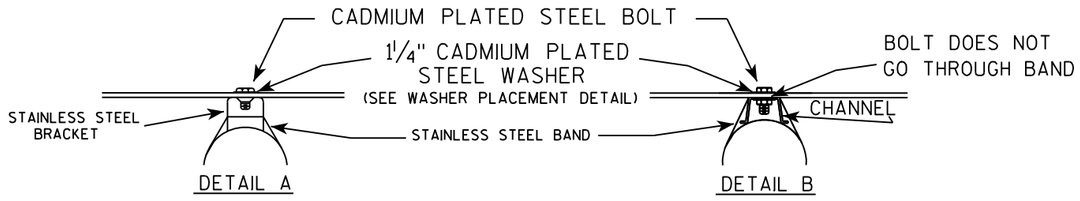
SINGLE SIGN



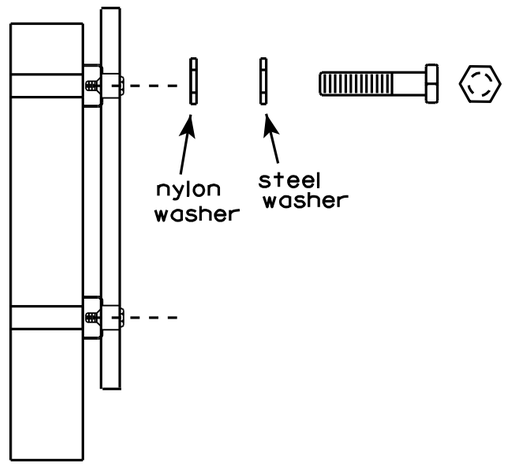


"J" ASSEMBLY





WASHER PLACEMENT



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

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be 3/4" in width and 0.025" thickness.

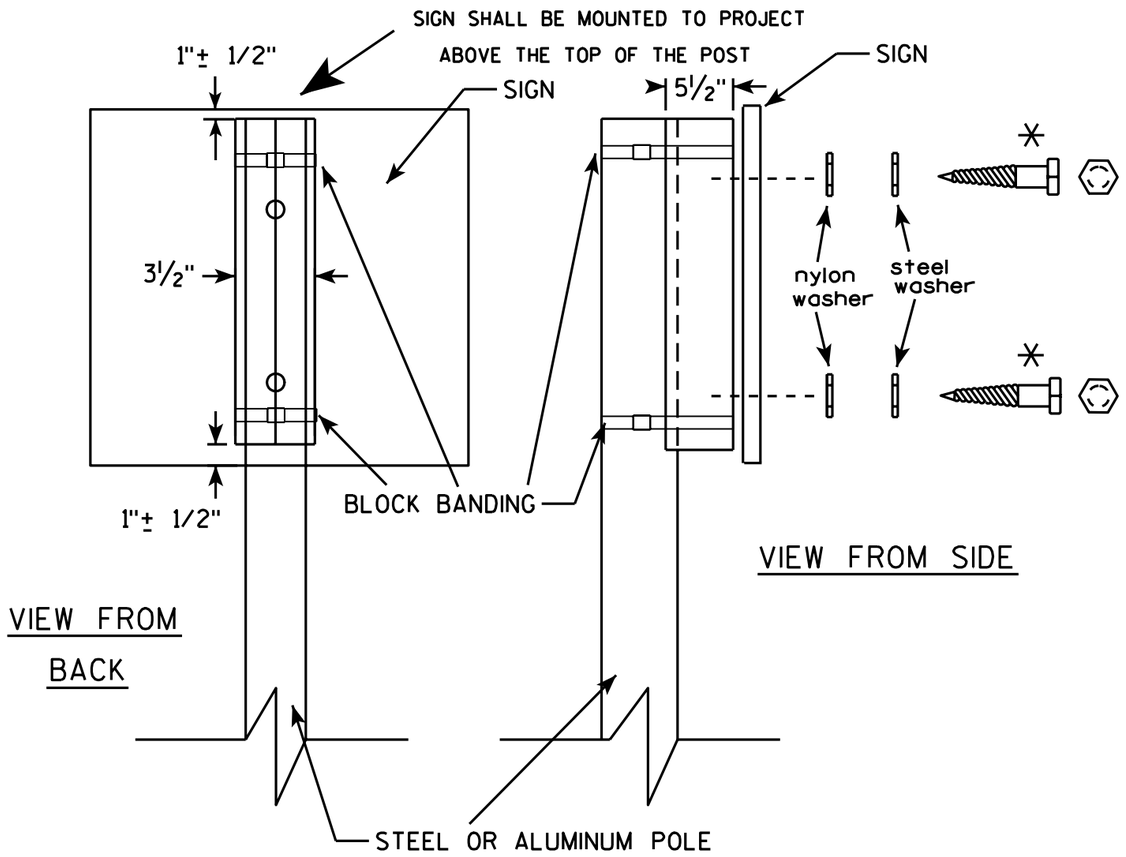
STANDARD SIGN
SIGN BANDING DETAILS

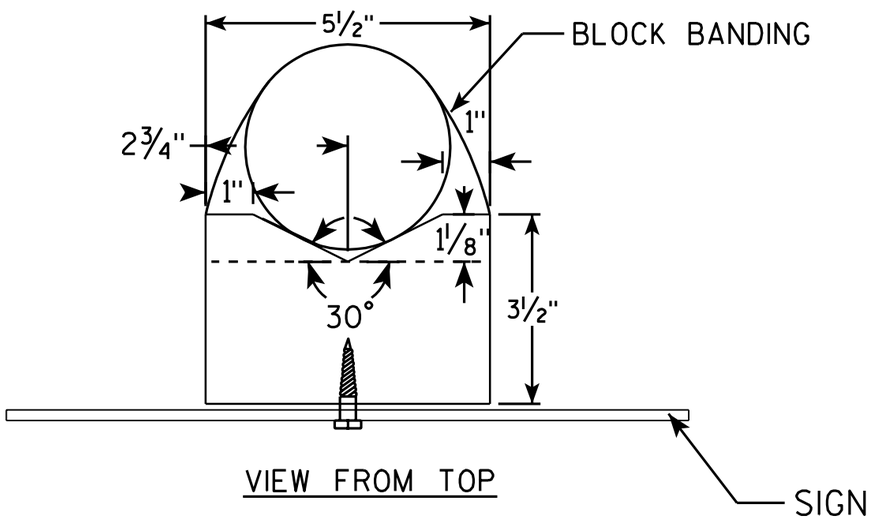
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/16/13 PLATE NO. A5-9.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 262	E





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
   b. Cadmium plated in accordance with ASTM Designation : B 766 TYPE 3, Class 12, or
   c. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

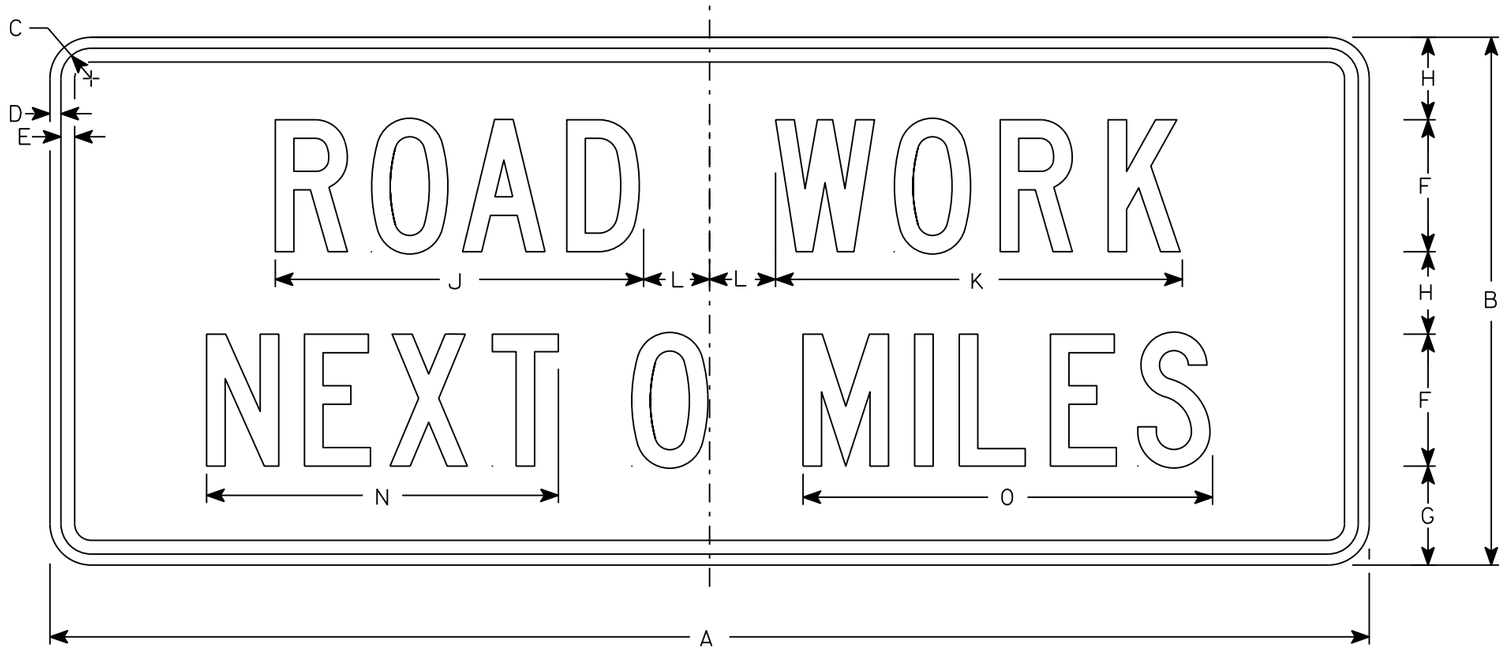
DATE 7/12/07 PLATE NO. A5-10.1

PROJECT NO:

SHEET NO: 263 E

FILE NAME : C:\Users\Projects\tr_stdplate\A510.dgn PLOT DATE : 06-AUG-2007 13:37 PLOT BY : ditjph

WISDOT/CADDS SHEET 42



G20-1

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.
5. Round distance to nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 5/8												10
3																											
4	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 5/8												10
5																											

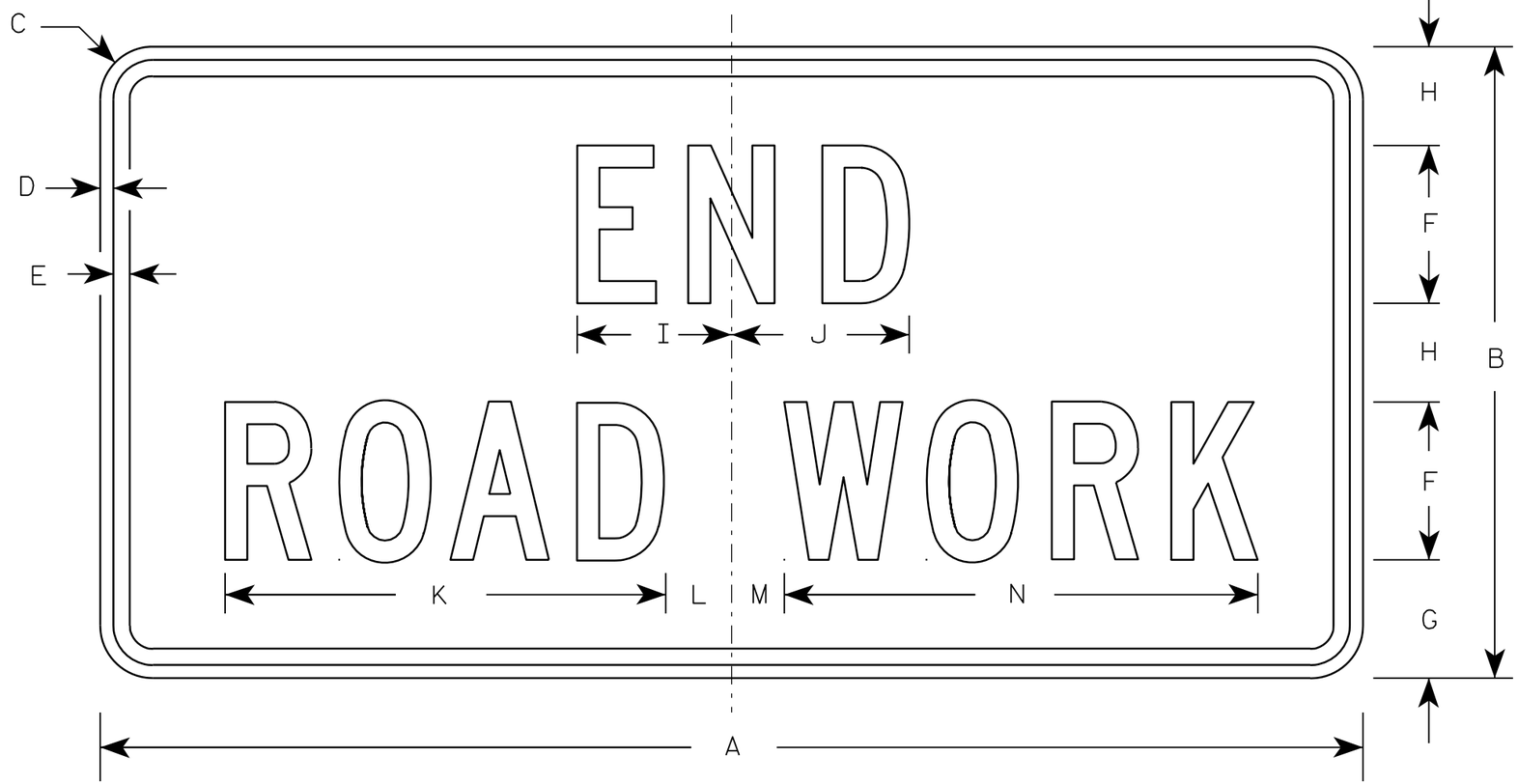
STANDARD SIGN
G20-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/14/17 PLATE NO. G20-1.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 264 | 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

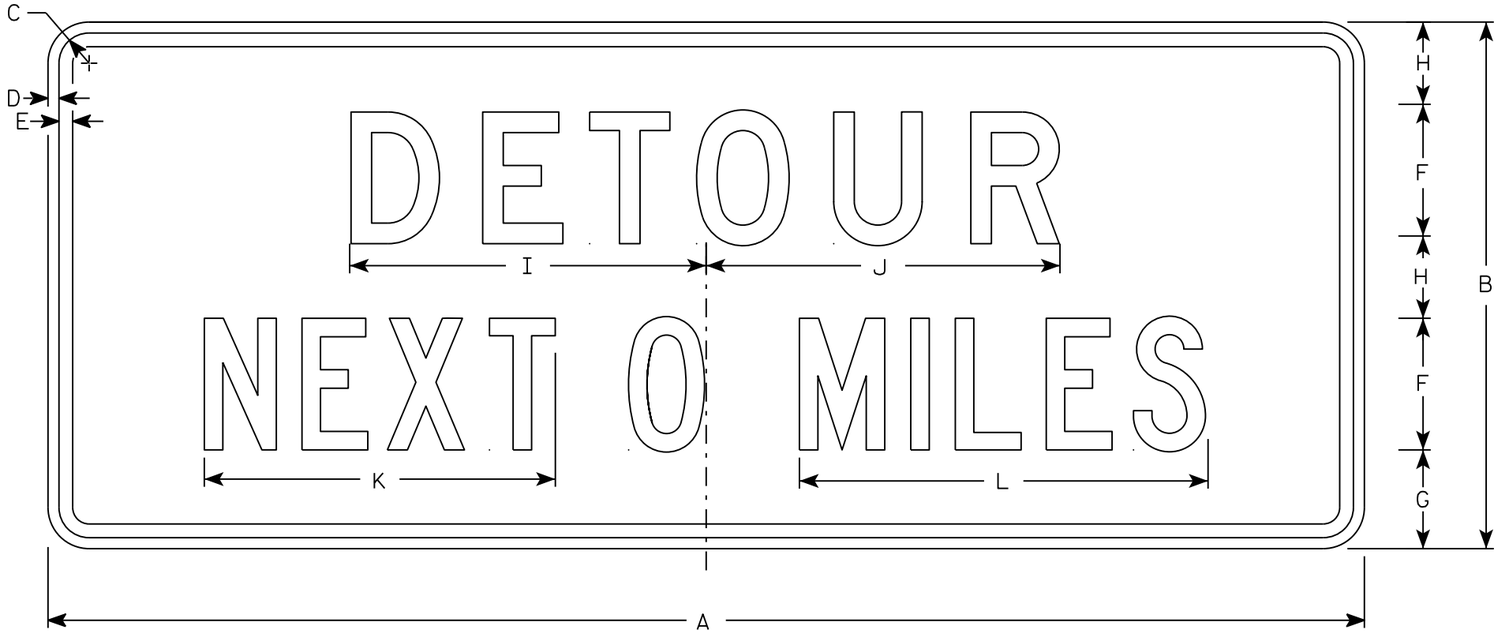
STANDARD SIGN
G20-2A

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: 265	E



G20-51

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - Line 1 is D and Line 2 is C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Round distance to nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10
3																											
4	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10
5																											

STANDARD SIGN
G20-51

WISCONSIN DEPT OF TRANSPORTATION

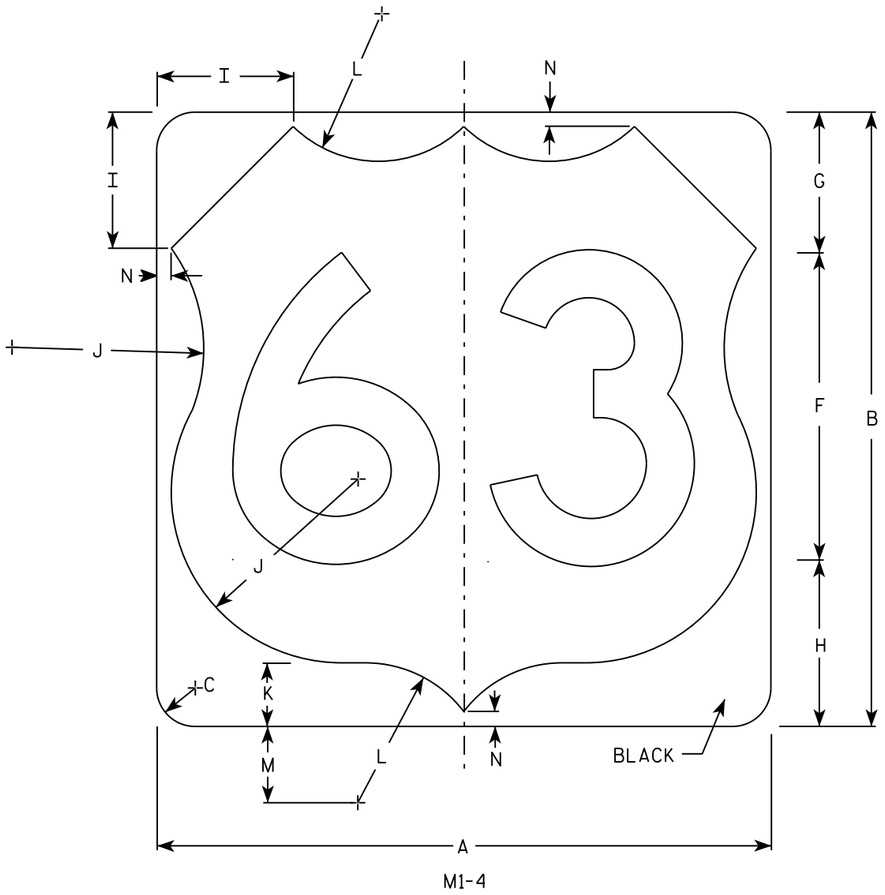
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/14/17 PLATE NO. G20-51.2

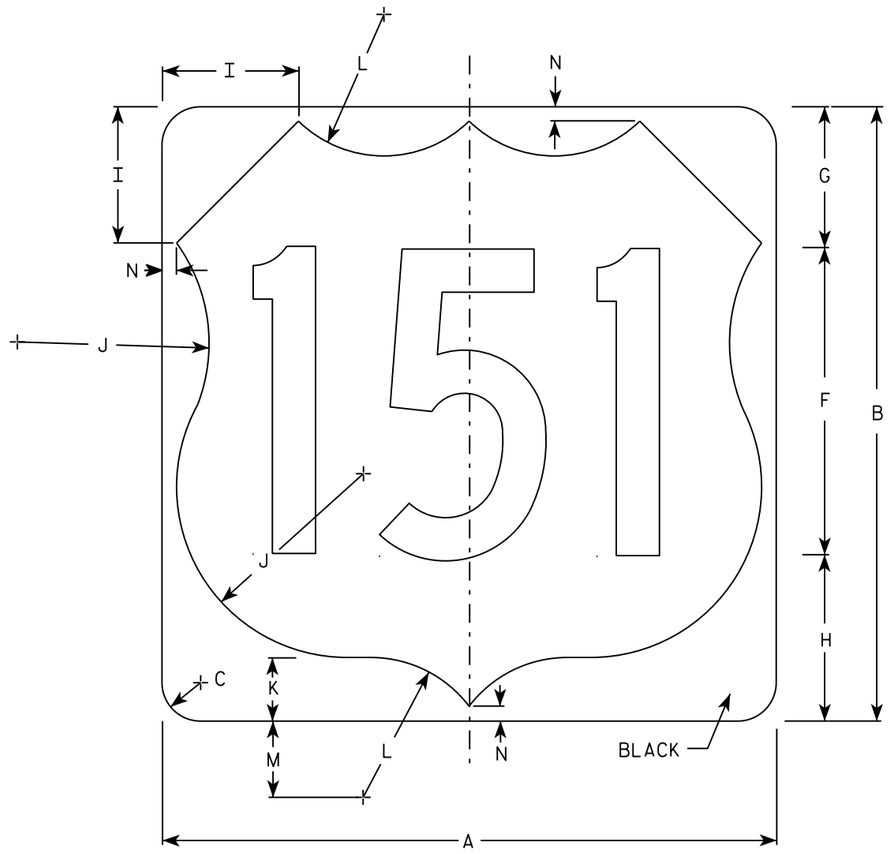
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 266 | E

NOTES

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



M1-4



M1-4

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

USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

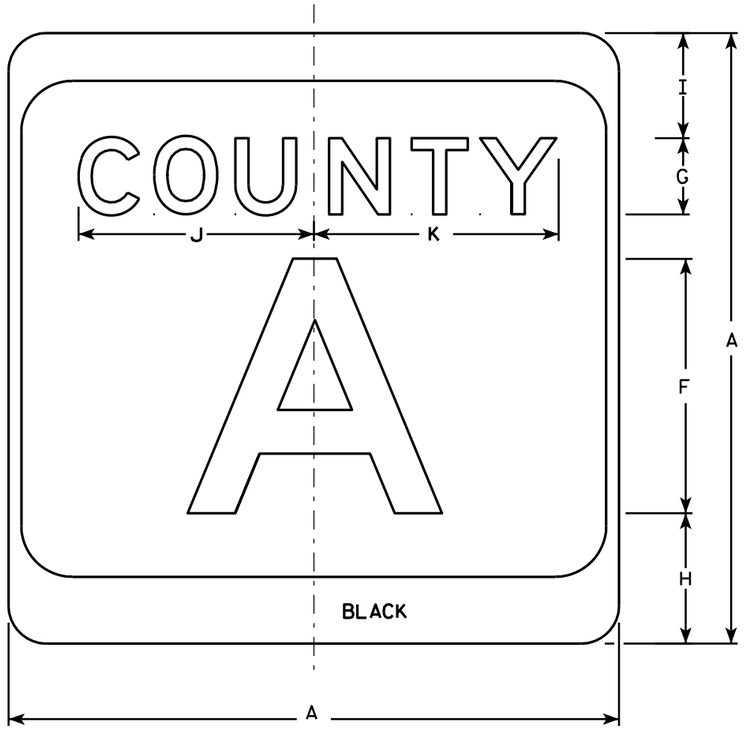
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-4.10

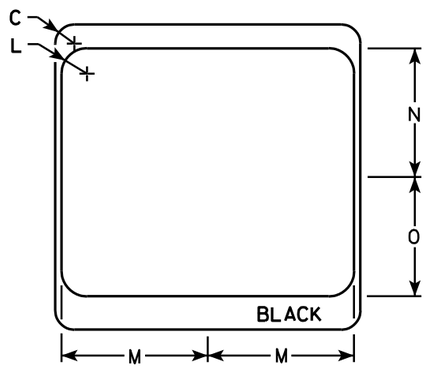
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 267 | E

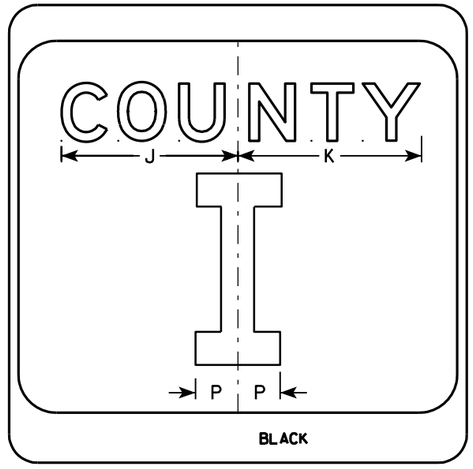
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M14.DGN PLOT DATE : 16-MAR-2018 14:06 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 5.918903:1.000000

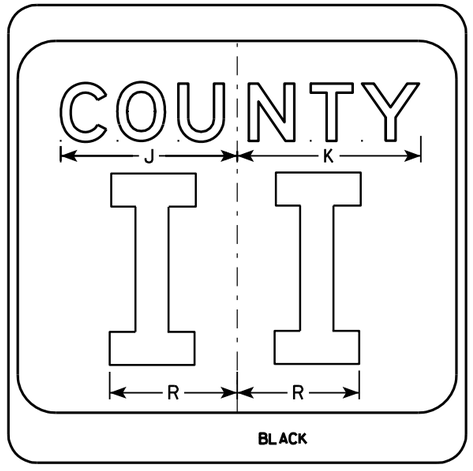
WISDOT/CADDS SHEET 42



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

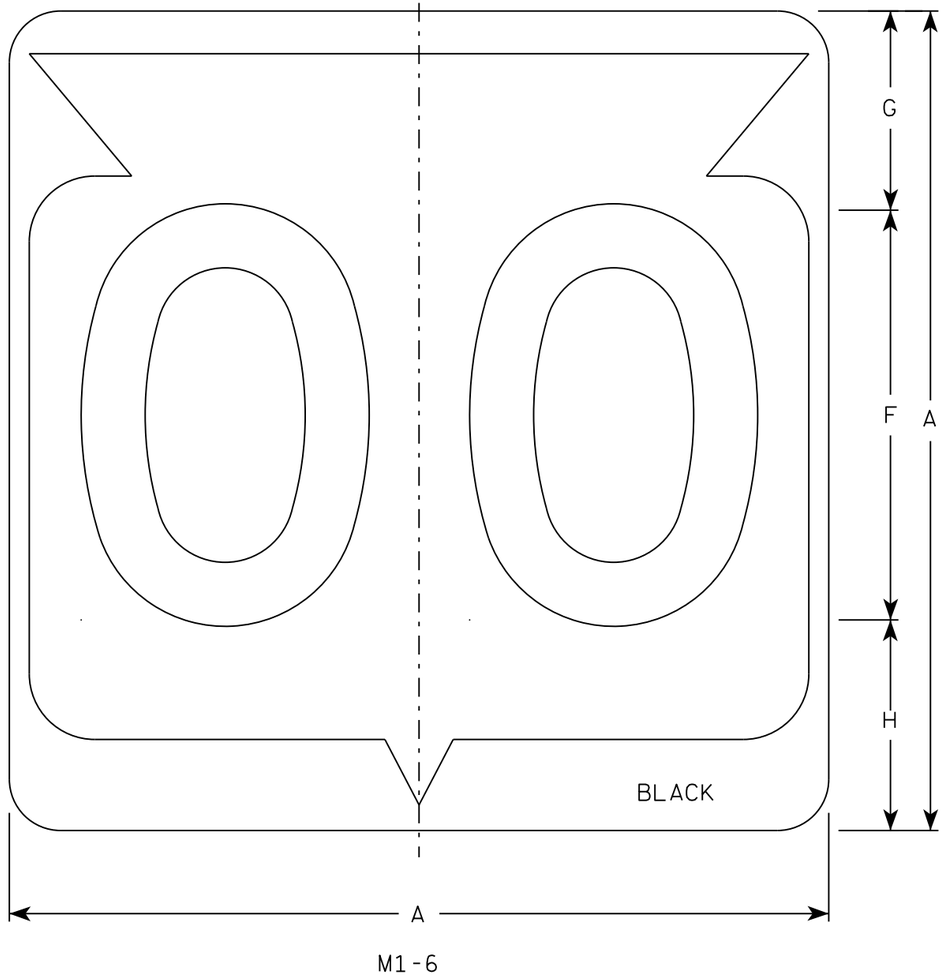
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

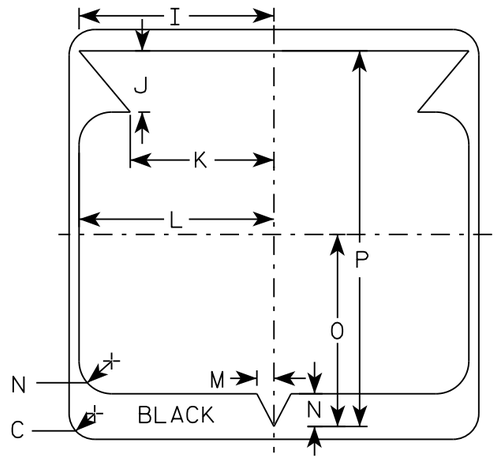
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 268 | E



M1-6

NOTES

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



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

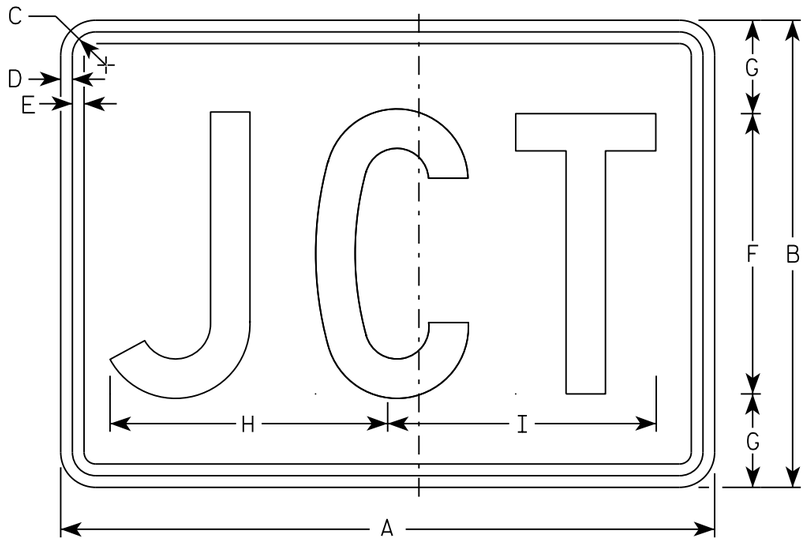
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

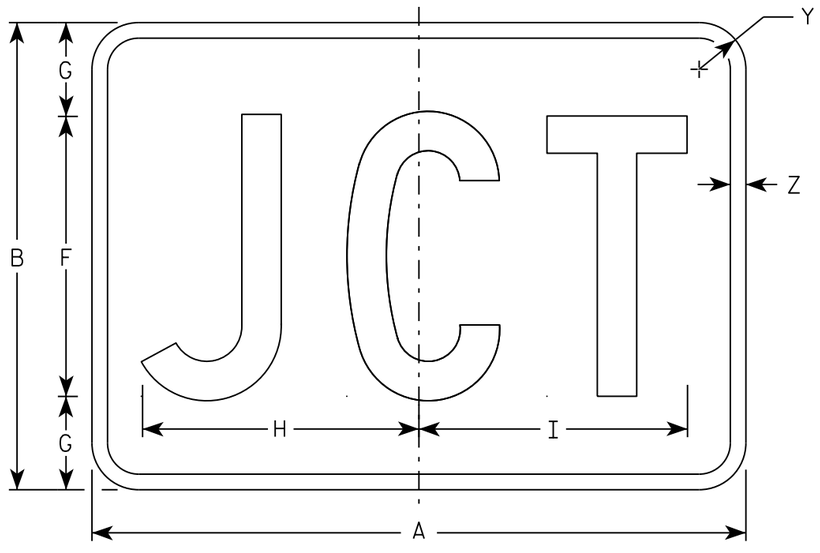
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 269	E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

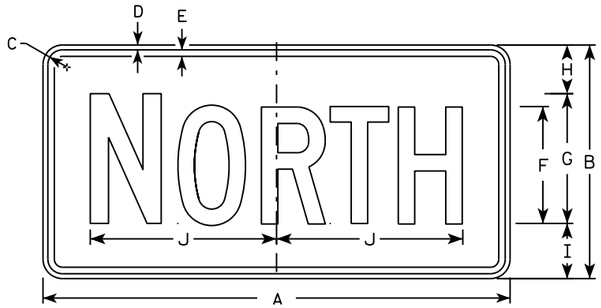
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

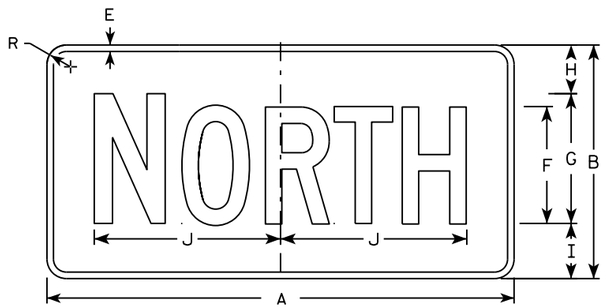
DATE 10/15/15 PLATE 270 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



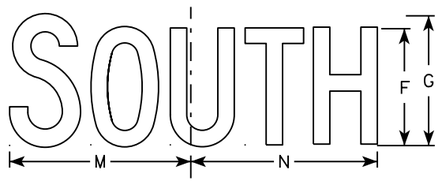
M3-1
MM3-1
MP3-1



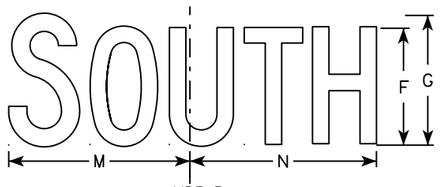
MB3-1
MK3-1
MN3-1

M3-2
MM3-2
MP3-2

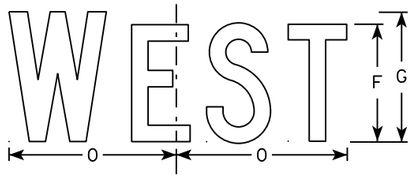
MB3-2
MK3-2
MN3-2



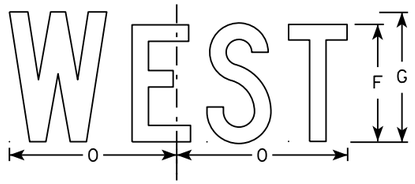
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

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

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

STANDARD SIGNS
M3-1 thur M3-4
SERIES

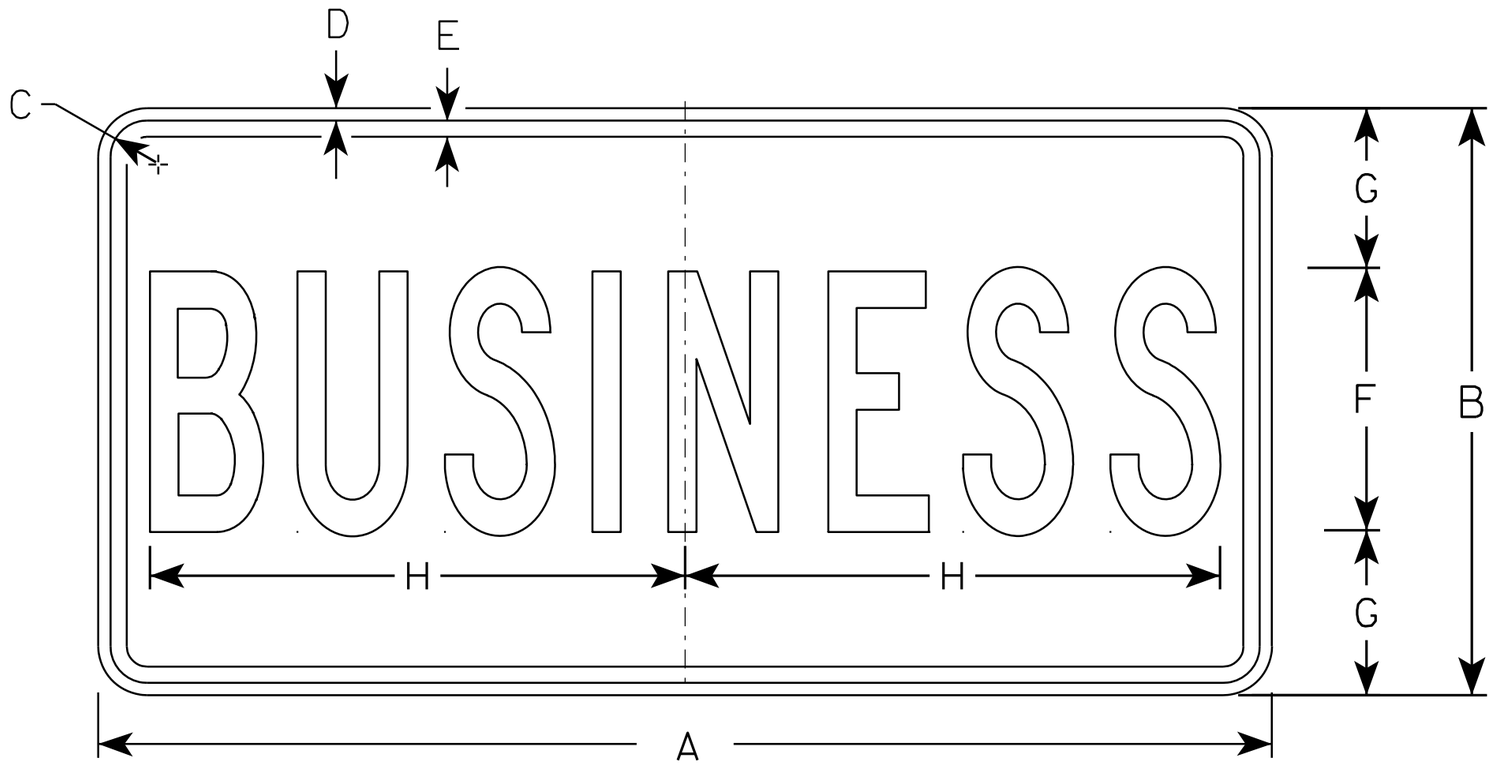
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

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

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



M4-3

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	5	3 1/2	9 5/8																			2.0
3	36	18	1 1/8	3/8	1/2	8	5	16 3/8																			4.5
4																											
5																											

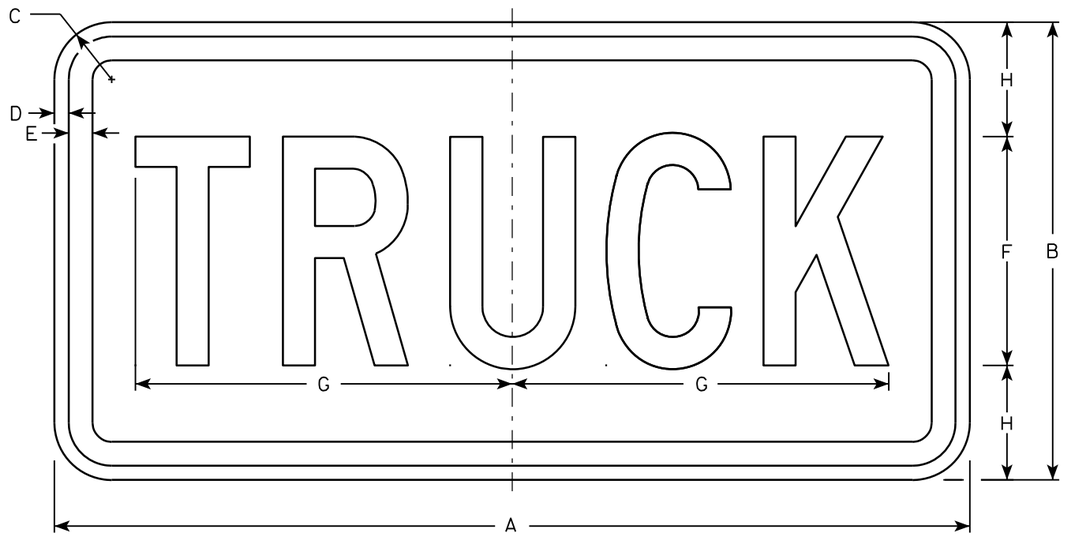
STANDARD SIGN
M4-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-3.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 272 | E



M4-4

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/2	3/8	3/8	6	9 7/8	3																			2.0
3	36	18	1 1/2	3/8	1/2	9	15 5/8	4 1/2																			4.5
4																											
5																											

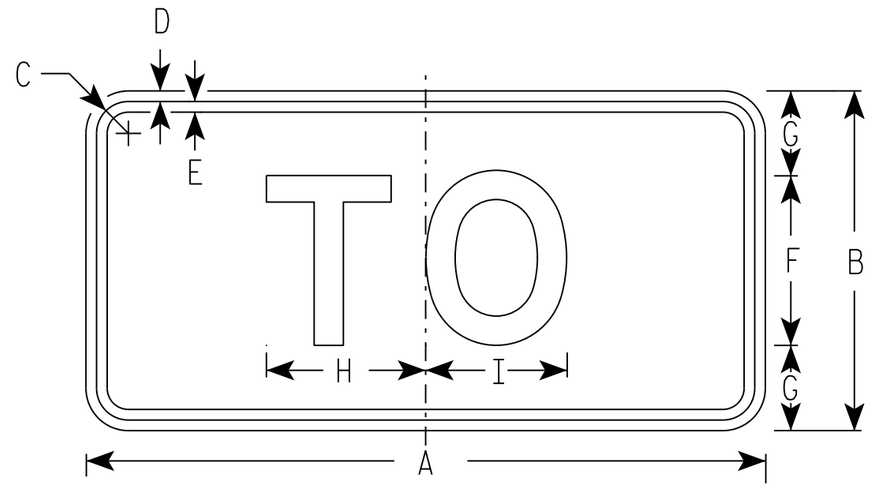
STANDARD SIGN
M4-4

WISCONSIN DEPT OF TRANSPORTATION

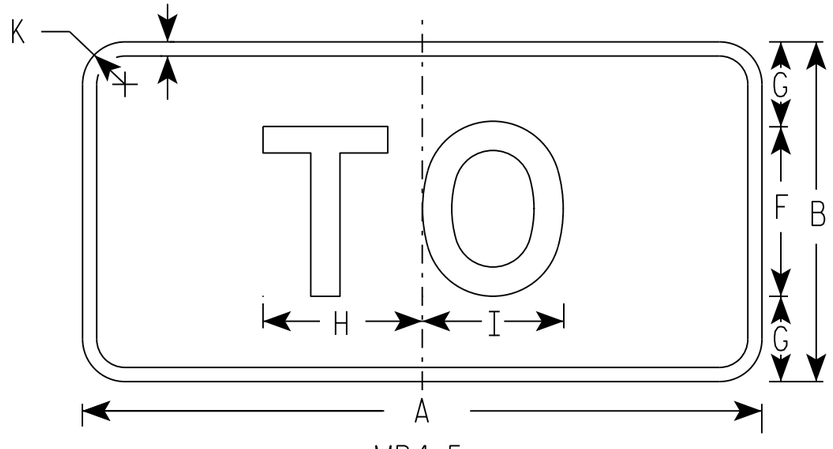
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-4.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 273	E



M4-5
MM4-5
MP4-5



MB4-5
MK4-5
MN4-5

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-5 Background - White
   Message - Black

   MB4-5 Background - Blue
   Message - White

   MK4-5 Background - Green
   Message - White

   MM4-5 Background - White
   Message - Green

   MN4-5 Background - Brown
   Message - White

   MP4-5 Background - White
   Message - Blue

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

STANDARD SIGN
M4-5

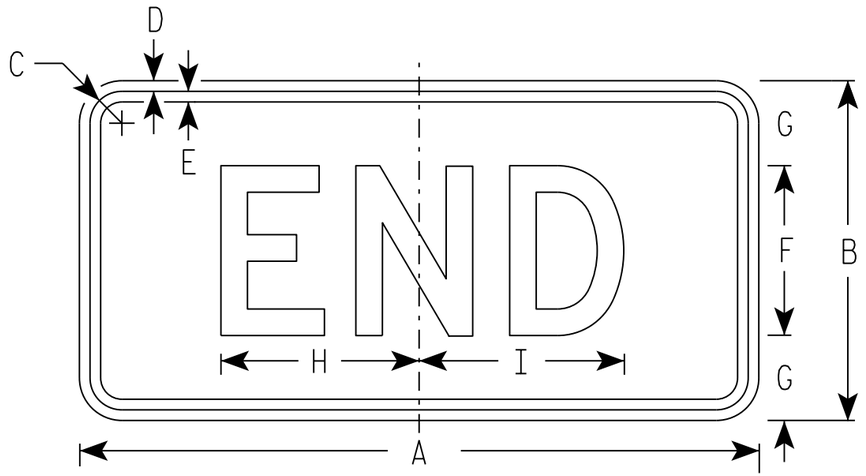
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

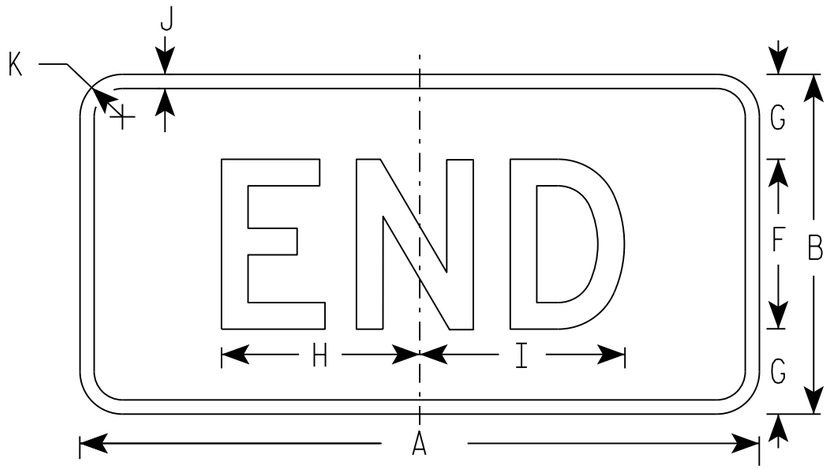
DATE 10/15/15 PLATE 274 M4-5.8

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M45.DGN PLOT DATE : 01-DEC-2015 17:55 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 5.351066:1.000000



M4-6
MM4-6
MP4-6



MB4-6
MK4-6
MN4-6
MR4-6

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-6 Background - White
   Message - Black

   MB4-6 Background - Blue
   Message - White

   MK4-6 Background - Green
   Message - White

   MM4-6 Background - White
   Message - Green

   MN4-6 Background - Brown
   Message - White

   MP4-6 Background - White
   Message - Blue

   MR4-6 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	7	7 1/4	1/2	1 1/2																2.00
3	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
4	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
5	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5

STANDARD SIGN
M4-6

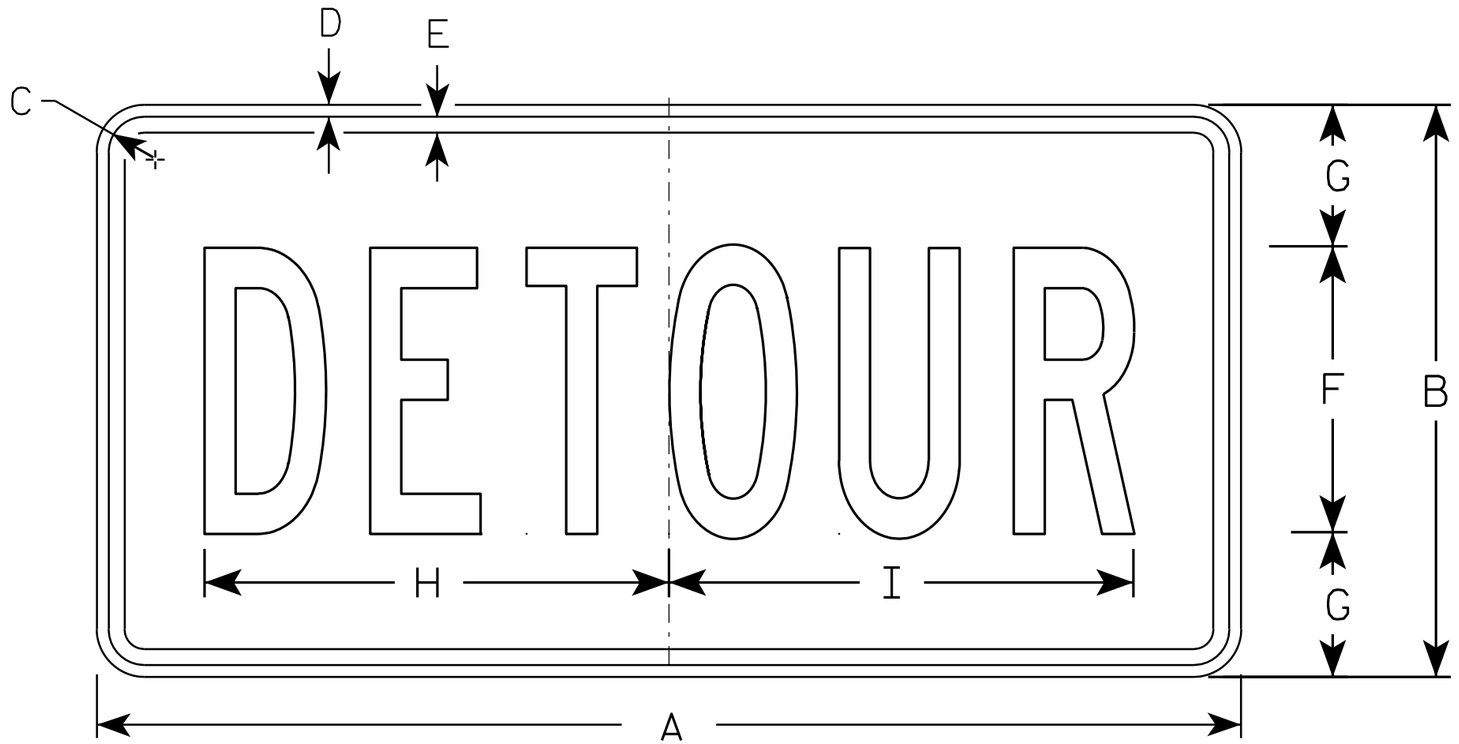
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 275 '14-7.9

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M46.DGN PLOT DATE : 01-DEC-2015 17:55 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 5.351066:1.000000



M4-8

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

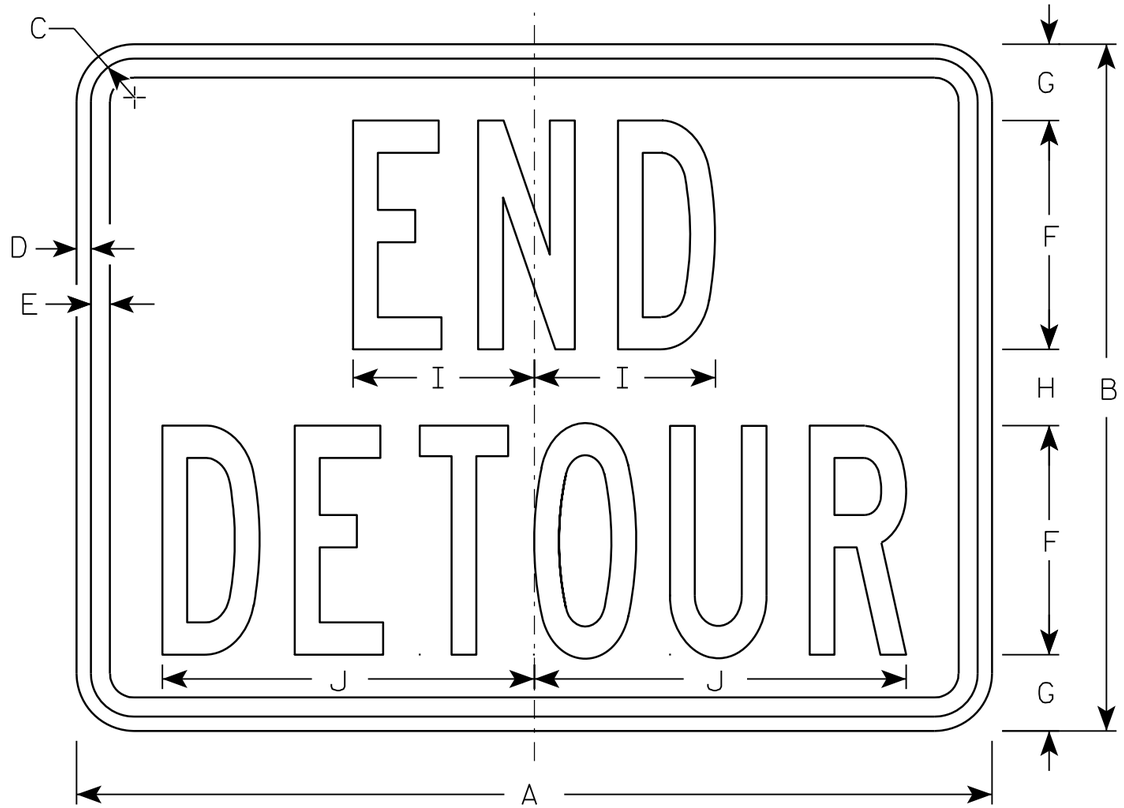
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 276	E



M4-8A

NOTES

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

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

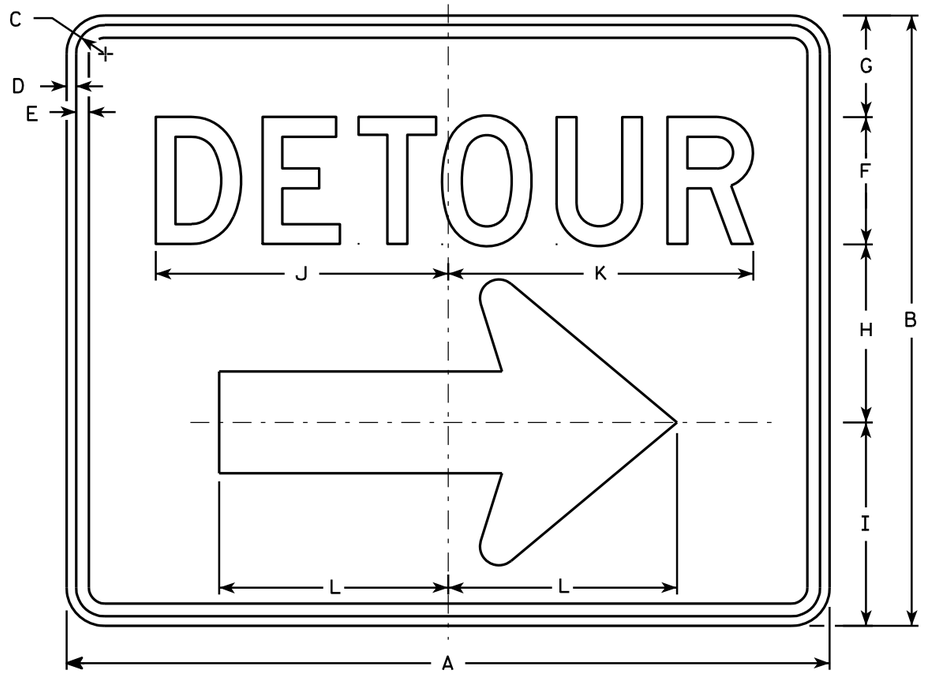
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

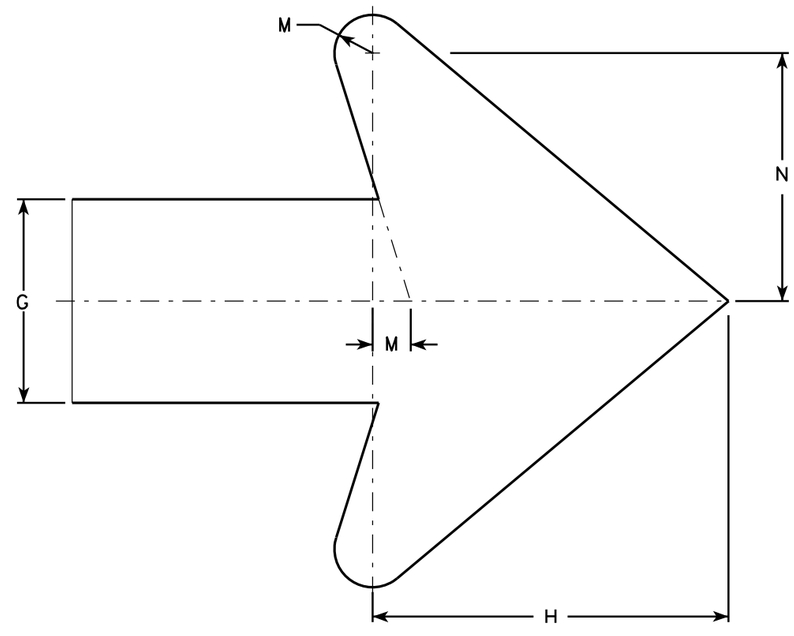
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 277	E



M4-9R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9L is the same as M4-9R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

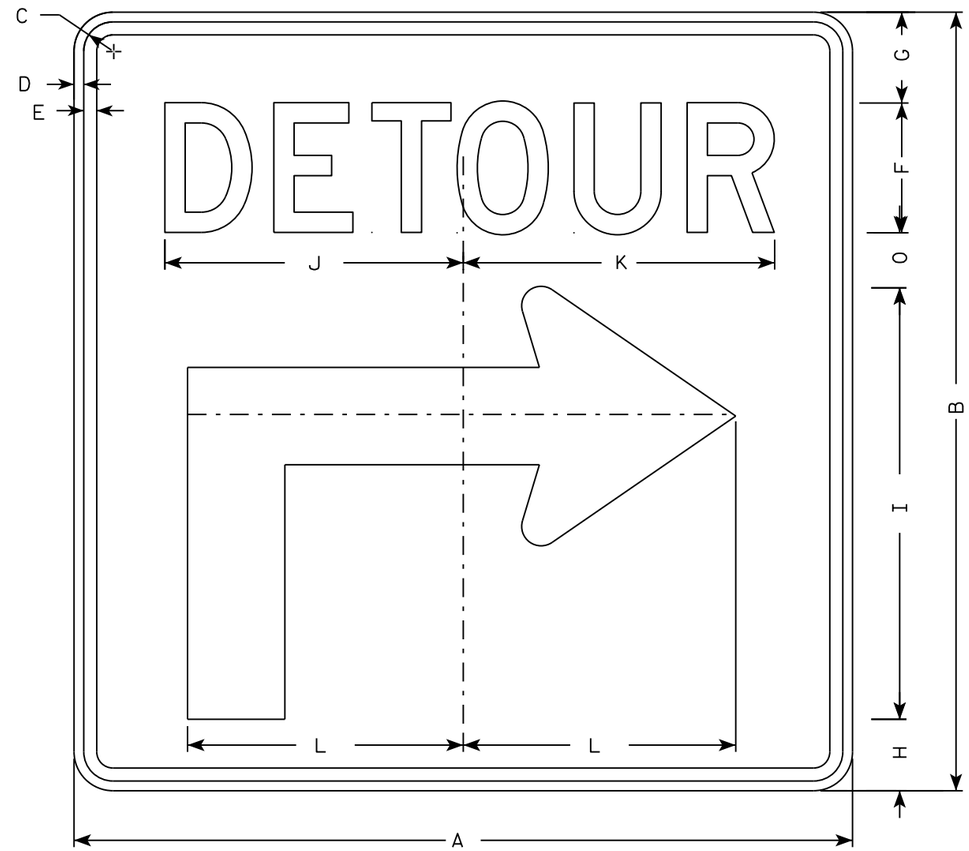
STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

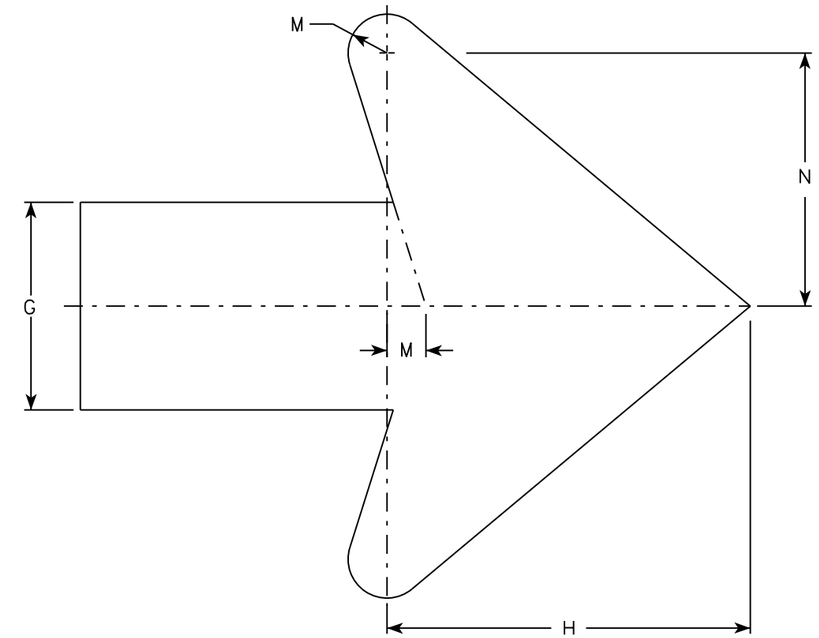
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 278 | E



M4-59R

NOTES

1. Sign is Type II - Type F Reflective
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.
5. M4-59L is the same as M4-59R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	30	1 1/8	3/8	1/2	5	3 1/2	2 3/4	16 5/8	11 1/2	12	10 1/2	3/4	4 7/8	2 1/8												6.25
3	30	30	1 1/8	3/8	1/2	5	3 1/2	2 3/4	16 5/8	11 1/2	12	10 1/2	3/4	4 7/8	2 1/8												6.25
4	48	48	1 3/8	1/2	5/8	8	5 5/8	4 3/8	26 5/8	20 5/8	20 1/2	17	1 1/8	6 7/8	3 3/8												16.0
5	48	48	1 3/8	1/2	5/8	8	5 5/8	4 3/8	26 5/8	20 5/8	20 1/2	17	1 1/8	6 7/8	3 3/8												16.0

STANDARD SIGN
M4-59 L&R

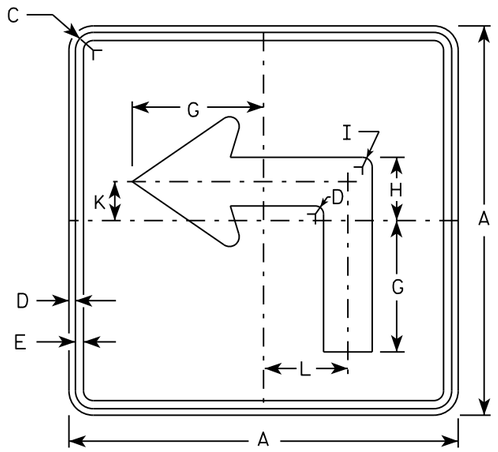
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

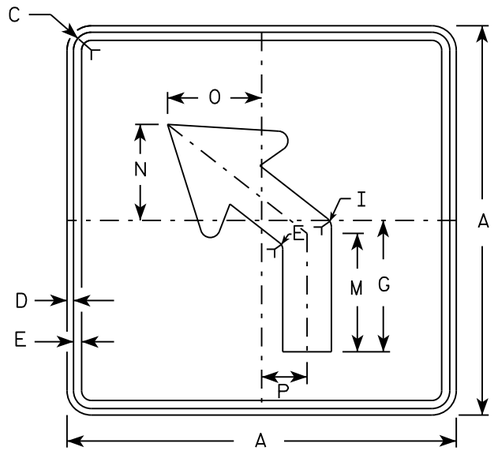
DATE 11/10/15 PLATE M4-59.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

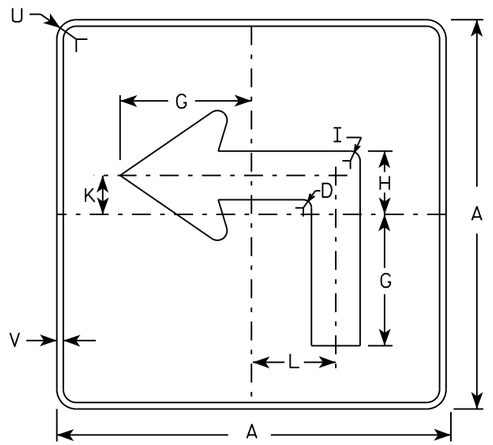
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M459.DGN PLOT DATE : 01-DEC-2015 18:05 PLOT BY : $$ platuser $$ PLOT NAME : PLOT SCALE : 5.837526:1.000000



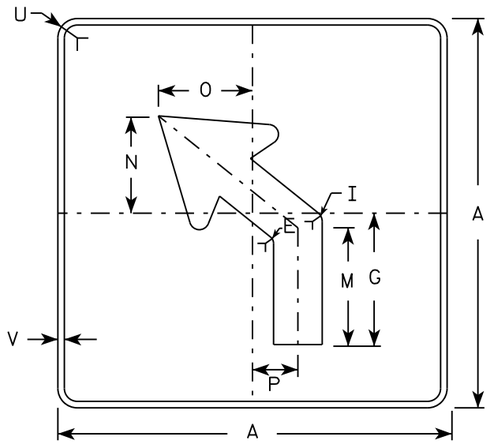
M5-1L
MM5-1L
MO5-1L
MP5-1L



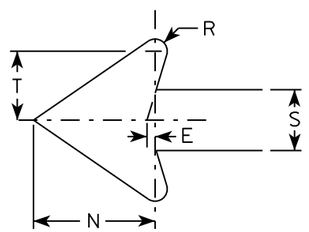
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

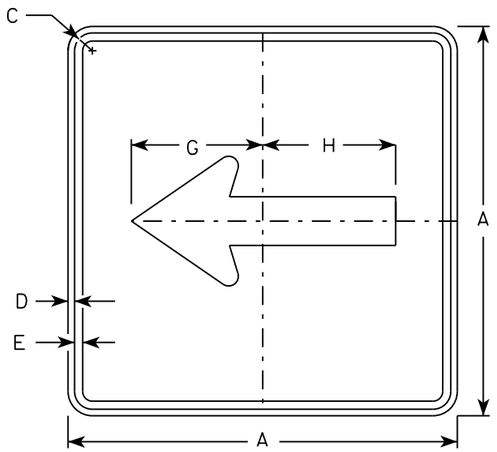
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

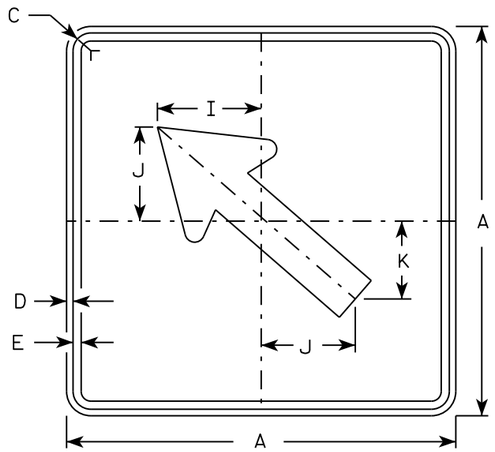
DATE 10/15/15 PLATE NO. M5-1.13

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



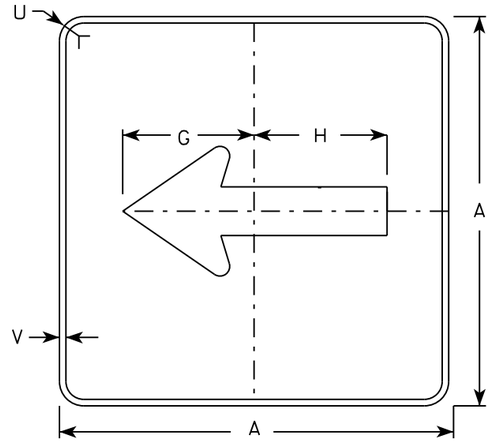
M6-1
MM6-1
MO6-1
MP6-1



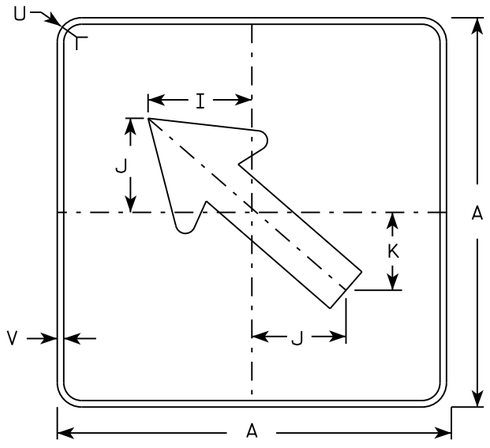
M6-2
MM6-2
MO6-2
MP6-2

NOTES

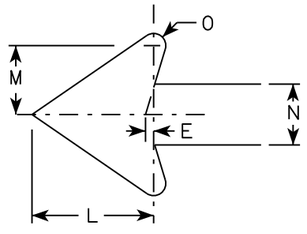
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN M6-1 & M6-2 SERIES

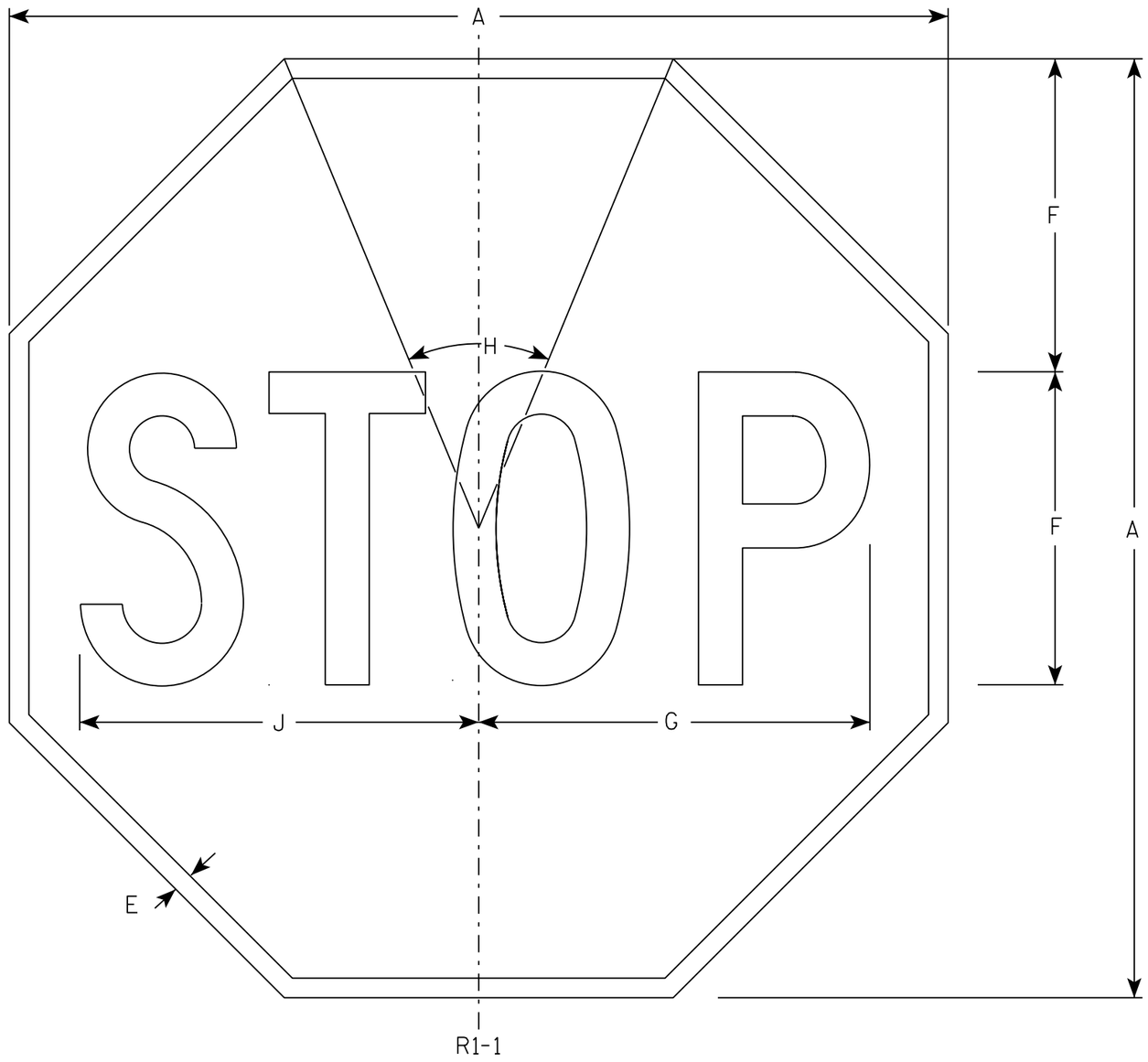
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 281 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN

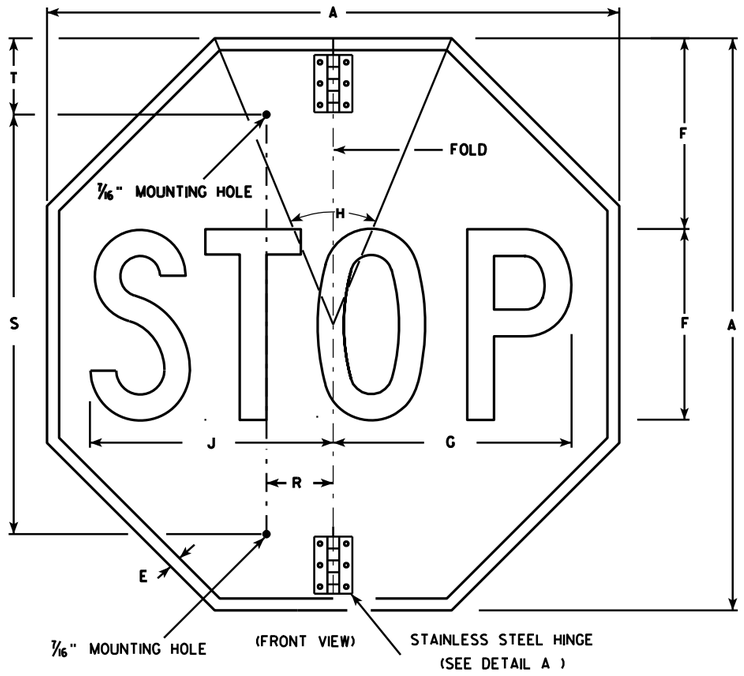
R1-1

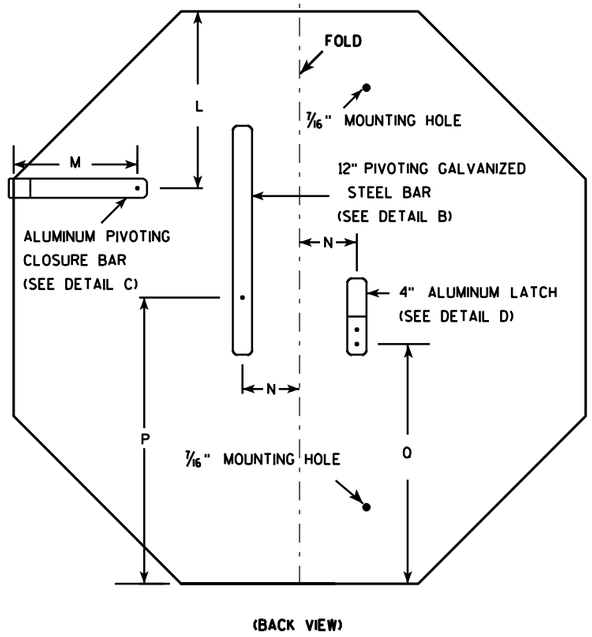
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

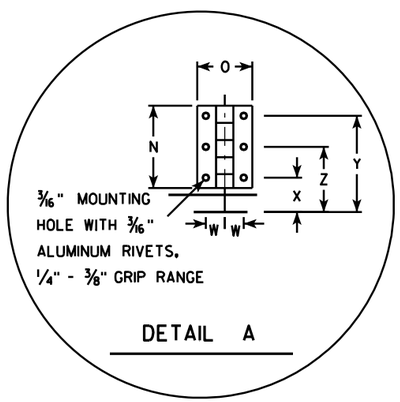
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 282	E



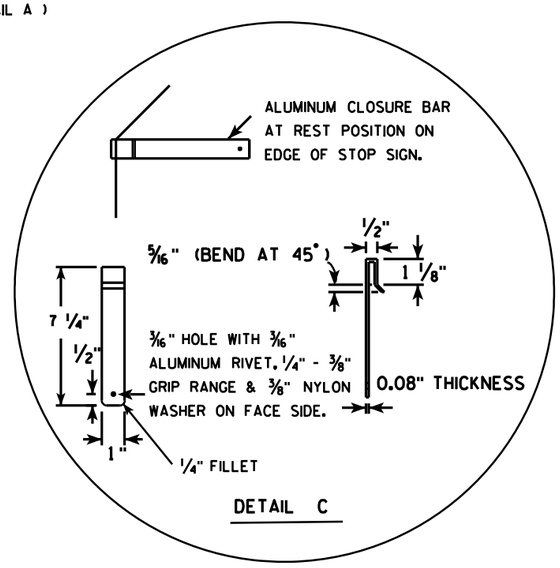


NOTES

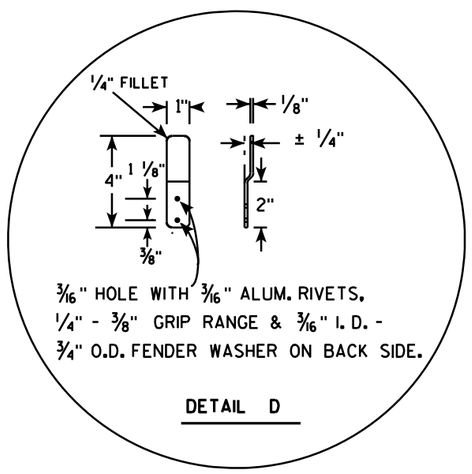
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.



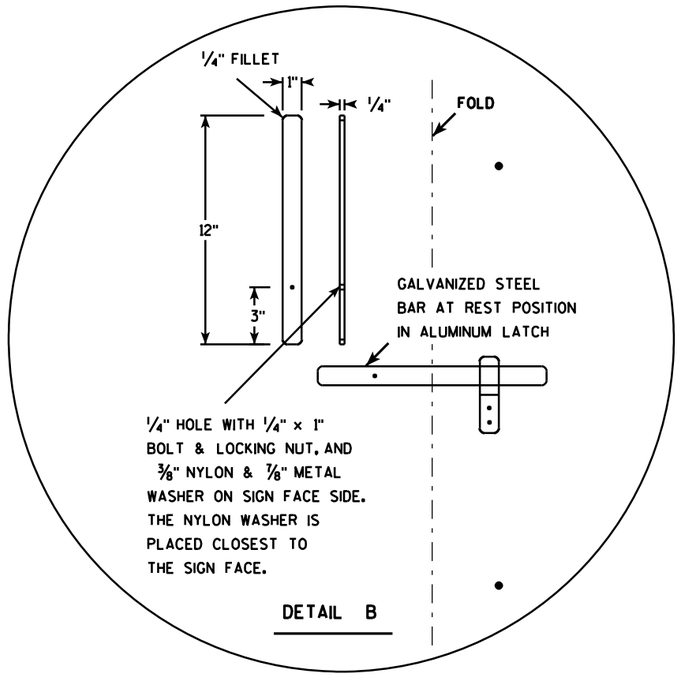
DETAIL A



DETAIL C



DETAIL D



DETAIL B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30				5/8	10	12 1/2	45		12 3/4		9 1/4	6 1/2	3	2	15	12 3/8	2 1/2	22	5			11/16	1 1/4	3 1/2	2 3/8	5.18
2M	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
3	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
4																											
5																											

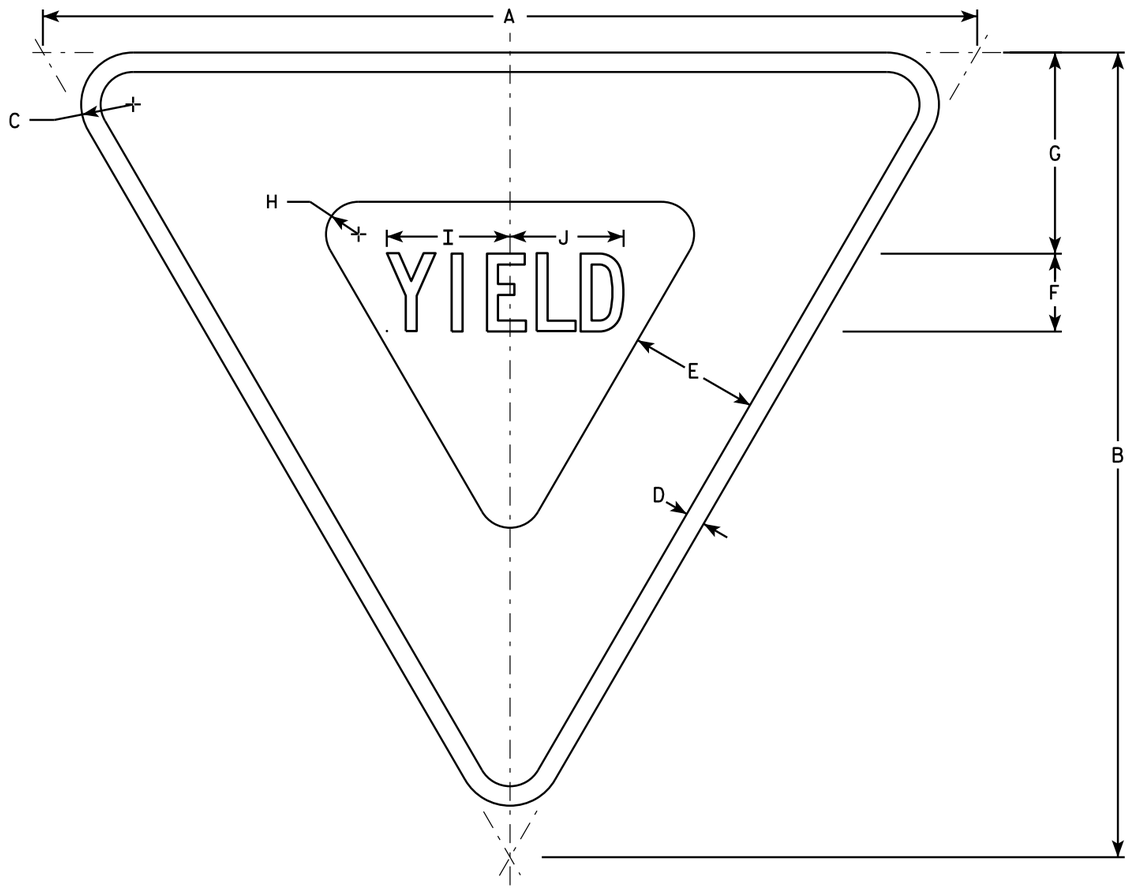
STANDARD SIGN
R1-1F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1F.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 283	E



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

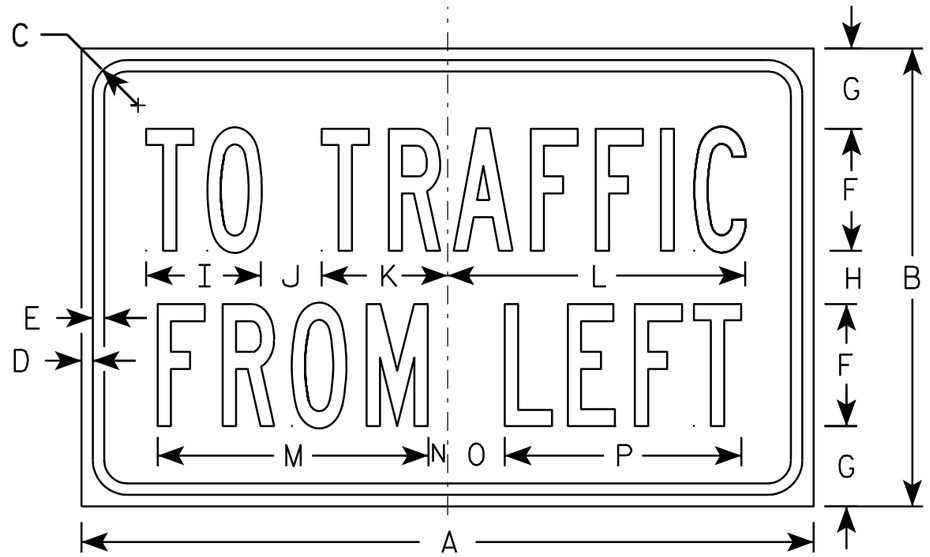
APPROVED Matthew R Rauch
for State Traffic Engineer

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																											

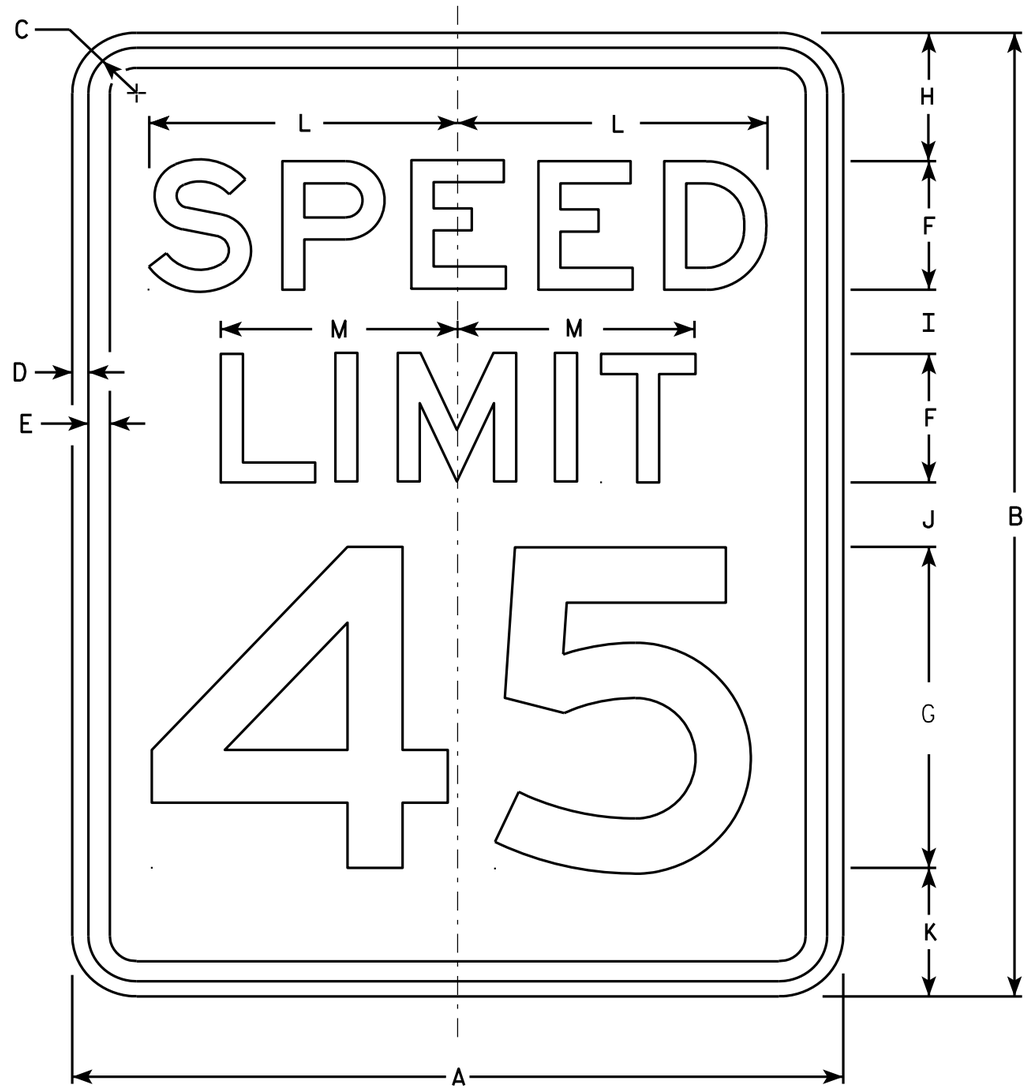
STANDARD SIGN
R1-54

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: 285	E



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

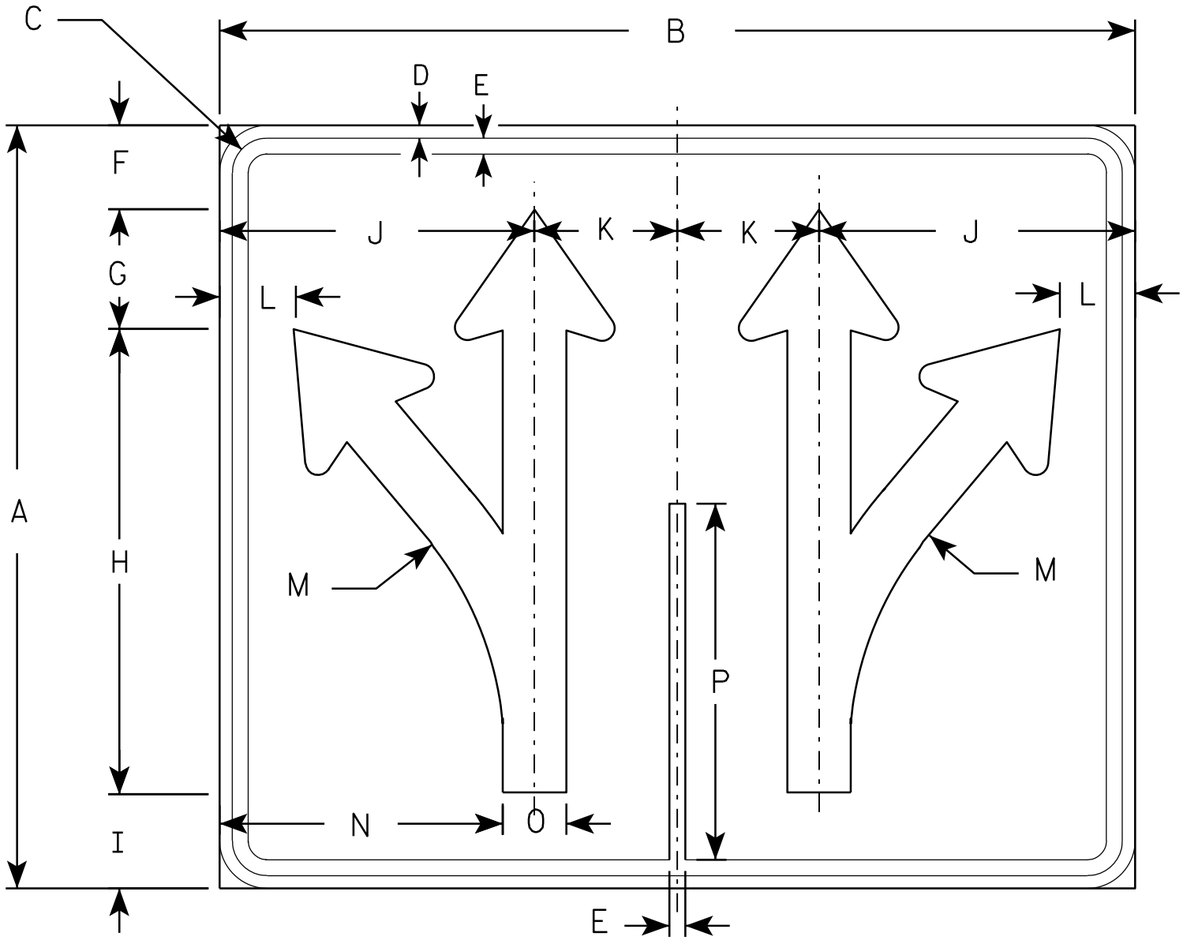
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

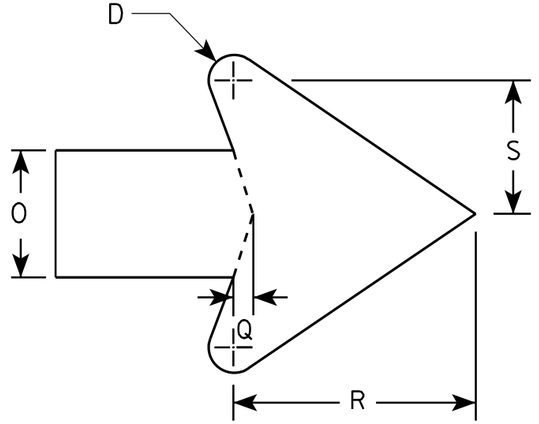
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 286	E



R3-8K

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.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	36	1 3/8	1/2	5/8	3 1/4	4 3/4	18 1/4	3 3/4	12 3/8	5 5/8	3	13 1/4	11 1/8	2 1/2	14	3/8	4 3/4	2 5/8								7.5
2M	30	36	1 3/8	1/2	5/8	3 1/4	4 3/4	18 1/4	3 3/4	12 3/8	5 5/8	3	13 1/4	11 1/8	2 1/2	14	3/8	4 3/4	2 5/8								7.5
3																											
4	48	54	2 1/4	3/4	1	5 1/4	7 1/2	29 1/4	5 1/8	18 5/8	8 3/8	4 3/8	22 1/4	16 3/4	3 3/4	22 3/8	5/8	7 1/8	4								18.0
5	48	54	2 1/4	3/4	1	5 1/4	7 1/2	29 1/4	5 1/8	18 5/8	8 3/8	4 3/8	22 1/4	16 3/4	3 3/4	22 3/8	5/8	7 1/8	4								18.0

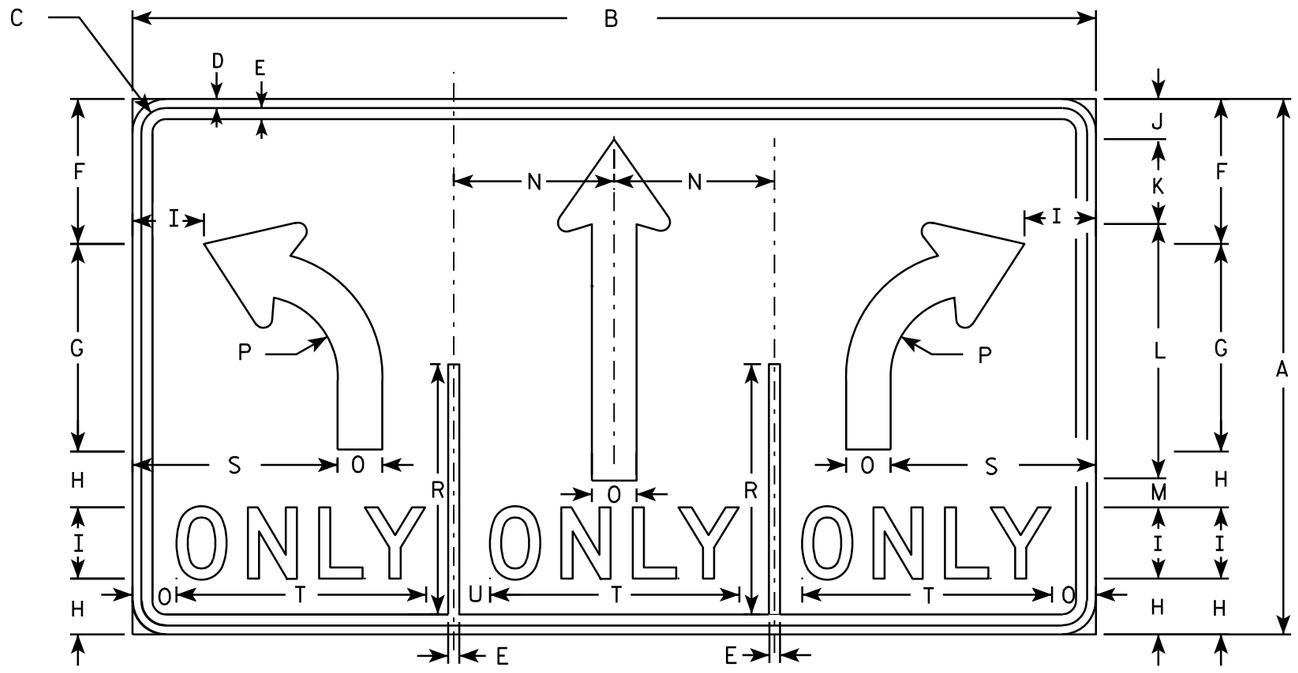
STANDARD SIGN
R3-8K

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/2011 PLATE NO. R3-8K.2

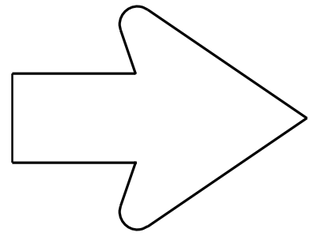
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 287	E



R3-8W

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.



SEE R3-8 FOR ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	54	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	2 1/4	4 3/4	14 1/4	1 5/8	9	2 1/2	4 1/2		14	11 1/2	14	2						11.25
2M	30	54	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	2 1/4	4 3/4	14 1/4	1 5/8	9	2 1/2	4 1/2		14	11 1/2	14	2						11.25
3																											
4	48	84	2 1/4	3/4	1	13	18 1/2	5 1/4	6	3 3/4	7	29 1/8	2 3/8	14	3 3/4	7 1/4		22 3/8	17 1/4	20 1/2	3 1/4						28.0
5	48	84	2 1/4	3/4	1	13	18 1/2	5 1/4	6	3 3/4	7	29 1/8	2 7/8	14	3 3/4	7 1/4		22 3/8	17 1/4	20 1/2	3 1/4						28.0

STANDARD SIGN
R3-8W

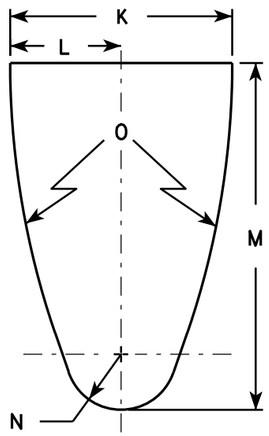
WISCONSIN DEPT OF TRANSPORTATION

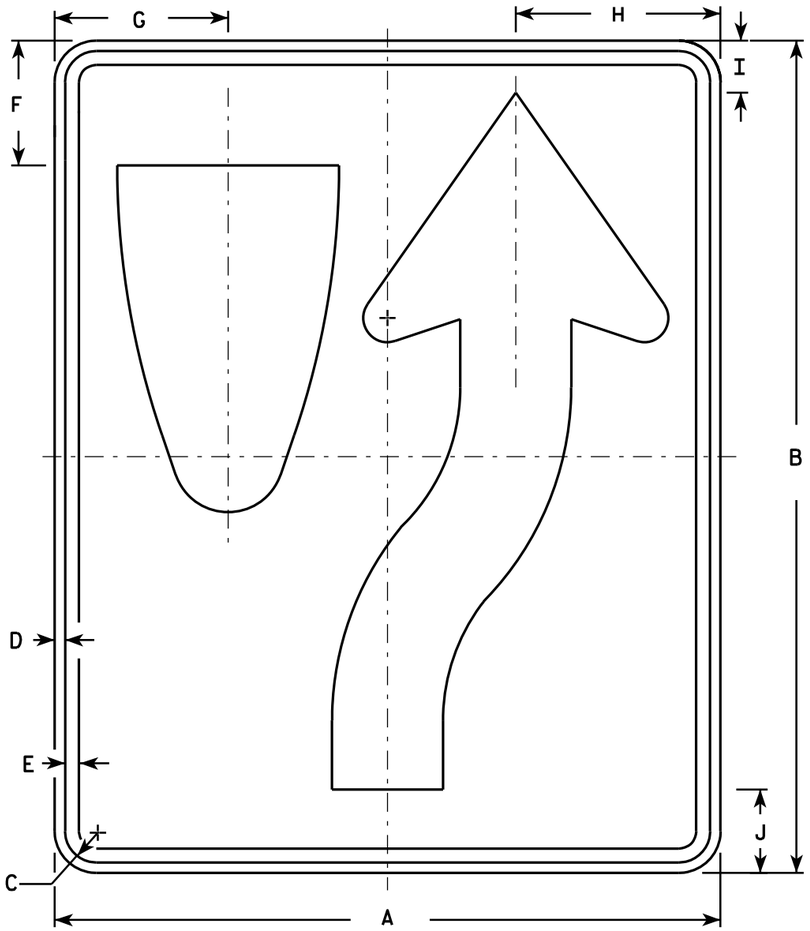
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-8W.4

PROJECT NO:

SHEET NO: 288 E

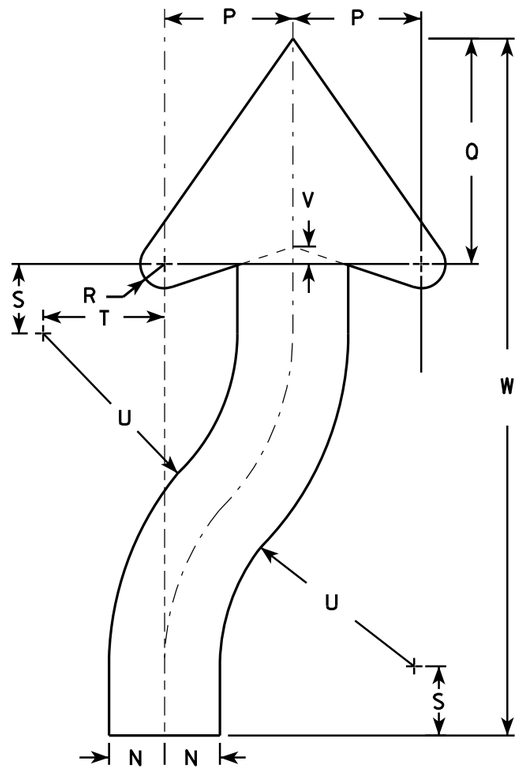




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

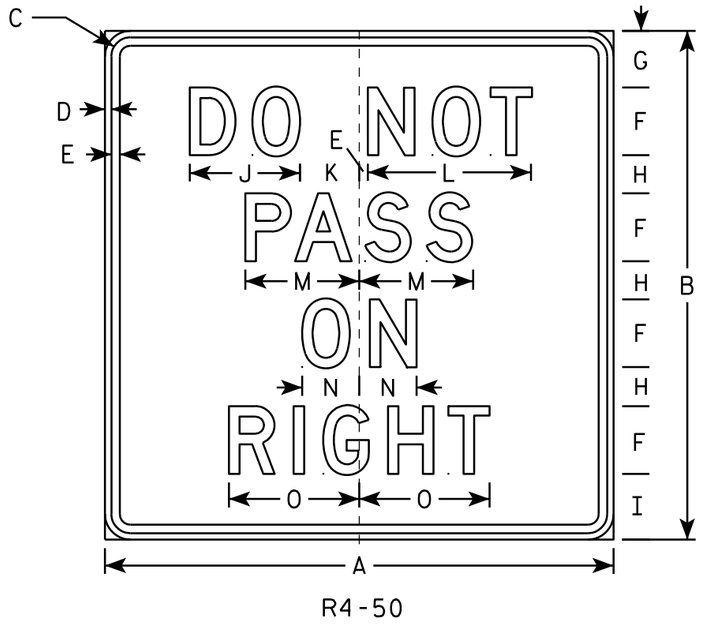
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 289	E



R4-50

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	30	30	1 1/8	3/8	1/2	4	3 3/8	2 1/4	3 7/8	6 1/2	3 1/2	9 5/8	6 3/4	3 3/8	7 3/4												5.0
2M	30	30	1 1/8	3/8	1/2	4	3 3/8	2 1/4	3 7/8	6 1/2	3 1/2	9 5/8	6 3/4	3 3/8	7 3/4												5.0
3																											
4																											
5																											

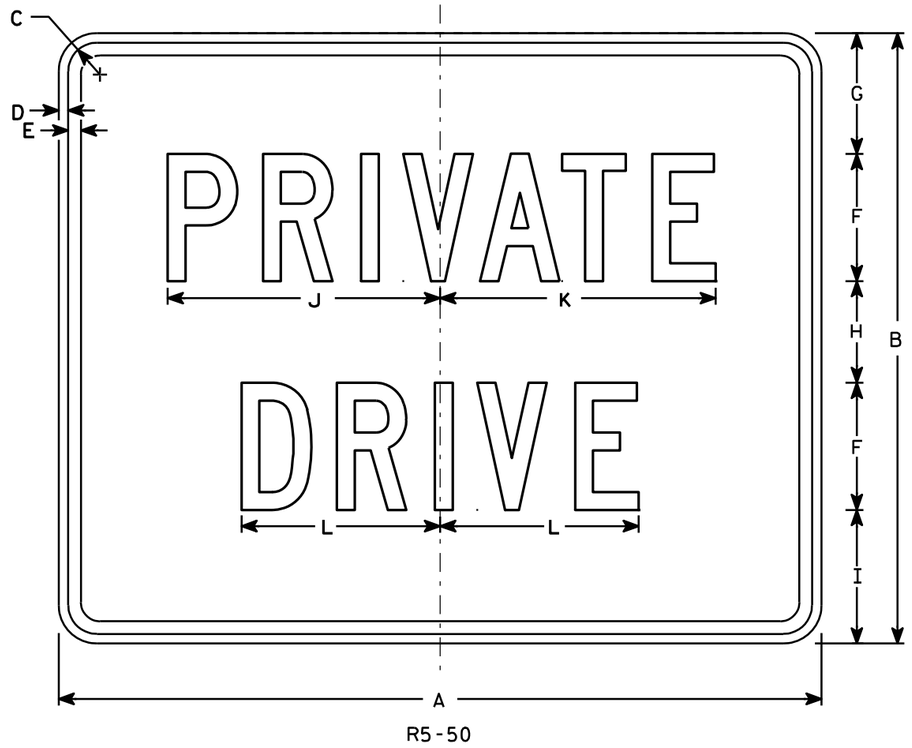
STANDARD SIGN
R4-50

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-50.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 290 | E



R5-50

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	24	1 1/8	3/8	1/2	5	4 3/4	4	5 1/4	10 3/4	10 7/8	7 3/4															5.00
2M	30	24	1 1/8	3/8	1/2	5	4 3/4	4	5 1/4	10 3/4	10 7/8	7 3/4															5.00
3																											
4																											
5																											

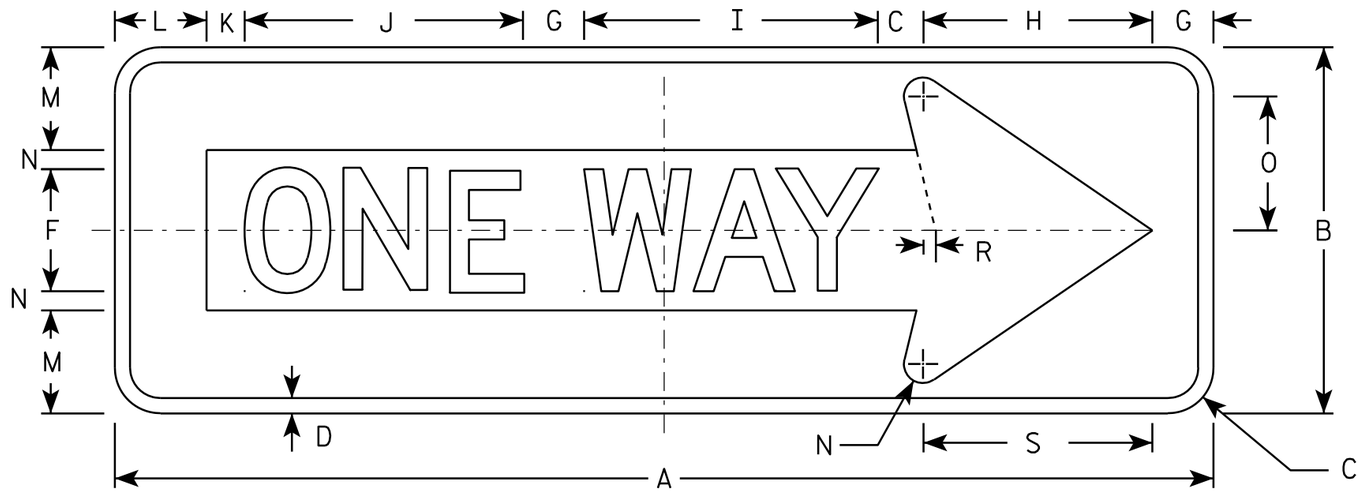
STANDARD SIGN
R5-50

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-50.2

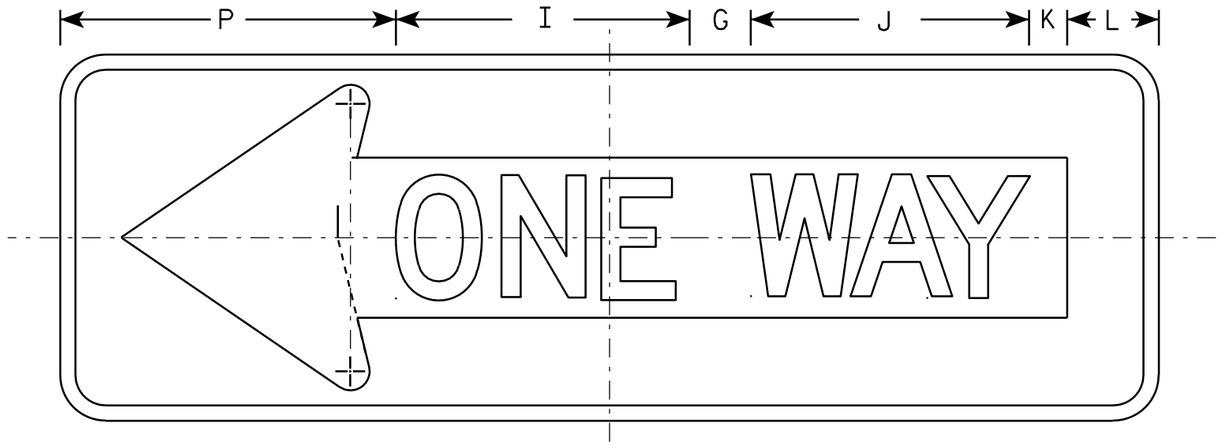
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 291	E



R6-1R

NOTES

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



R6-1L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	12	1 ½	½		4	2	7 ½	9 ⅝	9 ⅛	1 ¼	3	3 ⅜	⅝	4 ⅜	11		⅜	7 ½								3.0
2M	54	18	2 ¼	¾		6	3	11 ¼	14 ½	13 ⅝	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
3	54	18	2 ¼	¾		6	3	11 ¼	14 ½	13 ⅝	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
4	54	18	2 ¼	¾		6	3	11 ¼	14 ½	13 ⅝	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
5																											

STANDARD SIGN
R6-1 L & R

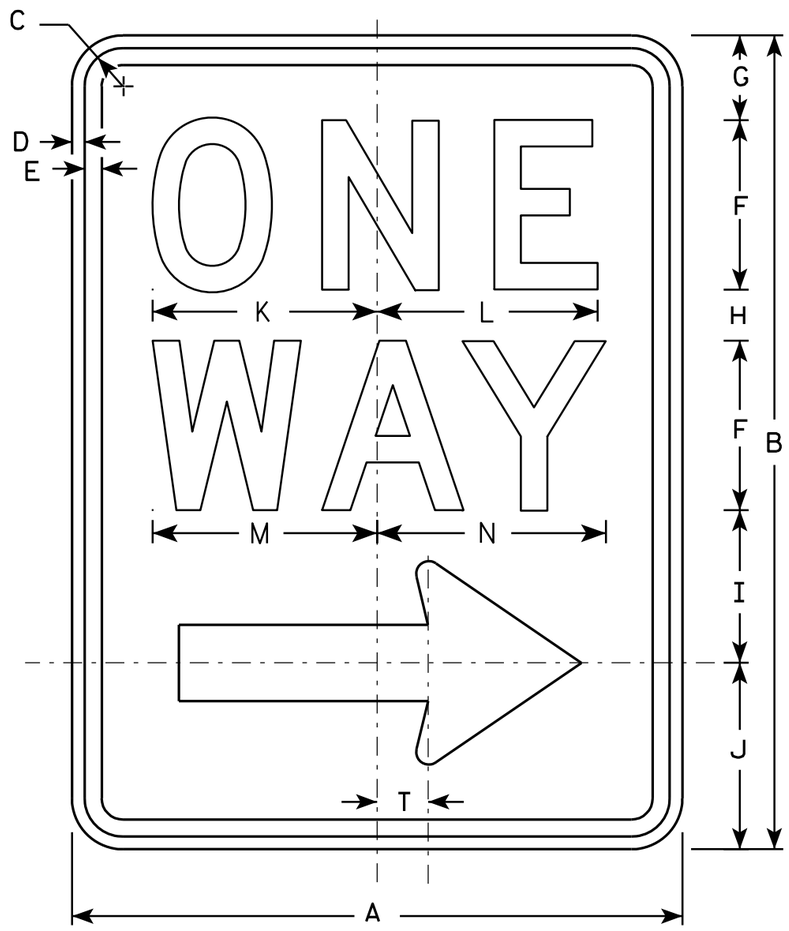
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R6-1.2

PROJECT NO:

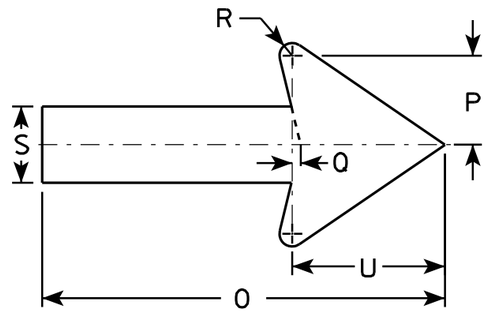
SHEET NO: 292 E



R6-2R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

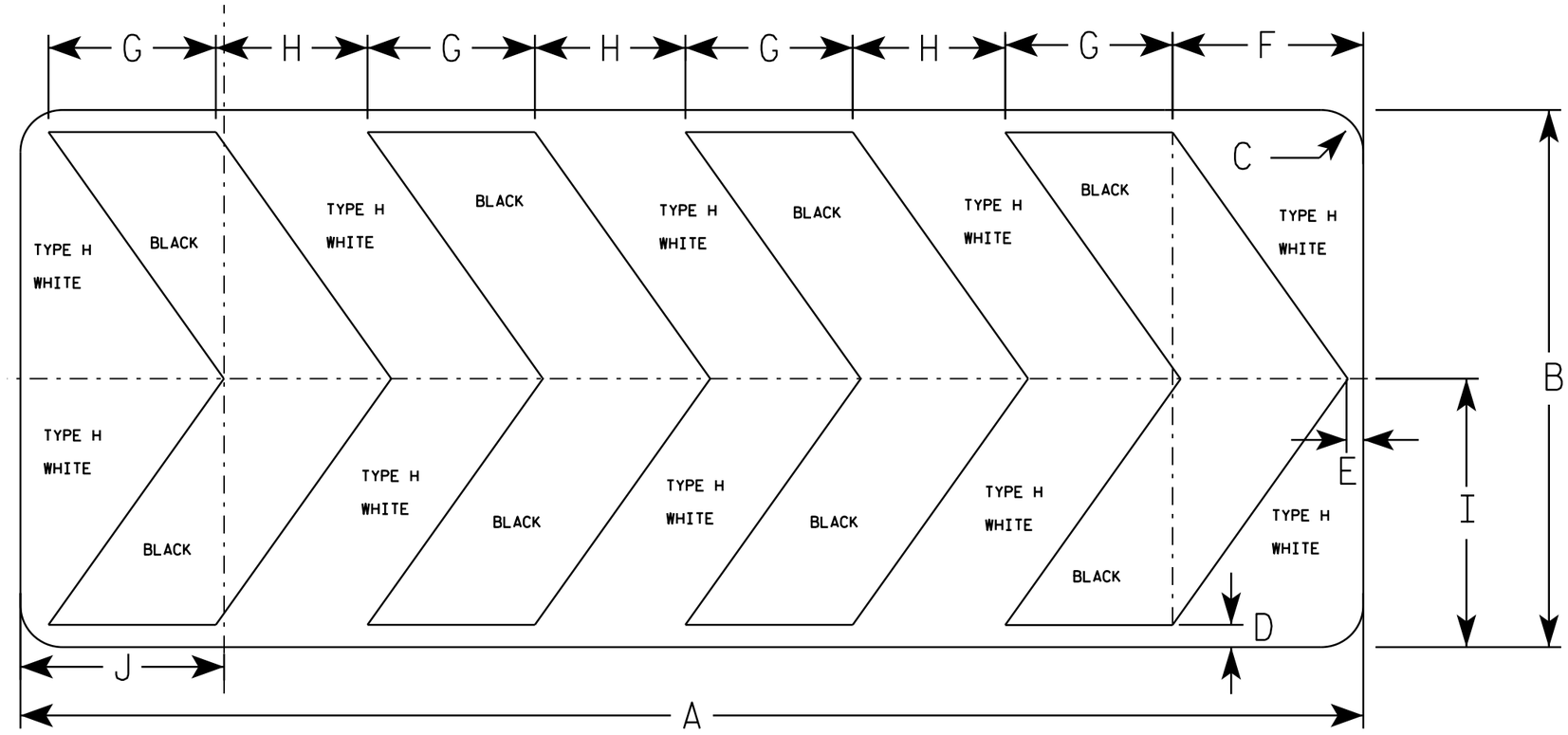
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 293	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - WHITE
   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.



R6-4B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
2M	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
3																											
4																											
5																											

STANDARD SIGN
R6-4B

WISCONSIN DEPT OF TRANSPORTATION

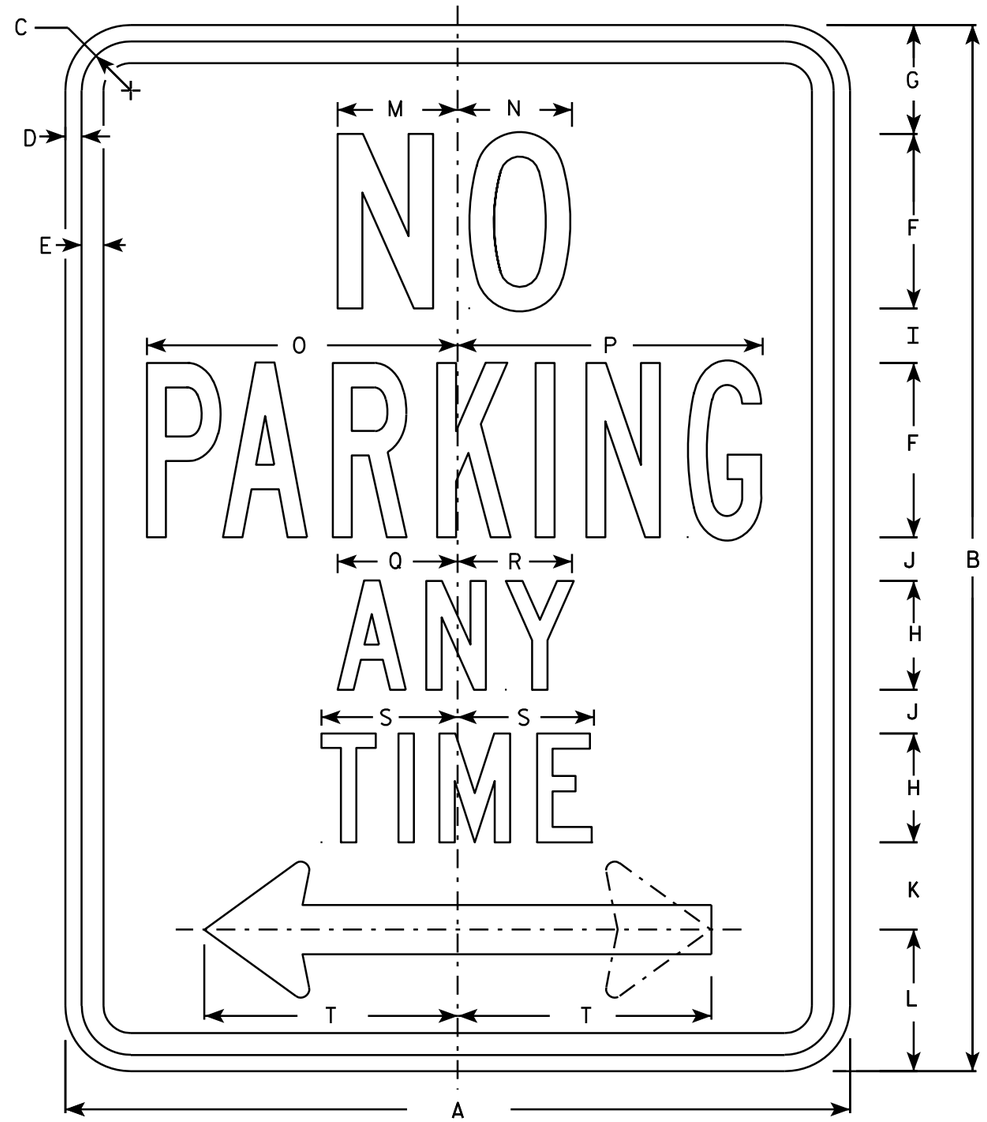
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/14 PLATE NO. R6-4.3

PROJECT NO: SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R64B.DGN PLOT DATE : 21-AUG-2014 15:01 PLOT BY : mscsja

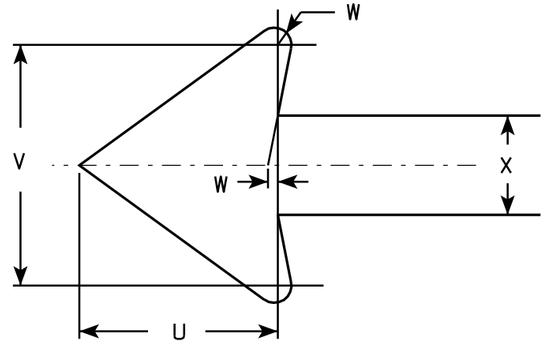
WISDOT/CADDS SHEET 42



R7-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1, 3 and 4 are series C, line 2 is series B.
6. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 1/4	2 1/8	2 1/2	3 7/8	1 1/2	1 3/4	1/8	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	2 3/4	2 5/8	3 1/8	5 7/8	2 1/4	2 5/8	1/4	1 1/8			3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
4																											
5																											

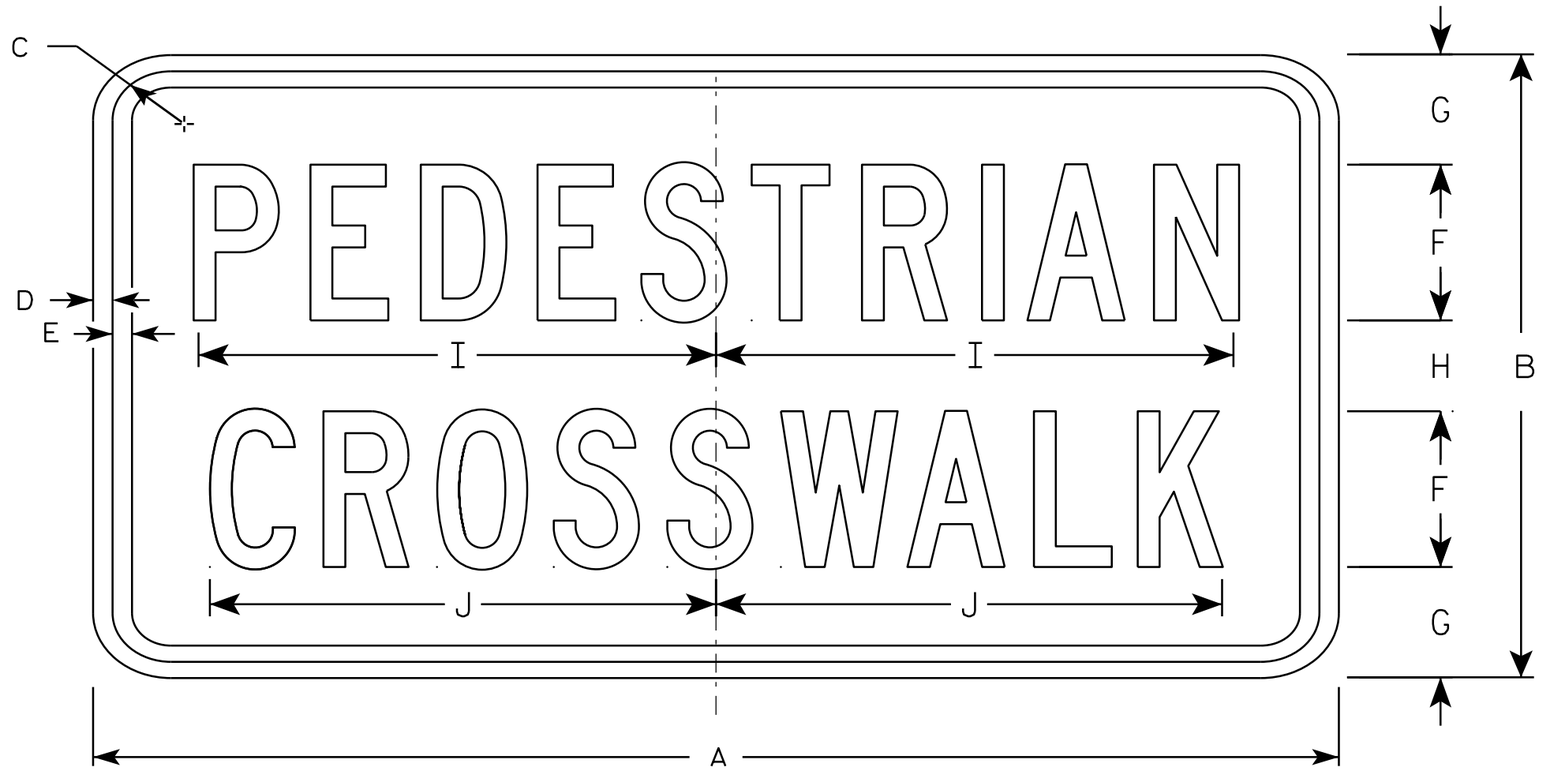
STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-1.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 295	E



R9-8

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 - 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	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	9 3/4																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	9 3/4																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	13	13																	3.75
4																											
5																											

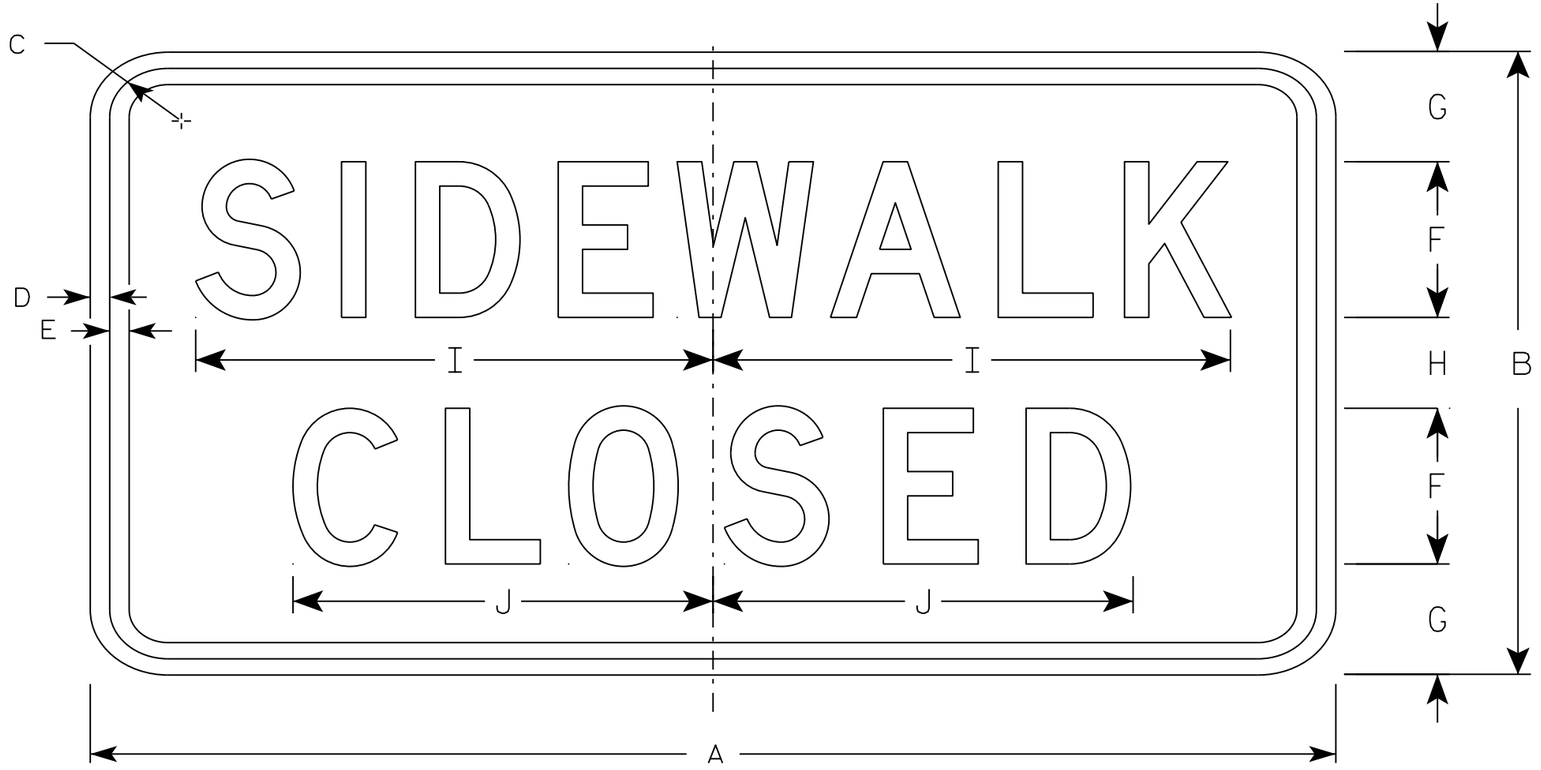
STANDARD SIGN
R9-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/17/16 PLATE 296 R9-8.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



R9-9

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

STANDARD SIGN
R9-9

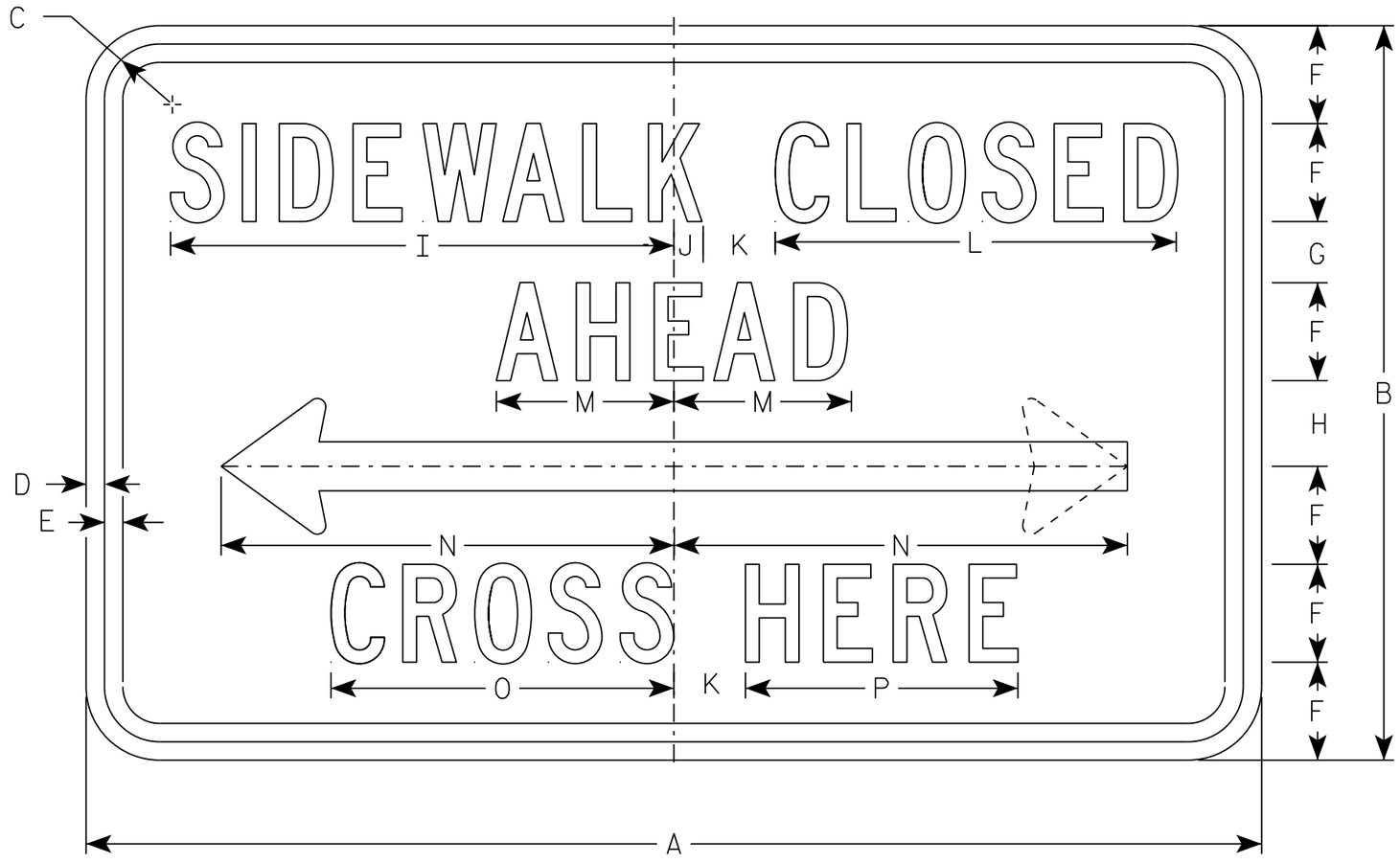
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

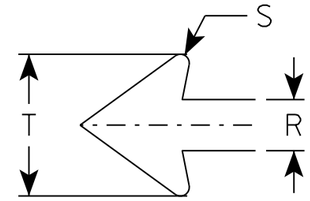
DATE 8/11/16 PLATE 297 R9-9.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.DGN PLOT DATE : 11-AUG-2016 11:33 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 2.918761:1.000000



R9-11



NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
2M	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
3	30	15	1 1/8	3/8	1/2	2	1 1/2	1 1/2	13	3/4	2	10 1/4	4 5/8	12 3/8	8 7/8	6 7/8		1 1/4	1/4	3 5/8							3.125
4																											
5																											

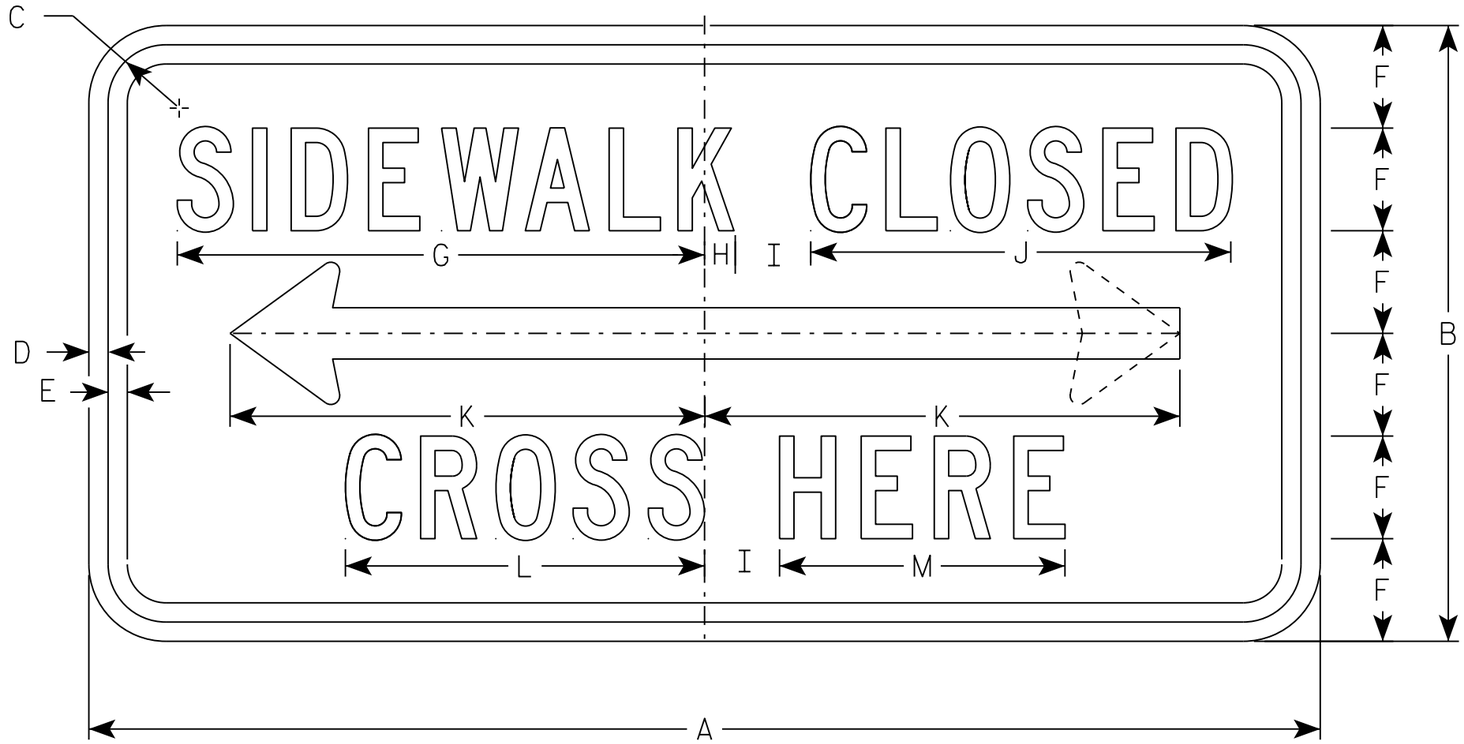
STANDARD SIGN
R9-11

WISCONSIN DEPT OF TRANSPORTATION

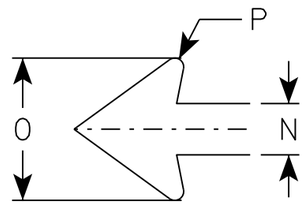
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/29/16 PLATE NO. R9-11.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 298	E



R9-11A



NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
2M	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
3	30	15	1 1/8	3/8	1/2	2	13	3/4	2	10 1/4	12 3/8	8 7/8	6 7/8	1 1/4	3 5/8	1/4											3.125
4																											
5																											

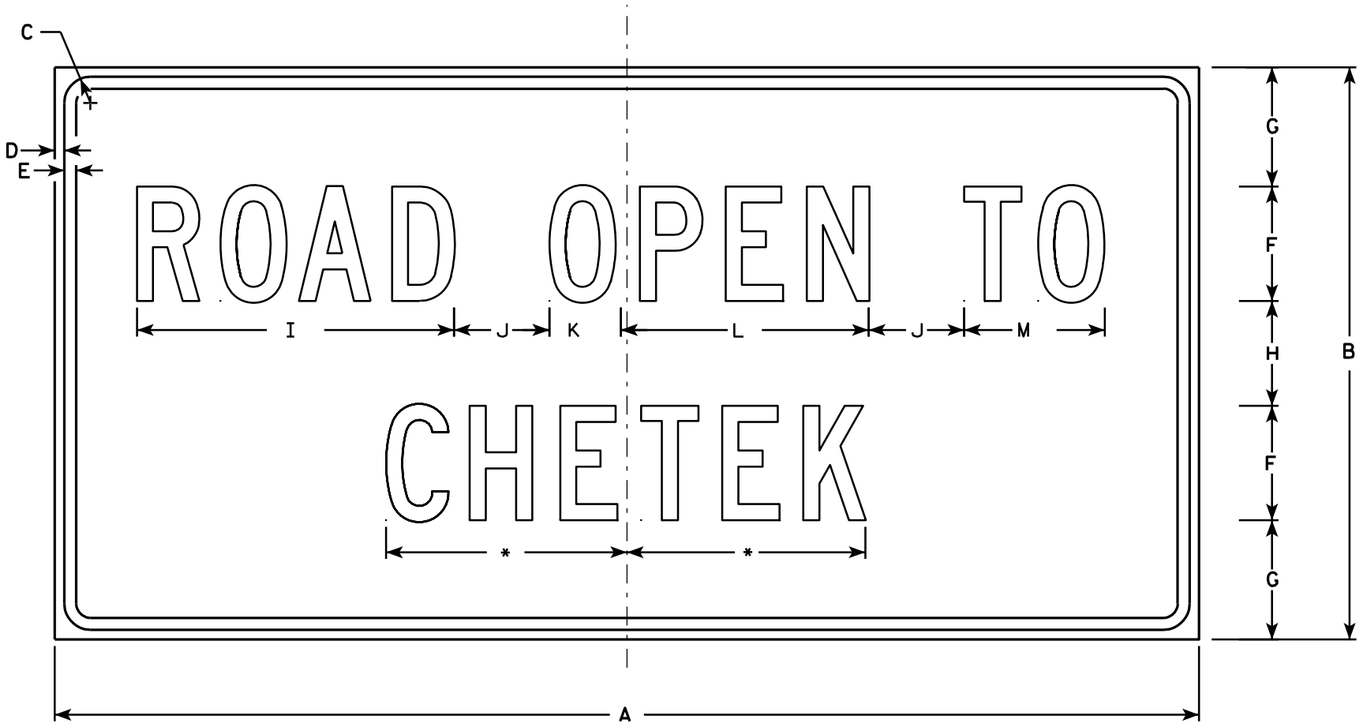
STANDARD SIGN
R9-11A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/29/16 PLATE NO. R9-11A.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 299 E



R10-61

NOTES

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

*See note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	24	1 3/8	1/2	5/8	4	5 1/2	5	10 3/4	2	2 1/8	8 3/8	4 5/8														6.0
2S	60	30	1 3/8	1/2	5/8	6	6 1/4	5 1/2	16 5/8	5	3 3/4	13	7 3/8														12.5
2M	60	30	1 3/8	1/2	5/8	6	6 1/4	5 1/2	16 5/8	5	3 3/4	13	7 3/8														12.5
3																											
4																											
5																											

STANDARD SIGN
R10-61

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/4/11 PLATE NO. R10-61.5

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 300	E

R10-71

R10-71L

NOTES

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

R10-71R

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	R10-71L&R Area sq. ft.	R10-71 Area sq. ft.
1																												
2S	72	36	2 1/4	3/4	1	18	5	4	6	20 5/8	11 3/4	9 1/8	8 1/2	12 7/8	9 7/8	16 1/8	23 7/8	30	5 5/8	26 3/4	66	23 5/8	8 3/4	13	26 7/8	27	18.0	16.5
2M	72	36	2 1/4	3/4	1	18	5	4	6	20 5/8	11 3/4	9 1/8	8 1/2	12 7/8	9 7/8	16 1/8	23 7/8	30	5 5/8	26 3/4	66	23 5/8	8 3/4	13	26 7/8	27	18.0	16.5
3																												
4																												
5																												

STANDARD SIGN
R10-71

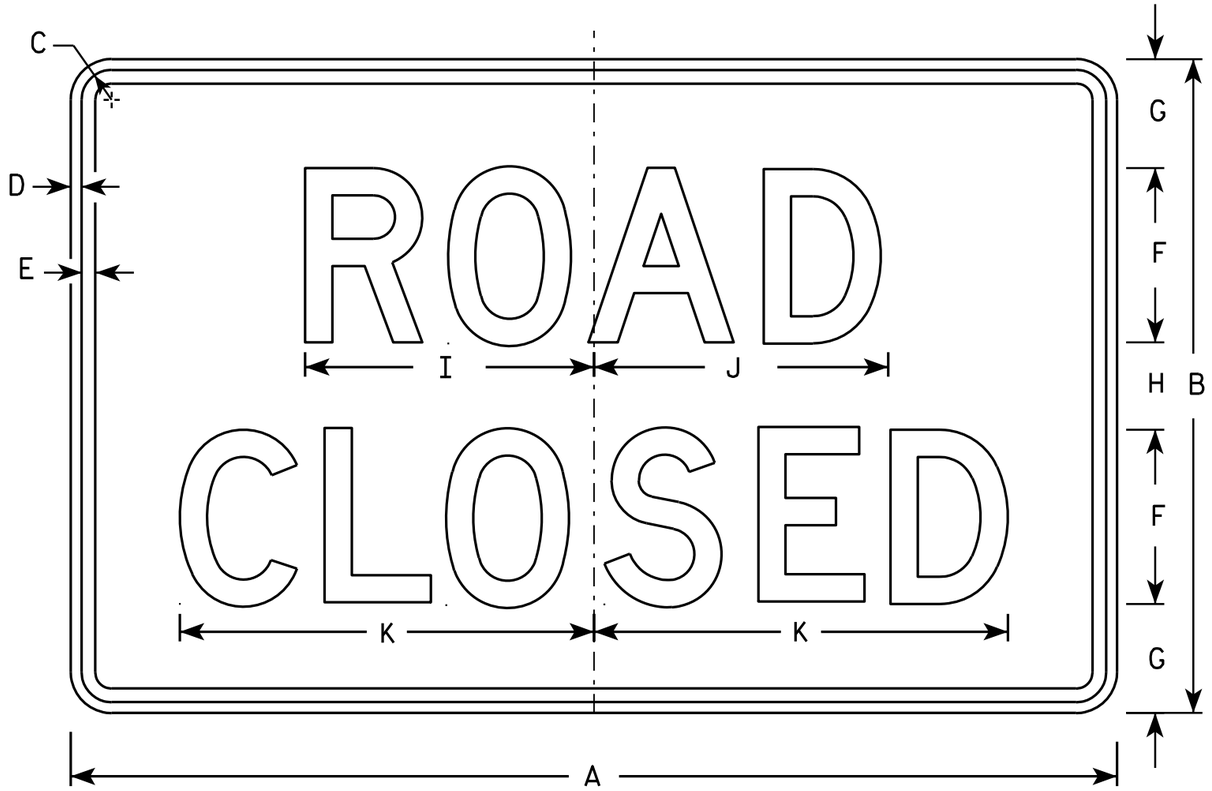
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/4/11 PLATE NO. R10-71.3

PROJECT NO:

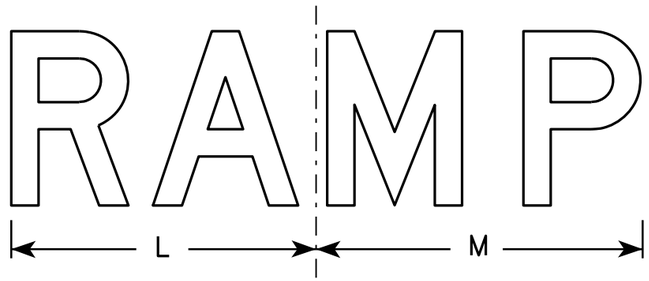
SHEET NO: 301 E



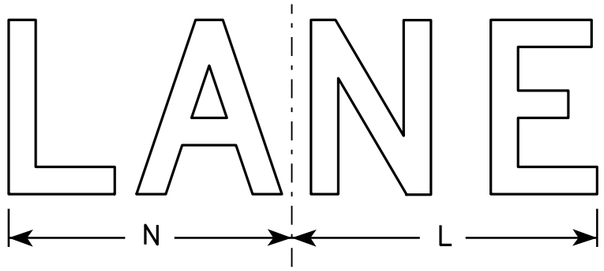
R11-2

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

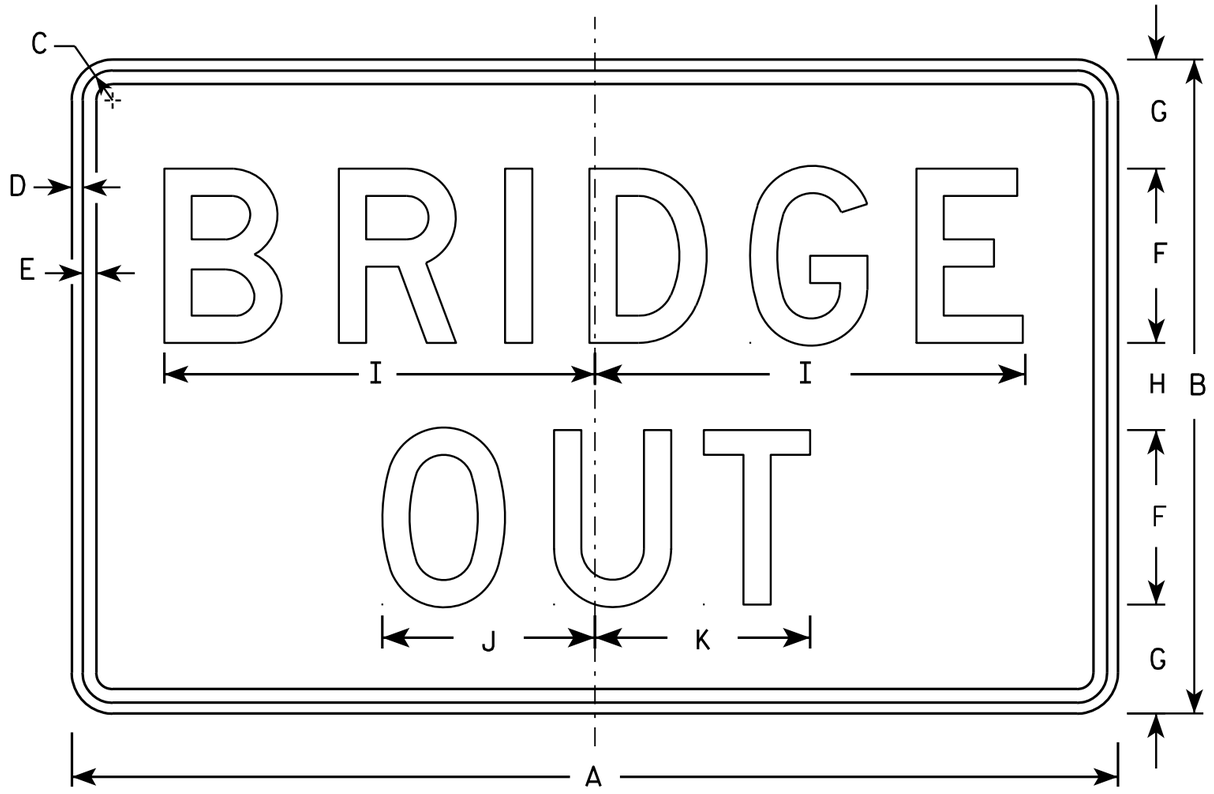
STANDARD SIGN
R11-2

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: 302 | E



R11-2B

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	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0

STANDARD SIGN
R11-2B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

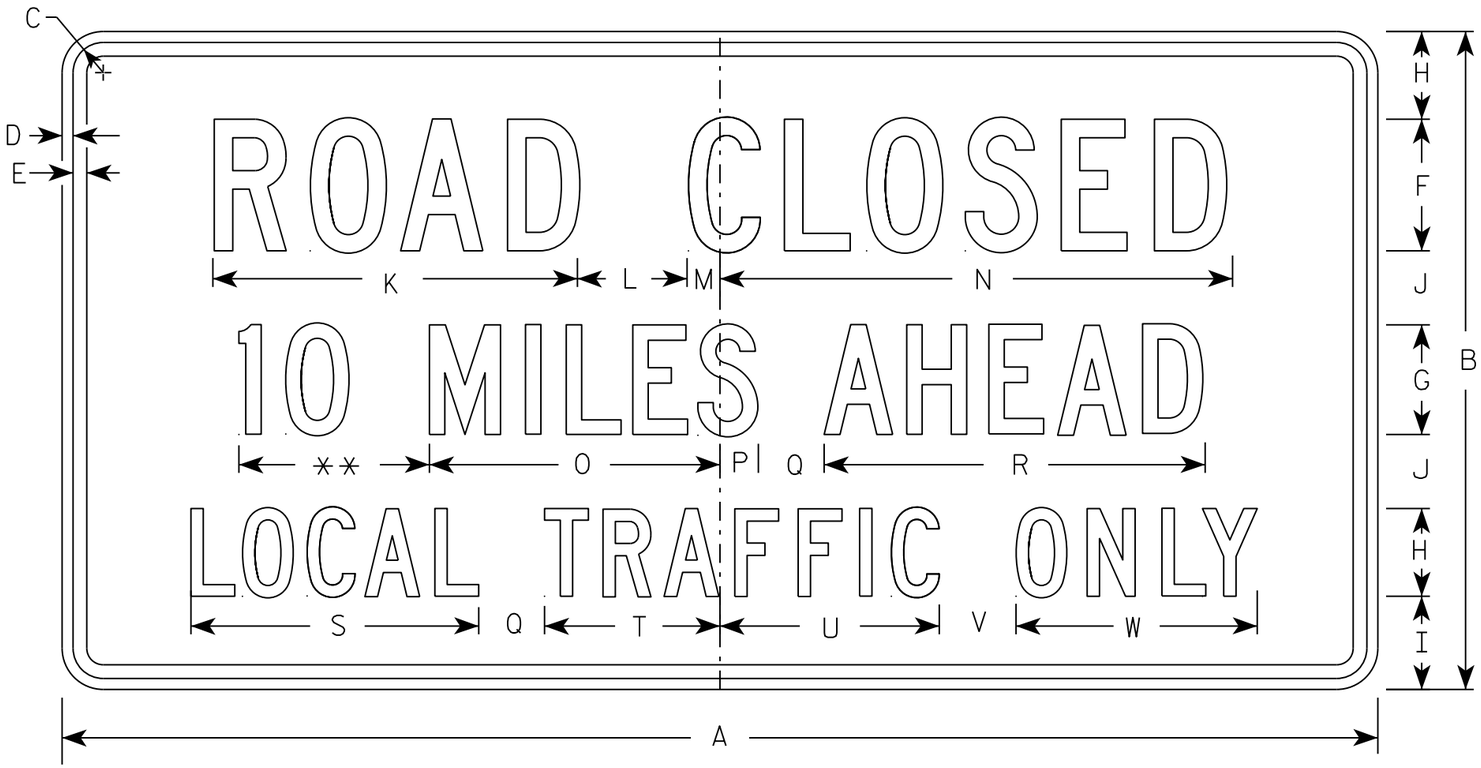
DATE 4/1/11 PLATE NO. R11-2B.2

PROJECT NO:

SHEET NO: 303 E

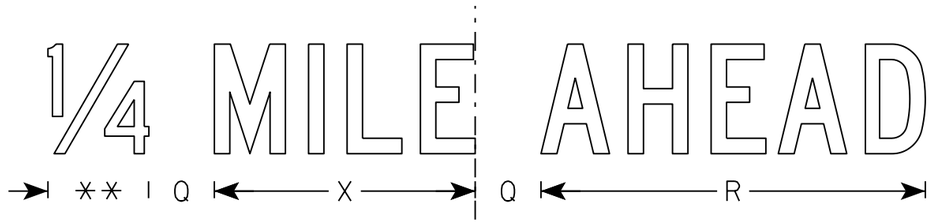
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** See Note 5



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 3/8	1/2	5/8	4	3	2 1/2	2	2	11 1/8	3	1 1/8	15 1/4	8	1 1/2	2	10 3/4	8 3/8	4 3/4	6 1/2	2	6 3/4	7 1/8			4.5
2S	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
3																											
4																											
5																											

STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

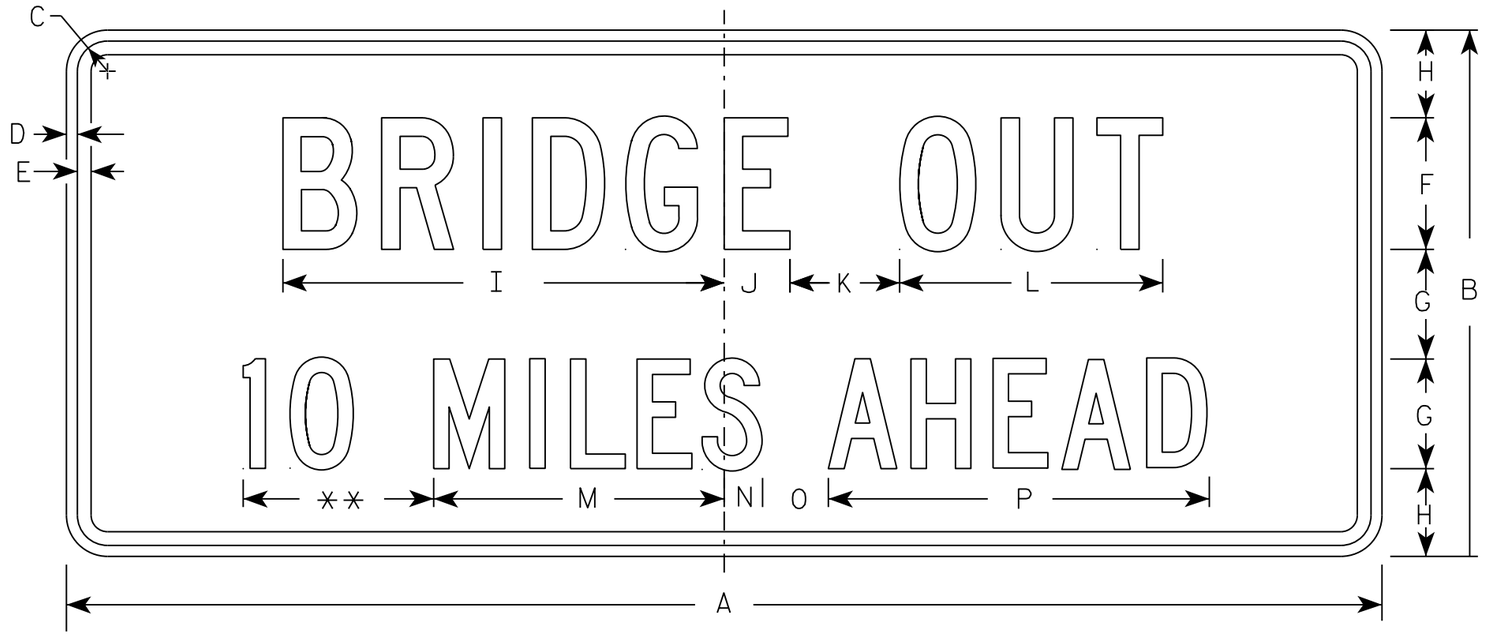
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/17 PLATE NO. R11-3.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 304	E

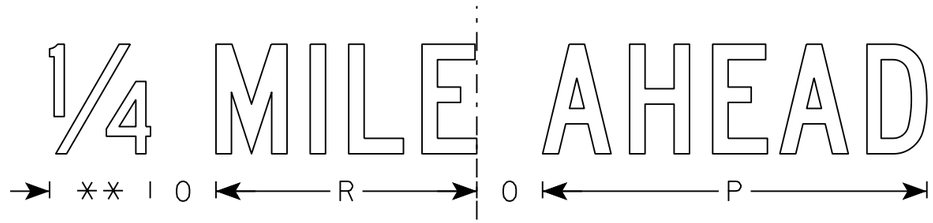
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3C

** See Note 5



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	15	1 3/8	1/2	5/8	4	3	2 1/2	13 1/4	2 1/4	3	8	8	1 1/2	2	10 3/4		7 1/8									3.75
2S	60	24	1 3/8	1/2	5/8	6	5	4	20 1/8	3	5	12	13 1/4	1 3/4	3	17 3/8		11 7/8									10.0
2M	60	24	1 3/8	1/2	5/8	6	5	4	20 1/8	3	5	12	13 1/4	1 3/4	3	17 3/8		11 7/8									10.0
3																											
4																											
5																											

STANDARD SIGN
R11-3C

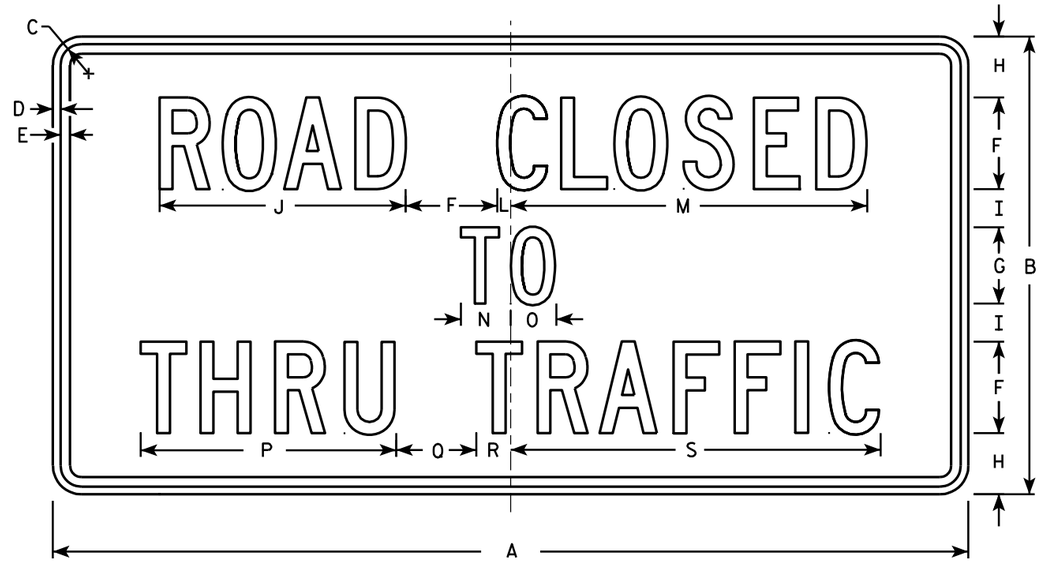
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/28/16 PLATE NO. R11-3C.3

PROJECT NO:

SHEET NO: 305 E



R11-4

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

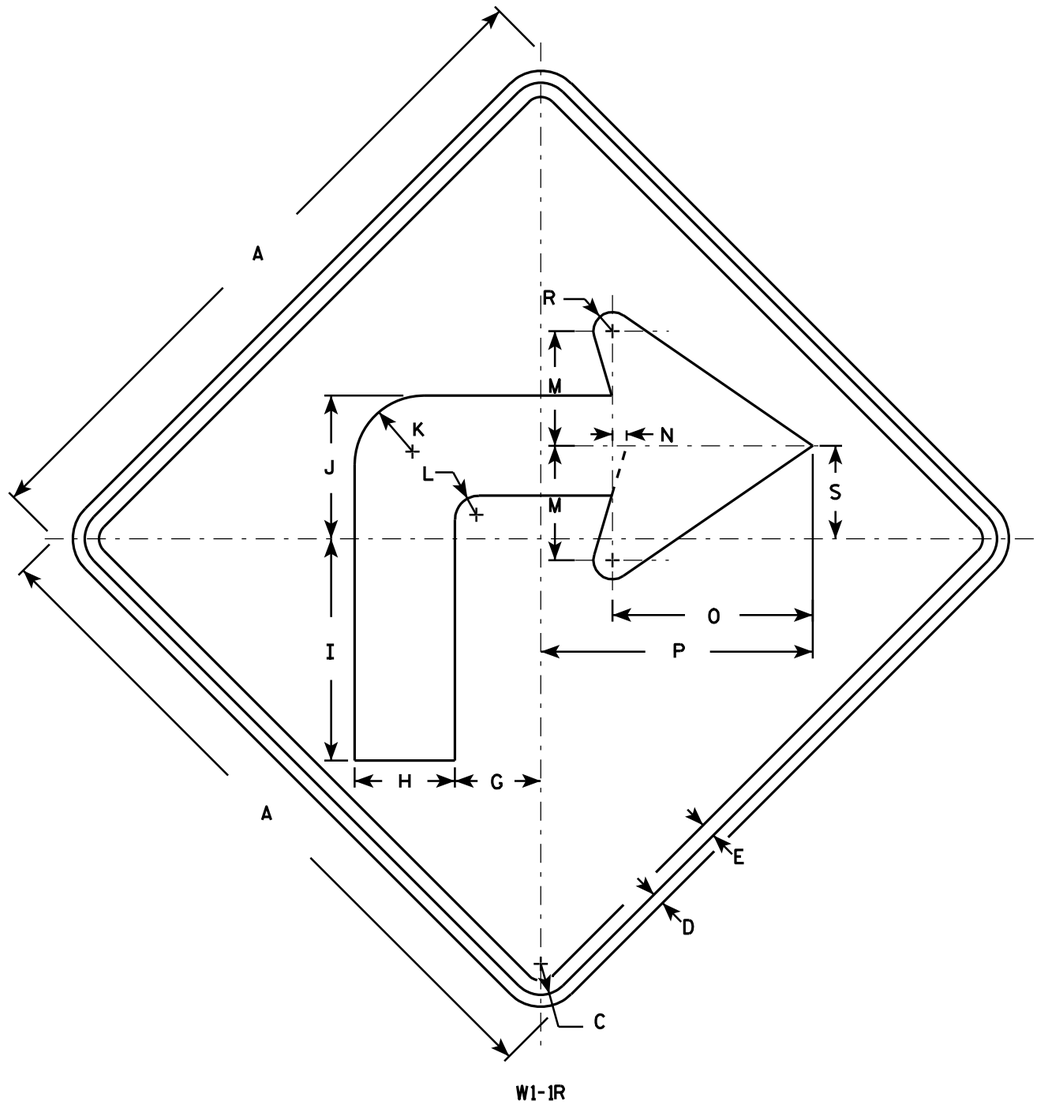
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 306 | E



W1-1R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W1-1L is the same as W1-1R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		3	3 1/2	7 3/4	5	2 1/2	7/8	4	1/2	7	9 1/2		5/8	3 1/4								4.0
2S	36		1 5/8	5/8	3/4		4 1/2	5 1/4	11 5/8	7 1/2	3 5/8	1 1/4	6	3/4	10 1/2	14 1/4		1	4 7/8								9.0
2M	36		1 5/8	5/8	3/4		4 1/2	5 1/4	11 5/8	7 1/2	3 5/8	1 1/4	6	3/4	10 1/2	14 1/4		1	4 7/8								9.0
3	36		1 5/8	5/8	3/4		4 1/2	5 1/4	11 5/8	7 1/2	3 5/8	1 1/4	6	3/4	10 1/2	14 1/4		1	4 7/8								9.0
4	48		2 1/4	3/4	1		6	7	15 1/2	10	4 7/8	1 5/8	8	1	14	19		1 1/4	6 1/2								16.0
5	48		2 1/4	3/4	1		6	7	15 1/2	10	4 7/8	1 5/8	8	1	14	19		1 1/4	6 1/2								16.0

STANDARD SIGN
W1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/15/12 PLATE NO. W1-1.11

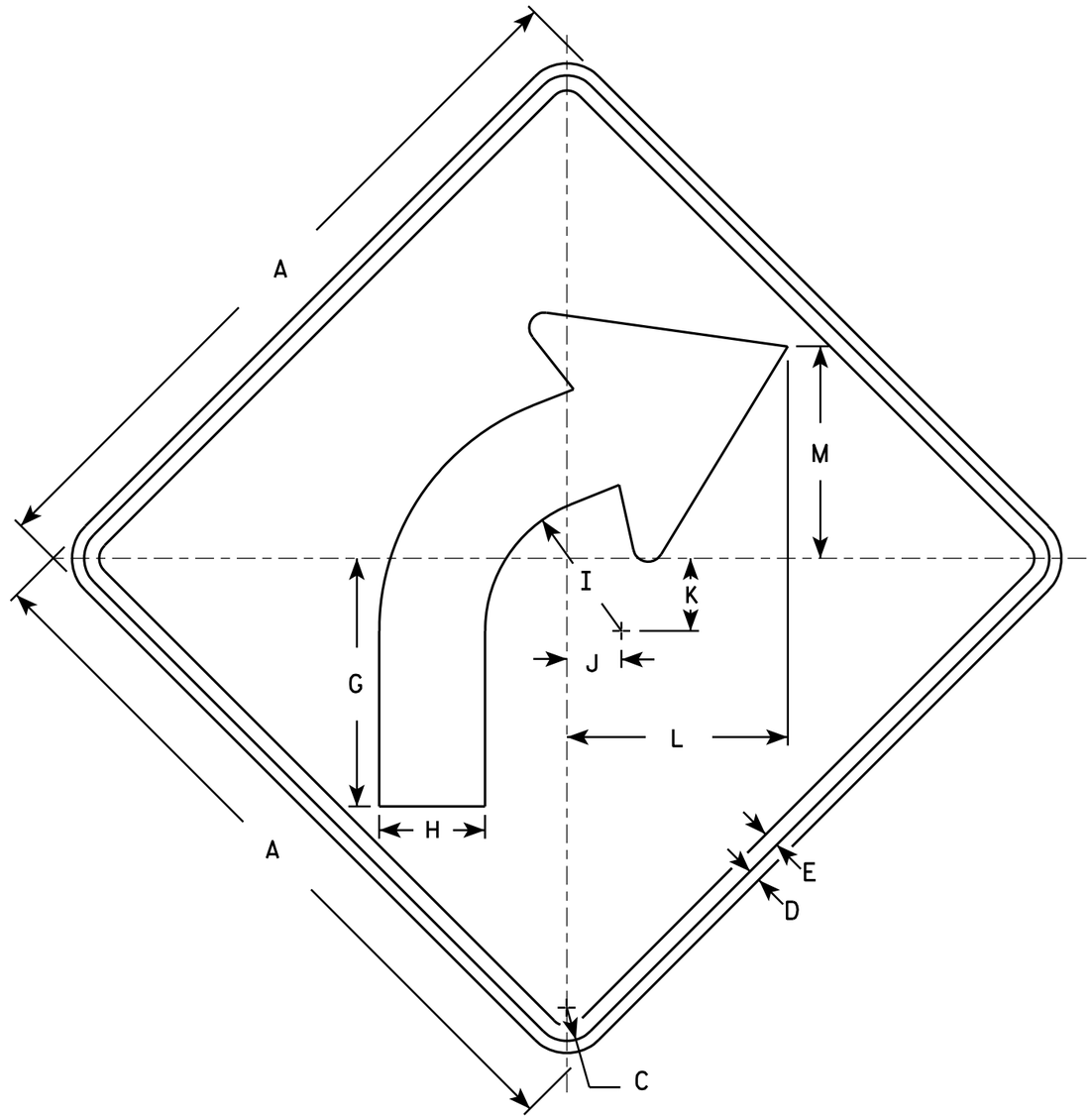
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 307 | E

7

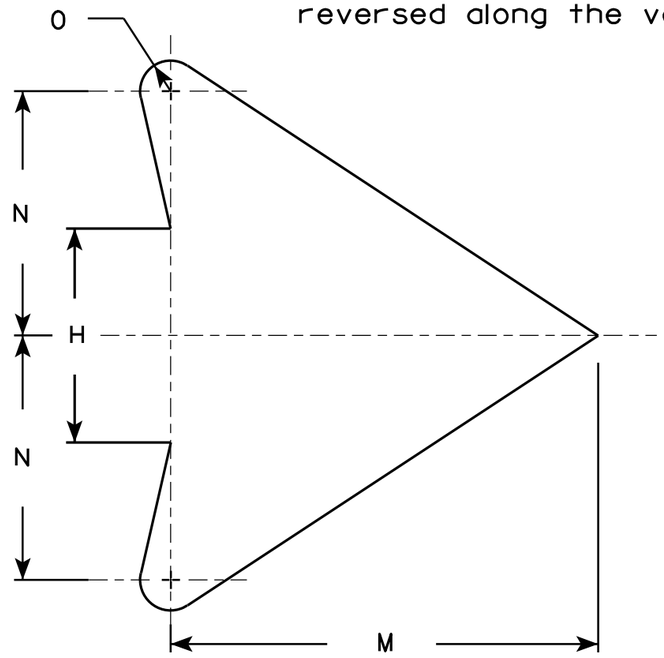
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W11.DGN PLOT DATE : 15-MAY-2012 13:47 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 7.939035:1.000000
WISDOT/CADDS SHEET 42

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



W1-2R



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0
2S	30		1 3/8	1/2	5/8		10 1/4	4 3/8	5 5/8	2 1/4	3	9 1/8	8 3/4	5	5/8												6.25
2M	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
3	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
4	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

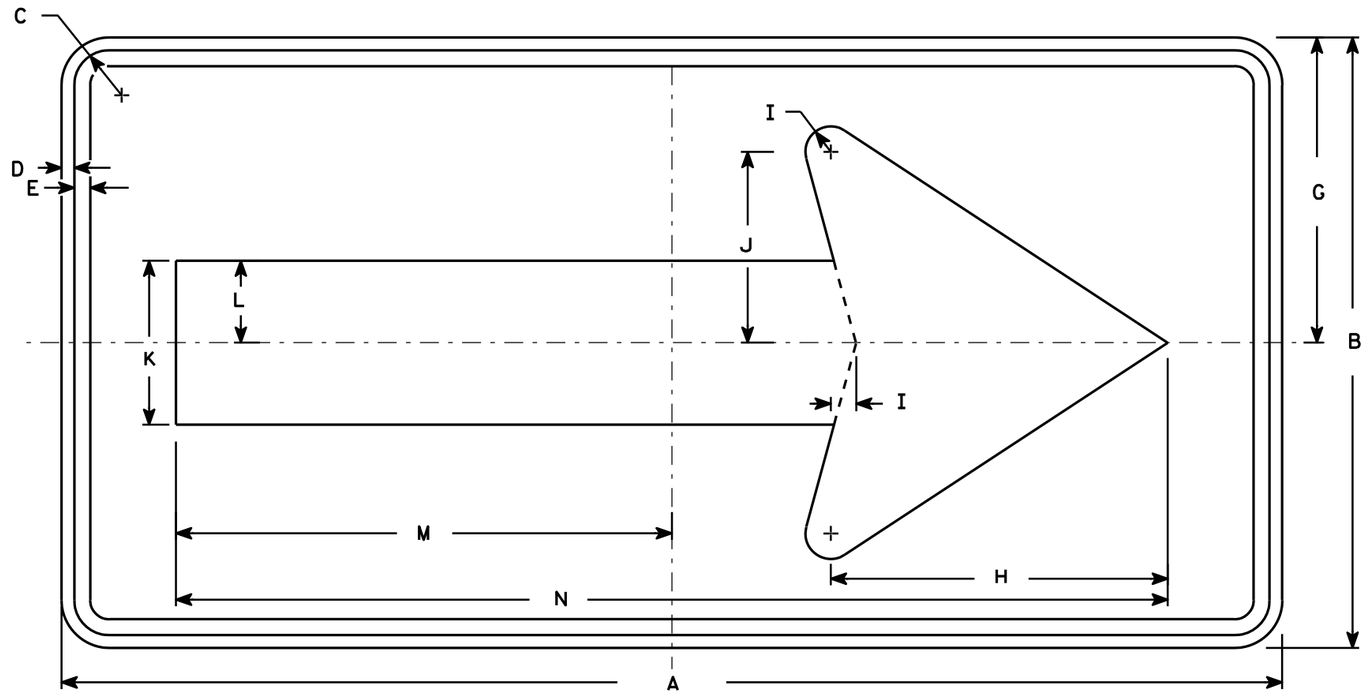
STANDARD SIGN
W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/15/12 PLATE NO. W1-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 308	E



W1-6

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	3/8		9	10	3/4	5 5/8	4 3/4	2 3/8	14 5/8	29 1/4													4.5
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	96	48	2 1/4	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0

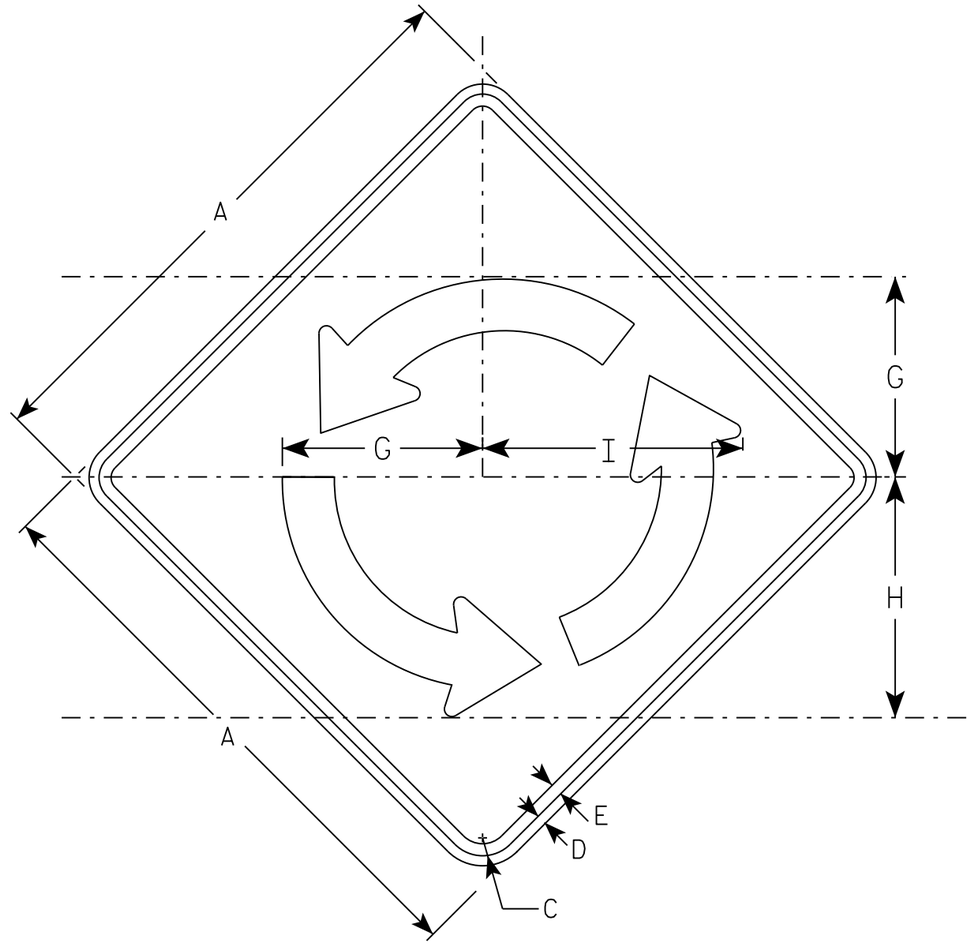
STANDARD SIGN
W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-6.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 309



W2-6

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - YELLOW
   Message - BLACK

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Area sq. ft.
1																									
2S	30		1 3/8	1/2	5/8		10 3/8	12 1/2	13 1/2																6.25
2M	30		1 3/8	1/2	5/8		10 3/8	12 1/2	13 1/2																6.25
3	36		1 5/8	5/8	3/4		12 1/2	15	16 1/4																9.00
4	48		2 1/4	3/4	1		16 5/8	20	16 1/4																16.0
5																									

STANDARD SIGN
W2-6

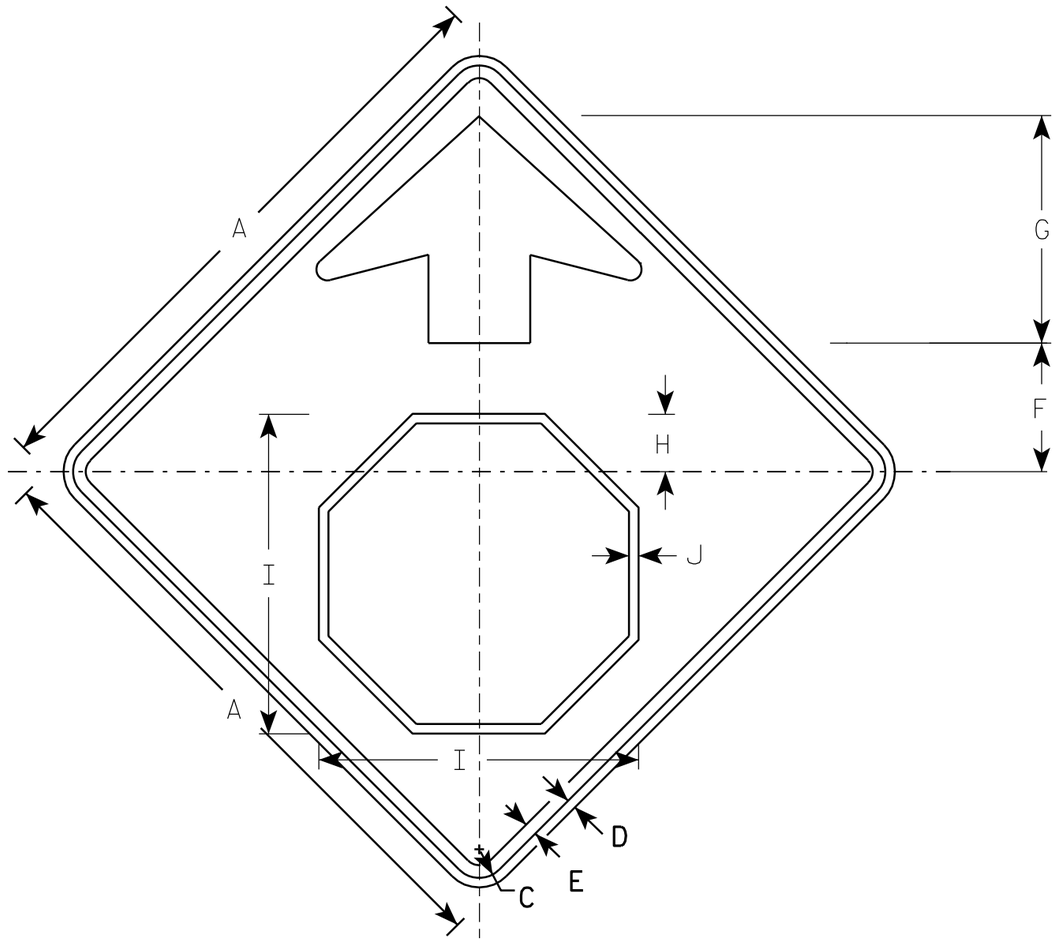
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. W2-6.6

PROJECT NO:

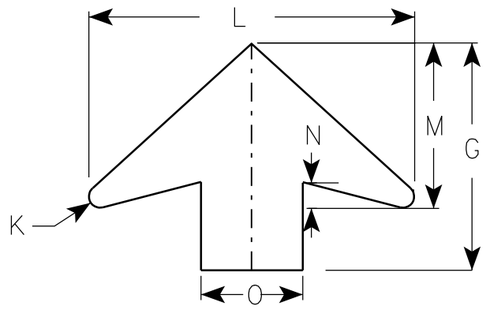
SHEET NO: 310 E



W3-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   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	30		1 3/8	1/2	5/8	6 1/4	11 1/4	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	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
2M	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
3	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
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
W3-1

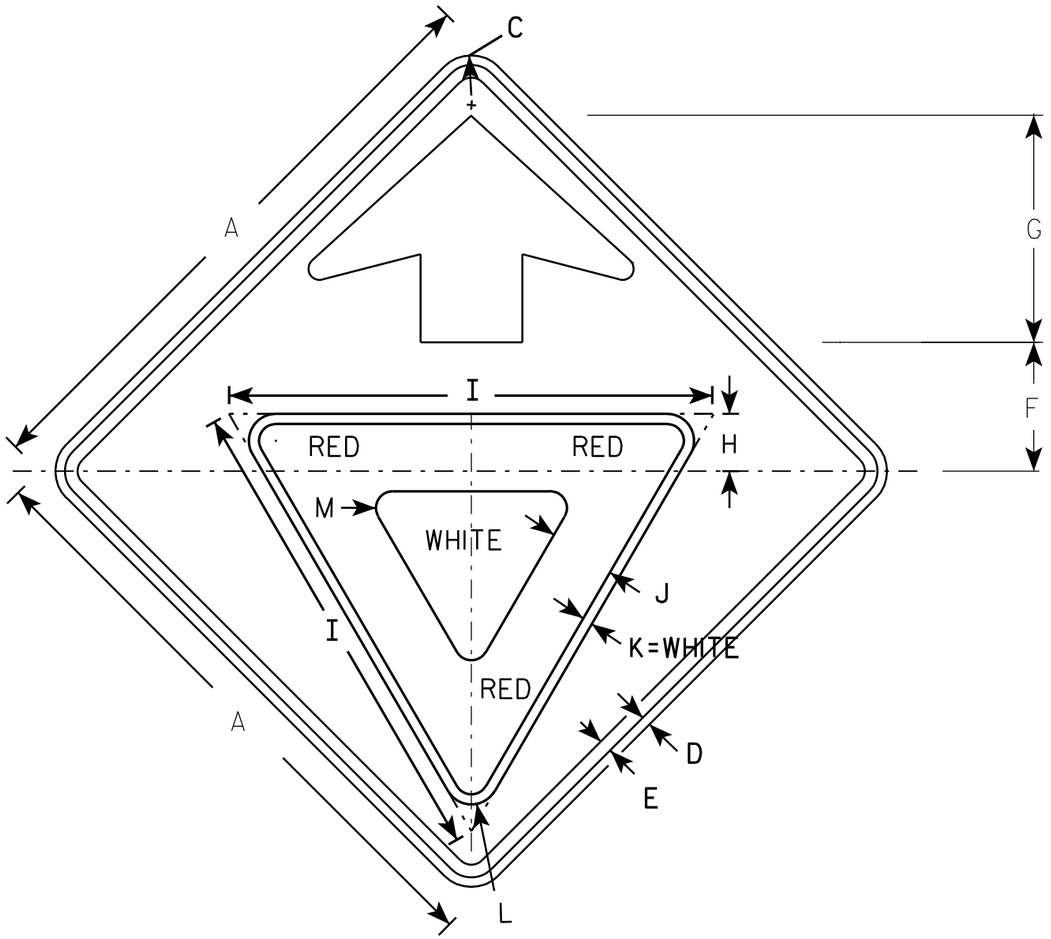
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

PROJECT NO:

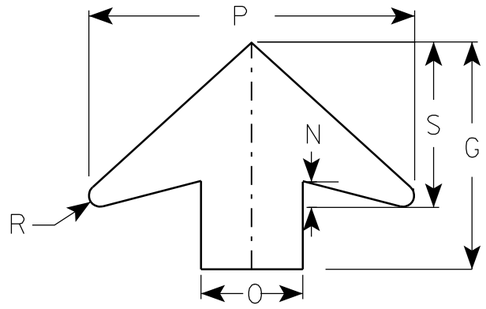
SHEET NO: 311 E



W3-2

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Arrow & Border - BLACK
   Yield 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	30		1 3/8	1/2	5/8	6 1/4	11 1/4	3	25	3 3/8	1/2	1 3/8	7/8	1 1/4	5	16		1/2	8								6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0

STANDARD SIGN
W3-2

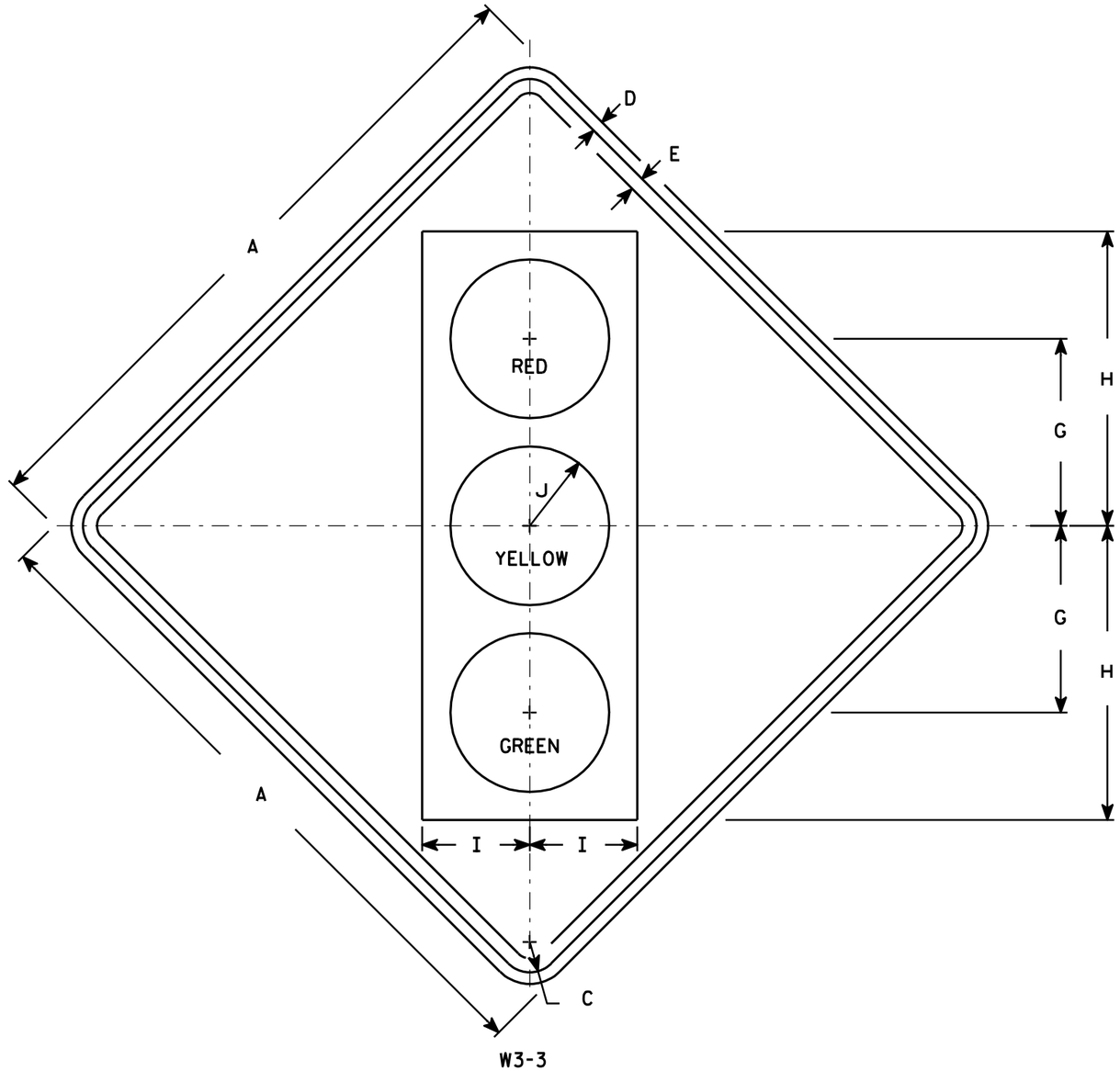
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-2..9

PROJECT NO:

SHEET NO: 312 E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		8 3/4	13 3/4	5	3 3/4																	6.25
2S	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2M	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
3	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
4	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0

STANDARD SIGN
W3-3

WISCONSIN DEPT OF TRANSPORTATION

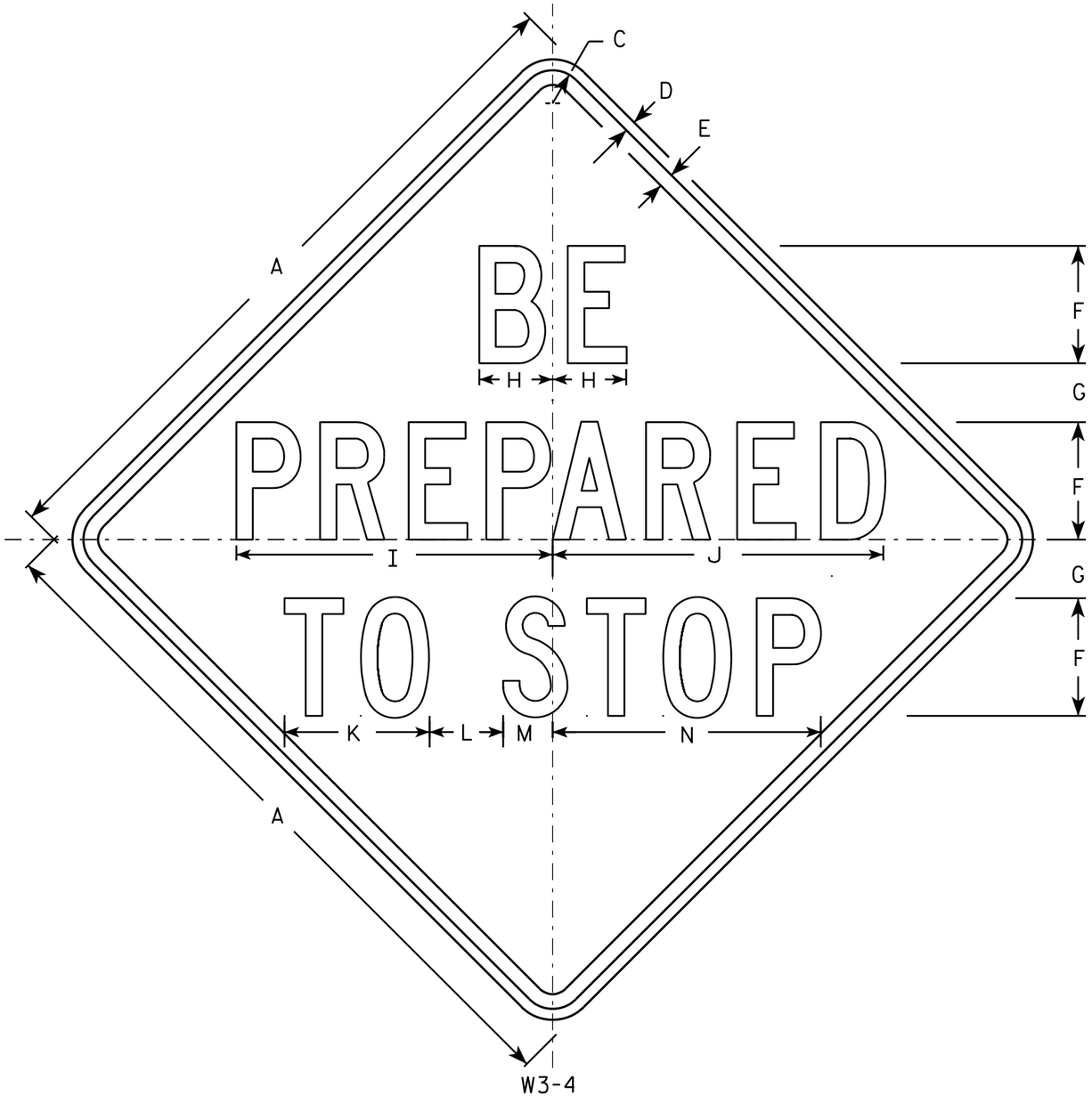
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-3.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 313 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W33.DGN PLOT DATE : 07-JUN-2010 13:07 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 7.448805:1.000000



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   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	30		1 1/8	3/8	1/2	5	2 1/8	3 1/8	13 1/4	14 1/8	6 1/8	3 3/8	2	11 1/2													6.25
2S	36		1 3/8	1/2	5/8	6	2 1/2	3 3/4	15 7/8	16 7/8	7 3/8	4	2 3/8	13 3/4													9.0
2M	36		1 3/8	1/2	5/8	6	2 1/2	3 3/4	15 7/8	16 7/8	7 3/8	4	2 3/8	13 3/4													9.0
3	36		1 3/8	1/2	5/8	6	2 1/2	3 3/4	15 7/8	16 7/8	7 3/8	4	2 3/8	13 3/4													9.0
4	48		2 1/4	3/4	1	8	4	5	21 1/2	22 1/2	9 7/8	5	3 3/8	18 1/4													16.0
5	48		2 1/4	3/4	1	8	4	5	21 1/2	22 1/2	9 7/8	5	3 3/8	18 1/4													16.0

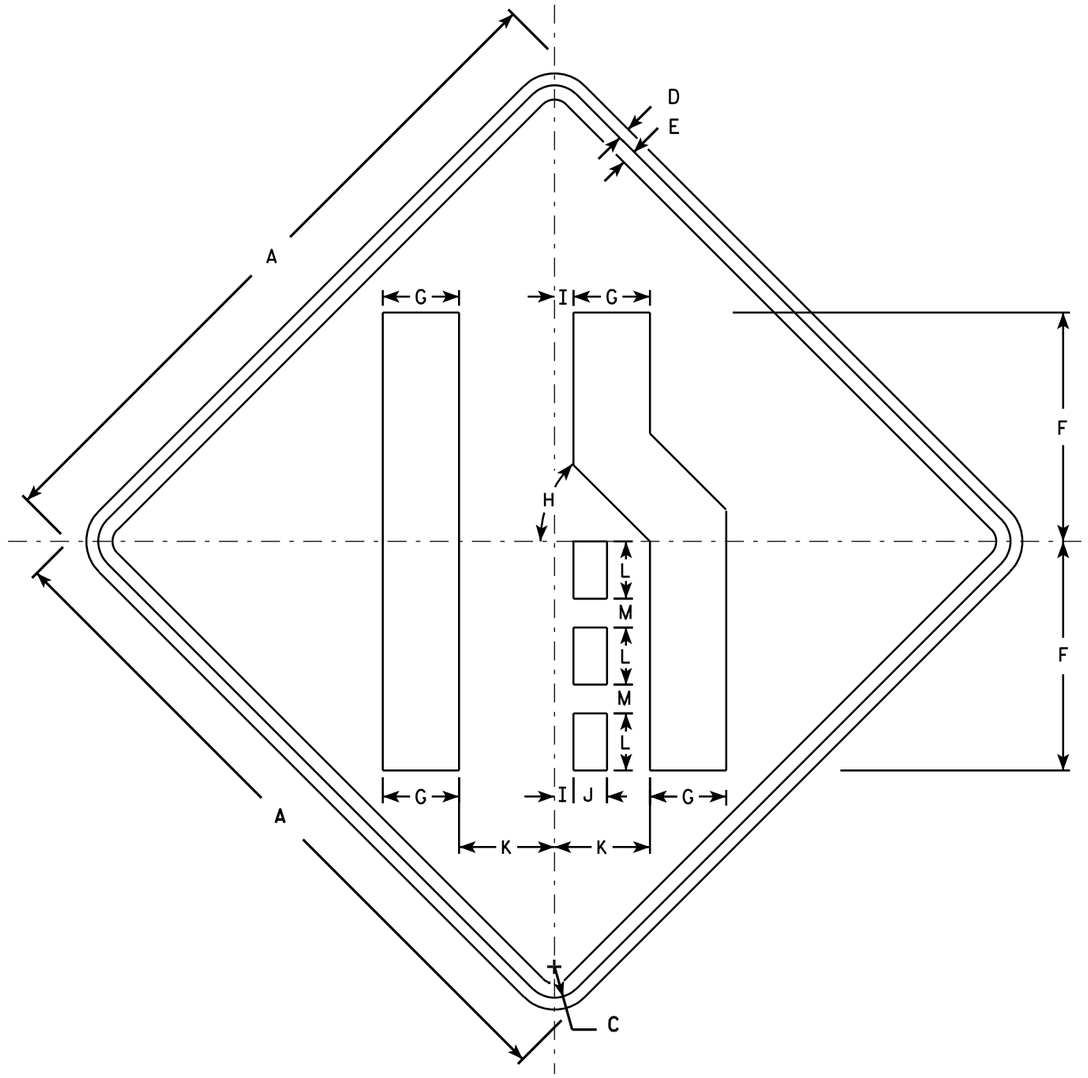
STANDARD SIGN
W3-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W3-4.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 314	E



W4-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W4-2L is the same as W4-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	10	3 3/8	45°	7/8	1 1/2	4 1/4	2 1/2	1 1/4														6.25
2S	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2M	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
3	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN
W4-2

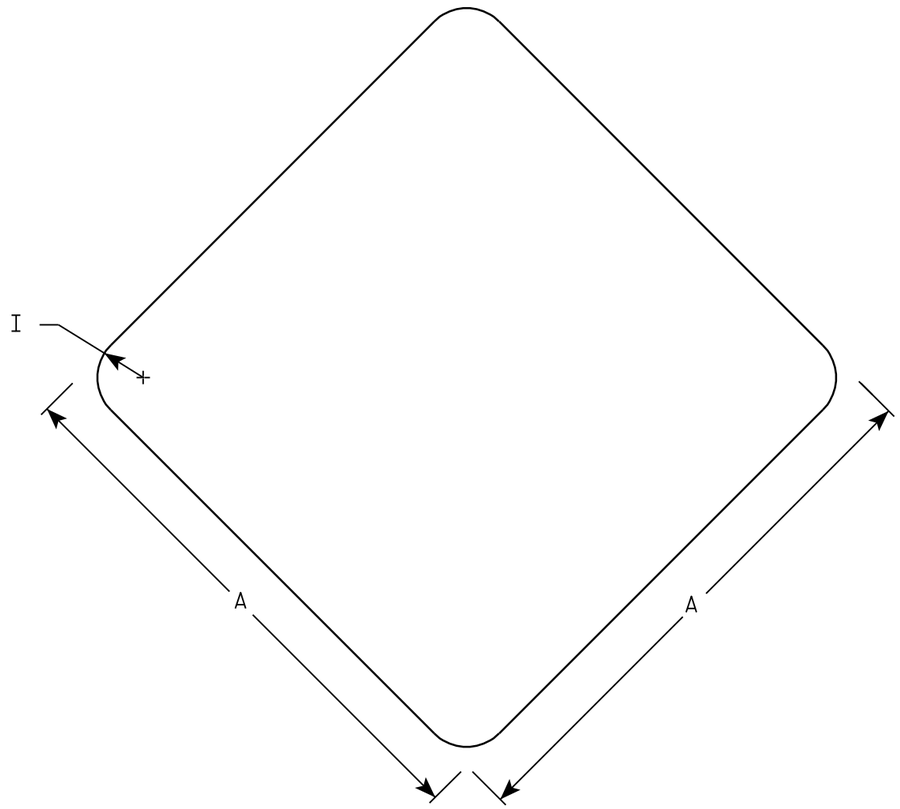
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/12/13 PLATE NO. W4-2.14

PROJECT NO:

SHEET NO: 315 E



W5-54

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
3. Corners may be square or rounded when base material is plywood. When base material is metal the corners 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	12								1																		1.0
2S	18								1 ½																		2.25
2M	18								1 ½																		2.25
3																											
4																											
5																											

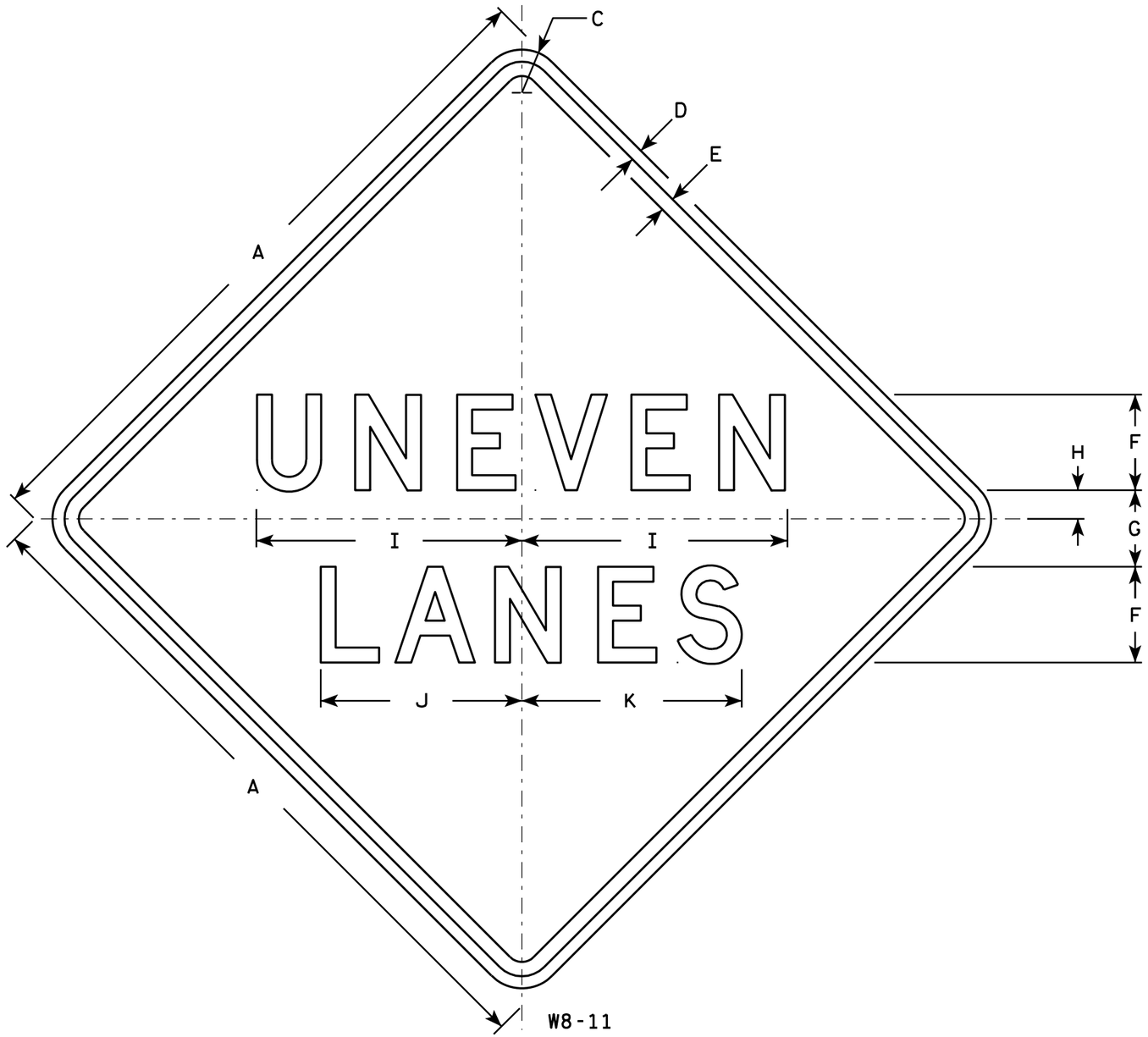
STANDARD SIGN
W5-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/3/10 PLATE NO. W5-54.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 316 | E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - 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																											
2S	36		1 5/8	5/8	3/4	5	4	1 1/2	13 7/8	10 1/2	11 1/2																9.0
2M	36		1 5/8	5/8	3/4	5	4	1 1/2	13 7/8	10 1/2	11 1/2																9.0
3																											
4	36		1 5/8	5/8	3/4	5	4	1 1/2	13 7/8	10 1/2	11 1/2																9.0
5	48		2 1/4	3/4	1	7	5	2	18 1/2	14	15 3/8																16.0

STANDARD SIGN
W8-11

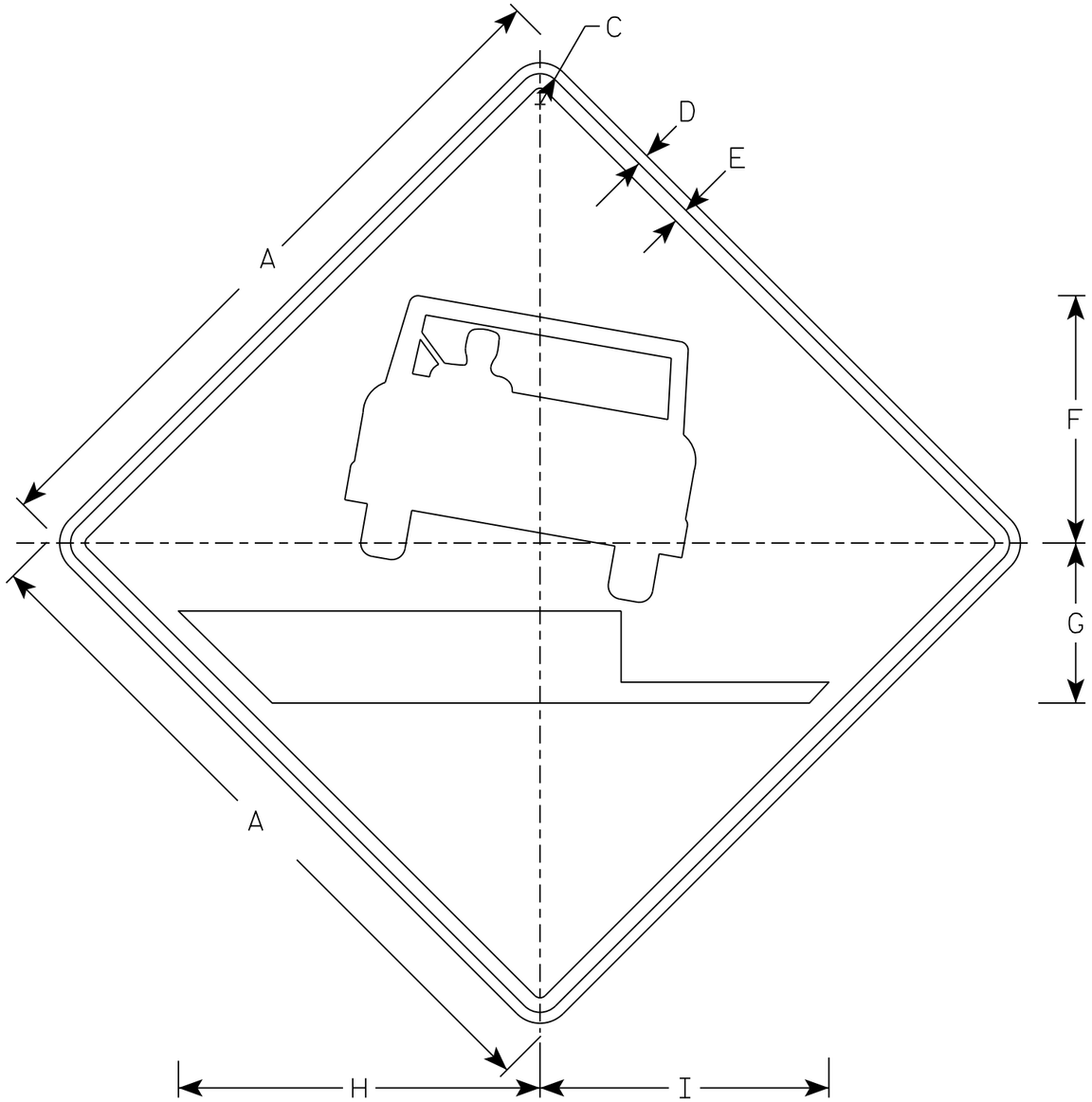
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/22/11 PLATE NO. W8-11.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 317 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W811.DGN PLOT DATE : 22-MAR-2011 14:12 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.703924:1.000000
WISDOT/CADDS SHEET 42



W8-17

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48		2 1/4	3/4	1	17	11	24 7/8	19 7/8																		16.0
2M	48		2 1/4	3/4	1	17	11	24 7/8	19 7/8																		16.0
3	48		2 1/4	3/4	1	17	11	24 7/8	19 7/8																		16.0
4	48		2 1/4	3/4	1	17	11	24 7/8	19 7/8																		16.0
5	48		2 1/4	3/4	1	17	11	24 7/8	19 7/8																		16.0

STANDARD SIGN
W8-17

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/10/17 PLATE NO. W8-17.1

PROJECT NO:

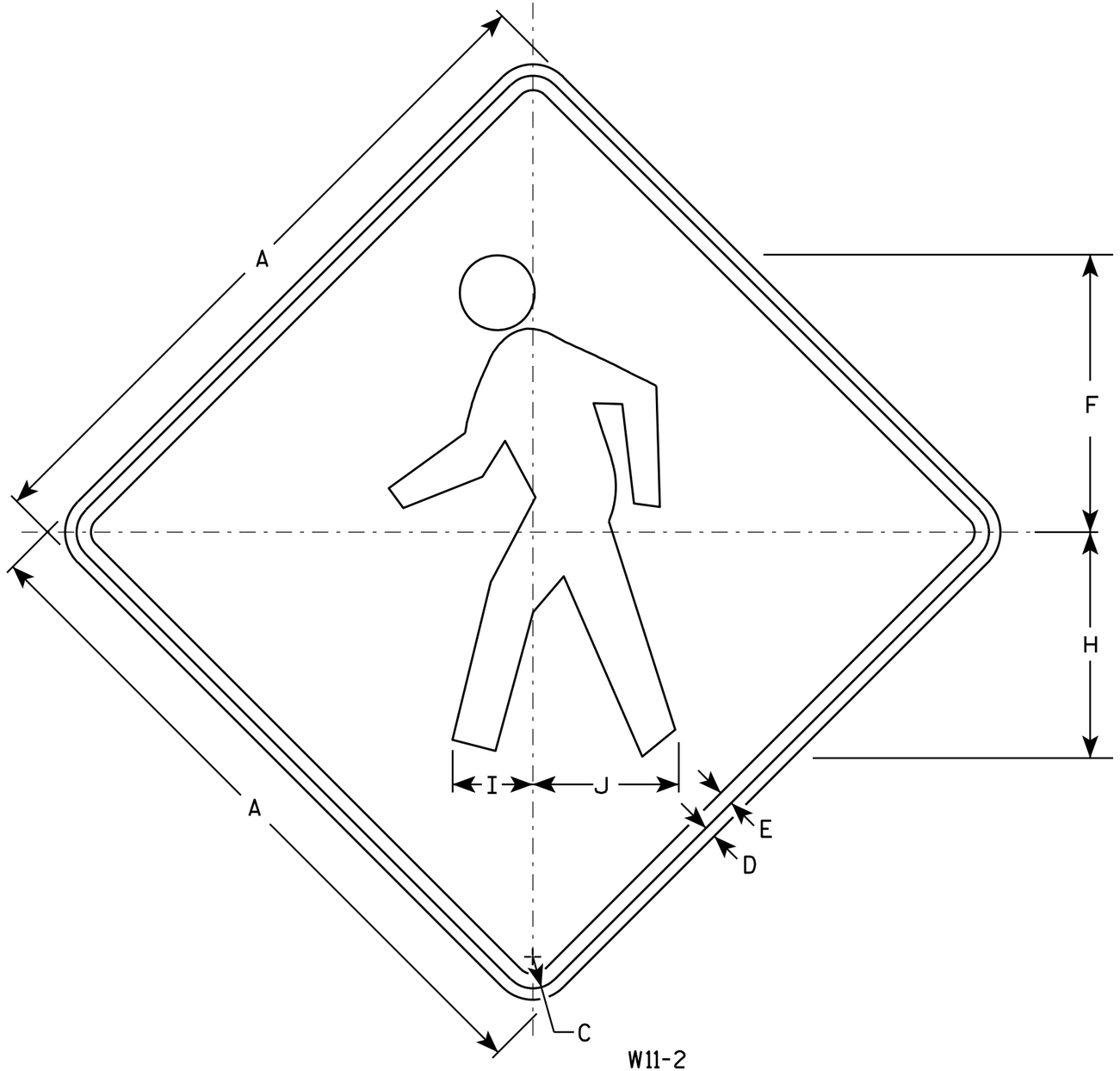
SHEET NO: 318 E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W817.DGN PLOT DATE : 10-OCT-2017 14:20 PLOT BY : $$...plotuser...$$

WISDOT/CADDS SHEET 42

7

7



W11-2

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 3/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

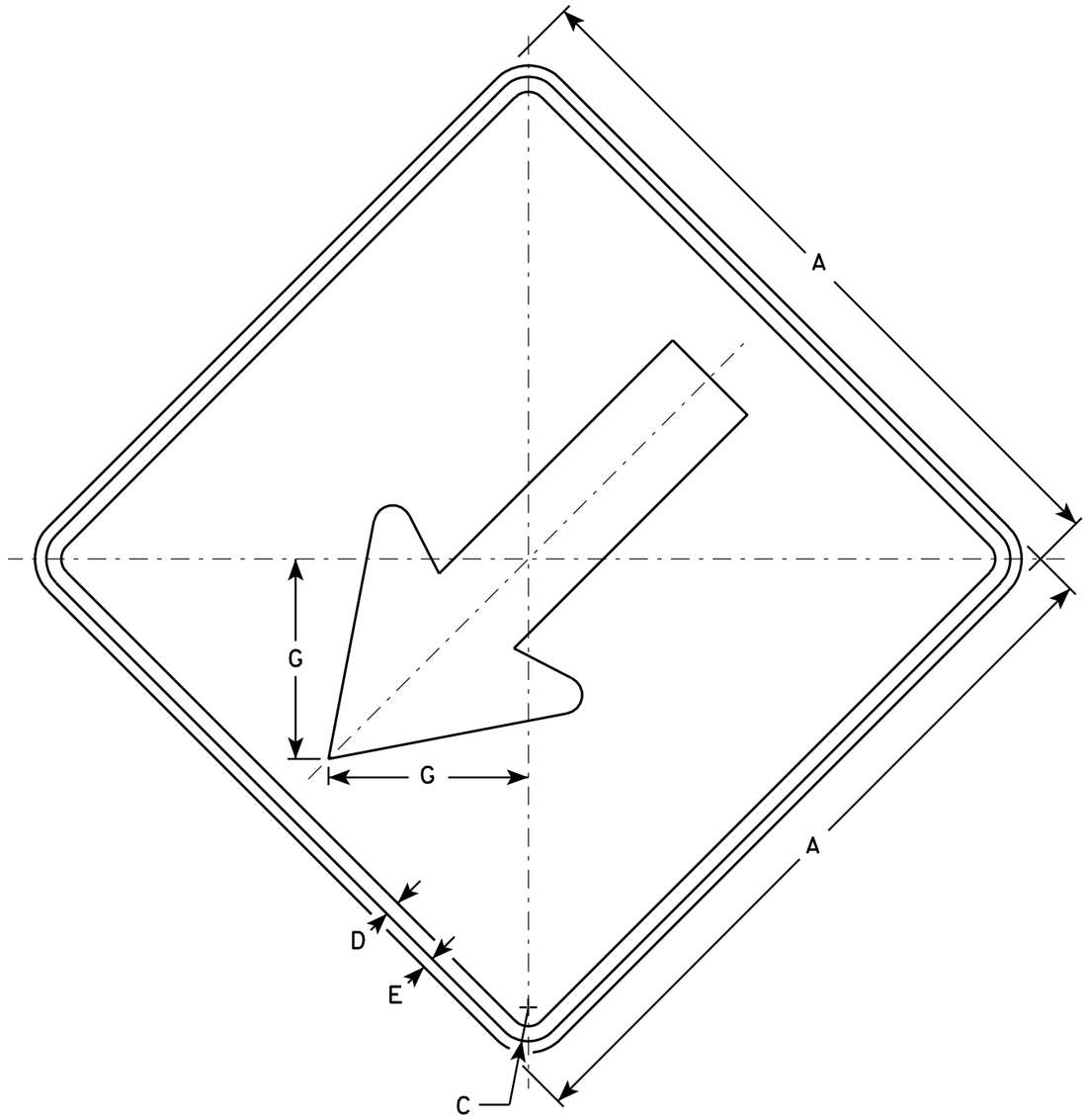
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W11-2.7

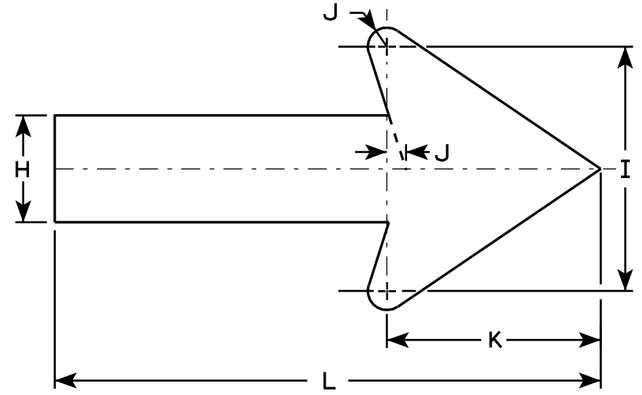
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 319	E



W12-1

NOTES

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



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	1/2	3/8		6 5/8	3 1/2	8	5/8	7	18															4
2M	24		1 1/8	1/2	3/8		6 5/8	3 1/2	8	5/8	7	18															4
3	30		1 3/8	5/8	1/2		8 1/4	4 3/8	10	3/4	8 3/4	22 3/8															6.25
4	36		1 3/4	3/4	5/8		10 3/8	5 1/2	12 1/2	1	11	27 7/8															9.0
5	48		2 1/4	3/4	1		12 1/2	6 5/8	15	1 1/4	13 1/4	33 1/2															16

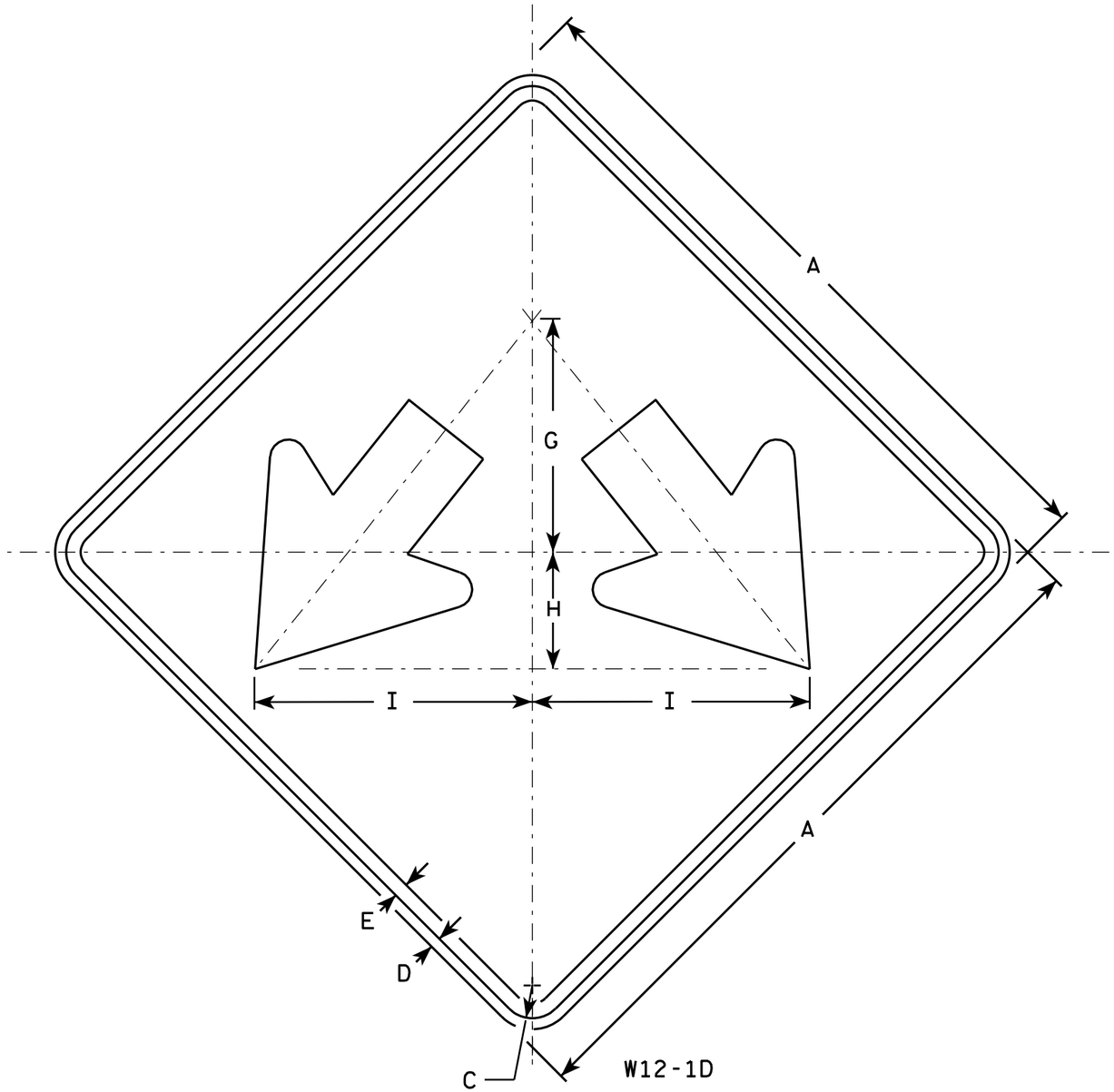
STANDARD SIGN
W12-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

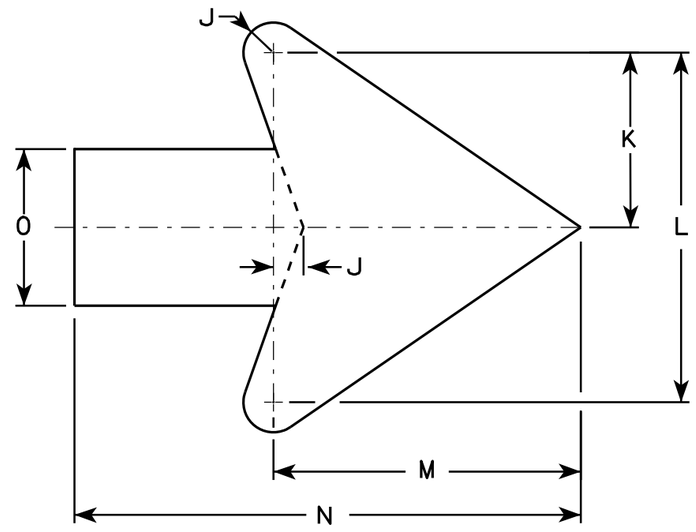
DATE 3/13/13 PLATE NO. W12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 320	E



NOTES

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



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
5	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

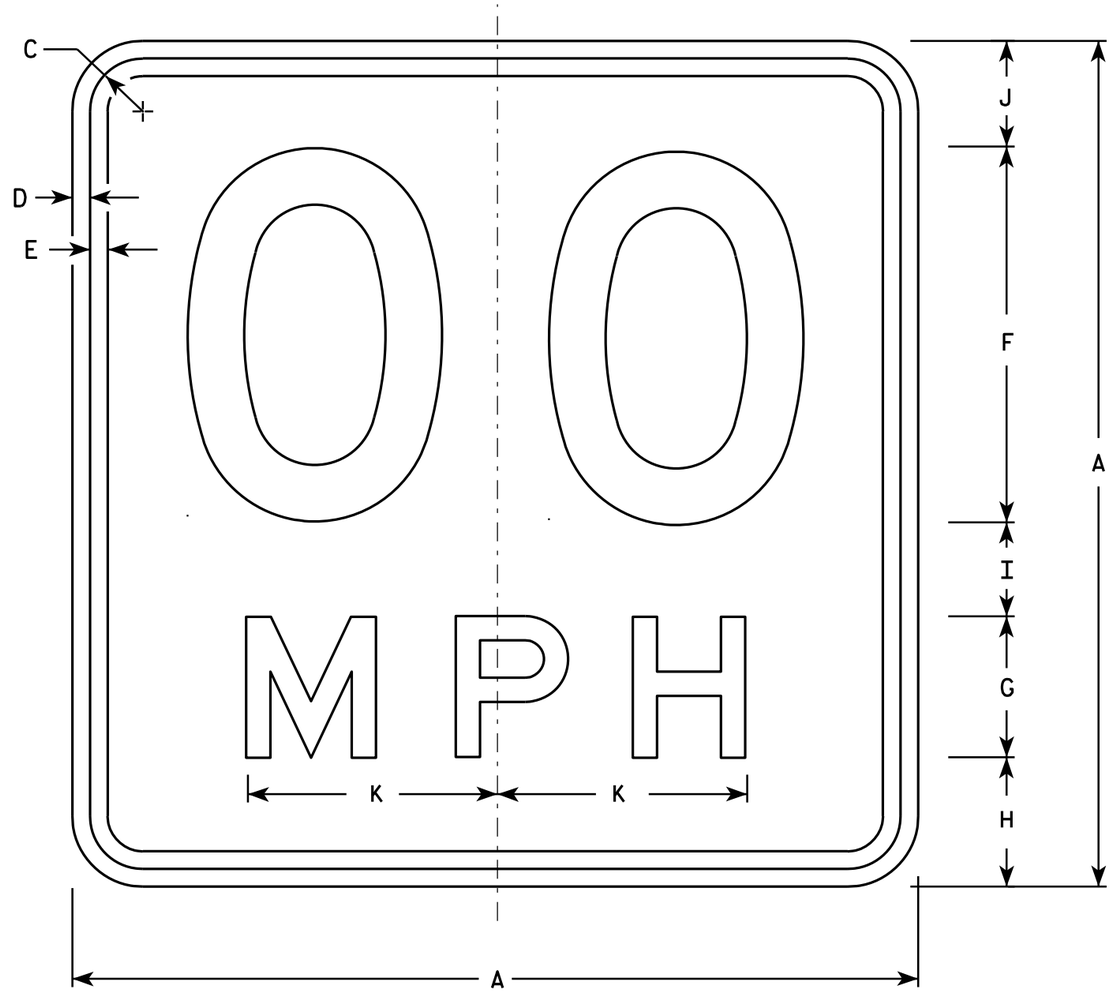
STANDARD SIGN
W12-1D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-1D.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 321	E



W13-1

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

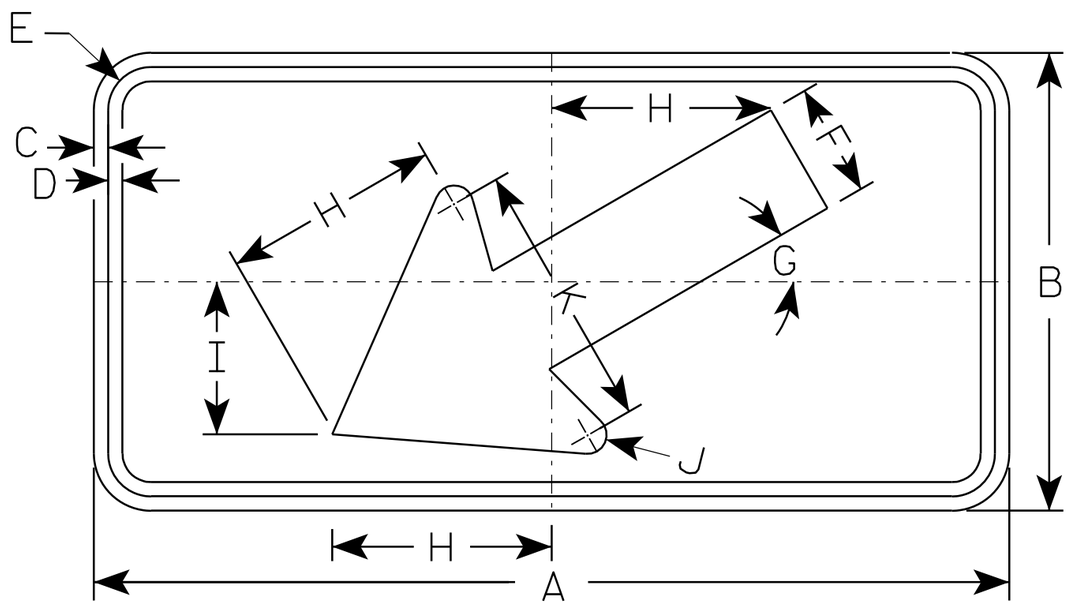
STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 322 | E



W16-7L

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W16-7R is the same as W16-L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	3/8	3/8	1 1/8	3	30°	5 3/4	4	1/2	7																2.0
2M	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
3	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4																											8
5																											8

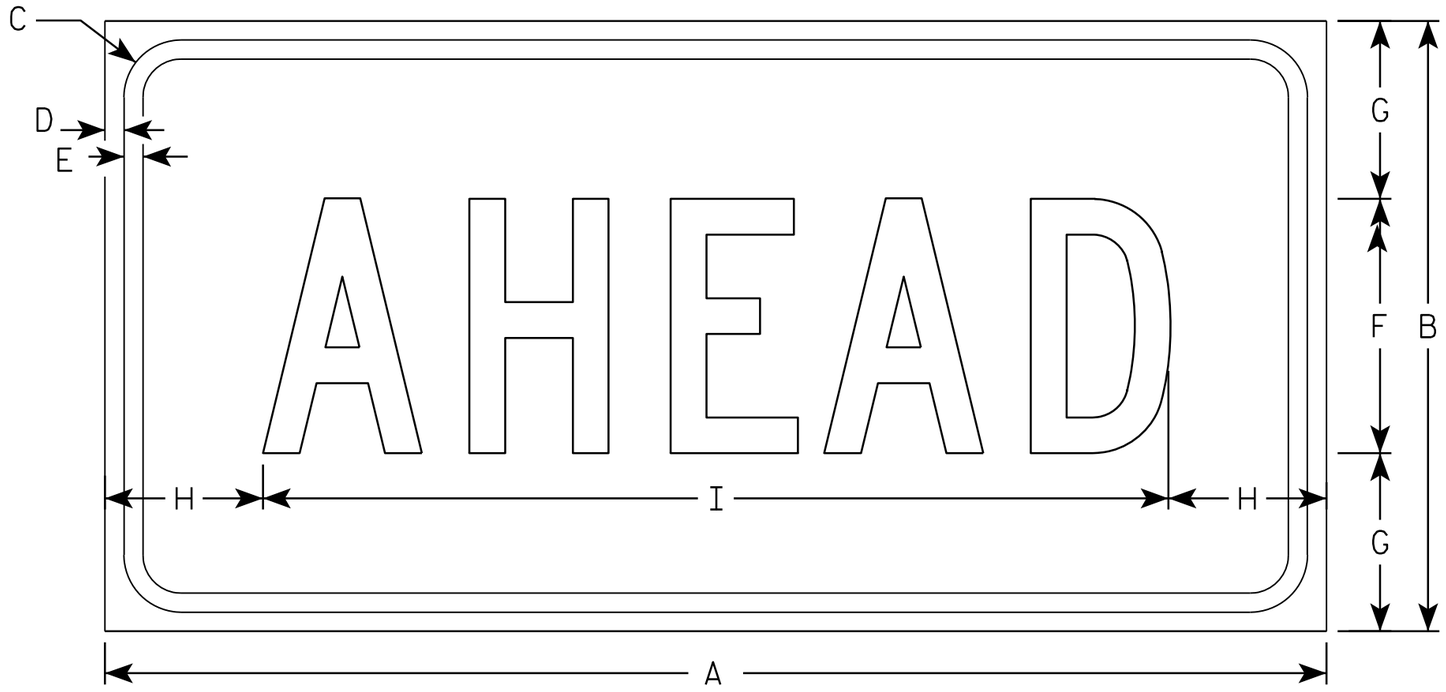
STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/02/10 PLATE NO. W16-7.5

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 323	E



W16-9P

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   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	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
W16-9P

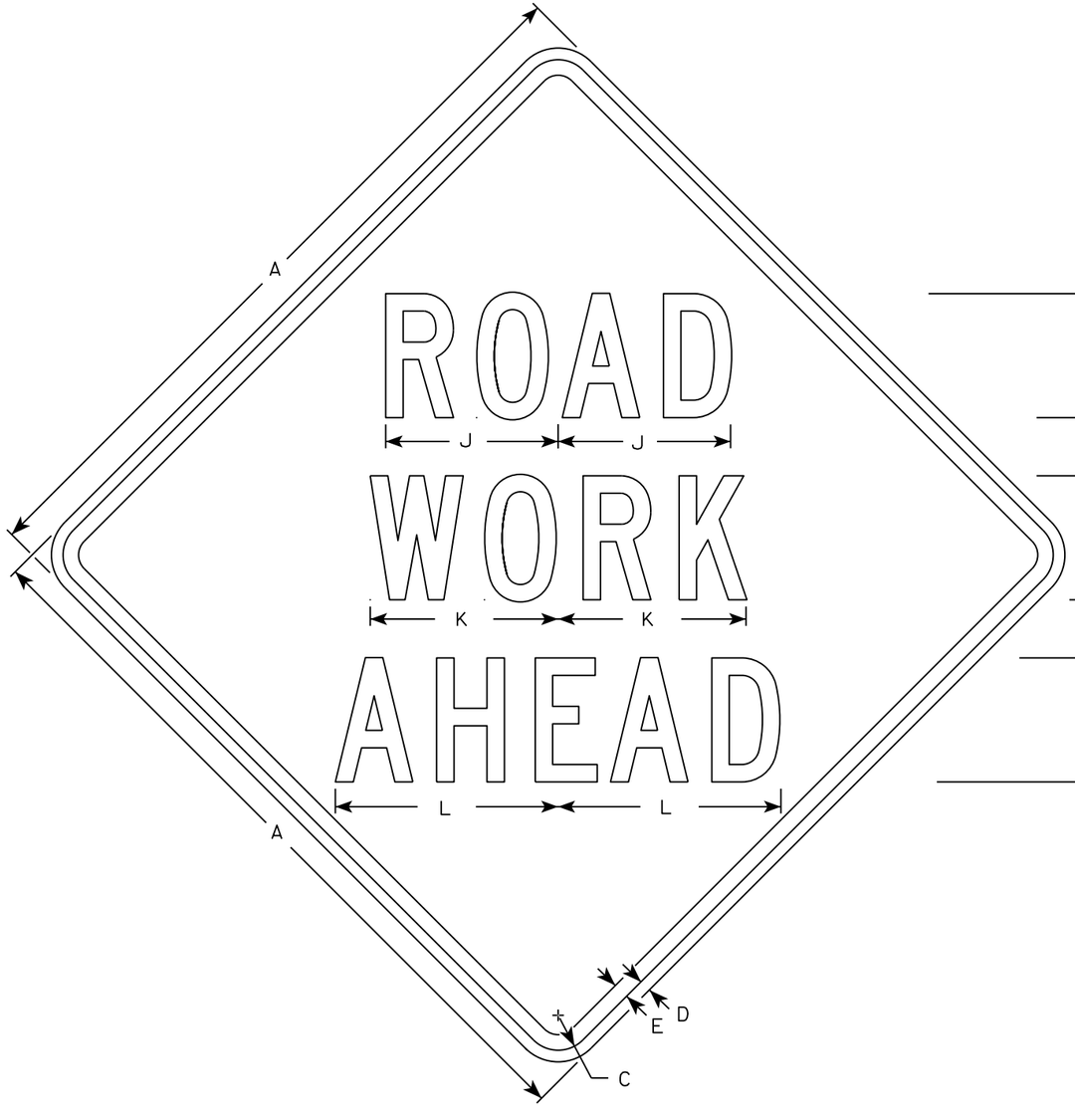
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

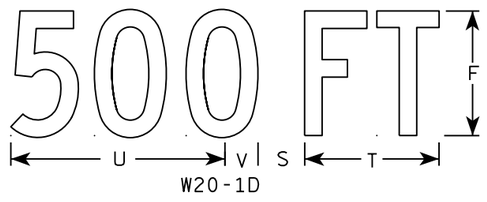
DATE 12/28/10 PLATE NO. W16-9P.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 324 | E

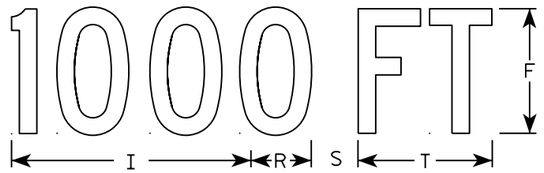
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W169P.DGN PLOT DATE : 28-DEC-2010 13:39 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 2.979524:1.000000
WISDOT/CADDS SHEET 42



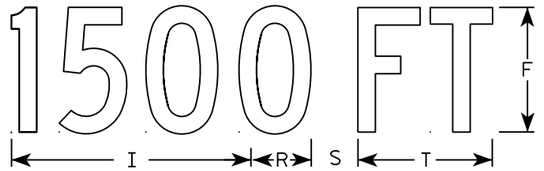
W20-1A



W20-1D

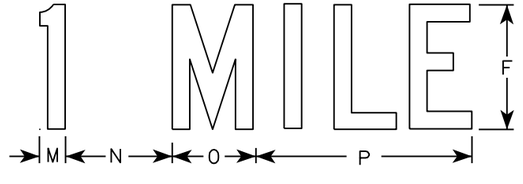


W20-1C

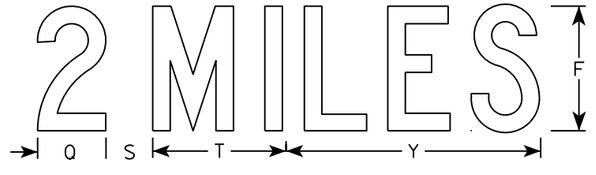


W20-1B

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

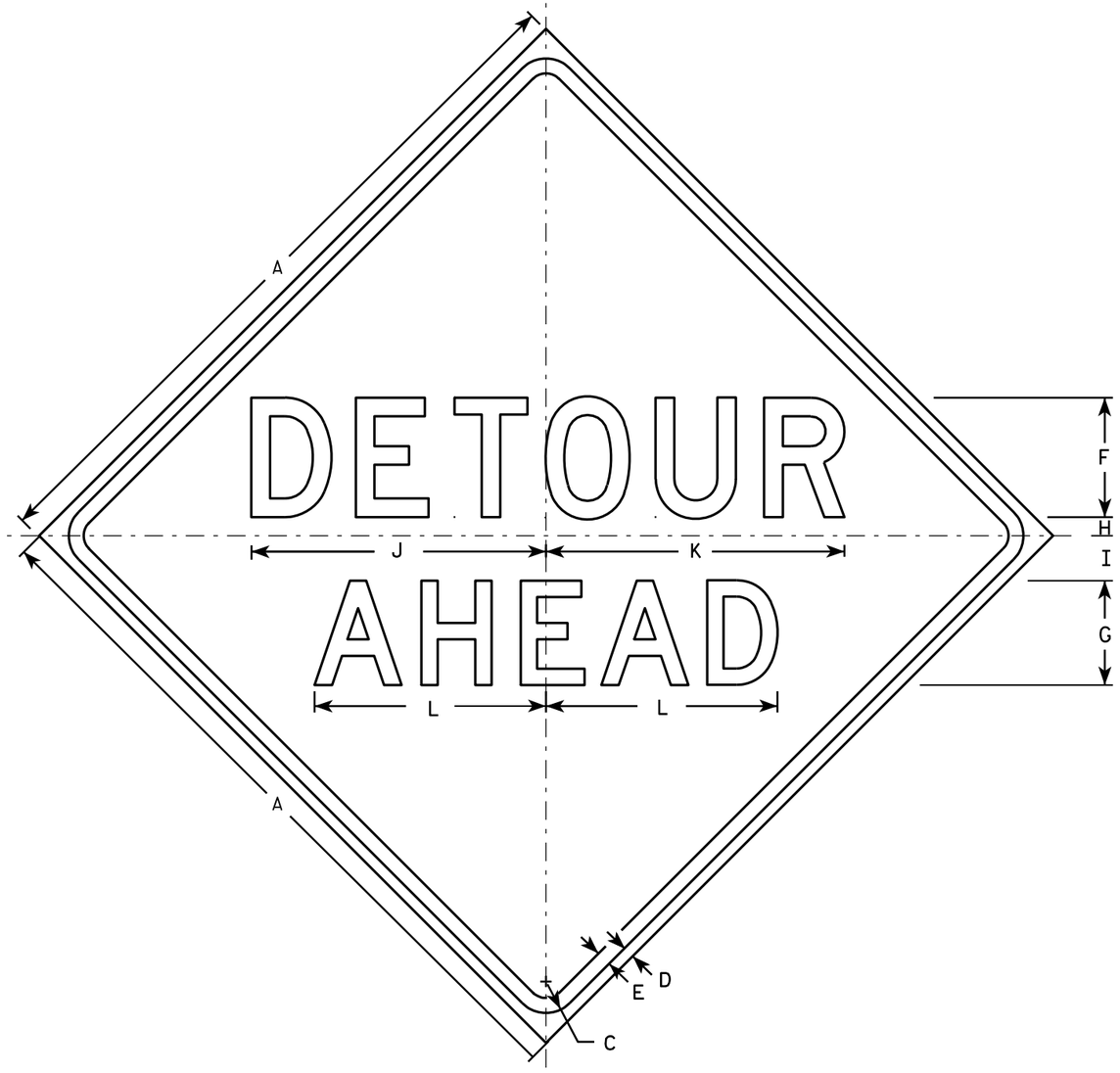
APPROVED Matthew R Rauch
for State Traffic Engineer

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

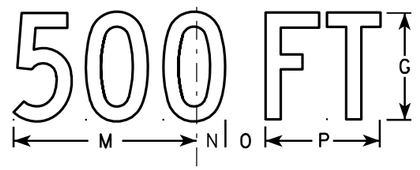
PROJECT NO:

SHEET NO: E

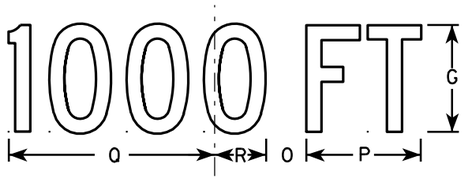
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 01-DEC-2015 18:24 PLOT BY : $$ plotuser $$



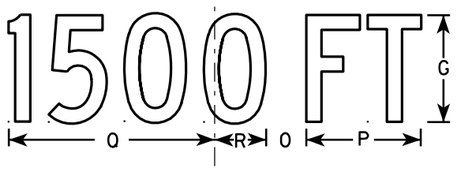
W20-2A



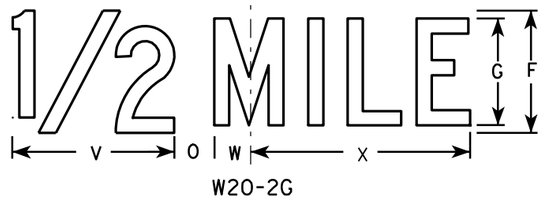
W20-2D



W20-2C



W20-2B



W20-2G

W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

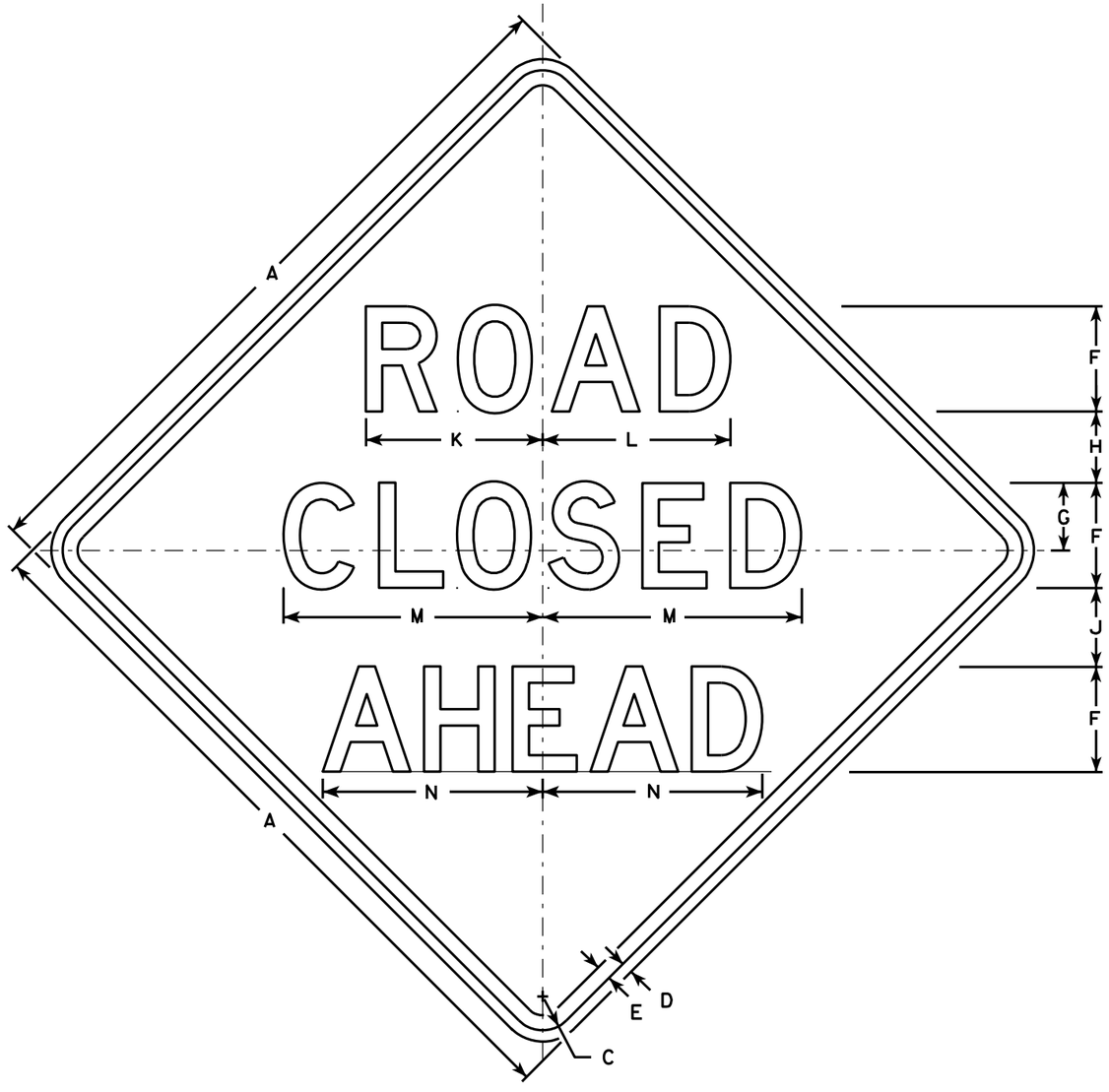
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

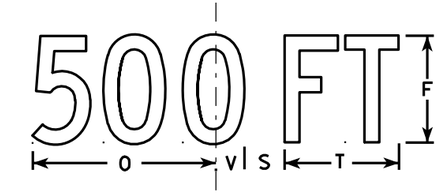
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

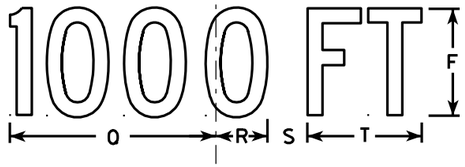
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 326 | E



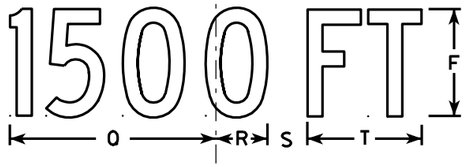
W20-3A



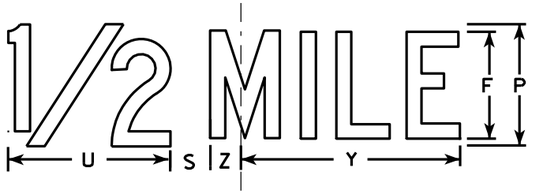
W20-3D



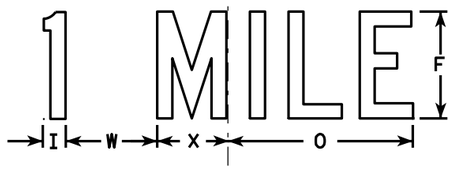
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

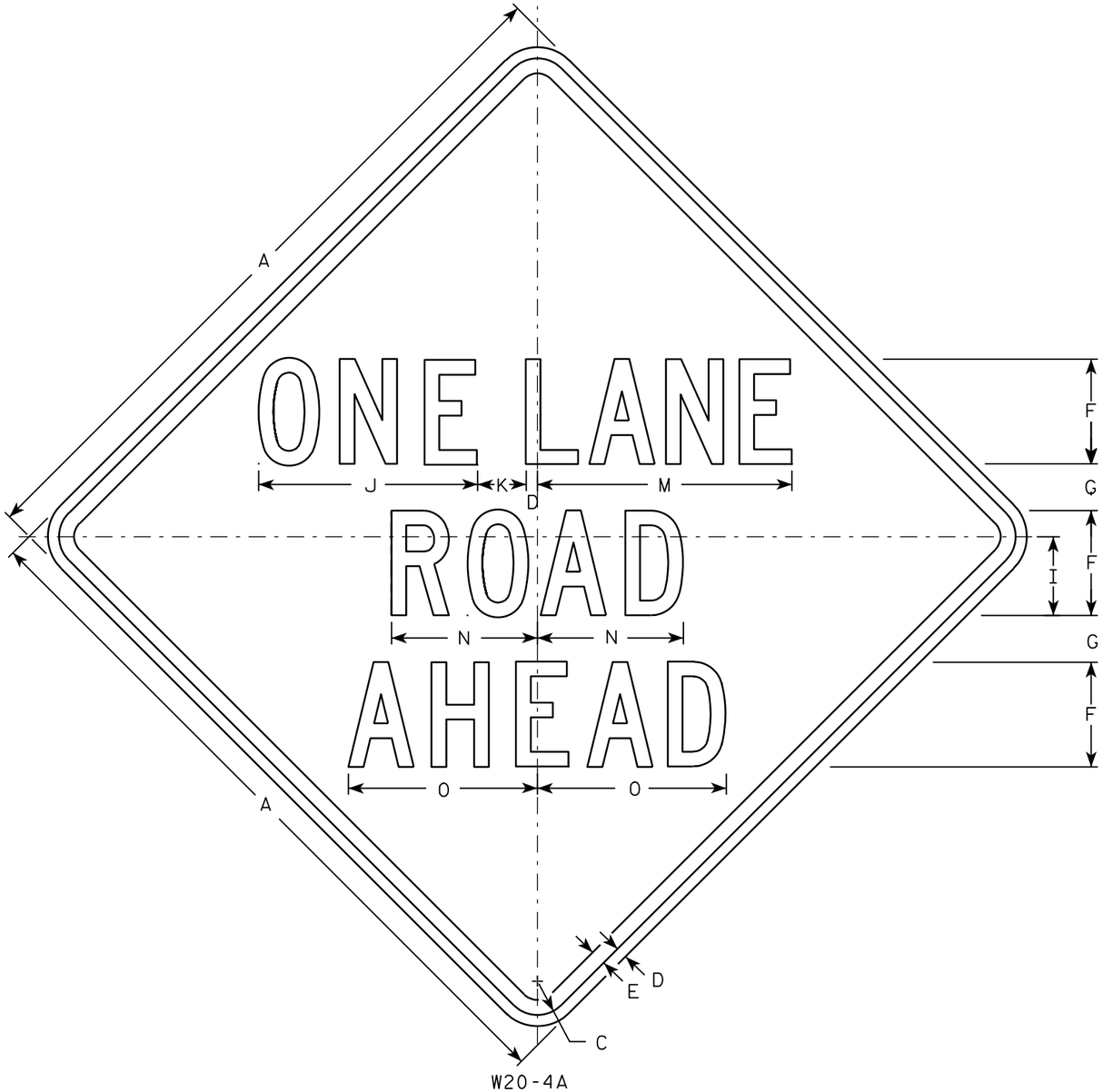
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 327 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN PLOT DATE : 18-MAR-2011 12:08 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000

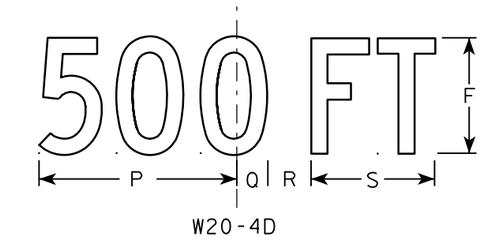
WISDOT/CADDS SHEET 42

7

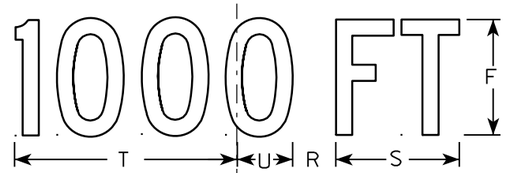
7



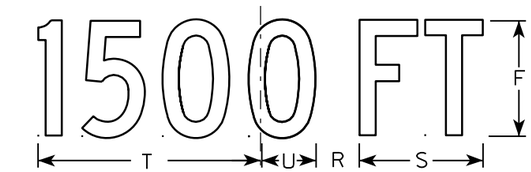
W20-4A



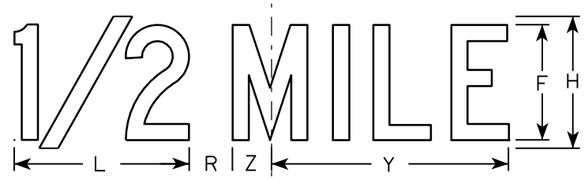
W20-4D



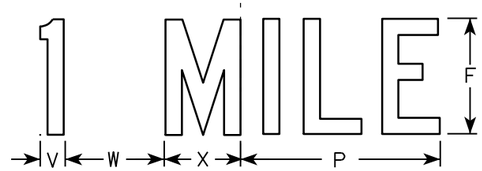
W20-4C



W20-4B



W20-4G



W20-4F

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 3/8	6	3 3/4	10 3/8	2 3/8	8	13 1/2	7	8 7/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-4A, B, C, D, F & G

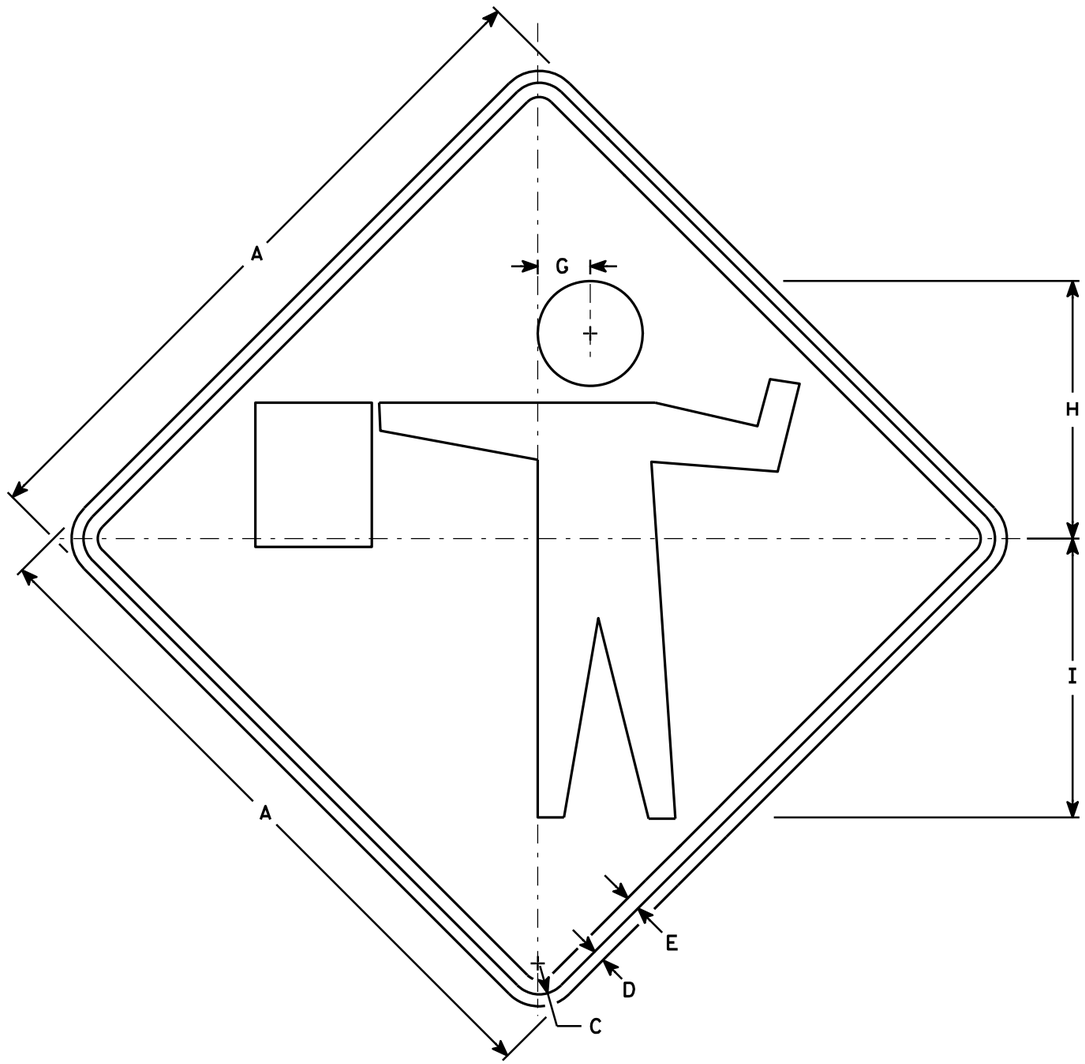
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-4.9

PROJECT NO:

SHEET NO: 328 E



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

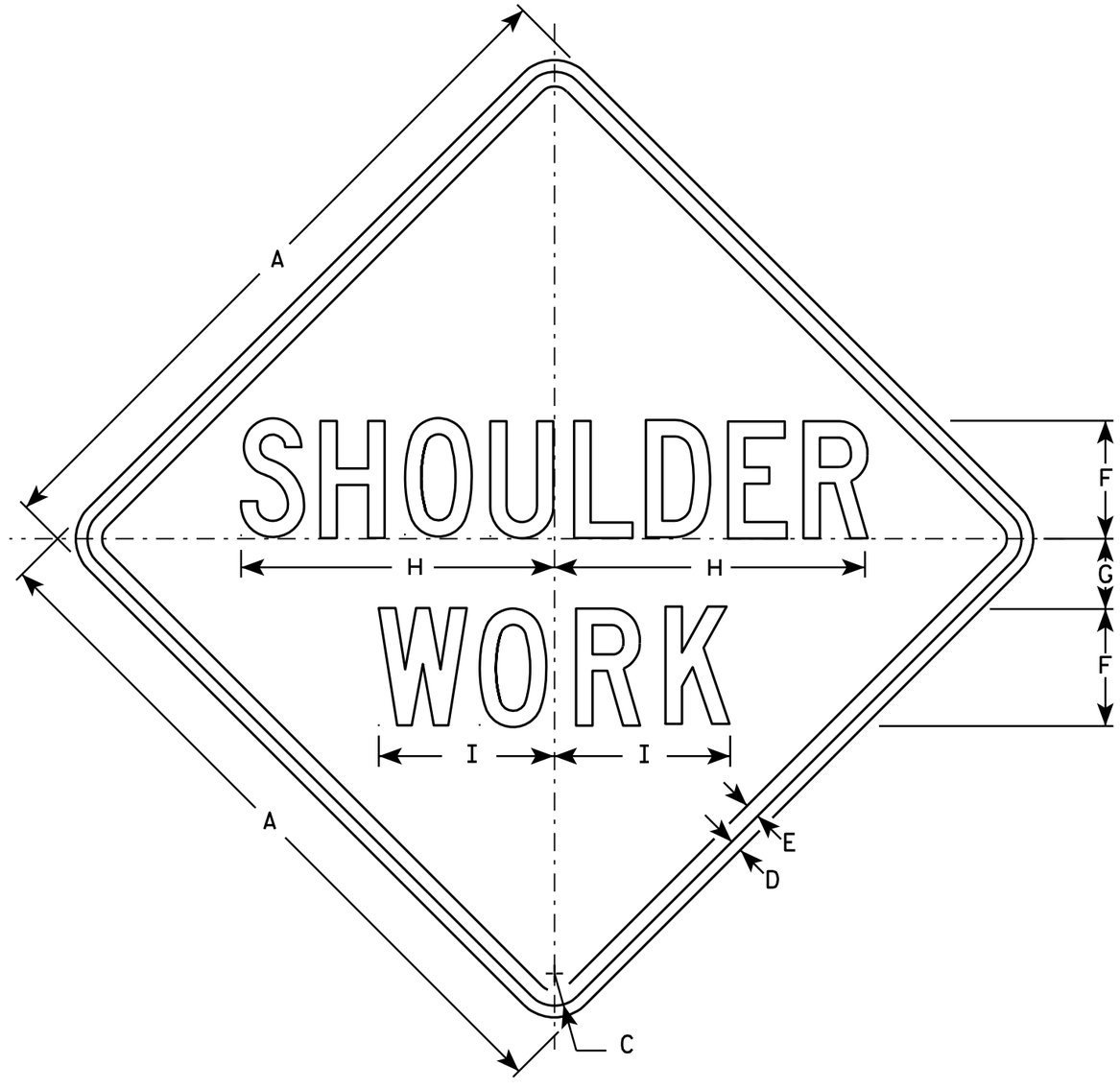
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 329 | 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



W21-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
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		1 1/8	3/8	1/2	4	2 1/2	10 3/4	6																		4.0
2S	30		1 3/8	1/2	5/8	5	3	13 3/8	7 1/2																		6.25
2M	30		1 3/8	1/2	5/8	5	3	13 3/8	7 1/2																		6.25
3	36		1 5/8	5/8	3/4	6	3 1/2	16	9																		9.0
4	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
5	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0

STANDARD SIGN
W21-5

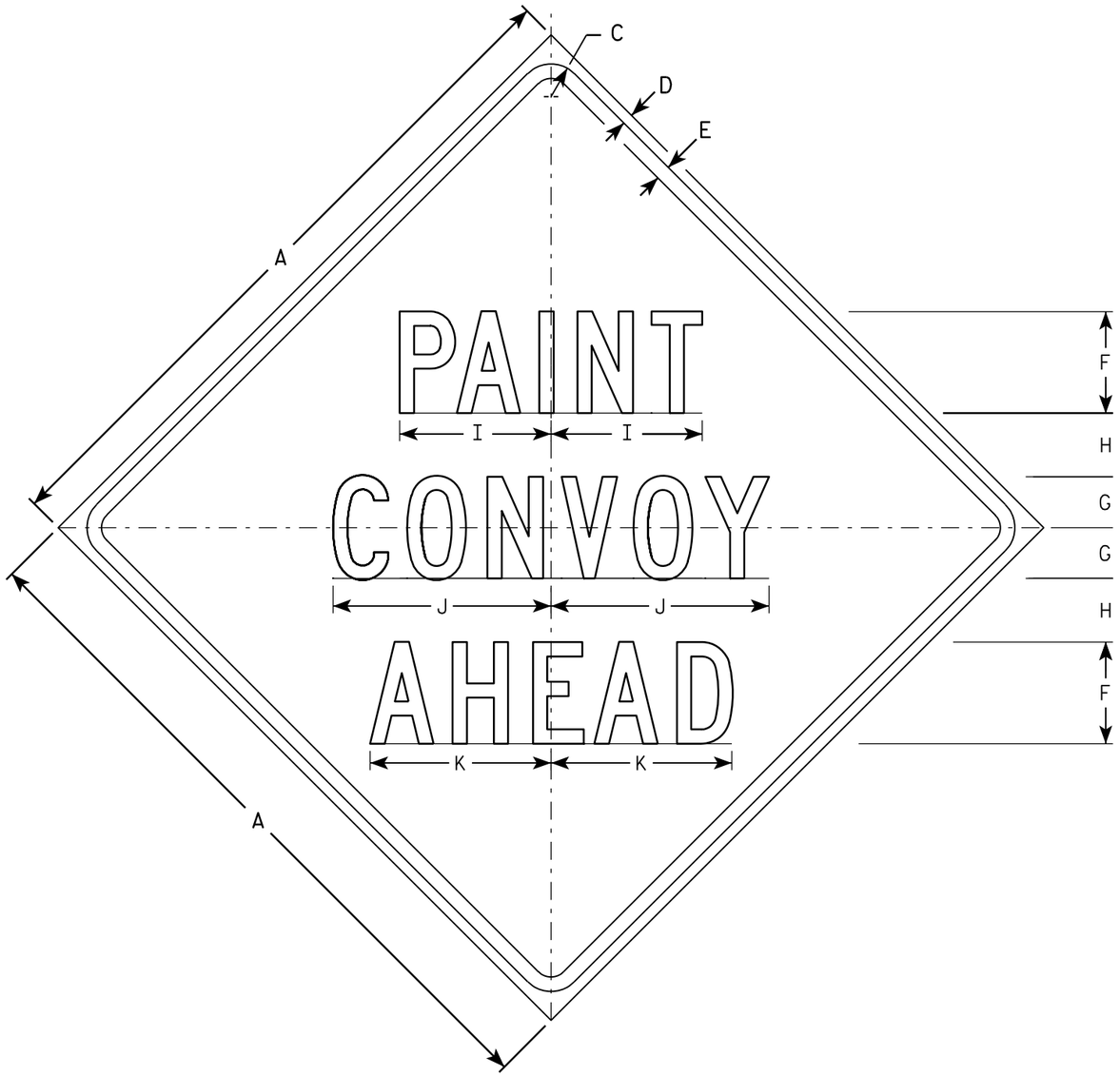
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-5.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 330 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W215.DGN PLOT DATE : 21-MAR-2011 08:01 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.207338:1.000000
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 - 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.

W21-63

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		2 1/4	3/4	1	7	3 1/2	4 1/2	10 3/8	15	12 1/2																16.0
2M	48		2 1/4	3/4	1	7	3 1/2	4 1/2	10 3/8	15	12 1/2																16.0
3	48		2 1/4	3/4	1	7	3 1/2	4 1/2	10 3/8	15	12 1/2																16.0
4	48		2 1/4	3/4	1	7	3 1/2	4 1/2	10 3/8	15	12 1/2																16.0
5	48		2 1/4	3/4	1	7	3 1/2	4 1/2	10 3/8	15	12 1/2																16.0

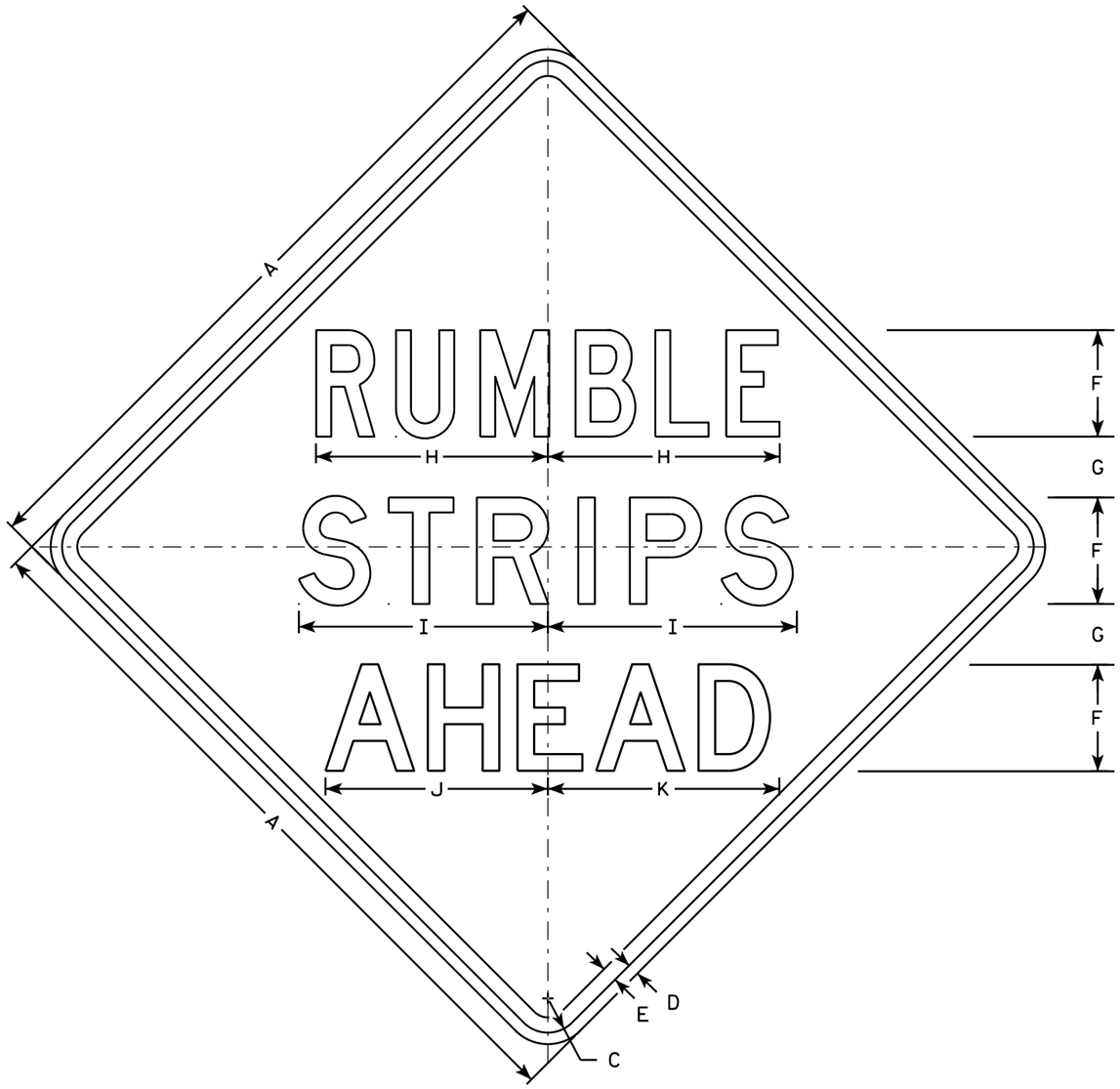
STANDARD SIGN
W21-63

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-63.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 331	E



W21-65

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series C
   Lines 2 and 3 are Series D

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

STANDARD SIGN

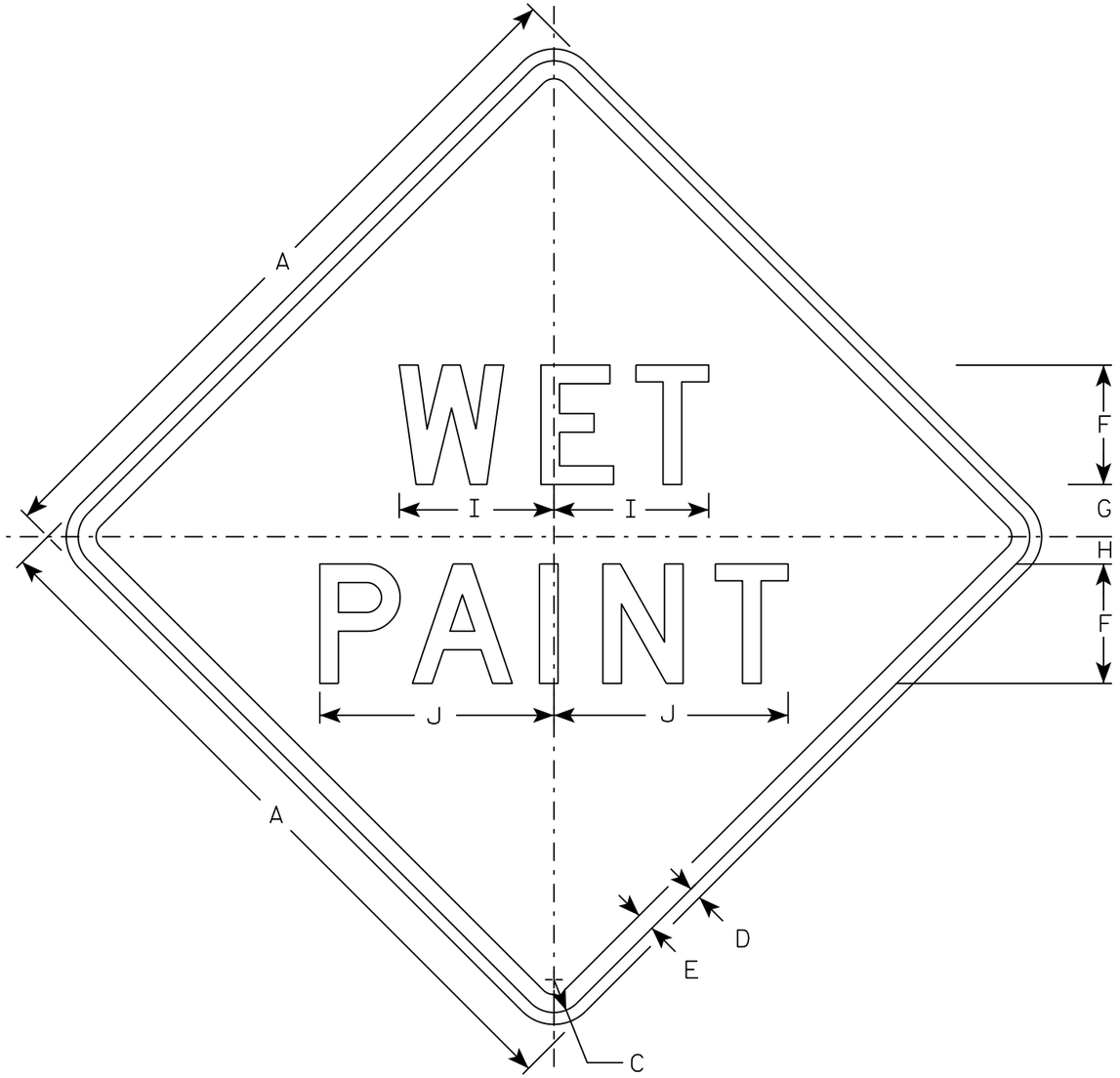
W21-65

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/28/14 PLATE 332 W21-65.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W21-66

NOTES

1. Sign is Type II - Type F Reflective
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 5/8	1 3/8	7 3/4	11 3/4																	9.0
2S	48		2 1/4	3/4	1	8	3	3	10 3/8	15 3/4																	16.0
2M	48		2 1/4	3/4	1	8	3	3	10 3/8	15 3/4																	16.0
3	48		2 1/4	3/4	1	8	3	3	10 3/8	15 3/4																	16.0
4	48		2 1/4	3/4	1	8	3	3	10 3/8	15 3/4																	16.0
5	48		2 1/4	3/4	1	8	3	3	10 3/8	15 3/4																	16.0

STANDARD SIGN
W21-66

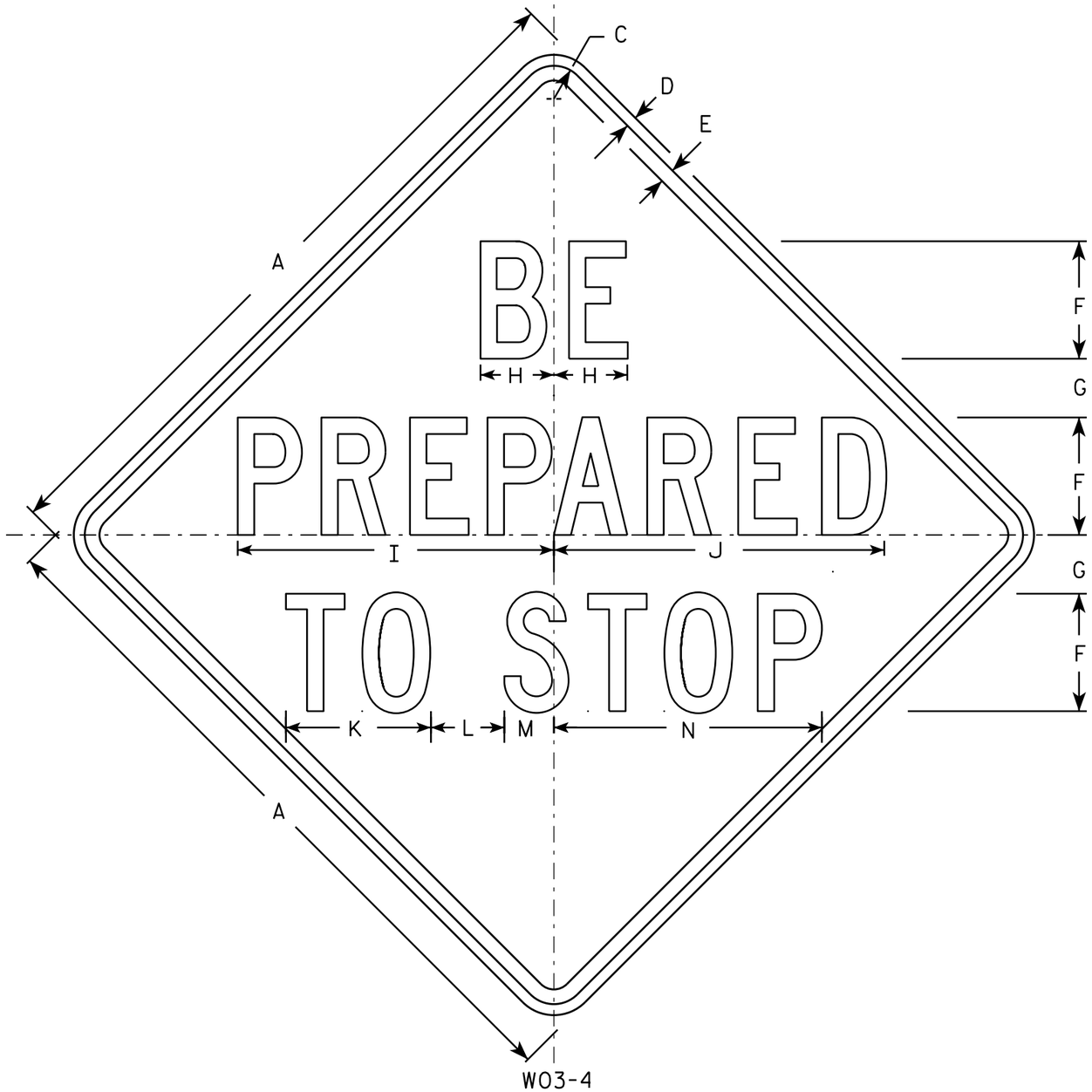
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/19/18 PLATE NO. W21-66.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 333 E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W2166.DGN PLOT DATE : 19-MAR-2018 14:55 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 7.437779:1.000000 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 - 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	6	2 1/2	3 3/4	15 7/8	16 7/8	7 3/8	4	2 3/8	13 3/4													9.0
2S	48		2 1/4	3/4	1	8	4	5	21 1/2	22 1/2	9 7/8	5	3 3/8	18 1/4													16.0
2M	48		2 1/4	3/4	1	8	4	5	21 1/2	22 1/2	9 7/8	5	3 3/8	18 1/4													16.0
3	48		2 1/4	3/4	1	8	4	5	21 1/2	22 1/2	9 7/8	5	3 3/8	18 1/4													16.0
4	48		2 1/4	3/4	1	8	4	5	21 1/2	22 1/2	9 7/8	5	3 3/8	18 1/4													16.0
5	48		2 1/4	3/4	1	8	4	5	21 1/2	22 1/2	9 7/8	5	3 3/8	18 1/4													16.0

STANDARD SIGN
W03-4

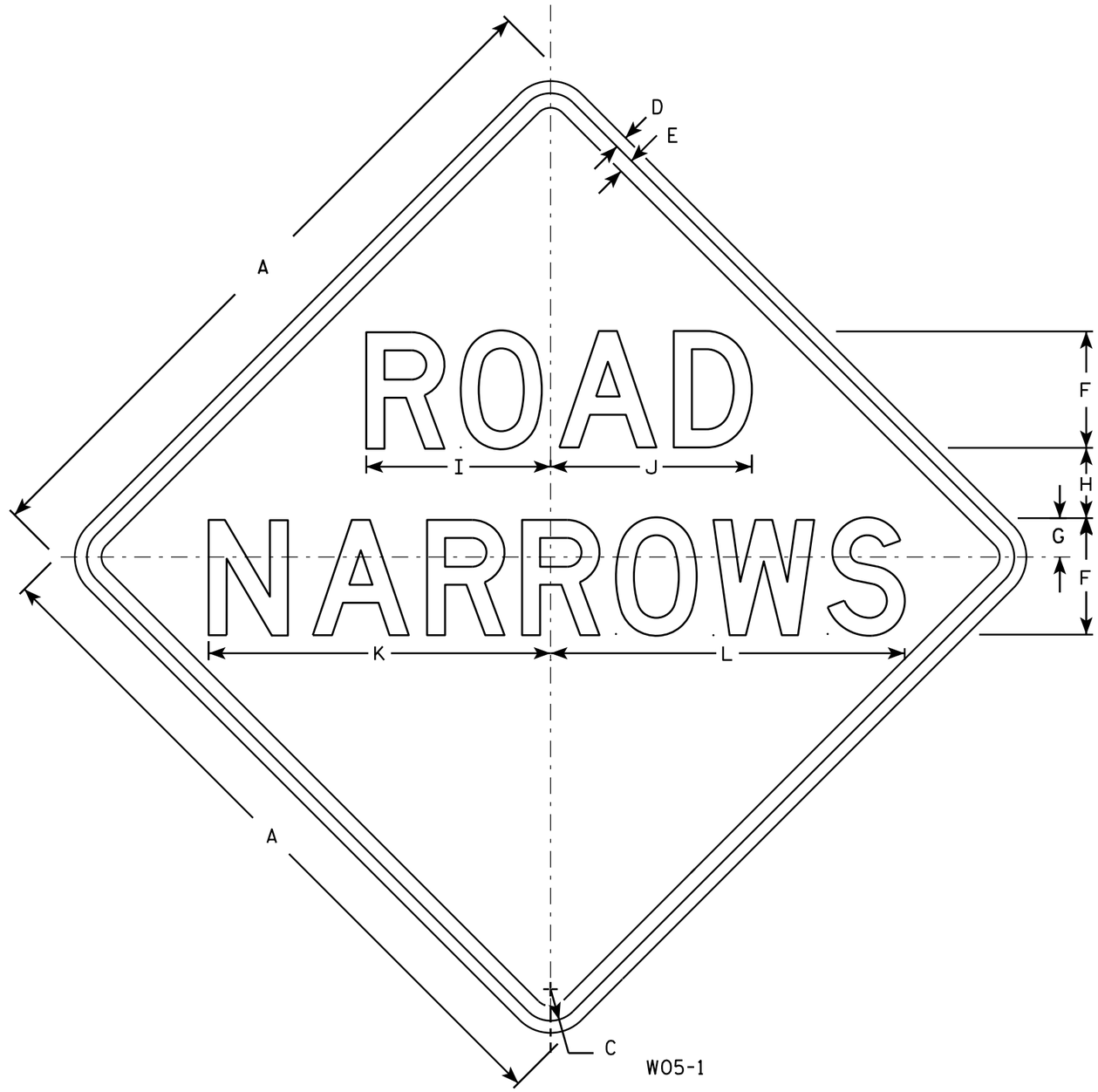
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/02/13 PLATE NO. W03-4.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W034.DGN PLOT DATE : 02-DEC-2013 14:02 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 8.999518:1.000000
WISDOT/CADDS SHEET 42



W05-1

NOTES

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

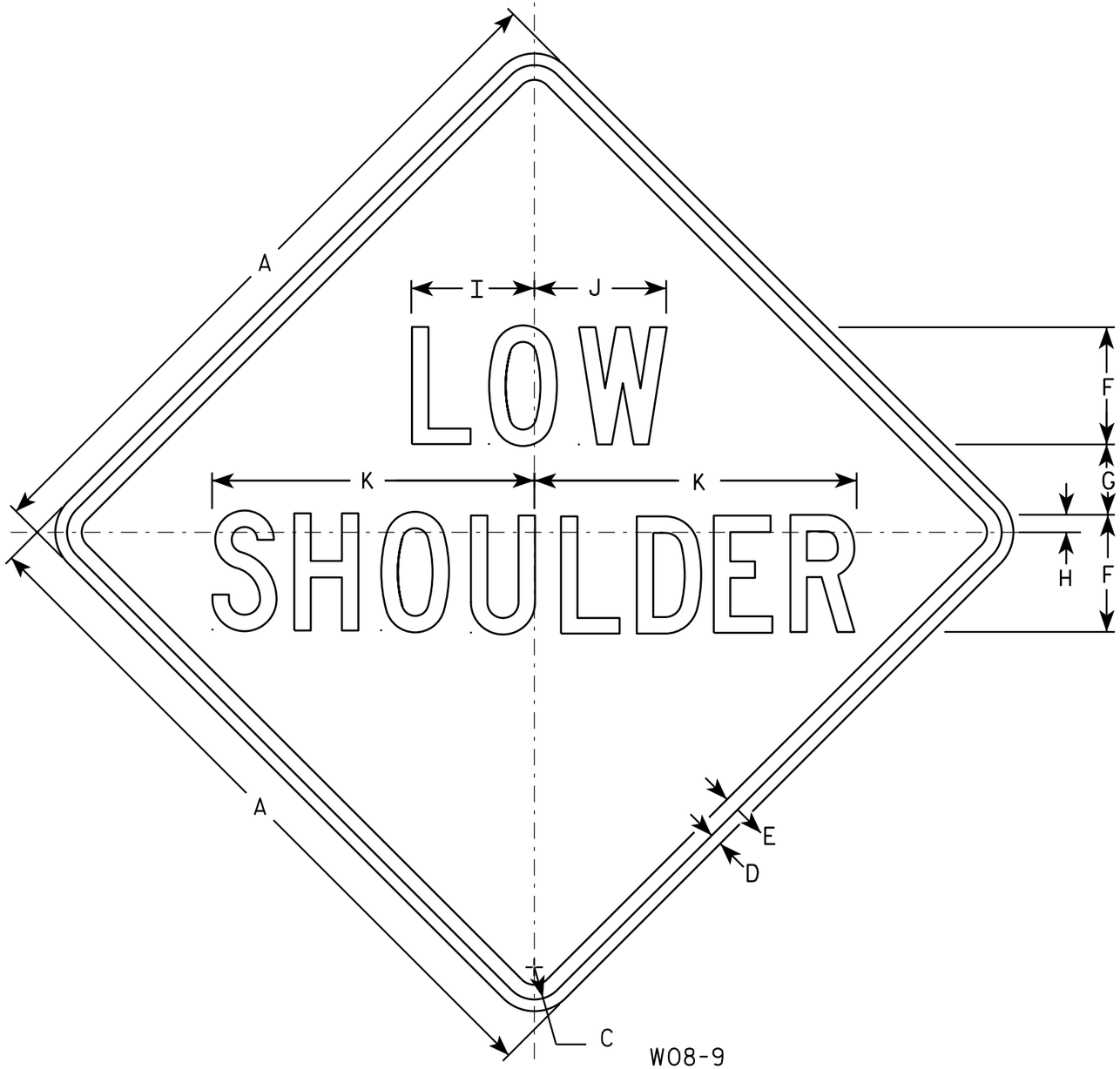
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W051.DGN PLOT DATE : 20-NOV-2013 11:56 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.810445:1.000000
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 - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	3 1/2	1	6 1/4	6 3/4	16 1/2																9.0
2S	48		2 1/4	3/4	1	8	5	1 1/4	8 1/4	9	21 7/8																16.0
2M	48		2 1/4	3/4	1	8	5	1 1/4	8 1/4	9	21 7/8																16.0
3	48		2 1/4	3/4	1	8	5	1 1/4	8 1/4	9	21 7/8																16.0
4	48		2 1/4	3/4	1	8	5	1 1/4	8 1/4	9	21 7/8																16.0
5	48		2 1/4	3/4	1	8	5	1 1/4	8 1/4	9	21 7/8																16.0

STANDARD SIGN
W08-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE W08-9.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W089.DGN PLOT DATE : 20-NOV-2013 14:06 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.755110:1.000000
WISDOT/CADDS SHEET 42

STH 59 (STAGE 1)

STATION	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)		
		Cut	Salvaged / Unusable Pavement Material	Fill	Petroleum Contaminated Soil	Unusable Select Material Excavation	Cut Note 1	Salvaged / Unusable Pavement Material Note 2	Fill	Petroleum Contaminated Soil Note 3	Unusable Select Material Excavation Note 4	Cut 1.00 Note 1	Expanded Fill 1.20	Mass Ordinate Note 8
102+75	0.00	172.80	35.67	2.67	50.51	72.35	0	0	0	0	0	0	0	0
102+90	15.00	192.76	35.67	0.17	50.74	71.35	102	20	1	28	40	102	1	13
102+95	5.00	176.13	35.67	0.37	50.43	70.59	34	7	0	9	13	136	1	18
103+00	5.00	175.20	35.67	0.78	50.04	70.04	33	7	0	9	13	168	1	21
103+10	10.00	175.20	35.67	0.78	50.04	70.04	65	13	0	19	26	233	1	28
103+10.1	0.10	175.20	35.67	0.78	0.00	118.69	1	0	0	0	0	234	1	28
103+20	9.90	164.13	35.67	1.44	0.00	115.69	62	13	0	0	43	296	2	34
103+25	5.00	161.88	35.67	0.85	0.00	115.37	30	7	0	0	21	326	2	36
103+50	25.00	173.43	35.67	0.42	0.00	115.32	155	33	1	0	107	481	3	50
103+75	25.00	161.25	35.67	0.68	0.00	114.13	155	33	1	0	106	636	4	66
103+79.9	4.90	161.25	35.67	0.68	0.00	114.13	29	6	0	0	21	666	4	67
103+80	0.10	161.25	35.67	0.68	20.22	94.78	1	0	0	0	0	666	4	67
104+00	20.00	157.85	35.67	1.52	20.22	92.91	118	26	1	15	70	784	5	74
104+10	10.00	157.85	35.67	1.52	20.22	92.91	58	13	1	7	34	843	5	76
104+10.1	0.10	157.85	35.67	1.52	0.00	112.26	1	0	0	0	0	843	5	76
104+25	14.90	167.11	35.67	1.17	0.00	111.30	90	20	1	0	62	933	6	84
104+40	15.00	165.81	35.67	1.82	0.00	110.44	92	20	1	0	62	1,026	7	94
104+50	10.00	165.64	35.67	1.51	0.00	109.35	61	13	1	0	41	1,087	8	101
104+60	10.00	153.25	35.67	2.90	0.00	108.12	59	13	1	0	40	1,146	9	105
104+75	15.00	152.24	35.67	3.41	0.00	106.70	85	20	2	0	60	1,231	11	109
105+00	25.00	151.31	35.67	2.79	0.00	105.80	141	33	3	0	98	1,371	14	114
105+25	25.00	151.67	35.67	2.48	0.00	106.42	140	33	2	0	98	1,512	17	120
105+39.9	14.90	151.67	35.67	2.48	0.00	106.42	84	20	1	0	59	1,595	19	124
105+40	0.10	151.67	35.67	2.48	20.81	89.16	1	0	0	0	0	1,596	19	124
105+50	10.00	155.36	35.67	1.03	20.81	89.16	57	7	1	8	22	1,653	20	143
							1,653	357	17	96	1,037			

Notes:	
1 - Cut	Cut includes Salvaged / Unusable Pavement material.
2 - Salvaged / Unusable Pavement Material	This does not show up in cross sections.
3 - Petrolium Contaminated Soil	Material excavated under item 205.0501.S
4 - Unusable Select Material Excavation	Material Excavated for Select Materials in Subgrade is to be wasted off site.
8 - Mass Ordinate	Cut - Unusable Pavement Exc - Unusable Select Material Exc - Petrolium Contaminated Soil - (Fill * Fill Factor)

STH 59 (STAGE 2)

STATION	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)		
		Cut	Salvaged / Unusable Pavement Material	Fill	Petroleum Contaminated Soil	Unusable Select Material Excavation	Cut Note 1	Salvaged / Unusable Pavement Material Note 2	Fill	Petroleum Contaminated Soil Note 3	Unusable Select Material Excavation Note 4	Cut 1.00 Note 1	Expanded Fill 1.20	Mass Ordinate Note 8
105+50	0.00	155.36	35.67	1.03	20.81	89.16	0	0	0	0	0	0	0	0
105+65	15.00	158.20	35.67	1.42	20.81	92.46	87	20	1	12	50	87	1	4
105+65.1	0.10	158.20	35.67	1.42	0.00	112.39	1	0	0	0	0	88	1	4
105+75	9.90	158.20	35.67	1.42	0.00	112.39	58	13	1	0	41	146	1	8
106+00	25.00	175.87	35.67	1.42	0.00	120.06	155	33	1	0	108	300	3	20
106+04.12	4.12	177.05	35.67	2.45	0.00	120.50	27	5	0	0	18	327	3	23
106+10	5.88	178.70	35.67	0.99	0.00	121.68	39	8	0	0	26	366	4	27
106+15	5.00	183.96	35.8	0.99	0.00	125.10	34	7	0	0	23	400	4	31
106+20	5.00	176.42	37.0	1.43	0.00	124.95	33	7	0	0	23	433	4	34
106+25	5.00	183.08	38.8	0.00	0.00	132.32	33	7	0	0	24	466	4	36
106+30	5.00	172.12	35.7	0.00	0.00	124.42	33	7	0	0	24	499	4	39
106+35	5.00	158.77	32.3	0.00	0.00	115.91	31	6	0	0	22	530	4	41
106+38.8	3.80	144.44	28.8	0.00	0.00	106.69	21	4	0	0	16	551	4	42
106+40	1.20	144.70	28.8	0.00	0.00	106.92	6	1	0	0	5	558	4	42
106+45	5.00	131.29	25.4	0.00	0.00	96.78	26	5	0	0	19	583	4	44
106+50	5.00	137.70	26.6	0.00	0.00	101.77	25	5	0	0	18	608	4	46
106+55	5.00	151.32	29.8	0.00	0.00	112.08	27	5	0	0	20	635	4	48
106+60	5.00	163.58	32.9	0.00	0.00	121.13	29	6	0	0	22	664	4	49
106+65	5.00	176.21	36.0	0.00	0.00	130.61	31	6	0	0	23	695	4	51
106+70	5.00	188.84	37.7	0.00	0.00	140.00	34	7	0	0	25	729	4	53
106+75	5.00	183.44	37.2	0.94	0.00	134.19	34	7	0	0	25	764	5	55
106+80	5.00	178.29	35.9	0.95	0.00	130.11	33	7	0	0	24	797	5	57
106+85	5.00	173.64	35.7	3.15	0.00	126.66	33	7	0	0	24	830	5	59
106+87.01	2.01	170.83	35.67	0.00	0.00	126.12	13	3	0	0	9	843	5	59
107+00	12.99	168.71	35.67	3.53	0.00	123.53	82	17	1	0	60	924	6	63
107+25	25.00	164.45	35.67	1.95	0.00	119.58	154	33	3	0	113	1,078	9	68
107+50	25.00	162.00	35.67	2.21	0.00	116.64	151	33	2	0	109	1,230	12	75
107+62.14	12.14	159.52	35.67	1.67	0.00	114.08	72	16	1	0	52	1,302	13	78
107+75	12.86	157.00	35.67	1.68	0.00	112.07	75	17	1	0	54	1,377	14	82
108+00	25.00	158.59	35.67	4.10	0.00	112.23	146	33	3	0	104	1,523	17	88
108+11.47	11.47	161.64	35.67	3.25	0.00	111.41	68	15	2	0	48	1,591	19	91
108+25	13.53	158.23	35.67	2.35	0.00	107.90	80	18	1	0	55	1,672	21	97
108+50	25.00	149.21	35.67	1.88	0.00	104.83	142	33	2	0	98	1,814	23	105
108+57.24	7.24	149.17	35.67	1.66	0.00	105.65	40	10	0	0	28	1,854	23	107
108+75	17.76	153.06	35.67	1.20	0.00	108.52	99	23	1	0	70	1,953	25	111
109+00	25.00	159.34	35.67	1.53	0.00	113.28	145	33	1	0	103	2,098	26	119
109+25	25.00	192.36	35.67	0.00	0.00	121.90	163	33	1	0	109	2,261	27	139
109+50	25.00	176.37	35.67	0.00	0.00	126.41	171	33	0	0	115	2,431	27	162
109+75	25.00	180.98	35.67	0.00	0.00	131.61	165	33	0	0	119	2,597	27	175
109+81.79	6.79	181.79	35.67	0.00	0.00	133.64	46	9	0	0	33	2,642	27	178
109+84.9	3.11	181.79	35.67	0.00	0.00	133.64	21	4	0	0	15	2,663	27	179
109+85	0.10	181.79	35.67	0.00	83.11	54.58	1	0	0	0	0	2,664	27	179
110+00	15.00	203.52	35.67	0.00	83.11	57.48	107	20	0	46	31	2,771	27	189
110+25	25.00	181.53	35.67	0.00	78.31	54.72	178	33	0	75	52	2,949	27	208
110+38.66	13.66	176.01	35.67	0.09	74.85	53.50	90	18	0	39	27	3,040	27	214
110+50	11.34	182.35	35.67	0.61	73.80	54.06	75	15	0	31	23	3,115	27	220
110+75	25.00	171.81	35.67	0.18	69.82	48.51	164	33	0	66	47	3,279	28	237

Notes:	
1 - Cut	Cut includes Salvaged / Unusable Pavement material.
2 - Salvaged / Unusable Pavement Material	This does not show up in cross sections.
3 - Petrolium Contaminated Soil	Material excavated under item 205.0501.S
4 - Unusable Select Material Excavation	Material Excavated for Select Materials in Subgrade is to be wasted off site.
8 - Mass Ordinate	Cut - Unusable Pavement Exc - Unusable Select Material Exc - Petrolium Contaminated Soil - (Fill * Fill Factor)

STH 59 (STAGE 2)

STATION	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)		
		Cut	Salvaged / Unusable Pavement Material	Fill	Petroleum Contaminated Soil	Unusable Select Material Excavation	Cut Note 1	Salvaged / Unusable Pavement Material Note 2	Fill	Petroleum Contaminated Soil Note 3	Unusable Select Material Excavation Note 4	Cut 1.00 Note 1	Expanded Fill 1.20	Mass Ordinate Note 8
110+91.16	16.16	165.52	35.67	0.39	65.22	46.61	101	21	0	40	28	3,380	28	247
110+97.14	5.98	163.04	35.67	0.54	63.52	46.12	36	8	0	14	10	3,416	28	251
111+00	2.86	161.94	35.67	0.88	62.80	45.94	17	4	0	7	5	3,434	28	253
111+06.34	6.34	159.54	35.67	1.35	61.36	45.51	38	8	0	15	11	3,471	28	257
111+10	3.66	158.25	35.67	1.37	60.49	45.39	22	5	0	8	6	3,493	29	259
111+25	15.00	151.60	35.67	1.26	56.66	43.23	86	20	1	33	25	3,579	29	267
111+42.14	17.14	156.08	35.67	1.40	54.27	41.03	98	23	1	35	27	3,677	30	279
111+50	7.86	148.18	35.67	1.66	53.76	41.00	44	10	0	16	12	3,721	31	285
111+73.9	23.90	134.20	35.7	0.33	53.57	39.97	125	32	1	47	36	3,846	32	294
111+75	1.10	150.73	35.7	0.56	53.64	39.86	6	1	0	2	2	3,852	32	294
111+80	5.00	152.09	35.7	0.52	53.85	42.09	28	7	0	10	8	3,880	32	298
111+85	5.00	157.04	36.7	0.70	54.29	46.18	29	7	0	10	8	3,908	32	302
111+87.14	2.14	157.81	38.7	0.80	54.54	48.89	12	3	0	4	4	3,921	32	303
111+90	2.86	164.68	38.7	0.99	54.92	53.82	17	4	0	6	5	3,938	32	305
111+90.1	0.10	164.68	38.7	0.99	90.50	18.44	1	0	0	0	0	3,939	32	305
111+95	4.90	166.09	40.0	0.92	91.79	19.29	30	7	0	17	3	3,969	33	307
112+00	5.00	156.98	37.3	0.22	86.36	18.05	30	7	0	16	3	3,998	33	310
112+05	5.00	148.73	34.8	0.00	81.48	16.83	28	7	0	16	3	4,027	33	313
112+10	5.00	141.54	32.4	0.00	77.14	15.60	27	6	0	15	3	4,054	33	316
112+15	5.00	122.44	30.0	0.35	73.22	14.39	24	6	0	14	3	4,078	33	318
112+20	5.00	112.61	27.5	0.51	67.93	13.17	22	5	0	13	3	4,100	33	318
112+25	5.00	102.54	25.1	0.80	62.42	11.96	20	5	0	12	2	4,120	33	319
112+30	5.00	116.10	28.5	0.78	70.82	13.68	20	5	0	12	2	4,140	33	319
112+35	5.00	132.16	32.5	0.72	80.75	15.67	23	6	0	14	3	4,163	33	320
112+40	5.00	149.47	36.7	0.61	91.87	17.67	26	6	0	16	3	4,189	34	320
112+45	5.00	156.00	36.6	0.44	96.72	17.18	28	7	0	17	3	4,217	34	321
112+50	5.00	156.47	35.7	0.42	94.82	16.68	29	7	0	18	3	4,246	34	322
112+55	5.00	155.84	35.7	0.32	95.07	16.46	29	7	0	18	3	4,275	34	324
112+57.1	2.10	156.09	35.7	0.19	95.42	16.42	12	3	0	7	1	4,287	34	324
112+75	17.90	158.65	35.7	0.96	99.26	16.24	104	24	0	65	11	4,392	34	329
112+86.64	11.64	169.70	35.7	0.47	101.27	16.23	71	15	0	43	7	4,462	35	334
112+90	3.36	171.41	35.7	0.04	102.36	16.21	21	4	0	13	2	4,484	35	336
112+95	5.00	180.28	35.7	0.01	106.22	16.29	33	7	0	19	3	4,516	35	340
113+00	5.00	186.74	35.7	-0.04	112.53	16.62	34	7	0	20	3	4,550	35	344
113+05	5.00	186.12	37.0	0.53	121.06	17.48	35	7	0	22	3	4,585	35	347
113+10	5.00	168.80	35.7	0.42	110.46	17.28	33	7	0	21	3	4,618	35	348
113+15	5.00	149.17	31.5	0.05	96.89	15.45	29	6	0	19	3	4,647	35	349
113+20	5.00	129.80	27.3	0.00	83.51	13.69	26	5	0	17	3	4,673	35	350
113+25	5.00	124.45	26.0	0.00	80.12	13.08	24	5	0	15	2	4,696	35	351
113+30	5.00	138.33	28.6	0.00	90.26	14.28	24	5	0	16	3	4,721	35	352
113+35	5.00	153.24	31.1	0.00	101.08	15.81	27	6	0	18	3	4,748	35	353
113+40	5.00	168.38	33.7	0.00	112.14	17.34	30	6	0	20	3	4,778	35	354
113+45	5.00	183.51	36.3	0.00	123.18	18.87	33	6	0	22	3	4,810	35	355
113+50	5.00	197.83	38.8	0.00	133.41	20.38	35	7	0	24	4	4,845	35	356
113+55	5.00	211.79	39.6	0.00	140.73	20.82	38	7	0	25	4	4,883	35	357
113+60	5.00	210.99	37.2	0.00	129.45	19.61	39	7	0	25	4	4,922	35	361
113+65	5.00	204.47	35.7	0.00	123.08	18.86	38	7	0	23	4	4,961	35	365

Notes:	
1 - Cut	Cut includes Salvaged / Unusable Pavement material.
2 - Salvaged / Unusable Pavement Material	This does not show up in cross sections.
3 - Petrolium Contaminated Soil	Material excavated under item 205.0501.S
4 - Unusable Select Material Excavation	Material Excavated for Select Materials in Subgrade is to be wasted off site.
8 - Mass Ordinate	Cut - Unusable Pavement Exc - Unusable Select Material Exc - Petrolium Contaminated Soil - (Fill * Fill Factor)

STH 59 (STAGE 2)

STATION	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)		
		Cut	Salvaged / Unusable Pavement Material	Fill	Petroleum Contaminated Soil	Unusable Select Material Excavation	Cut Note 1	Salvaged / Unusable Pavement Material Note 2	Fill	Petroleum Contaminated Soil Note 3	Unusable Select Material Excavation Note 4	Cut 1.00 Note 1	Expanded Fill 1.20	Mass Ordinate Note 8
113+70	5.00	206.21	35.7	0.00	119.78	22.59	38	7	0	22	4	4,999	35	371
113+72.36	2.36	203.61	35.67	0.00	118.91	22.42	18	3	0	10	2	5,017	35	373
113+75	2.64	203.66	35.67	0.00	118.67	22.22	20	3	0	12	2	5,037	35	376
113+90	15.00	184.91	35.67	0.15	118.54	16.59	108	20	0	66	11	5,145	35	387
114+00	10.00	182.90	35.67	0.54	116.86	16.41	68	13	0	44	6	5,213	35	392
114+00.1	0.10	182.90	35.67	0.54	0.00	128.90	1	0	0	0	0	5,214	35	392
114+17.1	17.00	180.20	35.67	0.38	0.00	127.12	114	22	0	0	81	5,328	36	403
114+25	7.90	179.50	35.67	0.03	0.00	126.66	53	10	0	0	37	5,380	36	408
114+49.9	24.90	178.73	35.67	0.06	0.00	127.73	165	33	0	0	117	5,546	36	423
114+50	0.10	178.73	35.67	0.06	37.08	92.78	1	0	0	0	0	5,546	36	423
114+75	25.00	183.70	35.67	0.45	34.18	94.76	168	33	0	33	87	5,714	36	438
114+75.1	0.10	183.70	35.67	0.45	0.00	127.39	1	0	0	0	0	5,715	36	438
115+00	24.90	187.57	35.67	0.19	0.00	126.68	171	33	0	0	117	5,886	36	458
115+25	25.00	177.60	35.67	0.35	0.00	129.32	169	33	0	0	119	6,055	37	476
115+39.9	14.90	177.03	35.67	0.41	0.00	129.00	98	20	0	0	71	6,153	37	482
115+40	0.10	177.03	35.67	0.41	37.64	93.74	1	0	0	0	0	6,154	37	482
115+50	10.00	177.03	35.67	0.41	37.64	93.74	66	13	0	14	35	6,219	37	486
115+75	25.00	179.94	35.67	0.76	39.94	94.85	165	33	1	36	87	6,384	38	494
115+91.12	16.12	198.82	35.67	0.87	40.26	100.18	113	21	0	24	58	6,497	38	503
116+00	8.88	199.78	35.67	0.61	41.14	100.32	66	12	0	13	33	6,563	39	510
116+25	25.00	185.13	35.67	0.78	42.29	98.35	178	33	1	39	92	6,741	39	524
116+49.9	24.90	185.99	35.67	0.93	44.76	96.53	171	33	1	40	90	6,912	40	531
116+50	0.10	185.99	35.67	0.93	52.39	86.75	1	0	0	0	0	6,913	40	532
116+75	25.00	187.24	35.67	2.68	53.11	87.45	173	33	2	49	81	7,086	42	540
116+83.62	8.62	187.74	35.67	32.32	52.54	88.93	60	11	6	17	28	7,146	49	537
116+85	1.38	187.79	35.67	49.93	52.51	89.14	10	2	2	3	5	7,155	52	535
117+00	15.00	208.26	35.67	1.82	52.61	96.69	110	20	14	29	52	7,265	69	527
117+10	10.00	208.26	35.67	1.82	52.61	94.36	77	13	1	19	35	7,342	70	535
117+10.1	0.10	208.26	35.67	1.82	124.44	25.58	1	0	0	0	0	7,343	70	535
117+15.02	4.92	203.79	35.67	0.37	124.44	25.58	38	7	0	23	5	7,381	70	538
117+25	9.98	198.52	35.67	0.36	121.71	23.07	74	13	0	45	9	7,455	70	545
117+50	25.00	178.38	35.67	1.45	114.77	19.72	174	33	1	109	20	7,630	71	556
117+52.02	2.02	177.36	35.67	1.39	114.03	19.41	13	3	0	9	1	7,643	71	557
117+75	22.98	175.14	35.67	1.15	102.82	16.91	150	30	1	92	15	7,793	72	567
117+88.52	13.52	167.92	35.67	2.97	96.73	16.36	86	18	1	50	8	7,879	74	576
118+00	11.48	164.92	35.67	2.87	94.46	16.31	71	15	1	41	7	7,950	75	582
118+00.69	0.69	164.72	35.67	3.13	94.32	16.30	4	1	0	2	0	7,954	75	583
118+15	14.31	146.68	35.67	3.37	94.32	13.11	83	19	2	50	8	8,036	77	586
118+15.1	0.10	146.68	35.67	3.37	0.00	106.23	1	0	0	0	0	8,037	77	586
118+25	9.90	146.68	35.67	3.37	0.00	106.23	54	13	1	0	39	8,091	79	587
118+25.02	0.02	146.69	35.67	3.37	0.00	106.23	0	0	0	0	0	8,091	79	587
118+50	24.98	145.26	35.67	3.91	0.00	105.56	135	33	3	0	98	8,226	83	587
118+75	25.00	151.36	35.67	3.58	0.00	101.45	137	33	3	0	96	8,363	87	591
119+00	25.00	132.97	42.2	21.66	0.00	95.53	132	36	12	0	91	8,495	101	581
119+10.42	10.42	129.74	39.8	5.17	0.00	95.28	51	16	5	0	37	8,545	107	573
119+11.47	1.04	130.51	39.8	1.71	0.00	95.31	5	2	0	0	4	8,550	107	573
119+25	13.53	130.01	40.0	1.30	0.00	94.67	65	20	1	0	48	8,616	108	570

Notes:	
1 - Cut	Cut includes Salvaged / Unusable Pavement material.
2 - Salvaged / Unusable Pavement Material	This does not show up in cross sections.
3 - Petrolium Contaminated Soil	Material excavated under item 205.0501.S
4 - Unusable Select Material Excavation	Material Excavated for Select Materials in Subgrade is to be wasted off site.
8 - Mass Ordinate	Cut - Unusable Pavement Exc - Unusable Select Material Exc - Petrolium Contaminated Soil - (Fill * Fill Factor)

STH 59 (STAGE 2)

STATION	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)		
		Cut	Salvaged / Unusable Pavement Material	Fill	Petroleum Contaminated Soil	Unusable Select Material Excavation	Cut Note 1	Salvaged / Unusable Pavement Material Note 2	Fill	Petroleum Contaminated Soil Note 3	Unusable Select Material Excavation Note 4	Cut 1.00 Note 1	Expanded Fill 1.20	Mass Ordinate Note 8
119+35.79	10.79	131.12	40.3	2.50	0.00	96.39	52	16	1	0	38	8,668	109	567
119+50	14.21	132.81	37.7	11.47	0.00	97.22	69	21	4	0	51	8,737	114	560
119+58.75	8.75	133.23	35.7	7.27	0.00	97.80	43	12	3	0	32	8,780	117	556
119+75	16.25	143.96	34.93	6.37	0.00	103.55	83	21	4	0	61	8,864	122	553
119+91.24	16.24	162.38	34.93	1.33	0.00	113.26	92	21	2	0	65	8,956	125	556
119+95.25	4.01	160.92	34.93	1.10	0.00	113.93	24	5	0	0	17	8,980	125	558
119+97.91	2.66	160.33	34.93	1.43	0.00	114.47	16	3	0	0	11	8,996	125	559
120+00	2.09	158.59	34.93	2.00	0.00	114.46	12	3	0	0	9	9,008	126	559
120+16.16	16.16	157.64	34.93	3.72	0.00	115.63	95	21	2	0	69	9,103	128	562
120+22.24	6.08	160.47	34.93	4.13	0.00	117.65	36	8	1	0	26	9,139	129	563
120+25	2.76	162.01	34.93	4.09	0.00	118.68	16	4	0	0	12	9,155	129	563
120+31.75	6.75	166.98	34.93	3.36	0.00	122.02	41	9	1	0	30	9,196	130	564
120+50	18.25	185.66	34.93	0.91	0.00	132.80	119	24	1	0	86	9,315	132	572
120+64.86	14.86	43.75	8.67	0.00	0.00	25.00	63	12	0	0	43	9,379	132	579
							9,379	1,988	110	2,041	4,638			

Notes:	
1 - Cut	Cut includes Salvaged / Unusable Pavement material.
2 - Salvaged / Unusable Pavement Material	This does not show up in cross sections.
3 - Petrolium Contaminated Soil	Material excavated under item 205.0501.S
4 - Unusable Select Material Excavation	Material Excavated for Select Materials in Subgrade is to be wasted off site.
8 - Mass Ordinate	Cut - Unusable Pavement Exc - Unusable Select Material Exc - Petrolium Contaminated Soil - (Fill * Fill Factor)

TAFT STREET (STAGE 2)

STATION	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)		
		Cut	Salvaged/Unusable Pavement Material	Fill	Unusable Select Material Excavation	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill	Unusable Select Material Excavation Note 4	Cut 1.00 Note 1	Expanded Fill 1.20	Mass Ordinate Note 8
09+25	0.00	99.17	19.63	0.00	79.53	0	0	0	0	0	0	0
09+28.42	3.42	99.30	19.63	0.00	79.66	13	2	0	10	13	0	0
09+37.5	9.08	90.22	17.72	0.00	72.36	32	6	0	26	44	0	0
09+45	7.50	96.83	18.53	0.15	62.29	26	5	0	19	70	0	2
09+49.79	4.79	95.66	18.55	0.33	71.17	17	3	0	12	87	0	4
09+50	0.21	95.53	18.57	0.47	71.13	1	0	0	1	88	0	4
09+55	5.00	96.01	19.31	6.50	71.73	18	4	1	13	106	1	4
09+60	5.00	105.05	24.61	6.74	77.35	19	4	1	14	125	2	4
09+65	5.00	122.65	28.03	0.00	89.13	21	5	1	15	146	3	4
09+70	5.00	104.24	24.77	0.00	78.41	21	5	0	16	167	3	4
09+75	5.00	75.74	19.03	0.00	56.71	17	4	0	13	183	3	4
09+80	5.00	47.53	12.23	0.00	35.30	11	3	0	9	195	3	4
09+85	5.00	22.88	5.43	0.00	17.46	7	2	0	5	201	3	4
						201	43	3	151			

Notes:	
1 - Cut	Cut includes Salvaged / Unusable Pavement material.
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections.
4 - Unusable Select Material Excavation	Material Excavated for Select Materials in Subgrade is to be wasted off site.
8 - Mass Ordinate	Cut - Unusable Pavement Exc - Unusable Select Material Exc - (Fill * Fill Factor)

WILLARD STREET (STAGE 2)

STATION	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)		
		Cut	Salvaged/Unusable Pavement Material	Fill	Petroleum Contaminated Soil	Unusable Select Material Excavation	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill	Petroleum Contaminated Soil Note 3	Unusable Select Material Excavation Note 4	Cut 1.00 Note 1	Expanded Fill 1.20	Mass Ordinate Note 8
20+15	0.00	20.49	5.31	0.00	12.53	2.65	0	0	0	0	0	0	0	0
20+20	5.00	49.18	12.80	0.00	29.98	6.40	6	2	0	4	1	6	0	0
20+25	5.00	80.35	19.23	0.00	49.92	10.07	12	3	0	7	2	18	0	0
20+30	5.00	98.58	22.04	0.00	61.75	10.48	17	4	0	10	2	35	0	1
20+35	5.00	105.68	23.62	0.00	68.79	11.24	19	4	0	12	2	54	0	1
20+40	5.00	118.10	25.69	0.01	77.71	12.26	21	5	0	14	2	75	0	2
20+45	5.00	127.49	24.24	0.57	84.38	12.15	23	5	0	15	2	97	0	2
20+50	5.00	115.09	22.25	1.75	76.34	10.85	22	4	0	15	2	120	0	3
20+55	5.00	107.85	20.92	0.93	71.08	10.16	21	4	0	14	2	140	1	4
20+60	5.00	103.71	18.67	0.52	68.68	8.87	20	4	0	13	2	160	1	5
20+65	5.00	94.03	17.68	0.00	65.70	8.82	18	3	0	12	2	178	1	6
20+85	20.00	65.18	13.05	0.00	45.60	6.52	59	11	0	41	6	237	1	7
							237	49	1	157	24			

Notes:	
1 - Cut	Cut includes Salvaged / Unusable Pavement material.
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections.
3 - Petrolium Contaminated Soil	Material excavated under item 205.0501.S
4 - Unusable Select Material Excavation	Material Excavated for Select Materials in Subgrade is to be wasted off site.
8 - Mass Ordinate	Cut - Unusable Pavement Exc - Unusable Select Material Exc - Petrolium Contaminated Soil - (Fill * Fill Factor)

RICE STREET (STAGE 2)

STATION	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)		
		Cut	Salvaged/Unusable Pavement Material	Fill	Petroleum Contaminated Soil	Unusable Select Material Excavation	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill	Petroleum Contaminated Soil Note 3	Unusable Select Material Excavation Note 4	Cut 1.00 Note 1	Expanded Fill 1.20	Mass Ordinate Note 8
28+92	0.00	122.36	21.69	0.27	74.58	9.64	0	0	0	0	0	0	0	0
29+00	8.00	120.78	21.69	1.39	73.93	9.66	36	6	0	22	3	36	0	4
29+12.5	12.50	121.47	21.69	1.37	74.27	9.67	56	10	1	34	4	92	1	11
29+25	12.50	117.27	21.69	1.45	78.00	9.65	55	10	1	35	4	147	2	16
29+37.5	12.50	123.82	21.69	0.91	83.09	9.69	56	10	1	37	4	203	2	19
29+39.57	2.07	124.48	21.69	0.41	83.23	9.68	10	2	0	6	1	213	3	20
29+40	0.43	121.16	21.69	0.67	79.50	9.67	2	0	0	1	0	215	3	20
29+45	5.00	119.01	21.69	0.00	74.93	9.85	22	4	0	14	2	237	3	22
29+50	5.00	133.04	22.97	0.00	82.06	10.40	23	4	0	15	2	260	3	25
29+55	5.00	141.81	23.06	0.00	93.04	11.44	25	4	0	16	2	286	3	28
29+60	5.00	147.21	26.10	0.00	97.04	12.26	27	5	0	18	2	312	3	30
29+65	5.00	141.75	23.62	0.00	91.54	11.23	27	5	0	17	2	339	3	33
29+70	5.00	128.09	20.31	0.00	87.76	10.48	25	4	0	17	2	364	3	35
29+75	5.00	98.09	20.53	0.00	69.55	79.06	21	4	0	15	8	385	3	29
29+80	5.00	61.35	12.05	0.00	43.26	49.29	15	3	0	10	12	400	3	19
29+85	5.00	25.20	5.08	0.00	17.57	20.11	8	2	0	6	6	408	3	13
							408	73	2	264	56			

Notes:	
1 - Cut	Cut includes Salvaged / Unusable Pavement material.
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections.
3 - Petrolium Contaminated Soil	Material excavated under item 205.0501.S
4 - Unusable Select Material Excavation	Material Excavated for Select Materials in Subgrade is to be wasted off site.
8 - Mass Ordinate	Cut - Unusable Pavement Exc - Unusable Select Material Exc - Petrolium Contaminated Soil - (Fill * Fill Factor)

OLD BLUFF ROAD (STAGE 2)

STATION	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
		Cut	Salvaged/Unusable Pavement Material	Fill	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill	Cut 1.00 Note 1	Expanded Fill 1.20	Mass Ordinate Note 8
50+13	0.00	35.39	35.13	68.11	0	0	0	0	0	0
50+15	2.00	33.69	33.53	64.80	3	3	3	3	3	-3
50+20	5.00	27.42	30.67	51.78	6	6	6	8	10	-10
50+25	5.00	28.13	28.27	46.42	5	5	5	13	16	-17
50+25.39	0.39	27.93	28.07	45.75	0	0	0	14	17	-17
50+30	4.61	27.04	26.67	36.00	5	5	5	18	22	-23
50+35	5.00	26.01	25.27	29.62	5	5	5	23	27	-28
50+39	4.00	25.94	24.33	25.53	4	4	3	27	31	-32
50+40	1.00	24.26	24.20	22.65	1	1	1	28	32	-32
50+45	5.00	23.02	24.00	14.58	4	4	3	33	36	-36
50+50	5.00	22.33	24.00	10.22	4	4	2	37	38	-39
50+55	5.00	14.65	14.67	1.63	3	4	1	40	39	-40
50+60	5.00	16.90	14.67	1.31	3	3	0	43	39	-40
50+65	5.00	19.21	14.33	0.94	3	3	0	46	39	-39
50+70	5.00	21.03	14.10	0.40	4	3	0	50	39	-38
50+75	5.00	22.97	13.83	0.26	4	3	0	54	39	-36
					54	52	33			

Notes:	
1 - Cut	Cut includes Salvaged / Unusable Pavement material.
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections.
4 - Unusable Select Material Excavation	Material Excavated for Select Materials in Subgrade is to be wasted off site.
8 - Mass Ordinate	Cut - Unusable Pavement Exc - Unusable Select Material Exc - (Fill * Fill Factor)

STH 59 (STAGE 3)

STATION	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)		
		Cut	Salvaged/Unusable Pavement Material	Fill	Unusable Select Material Excavation	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill	Unusable Select Material Excavation Note 4	Cut 1.00 Note 1	Expanded Fill 1.20	Mass Ordinate Note 8
122+87.18	0.00	2.88	2.58	0.00	0.00	0	0	0	0	0	0	0
122+93.91	6.73	10.00	5.31	0.00	0.00	2	1	0	0	2	0	1
122+98.07	4.16	15.56	8.17	0.00	0.00	2	1	0	0	4	0	2
123+01.36	3.29	22.41	10.85	0.00	0.00	2	1	0	0	6	0	3
123+07.07	5.70	10.02	5.04	0.00	0.00	3	2	0	0	9	0	4
123+15.54	8.47	8.76	4.85	0.00	0.00	3	2	0	0	12	0	6
123+19.06	3.53	3.70	2.33	0.00	0.00	1	0	0	0	13	0	6
123+19.07	0.01	0.00	0.00	0.00	0.00	0	0	0	0	13	0	6
123+51.86	32.79	0.00	0.00	0.00	0.00	0	0	0	0	13	0	6
123+51.87	0.01	5.40	3.05	0.00	0.00	0	0	0	0	13	0	6
123+61.38	9.51	10.80	7.91	0.00	0.00	3	2	0	0	16	0	7
123+70	8.62	7.17	3.34	3.37	0.00	3	2	1	0	19	1	8
123+75	5.00	9.00	3.34	3.49	0.00	1	1	1	0	20	1	8
124+00	25.00	8.85	3.34	1.16	0.00	8	3	2	0	29	4	10
124+25	25.00	9.21	3.34	3.61	0.00	8	3	2	0	37	7	13
124+38	6.23	9.52	3.34	2.68	0.00	2	1	1	0	39	8	13
124+50	18.77	152.30	35.67	4.56	105.07	56	14	3	37	95	11	17
124+58.16	8.16	159.94	35.67	3.91	113.96	47	11	1	33	143	12	18
124+75	16.84	155.86	35.67	5.24	114.00	98	22	3	71	241	15	20
125+00	25.00	146.44	35.67	5.97	109.40	140	33	5	103	381	22	17
125+25	25.00	130.78	35.67	7.24	94.93	128	33	6	95	509	29	11
125+30.35	5.35	131.54	35.67	7.04	95.60	26	7	1	19	535	31	9
125+50	19.65	131.66	35.67	6.88	95.41	96	26	5	70	631	37	3
125+70.66	20.66	133.49	35.67	7.02	94.61	101	27	5	73	732	43	-2
125+75	4.34	129.90	35.67	8.14	93.83	21	6	1	15	754	45	-3
126+00	25.00	124.61	35.67	9.28	89.19	118	33	8	85	871	54	-12
126+08.16	8.16	122.57	35.67	9.46	87.83	37	11	3	27	909	58	-16
126+25	16.84	137.39	35.67	5.00	90.04	81	22	5	55	990	63	-18
126+50	25.00	145.03	35.67	8.86	95.09	131	33	6	86	1,121	71	-14
126+75	25.00	132.63	35.67	7.60	94.97	129	33	8	88	1,249	80	-15
127+00	25.00	134.23	35.67	7.30	96.48	124	33	7	89	1,373	88	-22
127+25	25.00	135.35	35.67	6.96	97.03	125	33	7	90	1,498	96	-28
127+50	25.00	138.50	35.67	5.36	99.36	127	33	6	91	1,624	103	-32
127+75	25.00	146.48	35.67	1.32	100.38	132	33	3	92	1,756	107	-29
128+00	25.00	138.60	34.00	4.70	99.53	132	32	3	93	1,888	110	-25
128+25	25.00	136.30	34.00	5.33	97.42	127	31	5	91	2,016	116	-26
128+38.33	13.33	134.78	34.00	6.57	96.48	67	17	3	48	2,082	119	-27
128+50	11.67	133.49	34.00	7.15	95.36	58	15	3	41	2,140	123	-29
128+75	25.00	132.88	34.00	7.54	95.25	123	31	7	88	2,264	131	-34
129+00	25.00	142.90	34.00	4.44	93.53	128	31	6	87	2,391	138	-31
129+25	25.00	129.03	32.33	6.66	91.78	126	31	5	86	2,517	144	-28
129+50	25.00	139.55	32.33	1.91	92.49	124	30	4	85	2,642	149	-24
129+75	25.00	135.51	32.33	8.03	96.30	127	30	5	87	2,769	154	-19
129+83.33	8.33	134.70	32.33	7.92	95.60	42	10	2	30	2,811	157	-20
130+00	16.67	132.12	32.33	7.97	94.34	82	20	5	59	2,893	163	-22
130+05.53	5.53	131.29	32.33	8.04	93.78	27	7	2	19	2,920	165	-23
130+25	19.47	129.93	32.33	8.80	93.15	94	23	6	67	3,014	172	-27

Notes:	
1 - Cut	Cut includes Salvaged / Unusable Pavement material.
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections.
4 - Unusable Select Material Excavation	Material Excavated for Select Materials in Subgrade is to be wasted off site.
8 - Mass Ordinate	Cut - Unusable Pavement Exc - Unusable Select Material Exc - (Fill * Fill Factor)

STH 59 (STAGE 3)

STATION	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)		
		Cut	Salvaged/Unusable Pavement Material	Fill	Unusable Select Material Excavation	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill	Unusable Select Material Excavation Note 4	Cut 1.00 Note 1	Expanded Fill 1.20	Mass Ordinate Note 8
130+50	25.00	122.46	32.33	10.50	86.61	117	30	9	83	3,131	183	-34
130+75	25.00	114.16	32.33	17.02	80.46	110	30	13	77	3,241	198	-47
131+00	25.00	100.83	32.33	25.78	67.80	100	30	20	69	3,340	222	-70
131+10.53	10.53	108.45	32.33	21.70	62.58	41	13	9	25	3,381	233	-78
131+25	14.47	91.33	32.33	26.02	55.87	54	17	13	32	3,434	248	-89
131+50	25.00	76.58	32.33	49.73	43.51	78	30	35	46	3,512	290	-129
131+75	25.00	70.66	32.33	68.42	38.37	68	30	55	38	3,580	356	-195
132+00	25.00	74.24	32.33	80.12	41.07	67	30	69	37	3,647	439	-277
132+08.59	8.59	72.27	32.33	82.66	39.04	23	10	26	13	3,671	470	-308
132+10	1.41	72.12	32.33	83.05	39.43	4	2	4	2	3,675	475	-313
132+15	5.00	73.84	32.33	80.89	41.22	14	6	15	7	3,688	493	-331
132+20	5.00	77.13	32.33	76.87	44.01	14	6	15	8	3,702	511	-348
132+22.74	2.74	81.09	32.33	74.52	47.27	8	3	8	5	3,710	520	-358
132+25	2.26	85.10	32.33	71.98	49.79	7	3	6	4	3,717	527	-365
132+30	5.00	94.73	37.56	71.76	52.27	17	6	13	9	3,734	543	-380
132+35	5.00	87.83	38.02	72.97	47.10	17	7	13	9	3,751	559	-395
132+40	5.00	77.59	39.25	75.86	37.49	15	7	14	8	3,766	576	-412
132+45	5.00	72.32	37.92	78.63	34.42	14	7	14	7	3,780	593	-429
132+50	5.00	66.93	35.44	80.73	31.53	13	7	15	6	3,793	611	-446
132+55	5.00	60.85	32.96	83.38	27.75	12	6	15	5	3,805	629	-465
132+60	5.00	55.98	31.14	85.27	25.08	11	6	16	5	3,815	648	-483
132+65	5.00	62.76	33.14	85.68	29.66	11	6	16	5	3,826	667	-502
132+70	5.00	69.17	35.12	85.25	34.07	12	6	16	6	3,839	686	-521
132+75	5.00	75.74	37.10	84.08	38.64	13	7	16	7	3,852	704	-540
132+80	5.00	81.42	39.08	85.61	42.42	15	7	16	8	3,867	723	-559
132+85	5.00	85.64	41.36	87.08	44.61	15	7	16	8	3,882	742	-578
132+90	5.00	92.59	39.11	87.84	52.21	17	7	16	9	3,898	762	-598
132+95	5.00	95.63	37.71	88.60	57.14	17	7	16	10	3,916	782	-617
133+00	5.00	89.20	37.09	99.06	52.07	17	7	17	10	3,933	802	-638
133+05	5.00	82.44	36.57	110.24	47.82	16	7	19	9	3,949	826	-661
133+10	5.00	80.32	34.70	122.62	45.59	15	7	22	9	3,964	852	-687
133+15	5.00	78.11	34.60	127.17	43.45	15	6	23	8	3,979	879	-715
133+20	5.00	76.47	34.42	130.53	42.33	14	6	24	8	3,993	908	-744
133+25	5.00	77.59	34.22	135.18	43.26	14	6	25	8	4,007	937	-773
133+30	5.00	77.58	34.07	140.23	43.62	14	6	26	8	4,022	968	-804
133+35	5.00	76.53	33.93	145.80	42.61	14	6	26	8	4,036	1,000	-836
133+40	5.00	77.27	33.78	149.93	43.54	14	6	27	8	4,050	1,033	-868
133+42.72	2.72	77.73	33.70	151.04	44.03	8	3	15	4	4,058	1,051	-887
133+50	7.28	79.33	33.49	153.82	45.87	21	9	41	12	4,079	1,100	-936
133+75	25.00	84.30	32.52	160.07	51.04	76	31	145	45	4,155	1,275	-1,110
134+00	25.00	92.62	31.41	179.10	56.19	82	30	157	50	4,237	1,463	-1,296
134+25	25.00	128.72	29.99	146.96	59.42	102	28	151	54	4,339	1,644	-1,456
134+36	11.00	134.94	29.38	152.30	59.56	54	12	61	24	4,393	1,717	-1,512
134+50	14.00	119.42	28.61	128.80	62.37	66	15	73	32	4,459	1,805	-1,580
134+69.28	19.28	109.19	27.83	131.36	64.49	82	20	93	45	4,540	1,916	-1,676
134+75	5.72	107.98	27.83	131.23	65.42	23	6	28	14	4,564	1,950	-1,706
135+00	25.00	103.31	27.83	128.64	67.90	98	26	120	62	4,661	2,094	-1,840

Notes:	
1 - Cut	Cut includes Salvaged / Unusable Pavement material.
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections.
4 - Unusable Select Material Excavation	Material Excavated for Select Materials in Subgrade is to be wasted off site.
8 - Mass Ordinate	Cut - Unusable Pavement Exc - Unusable Select Material Exc - (Fill * Fill Factor)

STH 59 (STAGE 3)

STATION	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)		
		Cut	Salvaged/Unusable Pavement Material	Fill	Unusable Select Material Excavation	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill	Unusable Select Material Excavation Note 4	Cut 1.00 Note 1	Expanded Fill 1.20	Mass Ordinate Note 8
135+25	25.00	103.83	27.83	125.54	69.51	96	26	118	64	4,757	2,235	-1,974
135+44.5	19.50	104.84	27.83	123.84	70.34	75	20	90	51	4,833	2,343	-2,078
135+50	5.50	105.05	27.83	122.11	70.53	21	6	25	14	4,854	2,373	-2,106
135+75	25.00	106.63	27.83	116.68	71.28	98	26	111	66	4,952	2,506	-2,232
136+00	25.00	108.21	27.83	114.26	72.50	99	26	107	67	5,051	2,634	-2,354
136+25	25.00	110.26	27.83	111.26	72.84	101	26	104	67	5,153	2,760	-2,471
136+50	25.00	111.43	27.83	105.90	72.57	103	26	101	67	5,255	2,880	-2,582
136+75	25.00	110.47	27.83	104.93	71.06	103	26	98	66	5,358	2,997	-2,689
137+00	25.00	112.52	27.83	104.23	70.36	103	26	97	65	5,461	3,113	-2,793
137+25	25.00	112.84	27.83	108.48	67.61	104	26	98	64	5,565	3,232	-2,896
137+45	20.00	115.89	27.83	108.37	67.00	85	21	80	50	5,650	3,328	-2,978
137+50	5.00	111.67	27.83	109.26	67.77	21	5	20	12	5,671	3,352	-2,999
137+75	25.00	95.66	27.83	118.53	65.58	96	26	105	62	5,767	3,479	-3,117
138+00	25.00	92.99	27.83	117.58	63.78	87	26	109	60	5,855	3,610	-3,247
138+20.56	20.56	88.62	27.83	126.58	60.19	69	21	93	47	5,924	3,722	-3,358
138+25	4.44	87.57	27.83	127.27	59.24	14	5	21	10	5,938	3,747	-3,382
138+50	25.00	84.13	27.83	122.11	56.19	79	26	115	53	6,018	3,885	-3,521
138+75	25.00	82.33	27.83	120.85	54.54	77	26	112	51	6,095	4,020	-3,656
139+00	25.00	82.69	27.83	109.01	54.69	76	26	106	51	6,171	4,148	-3,783
139+25	25.00	80.70	27.83	105.41	52.86	76	26	99	50	6,247	4,267	-3,902
139+50	25.00	83.07	27.83	92.41	55.01	76	26	92	50	6,323	4,377	-4,012
139+75	25.00	87.25	27.83	77.68	58.65	79	26	79	53	6,402	4,471	-4,106
140+00	25.00	90.12	27.83	62.29	61.14	82	26	65	55	6,484	4,549	-4,183
140+25	25.00	92.03	27.83	47.70	62.12	84	26	51	57	6,568	4,610	-4,243
140+50	25.00	99.52	28.04	38.16	67.96	89	26	40	60	6,657	4,658	-4,288
140+75	25.00	105.73	28.04	32.44	71.32	95	26	33	64	6,752	4,697	-4,322
141+00	25.00	111.83	27.90	25.82	75.33	101	26	27	68	6,852	4,729	-4,348
141+25	25.00	115.03	28.09	25.78	78.09	105	26	24	71	6,957	4,758	-4,368
141+50	25.00	124.22	28.62	25.52	84.10	111	26	24	75	7,068	4,787	-4,388
141+75	25.00	128.27	29.09	25.37	87.47	117	27	24	79	7,185	4,815	-4,405
142+00	25.00	132.15	29.51	26.46	90.33	121	27	24	82	7,306	4,844	-4,423
142+25	25.00	136.60	29.82	28.42	93.12	124	27	25	85	7,430	4,874	-4,441
142+41.99	16.99	139.76	30.04	25.83	95.29	87	19	17	59	7,517	4,895	-4,453
142+50	8.01	140.74	30.15	23.38	95.66	42	9	7	28	7,559	4,903	-4,457
142+75	25.00	158.84	30.67	21.82	98.29	139	28	21	90	7,697	4,929	-4,462
142+91.79	16.79	140.78	30.89	28.56	97.71	93	19	16	61	7,790	4,947	-4,467
143+00	8.21	139.99	31.01	29.74	97.31	43	9	9	30	7,833	4,958	-4,474
143+25	25.00	141.45	31.53	29.56	99.07	130	29	27	91	7,963	4,991	-4,497
143+50	25.00	142.12	32.14	26.37	99.02	131	29	26	92	8,095	5,022	-4,518
143+66	16.00	162.34	32.51	12.77	98.67	90	19	12	59	8,185	5,036	-4,519
143+75	9.00	147.51	32.83	16.23	98.48	52	11	5	33	8,237	5,042	-4,517
144+00	25.00	139.56	32.83	36.91	99.05	133	30	25	91	8,369	5,071	-4,536
144+25	25.00	138.91	32.83	35.98	99.52	129	30	34	92	8,498	5,112	-4,569
144+50	25.00	137.51	32.83	42.04	97.44	128	30	36	91	8,626	5,155	-4,606
144+70.6	20.60	141.69	32.83	28.16	100.33	107	25	27	75	8,733	5,187	-4,633
144+75	4.40	154.20	32.83	14.82	102.30	24	5	4	17	8,757	5,191	-4,634
145+00	25.00	160.58	32.83	15.63	107.75	146	30	14	97	8,903	5,208	-4,633

Notes:	
1 - Cut	Cut includes Salvaged / Unusable Pavement material.
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections.
4 - Unusable Select Material Excavation	Material Excavated for Select Materials in Subgrade is to be wasted off site.
8 - Mass Ordinate	Cut - Unusable Pavement Exc - Unusable Select Material Exc - (Fill * Fill Factor)

STH 59 (STAGE 3)

STATION	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)		
		Cut	Salvaged/Unusable Pavement Material	Fill	Unusable Select Material Excavation	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill	Unusable Select Material Excavation Note 4	Cut 1.00 Note 1	Expanded Fill 1.20	Mass Ordinate Note 8
145+25	25.00	152.53	32.83	55.34	109.67	145	30	33	101	9,048	5,248	-4,659
145+50	25.00	150.13	32.83	69.98	107.78	140	30	58	101	9,188	5,317	-4,719
145+75	25.00	148.10	32.83	72.88	107.29	138	30	66	100	9,326	5,397	-4,791
146+00	25.00	147.76	32.83	67.75	107.45	137	30	65	99	9,463	5,475	-4,862
146+25	25.00	147.55	32.83	71.44	106.78	137	30	64	99	9,600	5,552	-4,932
146+50	25.00	148.00	32.83	76.85	106.00	137	30	69	99	9,736	5,635	-5,006
146+75	25.00	145.56	32.83	76.62	103.21	136	30	71	97	9,872	5,720	-5,083
147+00	25.00	141.64	32.83	82.04	100.85	133	30	73	94	10,005	5,808	-5,163
147+25	25.00	140.62	32.74	92.27	99.90	131	30	81	93	10,136	5,905	-5,252
147+50	25.00	140.16	33.23	96.17	100.78	130	31	87	93	10,266	6,009	-5,351
147+54.84	4.84	141.14	33.33	98.31	101.65	25	6	17	18	10,291	6,030	-5,370
147+75	20.16	145.59	33.81	112.42	105.16	107	25	79	77	10,398	6,125	-5,460
148+00	25.00	150.42	34.55	119.68	108.80	137	32	107	99	10,535	6,254	-5,583
148+25	25.00	155.83	35.31	123.95	112.52	142	32	113	102	10,677	6,389	-5,711
148+50	25.00	158.68	36.02	114.71	115.78	146	33	110	106	10,823	6,522	-5,837
148+67.66	17.66	163.50	36.54	109.28	119.07	105	24	73	77	10,928	6,610	-5,920
148+75	7.34	165.50	36.74	110.22	120.22	45	10	30	33	10,973	6,645	-5,953
149+00	25.00	170.56	36.74	89.23	121.56	156	34	92	112	11,128	6,756	-6,054
149+25	25.00	173.64	36.74	75.30	122.90	159	34	76	113	11,288	6,848	-6,134
149+50	25.00	191.28	36.74	54.34	120.62	169	34	60	113	11,457	6,920	-6,184
149+75	25.00	202.05	36.74	48.38	118.34	182	34	48	111	11,639	6,977	-6,203
150+00	25.00	212.53	36.74	44.32	119.83	192	34	43	110	11,831	7,028	-6,207
150+11.78	11.78	206.55	36.74	43.07	120.51	91	16	19	52	11,922	7,051	-6,207
150+17.66	5.88	205.40	36.74	41.98	121.38	45	8	9	26	11,967	7,062	-6,208
150+20	2.34	206.29	36.74	40.62	121.88	18	3	4	11	11,985	7,066	-6,208
150+25	5.00	213.84	36.74	37.45	123.69	39	7	7	23	12,024	7,075	-6,207
150+30	5.00	222.30	38.47	35.13	127.19	40	7	7	23	12,064	7,083	-6,205
150+35	5.00	226.35	39.02	34.58	131.23	42	7	6	24	12,106	7,091	-6,202
150+40	5.00	212.29	40.11	34.39	135.30	41	7	6	25	12,146	7,099	-6,201
150+45	5.00	206.38	41.91	34.46	145.96	39	8	6	26	12,185	7,106	-6,204
150+50	5.00	211.30	45.02	34.21	157.96	39	8	6	28	12,224	7,114	-6,209
150+55	5.00	192.69	44.53	34.06	146.66	37	8	6	28	12,261	7,121	-6,216
150+60	5.00	170.24	41.21	34.13	127.51	34	8	6	25	12,295	7,129	-6,223
150+65	5.00	148.88	37.89	34.13	109.45	30	7	6	22	12,324	7,137	-6,230
150+70	5.00	128.31	34.57	34.23	92.16	26	7	6	19	12,350	7,144	-6,238
150+75	5.00	108.43	31.25	35.00	75.57	22	6	6	16	12,372	7,152	-6,245
150+80	5.00	111.95	31.87	36.33	78.47	20	6	7	14	12,392	7,160	-6,253
150+85	5.00	120.58	33.38	37.91	85.64	22	6	7	15	12,414	7,168	-6,261
150+90	5.00	129.38	34.89	39.60	92.97	23	6	7	17	12,437	7,177	-6,269
150+95	5.00	139.12	36.40	40.57	101.25	25	7	7	18	12,462	7,186	-6,277
151+00	5.00	150.21	37.91	40.71	110.88	27	7	8	20	12,488	7,195	-6,286
151+05	5.00	161.44	39.56	40.90	120.64	29	7	8	21	12,517	7,204	-6,295
151+10	5.00	176.23	37.41	41.27	120.10	31	7	8	22	12,549	7,213	-6,302
151+15	5.00	170.39	36.28	41.79	106.76	32	7	8	21	12,581	7,222	-6,307
151+20	5.00	170.20	35.57	44.44	100.90	32	7	8	19	12,612	7,232	-6,311
151+25	5.00	168.83	34.70	40.28	99.25	31	7	8	19	12,644	7,241	-6,314
151+30	5.00	169.49	34.57	36.50	98.49	31	6	7	18	12,675	7,250	-6,316

Notes:	
1 - Cut	Cut includes Salvaged / Unusable Pavement material.
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections.
4 - Unusable Select Material Excavation	Material Excavated for Select Materials in Subgrade is to be wasted off site.
8 - Mass Ordinate	Cut - Unusable Pavement Exc - Unusable Select Material Exc - (Fill * Fill Factor)

STH 59 (STAGE 3)

STATION	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)		
		Cut	Salvaged/Unusable Pavement Material	Fill	Unusable Select Material Excavation	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill	Unusable Select Material Excavation Note 4	Cut 1.00 Note 1	Expanded Fill 1.20	Mass Ordinate Note 8
151+32.68	2.68	168.15	34.48	37.36	98.10	17	3	4	10	12,692	7,254	-6,317
151+50	17.32	147.30	33.72	54.78	95.31	101	22	30	62	12,793	7,289	-6,335
151+58.48	8.48	149.25	33.27	55.77	94.51	47	11	17	30	12,839	7,310	-6,350
151+75	16.52	151.47	32.44	57.80	93.30	92	20	35	57	12,931	7,352	-6,377
152+00	25.00	149.85	31.63	61.11	91.08	140	30	55	85	13,071	7,418	-6,419
152+25	25.00	144.28	31.33	68.97	91.71	136	29	60	85	13,207	7,490	-6,468
152+50	25.00	137.70	30.87	78.14	91.80	131	29	68	85	13,338	7,572	-6,533
152+75	25.00	146.50	30.21	73.37	97.32	132	28	70	88	13,469	7,656	-6,602
152+98.66	23.66	152.31	29.57	75.76	98.72	131	26	65	86	13,600	7,735	-6,661
152+99.17	0.51	152.44	29.55	75.84	98.70	3	1	1	2	13,603	7,736	-6,663
153+00	0.83	152.65	29.53	76.00	98.69	5	1	2	3	13,608	7,739	-6,665
153+25	25.00	147.93	28.88	76.41	98.75	139	27	71	91	13,747	7,824	-6,729
153+50	25.00	148.87	28.26	75.27	95.72	137	26	70	90	13,884	7,908	-6,792
153+58.78	8.78	153.53	28.16	70.61	95.08	49	9	24	31	13,933	7,937	-6,812
153+75	16.22	144.29	27.97	70.12	93.69	89	17	42	57	14,023	7,987	-6,846
154+00	25.00	152.30	27.83	71.24	92.74	137	26	65	86	14,160	8,066	-6,900
154+25	25.00	135.23	27.83	99.02	91.15	133	26	79	85	14,293	8,160	-6,972
154+34.66	9.66	134.54	27.83	106.49	91.09	48	10	37	33	14,342	8,204	-7,011
154+50	15.34	136.65	27.83	122.83	94.12	77	16	65	53	14,419	8,283	-7,080
154+75	25.00	146.30	27.83	10.36	96.50	131	26	62	88	14,550	8,357	-7,137
155+00	25.00	135.91	27.83	11.87	88.81	131	26	10	86	14,680	8,369	-7,130
155+25	25.00	126.55	27.83	10.70	83.03	122	26	10	80	14,802	8,382	-7,127
155+50	25.00	1.24	0.00	19.11	0.00	59	13	14	38	14,861	8,398	-7,135
155+75	25.00	1.28	0.00	14.97	0.00	1	0	16	0	14,862	8,417	-7,153
156+00	25.00	2.21	0.00	14.57	0.00	2	0	14	0	14,864	8,433	-7,168
156+25	25.00	3.71	0.00	4.03	0.00	3	0	9	0	14,867	8,444	-7,176
156+50	25.00	5.99	0.00	0.04	0.00	4	0	2	0	14,871	8,446	-7,173
156+75	25.00	6.95	0.00	0.30	0.00	6	0	0	0	14,877	8,446	-7,168
157+00	25.00	12.42	0.00	0.38	0.00	9	0	0	0	14,886	8,447	-7,159
157+25	25.00	18.39	0.00	0.08	0.00	14	0	0	0	14,900	8,447	-7,145
157+50	25.00	28.12	0.00	0.00	0.00	22	0	0	0	14,922	8,447	-7,123
157+75	25.00	35.12	0.00	0.17	0.00	29	0	0	0	14,951	8,447	-7,094
158+00	25.00	54.40	0.00	0.30	0.00	41	0	0	0	14,992	8,447	-7,053
158+12.5	12.50	66.93	0.00	0.21	0.00	28	0	0	0	15,021	8,447	-7,025
158+25	12.50	75.41	0.00	0.25	0.00	33	0	0	0	15,054	8,448	-6,992
158+50	25.00	86.36	0.00	0.50	0.00	75	0	0	0	15,128	8,448	-6,918
158+61.83	11.83	91.21	0.00	0.43	0.00	39	0	0	0	15,167	8,448	-6,879
158+75	13.17	95.24	0.00	0.54	0.00	45	0	0	0	15,213	8,449	-6,834
159+00	25.00	99.86	0.00	0.05	0.00	90	0	0	0	15,303	8,449	-6,744
159+06.18	6.18	99.18	0.00	0.09	0.00	23	0	0	0	15,326	8,449	-6,721
159+25	18.82	96.27	0.00	0.23	0.00	68	0	0	0	15,394	8,449	-6,653
159+50	25.00	86.10	0.00	2.52	0.00	84	0	1	0	15,478	8,451	-6,570
159+74.18	24.18	71.61	0.00	3.14	0.00	71	0	3	0	15,549	8,454	-6,503
159+74.18	0.00	71.60	0.00	3.14	0.00	0	0	0	0	15,549	8,454	-6,503
159+75	0.82	71.20	0.00	3.07	0.00	2	0	0	0	15,551	8,454	-6,501
160+00	25.00	65.93	0.00	1.56	0.00	63	0	2	0	15,615	8,456	-6,440
160+08.18	8.18	63.61	0.00	1.33	0.00	20	0	0	0	15,634	8,457	-6,421

Notes:	
1 - Cut	Cut includes Salvaged / Unusable Pavement material.
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections.
4 - Unusable Select Material Excavation	Material Excavated for Select Materials in Subgrade is to be wasted off site.
8 - Mass Ordinate	Cut - Unusable Pavement Exc - Unusable Select Material Exc - (Fill * Fill Factor)

STH 59 (STAGE 3)

STATION	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)		
		Cut	Salvaged/Unusable Pavement Material	Fill	Unusable Select Material Excavation	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill	Unusable Select Material Excavation Note 4	Cut 1.00 Note 1	Expanded Fill 1.20	Mass Ordinate Note 8
160+25	16.82	56.71	0.00	1.76	0.00	37	0	1	0	15,672	8,458	-6,384
160+50	25.00	54.99	0.00	1.01	0.00	52	0	1	0	15,724	8,459	-6,334
160+75	25.00	42.75	0.00	1.04	0.00	45	0	1	0	15,769	8,461	-6,290
161+00	25.00	33.97	0.00	1.18	0.00	36	0	1	0	15,804	8,462	-6,256
161+25	25.00	28.16	0.00	1.40	0.00	29	0	1	0	15,833	8,463	-6,229
161+50	25.00	27.91	0.00	2.97	0.00	26	0	2	0	15,859	8,466	-6,205
161+75	25.00	25.60	0.00	5.37	0.00	25	0	4	0	15,884	8,470	-6,185
162+00	25.00	23.40	0.00	4.41	0.00	23	0	5	0	15,906	8,476	-6,168
162+25	25.00	25.82	0.00	1.79	0.00	23	0	3	0	15,929	8,479	-6,148
162+50	25.00	25.16	0.00	1.00	0.00	24	0	1	0	15,953	8,481	-6,126
162+75	25.00	24.86	0.00	0.26	0.00	23	0	1	0	15,976	8,481	-6,104
163+00	25.00	47.97	0.00	0.00	0.00	34	0	0	0	16,010	8,482	-6,070
163+25	25.00	35.93	0.00	0.00	0.00	39	0	0	0	16,049	8,482	-6,031
						16,049	3,682	7,068	9,916			

Notes:	
1 - Cut	Cut includes Salvaged / Unusable Pavement material.
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections.
4 - Unusable Select Material Excavation	Material Excavated for Select Materials in Subgrade is to be wasted off site.
8 - Mass Ordinate	Cut - Unusable Pavement Exc - Unusable Select Material Exc - (Fill * Fill Factor)

SUNRISE LANE (STAGE 3)

STATION	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)		
		Cut	Salvaged/Unusable Pavement Material	Fill	Unusable Select Material Excavation	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill	Unusable Select Material Excavation Note 4	Cut 1.00 Note 1	Expanded Fill 1.20	Mass Ordinate Note 8
00+13	0.00	3.32	1.07	0.00	2.25	0	0	0	0	0	0	0
00+15	2.00	10.29	3.31	0.00	6.99	1	0	0	0	1	0	0
00+20	5.00	27.37	8.91	0.00	18.47	3	1	0	2	4	0	0
00+25	5.00	44.67	14.51	0.00	30.23	7	2	0	5	11	0	0
00+30	5.00	62.70	18.79	0.00	43.23	10	3	0	7	21	0	0
00+35	5.00	85.03	21.26	0.00	61.78	14	4	0	10	34	0	0
00+40	5.00	97.31	19.29	3.67	72.89	17	4	0	12	51	0	1
00+45	5.00	99.32	17.31	2.83	77.45	18	3	1	14	69	1	1
00+50	5.00	96.47	16.38	20.73	70.62	18	3	2	14	88	4	-1
00+55	5.00	93.47	16.02	41.75	73.51	18	3	6	13	105	11	-6
00+57.19	2.19	92.21	14.17	44.89	72.53	8	1	4	6	113	15	-10
00+60	2.81	91.20	14.17	44.29	71.39	10	1	5	7	122	20	-15
00+65	5.00	89.35	14.17	44.85	71.27	17	3	8	13	139	30	-24
00+70	5.00	101.91	14.17	24.63	63.62	18	3	6	12	157	38	-29
00+75	5.00	104.02	14.17	22.06	66.80	19	3	4	12	176	43	-30
00+80	5.00	105.62	14.17	20.62	69.61	19	3	4	13	195	48	-31
00+85	5.00	106.47	14.17	21.43	71.94	20	3	4	13	215	53	-31
00+90	5.00	107.04	14.17	21.77	73.63	20	3	4	13	234	58	-33
00+95	5.00	128.61	14.17	0.00	87.91	22	3	2	15	256	60	-31
01+00	5.00	126.39	14.17	0.00	85.50	24	3	0	16	280	60	-26
01+02.05	2.05	125.17	14.17	0.01	86.04	10	1	0	7	289	60	-24
01+05	2.95	123.63	14.17	0.02	86.89	14	2	0	9	303	60	-21
01+10	5.00	122.56	14.17	0.00	87.38	23	3	0	16	326	60	-17
01+15	5.00	121.71	14.17	0.00	87.49	23	3	0	16	348	60	-13
01+20	5.00	121.98	14.17	0.07	87.88	23	3	0	16	371	60	-10
01+25	5.00	129.57	14.17	0.00	87.36	23	3	0	16	394	60	-5
						394	60	50	279			

Notes:	
1 - Cut	Cut includes Salvaged / Unusable Pavement material.
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections.
4 - Unusable Select Material Excavation	Material Excavated for Select Materials in Subgrade is to be wasted off site.
8 - Mass Ordinate	Cut - Unusable Pavement Exc - Unusable Select Material Exc - (Fill * Fill Factor)

OLD COUNTY P (STAGE 3)

STATION	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)		
		Cut	Salvaged/Unusable Pavement Material	Fill	Unusable Select Material Excavation	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill	Unusable Select Material Excavation Note 4	Cut 1.00 Note 1	Expanded Fill 1.20	Mass Ordinate Note 8
00+15	0.00	19.82	3.39	0.00	16.43	0	0	0	0	0	0	0
00+20	5.00	57.35	9.45	0.00	47.90	7	1	0	6	7	0	0
00+25	5.00	97.47	15.31	0.00	82.17	14	2	0	12	21	0	0
00+30	5.00	133.82	20.15	0.00	113.67	21	3	0	18	43	0	0
00+35	5.00	172.15	25.50	0.00	147.02	28	4	0	24	71	0	0
00+40	5.00	204.21	26.48	0.00	164.16	35	5	0	29	106	0	1
00+45	5.00	213.19	24.47	0.02	152.79	39	5	0	29	145	0	6
00+50	5.00	223.04	23.02	0.61	140.84	40	4	0	27	185	0	15
00+54.35	4.35	202.97	21.92	0.63	133.96	34	4	0	22	219	0	23
00+55	0.65	209.02	21.78	0.00	130.36	5	1	0	3	224	0	24
00+60	5.00	200.55	20.72	0.00	125.52	38	4	0	24	262	0	34
00+65	5.00	187.65	19.80	0.00	119.58	36	4	0	23	298	0	44
00+70	5.00	175.40	19.06	0.00	112.11	34	4	0	21	332	0	53
00+75	5.00	166.74	18.52	0.00	105.33	32	3	0	20	364	0	61
00+80	5.00	161.54	18.29	0.00	102.27	30	3	0	19	394	0	68
00+85	5.00	159.11	18.13	0.00	100.31	30	3	0	19	424	0	76
00+90	5.00	156.42	17.33	0.00	98.12	29	3	0	18	453	0	84
00+95	5.00	150.86	17.08	0.00	94.27	28	3	0	18	481	0	91
01+00	5.00	141.46	16.70	0.25	88.86	27	3	0	17	508	0	98
01+00.72	0.72	140.71	16.69	0.30	88.52	4	0	0	2	512	0	99
01+25	24.28	141.30	16.30	0.00	98.85	127	15	0	84	639	0	126
01+50	25.00	136.32	16.00	0.00	102.05	129	15	0	93	767	0	147
01+55	5.00	135.95	15.90	0.00	101.90	25	3	0	19	793	0	150
						793	93	0	549			

Notes:	
1 - Cut	Cut includes Salvaged / Unusable Pavement material.
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections.
4 - Unusable Select Material Excavation	Material Excavated for Select Materials in Subgrade is to be wasted off site.
8 - Mass Ordinate	Cut - Unusable Pavement Exc - Unusable Select Material Exc - (Fill * Fill Factor)

COX ROAD NW QUAD (STAGE 3)

STATION	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
		Cut	Salvaged/Unusable Pavement Material	Fill	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill	Cut 1.00 Note 1	Expanded Fill 1.20	Mass Ordinate Note 8
00+23.2	0.00	35.95	6.18	0.00	0	0	0	0	0	0
00+30	6.80	24.57	7.99	5.81	8	2	1	8	1	5
00+35	5.00	24.81	8.30	5.11	5	2	1	12	2	7
00+40	5.00	26.46	8.86	4.72	5	2	1	17	3	9
00+45	5.00	29.99	9.68	3.84	5	2	1	22	4	11
00+50	5.00	34.67	10.78	2.52	6	2	1	28	5	15
00+55	5.00	38.47	12.21	1.92	7	2	0	35	5	19
00+60	5.00	46.22	14.03	1.32	8	2	0	43	6	24
00+65	5.00	9.59	0.00	1.06	5	1	0	48	6	28
00+70	5.00	9.98	0.00	0.84	2	0	0	50	6	29
00+75	5.00	10.06	0.00	0.47	2	0	0	52	6	31
00+80	5.00	10.13	0.00	0.24	2	0	0	53	6	33
00+85	5.00	9.95	0.00	0.24	2	0	0	55	6	35
00+90	5.00	10.21	0.00	0.16	2	0	0	57	6	36
00+95	5.00	10.79	0.00	0.17	2	0	0	59	7	38
01+00	5.00	11.33	0.00	0.17	2	0	0	61	7	40
01+05	5.00	10.55	0.00	0.27	2	0	0	63	7	42
01+10	5.00	9.84	0.00	0.35	2	0	0	65	7	44
01+15	5.00	8.50	0.00	0.64	2	0	0	67	7	46
01+20	5.00	6.91	0.00	0.91	1	0	0	68	7	47
01+23.69	3.69	3.21	0.00	1.46	1	0	0	69	7	47
					69	14	6			

Notes:	
1 - Cut	Cut includes Salvaged / Unusable Pavement material.
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections.
4 - Unusable Select Material Excavation	Material Excavated for Select Materials in Subgrade is to be wasted off site.
8 - Mass Ordinate	Cut - Unusable Pavement Exc - Unusable Select Material Exc - (Fill * Fill Factor)

COX ROAD NE QUAD (STAGE 3)

STATION	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
		Cut	Salvaged/Unusable Pavement Material	Fill	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill	Cut 1.00 Note 1	Expanded Fill 1.20	Mass Ordinate Note 8
00+00	0.00	6.22	1.80	0.17	0	0	0	0	0	0
00+05	5.00	6.10	1.80	0.20	1	0	0	1	0	1
00+10	5.00	6.29	1.80	0.19	1	0	0	2	0	2
00+15	5.00	6.28	1.80	0.19	1	0	0	3	0	2
00+20	5.00	6.30	1.80	0.13	1	0	0	5	0	3
00+25	5.00	6.19	1.80	0.14	1	0	0	6	0	4
00+30	5.00	6.05	1.80	0.25	1	0	0	7	0	5
00+35	5.00	5.95	1.80	0.29	1	0	0	8	0	5
00+40	5.00	5.93	1.80	0.33	1	0	0	9	0	6
00+45	5.00	5.98	1.80	0.27	1	0	0	10	0	7
00+50	5.00	5.68	1.80	0.08	1	0	0	11	0	8
00+55	5.00	5.71	1.80	0.10	1	0	0	12	0	8
00+57.43	2.43	6.14	1.80	0.10	1	0	0	13	0	9
					13	4	0			

Notes:	
1 - Cut	Cut includes Salvaged / Unusable Pavement material.
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections.
4 - Unusable Select Material Excavation	Material Excavated for Select Materials in Subgrade is to be wasted off site.
8 - Mass Ordinate	Cut - Unusable Pavement Exc - Unusable Select Material Exc - (Fill * Fill Factor)

COX ROAD SW QUAD (STAGE 3)

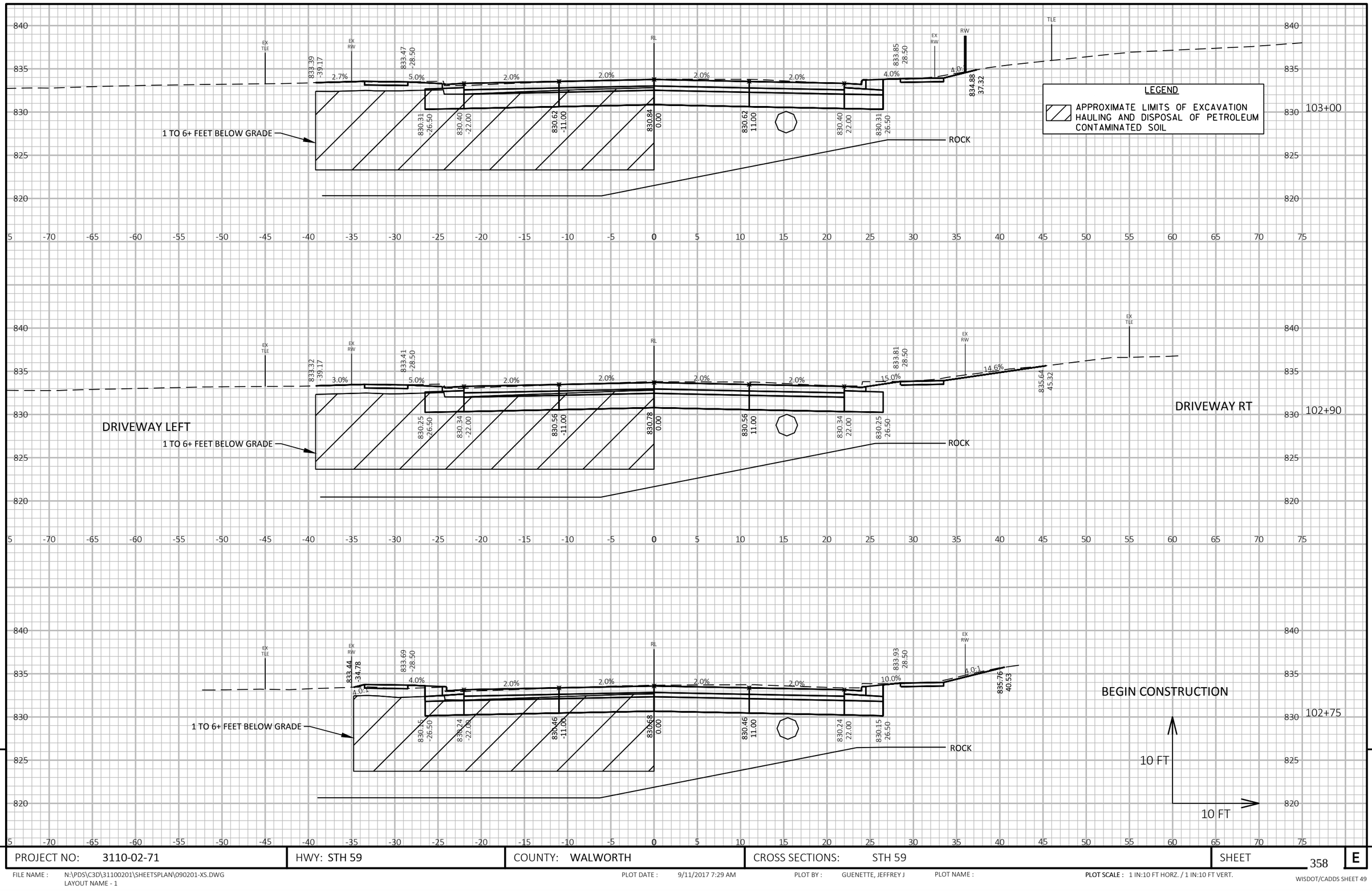
STATION	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
		Cut	Salvaged/Unusable Pavement Material	Fill	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill	Cut 1.00 Note 1	Expanded Fill 1.20	Mass Ordinate Note 8
00+35	0.00	5.31	1.80	0.57	0	0	0	0	0	0
00+40	5.00	5.64	1.80	0.35	1	0	0	1	0	1
00+45	5.00	5.81	1.80	0.32	1	0	0	2	0	1
00+50	5.00	5.88	1.80	0.23	1	0	0	3	0	2
00+55	5.00	5.95	1.80	0.14	1	0	0	4	0	3
00+60	5.00	5.88	1.80	0.15	1	0	0	5	0	3
00+65	5.00	5.70	1.80	0.25	1	0	0	6	0	4
00+70	5.00	5.24	1.80	0.59	1	0	0	7	0	5
00+75	5.00	33.07	10.88	1.05	4	1	0	11	1	7
00+80	5.00	27.13	9.46	1.48	6	2	0	17	1	10
00+85	5.00	23.74	8.56	2.06	5	2	0	21	1	13
00+90	5.00	21.65	8.04	2.75	4	2	0	25	2	15
00+94.51	4.51	20.11	7.68	3.09	3	1	0	29	2	17
STH 59	2.22	35.07	7.00	0.00	2	1	0	31	2	18
STH 59	10.00	29.90	6.66	0.00	12	3	0	43	2	28
STH 59	10.00	24.97	6.22	0.00	10	2	0	53	2	35
STH 59	5.00	24.06	5.99	0.00	5	1	0	63	2	39
					58	17	2			

Notes:	
1 - Cut	Cut includes Salvaged / Unusable Pavement material.
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections.
4 - Unusable Select Material Excavation	Material Excavated for Select Materials in Subgrade is to be wasted off site.
8 - Mass Ordinate	Cut - Unusable Pavement Exc - Unusable Select Material Exc - (Fill * Fill Factor)

COX ROAD SE QUAD (STAGE 3)

STATION	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
		Cut	Salvaged/Unusable Pavement Material	Fill	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill	Cut 1.00 Note 1	Expanded Fill 1.20	Mass Ordinate Note 8
00+13.91	0.00	6.57	1.80	0.11	0	0	0	0	0	0
00+15	1.09	6.36	1.80	0.14	0	0	0	0	0	0
00+20	5.00	5.78	1.80	0.21	1	0	0	1	0	1
00+25	5.00	5.74	1.80	0.24	1	0	0	2	0	2
00+30	5.00	5.68	1.80	0.25	1	0	0	4	0	2
00+35	5.00	5.72	1.80	0.18	1	0	0	5	0	3
00+40	5.00	5.73	1.80	0.14	1	0	0	6	0	4
00+45	5.00	5.67	1.80	0.15	1	0	0	7	0	4
00+50	5.00	5.70	1.80	0.13	1	0	0	8	0	5
00+55	5.00	5.66	1.80	0.12	1	0	0	9	0	6
00+60	5.00	5.56	1.80	0.18	1	0	0	10	0	6
00+65	5.00	5.78	1.80	0.16	1	0	0	11	0	7
00+70	5.00	5.92	1.80	0.13	1	0	0	12	0	8
00+75	5.00	5.98	1.80	0.11	1	0	0	13	0	9
00+80	5.00	6.07	1.80	0.09	1	0	0	14	0	9
00+85	5.00	6.18	1.80	0.07	1	0	0	15	0	10
00+90	5.00	6.48	1.80	0.04	1	0	0	16	1	11
00+95	5.00	6.63	1.80	0.09	1	0	0	18	1	12
01+00	5.00	6.89	1.80	0.14	1	0	0	19	1	13
01+00.7	0.70	6.94	1.80	0.13	0	0	0	19	1	13
					19	6	0			

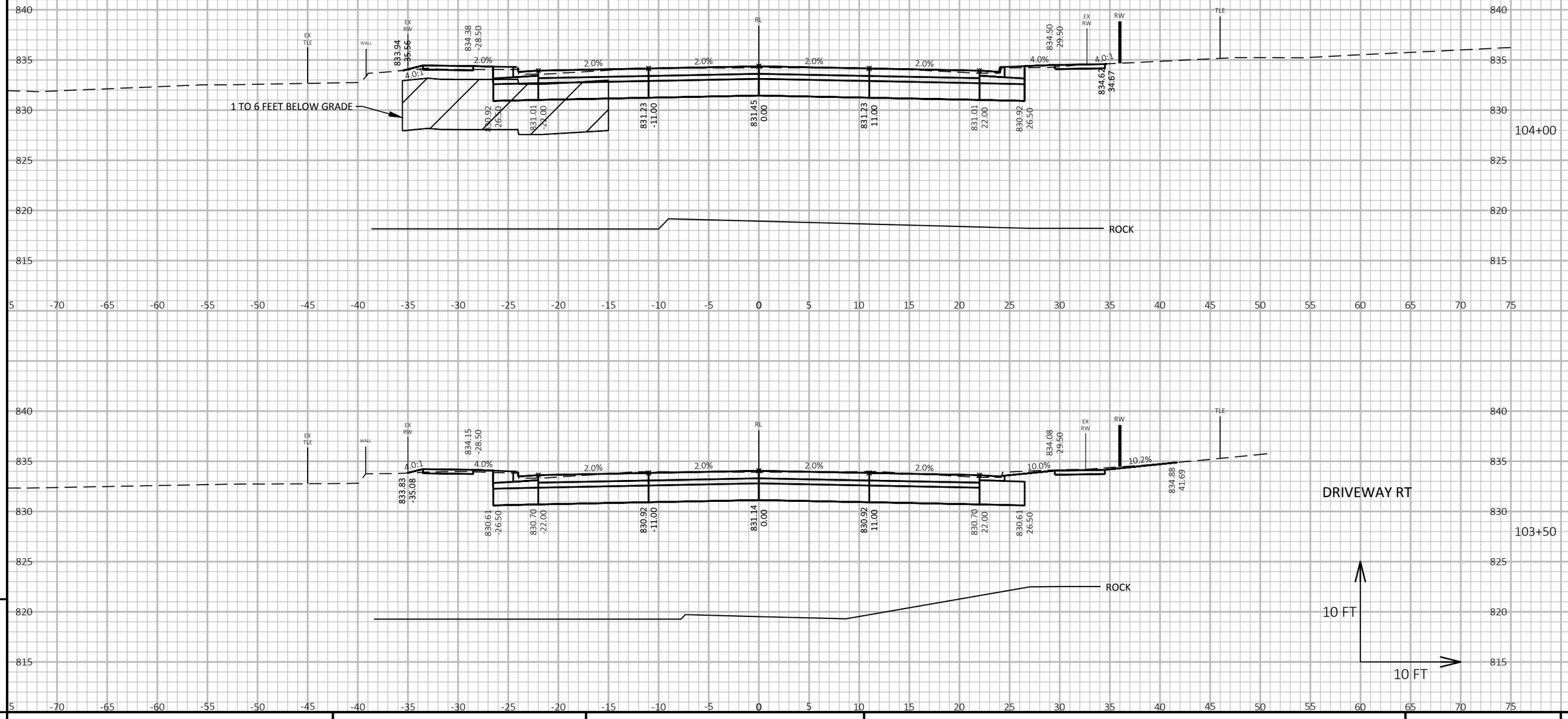
Notes:	
1 - Cut	Cut includes Salvaged / Unusable Pavement material.
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections.
4 - Unusable Select Material Excavation	Material Excavated for Select Materials in Subgrade is to be wasted off site.
8 - Mass Ordinate	Cut - Unusable Pavement Exc - Unusable Select Material Exc - (Fill * Fill Factor)



PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 358	E

LEGEND

APPROXIMATE LIMITS OF EXCAVATION HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL



9 9

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 359	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 2

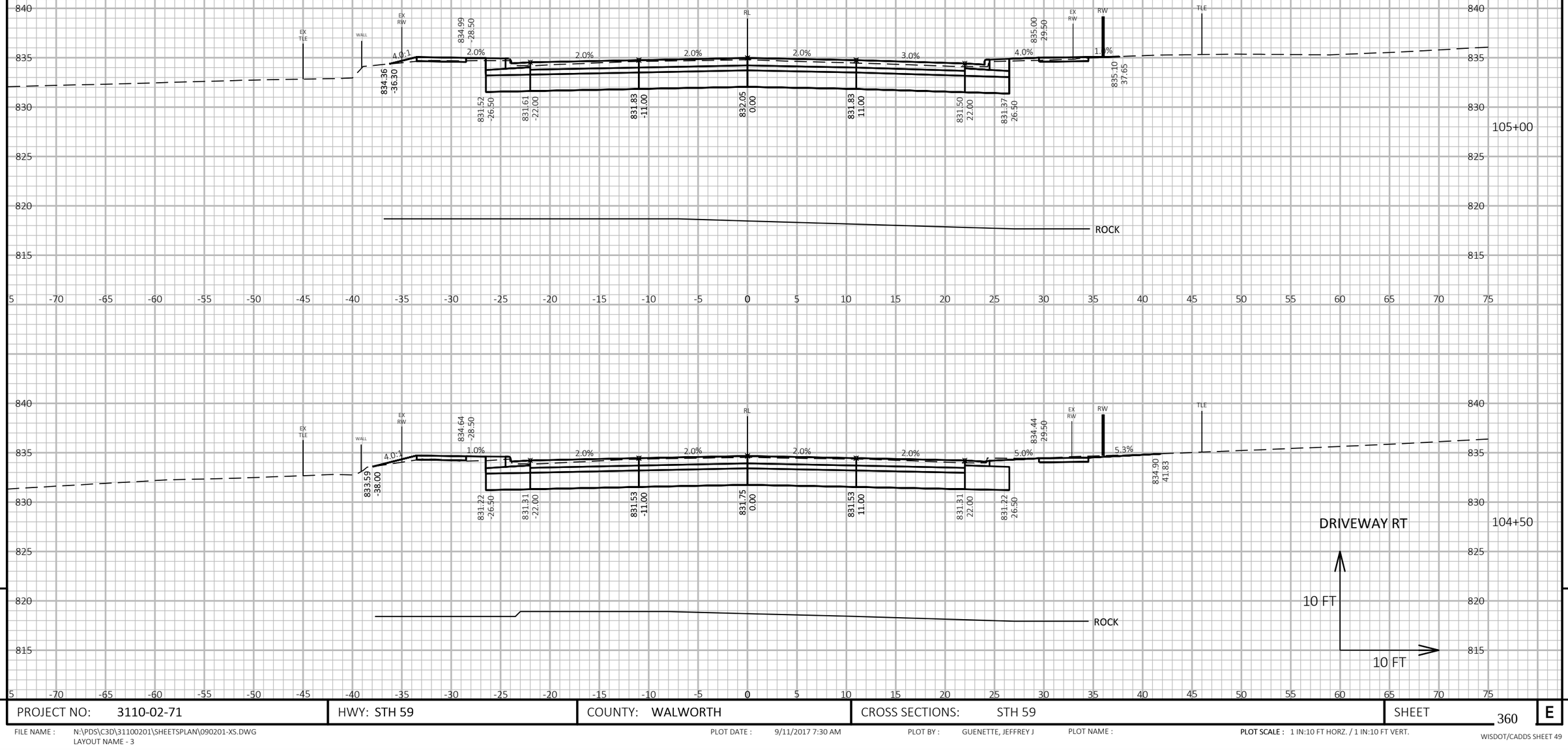
PLOT DATE : 9/11/2017 7:30 AM

PLOT BY : GUENETTE, JEFFREY J

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 360	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 3

PLOT DATE : 9/11/2017 7:30 AM

PLOT BY : GUENETTE, JEFFREY J

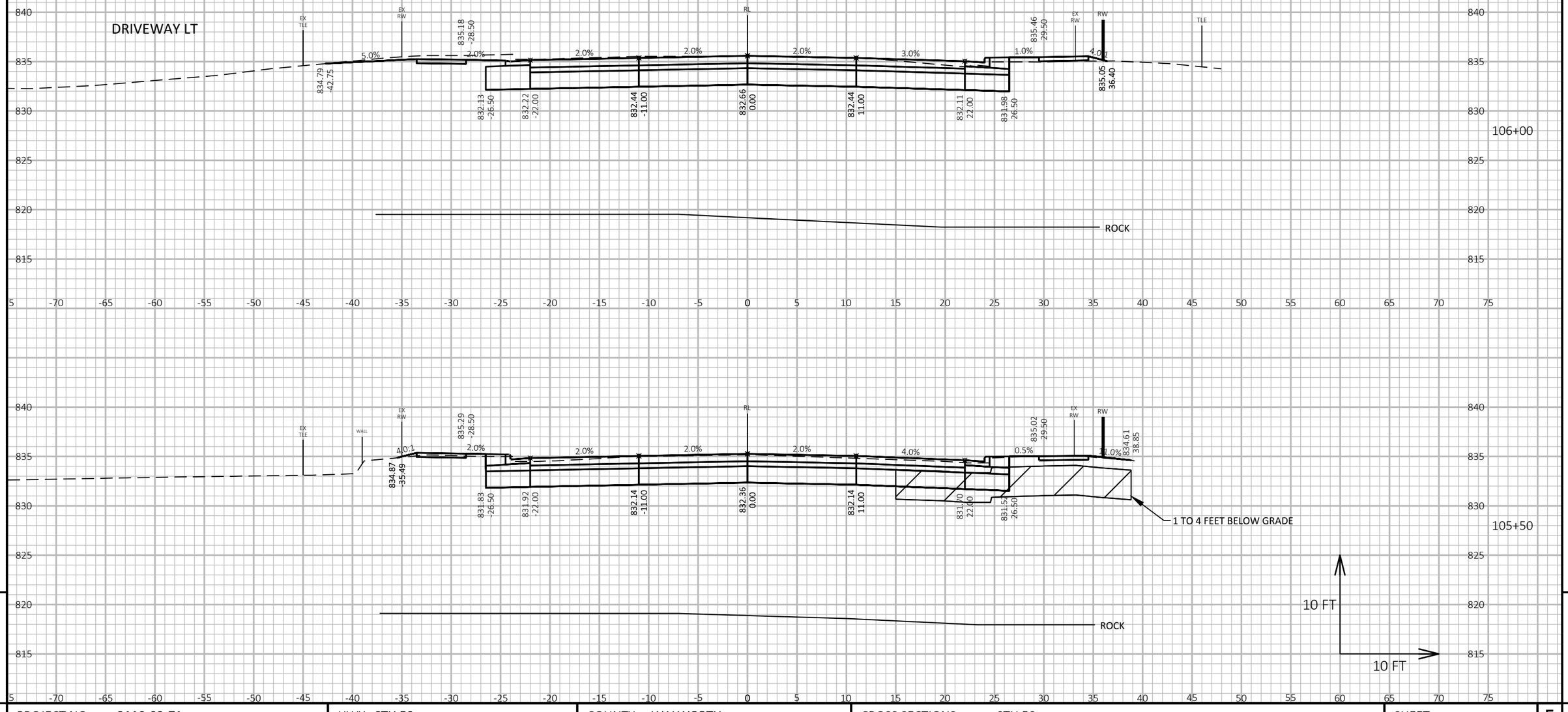
PLOT NAME :

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

WISDOT/CADDS SHEET 49

LEGEND

APPROXIMATE LIMITS OF EXCAVATION HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL



9 9

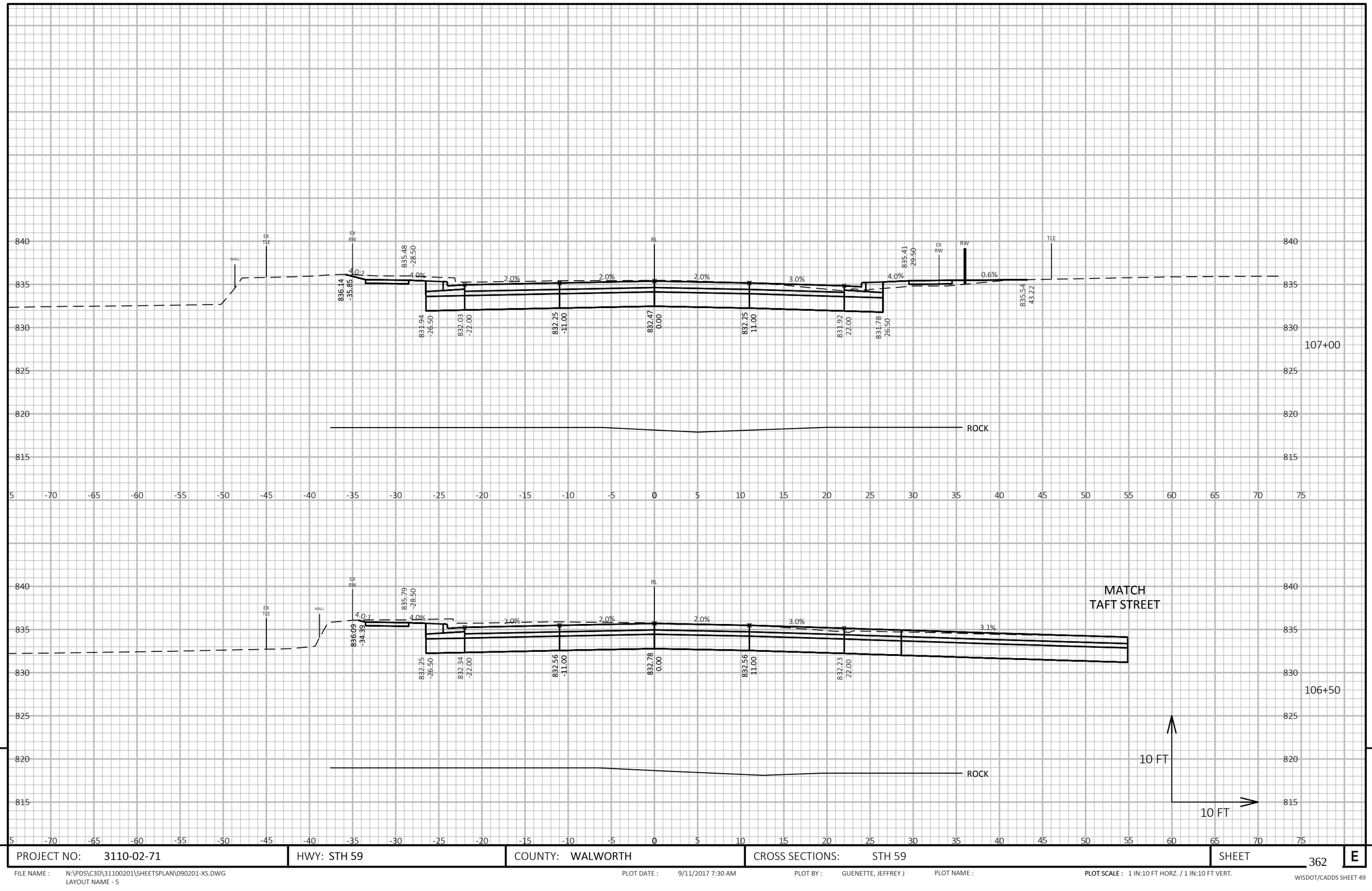
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 361	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 4

PLOT DATE : 9/11/2017 7:30 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME :

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

WISDOT/CADDS SHEET 49

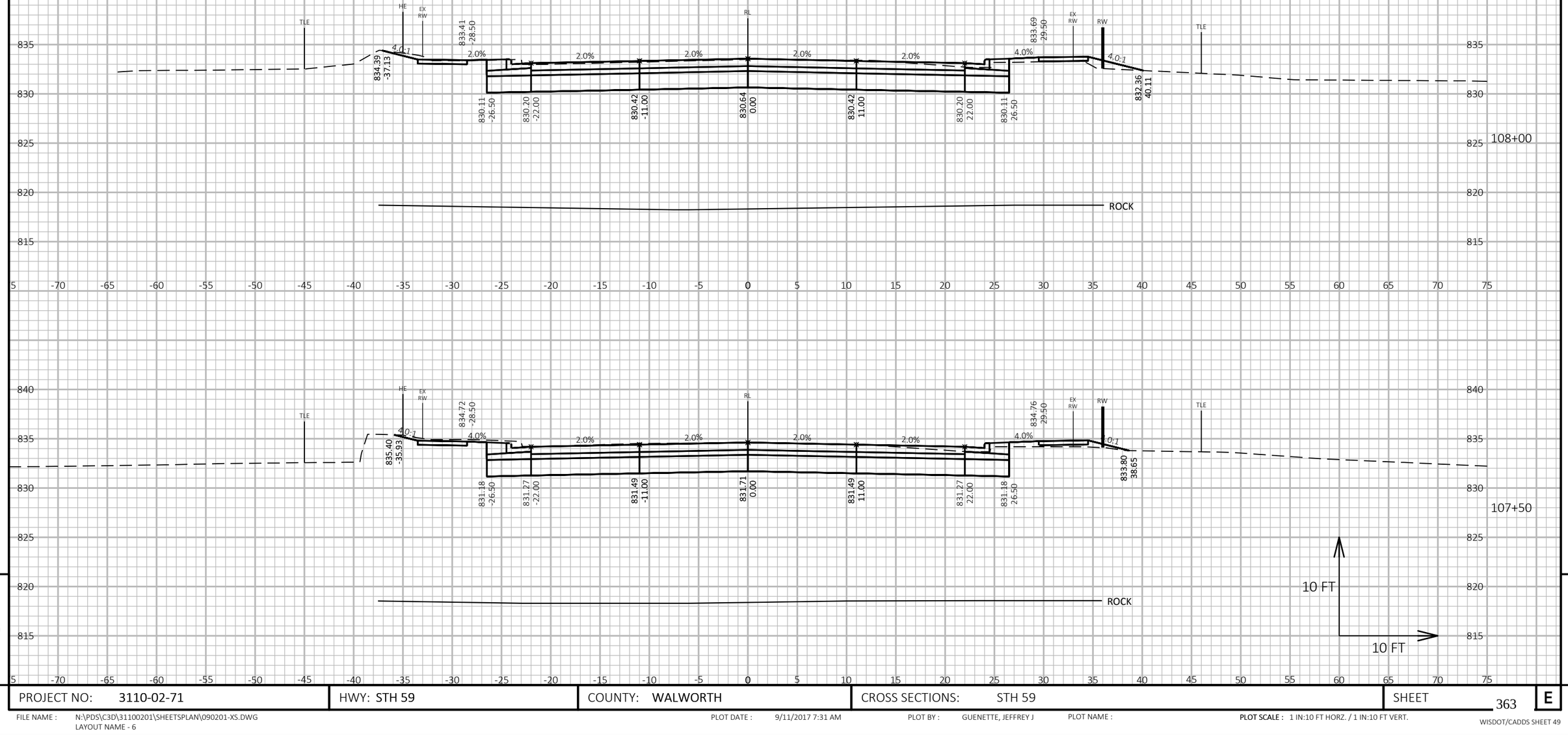


9 9

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 362	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 5

PLOT DATE : 9/11/2017 7:30 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9 9

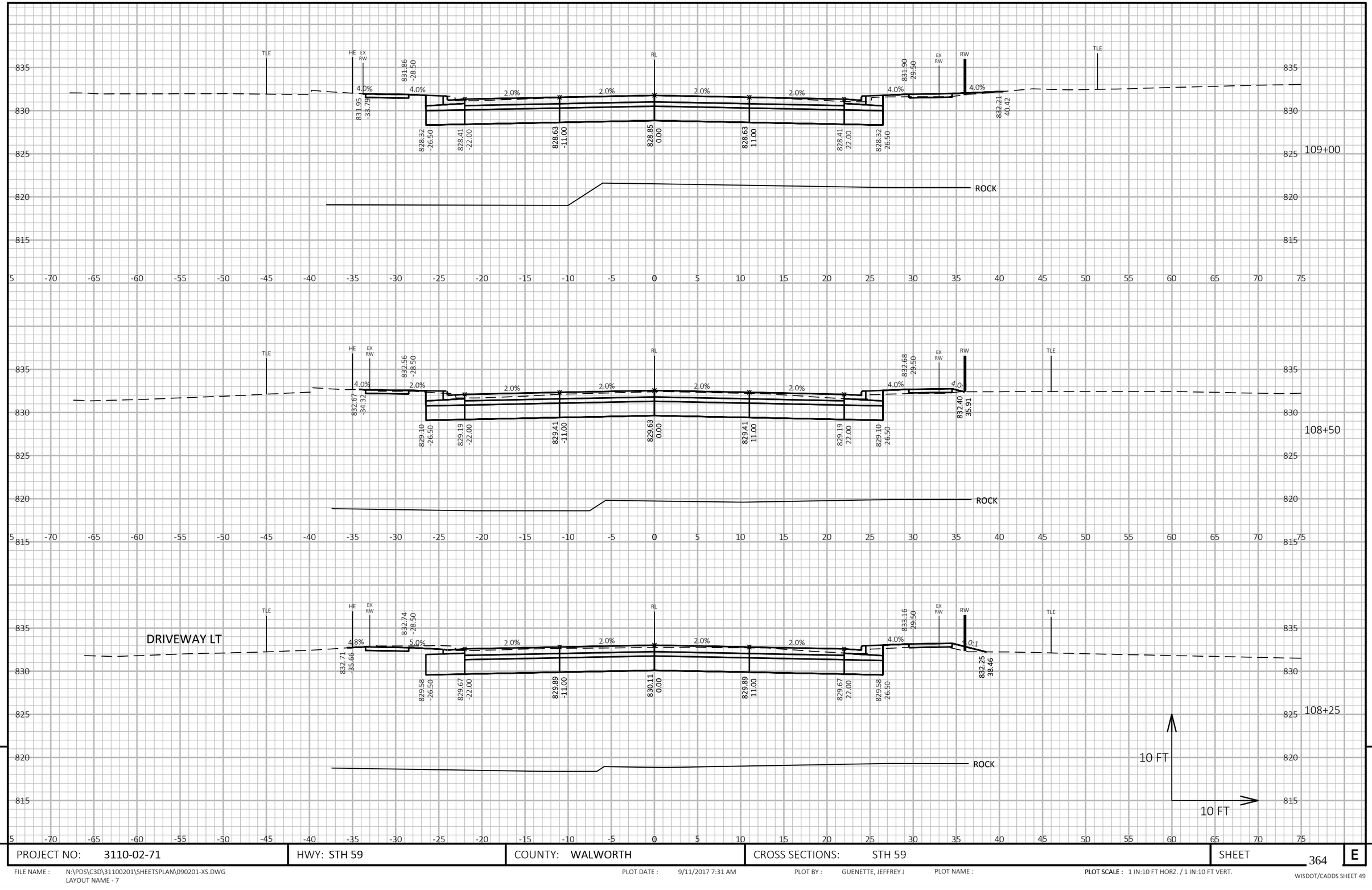
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 363	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 6

PLOT DATE : 9/11/2017 7:31 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME :

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

WISDOT/CADDS SHEET 49



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PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 364	E

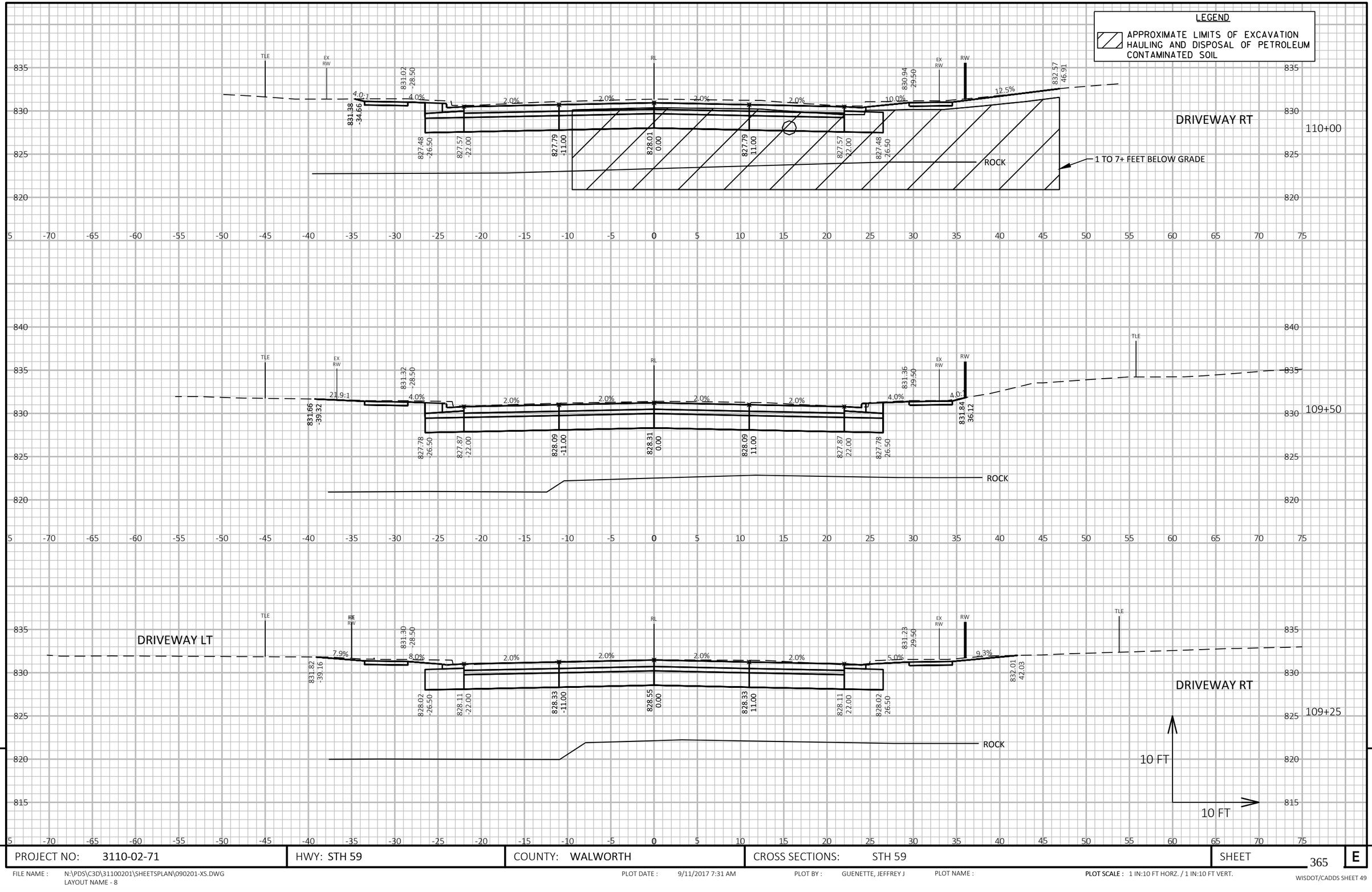
FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 7

PLOT DATE : 9/11/2017 7:31 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

APPROXIMATE LIMITS OF EXCAVATION HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL



PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 365	E

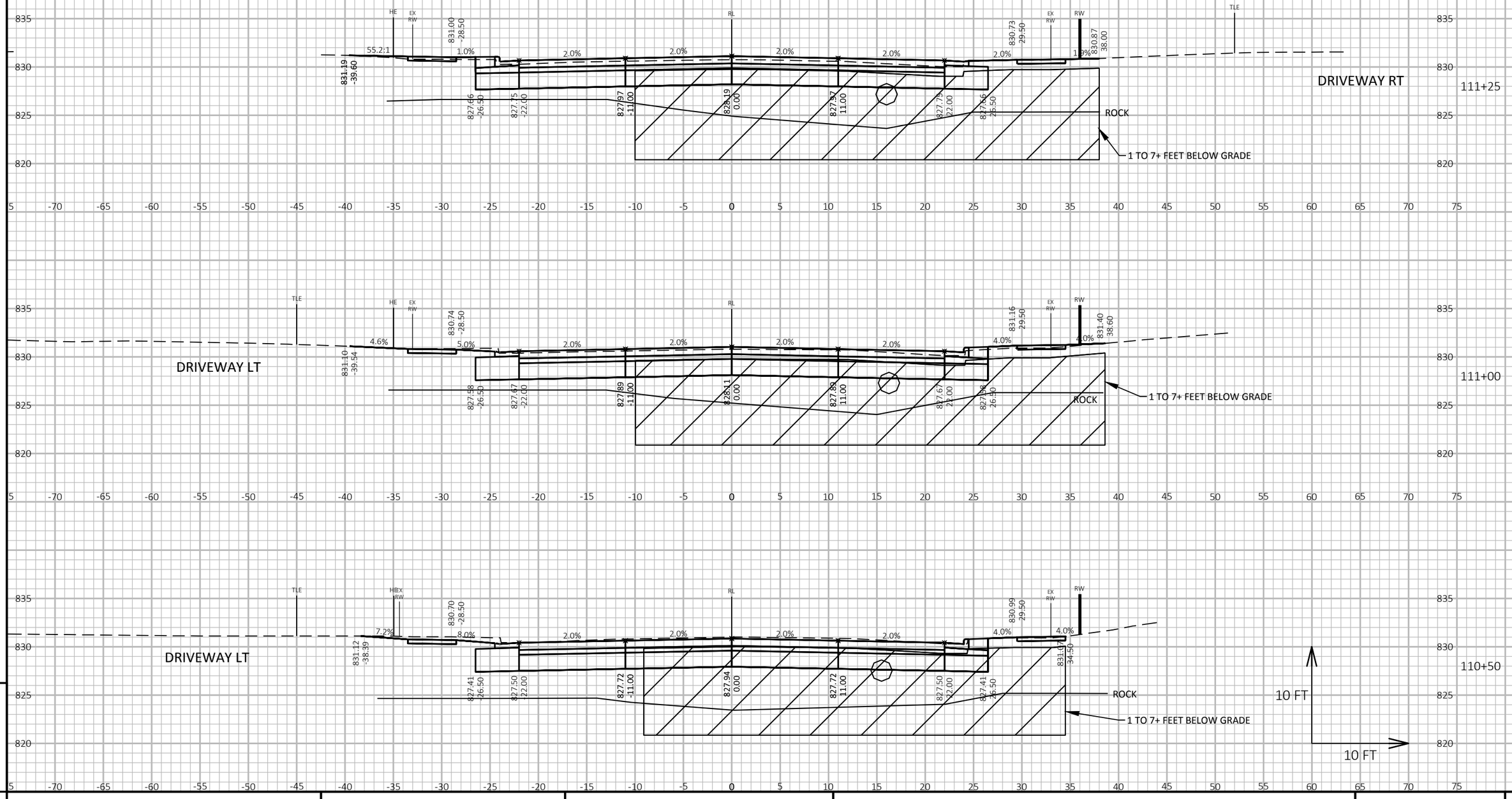
FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 8

PLOT DATE : 9/11/2017 7:31 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

APPROXIMATE LIMITS OF EXCAVATION HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL



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PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 366	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 9

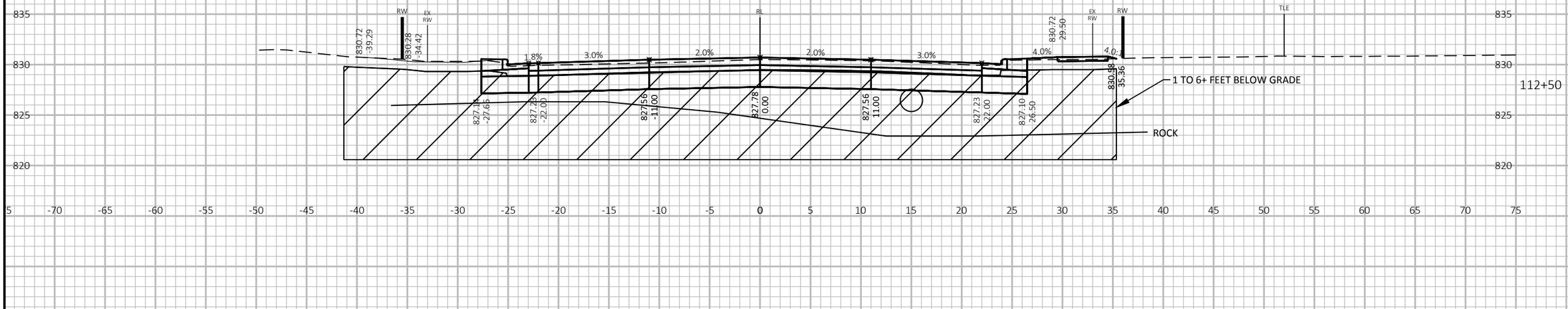
PLOT DATE : 9/11/2017 7:32 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME :

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

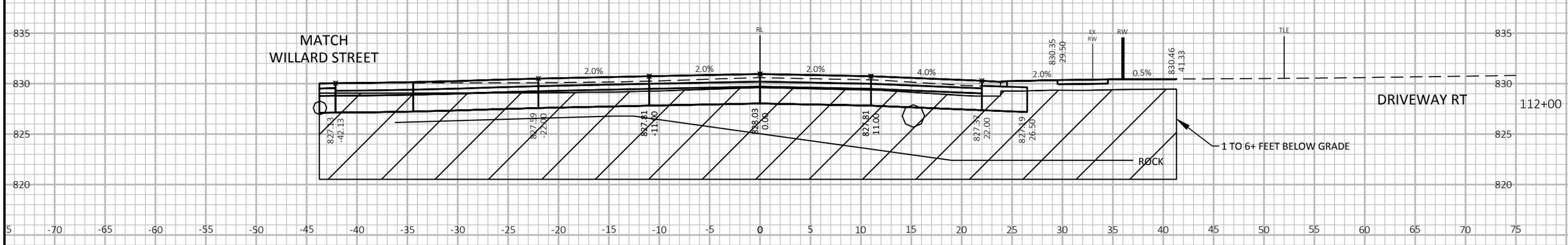
WISDOT/CADDS SHEET 49

LEGEND

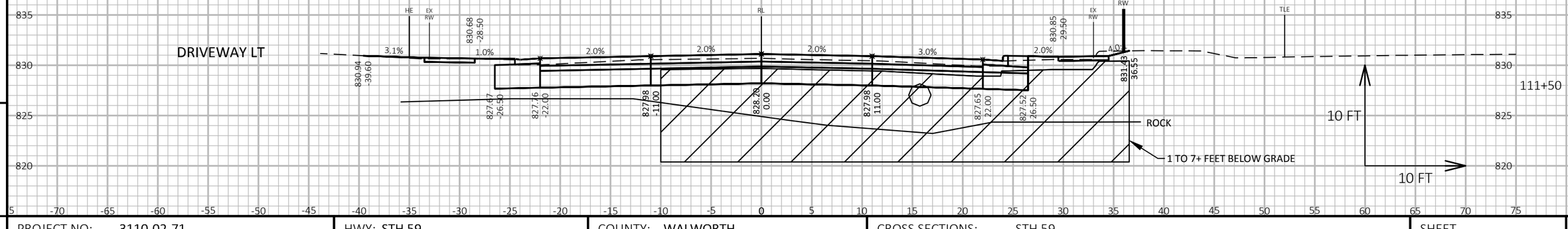
APPROXIMATE LIMITS OF EXCAVATION HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL



MATCH WILLARD STREET



DRIVEWAY LT



9 9

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 367 E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 10

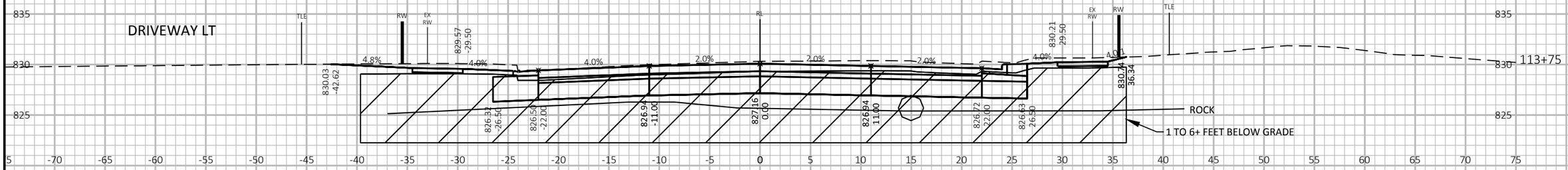
PLOT DATE : 9/11/2017 7:32 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

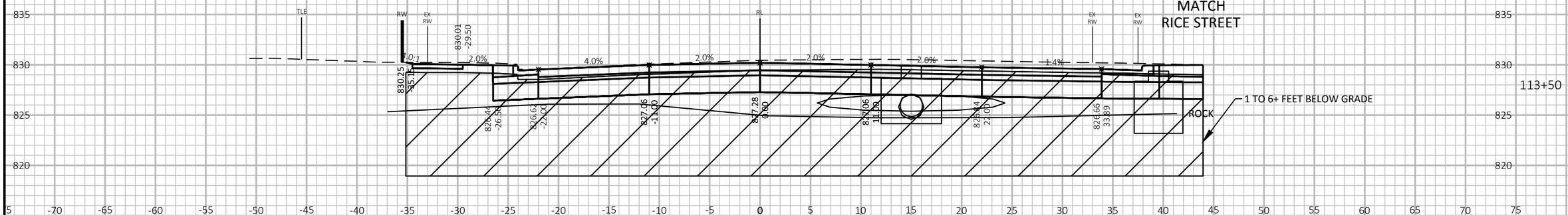
LEGEND

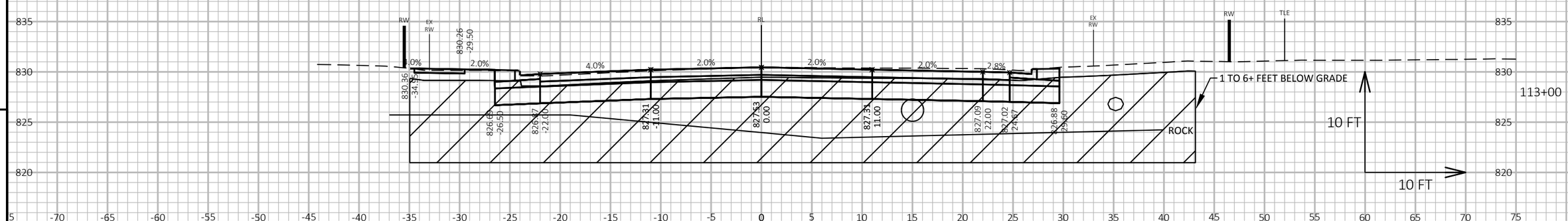
APPROXIMATE LIMITS OF EXCAVATION HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL

DRIVEWAY LT



MATCH RICE STREET





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PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 368	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 11

PLOT DATE : 9/11/2017 7:32 AM

PLOT BY : GUENETTE, JEFFREY J

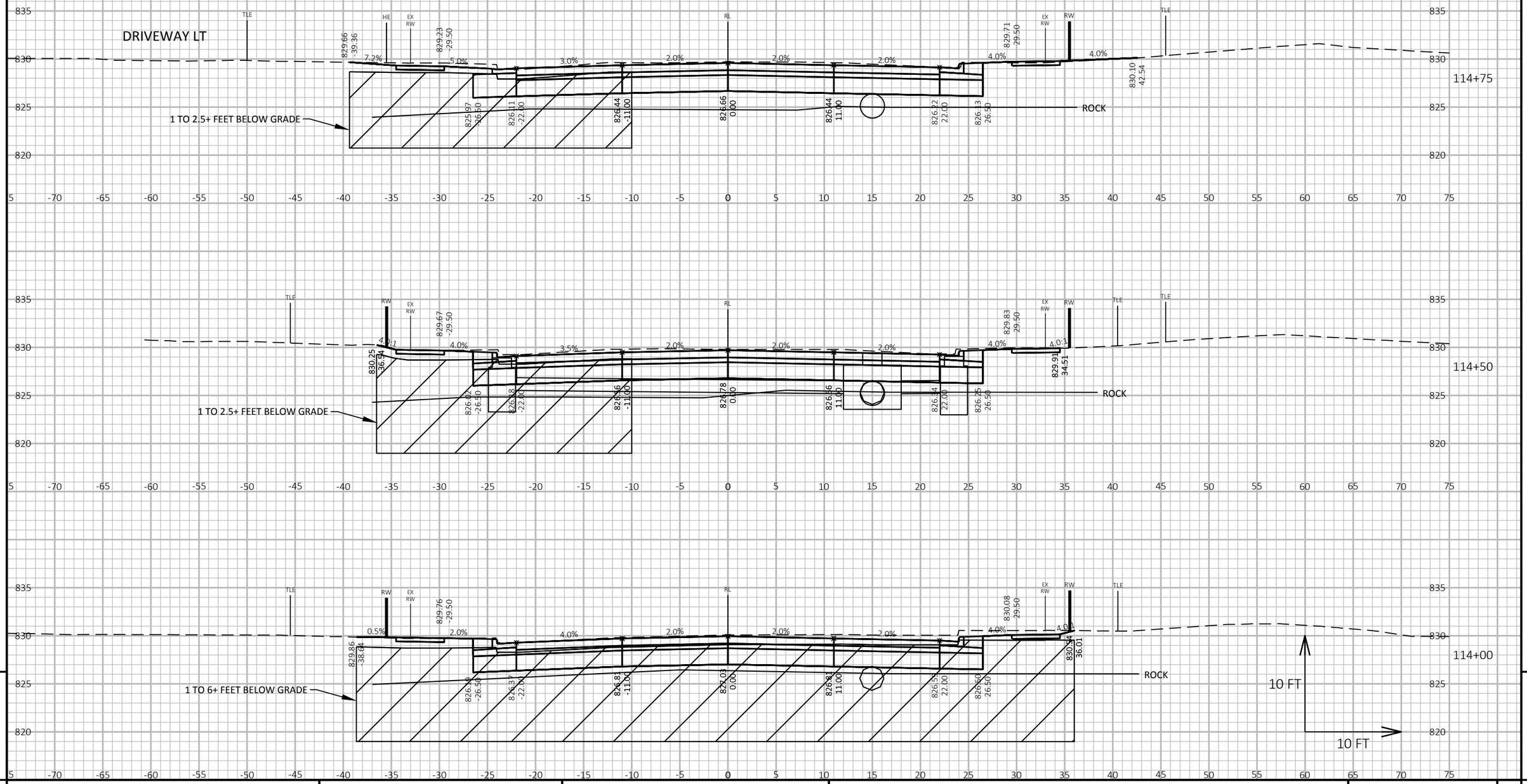
PLOT NAME :

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

WISDOT/CADDS SHEET 49

LEGEND

APPROXIMATE LIMITS OF EXCAVATION HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL



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PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 369	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 12

PLOT DATE : 9/11/2017 7:33 AM

PLOT BY : GUENETTE, JEFFREY J

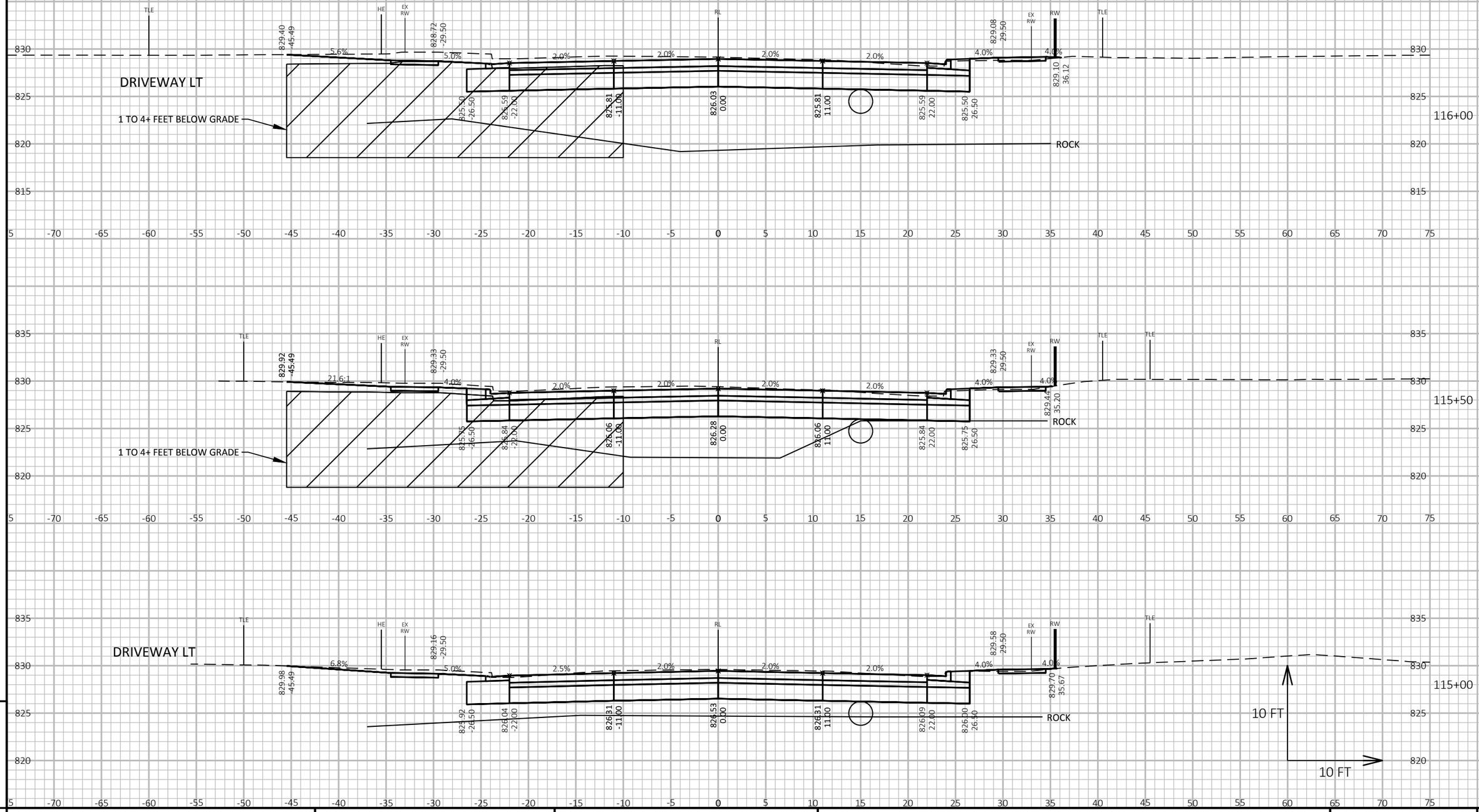
PLOT NAME :

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

WISDOT/CADDS SHEET 49

LEGEND

APPROXIMATE LIMITS OF EXCAVATION HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL



PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 370 E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 13

PLOT DATE : 9/11/2017 7:33 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME :

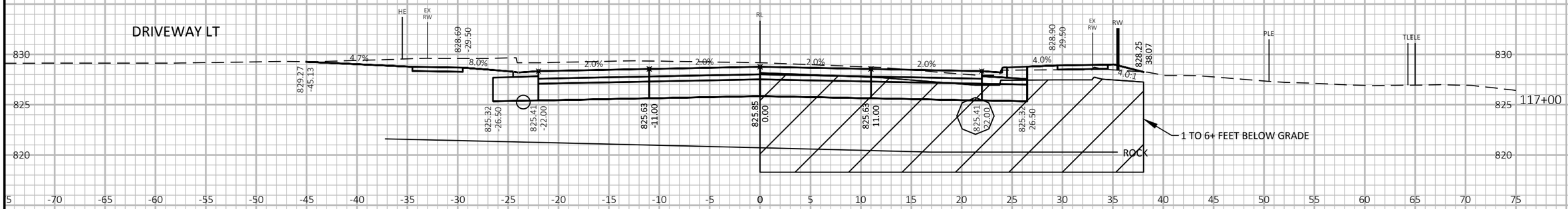
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

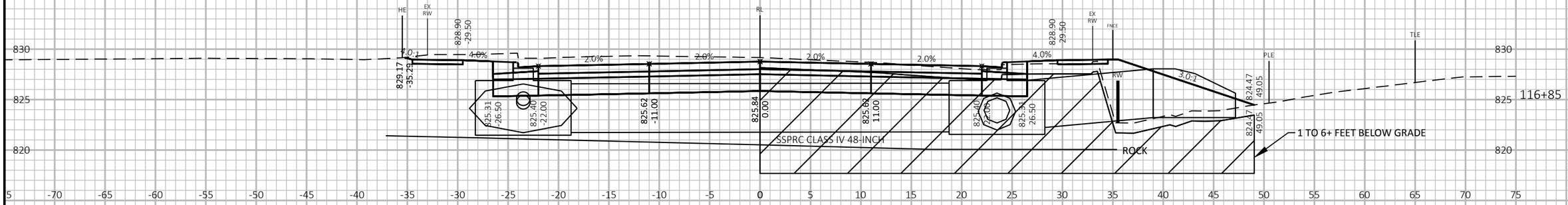
WISDOT/CADDS SHEET 49

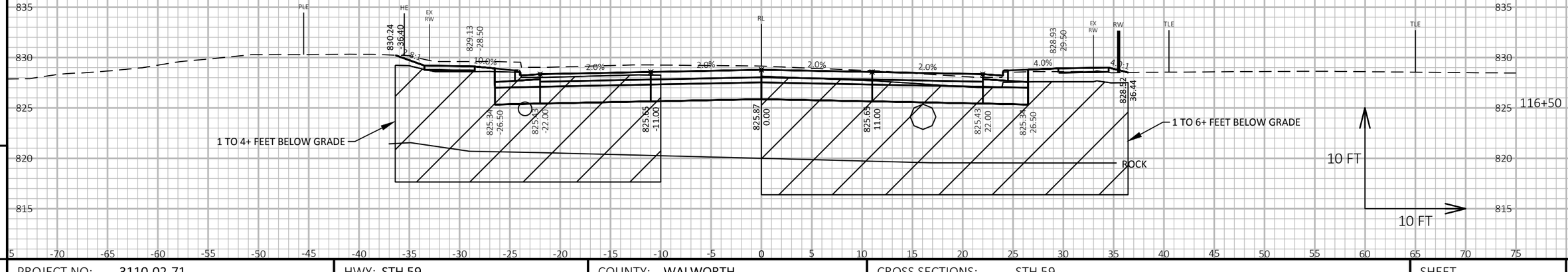
LEGEND

APPROXIMATE LIMITS OF EXCAVATION HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL

DRIVEWAY LT







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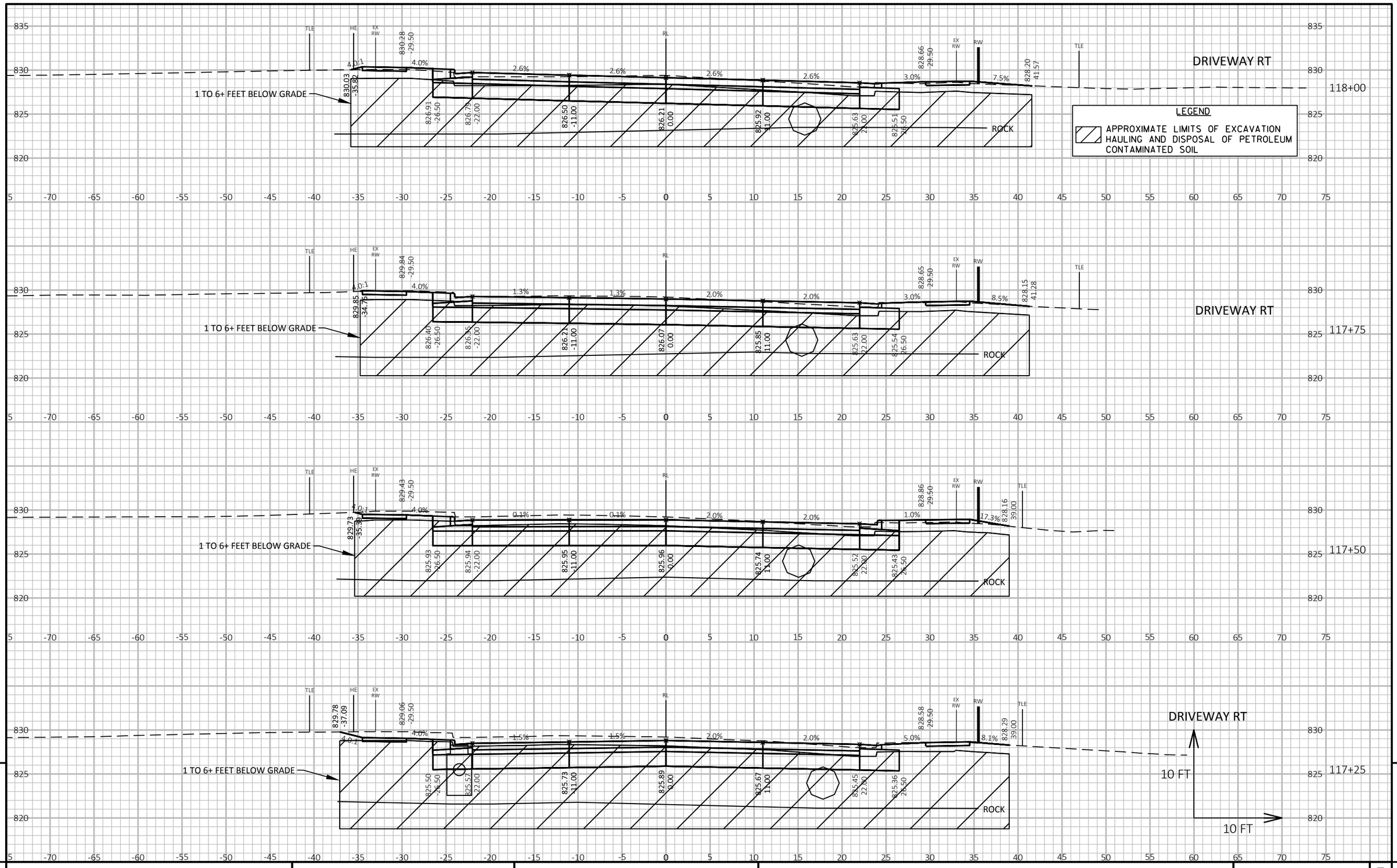
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 371	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 14

PLOT DATE : 9/11/2017 7:33 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 372	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 15

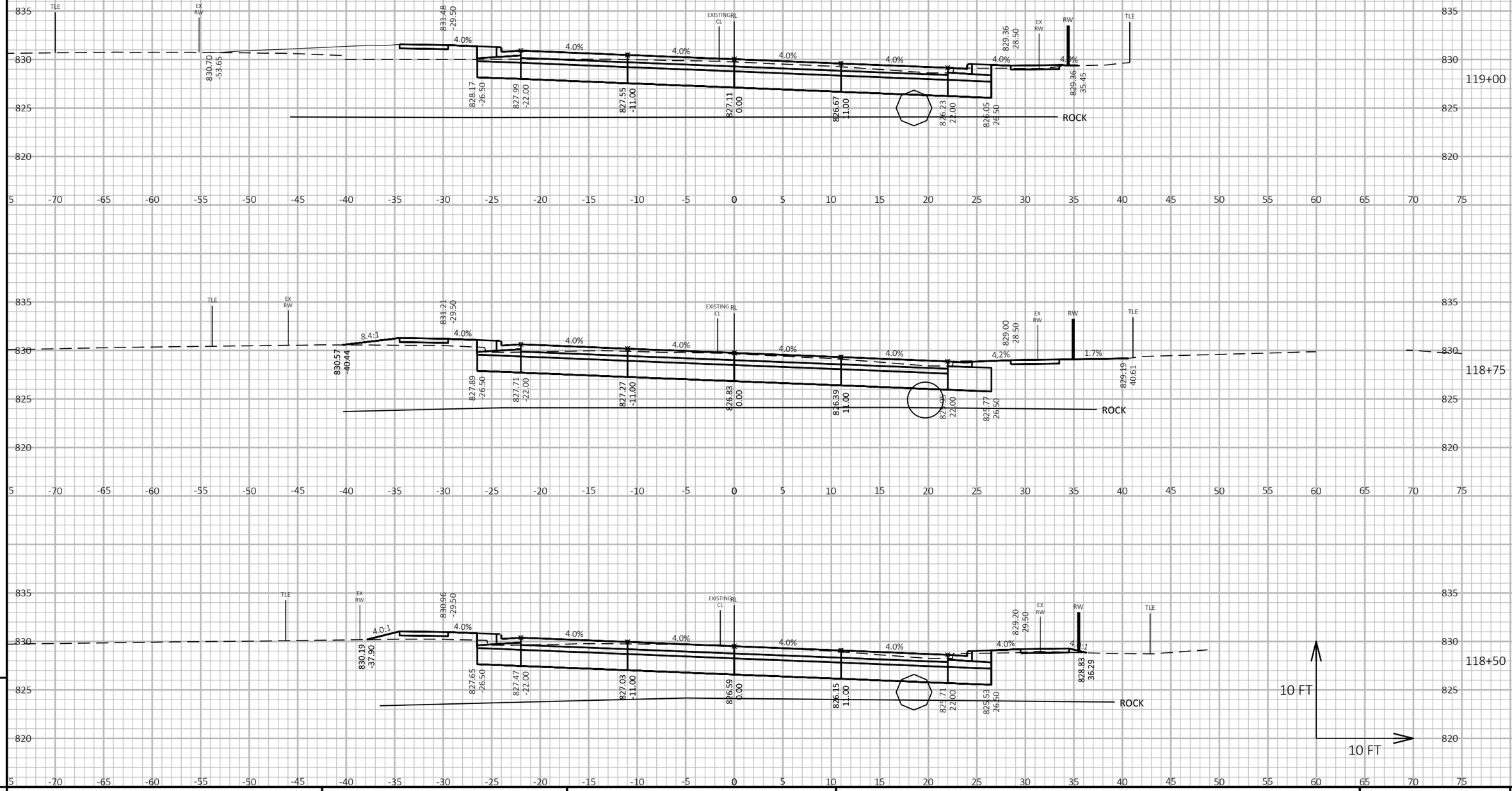
PLOT DATE : 9/11/2017 7:33 AM

PLOT BY : GUENETTE, JEFFREY J

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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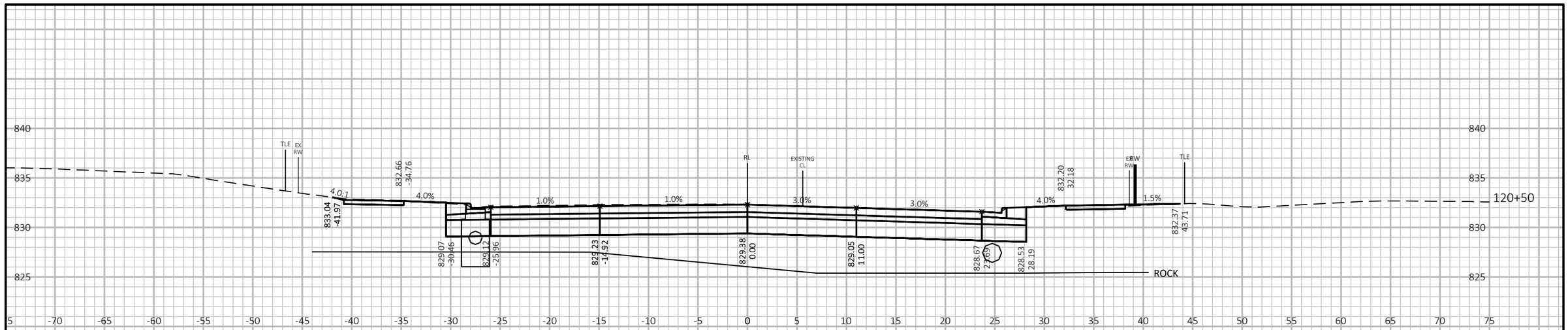
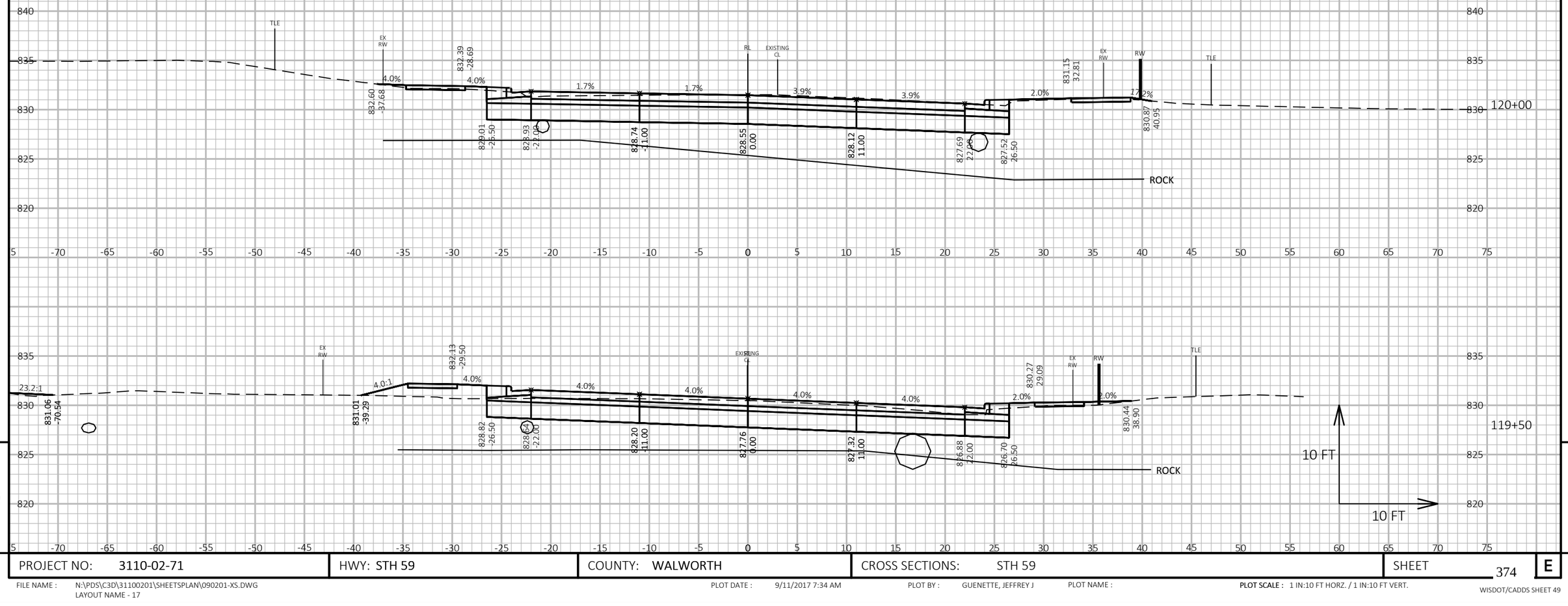
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 373 E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 16

PLOT DATE : 9/11/2017 7:34 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.





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PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 374	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 17

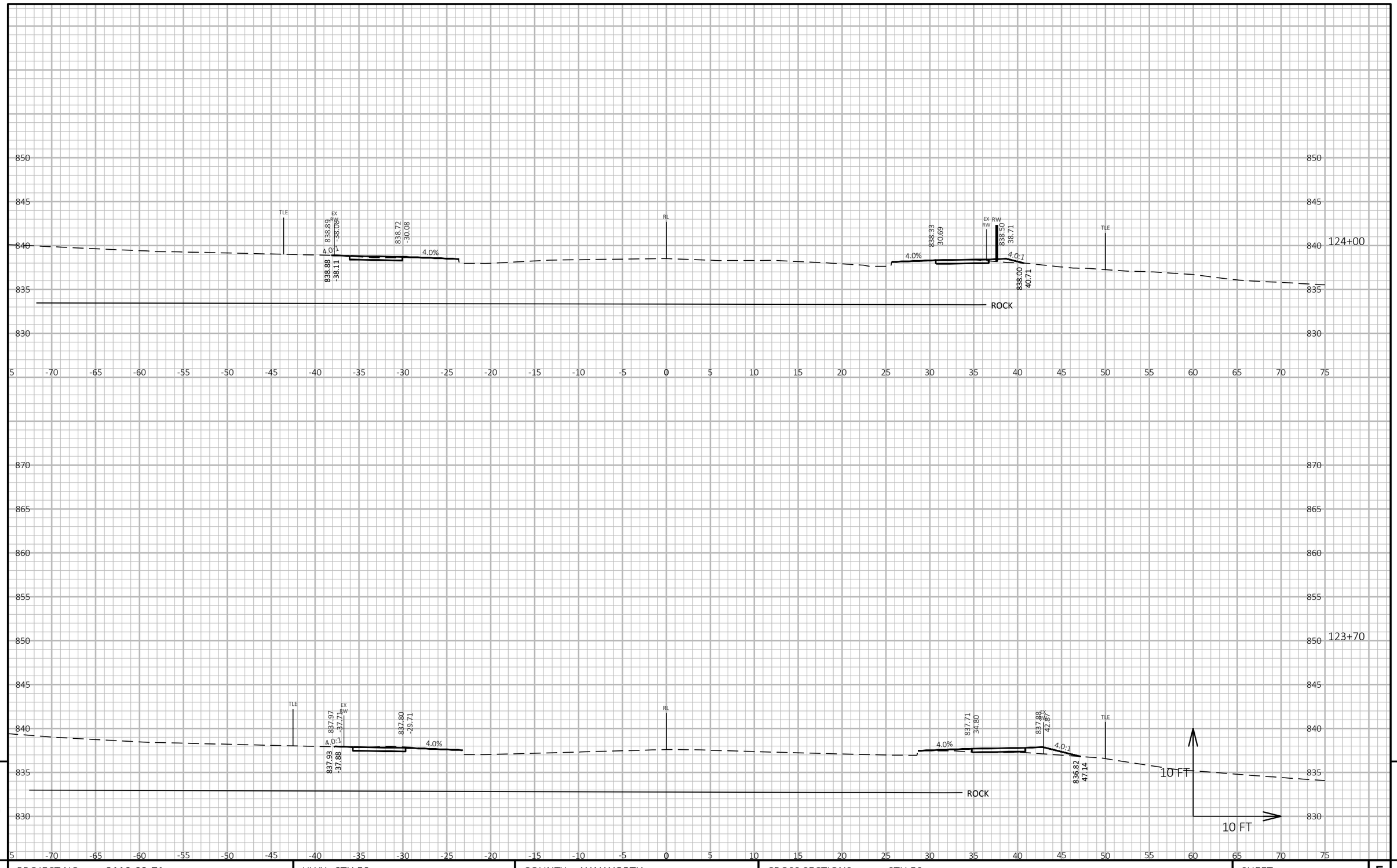
PLOT DATE : 9/11/2017 7:34 AM

PLOT BY : GUENETTE, JEFFREY J

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 375	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 18

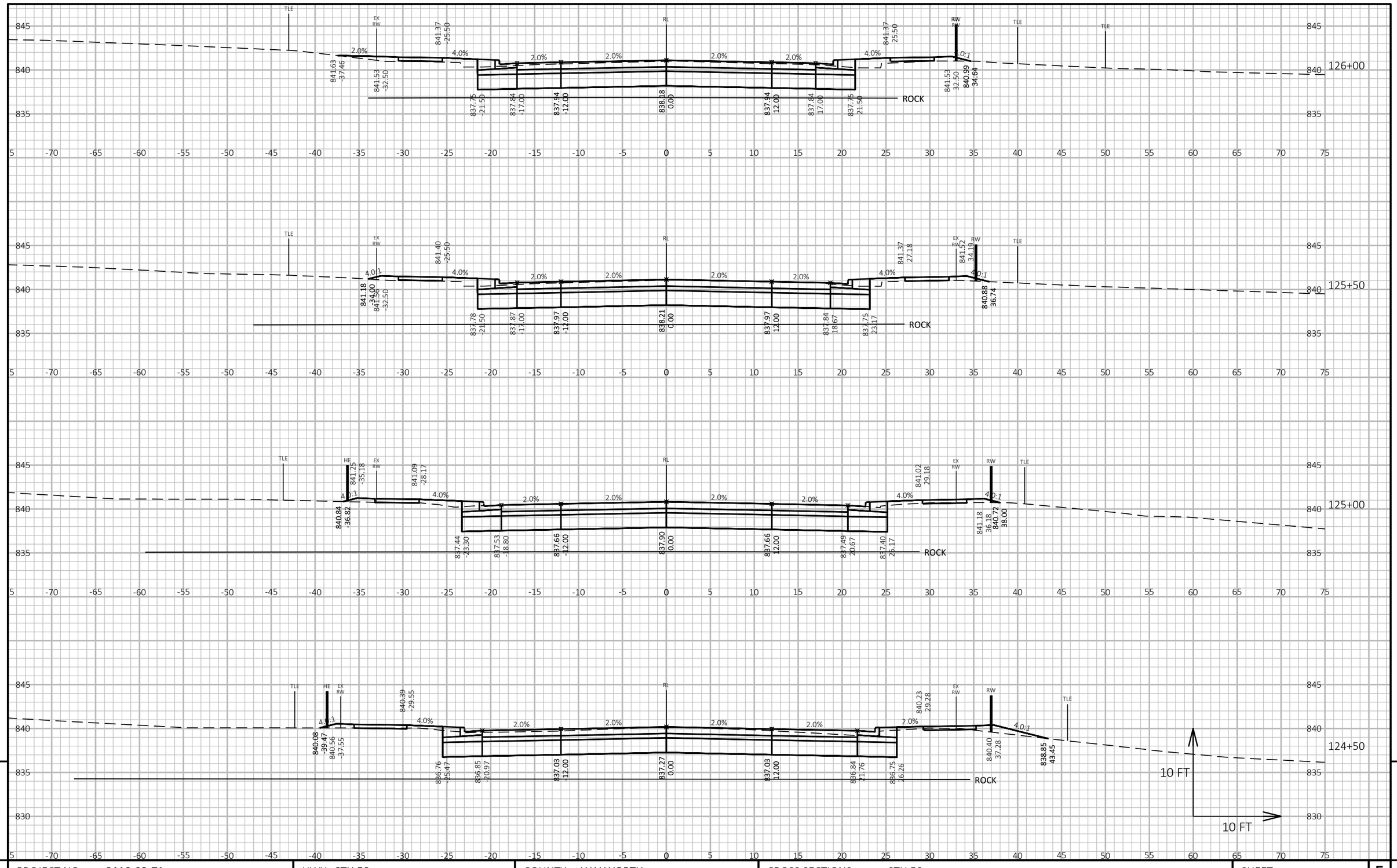
PLOT DATE : 9/11/2017 7:34 AM

PLOT BY : GUENETTE, JEFFREY J

PLOT NAME :

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

WISDOT/CADDS SHEET 49

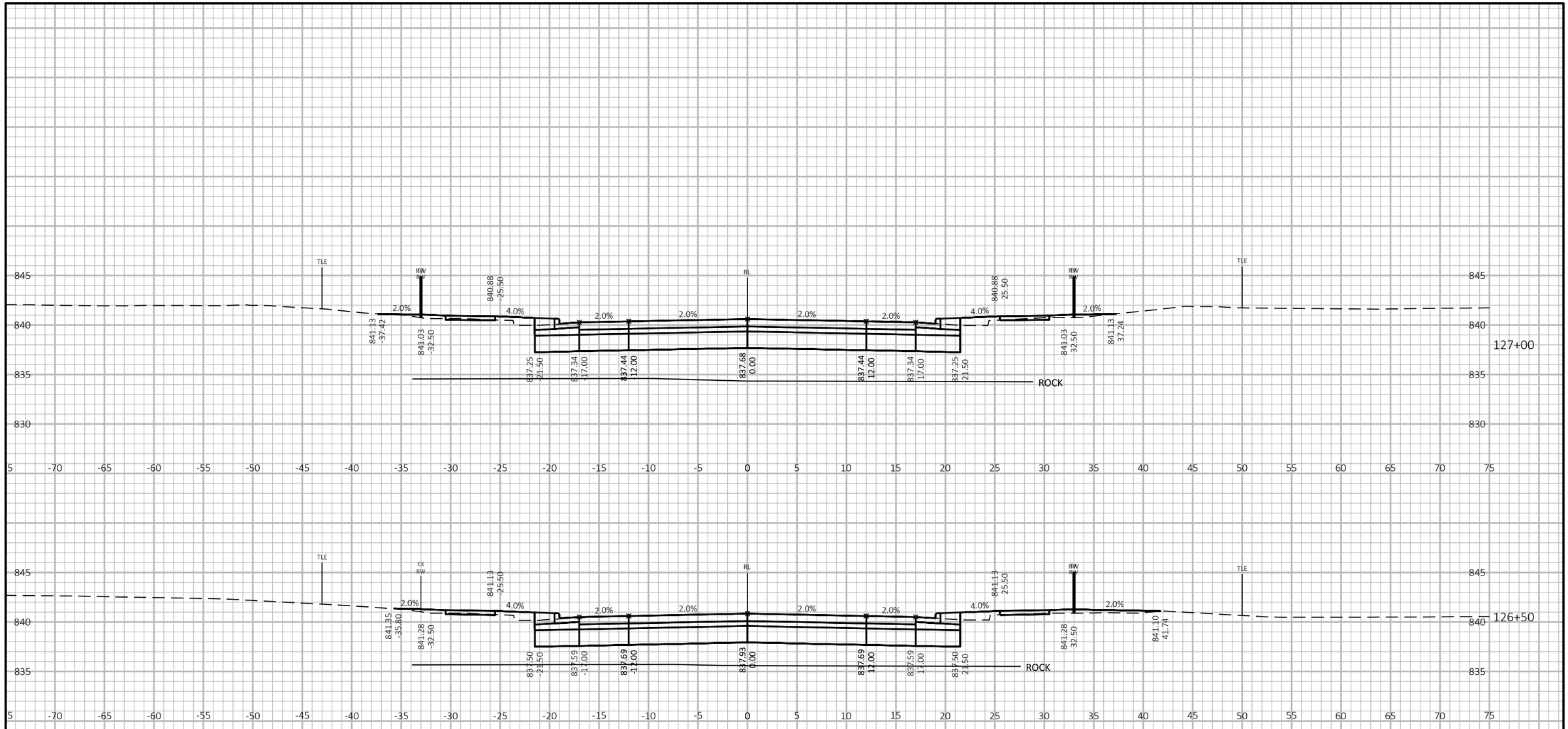


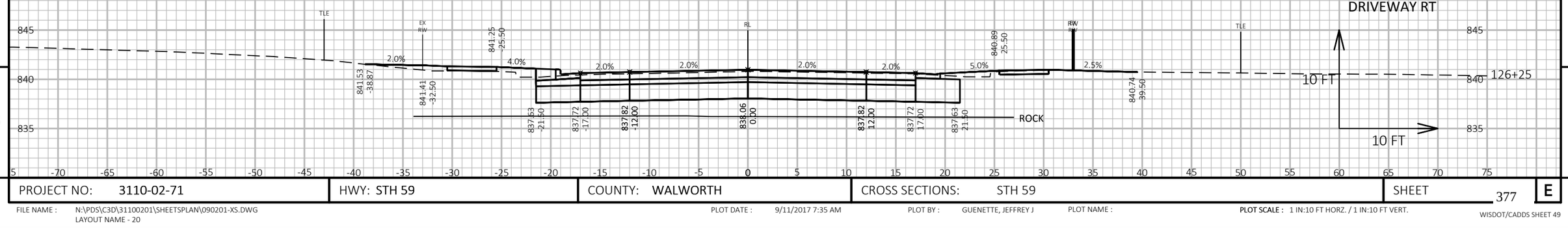
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 376	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 19

PLOT DATE : 9/11/2017 7:35 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 377	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 20

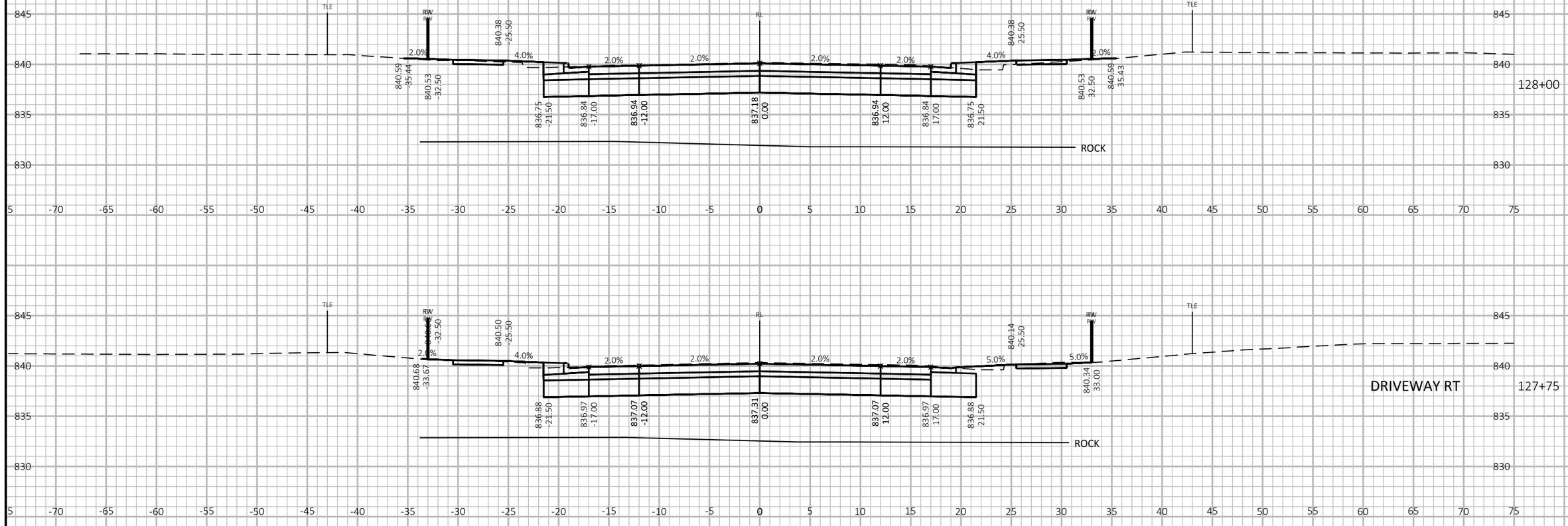
PLOT DATE : 9/11/2017 7:35 AM

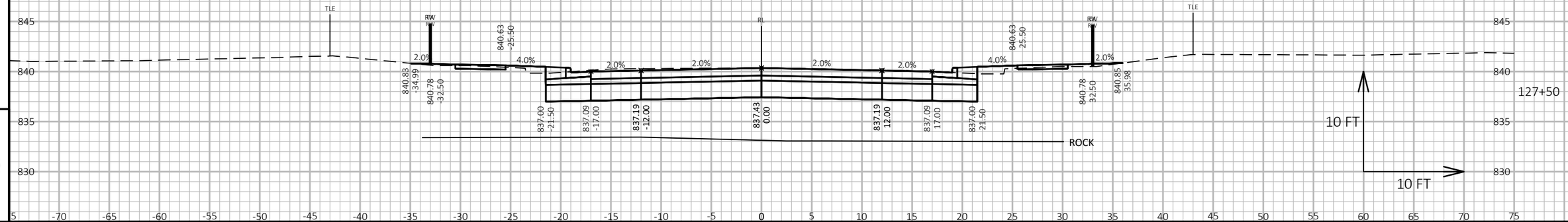
PLOT BY : GUENETTE, JEFFREY J

PLOT NAME :

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

WISDOT/CADDS SHEET 49





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9

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 378	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 21

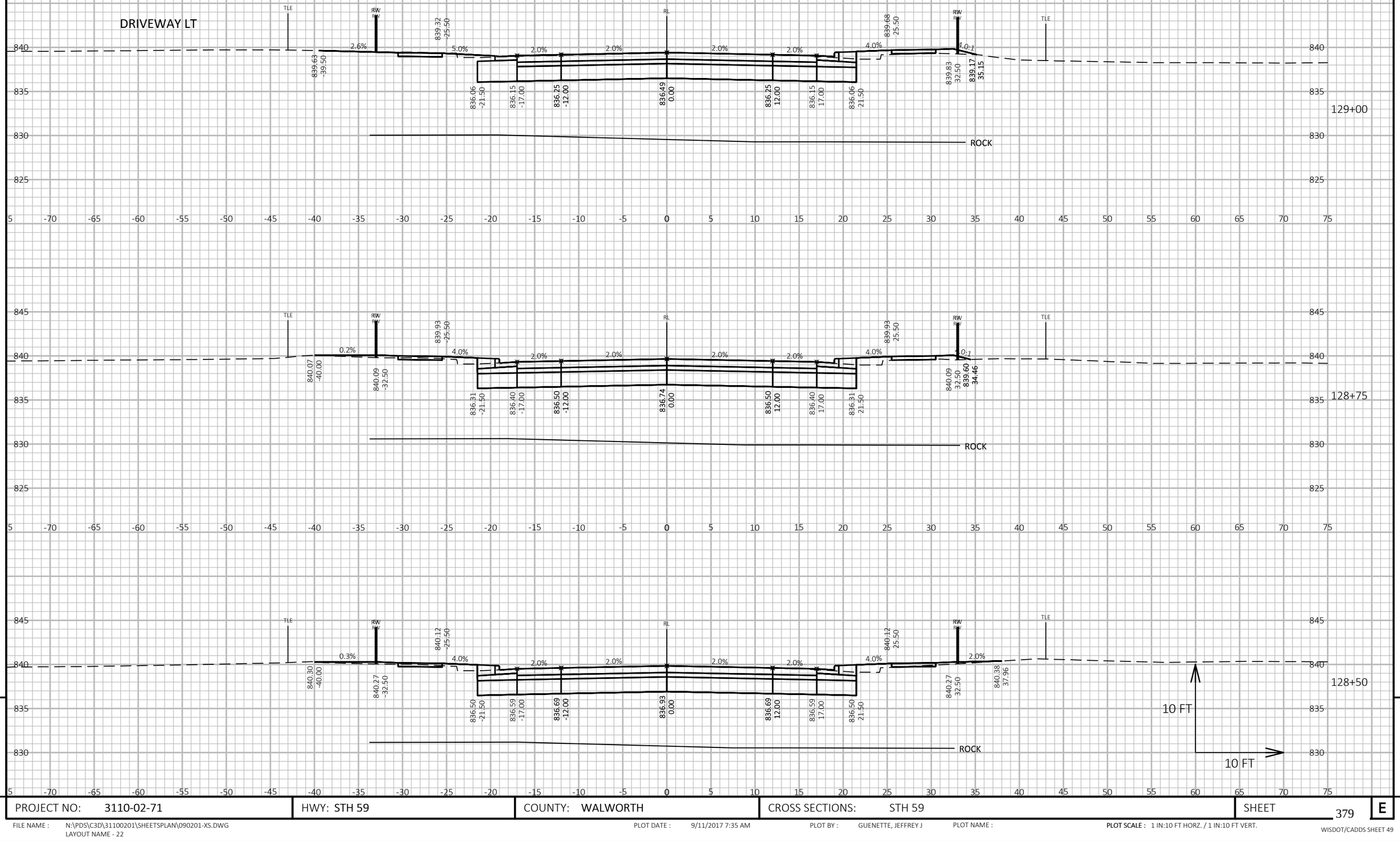
PLOT DATE : 9/11/2017 7:35 AM

PLOT BY : GUENETTE, JEFFREY J

PLOT NAME :

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

WISDOT/CADDS SHEET 49



9

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PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 379	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 22

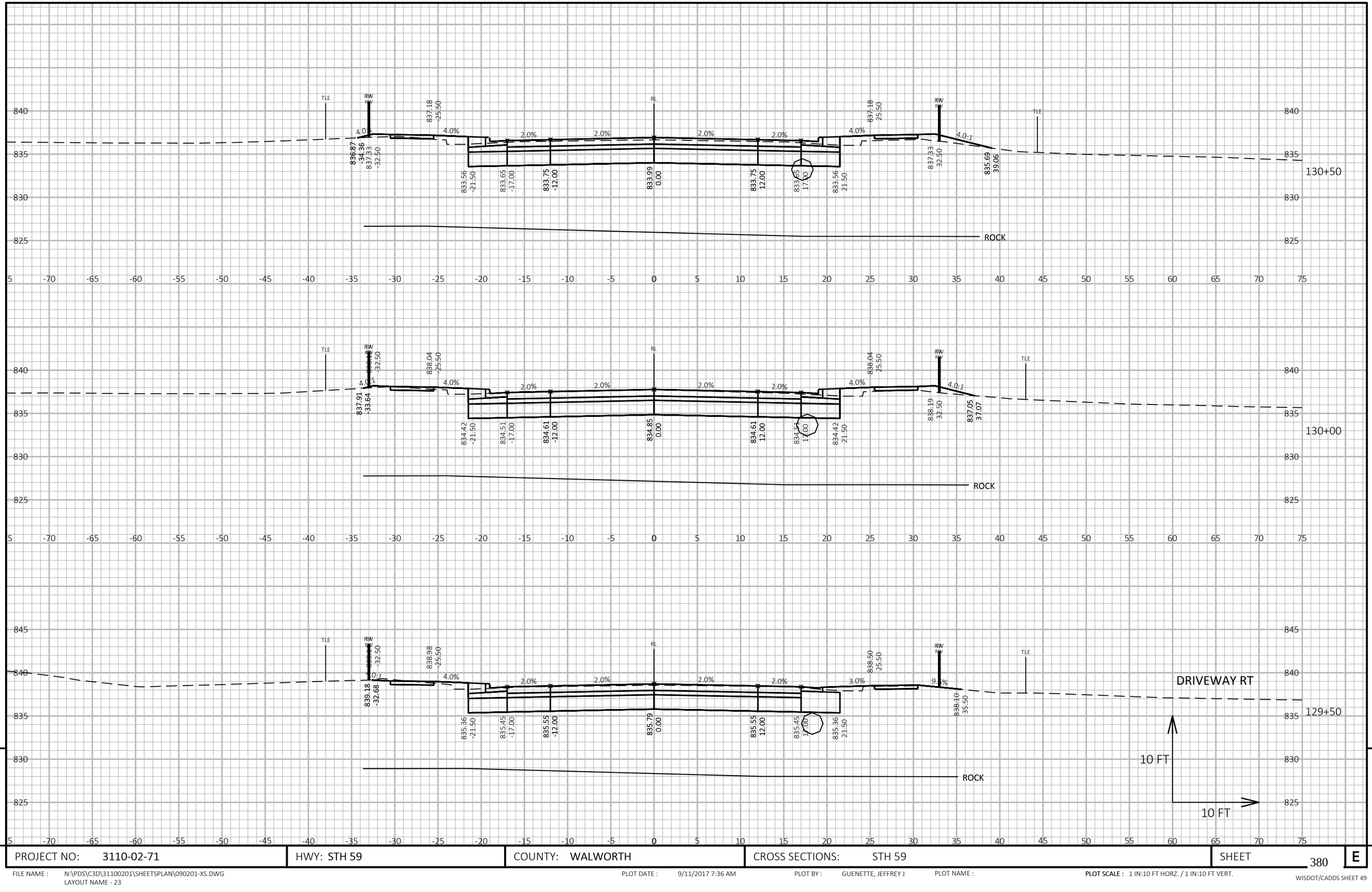
PLOT DATE : 9/11/2017 7:35 AM

PLOT BY : GUENETTE, JEFFREY J

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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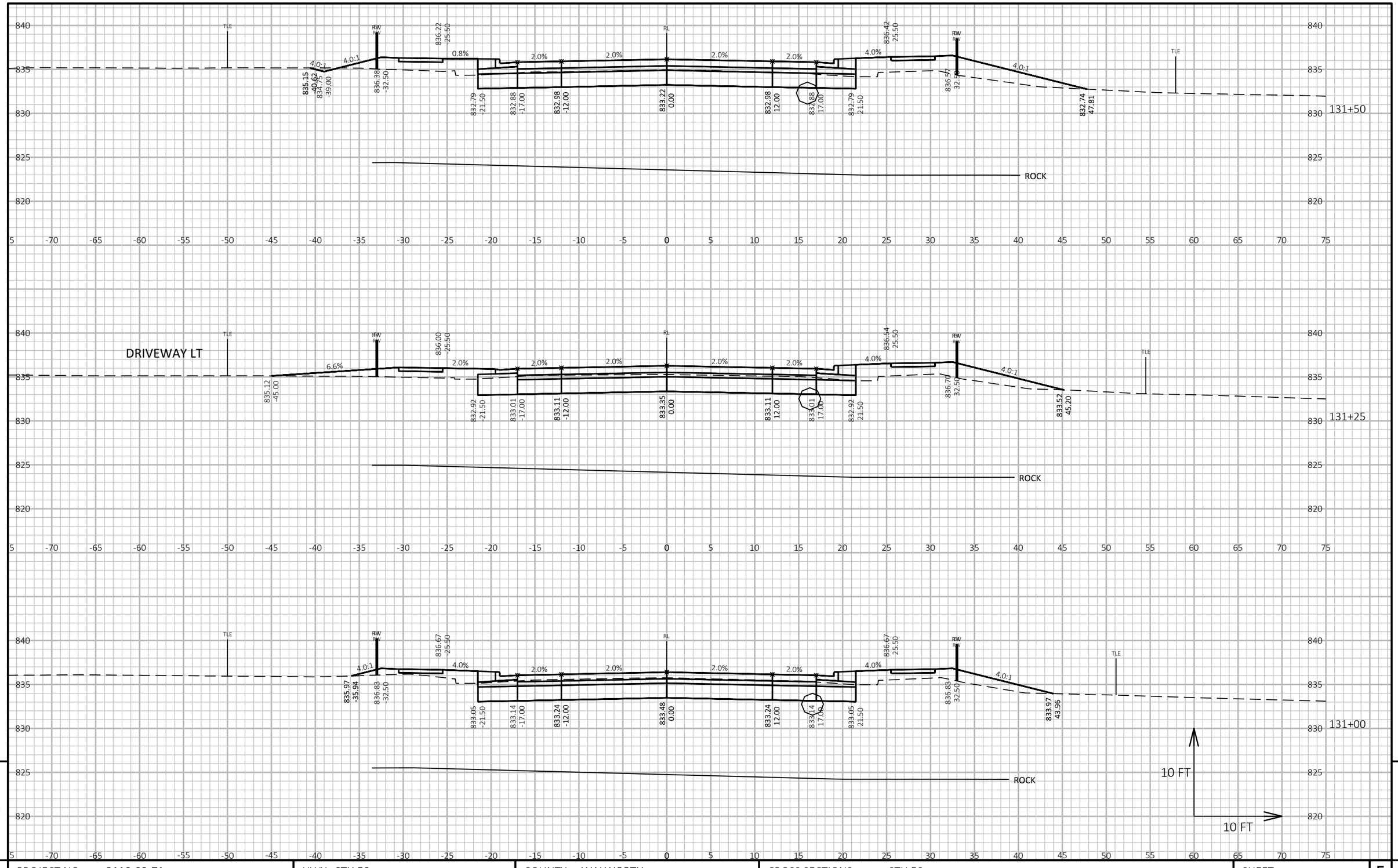
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 380	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 23

PLOT DATE : 9/11/2017 7:36 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 381 E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 24

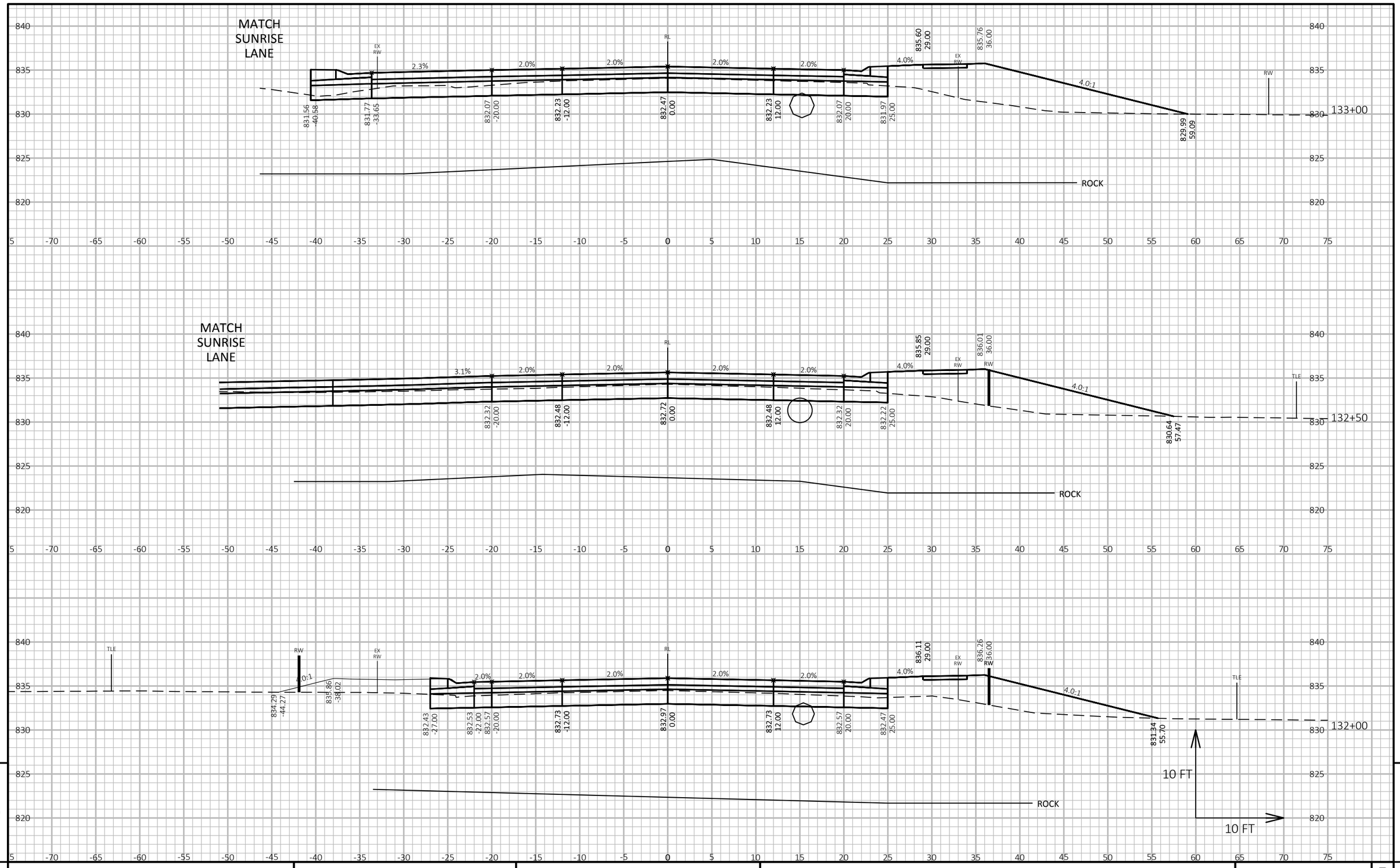
PLOT DATE : 9/11/2017 7:36 AM

PLOT BY : GUENETTE, JEFFREY J

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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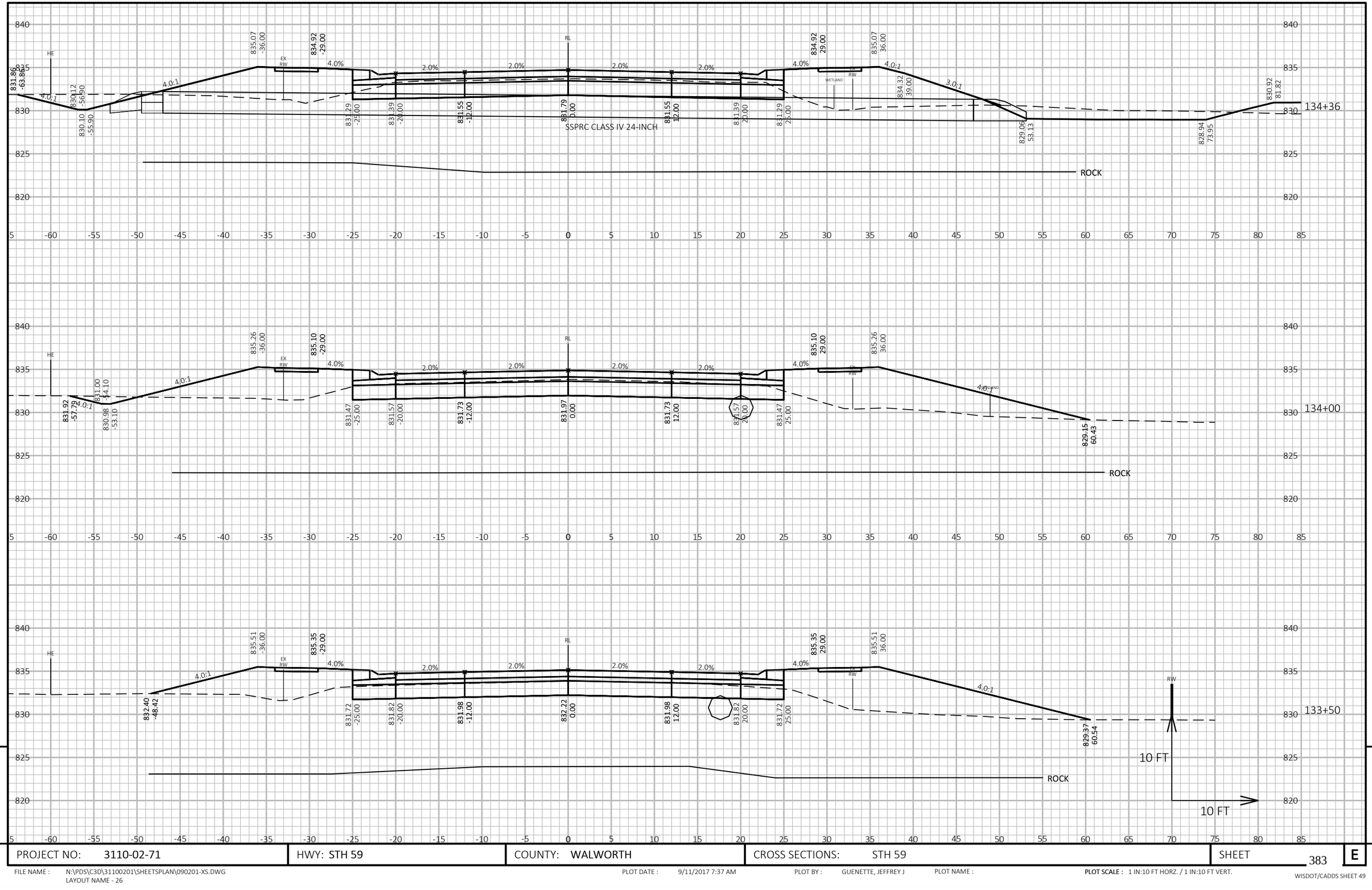
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 382	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 25

PLOT DATE : 9/11/2017 7:36 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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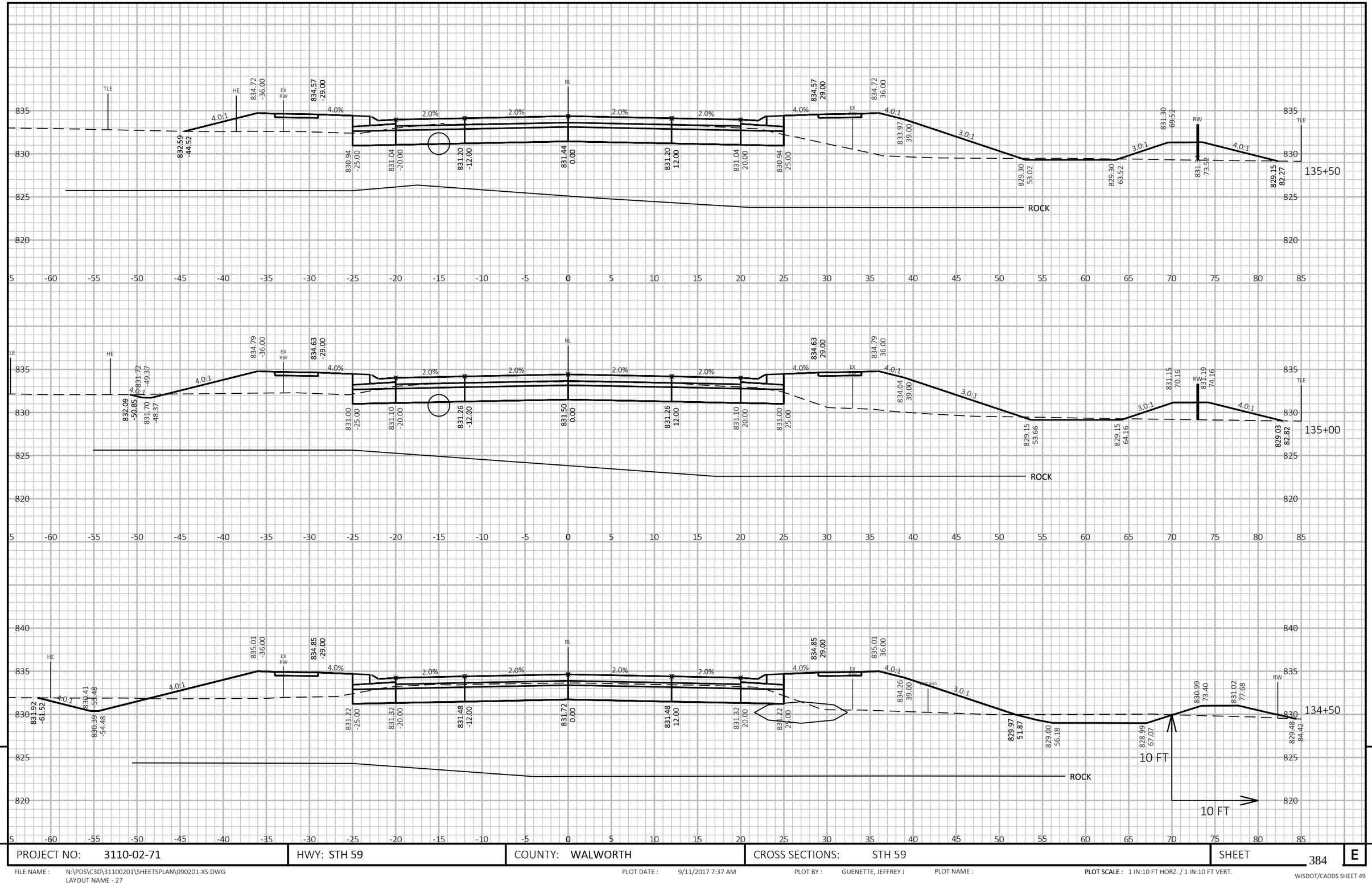
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 383	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 26

PLOT DATE : 9/11/2017 7:37 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

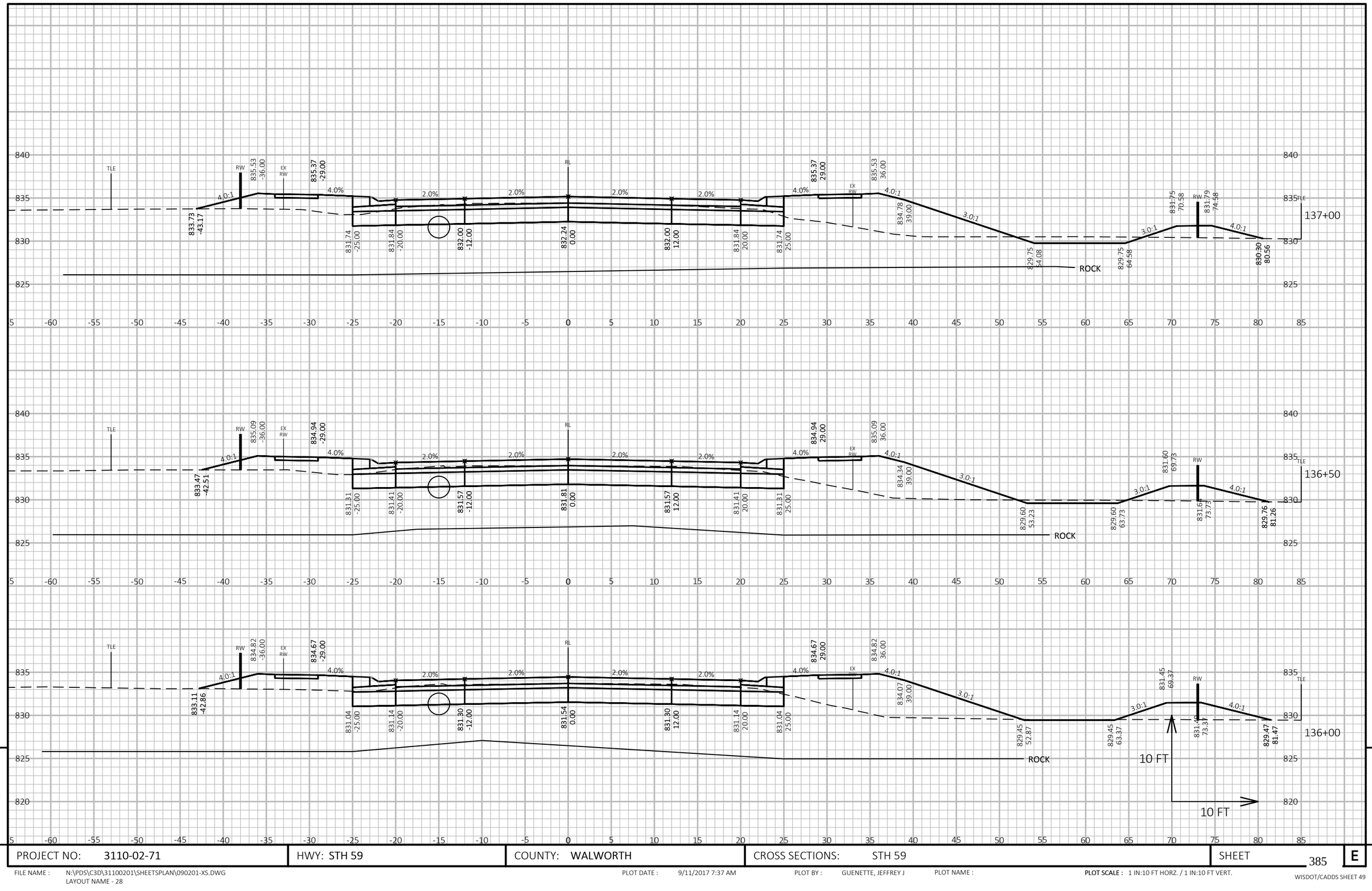


PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 384 E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 27

PLOT DATE : 9/11/2017 7:37 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 385	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 28

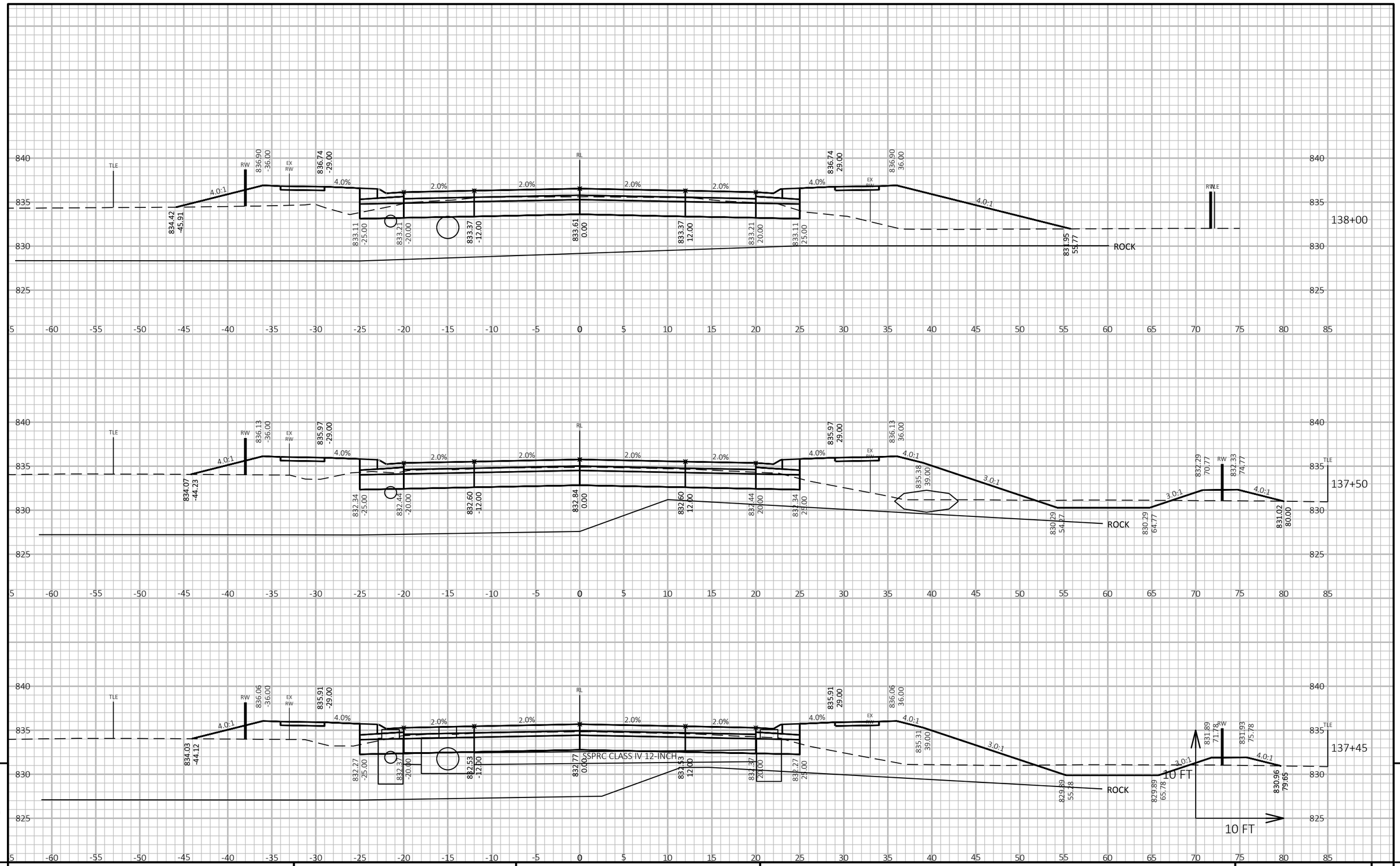
PLOT DATE : 9/11/2017 7:37 AM

PLOT BY : GUENETTE, JEFFREY J

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 386	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 29

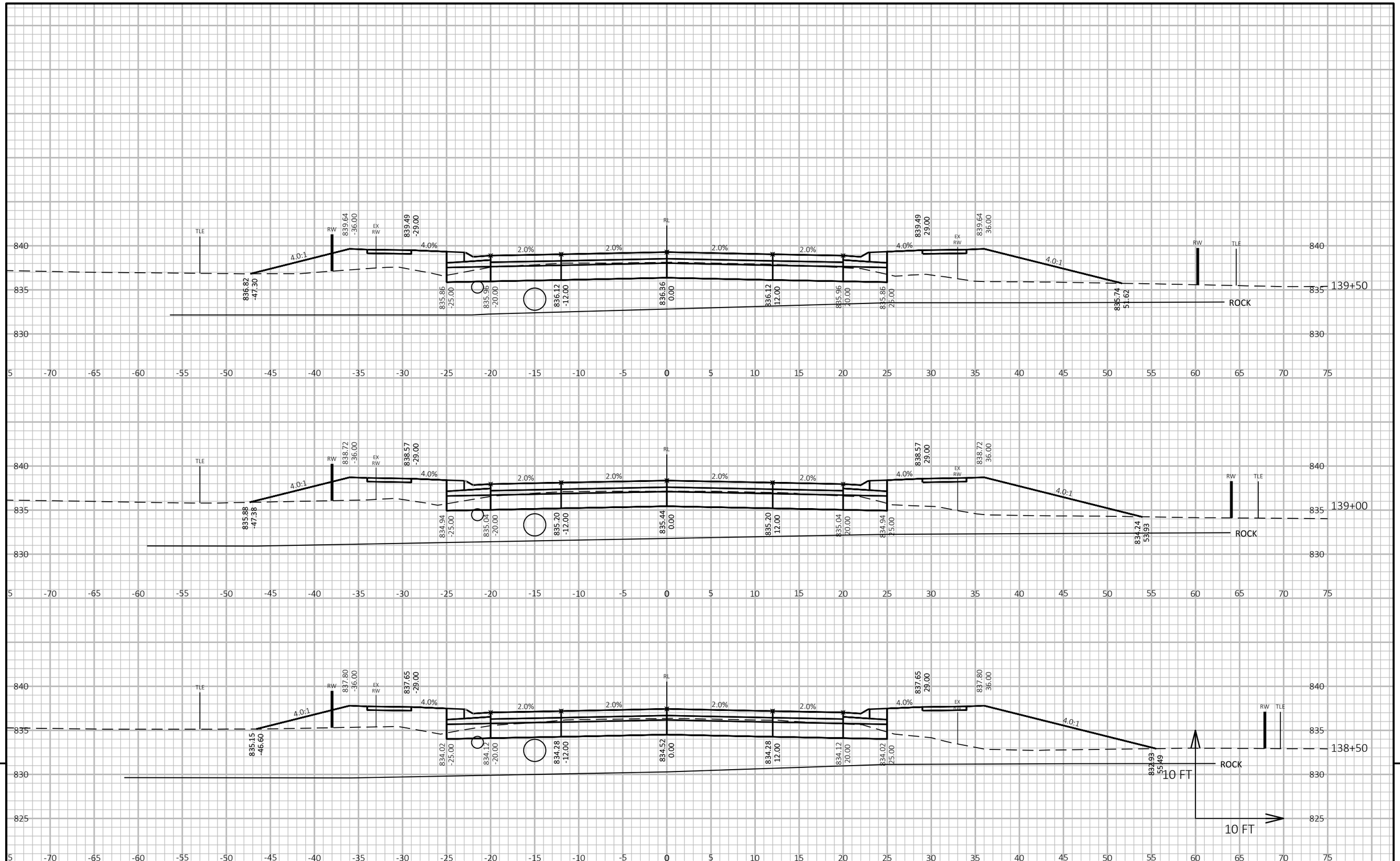
PLOT DATE : 9/11/2017 7:37 AM

PLOT BY : GUENETTE, JEFFREY J

PLOT NAME :

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

WISDOT/CADDS SHEET 49

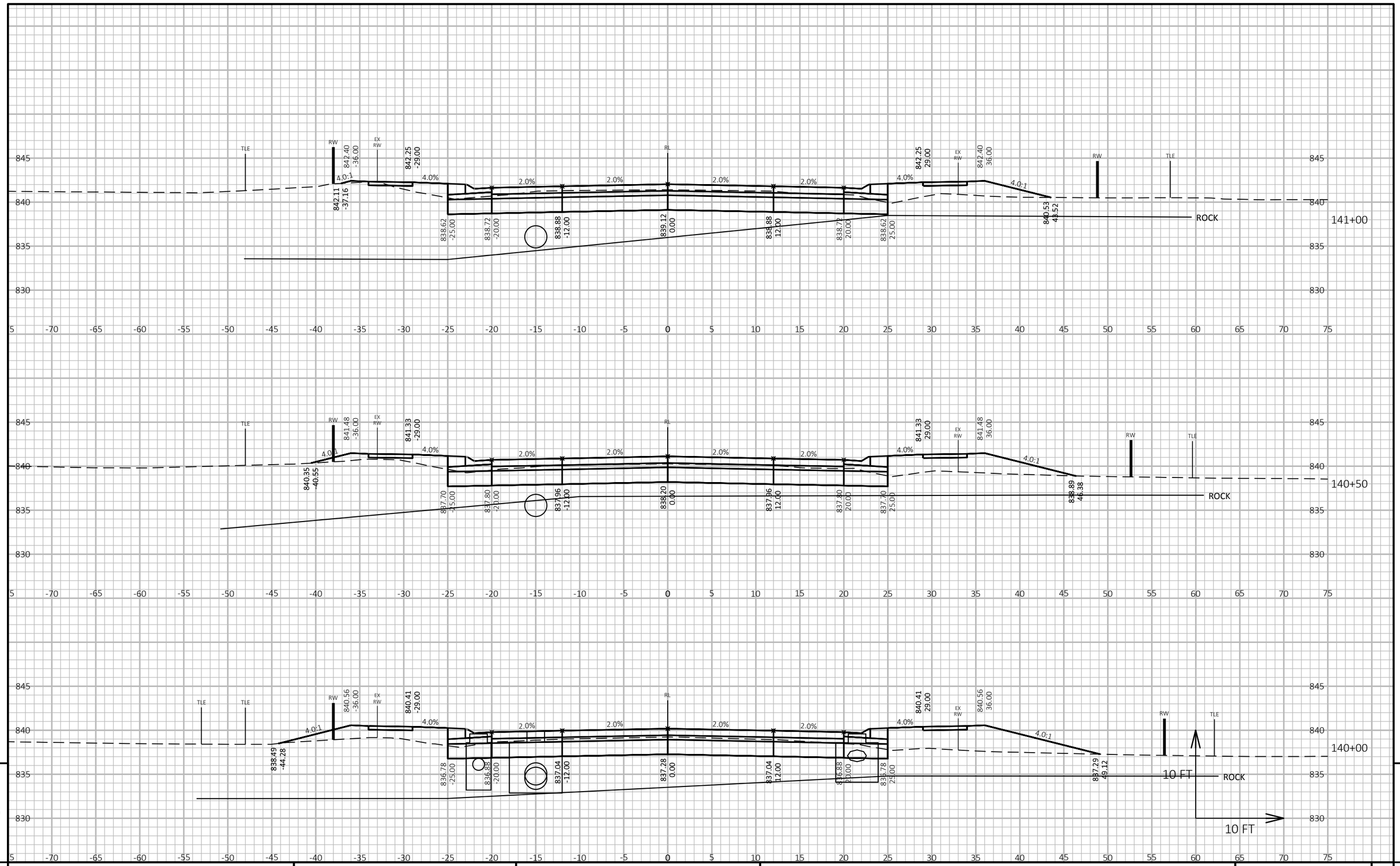


PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 387 E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 30

PLOT DATE : 9/11/2017 7:38 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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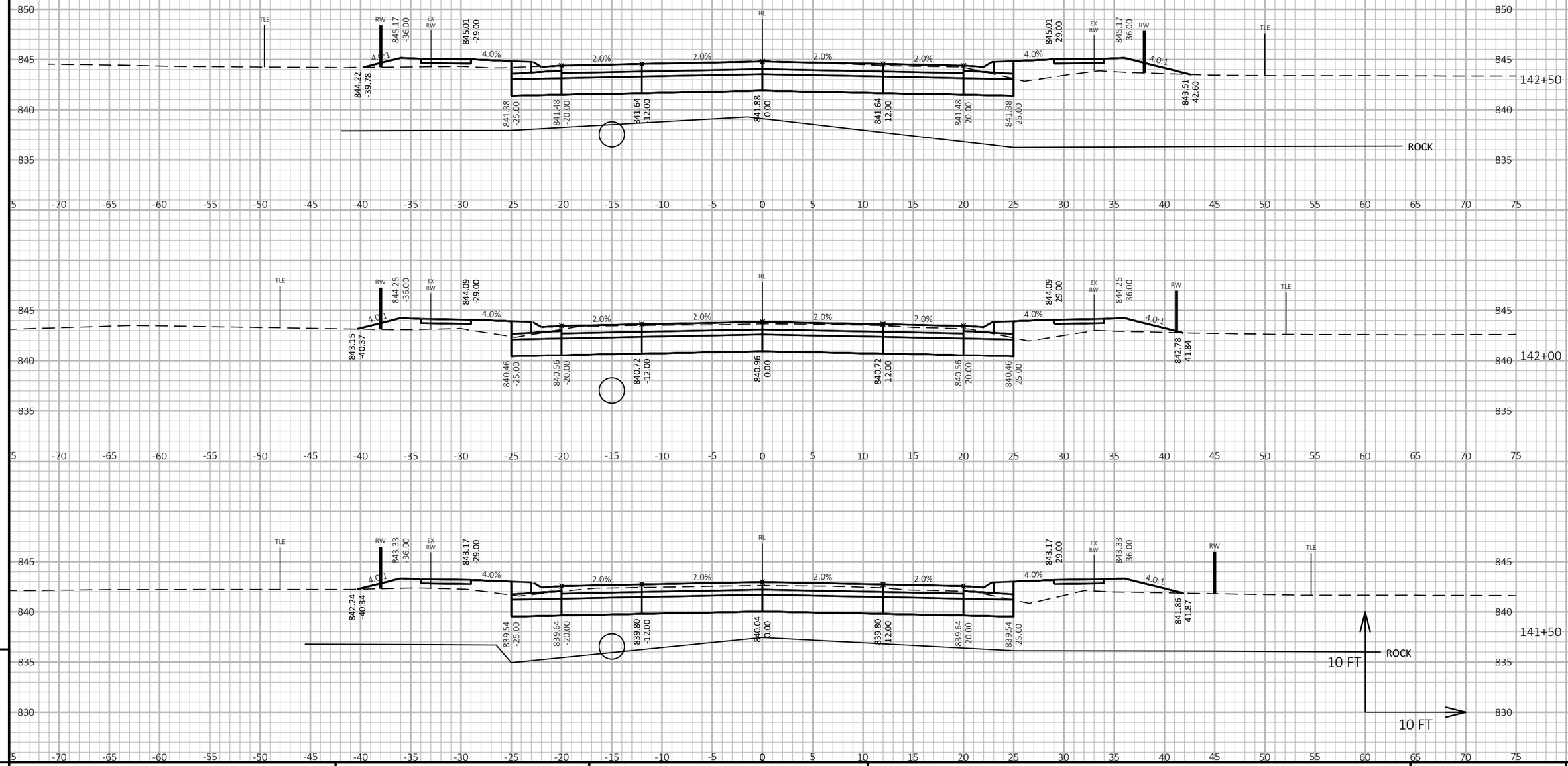
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 388	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 31

PLOT DATE : 9/11/2017 7:38 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME :

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

WISDOT/CADDS SHEET 49



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PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 389	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 32

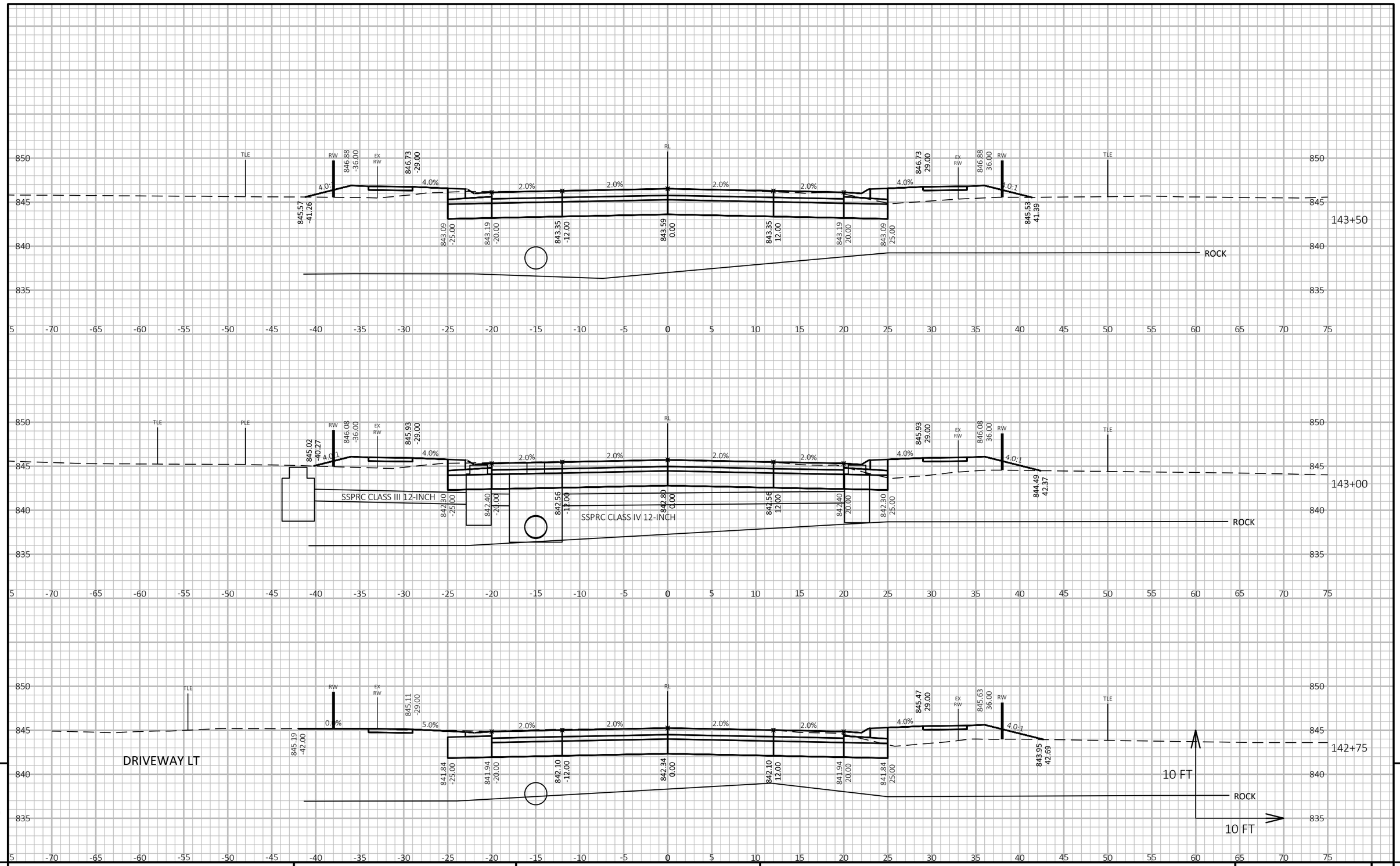
PLOT DATE : 9/11/2017 7:38 AM

PLOT BY : GUENETTE, JEFFREY J

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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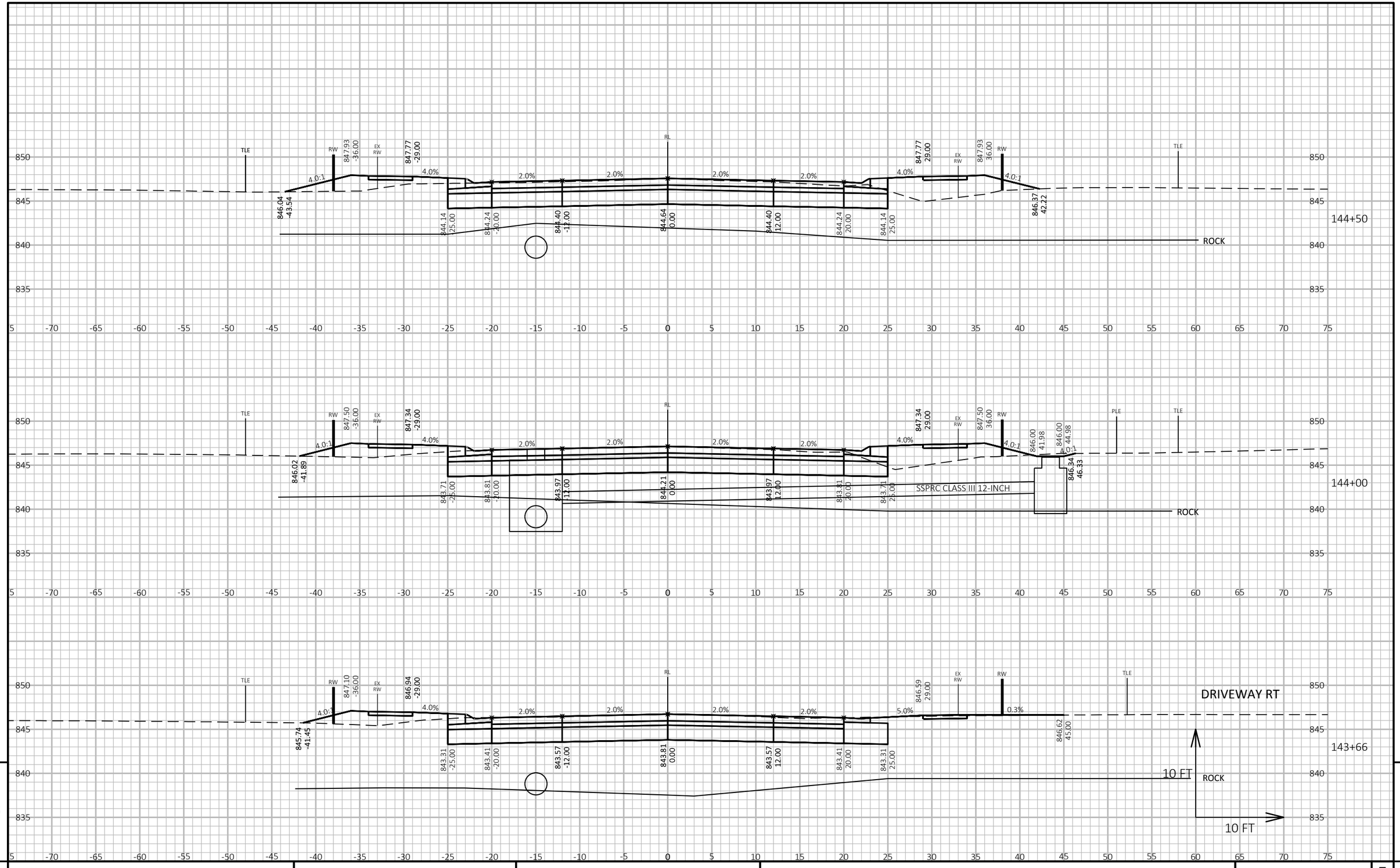
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 390	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 33

PLOT DATE : 9/11/2017 7:39 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME :

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

WISDOT/CADDS SHEET 49



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PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 391	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 34

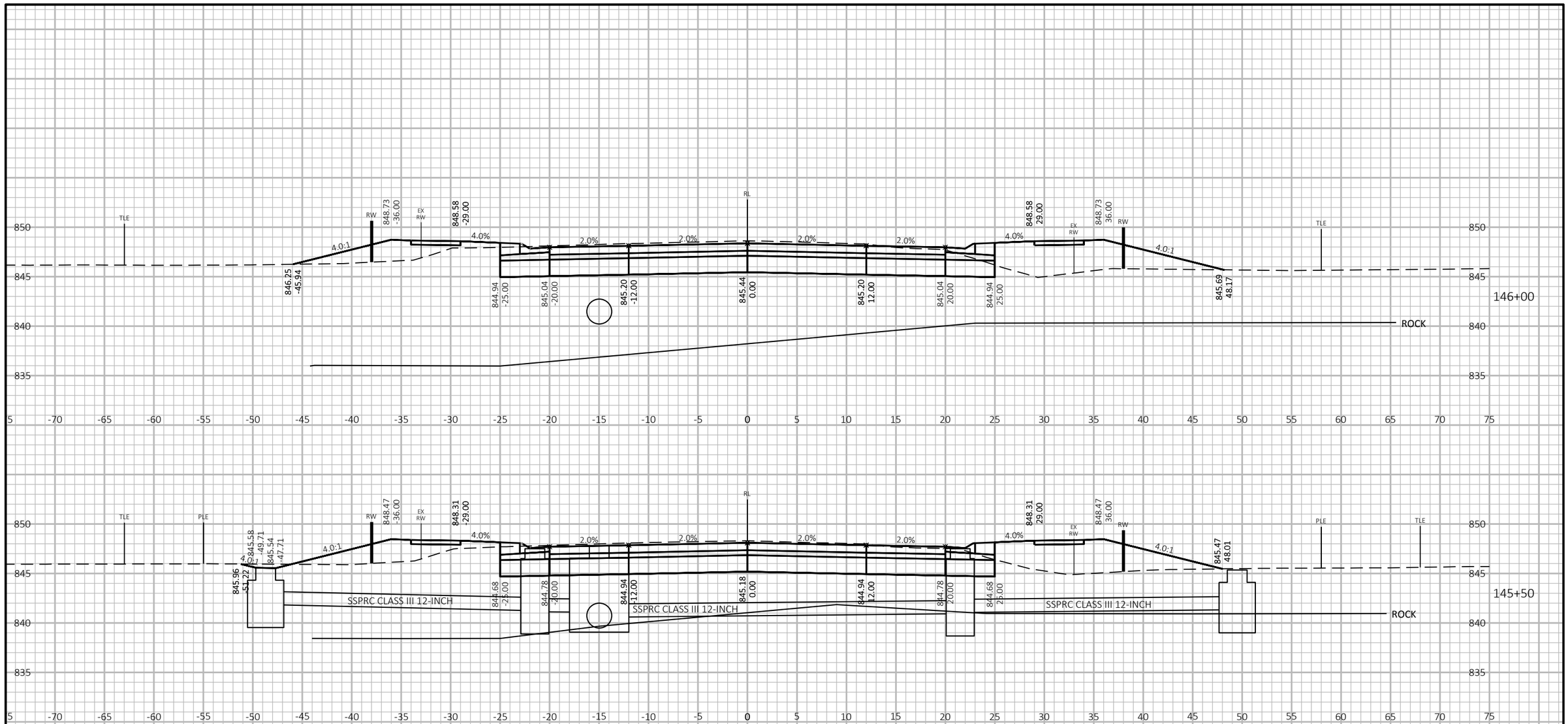
PLOT DATE : 9/11/2017 7:39 AM

PLOT BY : GUENETTE, JEFFREY J

PLOT NAME :

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

WISDOT/CADDS SHEET 49



PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 392	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 35

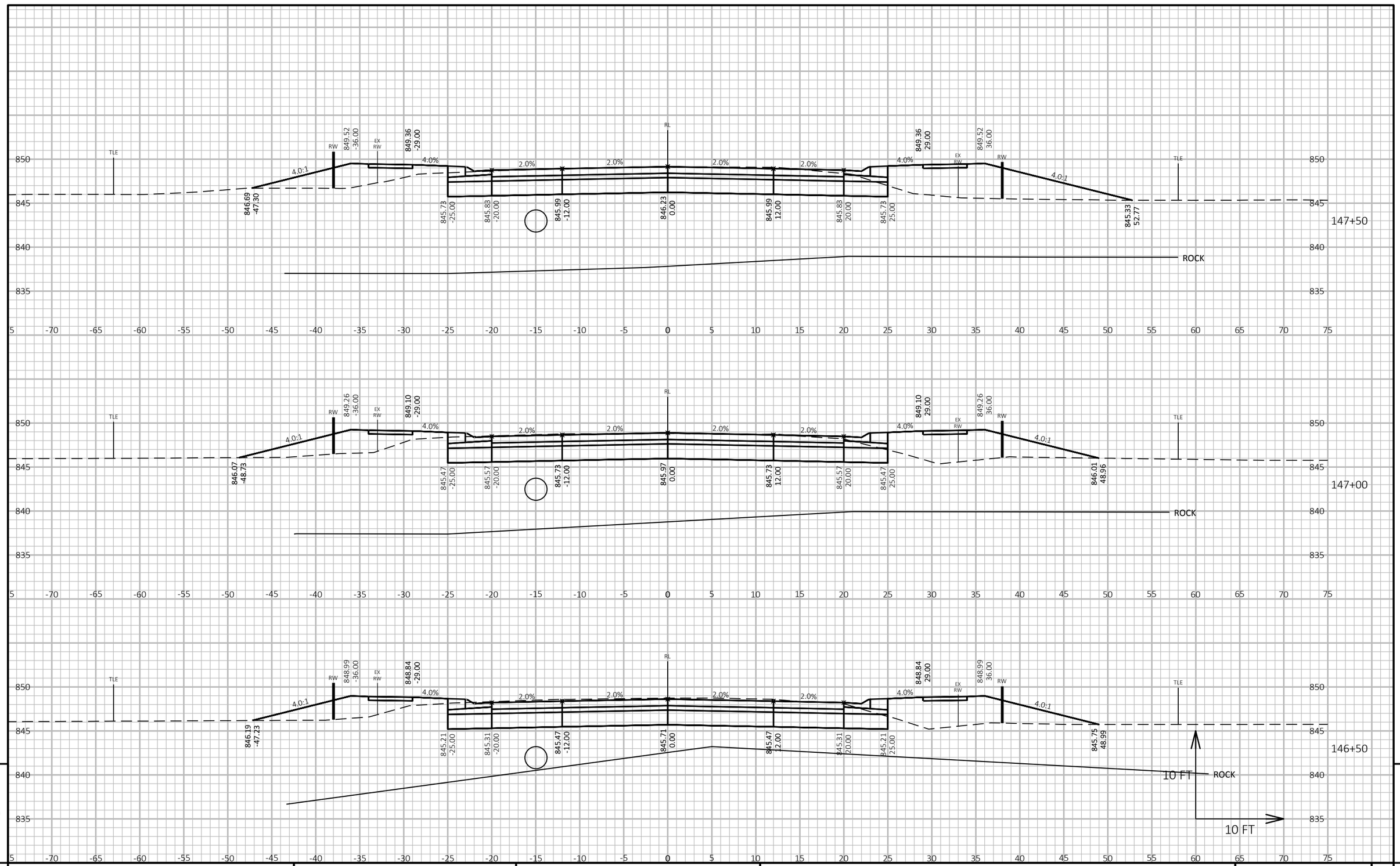
PLOT DATE : 9/11/2017 7:39 AM

PLOT BY : GUENETTE, JEFFREY J

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 393	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 36

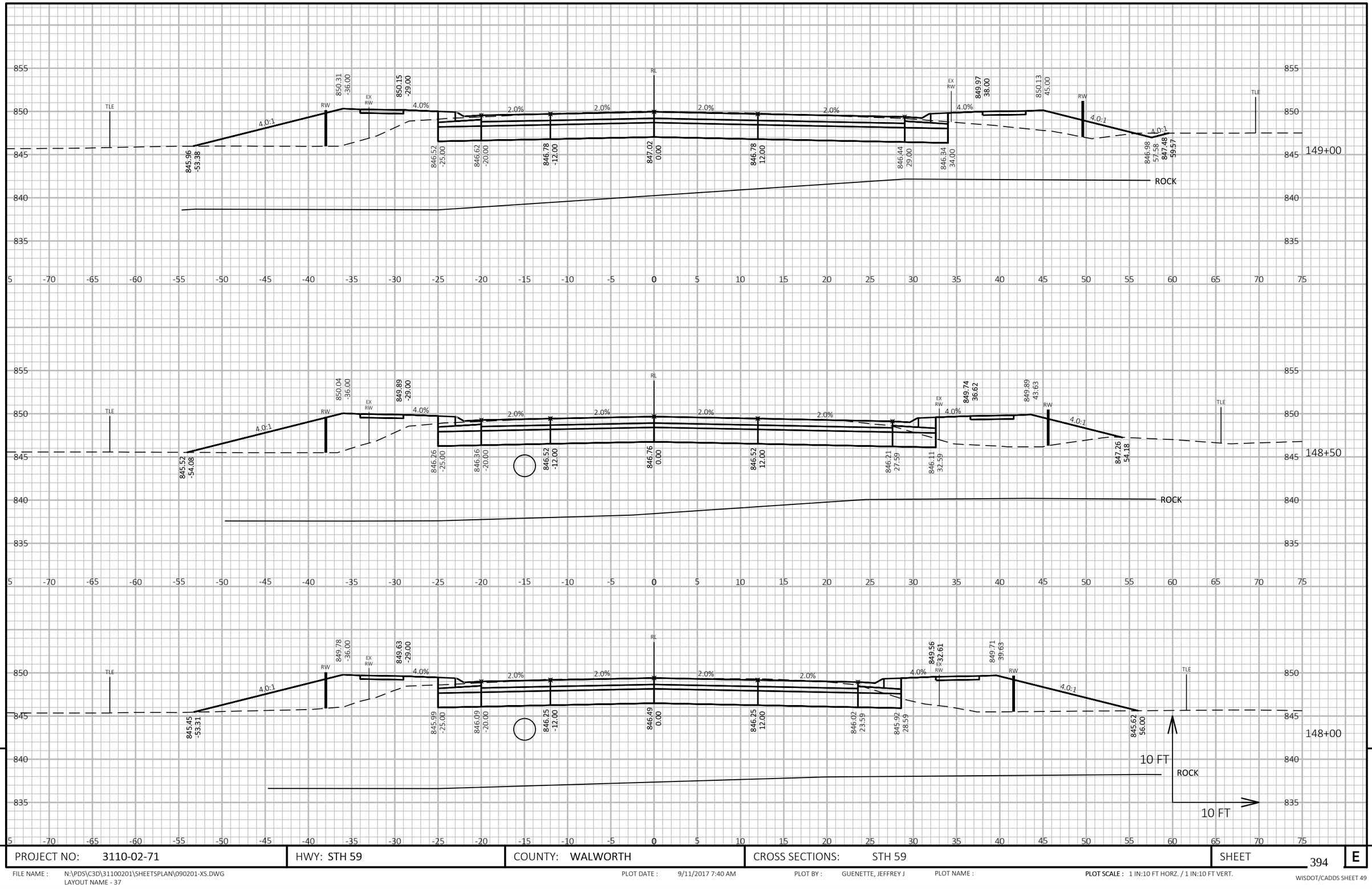
PLOT DATE : 9/11/2017 7:39 AM

PLOT BY : GUENETTE, JEFFREY J

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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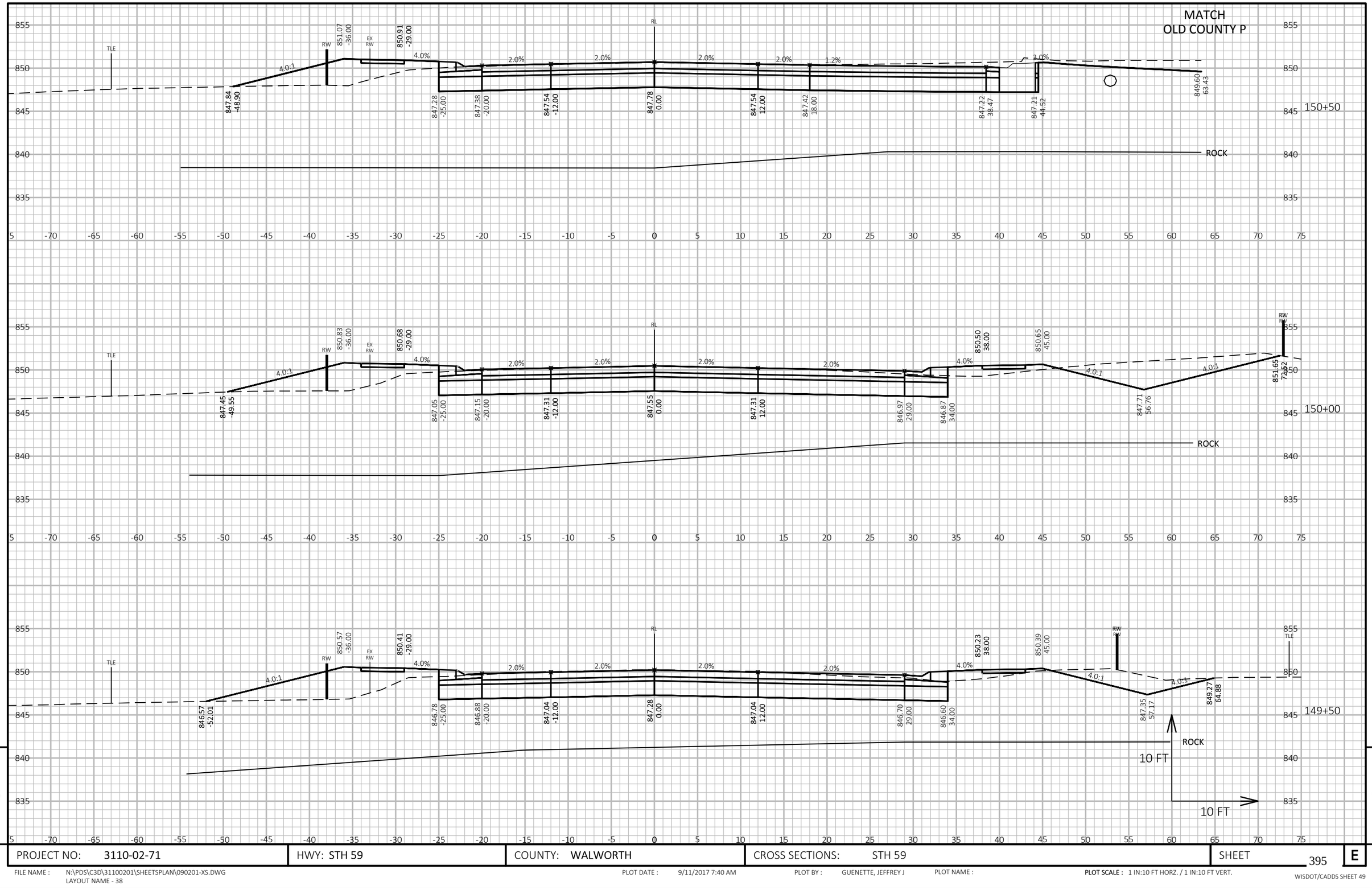
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 394	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 37

PLOT DATE : 9/11/2017 7:40 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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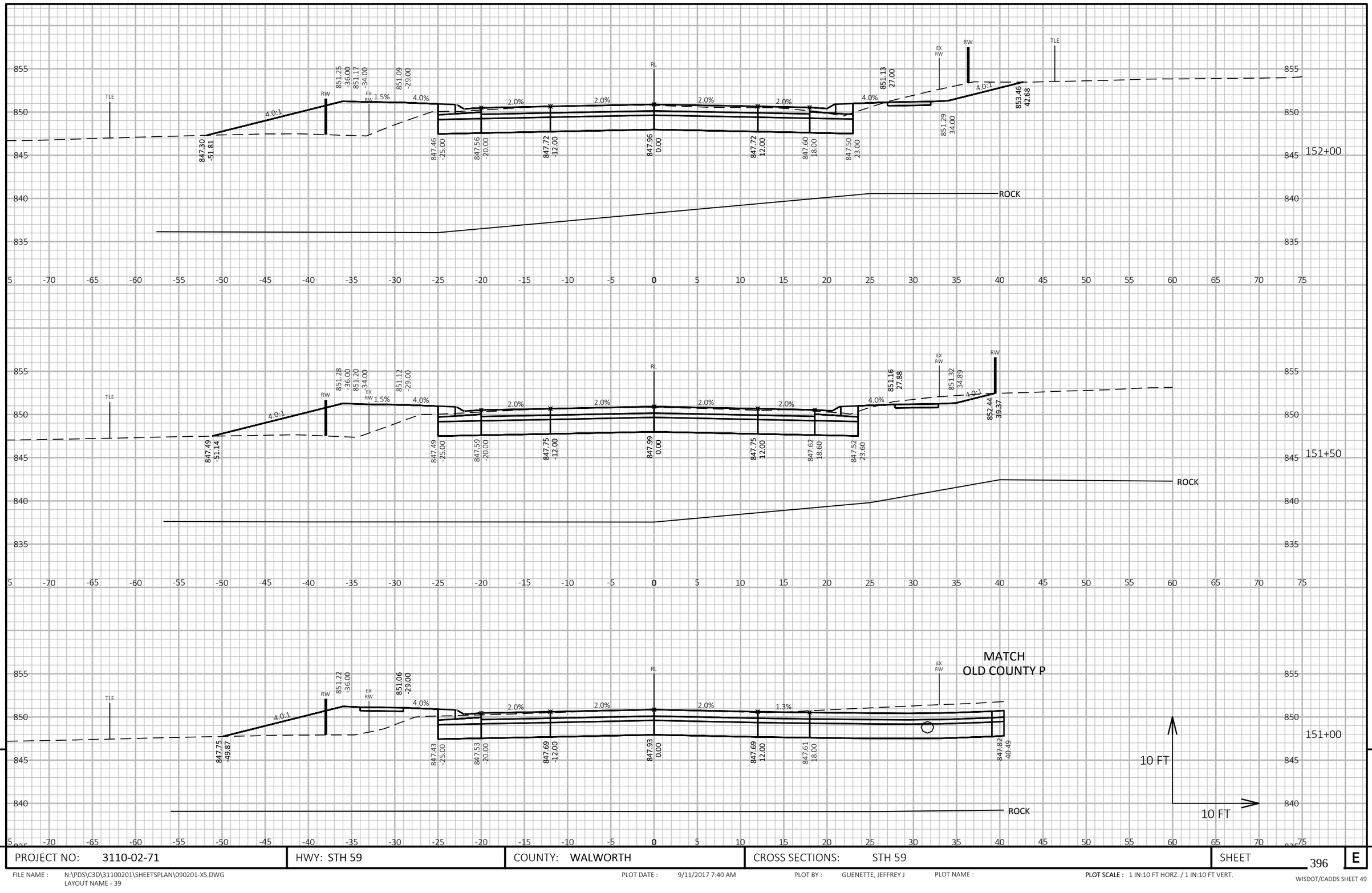
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 395	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 38

PLOT DATE : 9/11/2017 7:40 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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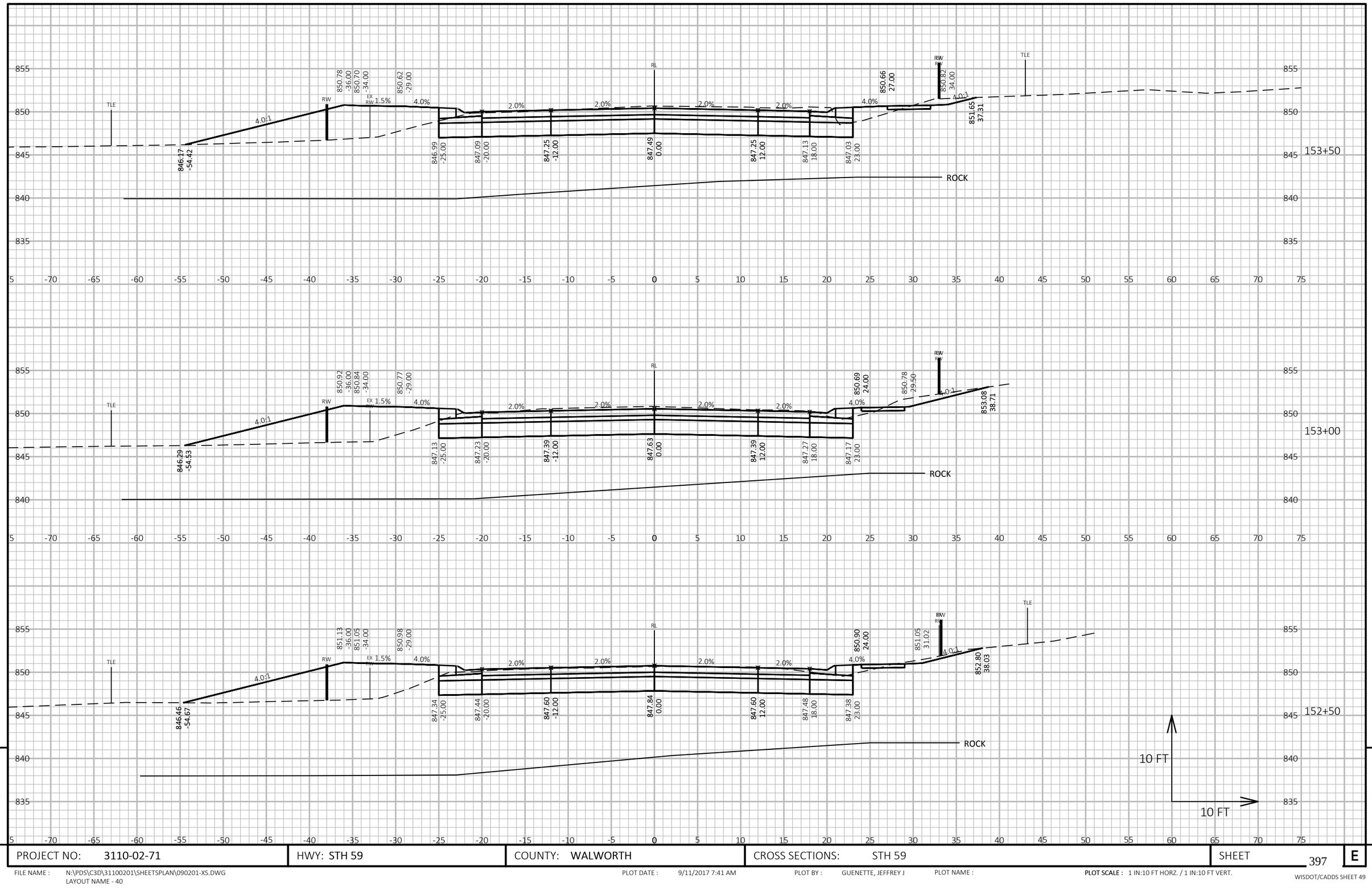
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 396	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 39

PLOT DATE : 9/11/2017 7:40 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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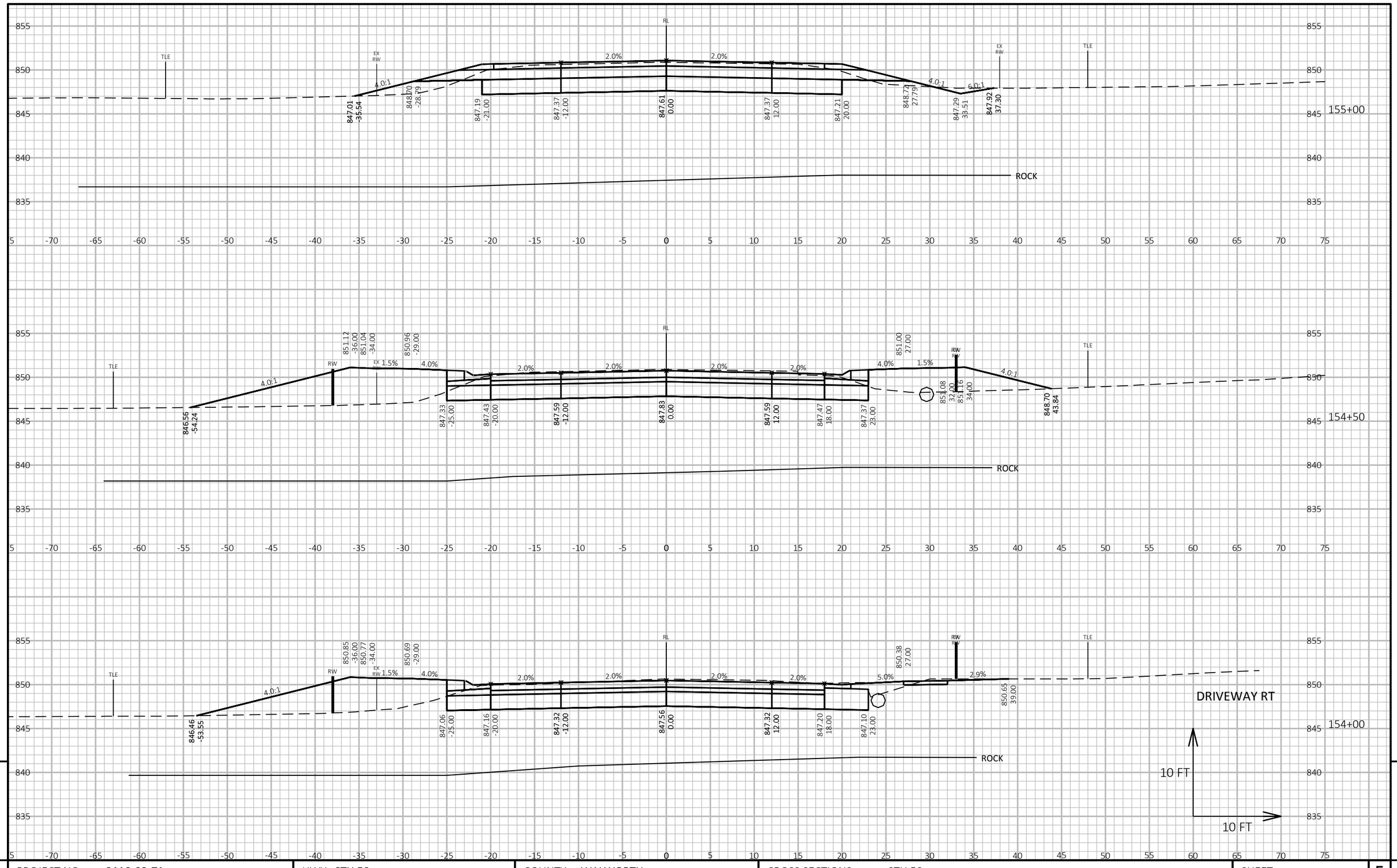
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 397	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 40

PLOT DATE : 9/11/2017 7:41 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 398	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 41

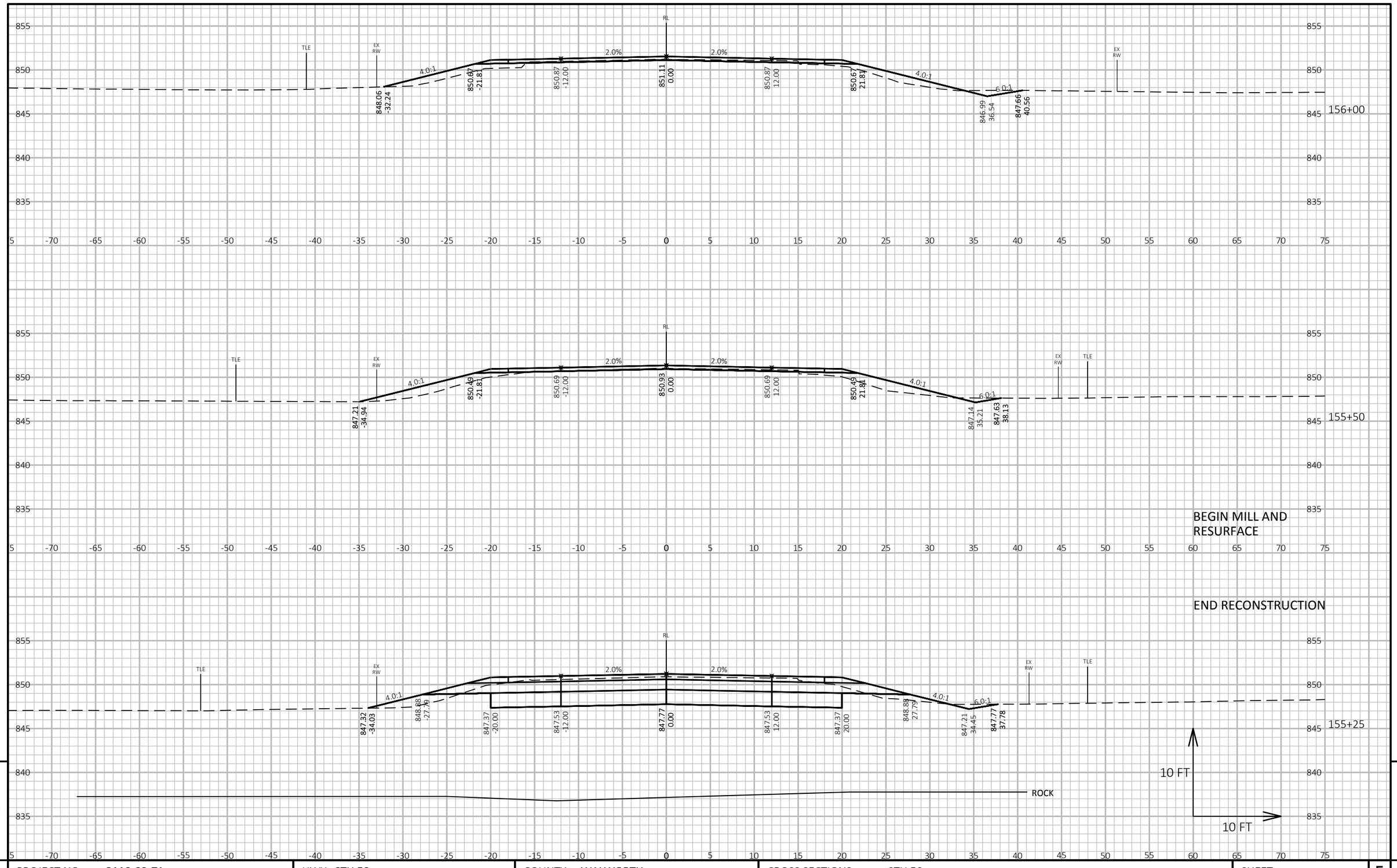
PLOT DATE : 9/11/2017 7:41 AM

PLOT BY : GUENETTE, JEFFREY J

PLOT NAME :

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

WISDOT/CADDS SHEET 49



PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 399	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 42

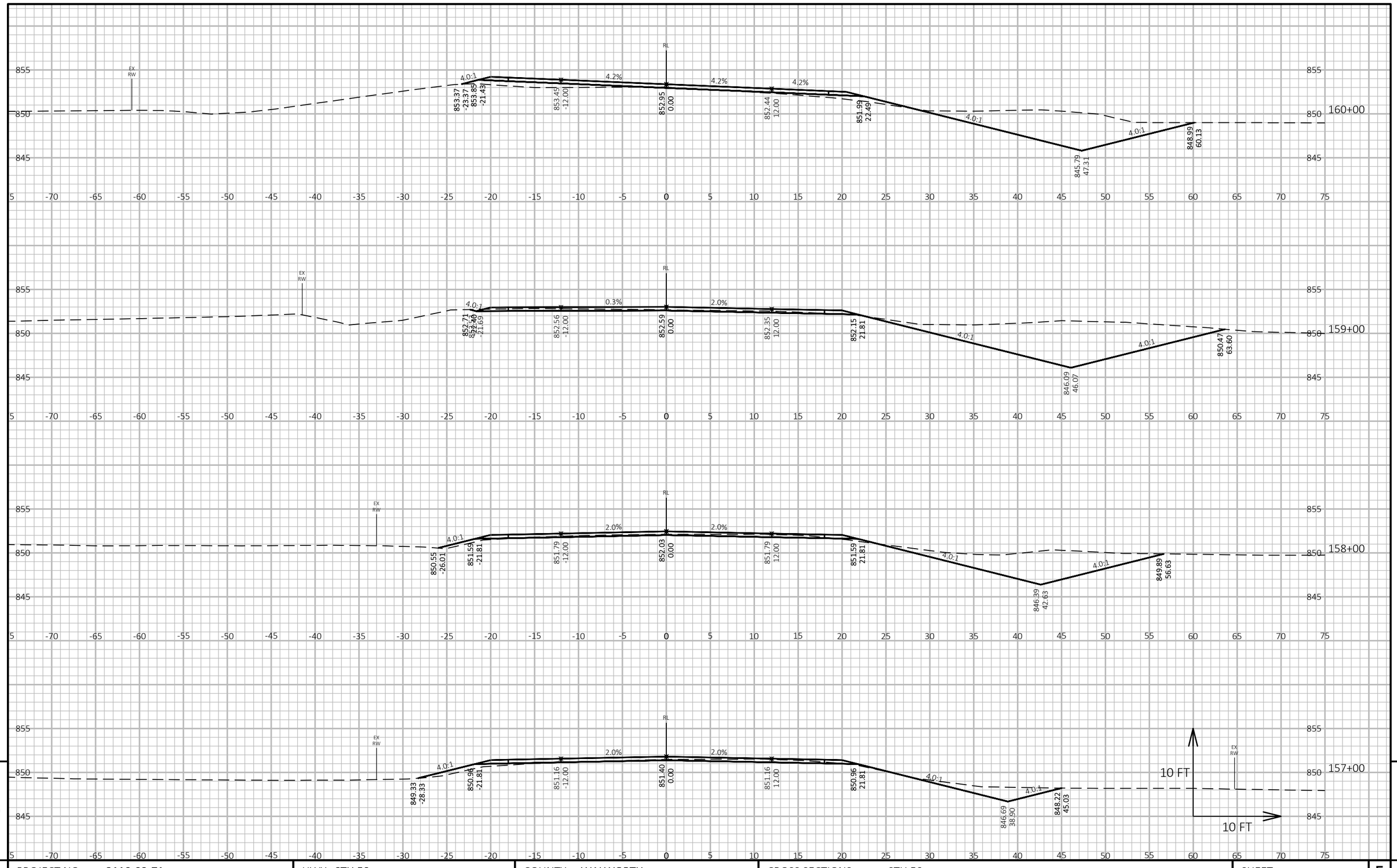
PLOT DATE : 9/11/2017 7:41 AM

PLOT BY : GUENETTE, JEFFREY J

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 400	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 43

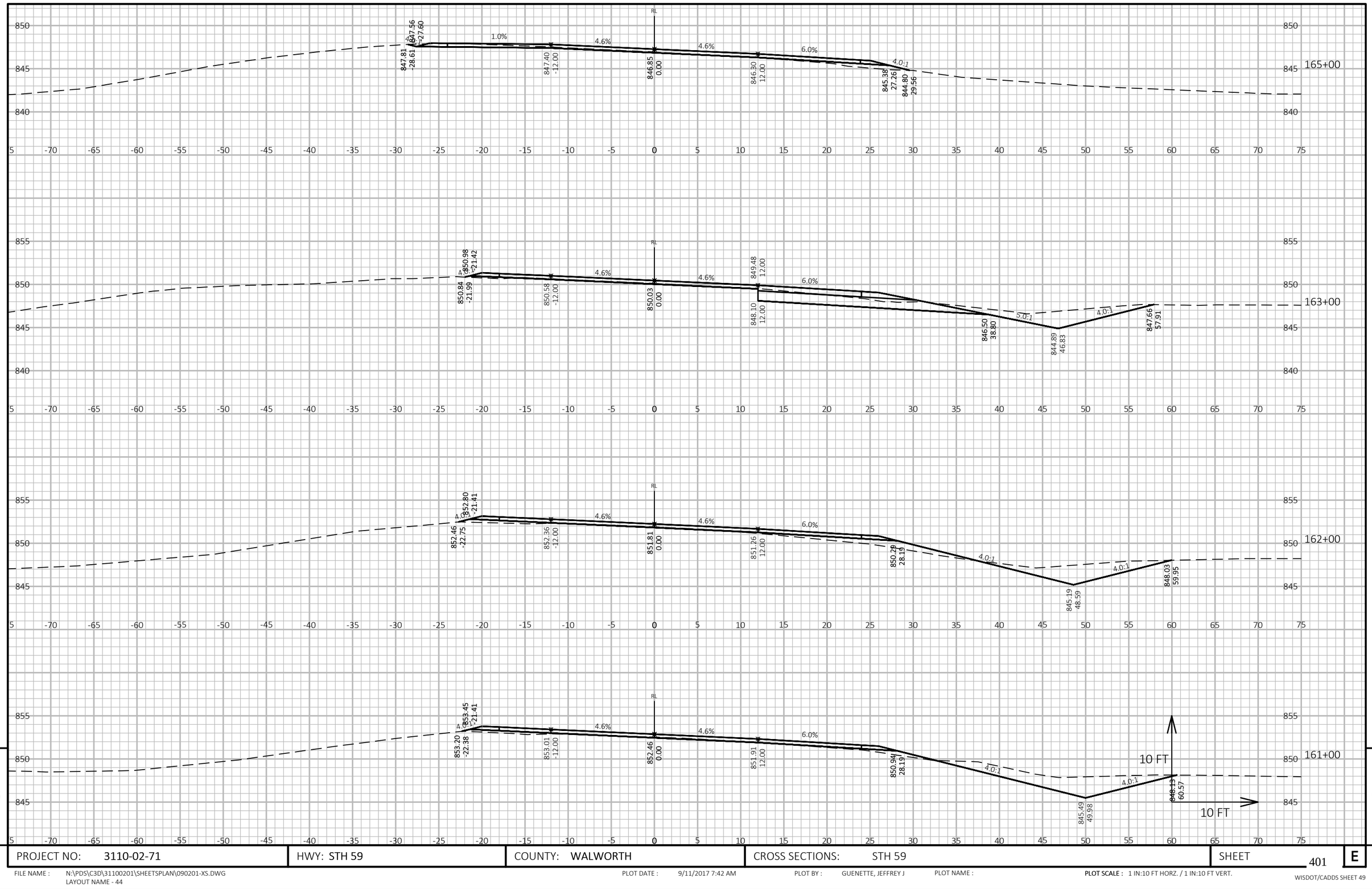
PLOT DATE : 9/11/2017 7:41 AM

PLOT BY : GUENETTE, JEFFREY J

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 401	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 44

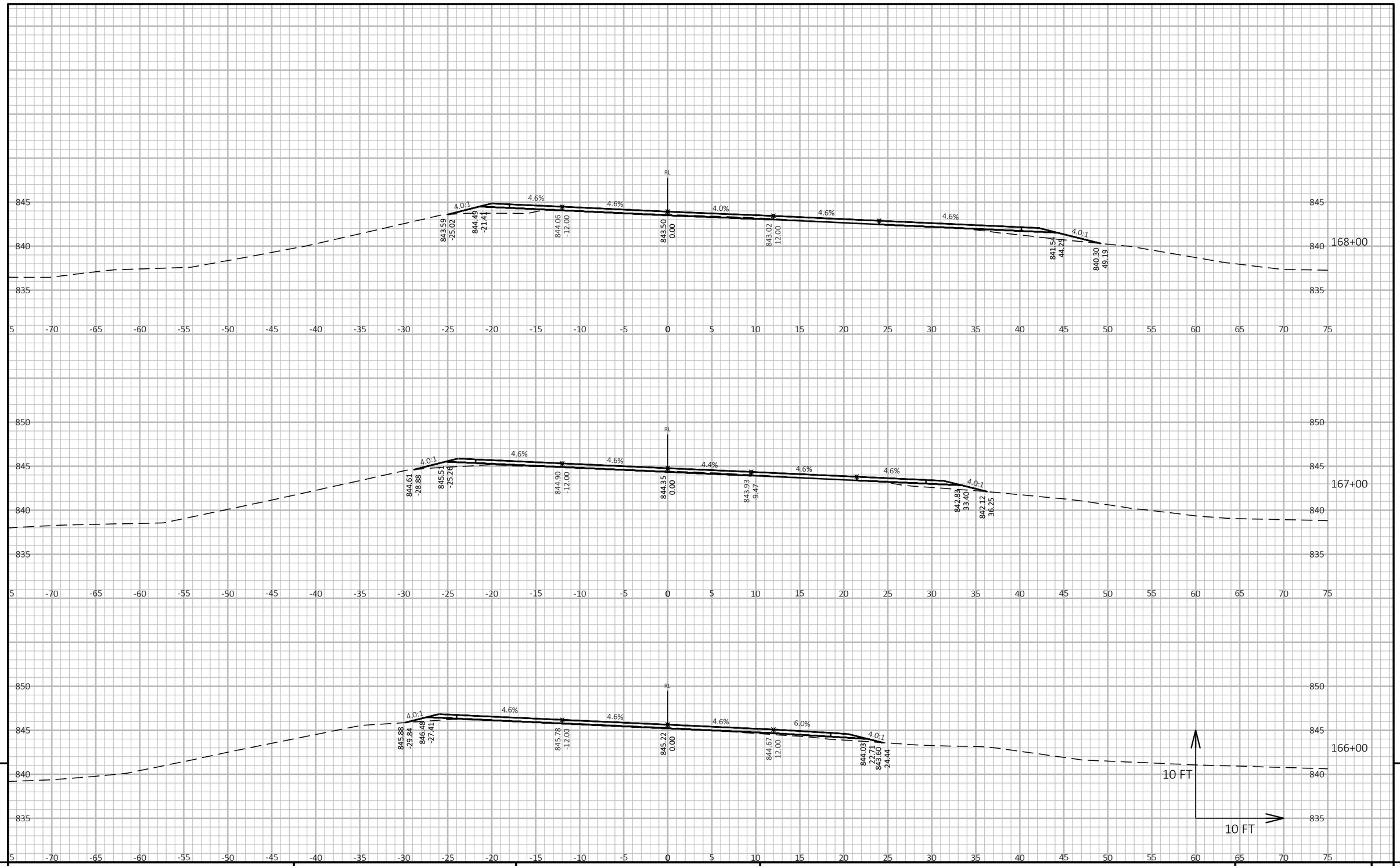
PLOT DATE : 9/11/2017 7:42 AM

PLOT BY : GUENETTE, JEFFREY J

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 402	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 45

PLOT DATE : 9/11/2017 7:42 AM

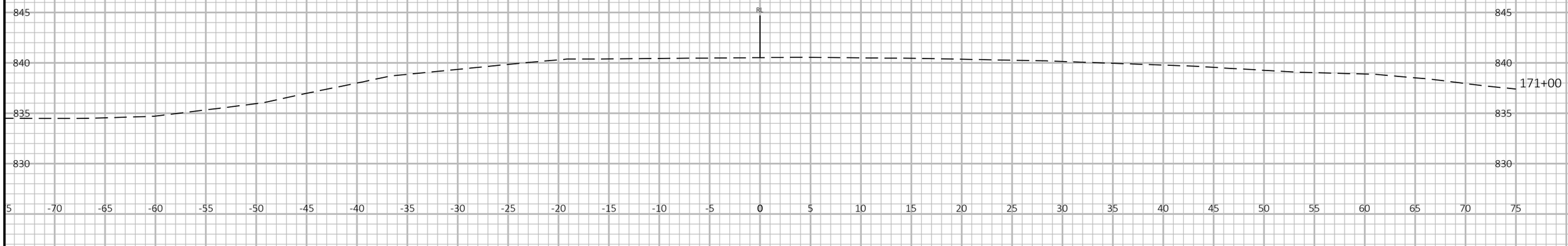
PLOT BY : GUENETTE, JEFFREY J

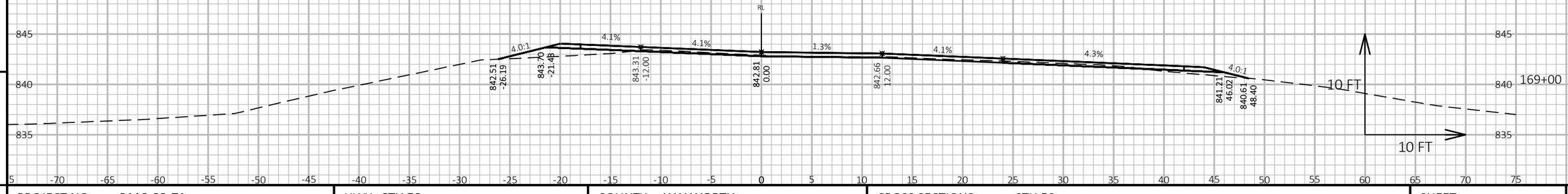
PLOT NAME :

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

WISDOT/CADDS SHEET 49

END MILL AND RESURFACING
STA 171+25





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PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: STH 59	SHEET 403	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 46

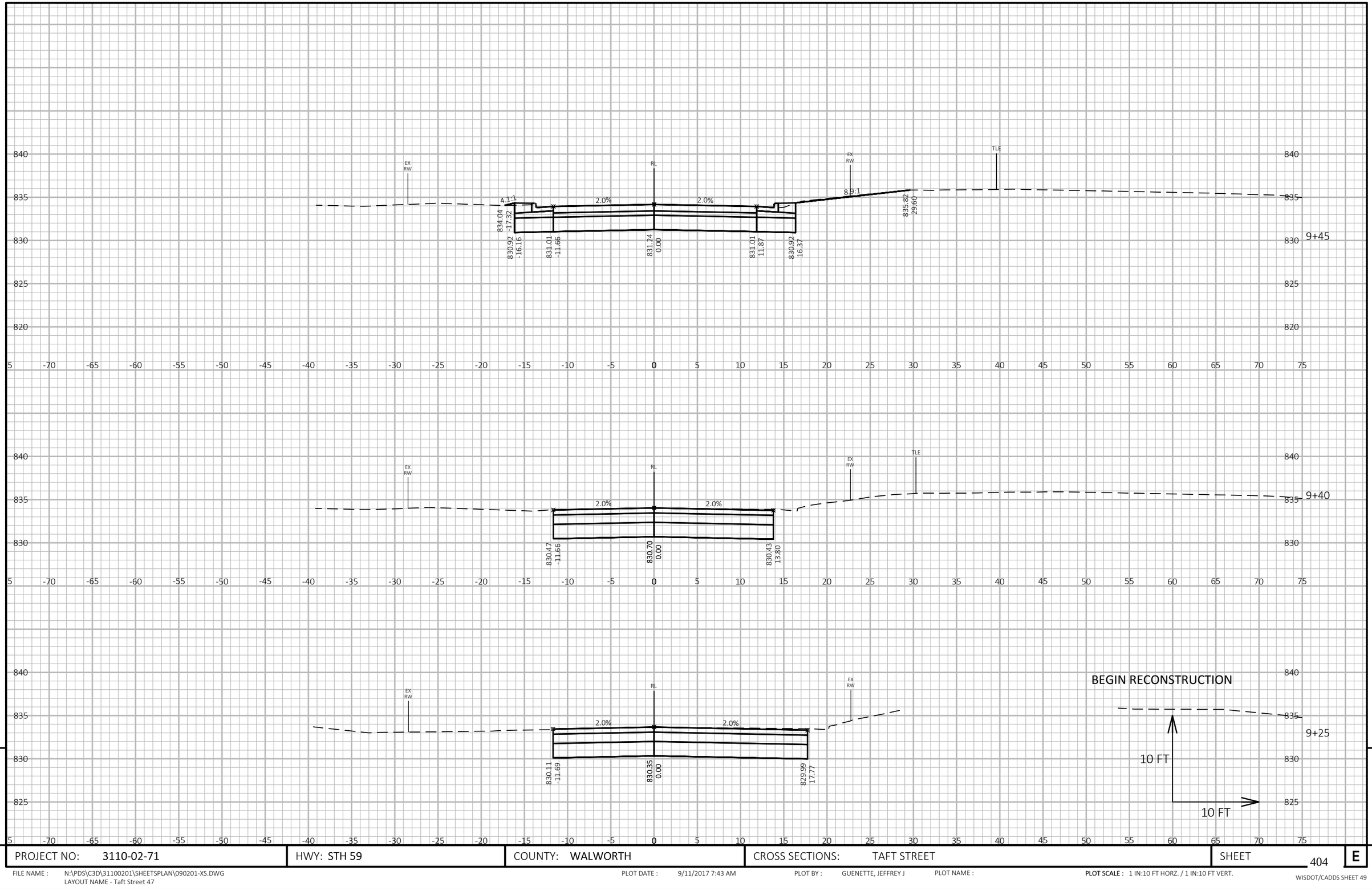
PLOT DATE : 9/11/2017 7:42 AM

PLOT BY : GUENETTE, JEFFREY J

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: TAFT STREET	SHEET 404	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Taft Street 47

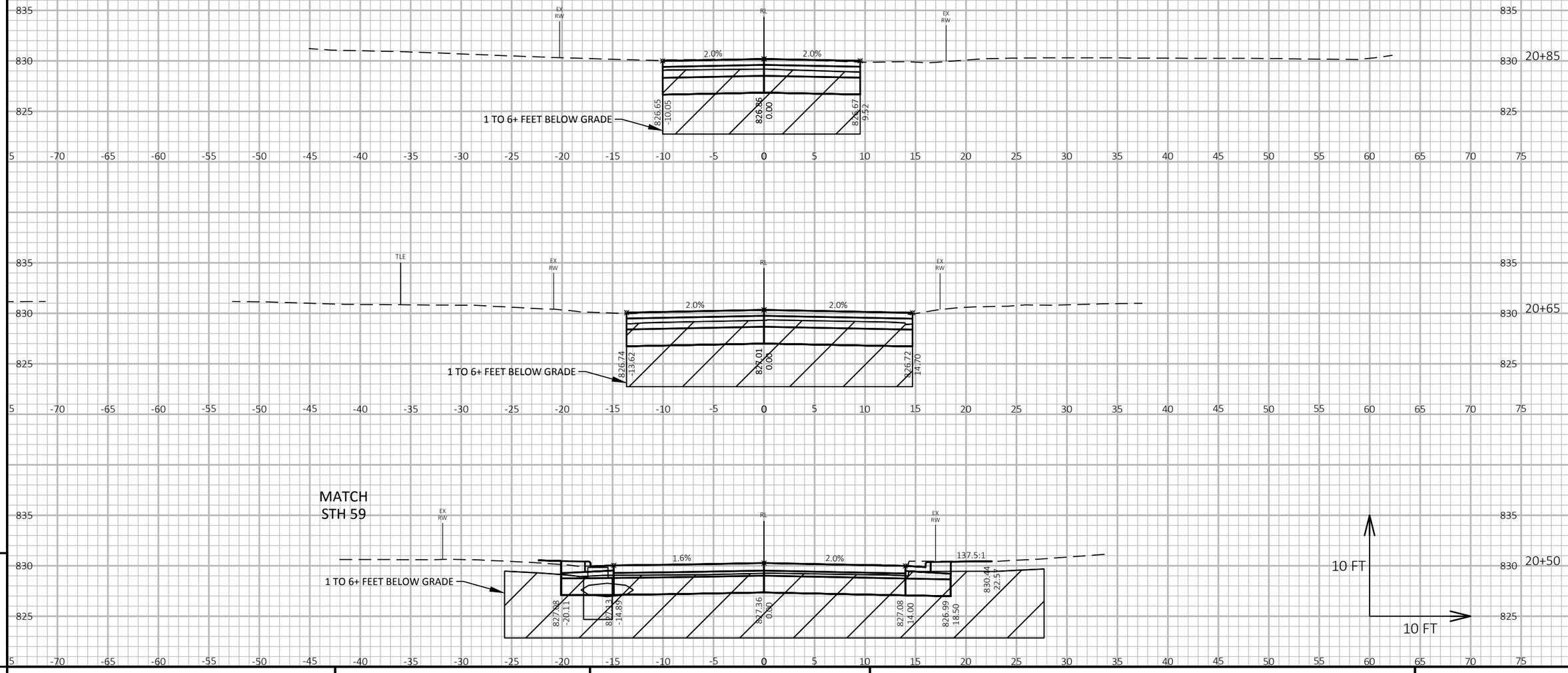
PLOT DATE : 9/11/2017 7:43 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

APPROXIMATE LIMITS OF EXCAVATION HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL

END RECONSTRUCTION



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PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: WILLARD STREET	SHEET 405	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Willard Street 48

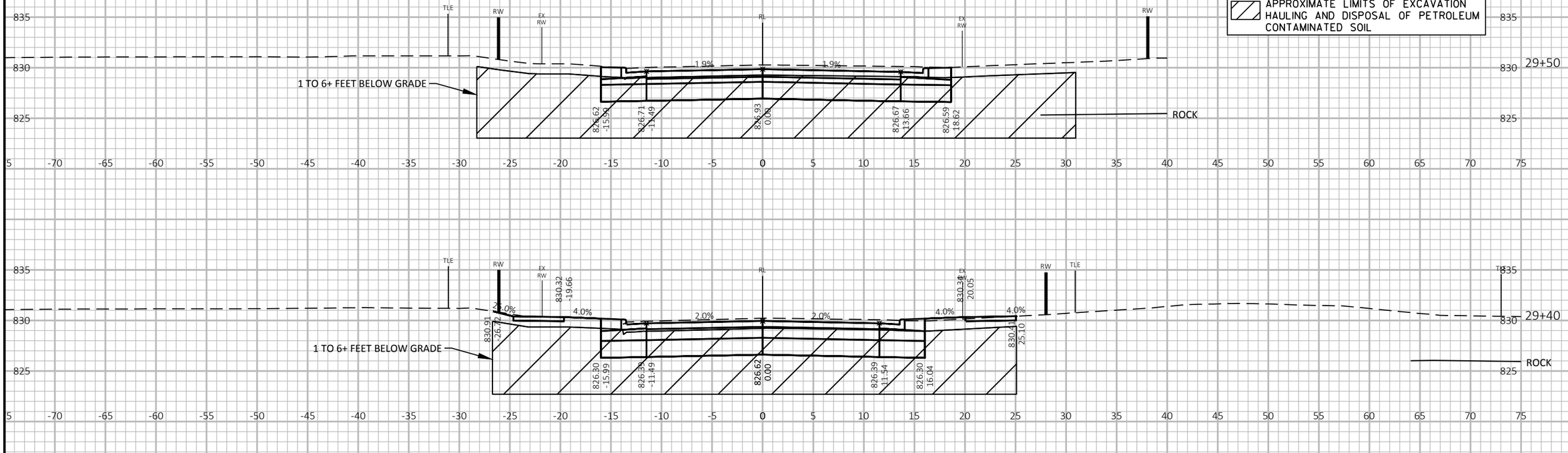
PLOT DATE : 9/11/2017 7:43 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME :

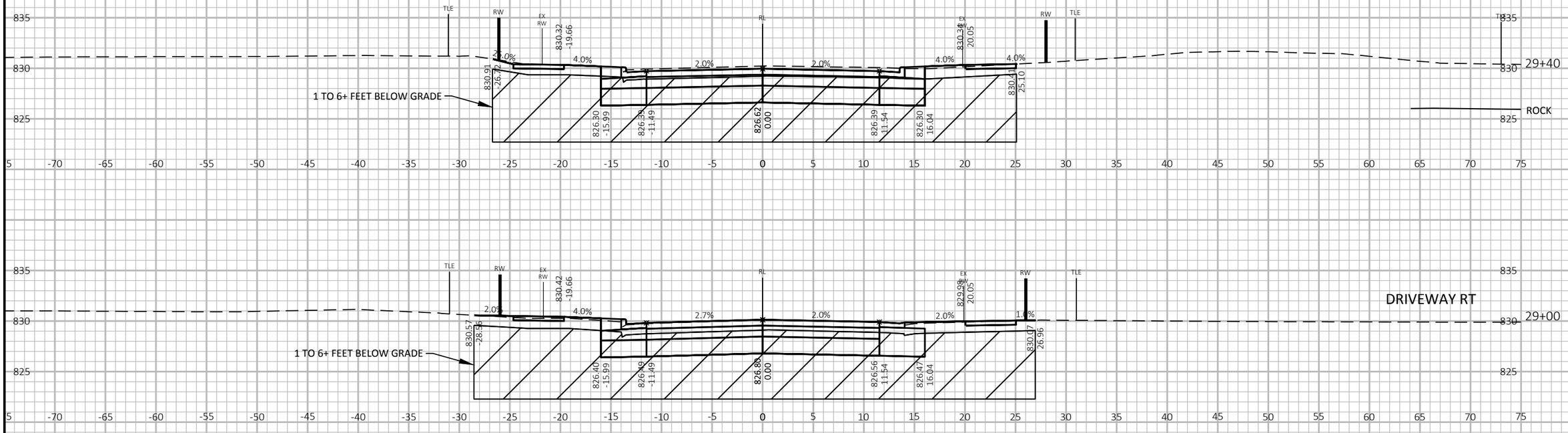
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

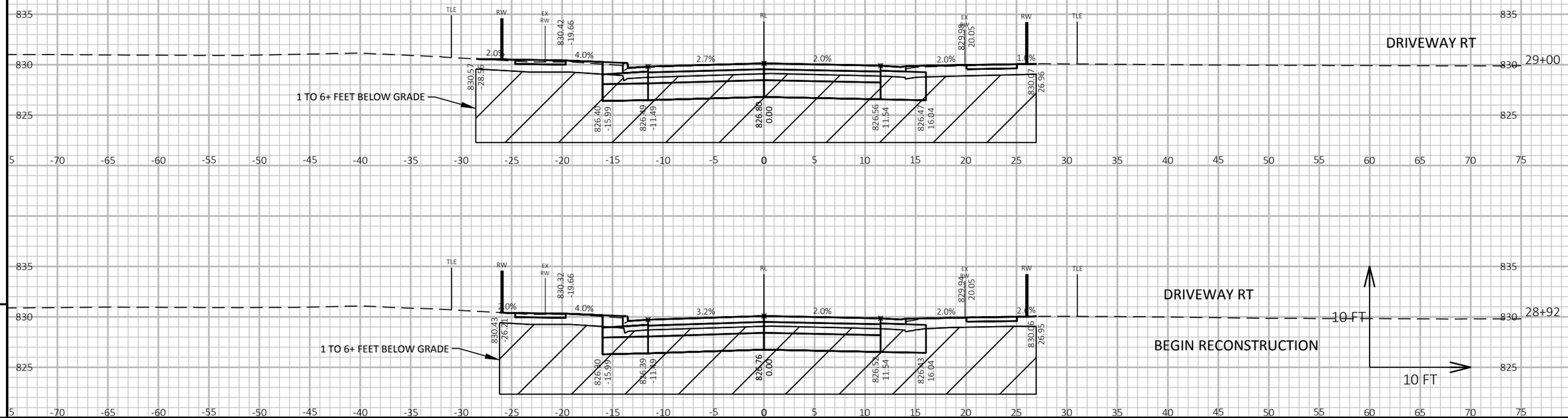
WISDOT/CADDS SHEET 49

LEGEND

APPROXIMATE LIMITS OF EXCAVATION HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL







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9

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: RICE STREET	SHEET 406	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Rice Street 49

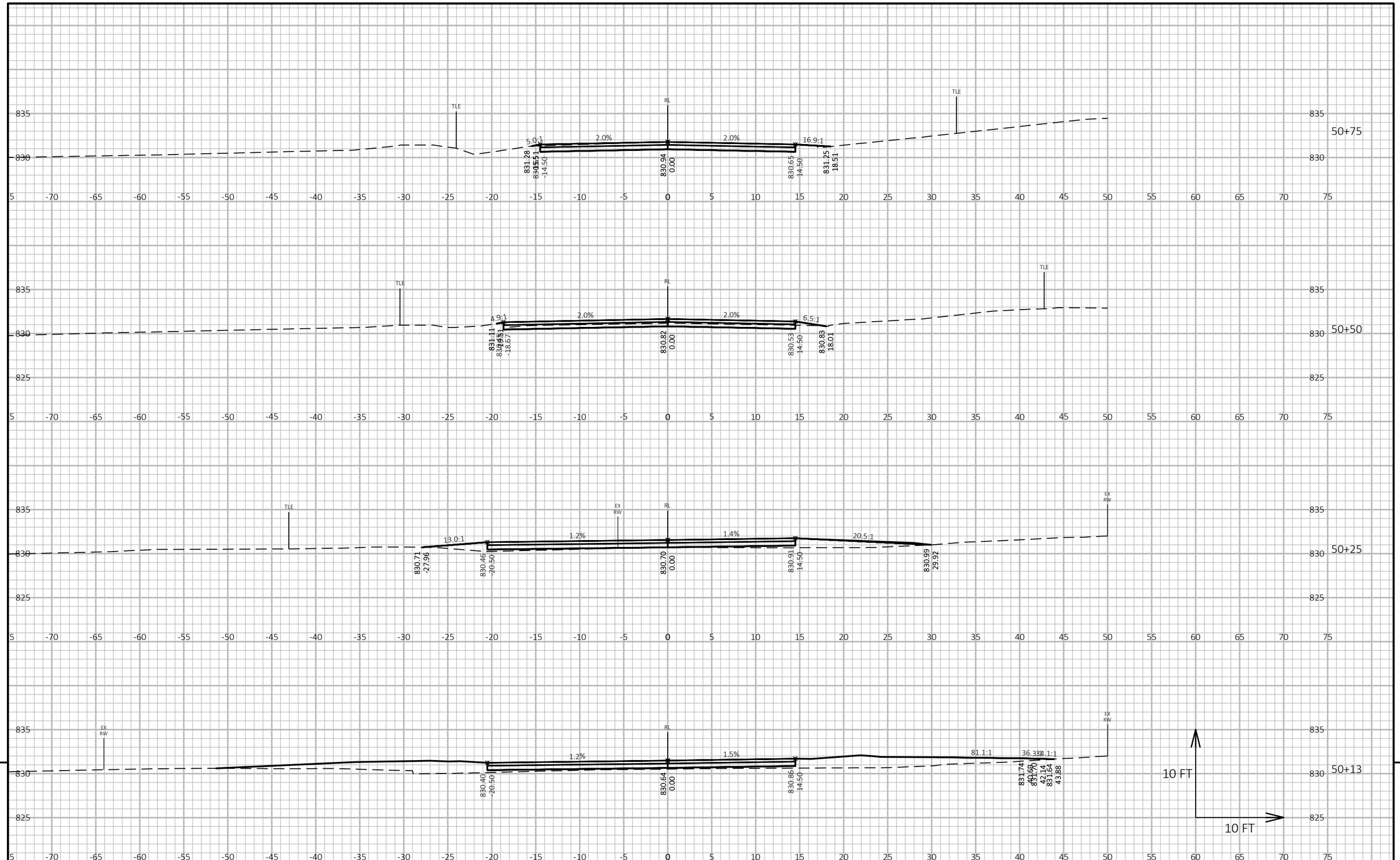
PLOT DATE : 9/11/2017 7:43 AM

PLOT BY : GUENETTE, JEFFREY J

PLOT NAME :

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

WISDOT/CADDS SHEET 49



9

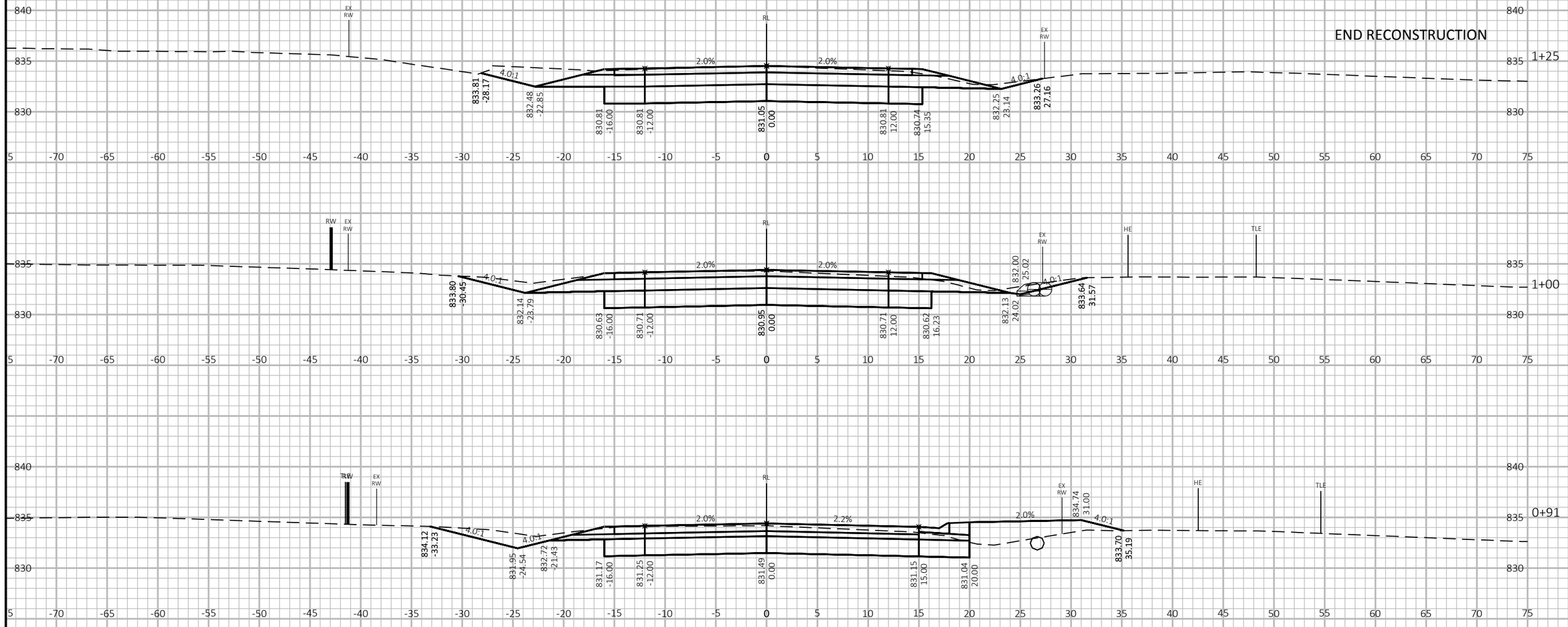
9

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: OLD BLUFF ROAD	SHEET 407	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Old Bluff Road 50

PLOT DATE : 11/8/2017 11:43 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

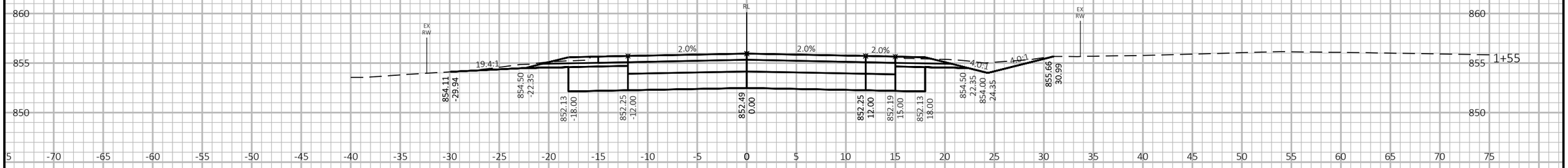
PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: SUNRISE LANE	SHEET 408	E

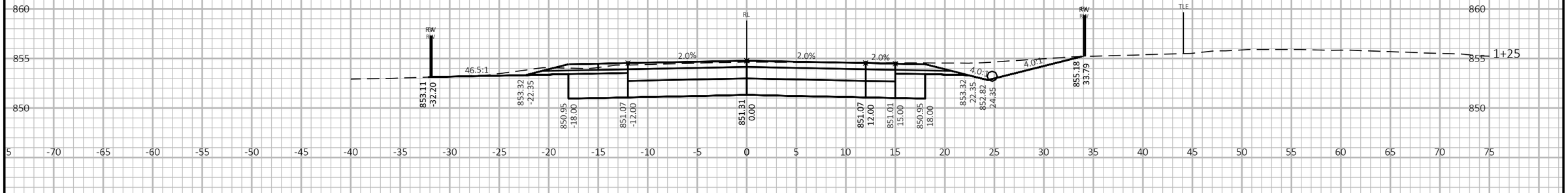
FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Sunrise Lane 51

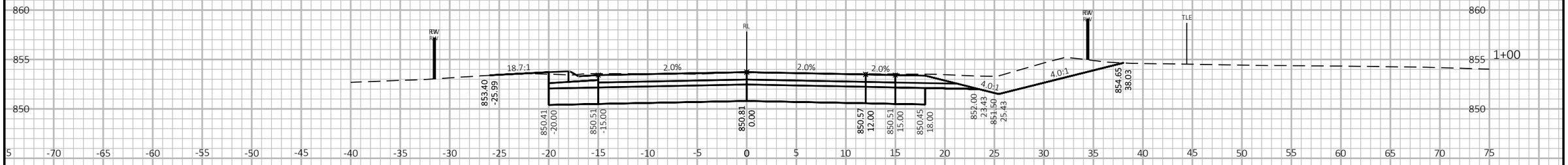
PLOT DATE : 11/8/2017 11:43 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

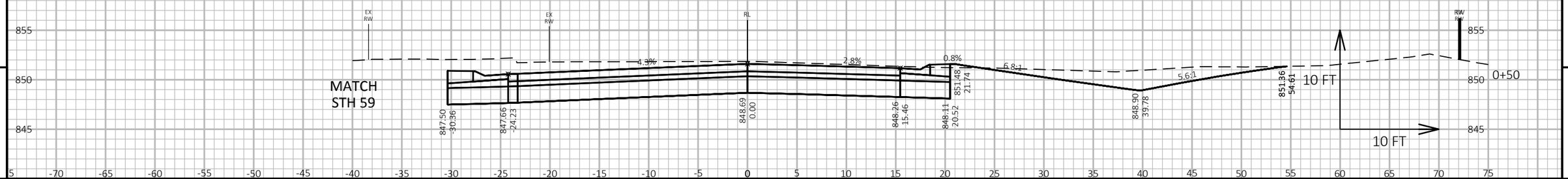
WISDOT/CADDS SHEET 49

END RECONSTRUCTION









9 9

PROJECT NO: 3110-02-71	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: OLD COUNTY P	SHEET 409	E

FILE NAME : N:\PDS\C3D\31100201\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Old County P 52

PLOT DATE : 11/8/2017 11:43 AM PLOT BY : GUENETTE, JEFFREY J PLOT NAME :

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

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov

WKE

SEPT 2018

PROJECT ID: 3110-06-70
WITH: 3110-02-71, 3110-06-71

COUNTY: WALWORTH

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (Inc. Er. Control)
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 = 202

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

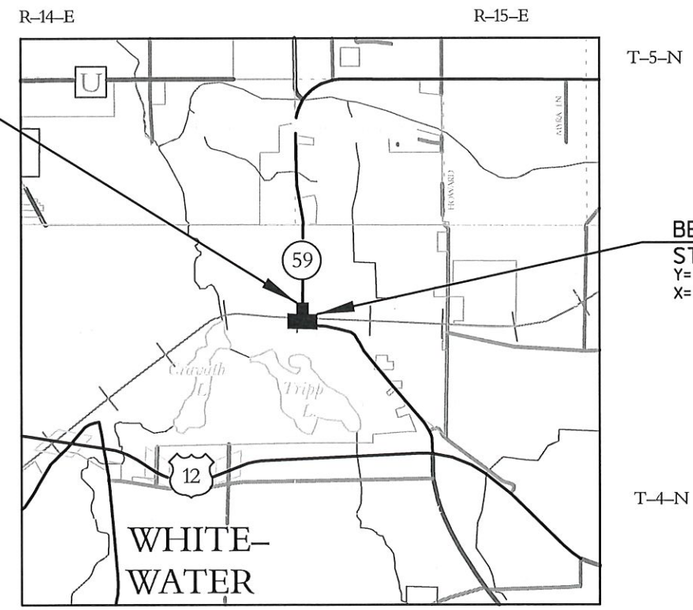
MILWAUKEE ST, CITY OF WHITEWATER

NEWCOMB STREET INTERSECTION

STH 59
WALWORTH COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
3110-06-70	WISC 2018378	1

STATE PROJECT NUMBER
3110-06-70



DESIGN DESIGNATION	STH 59/ MILWAUKEE ST.	STH 59/ N. NEWCOMB ST.
A.A.D.T. (2020)	= 7,500	= 4,100
A.A.D.T. (2040)	= 8,300	= 4,500
D.H.V.	= 996	= 540
D.D.	= 59/41	= 59/41
T.	= 15.5%	= 15.5%
DESIGN SPEED	= 30 MPH	= 30 MPH
ESALS	= 3,500,000	

CONVENTIONAL SYMBOLS

PLAN
- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE
- 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

LAYOUT
SCALE 0 1/2 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.113 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), WALWORTH COUNTY, NAD 1983 (2007).

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88 (2007))

ACCEPTED FOR THE CITY OF WHITEWATER

DATE: 3/22/18 DIRECTOR OF PUBLIC WORKS

ORIGINAL PLANS PREPARED BY:

STRAND ASSOCIATES®
910 WEST WINGRA DRIVE
MADISON, WISCONSIN 53715
(608) 251-4843

WISCONSIN
ERIC D. HANSON
E-38350
MADISON
WI
PROFESSIONAL ENGINEER
3-22-18

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	STRAND ASSOCIATES, INC.
Designer	STRAND ASSOCIATES, INC.
Project Manager	GARY METZER
Regional Examiner	
Regional Supervisor	JANET CANNON
C.O. Examiner	

APPROVED FOR THE DEPARTMENT

DATE: 23 MAR 2018 (Signature)

E

GENERAL NOTES

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

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.

EROSION CONTROL BMP'S ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTORS ECIP AND BY THE ENGINEER. EROSION CONTROL BMP'S SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE BMP IS NO LONGER REQUIRED.

IMMEDIATELY AFTER CONSTRUCTION OF ANY INLET, CONSTRUCT THE INLET PROTECTION TO MINIMIZE SEDIMENTATION IN THE INLET AND STORM SEWER.

RETOPSOIL GRADED AREAS, AS DESIGNATED BY THE ENGINEER, IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. SEED, SOD, FERTILIZE AND MULCH/EROSION MAT TOP-SOILED AREAS, AS DESIGNATED BY THE ENGINEER, WITHIN FIVE (5) CALENDAR DAYS AFTER PLACEMENT OF TOPSOIL. IF GRADED AREAS ARE LEFT EXPOSED FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THOSE AREAS WITH TEMPORARY SEED AND MULCH.

STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THE STOCKPILE WITH TEMPORARY SEED AND MULCH.

THE LOCATION OF PROPOSED SIGNS AS SHOWN ON THE PLANS ARE APPROXIMATE. THE EXACT NUMBER OF SIGNS AND SIGN LOCATIONS ARE TO BE APPROVED BY THE ENGINEER IN THE FIELD.

ANY CONFLICTING SIGN SHALL BE COVERED OR REMOVED.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL BE RESTORED AS DIRECTED BY THE ENGINEER.

MISCELLANEOUS REMOVAL ITEMS SHALL BE REMOVED TO AN EXISTING JOINT, SAWCUT WHERE SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

RADIUS DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE FLANGE LINE UNLESS OTHERWISE NOTED.

STORM SEWER PIPE ELEVATIONS, LENGTH, AND LOCATIONS AS SHOWN ON THE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

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

DESIGNER NOTES

DESIGNS, PLANS, AND SPECIFICATIONS FOR SIGNING PROVIDED BY WISDOT.

ASPHALTIC PAVING TABLES

MATCH LOCATIONS ON ESTERLY, S. NEWCOMB, MAIN AND N. NEWCOMB STREETS

4-INCH HMA PAVEMENT		
	THICKNESS	MIX TYPE
UPPER LAYER	1 ¾"	4 MT 58-28 S
LOWER LAYER	2 ¼"	3 MT 58-28 S

RAILROAD APPROACH

5.75-INCH HMA PAVEMENT		
	THICKNESS	MIX TYPE
UPPER LAYER	2 ¼"	4 MT 58-28 S
LOWER LAYER	3 ½"	3 MT 58-28 S

SECTION 2 ORDER OF SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
EROSION CONTROL
STORM SEWER
TRAFFIC SIGNAL CONDUIT AND PULL BOXES
PAVEMENT MARKING
PERMANENT SIGNING
SOIL BORING INFORMATION
CONTROL POINT DATA SHEET

UTILITIES

AT&T WISCONSIN
ATTENTION: MATT KINAS
152 DIXON STREET
MADISON, WI 53704
PH: (608) 252-5102
E-MAIL: MK3281@att.com

CHARTER COMMUNICATIONS
ATTENTION: DAVID MOLDENHAUER
1348 PLAINFIELD AVENUE
JANESVILLE, WI 53545
PH: (608) 373-7538
E-MAIL: david.moldenhauer@charter.com

WE ENERGIES (ELECTRIC)
ATTENTION: TERRY CONNELLY
S13 W33800 HWY 18
DELAFIELD, WI 53018
PH: (262) 968-5771
E-MAIL: terry.connelly@we-energies.com

WE ENERGIES (GAS)
ATTENTION: DANIELLE FINK
500 S. 116TH STREET
WEST ALLIS, WI 53214
PH: (414) 944-5627

CITY OF WHITEWATER - SEWER
ATTENTION: TIM REEL
312 W. WHITEWATER STREET
WHITEWATER, WI 53190
(262) 473-0560
EMAIL: treel@whitewater-wi.gov

CITY OF WHITEWATER - WATER
ATTENTION: RICK LIEN
308 N. FREEMONT
WHITEWATER, WI 53190
(262) 473-0543
rlien@whitewater.wi.us

OTHER CONTACTS

WISDOT CONTACT

GARY METZER, P.E.
WISDOT SOUTHEAST REGION
141 NW BARSTOW STREET
WAUKESHA, WI 53188
(262) 548-5685
EMAIL: gary.metzer@dot.wi.gov

DESIGN CONTACT

ERIC HANSON, P.E.
STRAND ASSOCIATES, INC.
910 WEST WINGRA DRIVE
MADISON, WI 53715
(608) 251-4843
E-MAIL: eric.hanson@strand.com

CITY OF WHITEWATER

BRAD MARQUARDT, P.E.
312 WEST WHITEWATER STREET
WHITEWATER, WI 53190
(262) 473-0139
E-MAIL: BMarquardt@whitewater-wi.gov

RAILROAD

WISCONSIN AND SOUTHERN
RAILROAD COMPANY
ATTENTION: BEN MEIGHAN
1890 EAST JOHNSON STREET
MADISON, WI 53704
PH: (608) 243-9129
FAX: (608) 243-9225

DNR LIAISON

CRAIG WEBSTER
SOUTHEAST REGION
141 NW BARSTOW STREET
WAUKESHA, WI 53188
(262) 574-2141
E-MAIL: craig.webster@wisconsin.gov

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

** DENOTES UTILITIES THAT ARE NOT DIGGERS HOTLINE MEMBERS

2

2

END PROJECT
STA. 13+85.00 NN

CITY OF WHITEWATER

N

15+00 NN
14+00 NN
13+00 NN
12+00 NN
11+00 NN

E. MAIN STREET

WISCONSIN & SOUTHERN RAILROAD

2-WAY STOP
ON MAIN STREET

STH 59 / N. NEWCOMB STREET

93+00 94+00 95+00 96+00 97+00 98+00 99+00 100+00 101+00 102+00 103+00 104+00 105+00 106+00 107+00

E. MILWAUKEE STREET

STH 59 / E. MILWAUKEE STREET

ONE-WAY
STOP ON
ESTERLY
STREET

3+00 E

ESTERLY STREET

ALL-WAY
STOP

9+00 SN

8+00 SN

S. NEWCOMB STREET

S. BISHOP STREET

BEGIN CONSTRUCTION
STA. 95+25.00

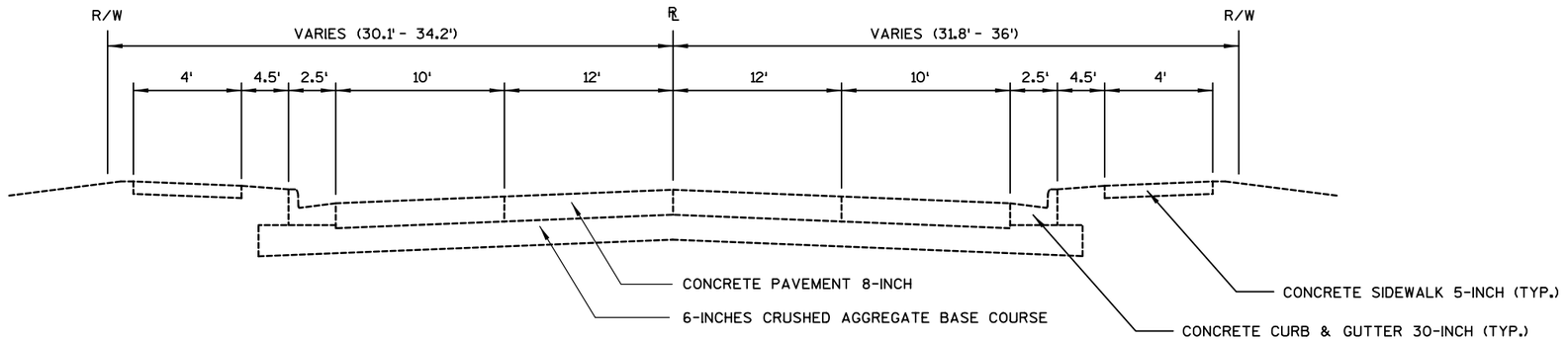
BEGIN CONSTRUCTION
STA. 8+95 E

BEGIN CONSTRUCTION
STA. 7+84.5 SN

BEGIN PROJECT
STA. 102+75.00

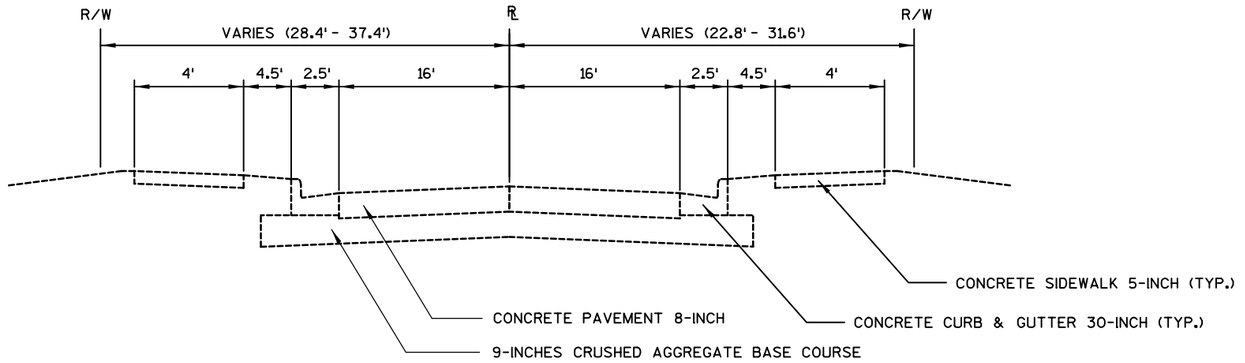
PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	PROJECT OVERVIEW	SHEET E

FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\020201_po.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



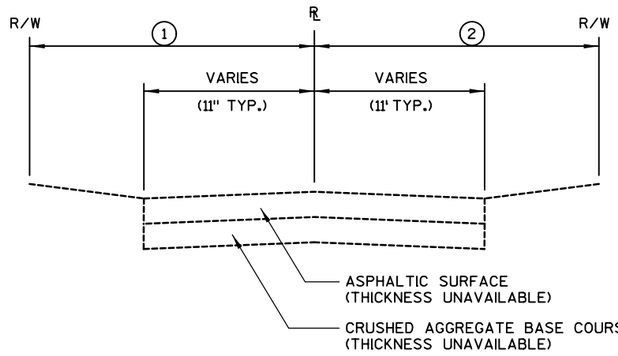
EXISTING TYPICAL SECTION - E. MILWAUKEE STREET

STA. 95+25 - STA. 102+75



EXISTING TYPICAL SECTION - N. NEWCOMB STREET

STA. 10+00 NN - STA. 13+85 NN



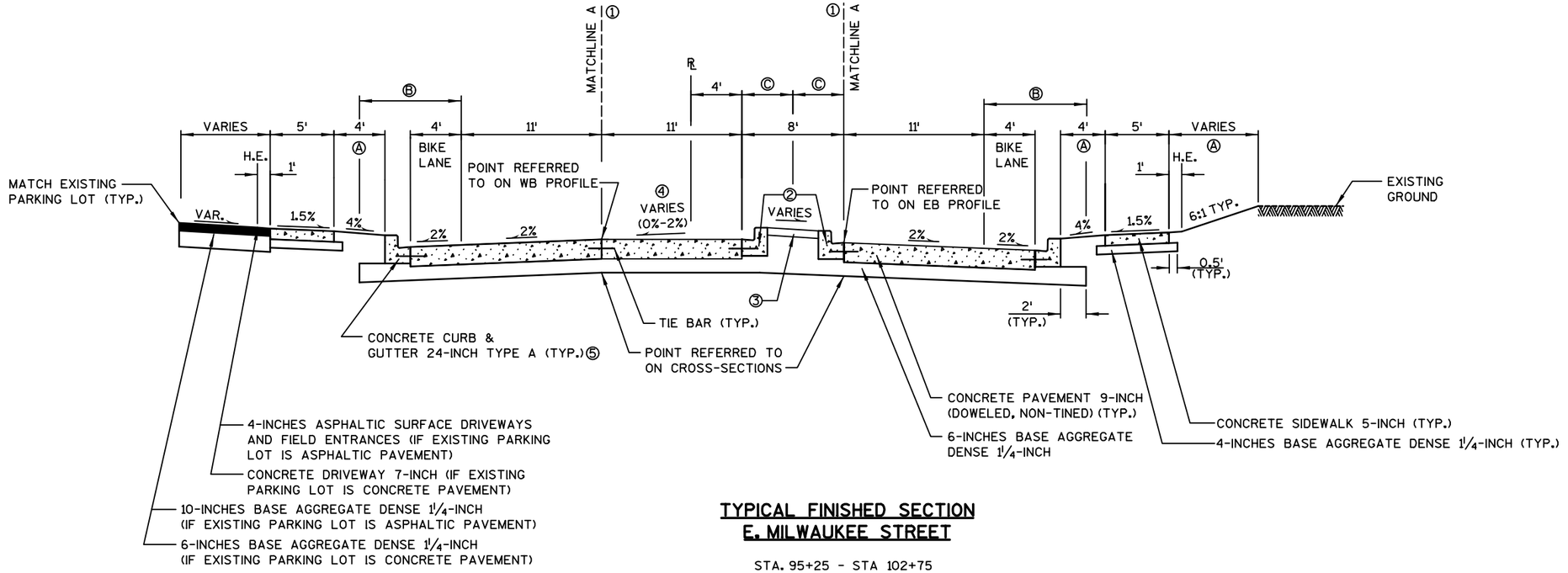
EXISTING TYPICAL SECTION - S. NEWCOMB STREET & S. ESTERLY STREET

STA. 8+95 E - STA. 10+00 E
STA. 7+84.5 SN - STA. 10+00 SN

(1) 30.5'ESTERLY STREET
30'S. NEWCOMB STREET

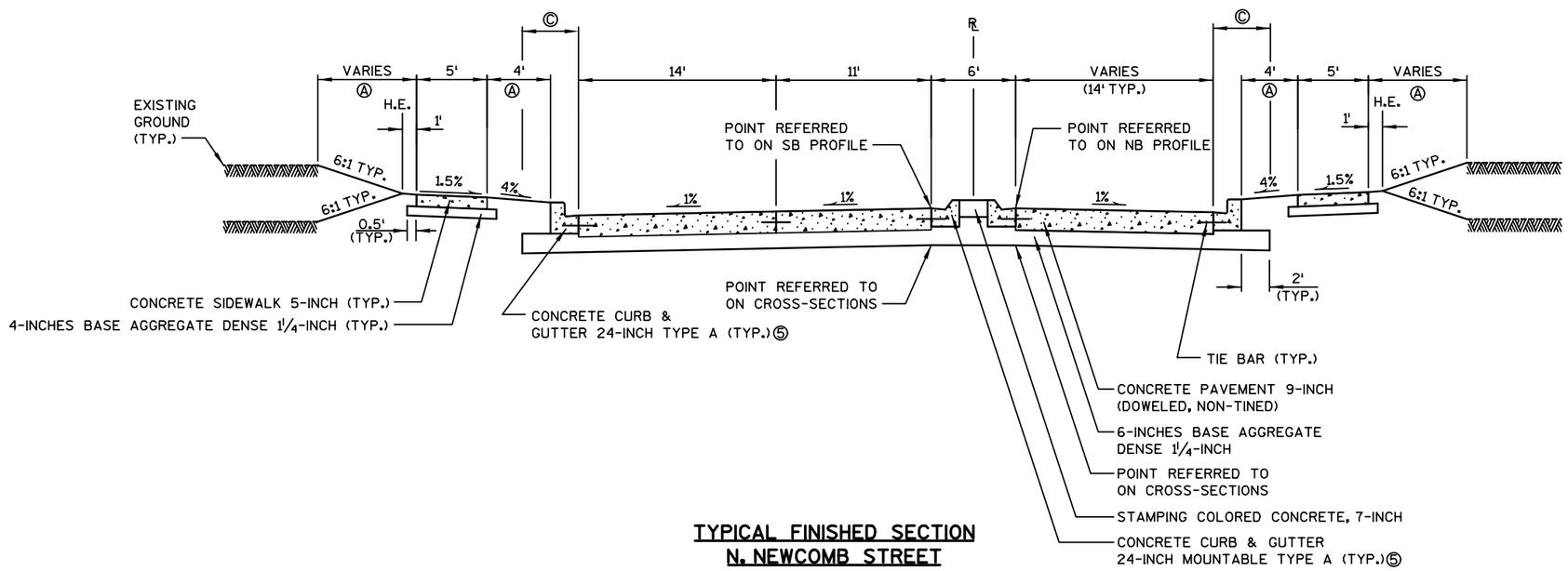
(2) 28.9'ESTERLY STREET
13'-30'S. NEWCOMB STREET

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	EXISTING TYPICAL SECTIONS	SHEET 4	E



TYPICAL FINISHED SECTION
E. MILWAUKEE STREET

STA. 95+25 - STA 102+75



TYPICAL FINISHED SECTION
N. NEWCOMB STREET

STA. 10+00 NN - STA 12+48.2 NN

Ⓐ TOPSOIL; SOD LAWN; FERTILIZER TYPE B

Ⓑ 7' LATERAL CLEARANCE

Ⓒ 4' LATERAL CLEARANCE

① REVERSE FOR EASTBOUND LEFT TURN LANE(S)

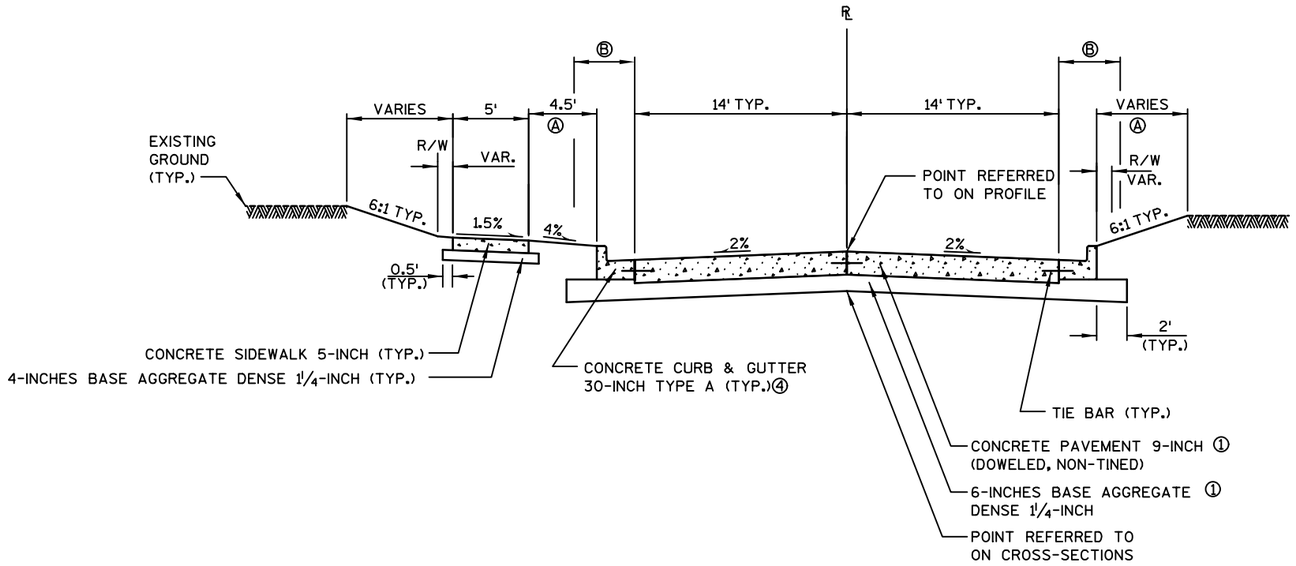
② CONCRETE CURB & GUTTER 24-INCH TYPE A (STA. 97+96 - STA. 99+40); CONCRETE CURB & GUTTER MOUNTABLE 24-INCH TYPE A (STA. 100+58 - STA. 101+69).

③ STAMPING COLORED CONCRETE, 4-INCH (STA. 97+96 - STA. 99+40); STAMPING COLORED CONCRETE, 7-INCH (STA. 100+58 - STA. 101+69).

④ SEE PLAN DETAILS FOR ADDITIONAL INFORMATION

⑤ GUTTER SLOPE OF 6.25%

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	TYPICAL SECTIONS	SHEET 5	E



TYPICAL FINISHED SECTION
S. NEWCOMB STREET & ESTERLY STREET

STA. 7+84.5 SN - STA. 10+00 SN
STA. 8+95 E - STA. 10+00 E

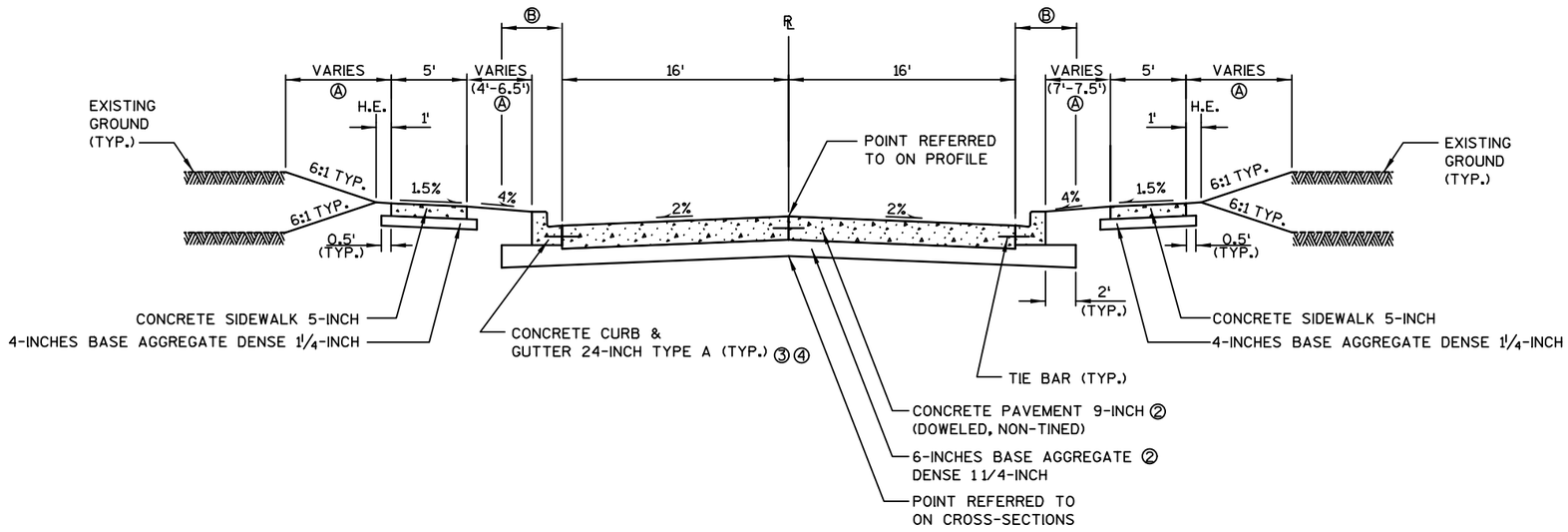
① STA. 8+95 E TO STA. 9+00 E
AND STA. 7+84.5 SN TO 8+80 SN
1¾ HMA PAVEMENT 4 MT 58-28 S
2¼ HMA PAVEMENT 3 MT 58-28 S OVER
12-INCHES BASE AGGREGATE DENSE 1¼-INCH

② STA. 12+57 NN TO STA. 12+77 NN
AND STA. 12+85 NN TO 13+05 NN
2¼ HMA PAVEMENT 4 MT 58-28 S
3½ HMA PAVEMENT 3 MT 58-28 S OVER
11-INCHES BASE AGGREGATE DENSE 1¼-INCH

③ STA. 12+57 NN TO STA. 12+70 NN
AND STA. 12+92 NN TO 13+05 NN
CONCRETE CURB & GUTTER
24-INCH TYPE D

④ GUTTER SLOPE OF 6.25%

Ⓐ TOPSOIL; SOD LAWN, FERTILIZER TYPE B
Ⓑ 4' LATERAL CLEARANCE



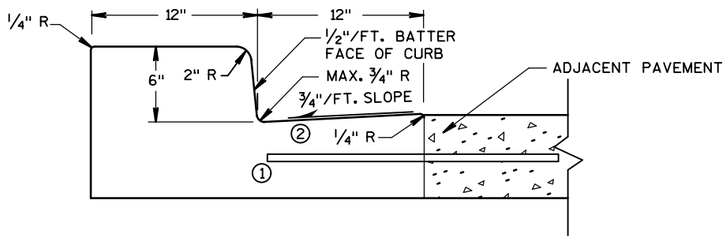
TYPICAL FINISHED SECTION
N. NEWCOMB STREET

STA. 12+48.2 NN - STA 13+85 NN

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	TYPICAL SECTIONS	SHEET 6	E

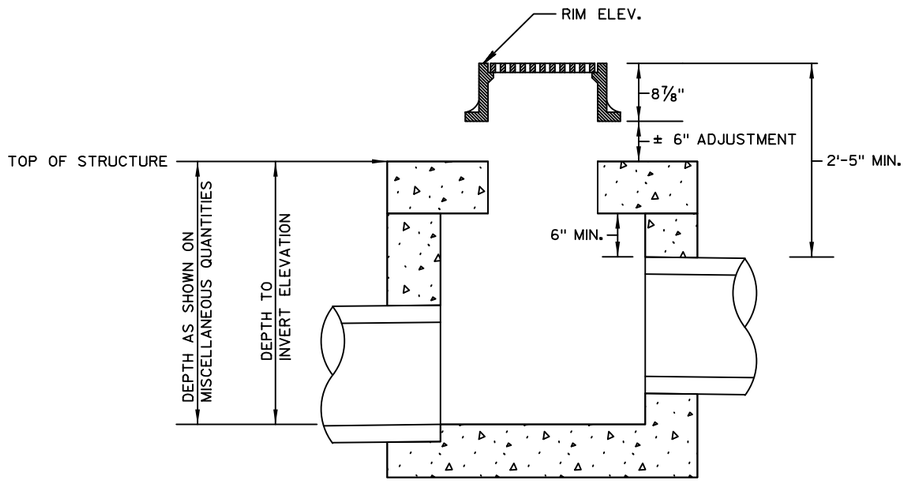
① TIE BARS ARE REQUIRED FOR TYPE A, WHEN CURB AND GUTTER IS PLACED ADJACENT TO CONCRETE PAVEMENT.

② SEE PLAN DETAILS FOR REVERSE SLOPE (0.5%) GUTTER LOCATIONS.



SEE S.D.D. "CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES" FOR ADDITIONAL INFORMATION AND TYPICAL TIE BAR LOCATION.

CONCRETE CURB & GUTTER 24-INCH TYPE A AND TYPE D

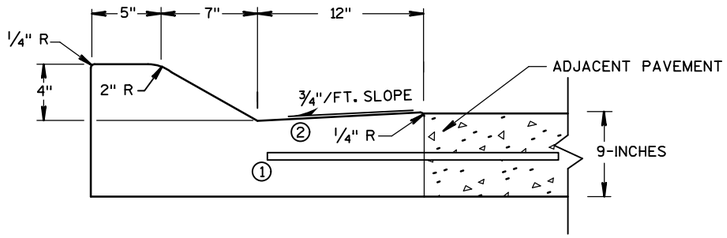


(MANHOLES 4-FT DIAMETER WITH MANHOLE COVERS TYPE J SHOWN)

DETAIL FOR COMPUTING MANHOLE ELEVATIONS

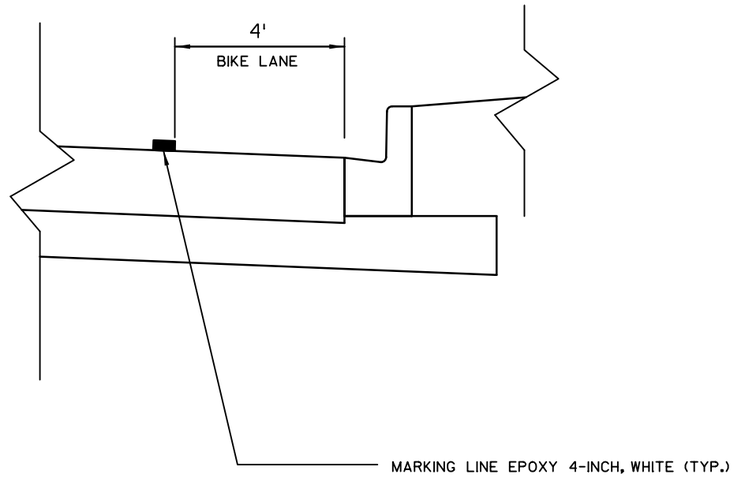
① TIE BARS ARE REQUIRED WHEN CURB AND GUTTER IS PLACED ADJACENT TO CONCRETE PAVEMENT.

② SEE PLAN DETAILS FOR REVERSE SLOPE (0.5%) GUTTER LOCATIONS.



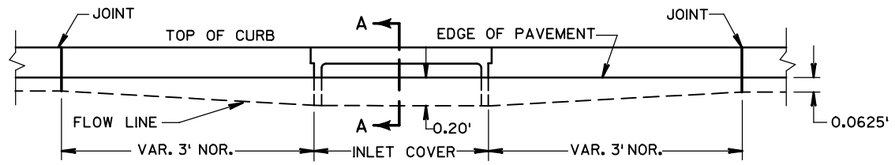
SEE S.D.D. "CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES" FOR ADDITIONAL INFORMATION AND TYPICAL TIE BAR LOCATION.

CONCRETE CURB & GUTTER 24-INCH MOUNTABLE TYPE A

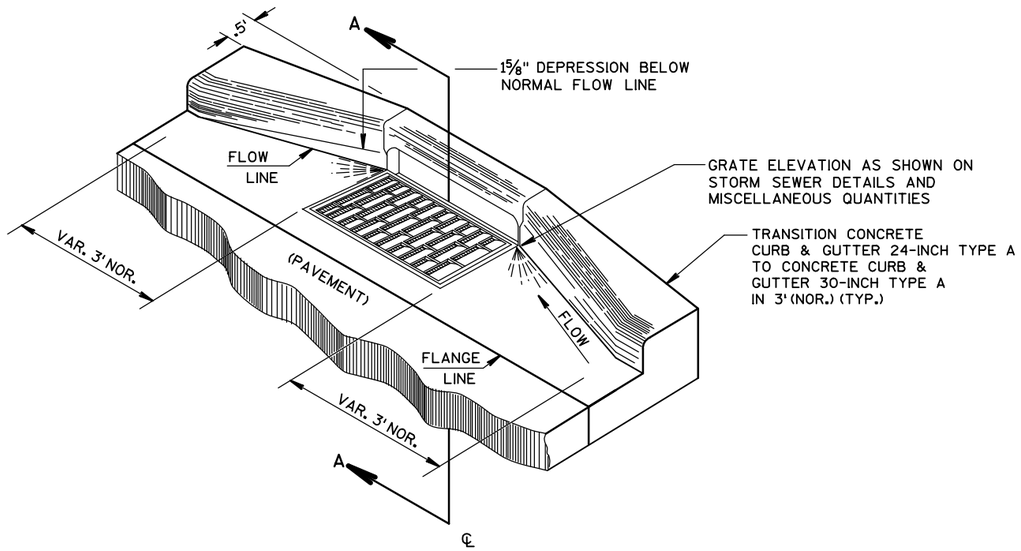


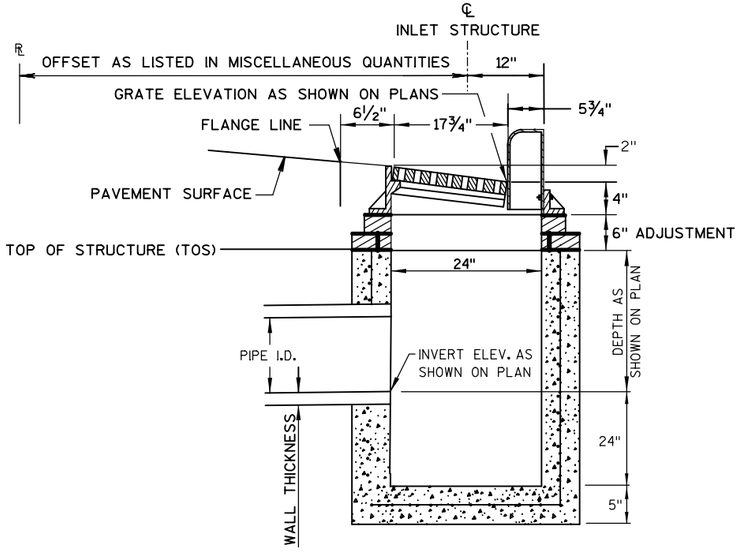
NOTE: SEE PAVEMENT MARKING SHEETS FOR ADDITIONAL INFORMATION.
SEE S.D.D "BICYCLE LANE MARKING" FOR ADDITIONAL INFORMATION.

BIKE LANE PAVEMENT MARKING LOCATION



ELEVATION

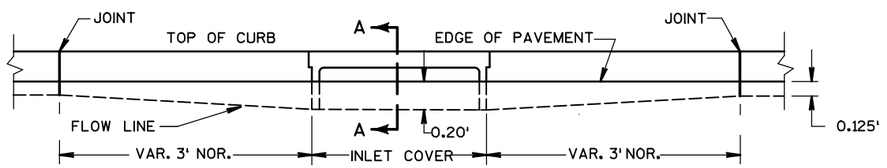




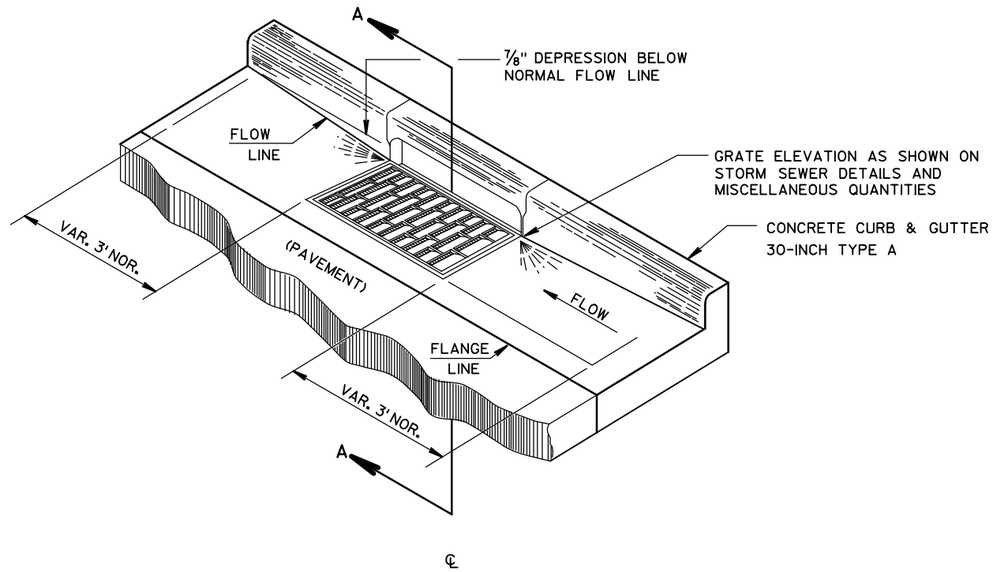
SEE S.D.D. "CATCH BASINS 2x3-FT AND 2.5x3-FT" FOR ADDITIONAL INFORMATION

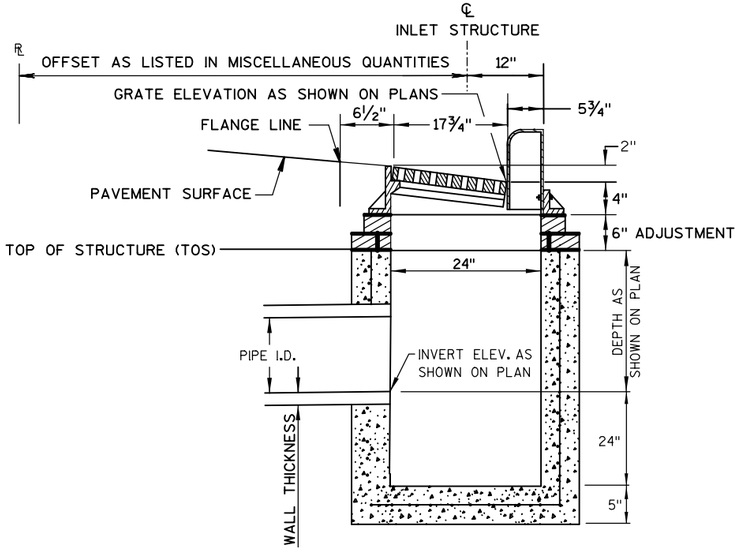
SECTION A-A
(CATCH BASINS 2X3-FT - H OR HS SHOWN)

DETAIL OF CONCRETE CURB & GUTTER 24-INCH AT CATCH BASINS



ELEVATION

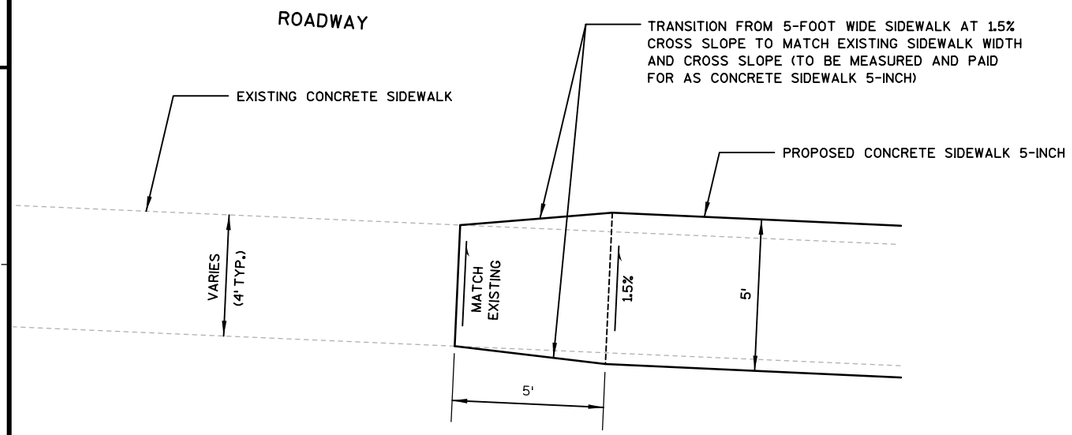




SEE S.D.D. "CATCH BASINS 2x3-FT AND 2.5x3-FT" FOR ADDITIONAL INFORMATION

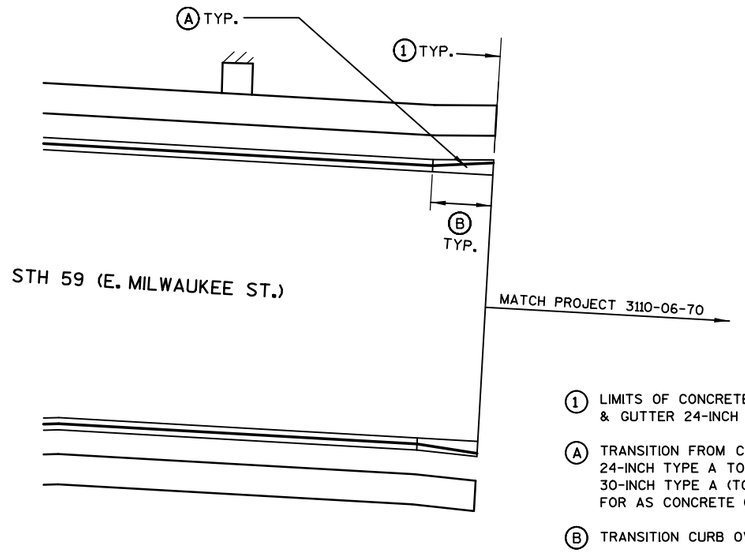
SECTION A-A
(CATCH BASINS 2X3-FT - H OR HS SHOWN)

DETAIL OF CONCRETE CURB & GUTTER 30-INCH TYPE A OR TYPE D AT CATCH BASINS



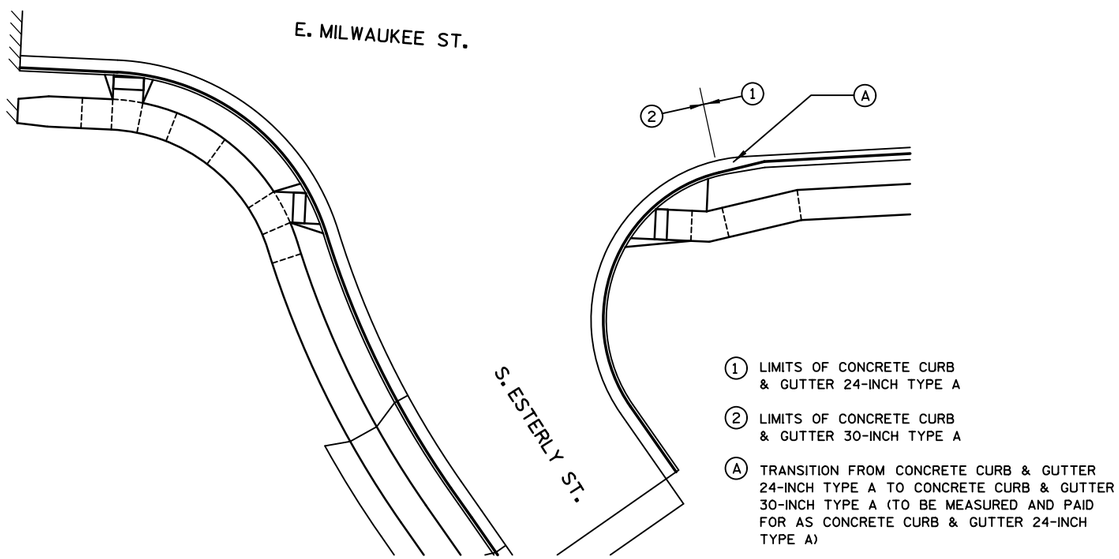
CONCRETE SIDEWALK TRANSITION AT PROJECT LIMITS

STA. 95+25 RT & LT AND STA. 13+85 NN RT & LT

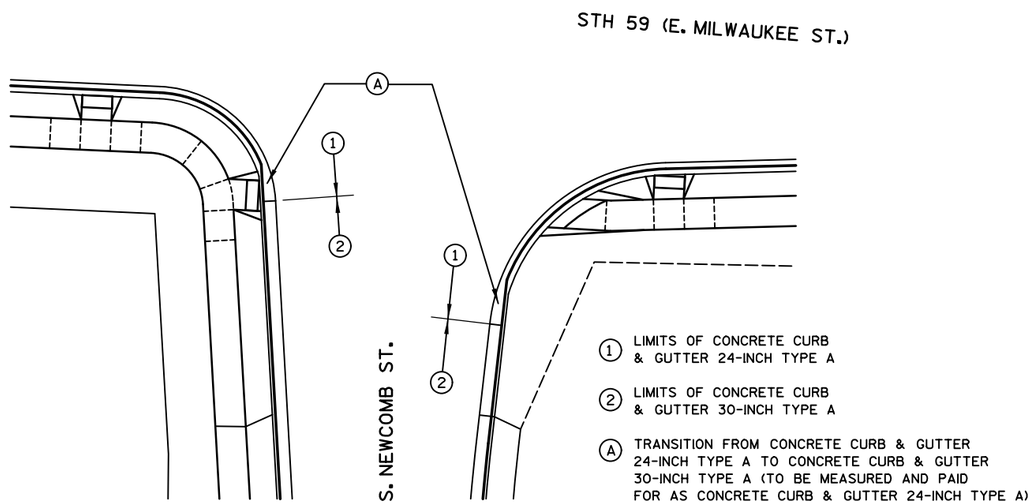


CONCRETE CURB AND GUTTER TRANSITION FROM 24-INCH TO 30-INCH - E. MILWAUKEE ST.

STA. 95+25 LT AND STA. 102+75 LT & RT



CONCRETE CURB AND GUTTER TRANSITION FROM 24-INCH TO 30-INCH - S. ESTERLY ST.



CONCRETE CURB AND GUTTER TRANSITION FROM 24-INCH TO 30-INCH - S. NEWCOMB ST.

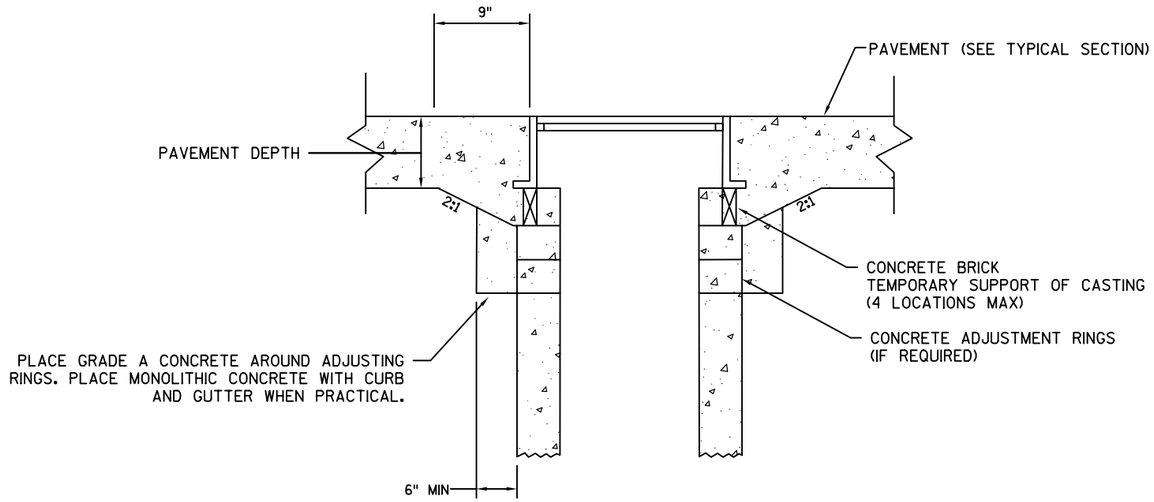
FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\021003_cd.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 42

2

RUNOFF COEFFICIENT TABLE

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

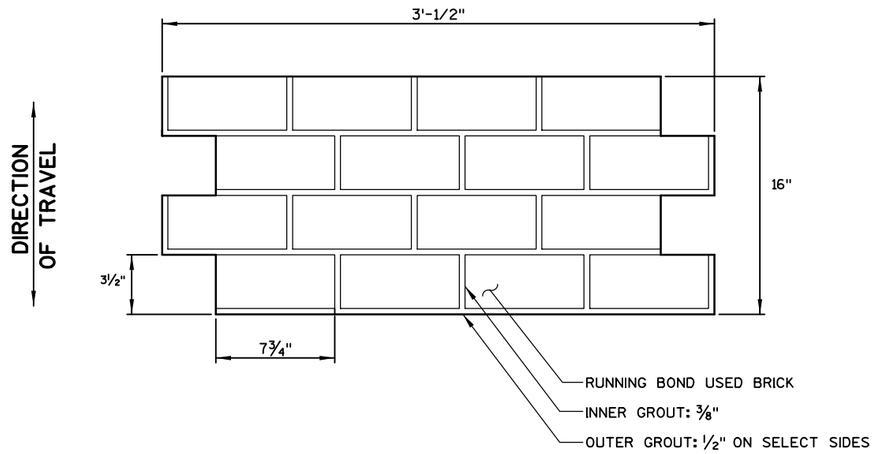
TOTAL PROJECT AREA = 2.97 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 2.51 ACRES



MONOLITHIC CONCRETE SHIMMING DETAIL

PROVIDE MONOLITHIC CONCRETE SHIMMING FOR ALL PROPOSED COVERS LOCATED IN CONCRETE PAVEMENT AND CONCRETE CURB & GUTTER.

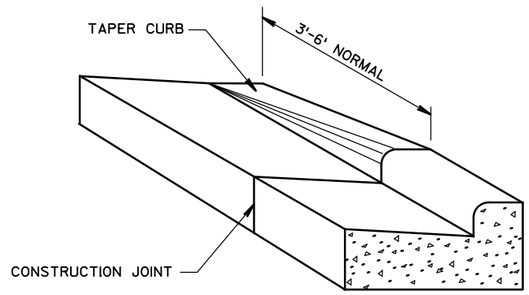
COST OF GRADE A CONCRETE AND CONCRETE BLOCK IS INCIDENTAL TO MANHOLE OR INLET BID ITEM



MAX. TEXTURE DEPTH: ¼"

PATTERN FOR STAMPING COLORED CONCRETE

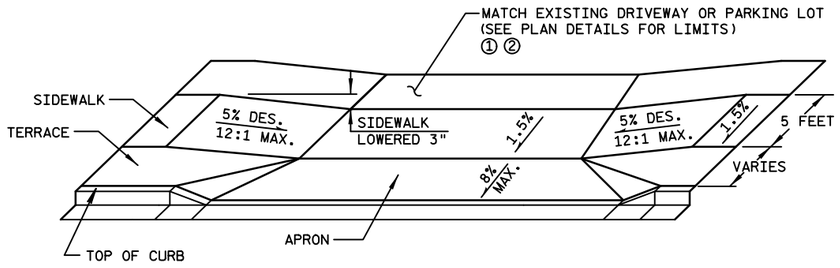
(AT MEDIANS)



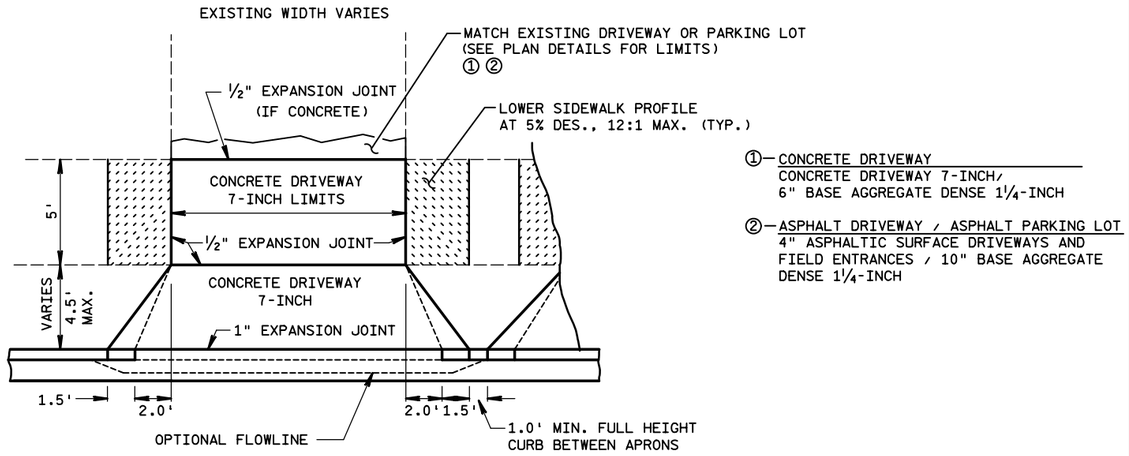
DETAIL OF CONCRETE CURB & GUTTER TERMINI

(CONCRETE CURB & GUTTER 30-INCH SHOWN)

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	CONSTRUCTION DETAILS	SHEET 10	E



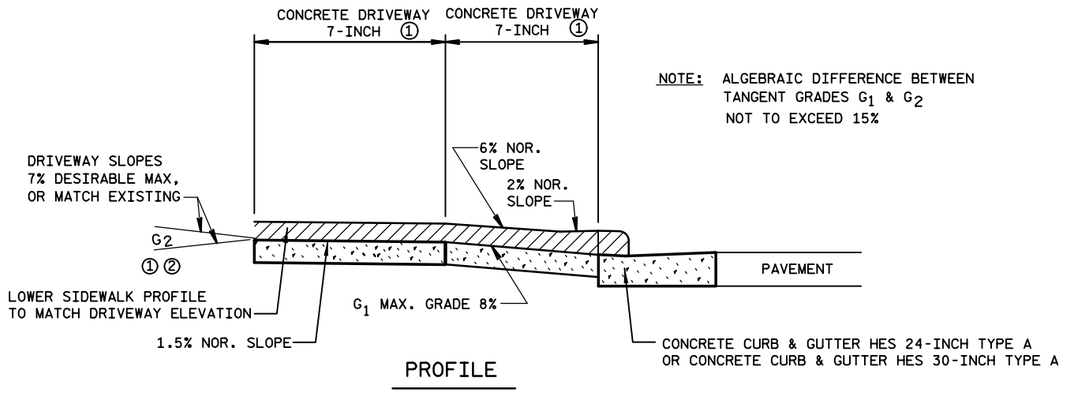
LOWERING SIDEWALK AT DRIVEWAY APRONS



① CONCRETE DRIVEWAY
CONCRETE DRIVEWAY 7-INCH, 6" BASE AGGREGATE DENSE 1¼-INCH

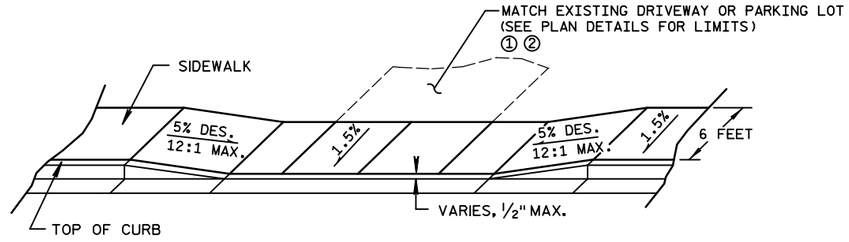
② ASPHALT DRIVEWAY / ASPHALT PARKING LOT
4" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES / 10" BASE AGGREGATE DENSE 1¼-INCH

PLAN

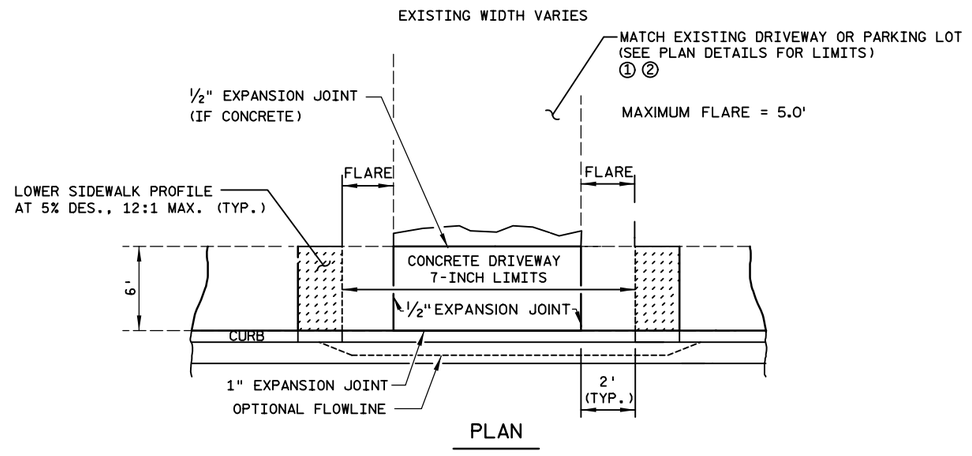


PROFILE

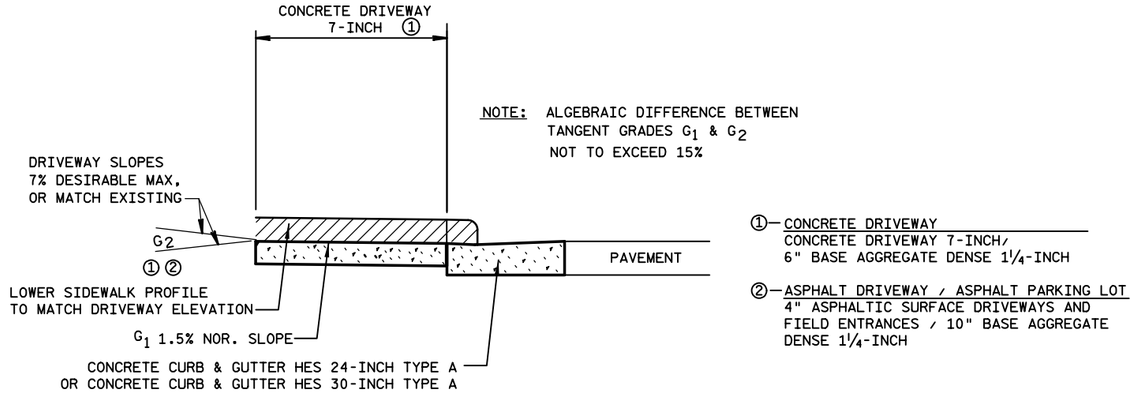
DRIVEWAY ENTRANCE DETAIL WITH TERRACE



LOWERING SIDEWALK AT DRIVEWAY APRONS



PLAN

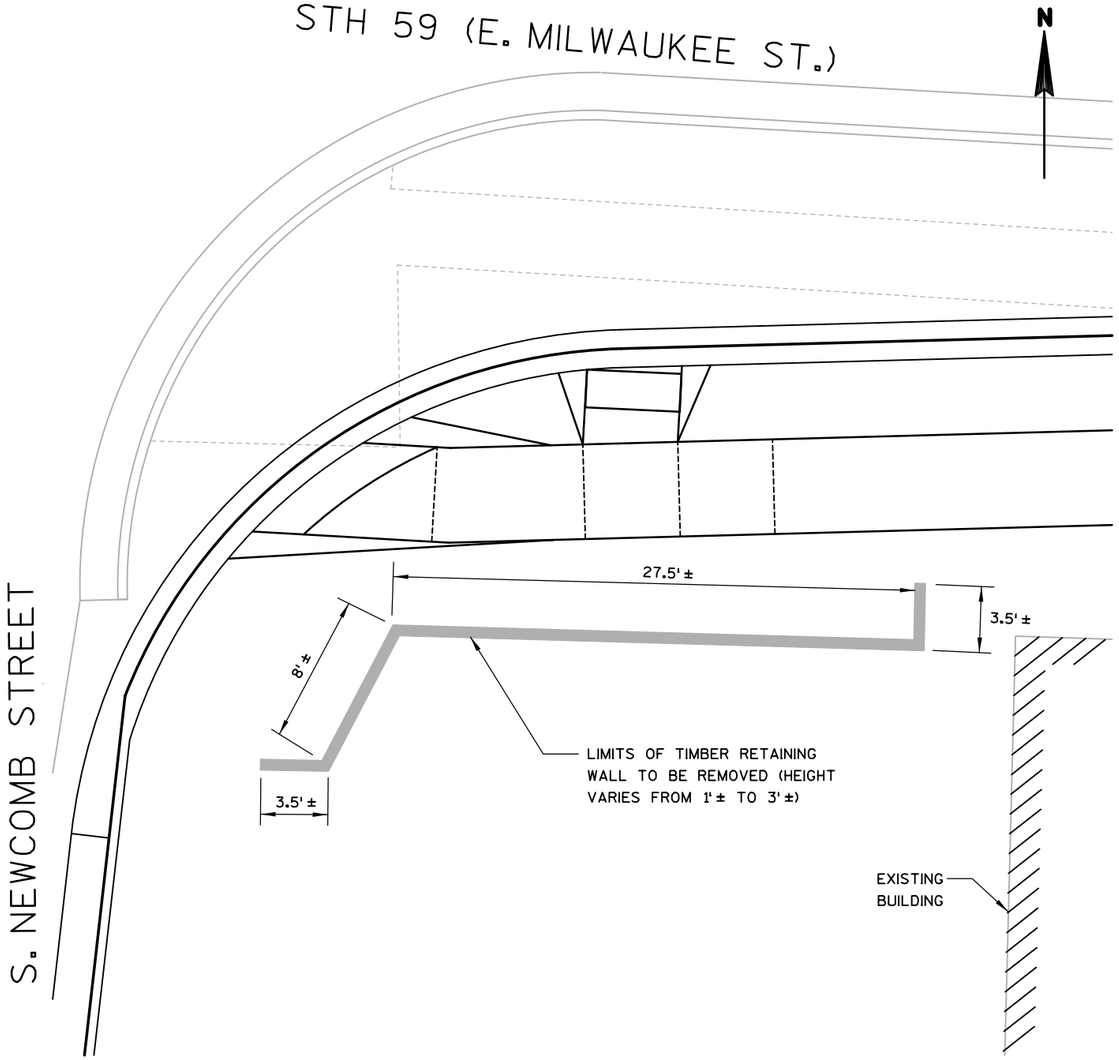


① CONCRETE DRIVEWAY
CONCRETE DRIVEWAY 7-INCH, 6" BASE AGGREGATE DENSE 1¼-INCH

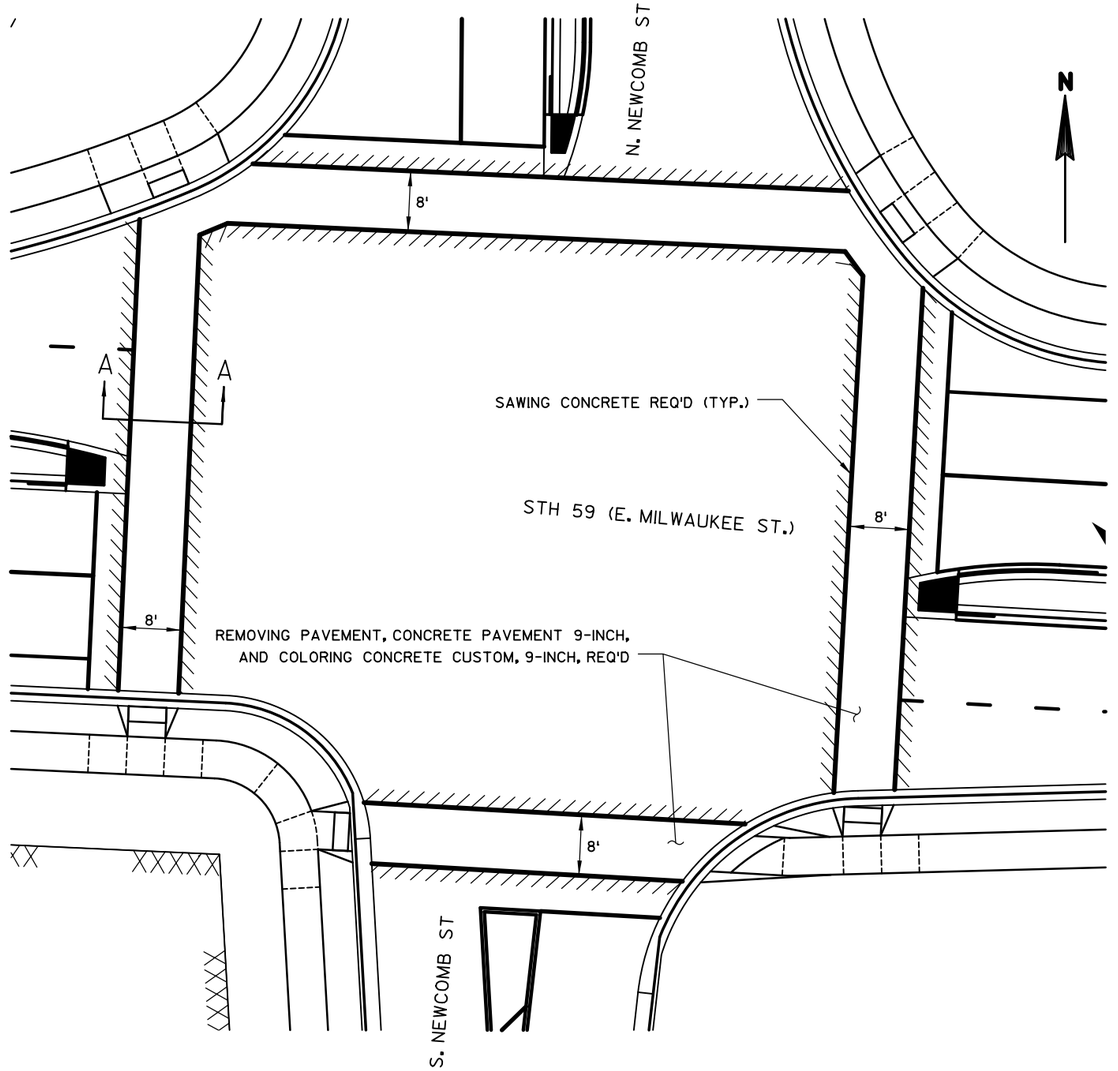
② ASPHALT DRIVEWAY / ASPHALT PARKING LOT
4" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES / 10" BASE AGGREGATE DENSE 1¼-INCH

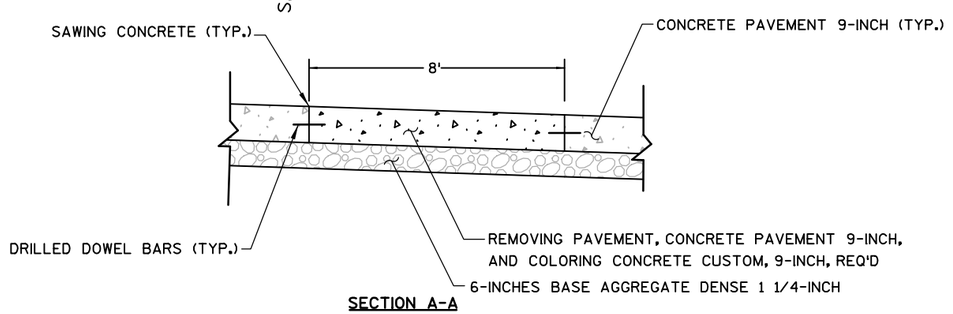
PROFILE

DRIVEWAY ENTRANCE DETAIL WITHOUT TERRACE



REMOVING TIMBER RETAINING WALL
STA. 102+29 TO STA. 100+63 RT

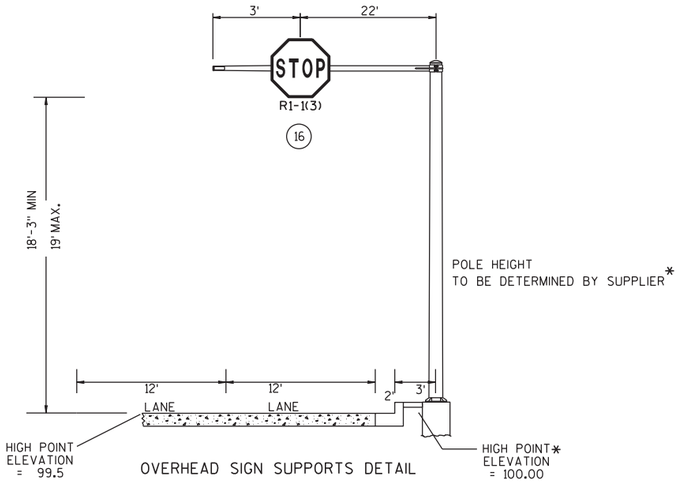




SECTION A-A

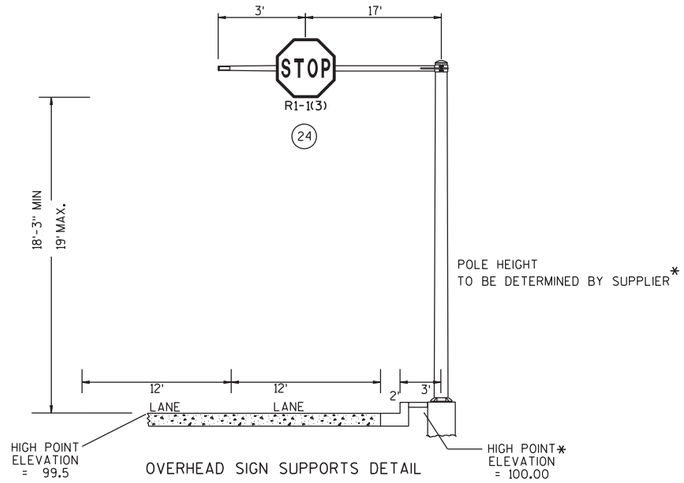
COLORED CROSSWALK DETAIL

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	CONSTRUCTION DETAILS	SHEET 12	E



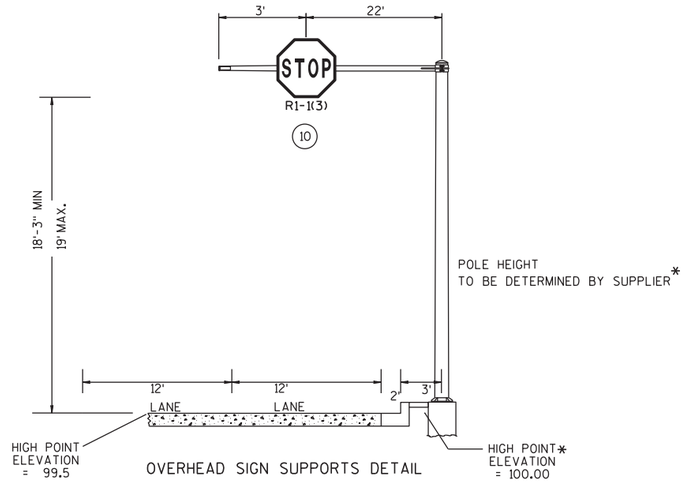
OVERHEAD SIGN SUPPORTS DETAIL

S-64-605
E. MILWAUKEE ST. &
NEWCOMB ST WB (STH 59)



OVERHEAD SIGN SUPPORTS DETAIL

S-64-606
E. MILWAUKEE ST. &
NEWCOMB ST EB (STH 59)



OVERHEAD SIGN SUPPORTS DETAIL

S-64-607
E. MILWAUKEE ST. &
NEWCOMB ST SB (STH 59)

NOTE, CONTRACTOR SHALL:

1. SUBMIT SHOP DRAWINGS OF OVERHEAD SIGN SUPPORT. FOOTING IS INCIDENTAL TO OVERHEAD SIGN SUPPORT.
2. PROVIDE DESIGN CALCULATIONS.
3. SHOW SIGNS ON SHOP DRAWINGS.
4. I.D. PLAQUE INCIDENTAL TO OVERHEAD SIGN SUPPORT PER STANDARD SPEC 641.3.1.4.
5. 6 ANCHOR RODS MINIMUM PER STANDARD DETAIL DRAWING. DESIGN STRUCTURE BASE PLATE CONNECTION TO ACCOMODATE.
6. REFER TO SIGN PLATE A4-7.4 FOR ATTACHMENT OF SIGNS TO OVERHEAD SIGN SUPPORT
7. INSTALL SIGNS OR SIGN BLANKS ON OVERHEAD SIGN SUPPORTS AT THE TIME OF ERECTION AS SPECIFIED IN STANDARD SPEC 641.3.1.4.

CONTRACTOR TO USE SDD . 30" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE.

MOUNTING BRACKETS FOR SIGNS TO BE APPROVED FROM PRODUCT LIST FOR TYPE II SIGNS

NOTE: BEDROCK AT 6-7 FEET BELOW GRADE. OVERHEAD SIGN SUPPORT BASE MODIFIED TO 6-7 FOOT DEPTH AT BEDROCK.

GENERAL NOTES

1. DRAWINGS NOT TO SCALE.
2. DESIGN ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 6TH EDITION & INTERIM REVISIONS FATIGUE CATEGORY I CANTILEVERS.
3. THE SIGN STRUCTURES SHALL BE DESIGNED TO SUPPORT THE SIGNS SHOWN.
4. WIND VELOCITY PER WISDOT STD SPECIFICATIONS.
5. BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 3" CLEAR UNLESS DETAILED OTHERWISE.

2

2

N

15+00 NN
14+00 NN
13+00 NN
12+00 NN
11+00 NN
9+00 SN
8+00 SN
3+00 E

CR-11
CR-13
CR-10
CR-12
CR-1
CR-2
CR-3
CR-4
CR-5
CR-6
CR-7
CR-8
CR-9

E. MAIN STREET

WISCONSIN & SOUTHERN RAILROAD

STH 59 / N. NEWCOMB STREET

93+00
94+00
95+00
96+00
97+00
98+00
99+00
100+00
101+00
102+00
103+00
104+00
105+00
106+00
107+00

E. MILWAUKEE STREET

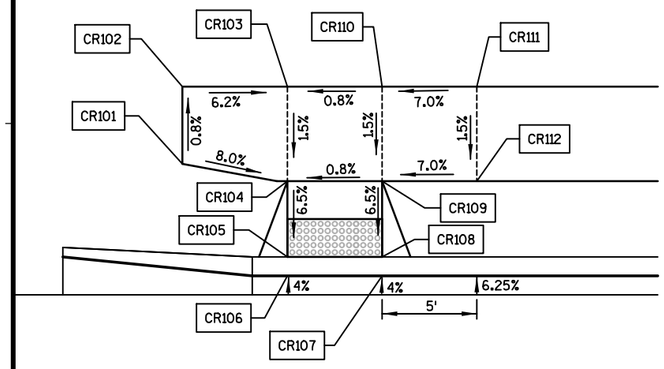
STH 59 / E. MILWAUKEE STREET

ESTERLY STREET

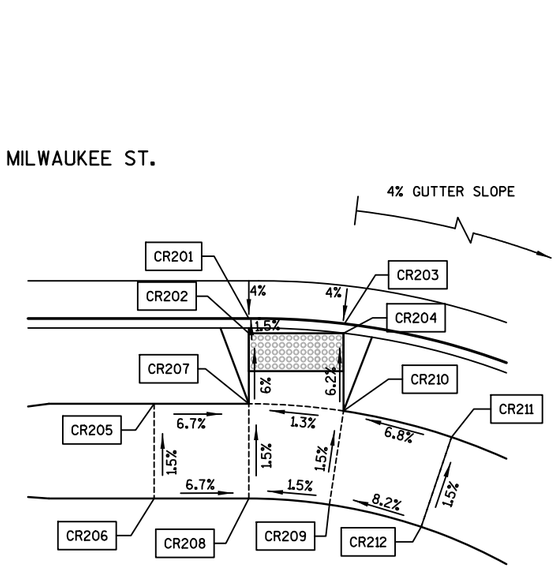
S. NEWCOMB STREET

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	CONSTRUCTION DETAILS - CURB RAMP DETAILS OVERVIEW	SHEET	E

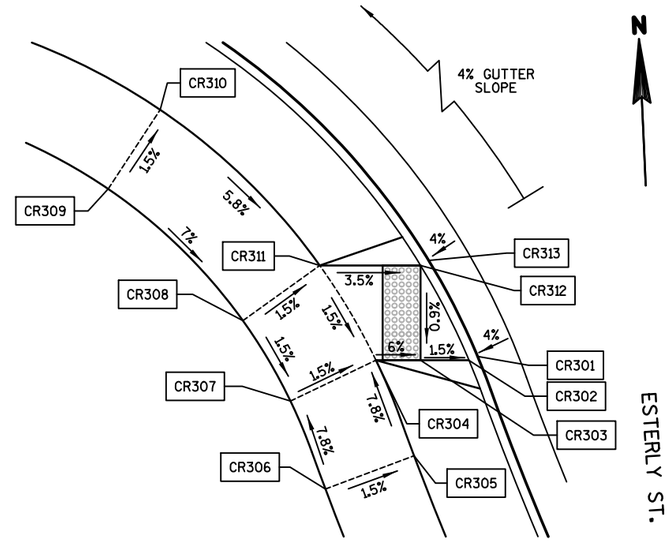
FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\021010_cd_Curb Ramps.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



CR-1



CR-2



CR-3

CR-1 POINTS			
POINT NO.	MILWAUKEE STREET STATION	MILWAUKEE STREET OFFSET	ELEV.
CR101	95+35.00	28.91'LT	*
CR102	95+35.00	33.00'LT	*
CR103	95+40.55	33.00'LT	828.48
CR104	95+40.55	28.00'LT	828.40
CR105	95+40.55	24.00'LT	828.14
CR106	95+40.55	23.00'LT	828.08
CR107	95+45.55	23.00'LT	828.12
CR108	95+45.55	24.00'LT	828.18
CR109	95+45.55	28.00'LT	828.44
CR110	95+45.55	33.00'LT	828.52
CR111	95+50.55	33.00'LT	828.87
CR112	95+50.55	28.00'LT	828.79

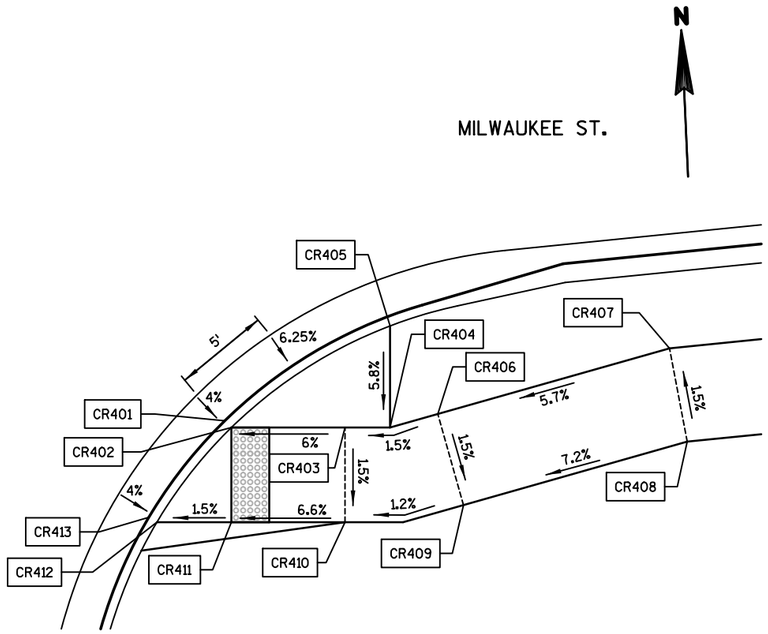
CR-2 POINTS			
POINT NO.	MILWAUKEE STREET STATION	MILWAUKEE STREET OFFSET	ELEV.
CR201	95+40.55	24.00'RT	827.92
CR202	95+40.55	24.77'RT	827.93
CR203	95+45.62	24.27'RT	827.96
CR204	95+45.55	24.77'RT	827.97
CR205	95+35.55	28.50'RT	828.49
CR206	95+35.55	33.50'RT	828.57
CR207	95+40.55	28.50'RT	828.15
CR208	95+40.55	33.50'RT	828.23
CR209	95+44.81	33.82'RT	828.29
CR210	95+45.55	28.88'RT	828.22
CR211	95+51.26	30.26'RT	828.62
CR212	95+49.66	35.00'RT	828.70

CR-3 POINTS			
POINT NO.	ESTERLY STREET STATION	ESTERLY STREET OFFSET	ELEV.
CR301	9+52.70	31.05'LT	827.74
CR302	9+52.50	31.52'LT	827.75
CR303	9+52.50	34.06'LT	827.79
CR304	9+52.50	36.43'LT	827.93
CR305	9+47.45	34.41'LT	828.32
CR306	9+45.69	39.09'LT	828.40
CR307	9+50.34	40.93'LT	828.01
CR308	9+54.59	43.45'LT	828.09
CR309	9+61.54	50.56'LT	828.79
CR310	9+65.72	47.81'LT	828.71
CR311	9+57.50	39.39'LT	828.02
CR312	9+57.50	34.06'LT	827.83
CR313	9+57.76	33.63'LT	827.82

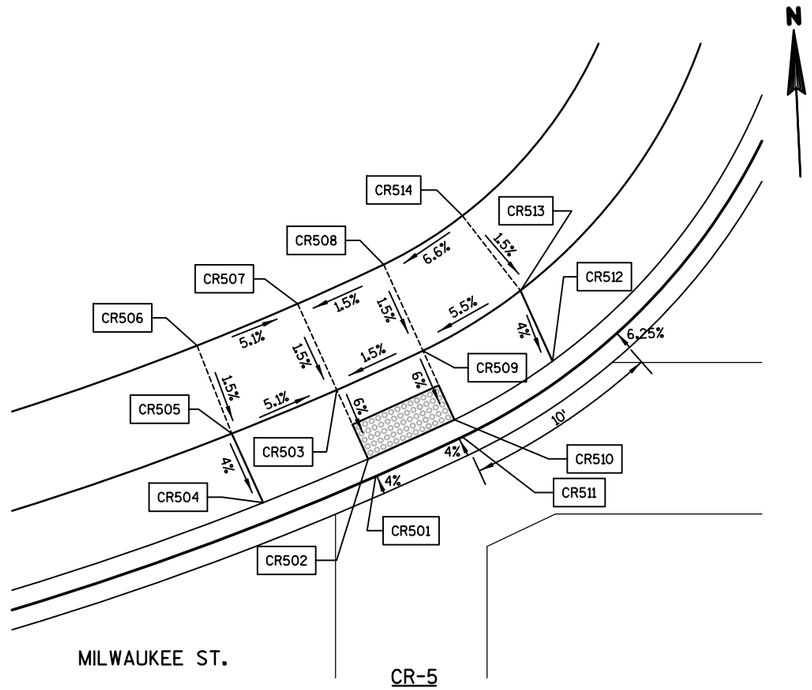
CR-4 POINTS			
POINT NO.	ESTERLY STREET STATION	ESTERLY STREET OFFSET	ELEV.
CR401	9+57.86	23.41'RT	828.19
CR402	9+57.50	23.76'RT	828.20
CR403	9+57.50	29.76'RT	828.56
CR404	9+57.50	32.14'RT	828.60
CR405	9+62.87	32.14'RT	828.91
CR406	9+58.22	34.66'RT	828.64
CR407	9+61.69	46.89'RT	829.36
CR408	9+56.76	47.83'RT	829.44
CR409	9+53.41	36.02'RT	828.56
CR410	9+52.50	29.76'RT	828.49
CR411	9+52.50	23.76'RT	828.10
CR412	9+52.50	19.82'RT	828.04
CR413	9+52.76	19.39'RT	828.03

CR-5 POINTS			
POINT NO.	MILWAUKEE STREET STATION	MILWAUKEE STREET OFFSET	ELEV.
CR501	99+50.13	37.25'LT	830.36
CR502	99+49.73	38.17'LT	830.42
CR503	99+48.07	41.81'LT	830.66
CR504	99+44.18	35.86'LT	830.81
CR505	99+42.53	39.51'LT	830.97
CR506	99+40.69	44.16'LT	831.04
CR507	99+46.00	46.36'LT	830.73
CR508	99+50.55	48.44'LT	830.81
CR509	99+52.62	43.88'LT	830.73
CR510	99+54.28	40.24'LT	830.44
CR511	99+54.71	39.34'LT	830.38
CR512	99+59.46	43.33'LT	830.90
CR513	99+57.77	47.06'LT	831.06
CR514	99+54.71	51.02'LT	831.14

*MATCH EXISTING

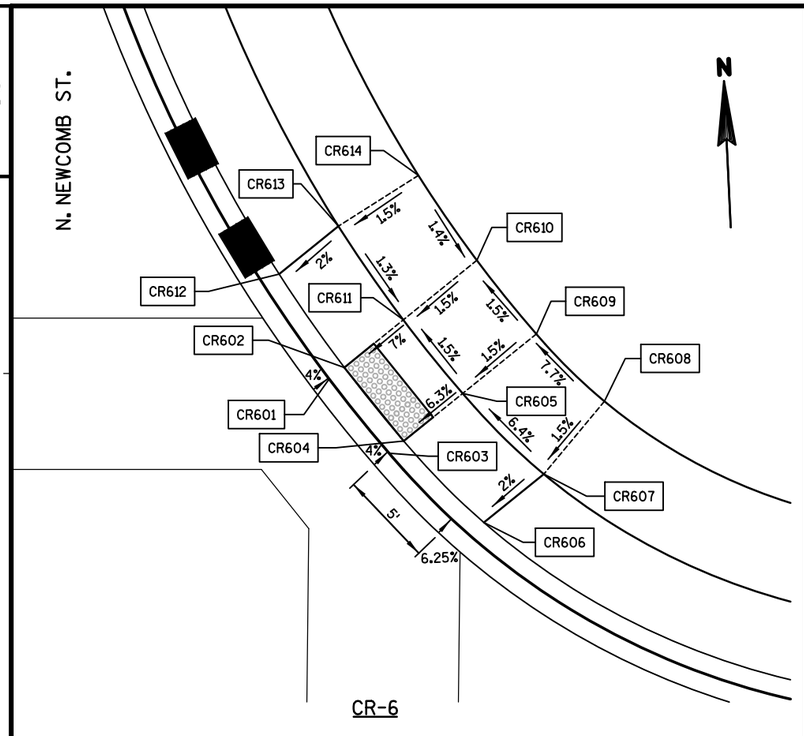


CR-4

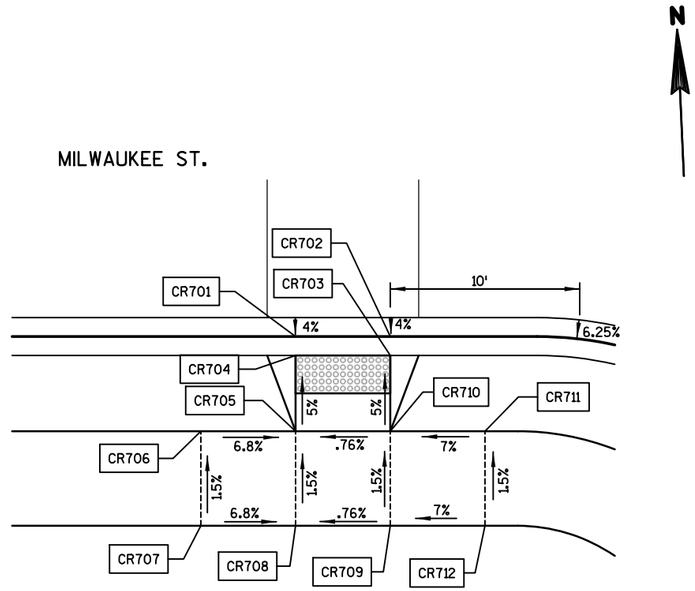


CR-5

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	CONSTRUCTION DETAILS - CURB RAMP DETAILS	SHEET 15	E



CR-6



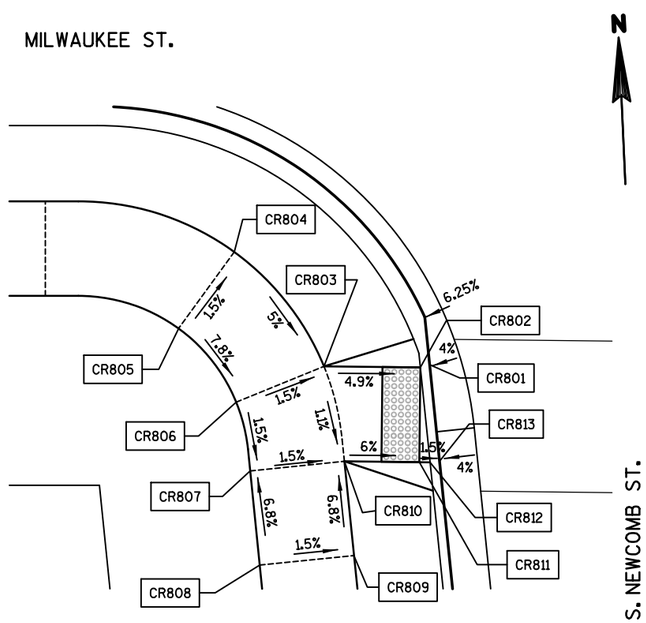
CR-7

CR-6 POINTS			
POINT NO.	MILWAUKEE STREET STATION	MILWAUKEE STREET OFFSET	ELEV.
CR601	100+44.38	40.54'LT	830.56
CR602	100+45.17	41.15'LT	830.63
CR603	100+47.60	36.65'LT	830.67
CR604	100+48.35	37.29'LT	830.73
CR605	100+51.44	39.84'LT	830.99
CR606	100+52.63	33.04'LT	831.29
CR607	100+55.77	35.64'LT	831.37
CR608	100+58.92	39.51'LT	831.45
CR609	100+55.30	43.03'LT	831.06
CR610	100+52.11	46.88'LT	830.99
CR611	100+48.25	43.70'LT	830.91
CR612	100+41.68	46.05'LT	830.90
CR613	100+44.78	48.61'LT	830.99
CR614	100+48.97	51.33'LT	831.06

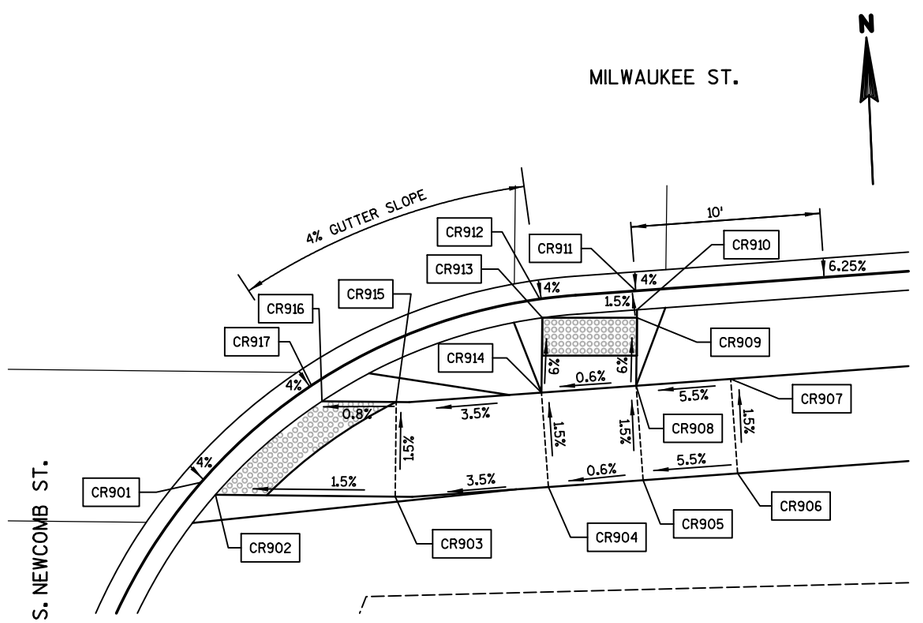
CR-7 POINTS			
POINT NO.	MILWAUKEE STREET STATION	MILWAUKEE STREET OFFSET	ELEV.
CR701	99+49.50	28.00'RT	830.53
CR702	99+54.50	28.00'RT	830.57
CR703	99+54.50	29.00'RT	830.62
CR704	99+49.50	29.00'RT	830.58
CR705	99+49.50	33.00'RT	830.78
CR706	99+44.50	33.00'RT	831.12
CR707	99+44.50	38.00'RT	831.20
CR708	99+49.50	38.00'RT	830.86
CR709	99+54.50	38.00'RT	830.90
CR710	99+54.50	33.00'RT	830.82
CR711	99+59.50	33.00'RT	831.17
CR712	99+59.50	38.00'RT	831.25

CR-8 POINTS			
POINT NO.	S. NEWCOMB STREET STATION	S. NEWCOMB STREET OFFSET	ELEV.
CR801	9+59.07	19.93'LT	830.62
CR802	9+58.94	20.42'LT	830.63
CR803	9+59.18	25.51'LT	830.88
CR804	9+65.40	30.02'LT	831.27
CR805	9+61.46	33.11'LT	831.34
CR806	9+57.47	30.21'LT	830.96
CR807	9+53.81	29.60'LT	830.90
CR808	9+48.82	29.28'LT	831.24
CR809	9+49.15	24.29'LT	831.16
CR810	9+54.14	24.61'LT	830.82
CR811	9+53.95	20.66'LT	830.59
CR812	9+53.92	20.09'LT	830.58
CR813	9+53.95	19.59'LT	830.57

CR-9 POINTS			
POINT NO.	MILWAUKEE STREET STATION	MILWAUKEE STREET OFFSET	ELEV.
CR901	100+26.96	46.35'RT	831.03
CR902	100+27.72	47.00'RT	831.04
CR903	100+37.22	47.00'RT	831.17
CR904	100+45.30	46.40'RT	831.45
CR905	100+50.30	45.99'RT	831.48
CR906	100+55.28	45.57'RT	831.75
CR907	100+54.87	40.59'RT	831.68
CR908	100+49.89	41.00'RT	831.40
CR909	100+49.89	37.41'RT	831.18
CR910	100+49.89	36.99'RT	831.17
CR911	100+49.80	35.99'RT	831.16
CR912	100+44.74	36.48'RT	831.12
CR913	100+44.89	37.47'RT	831.14
CR914	100+44.89	41.42'RT	831.37
CR915	100+37.22	42.00'RT	831.10
CR916	100+33.30	42.00'RT	831.07
CR917	100+32.74	41.17'RT	831.06

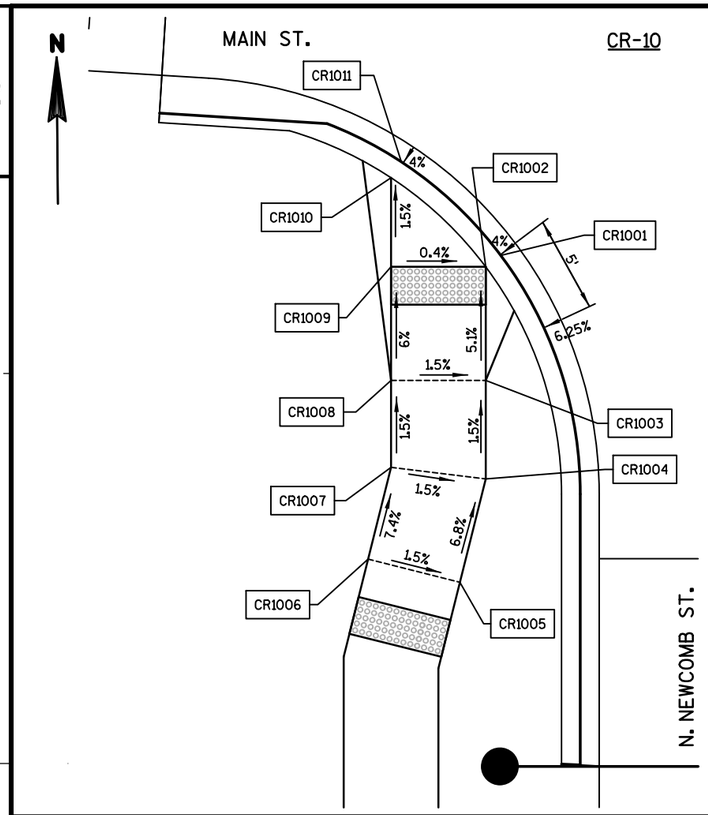


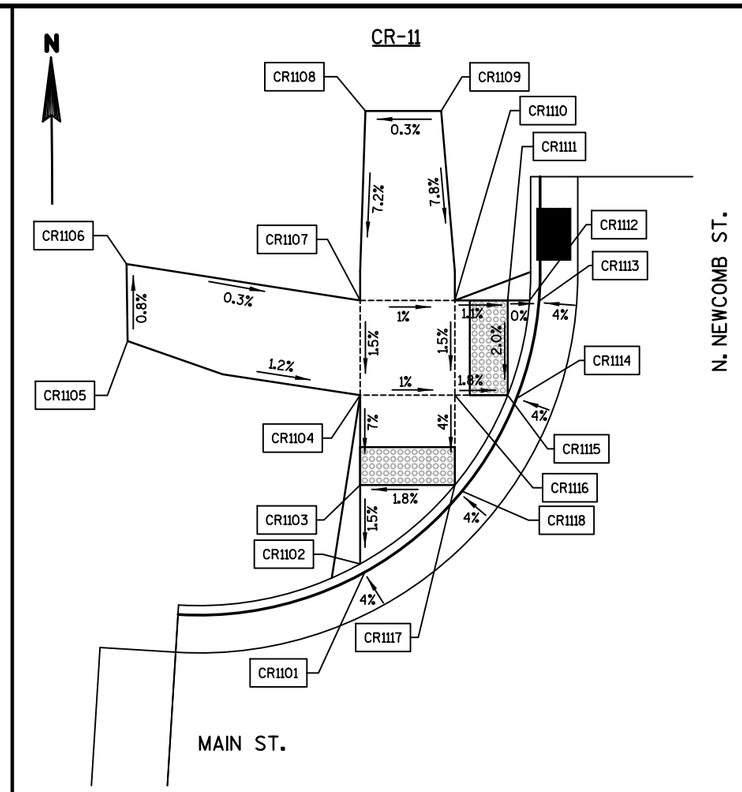
CR-8

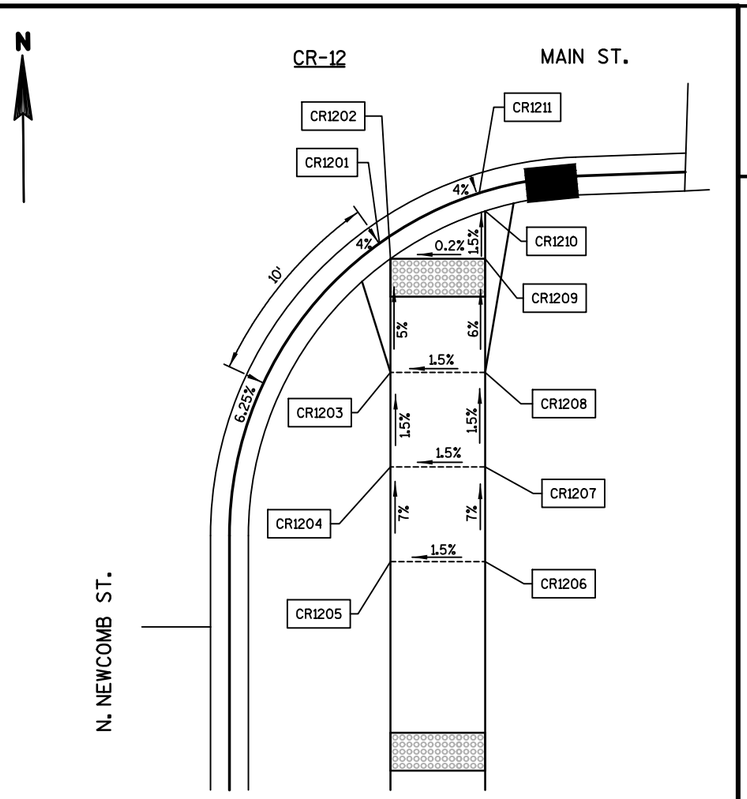


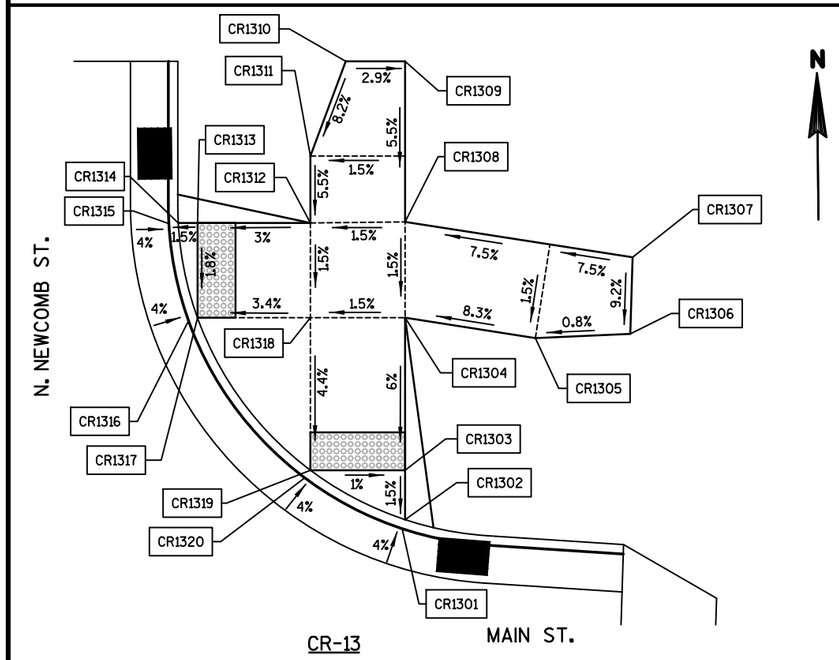
CR-9

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	CONSTRUCTION DETAILS - CURB RAMP DETAILS	SHEET 16	E









CR-10 POINTS			
POINT NO.	N. NEWCOMB STREET STATION	OFFSET	ELEV.
CR1001	13+20.46	21.20'LT	831.52
CR1002	13+19.86	22.00'LT	831.53
CR1003	13+13.86	22.00'LT	831.83
CR1004	13+08.66	22.00'LT	831.90
CR1005	13+03.21	23.36'LT	832.28
CR1006	13+04.42	28.21'LT	832.35
CR1007	13+09.27	27.00'LT	831.98
CR1008	13+13.86	27.00'LT	831.91
CR1009	13+19.86	27.00'LT	831.55
CR1010	13+24.56	27.00'LT	831.47
CR1011	13+25.40	26.45'LT	831.46

CR-11 POINTS			
POINT NO.	N. NEWCOMB STREET STATION	OFFSET	ELEV.
CR1101	13+64.14	27.26'LT	831.50
CR1102	13+64.58	27.50'LT	831.51
CR1103	13+68.74	27.50'LT	831.57
CR1104	13+73.49	27.50'LT	831.90
CR1105	13+76.34	39.78'LT	*
CR1106	13+80.41	39.83'LT	*
CR1107	13+78.49	27.50'LT	831.98
CR1108	13+88.49	27.22'LT	*
CR1109	13+88.49	23.22'LT	*
CR1110	13+78.49	22.50'LT	831.93
CR1111	13+78.49	19.71'LT	831.90
CR1112	13+78.49	18.55'LT	831.90
CR1113	13+78.45	18.06'LT	831.90
CR1114	13+73.31	19.24'LT	831.78
CR1115	13+73.49	19.71'LT	831.80
CR1116	13+73.49	22.50'LT	831.85
CR1117	13+68.74	22.50'LT	831.66
CR1118	13+68.42	22.11'LT	831.65

CR-12 POINTS			
POINT NO.	N. NEWCOMB STREET STATION	OFFSET	ELEV.
CR1201	13+24.70	24.92'RT	831.57
CR1202	13+23.89	25.50'RT	831.58
CR1203	13+17.89	25.50'RT	831.88
CR1204	13+12.89	25.50'RT	831.95
CR1205	13+07.89	25.50'RT	832.30
CR1206	13+07.89	30.50'RT	832.37
CR1207	13+12.89	30.50'RT	832.02
CR1208	13+17.89	30.50'RT	831.95
CR1209	13+23.89	30.50'RT	831.59
CR1210	13+26.41	30.50'RT	831.55
CR1211	13+27.36	30.19'RT	831.54

CR-13 POINTS			
POINT NO.	N. NEWCOMB STREET STATION	OFFSET	ELEV.
CR1301	13+60.35	30.34'RT	831.50
CR1302	13+60.82	30.50'RT	831.51
CR1303	13+63.44	30.50'RT	831.55
CR1304	13+71.49	30.50'RT	832.03
CR1305	13+70.42	37.38'RT	832.61
CR1306	13+70.64	42.39'RT	*
CR1307	13+74.68	42.52'RT	*
CR1308	13+76.55	30.50'RT	832.11
CR1309	13+85.02	30.50'RT	*
CR1310	13+85.02	27.37'RT	*
CR1311	13+80.02	25.50'RT	832.22
CR1312	13+76.49	25.50'RT	832.03
CR1313	13+76.49	19.54'RT	831.85
CR1314	13+76.49	18.53'RT	831.84
CR1315	13+76.46	18.03'RT	831.83
CR1316	13+71.32	19.07'RT	831.75
CR1317	13+71.49	19.54'RT	831.76
CR1318	13+71.49	25.50'RT	831.96
CR1319	13+63.44	25.50'RT	831.60
CR1320	13+63.04	25.20'RT	831.59

*MATCH EXISTING

2

2

N

EASTSIDER FIRESTONE

CANOPY

EASTSIDER FIRESTONE

CANOPY

SLOPE INTERCEPTS (TYP.)

CONCRETE CURB AND GUTTER TRANSITION FROM 24-INCH TO 30-INCH - E. MILWAUKEE ST. SEE CONSTRUCTION DETAIL

SIGN TO REMAIN

BEGIN CONSTRUCTION STA. 95+25.00

BEGIN CONSTRUCTION STA. 8+95 E

E. MILWAUKEE STREET

S. ESTERLY STREET

MATCH LINE STA. 99+00

BIKE LANE

FRAWLEY OIL

1 3/4-INCHES HMA PAVEMENT 4 MT 58-28 S
2 1/4-INCHES HMA PAVEMENT 3 MT 58-28 S
12-INCHES BASE AGGREGATE DENSE 1 1/4-INCH

SEE CROSS SLOPE TRANSITION PAVEMENT GRADES FOR ADDITIONAL INFORMATION

LEGEND

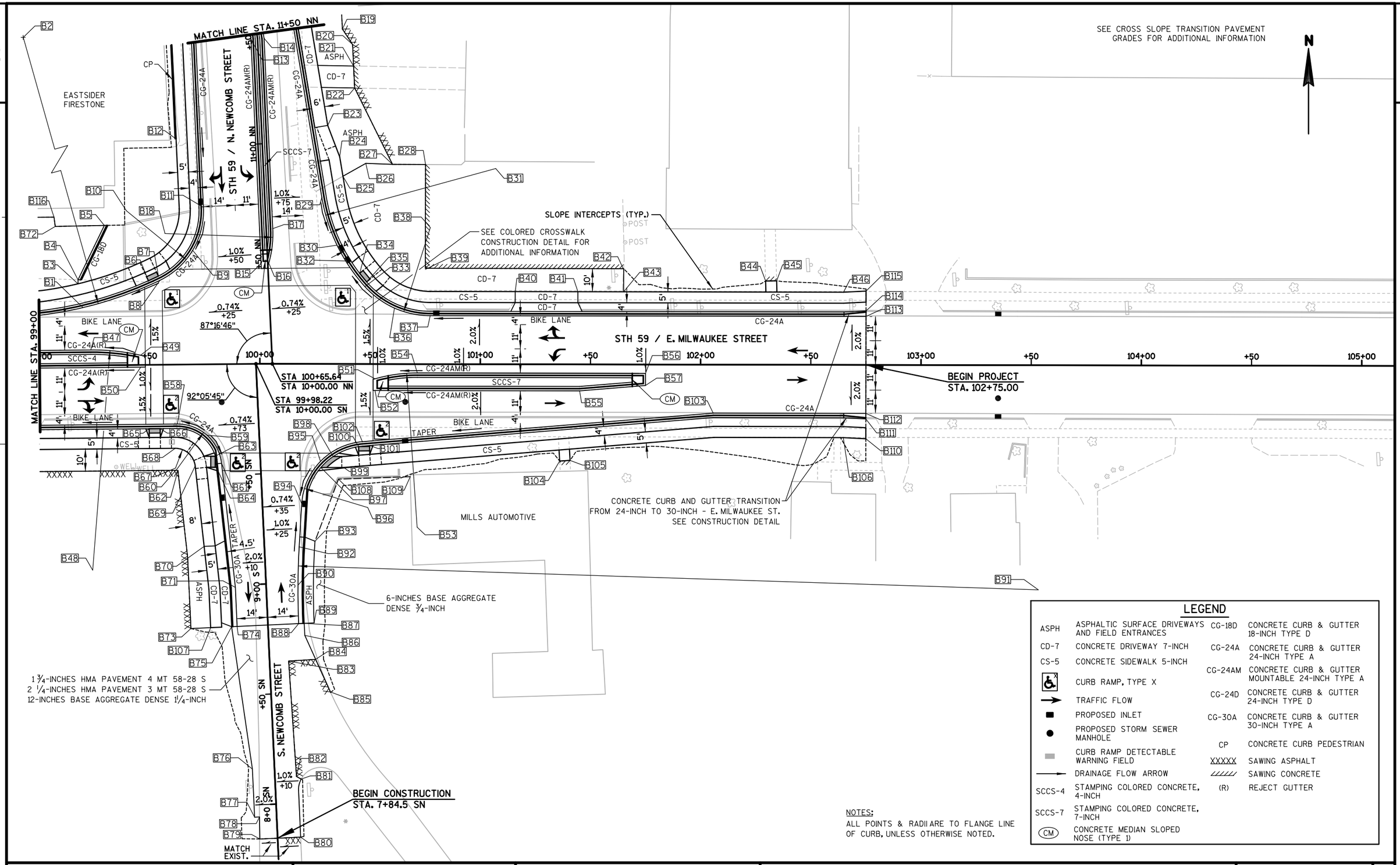
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-24A	CONCRETE CURB & GUTTER 24-INCH TYPE A
CS-5	CONCRETE SIDEWALK 5-INCH	CG-24AM	CONCRETE CURB & GUTTER MOUNTABLE 24-INCH TYPE A
	CURB RAMP, TYPE X	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D
	TRAFFIC FLOW	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
	PROPOSED INLET	CP	CONCRETE CURB PEDESTRIAN
	PROPOSED STORM SEWER MANHOLE	XXXXX	SAWING ASPHALT
	CURB RAMP DETECTABLE WARNING FIELD	//////	SAWING CONCRETE
	DRAINAGE FLOW ARROW	(R)	REJECT GUTTER
SCCS-4	STAMPING COLORED CONCRETE, 4-INCH		
SCCS-7	STAMPING COLORED CONCRETE, 7-INCH		
CM	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)		

NOTES:
ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, UNLESS OTHERWISE NOTED.

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	PLAN DETAILS	SHEET 18 E

PLAN DETAILS

POINT NO.	E. MILWAUKEE STREET		ESTERLY STREET (E)		ELEV.	Y	X	REMARKS
	STATION	OFFSET	STATION	OFFSET				
A1	95+25.00	22.00'LT	---	---	---	423,995.03	715,251.10	MATCH EXIST.
A2	95+35.00	33.00'LT	---	---	---	424,005.56	715,261.59	MATCH EXIST.
A3	95+40.55	24.00'LT	---	---	---	423,996.32	715,266.73	BOC; CURB RAMP OPENING
A4	95+45.55	24.00'LT	---	---	---	423,996.09	715,271.72	BOC; CURB RAMP OPENING
A5	95+88.04	33.00'LT	---	---	828.85	424,003.14	715,314.57	BOS; DRIVEWAY OPENING
A6	95+88.05	43.00'LT	---	---	---	424,013.13	715,315.04	SAWCUT; MATCH EXIST.
A7	96+32.00	33.00'LT	---	---	829.14	424,001.14	715,358.49	BOS; DRIVEWAY OPENING
A8	97+40.00	33.00'LT	---	---	829.73	423,996.21	715,466.38	BOS; DRIVEWAY OPENING
A9	97+85.00	33.00'LT	---	---	829.95	423,994.16	715,511.33	BOS; DRIVEWAY OPENING
A10	97+90.23	33.00'LT	---	---	830.25	423,993.92	715,516.55	BOS; EOP
A11	97+90.23	43.00'LT	---	---	---	424,003.91	715,517.01	SAWCUT; MATCH EXIST.
A12	98+26.26	33.00'LT	---	---	830.43	423,992.28	715,552.54	BOS; EOP
A13	98+26.26	43.00'LT	---	---	---	424,002.27	715,553.00	SAWCUT; MATCH EXIST.
A14	98+35.50	33.00'LT	---	---	830.20	423,991.86	715,561.78	BOS; DRIVEWAY OPENING
A15	98+70.50	33.00'LT	---	---	830.38	423,990.26	715,596.74	BOS; DRIVEWAY OPENING
A16	98+75.00	43.00'LT	---	---	---	424,000.05	715,601.69	SAWCUT; MATCH EXIST.
A17	98+75.00	67.39'LT	---	---	---	424,024.41	715,602.80	SAWCUT; MATCH EXIST.
A18	98+83.02	22.00'LT	---	---	830.05	423,978.70	715,608.75	BEGIN RADIUS
A19	97+90.43	5.26'LT	---	---	829.92	423,966.20	715,515.49	---
A20	97+90.43	0.78'LT	---	---	830.05	423,961.73	715,515.28	BEGIN RADIUS
A21	98+06.28	7.00'LT	---	---	829.96	423,967.22	715,531.40	---
A22	98+02.13	3.64'RT	---	---	830.04	423,956.78	715,526.77	MID RADIUS
A23	98+14.62	4.23'RT	---	---	830.09	423,955.62	715,539.22	END RADIUS; BEGIN TAPER
A24	98+10.24	35.53'LT	---	---	---	423,995.54	715,536.66	R = 40'
A25	98+44.00	1.00'RT	---	---	830.26	423,957.51	715,568.72	END TAPER
A26	95+25.00	22.00'RT	---	---	---	423,951.08	715,249.09	MATCH EXIST.
A27	95+25.00	33.14'RT	---	---	---	423,939.95	715,248.58	MATCH EXIST.
A28	95+40.55	24.50'RT	---	---	---	423,947.87	715,264.52	BOC; CURB RAMP OPENING
A29	95+45.55	24.77'RT	---	---	---	423,947.37	715,269.50	BOC; CURB RAMP OPENING
A30	95+41.07	22.00'RT	---	---	828.01	423,950.34	715,265.15	BEGIN RADIUS
A31	95+64.05	29.26'RT	9+70.74	43.11'LT	828.13	423,942.04	715,287.77	MID RADIUS (HIGH POINT)
A32	95+73.11	42.50'RT	9+57.50	34.06'LT	---	423,928.40	715,296.21	BOC; CURB RAMP OPENING
A33	95+75.65	47.50'RT	9+52.50	31.52'LT	---	423,923.29	715,298.52	BOC; CURB RAMP OPENING
A34	---	---	9+51.60	28.47'LT	827.79	423,922.25	715,301.52	END RADIUS; BEGIN RADIUS
A35	95+41.07	62.00'RT	9+39.13	66.11'LT	---	423,910.38	715,263.32	R = 40'
A36	---	---	9+33.53	19.69'LT	827.47	423,900.79	715,310.05	MID RADIUS
A37	97+19.76	2.58'LT	---	---	---	423,966.75	715,444.77	R = 150'
A38	---	---	9+26.09	28.76'LT	827.86	423,887.40	715,303.53	BOS; DRIVEWAY OPENING
A39	---	---	9+17.54	14.34'LT	827.35	423,880.89	715,321.78	END RADIUS
A40	---	---	9+08.08	26.00'LT	827.75	423,864.97	715,318.25	BOS; DRIVEWAY OPENING
A41	---	---	9+00.00	26.49'LT	827.95	423,858.06	715,322.48	BOS; MATCH EXIST.
A42	---	---	9+00.00	14.00'LT	827.30	423,865.21	715,332.72	END CONCRETE PAVEMENT
A43	---	---	8+95.00	14.00'LT	---	423,861.11	715,335.58	SAWCUT; MATCH EXIST.
A44	---	---	8+95.00	14.00'RT	---	423,877.14	715,358.54	SAWCUT; MATCH EXIST.
A45	---	---	9+26.35	32.97'LT	---	423,886.67	715,299.37	SAWCUT; MATCH EXIST.
A46	---	---	9+09.11	30.00'LT	---	423,863.52	715,314.39	SAWCUT; MATCH EXIST.
A47	---	---	9+00.00	14.00'RT	827.30	423,881.24	715,355.68	END CONCRETE PAVEMENT
A48	---	---	9+13.26	14.00'RT	827.33	423,892.03	715,348.14	BEGIN RADIUS
A49	96+23.27	49.30'RT	9+50.70	16.10'RT	828.02	423,919.32	715,346.01	MID RADIUS
A50	96+48.05	60.02'RT	9+39.98	40.89'RT	---	423,907.49	715,370.28	R = 27'
A51	96+26.99	47.50'RT	9+52.50	19.82'RT	---	423,920.95	715,349.81	BOC; CURB RAMP OPENING
A52	96+30.92	42.50'RT	9+57.50	23.76'RT	---	423,925.77	715,353.97	BOC; CURB RAMP OPENING
A53	96+45.37	33.15'RT	---	---	828.69	423,934.45	715,368.82	END RADIUS; BEGIN TAPER
A54	96+40.00	47.50'RT	---	---	828.77	423,920.36	715,362.81	BOS
A55	96+55.00	43.24'RT	---	---	829.45	423,923.93	715,377.99	BOS
A56	96+82.00	40.54'RT	---	---	829.38	423,925.39	715,405.08	BOS; DRIVEWAY OPENING
A57	96+77.15	48.27'RT	---	---	829.81	423,917.90	715,399.88	---
A58	96+77.08	51.08'RT	---	---	---	423,915.09	715,399.69	SAWCUT; MATCH EXIST.
A59	97+08.58	48.00'RT	---	---	---	423,916.73	715,431.30	SAWCUT; MATCH EXIST.
A60	97+06.87	27.00'RT	---	---	829.16	423,937.79	715,430.54	END TAPER
A61	97+17.00	38.00'RT	---	---	829.61	423,926.34	715,440.16	BOS; DRIVEWAY OPENING
A62	98+60.50	38.00'RT	---	---	830.33	423,919.79	715,583.51	BOS; DRIVEWAY OPENING
A63	98+95.50	38.00'RT	---	---	830.51	423,918.20	715,618.48	BOS; DRIVEWAY OPENING
A64	95+28.69	22.00'LT	---	---	---	423,994.86	715,254.79	MATCH EXIST.; BEGIN CURB & GUTTER



LEGEND

ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-24A	CONCRETE CURB & GUTTER 24-INCH TYPE A
CS-5	CONCRETE SIDEWALK 5-INCH	CG-24AM	CONCRETE CURB & GUTTER MOUNTABLE 24-INCH TYPE A
	CURB RAMP, TYPE X	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D
	TRAFFIC FLOW	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
	PROPOSED INLET	CP	CONCRETE CURB PEDESTRIAN
	PROPOSED STORM SEWER MANHOLE	XXXXX	SAWING ASPHALT
	CURB RAMP DETECTABLE WARNING FIELD		SAWING CONCRETE
	DRAINAGE FLOW ARROW	(R)	REJECT GUTTER
SCCS-4	STAMPING COLORED CONCRETE, 4-INCH		
SCCS-7	STAMPING COLORED CONCRETE, 7-INCH		
CM	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)		

NOTES:
ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, UNLESS OTHERWISE NOTED.

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	PLAN DETAILS	SHEET 20	E

PLAN DETAILS

POINT NO.	E. MILWAUKEE STREET STATION	E. MILWAUKEE STREET OFFSET	STH 59/N. NEWCOMB STREET (NN) STATION	STH 59/N. NEWCOMB STREET (NN) OFFSET	S. NEWCOMB STREET (SN) STATION	S. NEWCOMB STREET (SN) OFFSET	ELEV.	Y	X	REMARKS
B1	99+19.96	26.28'LT	---	---	---	---	830.24	423,981.29	715,645.84	MID RADIUS
B2	98+81.90	193.37'LT	---	---	---	---	---	424,149.95	715,615.44	R = 171.4'
B3	99+17.81	37.07'LT	---	---	---	---	830.91	423,992.17	715,644.19	BOS; EOP
B4	99+17.81	38.87'LT	---	---	---	---	---	423,993.97	715,644.27	MATCH EXIST.;BEGIN CURB AND GUTTER
B5	99+29.97	63.47'LT	---	---	---	---	831.00	424,017.99	715,657.54	END CURB AND GUTTER
B6	99+49.73	38.17'LT	10+40.25	54.48'LT	---	---	---	423,991.82	715,676.12	BOC; CURB RAMP OPENING
B7	99+54.28	40.24'LT	10+42.15	49.85'LT	---	---	---	423,993.68	715,680.76	BOC; CURB RAMP OPENING
B8	99+54.95	38.35'LT	10+40.24	49.25'LT	---	---	830.42	423,991.75	715,681.35	END RADIUS; BEGIN RADIUS
B9	99+69.93	51.81'LT	10+53.14	33.79'LT	---	---	830.53	424,004.52	715,696.92	MID RADIUS
B10	99+40.03	70.01'LT	10+72.42	63.00'LT	---	---	---	424,024.06	715,667.89	R = 35'
B11	---	---	10+72.42	28.00'LT	---	---	830.63	424,023.75	715,702.89	END RADIUS
B12	---	---	11+04.00	39.00'LT	---	---	831.48	424,055.42	715,692.17	BOS; BEGIN PEDESTRIAN CURB
B13	---	---	11+48.03	2.99'LT	---	---	831.37	424,098.86	715,728.57	---
B14	---	---	11+47.76	3.00'RT	---	---	831.25	424,098.82	715,734.57	---
B15	---	---	10+45.74	3.00'LT	---	---	830.90	423,996.83	715,727.64	---
B16	---	---	10+45.74	0.46'RT	---	---	830.86	423,996.80	715,731.11	BEGIN RADIUS
B17	---	---	10+61.30	3.00'RT	---	---	830.79	424,012.34	715,733.78	END RADIUS
B18	---	---	10+61.30	46.00'LT	---	---	---	424,012.79	715,684.79	R = 49'
B19	---	---	11+47.76	38.78'RT	---	---	---	424,101.06	715,770.28	SAWCUT; MATCH EXIST.
B20	---	---	11+43.12	43.00'RT	---	---	---	424,093.80	715,774.52	SAWCUT; MATCH EXIST.
B21	---	---	11+33.36	43.00'RT	---	---	---	424,084.04	715,774.43	SAWCUT; MATCH EXIST.
B22	---	---	11+23.37	43.00'RT	---	---	---	424,074.05	715,774.34	SAWCUT; MATCH EXIST.
B23	---	---	11+06.98	30.05'RT	---	---	830.87	424,057.78	715,761.25	BOS; DRIVEWAY OPENING
B24	---	---	10+92.44	34.82'RT	---	---	831.33	424,043.20	715,765.88	BOS
B25	---	---	10+83.61	35.88'RT	---	---	831.27	424,034.35	715,766.87	BOS
B26	---	---	10+88.97	46.54'RT	---	---	831.95	424,039.62	715,777.57	---
B27	---	---	10+87.99	58.60'RT	---	---	---	424,038.53	715,789.63	SAWCUT; MATCH EXIST.
B28	---	---	10+87.25	73.58'RT	---	---	---	424,037.65	715,804.60	SAWCUT; MATCH EXIST.
B29	---	---	10+74.43	25.90'RT	---	---	830.57	424,025.27	715,756.80	BEGIN RADIUS
B30	---	---	10+52.50	31.78'RT	---	---	830.45	424,003.28	715,762.48	MID RADIUS
B31	101+06.87	88.87'LT	10+83.96	105.33'RT	---	---	---	424,034.08	715,836.32	R = 80'
B32	100+38.85	46.75'LT	10+45.13	35.39'RT	---	---	830.41	423,995.88	715,766.03	LOW POINT
B33	100+47.61	35.13'LT	10+33.10	43.59'RT	---	---	830.74	423,983.78	715,774.11	END RADIUS; BEGIN RADIUS
B34	100+45.17	41.15'LT	10+39.23	41.44'RT	---	---	---	423,989.92	715,772.02	BOC; CURB RAMP OPENING
B35	100+48.35	37.29'LT	10+35.22	44.44'RT	---	---	---	423,985.90	715,774.98	BOC; CURB RAMP OPENING
B36	100+61.03	25.43'LT	---	---	---	---	831.11	423,973.33	715,786.97	MID RADIUS
B37	100+77.24	22.00'LT	---	---	---	---	831.48	423,968.99	715,802.96	END RADIUS
B38	100+77.24	62.00'LT	---	---	---	---	---	424,008.93	715,805.22	R = 40'
B39	100+75.00	43.00'LT	---	---	---	---	---	423,990.09	715,801.91	SAWCUT; MATCH EXIST.
B40	101+15.78	33.00'LT	---	---	---	---	832.13	423,977.80	715,842.06	BOS; DRIVEWAY OPENING
B41	101+44.22	33.00'LT	---	---	---	---	832.40	423,976.19	715,870.46	BOS; DRIVEWAY OPENING
B42	101+64.98	43.00'LT	---	---	---	---	---	423,985.00	715,891.75	SAWCUT; MATCH EXIST.
B43	101+64.98	33.00'LT	---	---	---	---	832.90	423,975.02	715,891.19	BOS
B44	102+29.42	38.00'LT	---	---	---	---	---	423,976.37	715,955.80	SAWCUT; MATCH EXIST.
B45	102+34.42	38.14'LT	---	---	---	---	---	423,976.23	715,960.80	SAWCUT; MATCH EXIST.
B46	102+64.78	33.00'LT	---	---	---	---	833.76	423,969.38	715,990.82	BOS
B47	99+23.30	7.00'LT	---	---	---	---	830.60	423,961.88	715,648.30	BEGIN RADIUS
B48	99+23.30	93.00'RT	---	---	---	---	---	423,861.99	715,643.74	R = 100'
B49	99+45.90	4.41'LT	---	---	---	---	830.81	423,958.27	715,670.75	END RADIUS
B50	99+45.90	1.00'RT	---	---	---	---	830.88	423,952.86	715,670.51	---
B51	100+52.22	6.70'RT	---	---	---	---	831.71	423,941.76	715,776.36	BEGIN RADIUS
B52	100+52.22	12.00'RT	---	---	---	---	831.56	423,936.46	715,776.06	---
B53	100+71.47	74.00'RT	---	---	---	---	---	423,873.47	715,791.77	R = 70'
B54	100+71.47	4.00'RT	---	---	---	---	831.81	423,943.36	715,795.73	END RADIUS
B55	101+45.09	12.00'RT	---	---	---	---	832.32	423,931.22	715,868.79	---
B56	101+75.01	4.00'RT	---	---	---	---	832.75	423,937.51	715,899.10	---
B57	101+75.01	9.51'RT	---	---	---	---	832.64	423,932.01	715,898.79	---
B58	99+62.25	27.00'RT	---	---	---	---	830.67	423,926.14	715,685.66	BEGIN RADIUS
B59	99+75.66	32.16'RT	---	---	9+68.69	23.72'LT	830.77	423,920.38	715,698.82	MID RADIUS (HIGH POINT)
B60	99+62.25	47.00'RT	---	---	9+54.35	37.66'LT	---	423,906.16	715,684.75	R = 20'
B61	---	---	---	---	---	---	830.66	423,907.29	715,704.72	END RADIUS; BEGIN TAPER
B62	99+62.36	48.00'RT	---	---	---	---	---	423,905.16	715,684.81	SAWCUT; MATCH EXIST.
B63	---	---	---	---	---	---	---	423,910.60	715,702.03	BOC; CURB RAMP OPENING
B64	---	---	---	---	---	---	---	423,905.58	715,702.31	BOC; CURB RAMP OPENING
B65	99+49.50	29.00'RT	---	---	---	---	---	423,924.73	715,672.83	BOC; CURB RAMP OPENING
B66	99+54.50	29.00'RT	---	---	---	---	---	423,924.50	715,677.83	BOC; CURB RAMP OPENING
B67	99+61.25	47.00'RT	---	---	---	---	---	423,906.21	715,683.75	R = 9'
B68	99+61.25	38.00'RT	---	---	---	---	---	423,915.20	715,684.16	BOS
B69	---	---	---	---	---	---	---	423,906.71	715,692.73	BOS
B70	---	---	---	---	---	---	830.94	423,870.07	715,694.80	BOS; DRIVEWAY OPENING
B71	---	---	---	---	---	---	830.95	423,850.67	715,707.91	END TAPER
B72	99+07.67	63.21'LT	---	---	---	---	---	424,018.75	715,635.25	---
B73	---	---	---	---	---	---	---	423,833.14	715,686.75	SAWCUT; MATCH EXIST.
B74	---	---	---	---	---	---	831.30	423,832.95	715,707.75	END CONCRETE PAVEMENT
B75	---	---	---	---	---	---	831.25	423,832.97	715,705.25	EOP; END CURB AND GUTTER
B76	---	---	---	---	---	---	833.05	423,767.92	715,711.16	---
B77	---	---	---	---	---	---	833.42	423,746.07	715,710.96	---
B78	---	---	---	---	---	---	833.46	423,746.05	715,713.15	---
B79	---	---	---	---	---	---	---	423,736.05	715,712.78	SAWCUT; MATCH EXIST.
B80	---	---	---	---	---	---	---	423,735.88	715,731.29	SAWCUT; MATCH EXIST.
B81	---	---	---	---	---	---	---	423,762.15	715,732.95	SAWCUT; MATCH EXIST.
B82	---	---	---	---	---	---	---	423,763.53	715,730.93	SAWCUT; MATCH EXIST.
B83	---	---	---	---	---	---	---	423,815.94	715,730.25	SAWCUT; MATCH EXIST.
B84	---	---	---	---	---	---	---	423,816.10	715,742.52	SAWCUT; MATCH EXIST.
B85	---	---	---	---	---	---	---	423,800.96	715,748.39	SAWCUT; MATCH EXIST.
B86	---	---	---	---	---	---	831.87	423,827.24	715,738.20	---
B87	---	---	---	---	---	---	831.74	423,832.67	715,738.24	EOP; END CURB AND GUTTER
B88	---	---	---	---	---	---	831.72	423,832.70	715,735.74	END CONCRETE PAVEMENT; BEGIN RADIUS
B89	---	---	---	---	---	---	831.90	423,832.63	715,742.74	BACK OF DRIVEWAY APRON
B90	---	---	---	---	---	---	831.37	423,850.12	715,736.35	MID RADIUS
B91	---	---	---	---	---	---	---	423,829.66	716,071.73	R = 336'
B92	---	---	---	---	---	---	831.15	423,867.49	715,737.87	END RADIUS
B93	---	---	---	---	---	---	831.30	423,869.61	715,745.17	BACK OF DRIVEWAY APRON
B94	---	---	---	---	---	---	830.99	423,886.95	715,740.07	BEGIN RADIUS
B95	100+27.54	44.23'RT	---	---	---	---	831.08	423,905.68	715,749.60	MID RADIUS
B96	100+49.04	65.16'RT	---	---	---	---	---	423,883.57	715,769.88	R = 30'
B97	100+27.72	47.00'RT	---	---	---	---	---	423,902.90	715,749.63	BOC; CURB RAMP OPENING
B98	100+33.30	42.00'RT	---	---	---	---	---	423,907.58	715,755.47	BOC; CURB RAMP OPENING
B99	100+38.12	47.00'RT	---	---	---	---	---	423,902.31	715,760.01	BOS
B100	100+44.89	37.47'RT	---	---	---	---	---	423,911.45	715,767.30	BOC; CURB RAMP OPENING
B101	100+49.89	36.99'RT	---	---	---	---	---	423,911.64	715,772.32	BOC; CURB RAMP OPENING
B102	100+46.55	35.26'RT	---	---	---	---	831.17	423,913.56	715,769.08	END RADIUS; BEGIN TAPER
B103	102+05.75	22.00'RT	---	---	---	---	832.67	423,917.81	715,928.78	END TAPER
B104	101+36.10	43.86'RT	---	---	---	---	---	423,899.92	715,858.01	SAWCUT; MATCH EXIST.
B105	101+40.80	43.59'RT	---	---	---	---	---	423,899.92	715,862.71	SAWCUT; MATCH EXIST.
B106	102+64.78	33.00'RT	---	---	---	---	834.16	423,903.49	715,987.09	BOS
B107	---	---	---	---	8+81.34	26.00'LT	831.93	423,833.06	715,695.75	BOS
B108	100+35.74	52.30'RT	---	---	9+46.00	35.00'RT	831.83	423,897.16	715,757.33	EDGE OF BASE AGGREGATE DENSE
B109	100+68.30	51.10'RT	---	---	---	---	---	423,896.52	715,789.91	MATCH EXIST.
B110	102+75.00	33.51'RT	---	---	---	---	833.77	423,902.40	715,997.27	BOS; MATCH SIDEWALK
B111	102+75.00	24.50'RT	---	---	---	---	833.54	423,911.40	715,997.78	BOC; MATCH CURB AND GUTTER
B112	102+75.00	22.00'RT	---	---	---	---	833.16	423,913.89	715,997.92	---
B113	102+75.00	22.00'LT	---	---	---	---	833.15	423,957.82	716,000.40	---
B114	102+75.00	24.50'LT	---	---	---	---	833.53	423,960.32	716,000.55	BOC; MATCH CURB AND GUTTER
B115	102+75.00	33.51'LT	---	---	---	---	833.76	423,969.32	716,001.05	BOS; MATCH SIDEWALK
B116	99+07.19	67.46'LT	---	---	---	---	---	424,023.02	715,634.96	---

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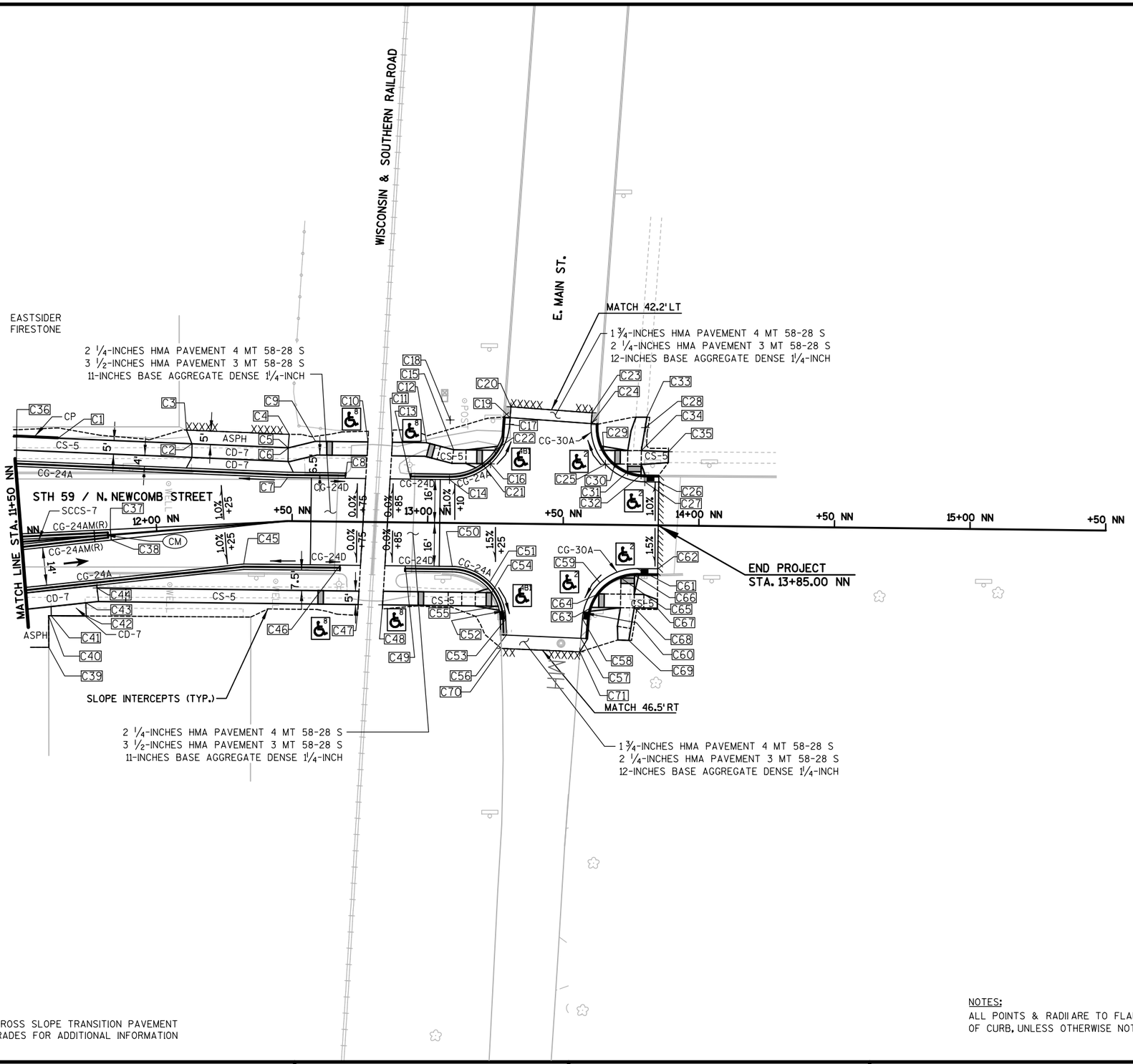


SEE CROSS SLOPE TRANSITION PAVEMENT GRADES FOR ADDITIONAL INFORMATION

NOTES:
ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, UNLESS OTHERWISE NOTED.

LEGEND

ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-24A	CONCRETE CURB & GUTTER 24-INCH TYPE A
CS-5	CONCRETE SIDEWALK 5-INCH	CG-24AM	CONCRETE CURB & GUTTER MOUNTABLE 24-INCH TYPE A
	CURB RAMP, TYPE X	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D
	TRAFFIC FLOW	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
	PROPOSED INLET	CP	CONCRETE CURB PEDESTRIAN
	PROPOSED STORM SEWER MANHOLE	XXXXX	SAWING ASPHALT
	CURB RAMP DETECTABLE WARNING FIELD	//////	SAWING CONCRETE
	DRAINAGE FLOW ARROW	(R)	REJECT GUTTER
SCCS-4	STAMPING COLORED CONCRETE, 4-INCH		
SCCS-7	STAMPING COLORED CONCRETE, 7-INCH		
CM	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)		

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	PLAN DETAILS	SHEET 22	E

PLAN DETAILS

POINT NO.	STH 59/NORTH NEWCOMB STREET (NN) STATION	OFFSET	ELEV.	Y	X	REMARKS
C1	11+66.31	37.04'LT	831.88	424,114.34	715,693.16	BOS; END CONCRETE CURB PEDESTRIAN
C2	12+15.43	31.13'LT	831.69	424,163.77	715,695.09	BOS; DRIVEWAY OPENING
C3	12+13.79	36.36'LT	---	424,161.71	715,690.00	SAWCUT; MATCH EXISTING
C4	12+48.59	31.99'LT	---	424,199.62	715,691.48	SAWCUT; MATCH EXISTING
C5	12+48.28	27.00'LT	831.99	424,199.27	715,696.47	BOS; DRIVEWAY OPENING
C6	12+48.44	27.00'LT	832.00	424,199.42	715,696.48	BOS
C7	12+48.18	16.00'LT	831.84	424,199.05	715,707.47	---
C8	12+69.47	16.00'LT	831.95	424,220.36	715,707.66	END CURB AND GUTTER
C9	12+58.28	29.50'LT	832.56	424,209.29	715,694.06	BOS
C10	12+77.64	29.50'LT	---	424,228.64	715,694.24	BOS; MATCH RR CROSSING
C11	12+86.65	29.50'LT	---	424,237.66	715,694.32	BOS; MATCH RR CROSSING
C12	12+99.27	29.50'LT	832.41	424,250.28	715,694.43	BOS
C13	12+93.50	16.00'LT	831.83	424,244.39	715,707.88	BEGIN CURB AND GUTTER
C14	13+07.86	16.00'LT	831.70	424,258.74	715,708.01	BEGIN RADIUS
C15	13+09.27	27.00'LT	---	424,260.25	715,697.02	BOS
C16	13+22.93	21.97'LT	831.55	424,273.86	715,702.18	MID RADIUS
C17	13+29.82	36.64'LT	831.39	424,280.89	715,687.57	END RADIUS
C18	13+07.86	38.00'LT	---	424,258.94	715,686.01	R = 22'
C19	13+29.97	39.10'LT	---	424,281.06	715,685.11	END CONCRETE PAVEMENT; MATCH EXIST.
C20	13+30.22	43.09'LT	---	424,281.35	715,681.12	END HMA PAVEMENT; MATCH EXIST.
C21	13+19.86	22.00'LT	---	424,270.80	715,702.12	BOC; CURB RAMP OPENING
C22	13+24.56	27.00'LT	---	424,275.55	715,697.16	BOC; CURB RAMP OPENING
C23	13+60.16	41.23'LT	---	424,311.27	715,683.25	END HMA PAVEMENT; MATCH EXIST.
C24	13+59.91	37.24'LT	831.35	424,310.99	715,687.24	END CONCRETE PAVEMENT; END RADIUS; MATCH EXIST.
C25	13+65.30	22.30'LT	831.68	424,316.24	715,702.23	MID RADIUS
C26	13+85.02	16.00'LT	---	424,335.90	715,708.71	SAWCUT; MATCH EXISTING
C27	13+79.87	16.00'LT	832.01	424,330.76	715,708.66	END RADIUS
C28	13+79.87	36.00'LT	---	424,330.94	715,688.66	R = 20'
C29	13+64.58	27.50'LT	---	424,315.56	715,697.02	BOC; CURB RAMP OPENING
C30	13+68.74	22.50'LT	---	424,319.68	715,702.06	BOC; CURB RAMP OPENING
C31	13+73.49	19.71'LT	---	424,324.41	715,704.90	BOC; CURB RAMP OPENING
C32	13+78.49	18.55'LT	---	424,329.39	715,706.09	BOC; CURB RAMP OPENING
C33	13+80.41	39.83'LT	---	424,331.50	715,684.83	BOS; MATCH EXISTING
C34	13+78.49	27.50'LT	---	424,329.48	715,697.15	BOS
C35	13+88.49	27.22'LT	---	424,339.47	715,697.52	BOS; MATCH EXISTING
C36	11+50.27	27.89'LT	831.12	424,099.08	715,703.57	---

POINT NO.	STH 59/NORTH NEWCOMB STREET (NN) STATION	OFFSET	ELEV.	Y	X	REMARKS
C37	11+82.96	1.95'LT	831.57	424,133.76	715,726.79	---
C38	11+82.96	1.94'RT	831.49	424,134.07	715,730.66	---
C39	11+56.94	39.59'RT	---	424,111.17	715,770.28	MATCH EXISTING
C40	11+57.84	27.95'RT	---	424,111.13	715,758.61	MATCH EXISTING
C41	11+58.74	28.03'RT	---	424,112.03	715,758.62	MATCH EXISTING
C42	11+71.59	29.13'RT	---	424,124.93	715,758.68	MATCH EXISTING
C43	11+71.90	24.28'RT	831.36	424,124.85	715,753.82	BOS
C44	11+76.42	19.15'RT	831.32	424,128.94	715,748.34	---
C45	12+30.98	14.52'RT	831.69	424,182.95	715,739.33	---
C46	12+67.92	16.00'RT	831.95	424,218.52	715,739.65	END CURB AND GUTTER
C47	12+74.74	30.50'RT	---	424,225.20	715,754.21	BOS; MATCH RR CROSSING
C48	12+83.75	30.50'RT	---	424,234.21	715,754.29	BOS; MATCH RR CROSSING
C49	12+91.95	16.00'RT	831.85	424,242.54	715,739.87	BEGIN CURB AND GUTTER
C50	13+09.27	16.00'RT	831.70	424,259.86	715,740.02	BEGIN RADIUS
C51	13+23.16	21.61'RT	831.62	424,273.70	715,745.75	MID RADIUS
C52	13+09.27	36.00'RT	---	424,259.68	715,760.02	R = 20'
C53	13+29.26	35.28'RT	831.55	424,279.68	715,759.48	END RADIUS
C54	13+23.89	25.50'RT	---	424,274.40	715,749.65	BOC; CURB RAMP OPENING
C55	13+26.41	30.50'RT	---	424,276.87	715,754.68	BOC; CURB RAMP OPENING
C56	13+29.47	41.10'RT	---	424,279.83	715,765.30	SAWCUT; MATCH EXISTING
C57	13+57.00	41.96'RT	---	424,307.36	715,766.42	SAWCUT; MATCH EXISTING
C58	13+57.48	34.69'RT	831.51	424,307.90	715,759.15	BEGIN RADIUS
C59	13+63.76	21.40'RT	831.72	424,314.31	715,745.92	MID RADIUS
C60	13+77.44	36.00'RT	---	424,327.85	715,760.64	R = 20'
C61	13+77.44	16.00'RT	831.92	424,328.03	715,740.64	END RADIUS
C62	13+85.02	16.00'RT	---	424,335.61	715,740.71	SAWCUT; MATCH EXISTING
C63	13+60.82	30.50'RT	---	424,311.28	715,754.99	BOC; CURB RAMP OPENING
C64	13+63.44	25.50'RT	---	424,313.94	715,750.01	BOC; CURB RAMP OPENING
C65	13+71.49	19.54'RT	---	424,322.05	715,744.13	BOC; CURB RAMP OPENING
C66	13+76.49	18.53'RT	---	424,327.06	715,743.16	BOC; CURB RAMP OPENING
C67	13+85.02	30.50'RT	---	424,335.48	715,755.21	BOS; MATCH EXISTING
C68	13+76.55	30.50'RT	---	424,327.01	715,755.13	BOS
C69	13+74.68	42.52'RT	---	424,325.03	715,767.13	BOS; MATCH EXISTING
C70	13+27.73	46.05'RT	---	424,278.05	715,770.24	SAWCUT; MATCH EXISTING
C71	13+56.68	46.96'RT	---	424,306.99	715,771.41	SAWCUT; MATCH EXISTING

2

N

-00 +50 94+00 +50 95+00 96+00 97+00 +50 98+00 +50 99+00

E. MILWAUKEE STREET

MATCH EXIST.

MATCH EXIST.

MATCH LINE STA. 99+00

+50 E

S. ESTERLY STREET

STA. 95+50, 7'LT

CROWN LOCATION

WB PGL

STA. 95+50, 0'RT
EL. 828.45

STA. 95+50, 7'RT

STA. 96+50, 4'RT
EL. 829.27

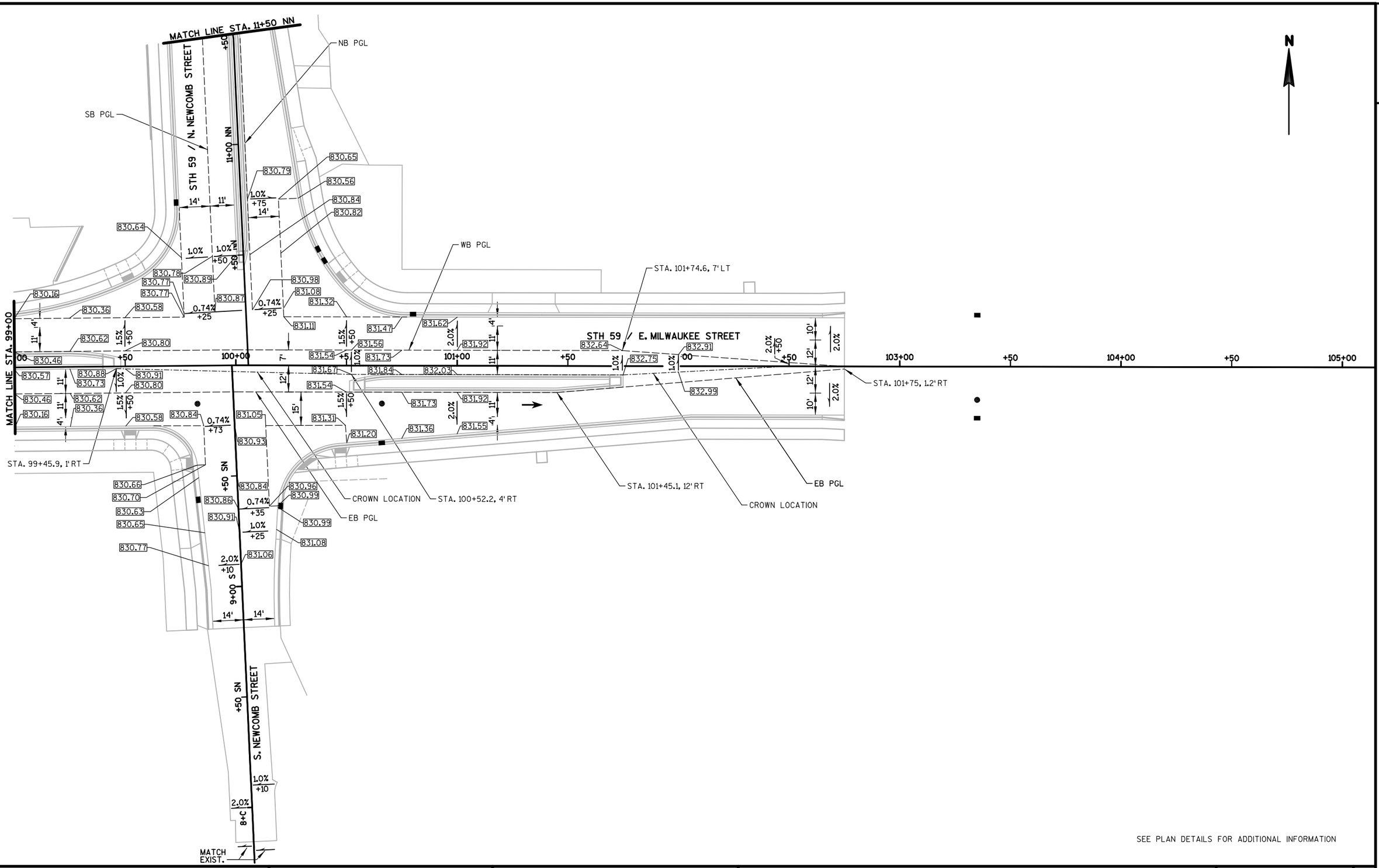
STA. 96+50, 12'RT

STA. 97+06, 4'RT
EL. 829.57

EB PGL

SEE PLAN DETAILS FOR ADDITIONAL INFORMATION

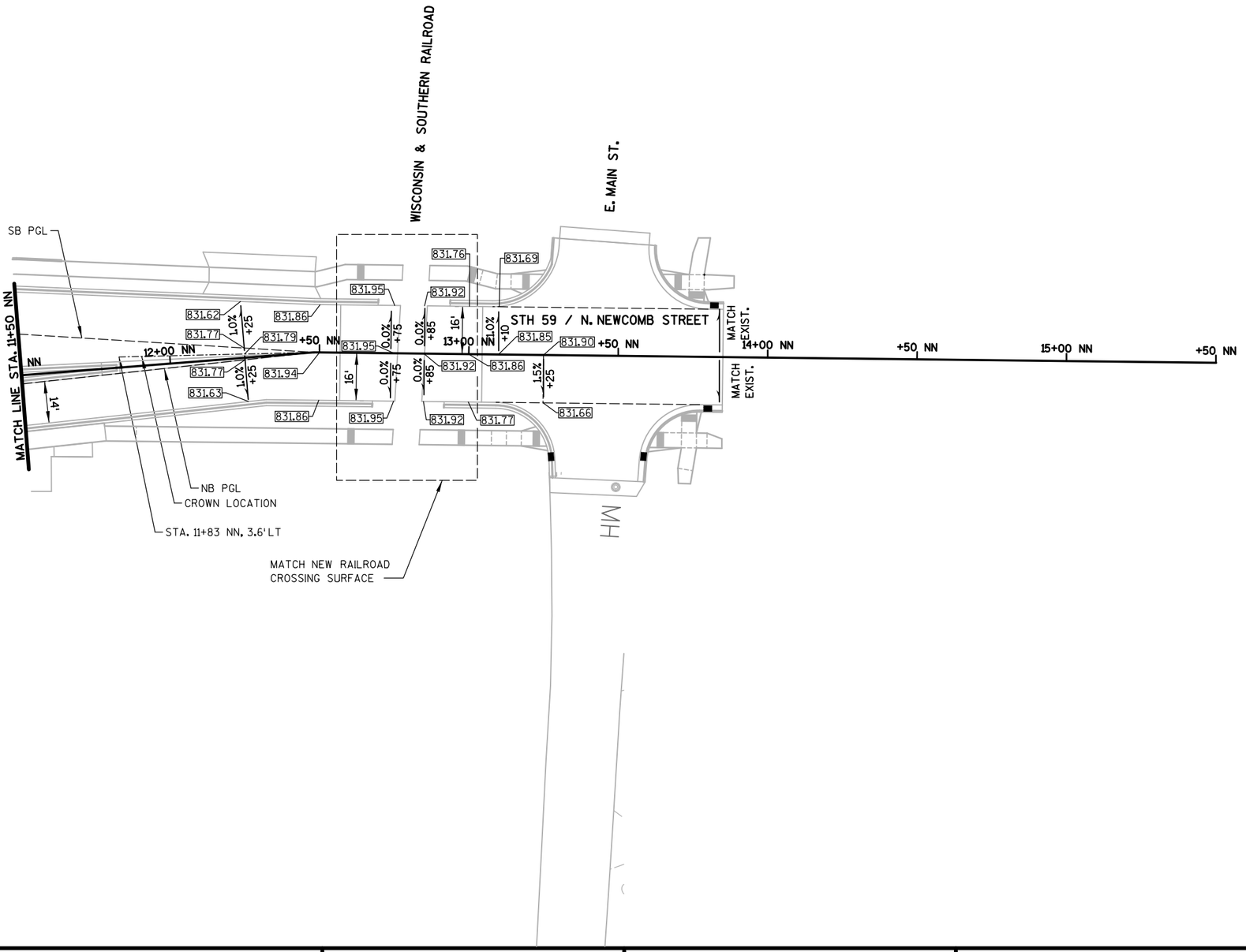
PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	CROSS SLOPE TRANSITION PAVEMENT GRADES	SHEET 24	E



PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	CROSS SLOPE TRANSITION PAVEMENT GRADES	SHEET 25	E

2

N

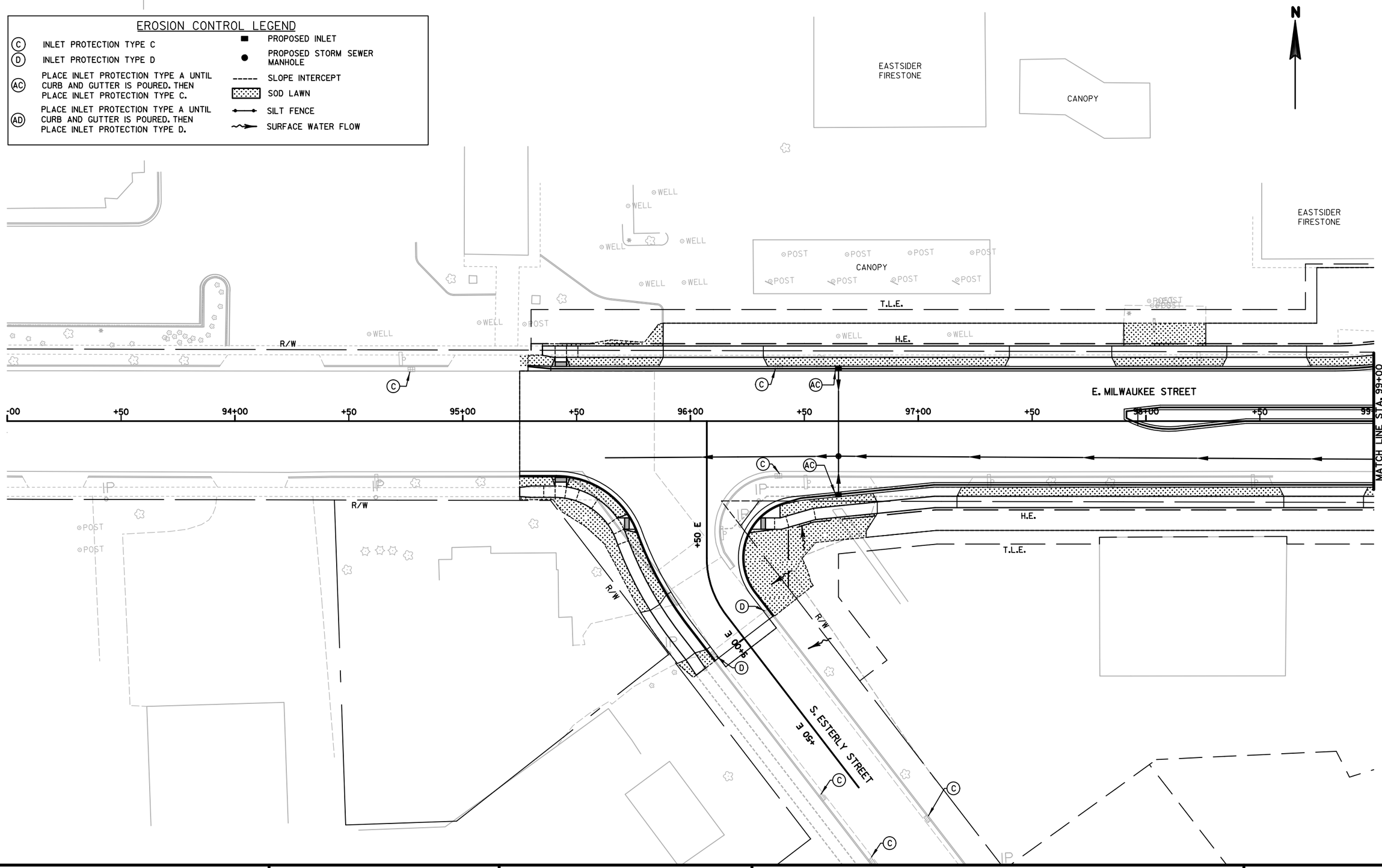


SEE PLAN DETAILS FOR ADDITIONAL INFORMATION

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	PAVEMENT GRADES - CROSS SLOPE TRANSITIONS	SHEET 26	E

EROSION CONTROL LEGEND

- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- SLOPE INTERCEPT
- SOD LAWN
- SILT FENCE
- SURFACE WATER FLOW



PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	EROSION CONTROL	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\022001_ec.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

MATCH LINE STA. 11+50 NN

EASTSIDER
FIRESTONE

STH 59 / N. NEWCOMB STREET

11+00 NN

+50 NN

T.L.E.

H.E.

AC

AD

D

C

IP

POST

POST

T.L.E.

H.E.

R/W

STH 59 / E. MILWAUKEE STREET

MATCH LINE STA. 99+00

00

+50

100+00

+50

101+00

+50

102+00

+50

103+00

+50

104+00

+50

105+00

H.E.

WELL

T.L.E.

+50 SN

R/W

9+00 SN

S. NEWCOMB STREET

+50 SN

8+00 SN

MILLS AUTOMOTIVE

T.L.E.

H.E.

R/W

R/W

N

EROSION CONTROL LEGEND

(C)	INLET PROTECTION TYPE C	■	PROPOSED INLET
(D)	INLET PROTECTION TYPE D	●	PROPOSED STORM SEWER MANHOLE
(AC)	PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.	-----	SLOPE INTERCEPT
		▨	SOD LAWN
(AD)	PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.	⟷	SILT FENCE
		~~➤	SURFACE WATER FLOW

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	EROSION CONTROL	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\022002_ec.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

EROSION CONTROL LEGEND

- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- SLOPE INTERCEPT
- SOD LAWN
- SILT FENCE
- SURFACE WATER FLOW

N

WISCONSIN & SOUTHERN RAILROAD

E. MAIN ST.

T.L.E.

H.E.

STH 59 / N. NEWCOMB STREET

MATCH LINE STA. 11+50 NN

12+00 NN

+50 NN

13+00 NN

+50 NN

14+00 NN

+50 NN

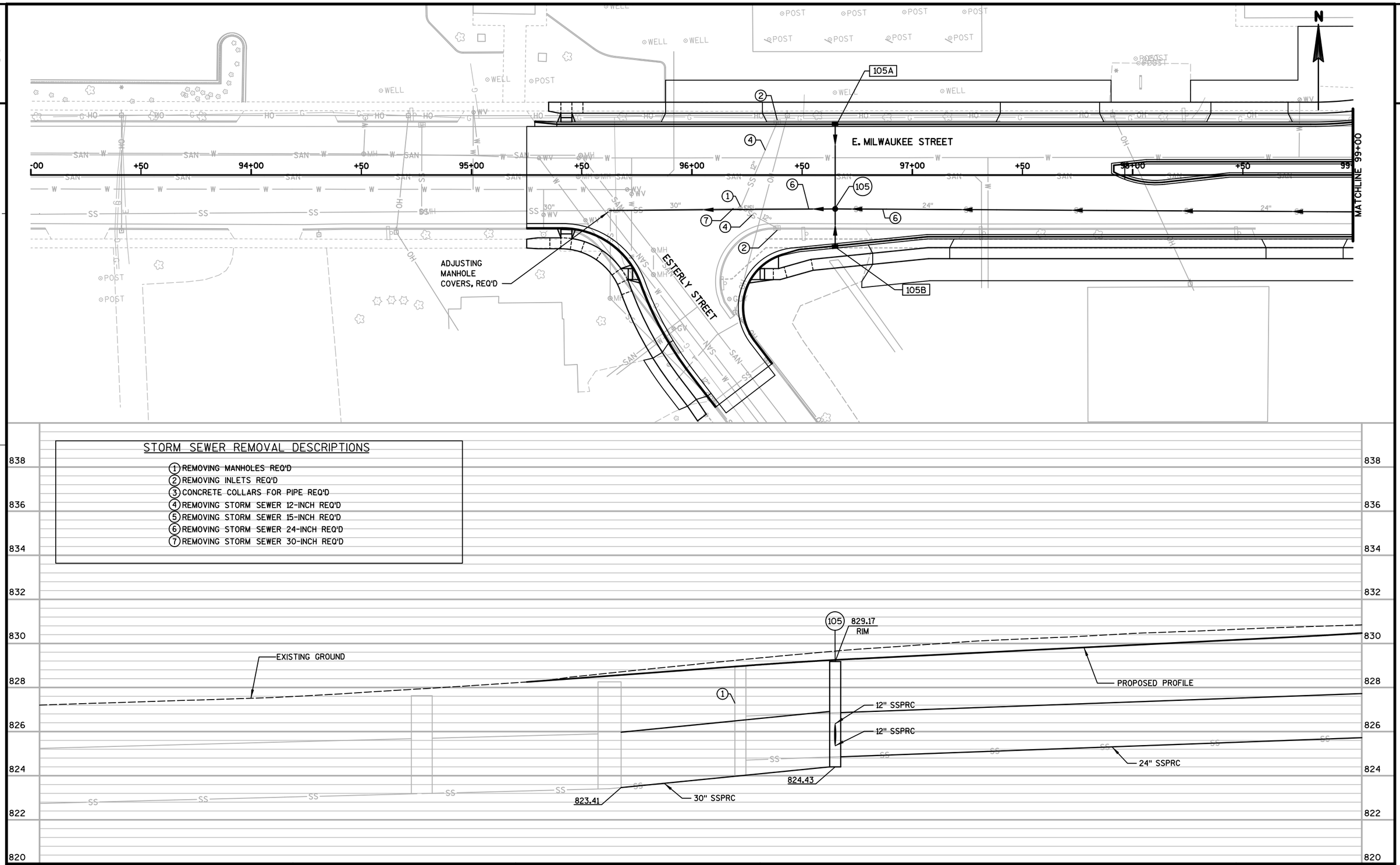
15+00 NN

+50 NN

R/W

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	EROSION CONTROL	SHEET	E

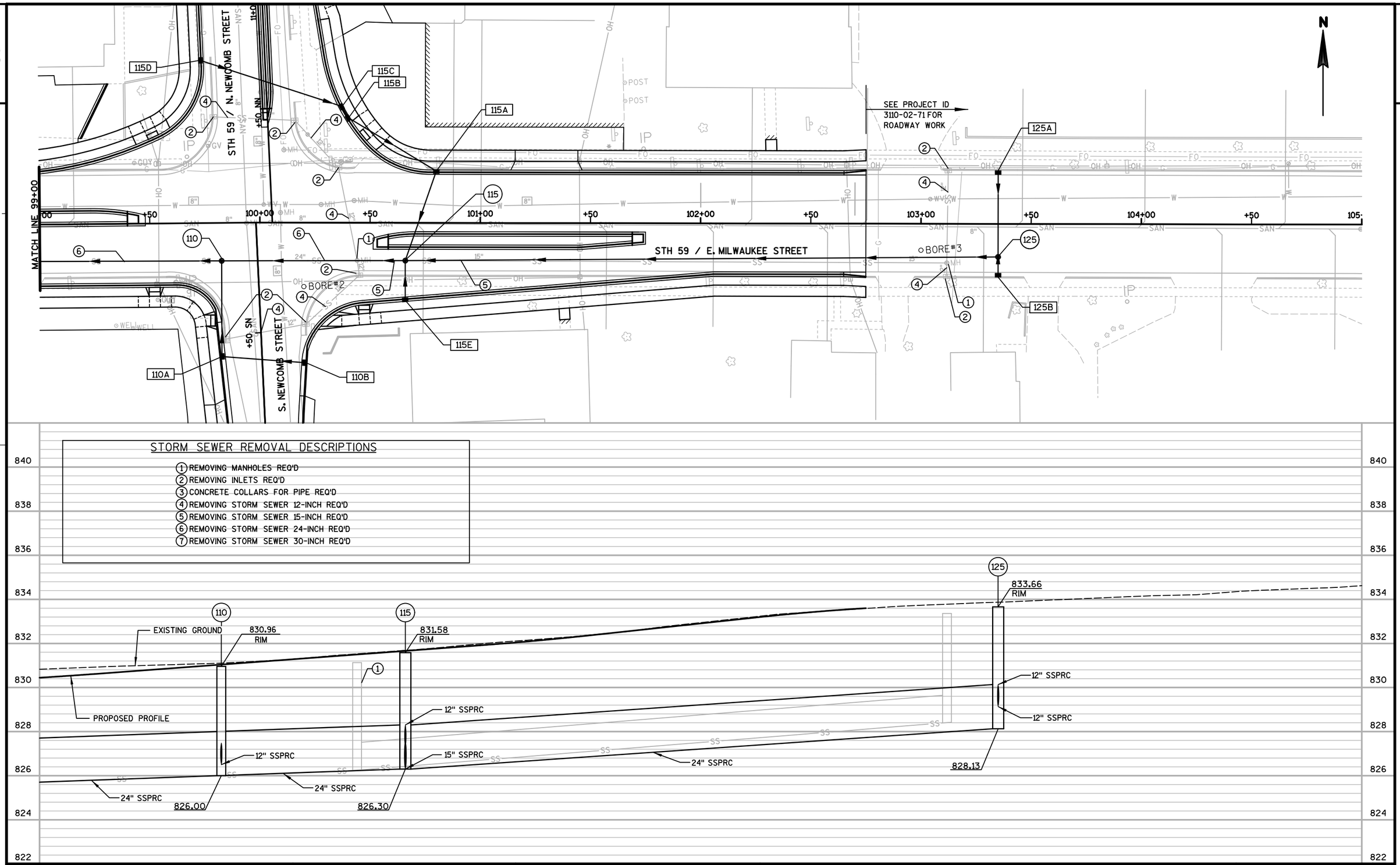
FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\022003_ec.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



STORM SEWER REMOVAL DESCRIPTIONS

1. REMOVING MANHOLES REQ'D
2. REMOVING INLETS REQ'D
3. CONCRETE COLLARS FOR PIPE REQ'D
4. REMOVING STORM SEWER 12-INCH REQ'D
5. REMOVING STORM SEWER 15-INCH REQ'D
6. REMOVING STORM SEWER 24-INCH REQ'D
7. REMOVING STORM SEWER 30-INCH REQ'D

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	STORM SEWER	SHEET 30	E

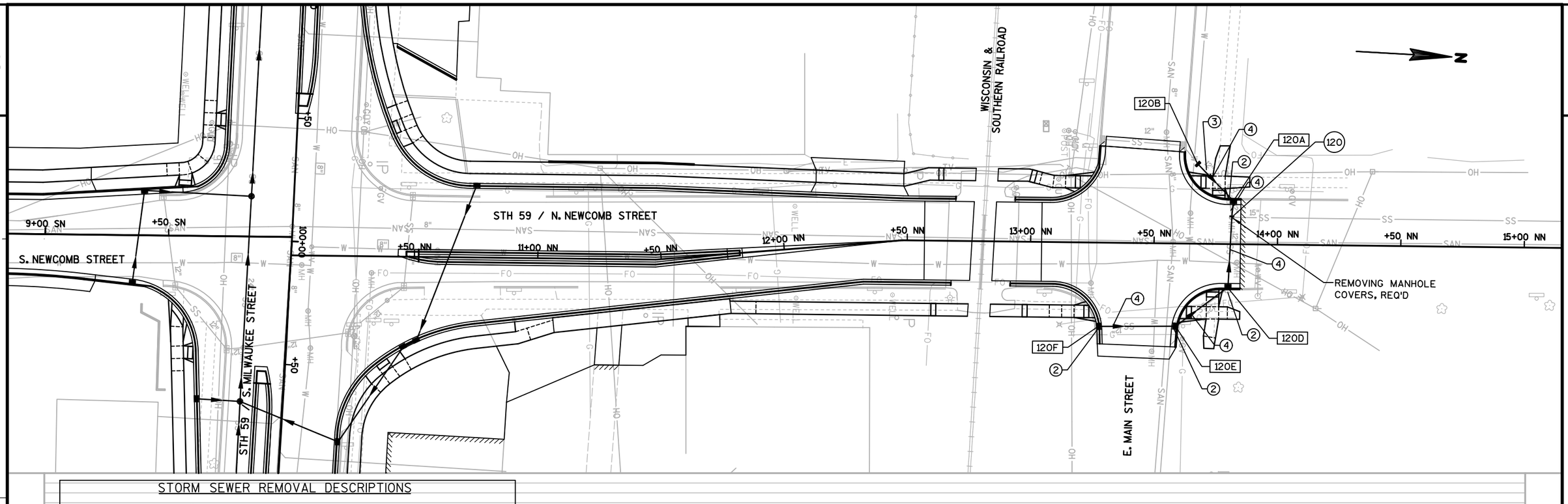


STORM SEWER REMOVAL DESCRIPTIONS

1. REMOVING MANHOLES REQ'D
2. REMOVING INLETS REQ'D
3. CONCRETE COLLARS FOR PIPE REQ'D
4. REMOVING STORM SEWER 12-INCH REQ'D
5. REMOVING STORM SEWER 15-INCH REQ'D
6. REMOVING STORM SEWER 24-INCH REQ'D
7. REMOVING STORM SEWER 30-INCH REQ'D

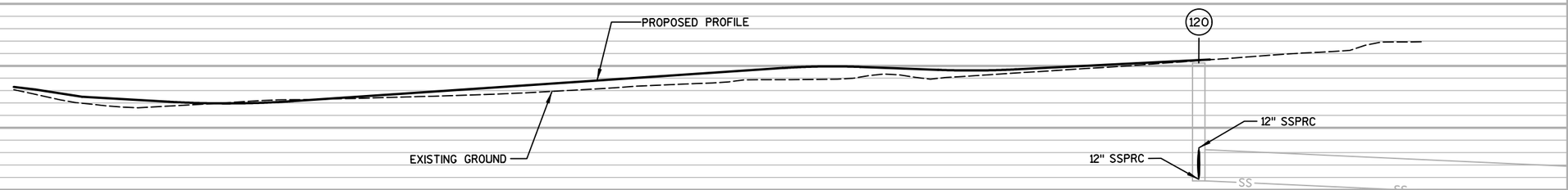
PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	STORM SEWER	SHEET E

FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\022502_ss.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



STORM SEWER REMOVAL DESCRIPTIONS

1. REMOVING MANHOLES REQ'D
2. REMOVING INLETS REQ'D
3. CONCRETE COLLARS FOR PIPE REQ'D
4. REMOVING STORM SEWER 12-INCH REQ'D
5. REMOVING STORM SEWER 15-INCH REQ'D
6. REMOVING STORM SEWER 24-INCH REQ'D
7. REMOVING STORM SEWER 30-INCH REQ'D



PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	STORM SEWER	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\022503_ss.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 41

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	CATCH BASIN TYPE & COVER		MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	INLET ELEV.	DISCHARGE ELEV.	LENGTH (FT)	SLOPE (%)	REMARKS
105	96+65.00	15.4'RT	102.4	EXIST.	--	--	5-FT	J	829.17	827.93	3.50	30	824.43	823.41	102	1.00%	CONNECT TO EXISTING MANHOLE
105A	96+65.00	23.5'LT	38.9	105	2x3-FT	H	--	--	828.75	827.92	2.18	12	825.74	825.35	39	1.00%	
105B	96+65.00	32.7'RT	17.3	105	2x3-FT	H	--	--	828.67	827.84	2.32	12	825.52	825.35	17	1.00%	
110	99+82.49	17.2'RT	317.5	105	--	--	4-FT	J	830.96	829.72	3.72	24	826.00	824.85	317	0.36%	
110A	9+40.00 SN	18.2'LT	43.4	110	2x3-FT	H-S	--	--	830.41	829.58	2.65	12	826.93	826.50	43	1.00%	
110B	9+35.48 SN	19.3'RT	37.8	110A	2x3-FT	H-S	--	--	830.79	829.96	2.65	12	827.31	826.93	38	1.00%	
115	100+66.00	17.1'RT	83.3	110	--	--	5-FT	J	831.58	830.34	4.04	24	826.30	826.00	83	0.36%	
115A	100+80.00	23.5'LT	43.0	115	2x3-FT	H	--	--	831.30	830.47	3.95	15	826.52	826.30	43	0.51%	
115B	10+45.85 NN	36.7'RT	46.6	115A	2x3-FT	H-S	--	--	830.21	829.38	2.62	15	826.76	826.52	47	0.51%	
115C	10+51.17 NN	34.0'RT	6.0	115B	2x3-FT	H-S	--	--	830.24	829.41	2.62	12	826.79	826.76	6	0.50%	
115D	10+75.00 NN	29.5'LT	67.8	115C	2x3-FT	H	--	--	830.44	829.61	2.48	12	827.13	826.79	68	0.50%	
115E	100+66.00	35.1'RT	18.0	115	2x3-FT	H	--	--	831.10	830.27	2.79	12	827.48	827.30	18	1.00%	
120	13+81.38 NN	10.8'LT	--	--	--	--	--	J	--	--	--	-	--	--	--	--	EXISTING MANHOLE
120A	13+81.99 NN	17.5'LT	6.7	120	2x3-FT	H	--	--	831.83	831.00	2.61	12	828.38	828.35	7	0.50%	
120B	13+67.62 NN	32.1'LT	20.5	120A	--	--	--	--	--	--	--	12	828.68	828.38	20	1.48%	CONCRETE COLLARS FOR PIPE REQ'D
120D	13+80.16 NN	17.5'RT	28.4	120	2x3-FT	H	--	--	831.73	830.90	2.42	12	828.48	828.34	28	0.50%	
120E	13+59.10 NN	33.6'RT	26.5	120D	2x3-FT	H-S	--	--	831.31	830.48	1.87	12	828.61	828.48	26	0.50%	
120F	13+27.66 NN	34.0'RT	31.4	120E	2x3-FT	H-S	--	--	831.35	830.52	1.75	12	828.77	828.61	31	0.52%	
125	103+35.00	15.0'RT	269.0	115	--	--	5-FT	J	833.66	832.42	4.29	24	828.13	826.30	269	0.68%	
125A	103+35.00	23.5'LT	38.5	125	2x3-FT	H	--	--	833.33	832.50	2.99	12	829.51	829.13	38	1.00%	
125B	103+35.00	23.5'RT	8.5	125	2x3-FT	H	--	--	833.33	832.50	3.27	12	829.22	829.13	9	1.00%	

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT, SIGNAL OR UTILITY POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

N

EASTSIDER FIRESTONE

CANOPY

E. MILWAUKEE STREET

91+00 92+00 93+00 94+00 95+00 96+00 97+00

SPEED LIMIT 25
REMOVE

SPEED LIMIT 25 (6)
R2-1(2S)

1 S1-1(2M)
2 AHEAD S16-9P(2M)
2A FINES HIGHER R2-6P(2M)

STREET NAME SIGN MOVED BY CITY ON SEPARATE POST

3 STOP R1-1(3)

STOP
REMOVE

4 BUSINESS EAST 12
REMOVE

5 JCT M2-1 59 M1-6 J1-1(2)

S. ESTERLY STREET

SHEET 1 OF 4

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	PERMANENT SIGNING	SHEET 34	E

FILE NAME : J:\projects\d2_31100659\sign\023201_ps.dgn PLOT DATE : 09-JAN-2018 07:53 PLOT BY : dotw3m PLOT NAME : PLOT SCALE : 39.99992:1

WISDOT/CADDS SHEET 42

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT, SIGNAL OR UTILITY POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

SEE SHEET 4 OF 4

STH 59 / N. NEWCOMB STREET

E. MILWAUKEE STREET

STH 59 / E. MILWAUKEE STREET

S. NEWCOMB STREET

97+00 98+00 99+00 100+00 101+00 102+00 103+00 9+00

RR

9 R1-1(3) STOP — ON SIGN SUPPORT UPRIGHT (S-64-607)

EXISTING WAYFINDER SIGN TO BE MOVED BY CITY
→ DOWNTOWN
→ UW WHITEWATER
→ VISITOR CENTER

11 WEST M3-4 / 59 / M1-6 / ← M6-1 / J3-1(2)

8 REMOVE: BUSINESS M4-3 / WEST M3-4 / 12 M1-4 / J4-1(2)

STREET NAME SIGN MOVED BY CITY ON SEPARATE POST
NA EET STR ME

7 SPEED LIMIT 25 R2-1 — REMOVE: SPEED LIMIT 25

10 R1-1(3) STOP — ON OVERHEAD SIGN SUPPORT (S-64-607)

28 R1-1(3) STOP — REMOVE

REMOVE EXISTING OVERHEAD SIGN SUPPORTS

REMOVE: EAST 59

12 EAST M3-2 / 59 / M1-6 / J4-1(2)

13 W10-1(2)

14 15 R1-1(3) STOP — REMOVE

16 R1-1(3) STOP — ON SIGN SUPPORT UPRIGHT (S-64-605)

17 R1-1(3) STOP — ON OVERHEAD SIGN SUPPORT (S-64-605)

18 BUSINESS M4-3 / WEST M3-4 / EAST M3-2 / 12 / 59 / M1-4 / M1-6 / ↑ M6-1 / → M6-1 / J3-2(2)

EXISTING WAYFINDER SIGN TO BE MOVED BY CITY
→ WASHINGTON SCHOOL
→ BUSINESS PARK
→ INNOVATION CENTER
↑ DOWNTOWN
→ WI NATIONAL GUARD ARMORY
→ UW WHITEWATER VISITOR CENTER

WHITEWATER BARK PARK →
EXISTING SIGN TO BE MOVED BY CITY

19 NO PARKING HERE TO CORNER — REMOVE
R7-51L(2S) MOUNT AT 45°

REMOVE

20 W3-1(2S)

21 SPEED LIMIT 25 — REMOVE

22 W3-1(2S) — REMOVE

EXISTING WAYFINDER SIGN TO BE MOVED BY CITY
← WASHINGTON SCHOOL
← BUSINESS PARK
← INNOVATION CENTER
← SOCCER COMPLEX
← PUBLIC WORKS GARAGE

23 EAST M3-2 / 59 / M1-6 / ← M6-1 — REMOVE
WEST M3-4 / 59 / M1-6 / ↑ M6-1
BUSINESS M4-3 / EAST M3-2 / 12 / M1-4 / ↑ M6-1
J3-3(2)

24 R1-1(3) STOP — ON OVERHEAD SIGN SUPPORT (S-64-606)

25 R1-1(3) STOP — ON SIGN SUPPORT UPRIGHT (S-64-606)

26 27 R1-1(3) STOP — REMOVE

29 R1-1(3) STOP — REMOVE

30 BUSINESS M4-3 / WEST M3-4 / EAST M3-2 / 59 / 12 / M1-6 / M1-4 / J4-2(2)

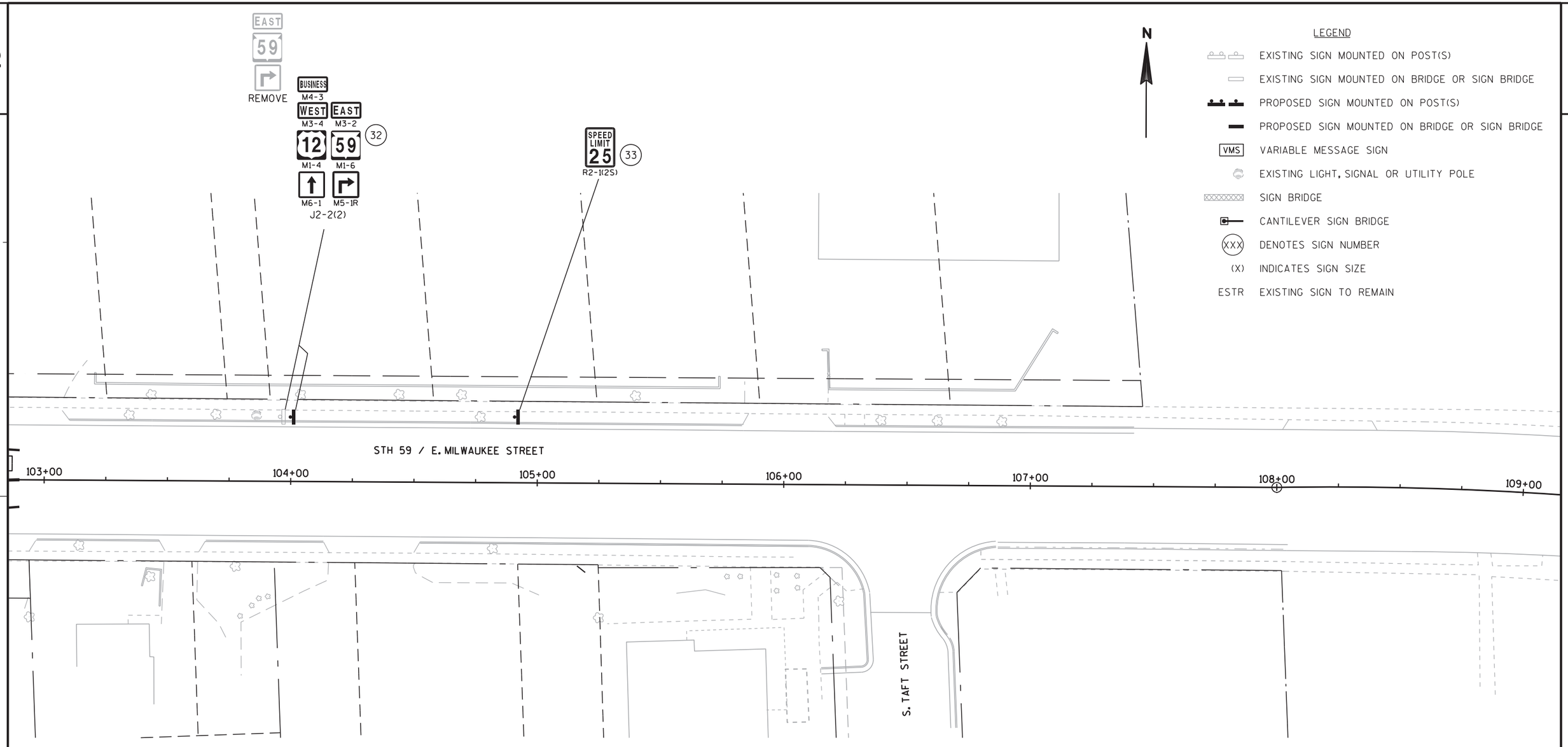
WEST 59 — REMOVE

31 R7-51R(2S) MOUNT AT 45° — NO PARKING HERE TO CORNER — REMOVE

SHEET 2 OF 4

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	PERMANENT SIGNING	SHEET 35	E

2


EAST
59
REMOVE
BUSINESS
M4-3
WEST
M3-4
EAST
M3-2
12
59
32
M1-4
M1-6
M6-1
M5-1R
J2-2(2)
SPEED LIMIT
25
33
R2-1(25)
N
LEGEND
EXISTING SIGN MOUNTED ON POST(S)
EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
PROPOSED SIGN MOUNTED ON POST(S)
PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
VMS VARIABLE MESSAGE SIGN
EXISTING LIGHT, SIGNAL OR UTILITY POLE
SIGN BRIDGE
CANTILEVER SIGN BRIDGE
XXX DENOTES SIGN NUMBER
(X) INDICATES SIGN SIZE
ESTR EXISTING SIGN TO REMAIN
STH 59 / E. MILWAUKEE STREET
103+00
104+00
105+00
106+00
107+00
108+00
109+00
S. TAFT STREET

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT, SIGNAL OR UTILITY POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

WISCONSIN & SOUTHERN RAILROAD

E. MAIN ST.

STH 59 / N. NEWCOMB STREET

12+00 13+00 14+00 15+00 16+00 17+00

RR

SEE SHEET 2 OF 4

A

A

34 BUSINESS M4-3 EAST M3-2 / BUSINESS M4-3 WEST M3-4 / 12 M1-4 / 12 M1-4 / M6-1 / M6-1 — J3-2(2)

REMOVE — W3-1(2S) — 35

REMOVE — 38 S1-1(2M) — 39 S16-7L(2M)

STOP AHEAD — ON UTILITY POLE — 36 W3-1(2S)

37 STOP R1-1(3)

STOP — REMOVE

NO TRUCK TRAFFIC ALLOWED — REMOVE — 40 R5-2(2)

41 43 S1-1(2M) — 42 44 S16-7L(2M)

REMOVE — 47 W10-1(2)

R7-53D NO PARKING THIS SIDE OF STREET — EXISTING SIGN TO BE MOVED BY CITY

R8-8(2) DO NOT STOP ON TRACKS — 49 50

48 — DO NOT STOP ON TRACKS — REMOVE

51 S1-1(2M) — 52 AHEAD S16-9P(2M)

SPEED LIMIT 25 — ESTR

NO PARKING THIS SIDE OF STREET — ESTR

REMOVE — 45

STREET NAME SIGN TO BE MOVED BY CITY ON SEPARATE POST

53 STOP R1-1(3)

STOP — REMOVE

SPEED LIMIT 25 — ESTR

DO NOT BLOCK INTERSECTION — R10-7(2) — 46

NO PARKING THIS SIDE OF STREET — ESTR

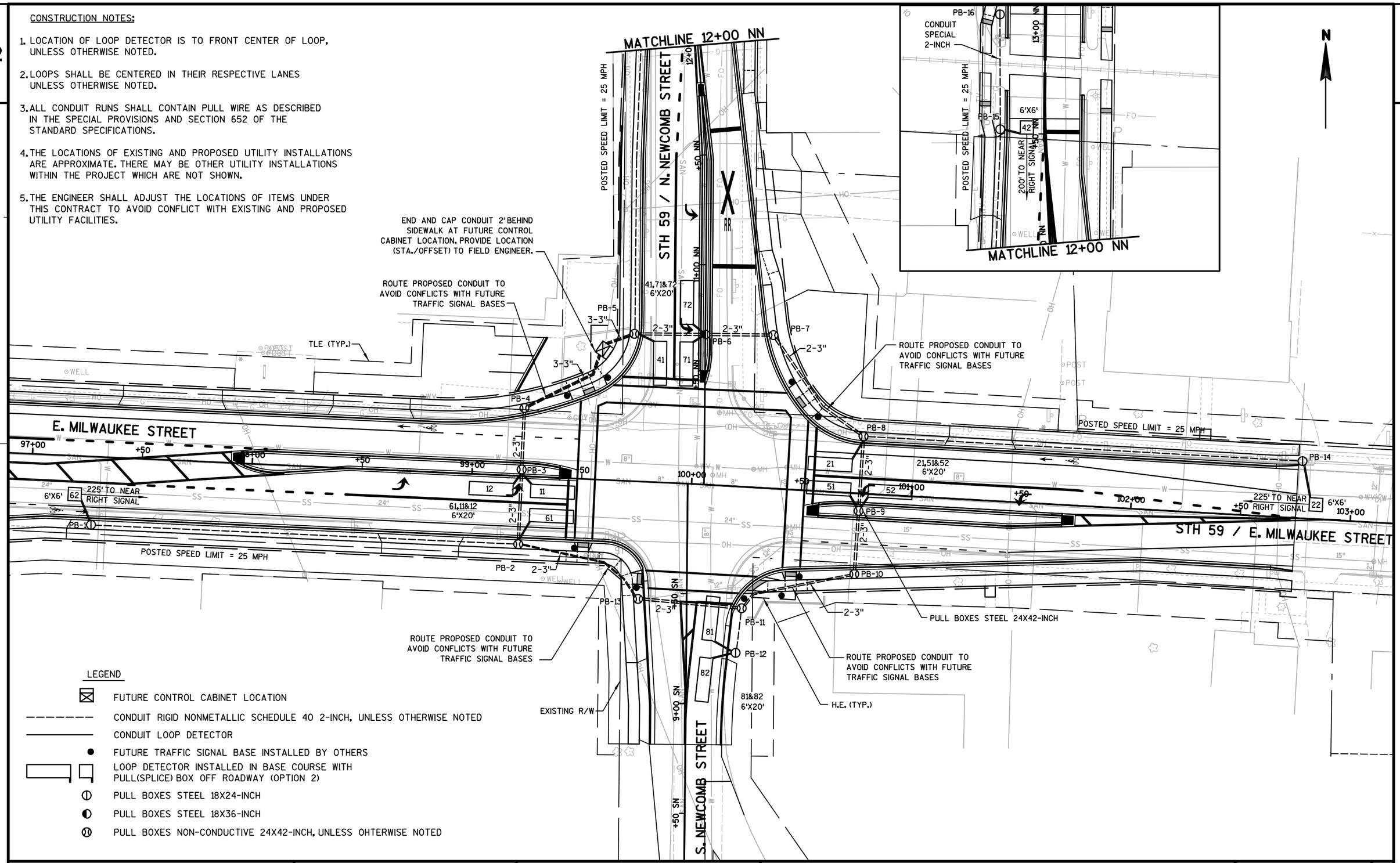
SHEET 4 OF 4

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	PERMANENT SIGNING	SHEET 37	E

FILE NAME : J:\projects\d2_31100659\sign\023204_ps.dgn PLOT DATE : 09-JAN-2018 07:53 PLOT BY : dotw3m PLOT NAME : PLOT SCALE : 39.99992:1

CONSTRUCTION NOTES:

1. LOCATION OF LOOP DETECTOR IS TO FRONT CENTER OF LOOP, UNLESS OTHERWISE NOTED.
2. LOOPS SHALL BE CENTERED IN THEIR RESPECTIVE LANES UNLESS OTHERWISE NOTED.
3. ALL CONDUIT RUNS SHALL CONTAIN PULL WIRE AS DESCRIBED IN THE SPECIAL PROVISIONS AND SECTION 652 OF THE STANDARD SPECIFICATIONS.
4. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. THE ENGINEER SHALL ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING AND PROPOSED UTILITY FACILITIES.



LEGEND

- FUTURE CONTROL CABINET LOCATION
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED
- CONDUIT LOOP DETECTOR
- FUTURE TRAFFIC SIGNAL BASE INSTALLED BY OTHERS
- LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL(SPLICE) BOX OFF ROADWAY (OPTION 2)
- PULL BOXES STEEL 18X24-INCH
- PULL BOXES STEEL 18X36-INCH
- PULL BOXES NON-CONDUCTIVE 24X42-INCH, UNLESS OHTERWISE NOTED

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	TRAFFIC SIGNAL CONDUIT AND PULL BOXES	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\024001_sp.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

① MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
② MARKING LINE EPOXY 4-INCH, YELLOW
③ MARKING LINE EPOXY 4-INCH, WHITE
④ MARKING LINE EPOXY 4-INCH, WHITE SKIP, 3' SEG., 9' GAP
⑤ MARKING LINE EPOXY 8-INCH, WHITE
⑥ MARKING LINE EPOXY 8-INCH, WHITE SKIP, 3' SEG., 9' GAP
⑦ MARKING RAILROAD CROSSING EPOXY
⑧ MARKING ARROW EPOXY, TYPE 2
⑨ MARKING ARROW EPOXY, BIKE LANE
⑩ MARKING CURB EPOXY
⑪ MARKING STOP LINE EPOXY 18-INCH
⑫ MARKING SYMBOL EPOXY, BIKE LANE
⑬ MARKING ISLAND NOSE EPOXY
⑭ MARKING PARKING STALL PAINT, YELLOW (4-INCH)
⑮ MARKING DIAGONAL EPOXY 12-INCH, YELLOW
⑯ MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

N

EASTSIDER FIRESTONE

CANOPY

EASTSIDER FIRESTONE

CANOPY

WELL
POST

MARKING REMOVAL LINE 4-INCH REQ'D

STA. 94+50

94+00 +50 95+00 +50 96+00 +50 97+00 +50 98+00 +50

*STA. 96+86.3 LT

STA. 96+56.3, 7' LT

STA. 97+06.3, 3.7' LT

E. MILWAUKEE STREET

*STA. 98+83.0 LT

*STA. 98+71.0 LT

STA. 98+83.0, 18' LT

STA. 98+64.0 RT *

STA. 96+56.3, 4' RT

STA. 96+56.3, 12' RT

STA. 96+45, 23' RT

(TYP.)

25' (TYP.)

STA. 97+44.0, 12' RT

STA. 98+44.0, 12' RT

MATCH LINE STA. 99+00

STA. 97+21.0 RT *

STA. 97+09.0 RT *

STA. 97+09.0, 23' RT

+50 E

14'

E 00+6

E 09+

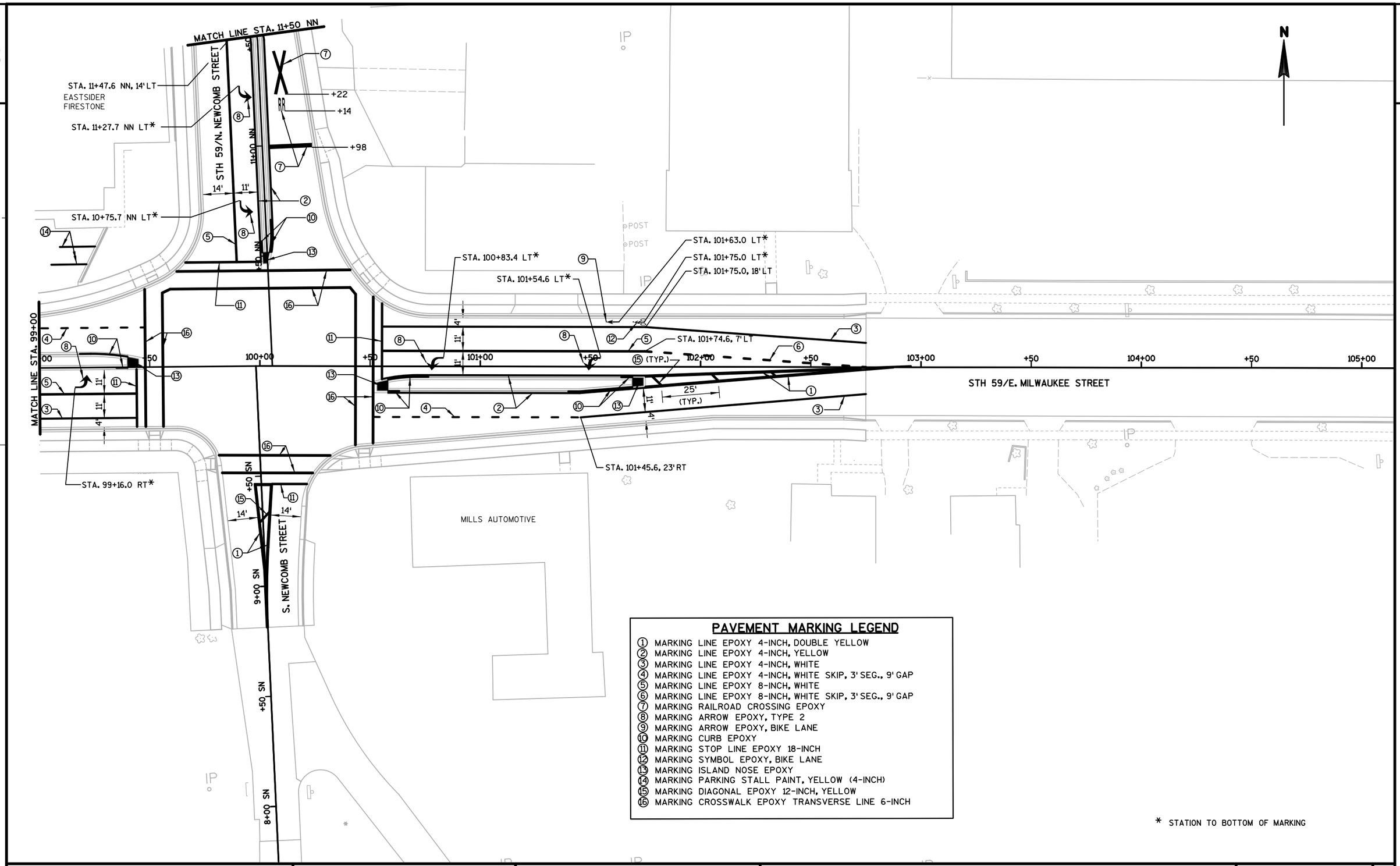
S. ESTERLY STREET

FRAWLEY OIL

* STATION TO BOTTOM OF MARKING

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	PAVEMENT MARKING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\024501_pm.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
2. MARKING LINE EPOXY 4-INCH, YELLOW
3. MARKING LINE EPOXY 4-INCH, WHITE
4. MARKING LINE EPOXY 4-INCH, WHITE SKIP, 3' SEG., 9' GAP
5. MARKING LINE EPOXY 8-INCH, WHITE
6. MARKING LINE EPOXY 8-INCH, WHITE SKIP, 3' SEG., 9' GAP
7. MARKING RAILROAD CROSSING EPOXY
8. MARKING ARROW EPOXY, TYPE 2
9. MARKING ARROW EPOXY, BIKE LANE
10. MARKING CURB EPOXY
11. MARKING STOP LINE EPOXY 18-INCH
12. MARKING SYMBOL EPOXY, BIKE LANE
13. MARKING ISLAND NOSE EPOXY
14. MARKING PARKING STALL PAINT, YELLOW (4-INCH)
15. MARKING DIAGONAL EPOXY 12-INCH, YELLOW
16. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

* STATION TO BOTTOM OF MARKING

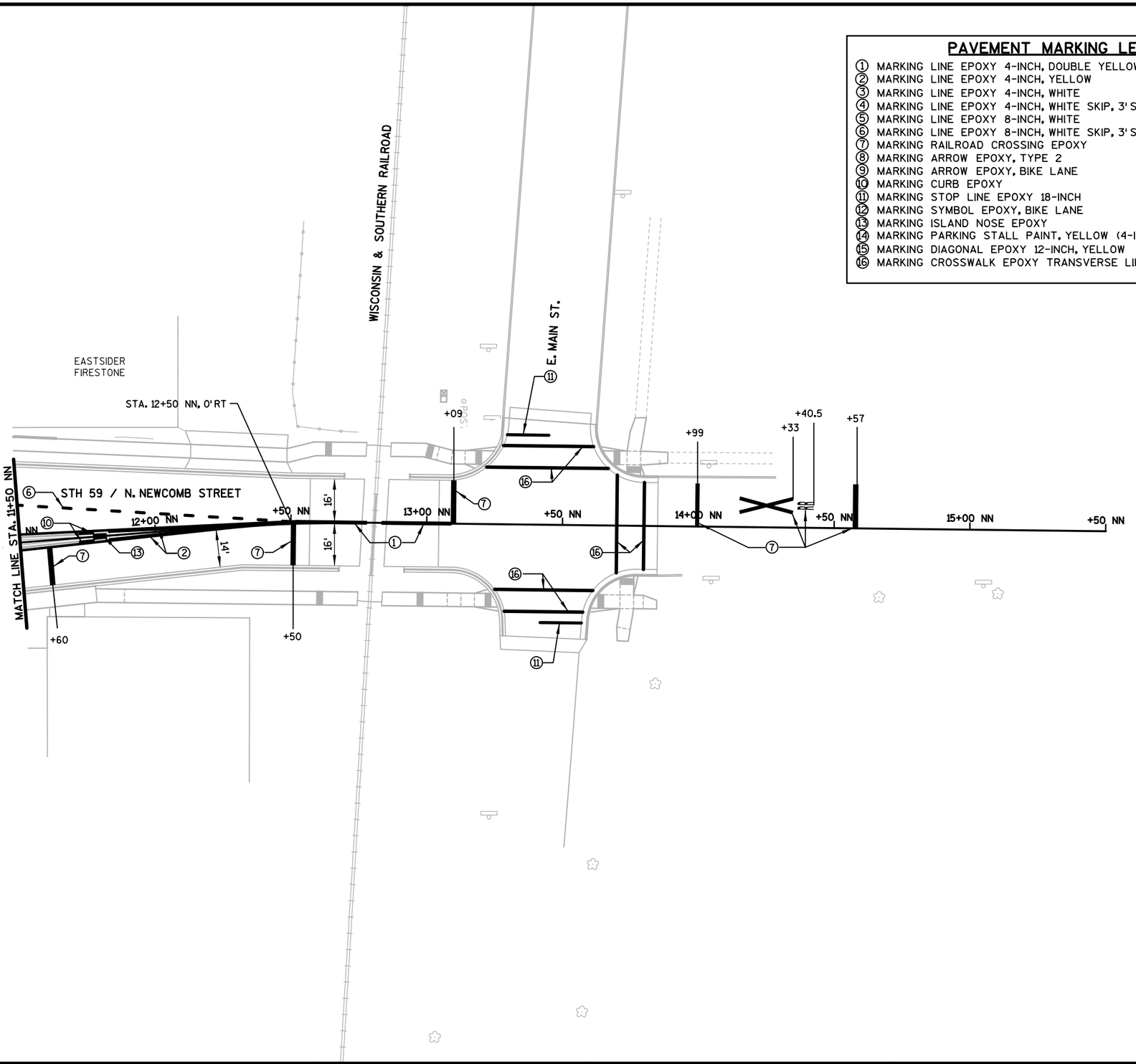
PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	PAVEMENT MARKING	SHEET 40	E

2

PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
2. MARKING LINE EPOXY 4-INCH, YELLOW
3. MARKING LINE EPOXY 4-INCH, WHITE
4. MARKING LINE EPOXY 4-INCH, WHITE SKIP, 3' SEG., 9' GAP
5. MARKING LINE EPOXY 8-INCH, WHITE
6. MARKING LINE EPOXY 8-INCH, WHITE SKIP, 3' SEG., 9' GAP
7. MARKING RAILROAD CROSSING EPOXY
8. MARKING ARROW EPOXY, TYPE 2
9. MARKING ARROW EPOXY, BIKE LANE
10. MARKING CURB EPOXY
11. MARKING STOP LINE EPOXY 18-INCH
12. MARKING SYMBOL EPOXY, BIKE LANE
13. MARKING ISLAND NOSE EPOXY
14. MARKING PARKING STALL PAINT, YELLOW (4-INCH)
15. MARKING DIAGONAL EPOXY 12-INCH, YELLOW
16. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

N

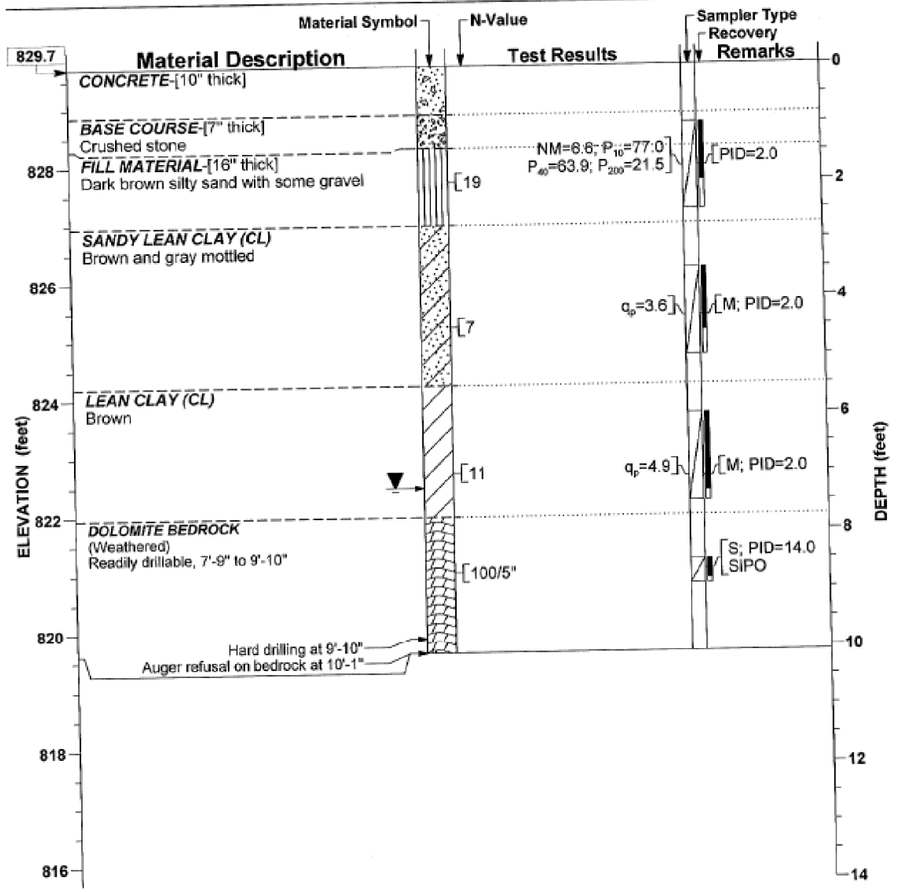


* STATION TO BOTTOM OF MARKING

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	PAVEMENT MARKING	SHEET 41	E

Boring **1**
Completed **October 6, 2010**
Total Depth = **10'-1"** (Page 1/1)

Location: Station 97+00; 12' Right



WATER LEVEL LEGEND
▼ 7'-3" at completion

For Notes and Legend, see Drawing 12879-2.

Soils & Engineering Services, Inc.
1102 STEWART STREET • MADISON, WISCONSIN
Phone: 608-274-7600 • 888-866-SOIL (7645)
Fax: 608-275-7511 • Email: soils@soils.ws
CONSULTING CIVIL ENGINEERS SINCE 1966

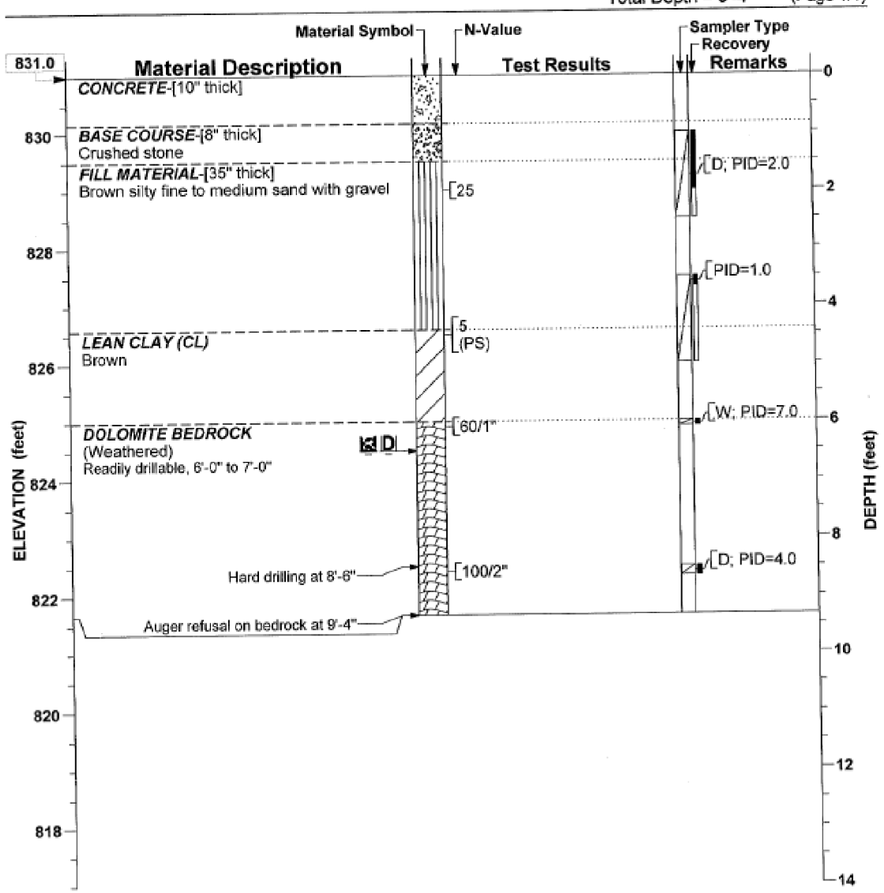
SOIL BORING RECORD
STH 59 Improvements
Milwaukee Street/Newcomb Street Intersection
City of Whitewater
Walworth County, Wisconsin

DRAWING
12879-3

Printed on 5/3/2011

Boring **2**
Completed **October 6, 2010**
Total Depth = **9'-4"** (Page 1/1)

Location: Station 100+20; 29' Right



WATER LEVEL LEGEND
D Dry 6'-6" at completion

OTHER LEVEL LEGEND
(caved) 6'-6" at completion

For Notes and Legend, see Drawing 12879-2.

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SOIL BORING RECORD
STH 59 Improvements
Milwaukee Street/Newcomb Street Intersection
City of Whitewater
Walworth County, Wisconsin

DRAWING
12879-4

Printed on 5/3/2011

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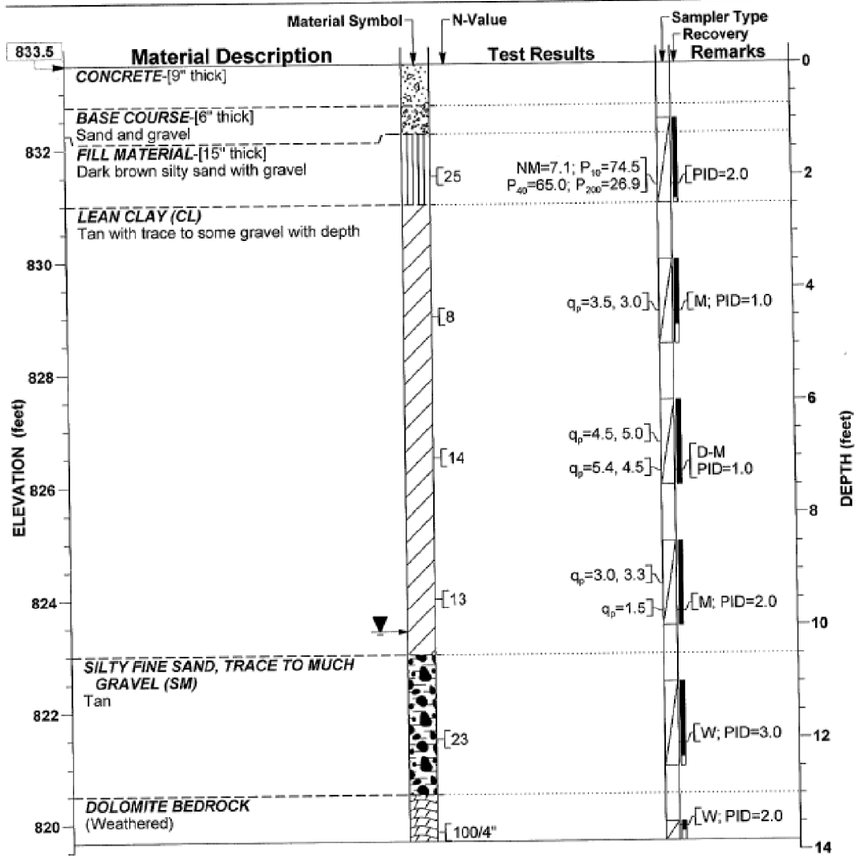
Location: Station 103+00; 12' Right

Boring **3**
Completed **October 6, 2010**
Total Depth = **13'-10"** (Page 1/1)



WATER LEVEL LEGEND
▼ 10'-1" at completion

For Notes and Legend, see Drawing 12879-2.

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CONSULTING CIVIL ENGINEERS SINCE 1966

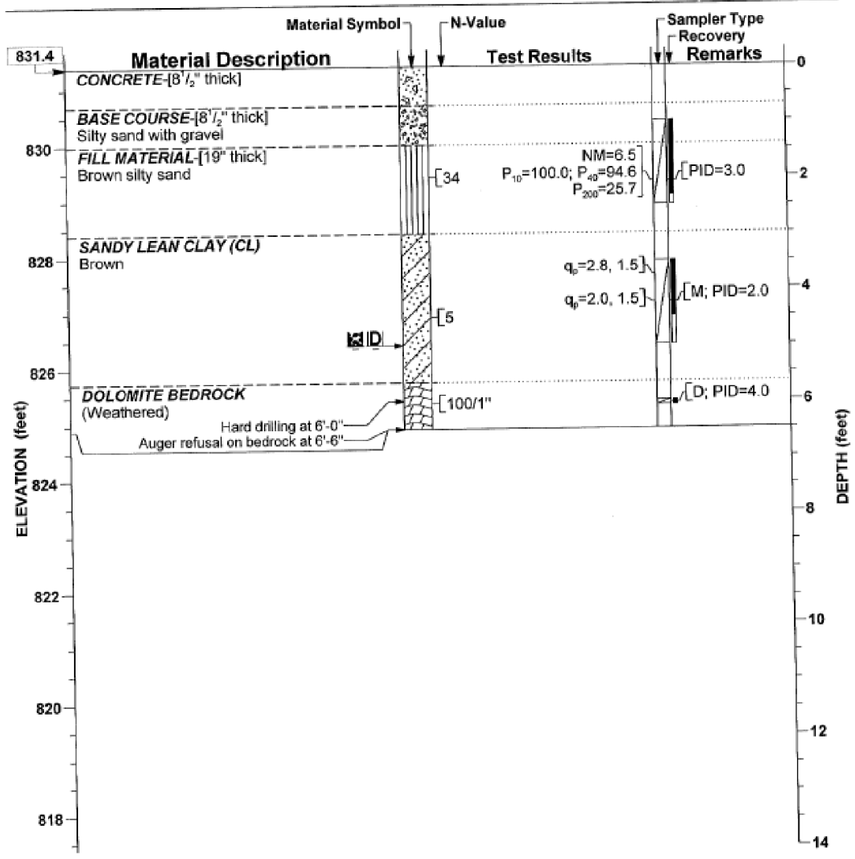
SOIL BORING RECORD
STH 59 Improvements
Milwaukee Street/Newcomb Street Intersection
City of Whitewater
Walworth County, Wisconsin

DRAWING
12879-5

Printed on 5/3/2011

Location: Station 12+30 NN; 4' Left

Boring **4**
Completed **October 6, 2010**
Total Depth = **6'-6"** (Page 1/1)



WATER LEVEL LEGEND
D Dry 5'-0" at completion

OTHER LEVEL LEGEND
(caved) 5'-0" at completion

For Notes and Legend, see Drawing 12879-2.

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SOIL BORING RECORD
STH 59 Improvements
Milwaukee Street/Newcomb Street Intersection
City of Whitewater
Walworth County, Wisconsin

DRAWING
12879-6

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2

2

N

E. MAIN STREET

WISCONSIN & SOUTHERN RAILROAD

STH 59 / NEWCOMB STREET

15+00 NN

14+00 NN

13+00 NN

12+00 NN

11+00 NN

CP 10 (MAG NAIL)
STA. 99+64.72 / 32.45' LT
Y: 423,985.42
X: 715,690.83

E. MILWAUKEE STREET

CP 10

BM 1

STH 59 / E. MILWAUKEE SREET

BM 2

CP 5

CP 5 (MAG NAIL)
STA. 100+39.28 / 30.68' RT
Y: 423,918.54
X: 715,762.09

93+00 94+00 95+00 96+00 97+00 98+00 99+00 100+00 101+00 102+00 103+00 104+00 105+00 106+00 107+00

3 00+6

ESTERLY STREET

9+00 SN

8+00 SN

S. NEWCOMB STREET

S. BISHOP STREET

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1	100+41 29' LT	TOP NUT OF EXISTING HYDRANT	834.10
2	105+61 26' LT	TOP NUT OF EXISTING HYDRANT	837.85

A ONE POINT VERTICAL CALIBRATION WAS DONE
TO HMOD WHITEWATER GPS DF9995.
(Y= 420,088.73; X= 720,579.03; ELEV.= 844.09)

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	CONTROL POINT DATA SHEET	SHEET 44	E

3110-06-70

Line	Item	Item Description	Unit	Total	Qty
0002	108.4400	CPM Progress Schedule	EACH	0.200	0.200
0006	201.0120	Clearing	ID	73.000	73.000
0010	201.0220	Grubbing	ID	73.000	73.000
0018	204.0100	Removing Pavement	SY	6,415.000	6,415.000
0026	204.0130	Removing Curb	LF	55.000	55.000
0028	204.0150	Removing Curb & Gutter	LF	155.000	155.000
0030	204.0155	Removing Concrete Sidewalk	SY	1,005.000	1,005.000
0034	204.0195	Removing Concrete Bases	EACH	7.000	7.000
0036	204.0210	Removing Manholes	EACH	3.000	3.000
0040	204.0220	Removing Inlets	EACH	14.000	14.000
0042	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	409.000	409.000
0044	204.0245	Removing Storm Sewer (size) 02. 15-Inch	LF	270.000	270.000
0050	204.0245	Removing Storm Sewer (size) 05. 24-Inch	LF	420.000	420.000
0052	204.0245	Removing Storm Sewer (size) 06. 30-Inch	LF	59.000	59.000
0058	204.9060.S	Removing (item description) 01. Manhole Covers	EACH	1.000	1.000
0060	204.9060.S	Removing (item description) 02. Commercial Signs	EACH	1.000	1.000
0062	204.9060.S	Removing (item description) 03. Light Pole	EACH	2.000	2.000
0070	204.9105.S	Removing (item description) 01. Timber Retaining Wall	LS	1.000	1.000
0072	205.0100	Excavation Common	CY	5,122.000	5,122.000
0074	205.0501.S	Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	TON	3,210.000	3,210.000
0084	213.0100	Finishing Roadway (project) 02. 3110-06-70	EACH	1.000	1.000
0086	305.0110	Base Aggregate Dense 3/4-Inch	TON	20.000	20.000
0088	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	3,850.000	3,850.000
0092	313.0110	Pit Run	TON	535.000	535.000
0096	405.0200	Coloring Concrete Custom	CY	60.000	60.000
0098	405.1000	Stamping Colored Concrete	CY	22.000	22.000
0100	415.0090	Concrete Pavement 9-Inch	SY	6,535.000	6,535.000
0102	415.0210	Concrete Pavement Gaps	EACH	6.000	6.000
0106	415.4100	Concrete Pavement Joint Filling	SY	6,970.000	6,970.000
0110	415.5110.S	Concrete Pavement Joint Layout 02. 3110-06-70	LS	1.000	1.000
0112	416.0170	Concrete Driveway 7-Inch	SY	260.000	260.000
0116	416.0270	Concrete Driveway HES 7-Inch	SY	430.000	430.000
0120	416.0610	Drilled Tie Bars	EACH	24.000	24.000
0122	416.0620	Drilled Dowel Bars	EACH	396.000	396.000
0130	455.0605	Tack Coat	GAL	21.000	21.000
0132	460.2000	Incentive Density HMA Pavement	DOL	60.000	60.000
0134	460.6223	HMA Pavement 3 MT 58-28 S	TON	63.000	63.000
0136	460.6224	HMA Pavement 4 MT 58-28 S	TON	44.000	44.000
0138	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	221.000	221.000

Line	Item	Item Description	Unit	Total	Qty
0142	520.8000	Concrete Collars for Pipe	EACH	1.000	1.000
0160	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	28.000	28.000
0162	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	374.000	374.000
0170	601.0600	Concrete Curb Pedestrian	LF	59.000	59.000
0172	602.0410	Concrete Sidewalk 5-Inch	SF	8,890.000	8,890.000
0174	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	190.000	190.000
0176	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	16.000	16.000
0188	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	388.000	388.000
0190	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	90.000	90.000
0194	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	669.000	669.000
0198	608.0430	Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	LF	102.000	102.000
0204	611.0530	Manhole Covers Type J	EACH	5.000	5.000
0210	611.0624	Inlet Covers Type H	EACH	9.000	9.000
0216	611.0639	Inlet Covers Type H-S	EACH	6.000	6.000
0228	611.1230	Catch Basins 2x3-FT	EACH	15.000	15.000
0230	611.2004	Manholes 4-FT Diameter	EACH	1.000	1.000
0232	611.2005	Manholes 5-FT Diameter	EACH	3.000	3.000
0240	611.8110	Adjusting Manhole Covers	EACH	1.000	1.000
0256	619.1000	Mobilization	EACH	0.200	0.200
0258	620.0300	Concrete Median Sloped Nose	SF	217.000	217.000
0260	623.0200	Dust Control Surface Treatment	SY	8,100.000	8,100.000
0262	624.0100	Water	MGAL	78.000	78.000
0264	625.0100	Topsoil	SY	1,975.000	1,975.000
0268	627.0200	Mulching	SY	2,813.000	2,813.000
0272	628.1504	Silt Fence	LF	715.000	715.000
0274	628.1520	Silt Fence Maintenance	LF	3,180.000	3,180.000
0276	628.1905	Mobilizations Erosion Control	EACH	2.000	2.000
0278	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0286	628.6510	Soil Stabilizer Type B	ACRE	0.200	0.200
0288	628.7005	Inlet Protection Type A	EACH	13.000	13.000
0292	628.7015	Inlet Protection Type C	EACH	25.000	25.000
0294	628.7020	Inlet Protection Type D	EACH	8.000	8.000
0300	628.7560	Tracking Pads	EACH	4.000	4.000
0304	629.0210	Fertilizer Type B	CWT	2.900	2.900
0306	630.0120	Seeding Mixture No. 20	LB	25.000	25.000
0312	630.0200	Seeding Temporary	LB	75.000	75.000

3110-06-70

Line	Item	Item Description	Unit	Total	Qty
0314	631.0300	Sod Water	MGAL	46.900	46.900
0316	631.1000	Sod Lawn	SY	2,075.000	2,075.000
0322	634.0816	Posts Tubular Steel 2x2-Inch X 16-FT	EACH	42.000	42.000
0326	637.2210	Signs Type II Reflective H	SF	258.600	258.600
0330	637.2230	Signs Type II Reflective F	SF	108.320	108.320
0334	638.2602	Removing Signs Type II	EACH	35.000	35.000
0336	638.3000	Removing Small Sign Supports	EACH	27.000	27.000
0338	641.8100	Overhead Sign Support (structure) 01. S-64-605	LS	1.000	1.000
0340	641.8100	Overhead Sign Support (structure) 02. S-64-606	LS	1.000	1.000
0342	641.8100	Overhead Sign Support (structure) 03. S-64-607	LS	1.000	1.000
0344	642.5401	Field Office Type D	EACH	0.200	0.200
0378	646.1020	Marking Line Epoxy 4-Inch	LF	3,459.000	3,459.000
0380	646.3020	Marking Line Epoxy 8-Inch	LF	471.000	471.000
0382	646.5020	Marking Arrow Epoxy	EACH	10.000	10.000
0386	646.5220	Marking Symbol Epoxy	EACH	3.000	3.000
0388	646.5320	Marking Railroad Crossings Epoxy	EACH	2.000	2.000
0390	646.6120	Marking Stop Line Epoxy 18-Inch	LF	141.000	141.000
0398	646.7120	Marking Diagonal Epoxy 12-Inch	LF	120.000	120.000
0400	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	910.000	910.000
0402	646.8120	Marking Curb Epoxy	LF	152.000	152.000
0404	646.8220	Marking Island Nose Epoxy	EACH	6.000	6.000
0406	646.8305	Marking Parking Stall Paint	LF	32.000	32.000
0408	646.9000	Marking Removal Line 4-Inch	LF	145.000	145.000
0420	650.4000	Construction Staking Storm Sewer	EACH	19.000	19.000
0422	650.4500	Construction Staking Subgrade	LF	1,450.000	1,450.000
0424	650.5000	Construction Staking Base	LF	145.000	145.000
0426	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	135.000	135.000
0428	650.7000	Construction Staking Concrete Pavement	LF	1,310.000	1,310.000
0434	650.8500	Construction Staking Electrical Installations (project) 02. 3110-06-70	LS	1.000	1.000
0436	650.9000	Construction Staking Curb Ramps	EACH	20.000	20.000
0440	650.9910	Construction Staking Supplemental Control (project) 02. 3110-06-70	LS	1.000	1.000
0442	650.9920	Construction Staking Slope Stakes	LF	1,450.000	1,450.000
0444	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	416.000	416.000
0446	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	1,103.000	1,103.000
0448	652.0605	Conduit Special 2-Inch	LF	52.000	52.000
0450	652.0800	Conduit Loop Detector	LF	877.000	877.000
0452	653.0120	Pull Boxes Steel 18x24-Inch	EACH	5.000	5.000
0454	653.0130	Pull Boxes Steel 18x36-Inch	EACH	1.000	1.000

Line	Item	Item Description	Unit	Total	Qty
0458	653.0140	Pull Boxes Steel 24x42-Inch	EACH	1.000	1.000
0460	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	9.000	9.000
0476	690.0150	Sawing Asphalt	LF	1,120.000	1,120.000
0478	690.0250	Sawing Concrete	LF	808.000	808.000
0480	715.0415	Incentive Strength Concrete Pavement	DOL	1,889.000	1,889.000
0482	715.0710	Optimized Aggregate Gradation Incentive	DOL	5,500.000	5,500.000
0544	SPV.0090	Special 01. Concrete Curb and Gutter HES 30-Inch Type A	LF	30.000	30.000
0554	SPV.0090	Special 06. Concrete Curb and Gutter 24-Inch Type A	LF	1,970.000	1,970.000
0556	SPV.0090	Special 07. Concrete Curb and Gutter Mountable 24-Inch Type A	LF	945.000	945.000
0558	SPV.0090	Special 08. Concrete Curb and Gutter 24-Inch Type D	LF	48.000	48.000
0560	SPV.0090	Special 09. Concrete Curb and Gutter HES 24-Inch Type A	LF	121.000	121.000
0562	SPV.0090	Special 10. Concrete Curb and Gutter SHES 24-Inch Type A	LF	40.000	40.000
0596	SPV.0105	Special 02. Removing Overhead Sign Supports Station 99+60	LS	1.000	1.000
0598	SPV.0105	Special 03. Removing Overhead Sign Supports Station 100+35	LS	1.000	1.000
0604	SPV.0120	Special 01. Water for Seeded Areas	MGAL	63.000	63.000
0606	SPV.0180	Special 01. Concrete Driveway SHES 7-Inch	SY	45.000	45.000

3

CLEARING AND GRUBBING

CATEGORY	STATION	LOCATION	201.0120 CLEARING ID	201.0220 GRUBBING ID
0010	95+68	LT	3	3
	96+57	LT	3	3
	96+89	LT	3	3
	97+16	LT	3	3
	97+58	RT	6	6
	97+84	RT	6	6
	98+14	LT	12	12
	100+92	RT	8	8
	101+24	RT	12	12
	102+20	RT	6	6
	102+51	RT	3	3
	10+62 NN	LT	8	8
		TOTALS	73	73

REMOVING PAVEMENT

CATEGORY	STATION - STATION	* 204.0100 SY
0010	95+84 - 100+00	2,600
	100+00 - 102+75	1,850
	9+25 E - 9+50 E	65
	9+46 SN - 9+50 SN	10
	10+50 NN - 13+85 NN	1,650
	TOTAL	6,175

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING CURB & GUTTER

CATEGORY	STATION - STATION	LOCATION	204.0150 LF
0010	95+25 - 95+86	LT	55
	95+25 - 95+71	RT	55
	9+35 E - 9+50 E	LT	20
	13+27 NN - 13+69 NN	LT	25
	TOTAL		155

REMOVING LIGHT POLE

CATEGORY	STATION	LOCATION	204.9060.S.03 EACH
0010	101+58	LT	1
	10+91 NN	RT	1
	TOTAL		2

REMOVING CURB

CATEGORY	STATION - STATION	LOCATION	204.0130 LF
0010	99+38 - 99+46	LT	30
	10+67 NN - 10+71 NN	LT	25
	TOTAL		55

REMOVING CONCRETE SIDEWALK

CATEGORY	STATION - STATION	LOCATION	204.0155 SY
0010	95+25 - 100+00	LT	265
	95+25 - 100+00	RT	215
	100+00 - 102+75	LT	130
	100+00 - 102+75	RT	125
	10+50 NN - 13+85 NN	LT	130
	10+50 NN - 13+85 NN	RT	140
	TOTAL		1,005

REMOVING CONCRETE BASES

CATEGORY	STATION	OFFSET	204.0195 EACH
0010	99+60	35 'RT	1
	99+61	28 'RT	1
	100+37	28 'LT	1
	100+31	35 'LT	2
	101+58	35 'LT	1
	10+91 NN	25 'RT	1
		TOTAL	7

REMOVING MANHOLE ITEMS

CATEGORY	STATION	OFFSET	204.0210 REMOVING MANHOLES EACH	204.9060.S.01 REMOVING MANHOLE COVER EACH
0010	96+22	15.2 'RT	1	---
	100+44	17.1 'RT	1	---
	103+12	17.8 'RT	1	---
	13+81 NN	10.8 'LT	---	1
		TOTALS	3	1

REMOVING INLETS

CATEGORY	STATION	OFFSET	204.0220 EACH
0010	96+39	24.0 'LT	1
	96+39	24.1 'RT	1
	99+79	48.1 'LT	1
	100+16	46.4 'LT	1
	100+21	46.1 'RT	1
	100+36	25.2 'LT	1
	100+45	23.8 'RT	1
	103+12	24.1 'LT	1
	103+12	23.9 'RT	1
	9+48 SN	16.2 'LT	1
	13+27 NN	34.0 'RT	1
	13+60 NN	33.6 'RT	1
	13+80 NN	18.2 'RT	1
	13+80 NN	18.0 'LT	1
		TOTAL	14

REMOVING STORM SEWER

CATEGORY	STATION - STATION	OFFSET	204.0245 .01 12-INCH LF	.02 15-INCH LF	.05 24-INCH LF	.06 30-INCH LF
0010	95+62.6 - 96+22.0	RT	---	---	---	59
	96+22.0 - 96+38.7	RT/LT	43	---	---	---
	96+22.0 - 96+38.7	RT	19	---	---	---
	96+22.0 - 100+44.1	RT	---	---	420	---
	99+79.3 - 100+15.7	LT	37	---	---	---
	100+15.7 - 100+35.6	LT	29	---	---	---
	100+35.6 - 100+44.1	RT/LT	43	---	---	---
	99+83.9 - 100+21.0	RT	37	---	---	---
	100+21.0 - 100+45.2	RT	33	---	---	---
	100+45.2 - 100+44.1	RT	7	---	---	---
	100+44.1 - 103+11.7	RT	---	270	---	---
	103+12.3 - 103+11.7	RT/LT	42	---	---	---
	103+11.7 - 103+11.7	RT	6	---	---	---
	13+27.2 NN - 13+59.6 NN	RT	32	---	---	---
	13+59.6 NN - 13+80.1 NN	RT	26	---	---	---
	13+80.1 NN - 13+81.4 NN	RT/LT	29	---	---	---
	13+67.6 NN - 13+80.3 NN	LT	19	---	---	---
	13+80.3 NN - 13+81.4 NN	LT	7	---	---	---
	TOTALS		409	270	420	59

EARTHWORK

			CUT WITH CONTAMINATED MATERIAL	APPROXIMATE CONTAMINATED MATERIAL	205.0100 EXCAVATION COMMON (1)		UNUSABLE PAVEMENT MATERIAL	AVAILABLE MATERIAL (5)	EXPANDED EBS BACKFILL (6)	UNEXPANDED FILL	EXPANDED FILL (7)	MASS ORDINATE +/- (8)	WASTE	313.0110 PIT RUN (4)
					CUT(2)(3)	EBS EXCAVATION (4)			FACTOR 1.30		FACTOR 1.25			
						5% OF CUT								
CATEGORY	LOCATION	STATION - STATION	CY	CY	CY	CY	CY	CY	CY	CY	CY		CY	TON
0010	MILWAUKEE STREET	95+25 - 102+75	2,770	798	1,972	138	815	1,157	180	10	13	1,144	1,144	250
	ESTERLY STREET	8+95 E - 9+71 E	396	73	323	20	77	246	26	0	0	246	246	35
	SOUTH NEWCOMB STREET	7+84 SN - 9+73 SN	689	74	615	34	52	562	45	0	0	562	562	60
	NORTH NEWCOMB STREET	10+22 NN - 13+85 NN	2,081	166	1,915	104	376	1,540	135	77	96	1,444	1,444	190
		SUBTOTALS			4,825	297	1,320	3,504	386	87	109	3,396	3,396	535
		TOTALS				5,122								535

1) EXCAVATION COMMON IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100.
2) CUT = CUT WITH CONTAMINATED MATERIAL - APPROXIMATE CONTAMINATED MATERIAL
3) UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
4) EBS EXCAVATION TO BE BACKFILLED WITH PIT RUN. MATERIAL EXCAVATED FOR EBS IS TO BE WASTED OFF-SITE.
5) AVAILABLE MATERIAL = CUT - UNUSABLE PAVEMENT MATERIAL.
6) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH PIT RUN. EBS BACKFILL FACTOR = 1.30.
7) EXPANDED FILL = UNEXPANDED FILL * EXPANDED FILL FACTOR. EXPANDED FILL FACTOR = 1.25.
8) MASS ORDINATE: MASS ORDINATE = (CUT - UNUSABLE PAVEMENT MATERIAL) - (FILL*FILL FACTOR)
PLUS MASS ORDINATE QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS MASS ORDINATE QUANTITY INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

3

REMOVING COMMERCIAL SIGNS

CATEGORY	LOCATION	204.9060.S.02 EACH
0010	100+31 LT	1

REMOVING TIMBER RETAINING WALL

CATEGORY	LOCATION	204.9105.S.01 LS
0010	102+29 RT - 100+63 RT	1

EXCAVATION, HAULING, AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL

CATEGORY	STATION	LOCATION	205.0501.S TON
0010	96+00 - 98+00	RT	800
	98+00 - 100+00	RT/LT	1,000
	100+00 - 101+95	RT/LT	1,200
	101+95 - 102+60	RT/LT	200
	102+60 - 103+10	LT	10
		TOTAL	3,210

FINISHING ROADWAY

CATEGORY	PROJECT	213.0100 EACH
0010	3110-06-70	1

CONCRETE PAVEMENT JOINT LAYOUT

CATEGORY	PROJECT	415.5110.S.02 LS
0010	3110-06-70	1

BASE AGGREGATE DENSE

CATEGORY	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON
0010	95+25 - 100+00	LT	---	840
	95+25 - 100+00	RT	---	860
	100+00 - 102+75	LT	---	400
	100+00 - 102+75	RT	---	380
	8+95 E - 9+50 E	LT	---	70
	8+95 E - 9+50 E	RT	---	30
	7+84.5 SN - 9+50 SN	LT	---	190
	7+84.5 SN - 9+50 SN	RT	20	140
	10+50 NN - 13+85 NN	LT	---	430
	10+50 NN - 13+85 NN	RT	---	510
	TOTALS		20	3,850

STAMPING COLORED CONCRETE

CATEGORY	STATION - STATION	LOCATION	405.1000 STAMPING COLORED CONCRETE 4-INCH CY	7-INCH CY
0030	95+25 - 100+00	LT & RT	8	---
	100+00 - 102+75	LT & RT	---	9
	10+50 NN - 13+85 NN	LT & RT	---	5
	TOTAL		22	

CONCRETE DRIVEWAY

CATEGORY	STATION	OFFSET	416.0170 7-INCH SY	416.0270 HES 7-INCH SY	SPV.0180.01 SHES 7-INCH SY
0010	96+10	LT	45	---	---
	97+00	RT	35	---	---
	97+63	LT	---	45	---
	98+53	LT	35	---	---
	98+78	RT	35	---	---
	101+30	LT	---	320	---
	11+43 NN	RT	70	---	---
	12+33 NN	LT	---	35	---
	9+18 E	LT	---	30	---
	9+00 SN	LT	40	---	---
	UNDISTRIBUTED	---	---	---	45
	TOTALS		260	430	45

CONCRETE PAVEMENT ITEMS

CATEGORY	STATION - STATION	LOCATION	* 415.0090 CONCRETE PAVEMENT 9-INCH SY	* 416.0620 DRILLED DOWEL BARS EACH	415.0210 CONCRETE PAVEMENT GAPS EACH	415.4100 CONCRETE PAVEMENT JOINT FILLING SY
0010	95+25 - 100+00	LT & RT	2,830	43	---	3,100
	100+00 - 102+75	LT & RT	1,630	---	---	1,840
	9+00 E - 9+50 E	LT & RT	185	---	---	210
	8+81 SN - 9+50 SN	LT & RT	240	---	---	280
	10+50 NN - 13+85 NN	LT & RT	1,410	31	---	1,540
	UNDISTRIBUTED	LT & RT	---	---	6	---
	TOTALS		6,295	74	6	6,970

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

COLORED CROSSWALK

CATEGORY	LOCATION	* 204.0100 REMOVING PAVEMENT SY	405.0200 COLORING CONCRETE CUSTOM CY	* 415.0090 CONCRETE PAVEMENT 9-INCH SY	416.0610 DRILLED TIE BARS EACH	* 416.0620 DRILLED DOWEL BARS EACH	* 690.0250 SAWING CONCRETE LF
0030	99+48 - 100+00	110	30	110	10	155	241
	100+00 - 100+51.4	130	30	130	14	167	276
	TOTALS	240	60	240	24	322	517

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

ASPHALTIC ITEMS

CATEGORY	STATION - STATION	LOCATION	455.0605 TACK COAT GAL	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (DRIVEWAYS) TON
0010	95+88 - 97+90	LT	0	---	---	49
	96+82 - 99+70	RT	0	---	---	71
	98+26 - 99+17	LT	0	---	---	49
	8+95 E - 9+00 E	LT/RT	1	1	2	---
	9+08 E - 9+26 E	LT	0	---	---	3
	7+84 SN - 8+81 SN	LT/RT	12	24	31	---
	8+81 SN - 9+50 SN	LT/RT	0	---	---	18
	10+84 NN - 11+24 NN	RT	0	---	---	17
	11+34 NN - 11+59 NN	RT	0	---	---	10
	12+14 NN - 12+49 NN	LT	0	---	---	4
	12+57 NN - 12+79 NN	LT/RT	3	8	13	---
	12+84 NN - 13+04 NN	LT/RT	3	8	13	---
	13+28 NN - 13+59 NN	RT	1	2	2	---
	13+29 NN - 13+61 NN	LT	1	1	2	---
		TOTALS	21	44	63	221

CURB RAMP DETECTABLE WARNING FIELD

CATEGORY	STATION	LOCATION	NATURAL PATINA 602.0515 SF	RADIAL NATURAL PATINA 602.0615 SF
0010	95+43	LT	10	---
	95+43	RT	10	---
	95+73	RT	10	---
	96+31	RT	10	---
	99+52	RT	10	---
	99+52	LT	10	---
	99+78	RT	10	---
	100+34	RT	---	16
	100+47	LT	10	---
	100+47	RT	10	---
	12+61 NN	RT	10	---
	12+64 NN	LT	10	---
	12+98 NN	RT	10	---
	13+01 NN	LT	10	---
	13+20 NN	LT	10	---
	13+23 NN	RT	10	---
	13+64 NN	RT	10	---
	13+69 NN	LT	10	---
	13+75 NN	RT	10	---
	13+77 NN	LT	10	---
		TOTALS	190	16

CONCRETE SIDEWALK

CATEGORY	STATION - STATION	LOCATION	602.0410 CONCRETE SIDEWALK 5-INCH SF
0010	95+25 - 100+00	LT	1,650
	95+25 - 100+00	RT	1,800
	100+00 - 102+60	LT	1,150
	100+00 - 102+60	RT	1,300
	9+00 E - 9+50 E	LT	220
	8+81 SN - 9+50 SN	LT	170
	10+50 NN - 13+85 NN	LT	1,300
	10+50 NN - 13+85 NN	RT	1,300
	TOTAL		8,890

ADJUSTING MANHOLE COVERS

CATEGORY	STATION	LOCATION	611.8110 EACH
0010	95+63	16' RT	1

MOBILIZATION

PROJECT	CATEGORY	619.1000 EACH
3110-06-70	0010	0.2

CONCRETE MEDIAN SLOPED NOSE

CATEGORY	STATION	OFFSET	620.0300 SF	REMARKS
0010	97+90.4	0.9' LT	38	TYPE 1
	99+39.9	1.0' RT	47	TYPE 1
	100+02.4	45.6' LT	32	TYPE 1
	100+52.2	9.3' RT	41	TYPE 1
	101+69.0	7.0' RT	35	TYPE 1
	11+77.0 NN	0.0' RT	24	TYPE 1
	TOTAL		217	

STORM SEWER

CATEGORY	FROM STRUCTURE	TO STRUCTURE	608.0412 CLASS IV 12-INCH LF	608.0415 CLASS IV 15-INCH LF	608.0424 CLASS IV 24-INCH LF	608.0430 CLASS IV 30-INCH LF	520.8000 CONCRETE COLLARS FOR PIPE EACH
0010	105	EXIST.	---	---	---	102	---
	105A	105	39	---	---	---	---
	105B	105	17	---	---	---	---
	110	105	---	---	317	---	---
	110A	110	43	---	---	---	---
	110B	110A	38	---	---	---	---
	115	110	---	---	83	---	---
	115A	115	---	43	---	---	---
	115B	115A	---	47	---	---	---
	115C	115B	6	---	---	---	---
	115D	115C	68	---	---	---	---
	115E	115	18	---	---	---	---
	120	--	---	---	---	---	---
	120A	120	7	---	---	---	---
	120B	120A	20	---	---	---	1
	120D	120	28	---	---	---	---
	120E	120D	26	---	---	---	---
	120F	120E	31	---	---	---	---
	125	115	---	---	269	---	---
	125A	125	38	---	---	---	---
	125B	125	9	---	---	---	---
TOTALS			388	90	669	102	1

INLETS, MANHOLES, MANHOLE COVERS, AND INLET COVERS

CATEGORY	STRUCT. ID#	STATION	OFFSET	611.1230 CATCH BASINS 2x3-FT EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	105	96+65.00	15.4'RT	---	---	1	1	---	---	1
	105A	96+65.00	23.5'LT	1	---	---	---	1	---	1
	105B	96+65.00	32.7'RT	1	---	---	---	1	---	1
	110	99+82.49	17.2'RT	---	1	---	1	---	---	1
	110A	9+40.00	18.2'LT	1	---	---	---	---	1	1
	110B	9+35.48 SN	19.3'RT	1	---	---	---	---	1	1
	115	100+66.00	17.1'RT	---	---	1	1	---	---	1
	115A	100+80.00	23.5'LT	1	---	---	---	1	---	1
	115B	10+45.85 NN	36.7'RT	1	---	---	---	---	1	1
	115C	10+51.17 NN	34.0'RT	1	---	---	---	---	1	1
	115D	10+75.00 NN	29.5'LT	1	---	---	---	1	---	1
	115E	100+66.00	35.1'RT	1	---	---	---	1	---	1
	120	13+81.38 NN	10.8'LT	---	---	---	1	---	---	---
	120A	13+81.99 NN	17.5'LT	1	---	---	---	1	---	1
	120B	13+67.62 NN	32.1'LT	---	---	---	---	---	---	---
	120D	13+80.16 NN	17.5'RT	1	---	---	---	1	---	1
	120E	13+59.10 NN	33.6'RT	1	---	---	---	---	1	1
	120F	13+27.66	34.0'RT	1	---	---	---	---	1	1
	125	103+35.00	15.0'RT	---	---	1	1	---	---	1
	125A	103+35.00	23.5'LT	1	---	---	---	1	---	1
	125B	103+35.00	23.5'RT	1	---	---	---	1	---	1
TOTALS				15	1	3	5	9	6	19

CURB AND GUTTER

CATEGORY	STATION - STATION	LOCATION	** 601.0407 CONCRETE CURB & GUTTER 18-INCH TYPE D LF	** 601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	** SPV.0090.01 CONCRETE CURB & GUTTER HES 30-INCH TYPE A LF	601.0600 CONCRETE CURB PEDESTRIAN LF	** SPV.0090.06 CONCRETE CURB & GUTTER 24-INCH TYPE A LF	** SPV.0090.09 CONCRETE CURB & GUTTER HES 24-INCH TYPE A LF	** SPV.0090.10 CONCRETE CURB & GUTTER SHES 24-INCH TYPE A LF	** SPV.0090.07 CONCRETE CURB & GUTTER MOUNTABLE 24-INCH TYPE A LF	** SPV.0090.08 CONCRETE CURB & GUTTER 24-INCH TYPE D LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
0010	95+28.7 - 99+66.9	LT	---	---	---	---	395	49	---	---	---	---
	95+25.0 - 95+77.1	RT	---	64	---	---	---	---	---	---	---	---
	96+25.1 - 96+41.0	RT	---	22	---	---	---	---	---	---	---	---
	96+41.0 - 99+80.2	RT	---	---	---	---	350	---	---	---	---	---
	97+96.4 - 99+39.9	MED, RT/LT	---	---	---	---	290	---	---	---	---	---
	99+18.9 - 99+31.1	LT (PARKING LOT)	28	---	---	---	---	---	---	---	---	28
	99+80.2- 99+80.7	RT	---	6	---	---	---	---	---	---	---	---
	100+25.1 - 102+75.0	RT	---	---	---	---	255	---	---	---	---	---
	100+37.2 - 102+75.0	LT	---	---	---	---	215	32	---	---	---	---
	100+58.2 - 101+69.0	MED, RT/LT	---	---	---	---	---	---	---	445	---	---
	9+00.0 E - 9+50.0 E	LT/RT	---	75	30	---	---	---	---	---	---	---
	8+81.3 SN - 9+50.0 SN	LT	---	74	---	---	---	---	---	---	---	---
	8+81.3 SN - 9+35.4 SN	RT	---	54	---	---	---	---	---	---	---	---
	9+35.4 SN - 9+50.0 SN	RT	---	---	---	---	16	---	---	---	---	---
	10+50.0 NN - 12+57.0 NN	RT	---	---	---	---	210	---	---	---	---	---
	10+50.6 NN - 12+57.0 NN	LT	---	---	---	---	170	40	---	---	---	---
	10+51.7 NN - 11+77.0 NN	MED, RT/LT	---	---	---	---	---	---	---	500	---	---
	11+04.0 NN - 11+62.6 NN	LT	---	---	---	59	---	---	---	---	---	59
	12+57.0 NN - 12+69.5 NN	LT	---	---	---	---	---	---	---	---	13	13
	12+57.0 NN - 12+67.9 NN	RT	---	---	---	---	---	---	---	---	11	11
	12+91.9 NN - 13+04.5 NN	RT	---	---	---	---	---	---	---	---	13	13
	12+93.6 NN - 13+04.5 NN	LT	---	---	---	---	---	---	---	---	11	11
	13+04.5 NN - 13+30.6 NN	LT	---	2	---	---	35	---	---	---	---	---
	13+04.5 NN - 13+30.6 NN	RT	---	---	---	---	34	---	---	---	---	---
	13+60.7 NN - 13+85.0 NN	LT	---	35	---	---	---	---	---	---	---	---
	13+59.0 NN - 13+85.0 NN	RT	---	42	---	---	---	---	---	---	---	---
	UNDISTRIBUTED		---	---	---	---	---	---	40	---	---	---
	TOTALS		28	374	30	59	1,970	121	40	945	48	135

** GUTTER CROSS SLOPE OF 6.25% REQ'D

DUST CONTROL SURFACE TREATMENT

CATEGORY	STATION - STATION	LOCATION	623.0200 SY
0010	95+25 - 100+00	LT	1,550
	95+25 - 100+00	RT	1,850
	100+00 - 102+75	LT	940
	100+00 - 102+75	RT	1,000
	8+95 E - 9+50 E	LT	140
	8+95 E - 9+50 E	RT	90
	7+84.50 SN - 9+50 SN	LT	280
	7+84.50 SN - 9+50 SN	RT	280
	10+50 NN - 13+85.02 NN	LT	1,050
	10+50 NN - 13+85.02 NN	RT	920
	TOTAL		8,100

WATER

CATEGORY	LOCATION	624.0100 MGAL
0010	COMPACTION	58
	DUST CONTROL	20
	TOTAL	78

MOBILIZATIONS EROSION CONTROL

CATEGORY	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	2	2

SILT FENCE SUMMARY

CATEGORY	PROJECT LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
0010	WASTE SITE	570	2,545
	UNDISTRIBUTED	145	635
	TOTALS	715	3,180

FINISHING ITEMS

CATEGORY	STATION - STATION	LOCATION	625.0100 TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0200 SEEDING TEMPORARY LB	SPV.0120.01 WATER FOR SEEDED AREAS MGAL	631.0300 SOD WATER MGAL	631.1000 SOD LAWN SY
0010	95+25 - 100+00	LT	250	---	0.2	---	---	---	5.7	250
	95+25 - 100+00	RT	200	---	0.1	---	---	---	4.5	200
	100+00 - 102+75	LT	120	---	0.1	---	---	---	2.8	120
	100+00 - 102+75	RT	220	---	0.1	---	---	---	4.8	220
	8+95 E - 9+50 E	LT	40	---	---	---	---	---	1.9	85
	8+95 E - 9+50 E	RT	95	---	0.1	---	---	---	2.5	110
	7+84.5 SN - 9+50 SN	LT	70	---	---	---	---	---	1.6	70
	7+84.5 SN - 9+50 SN	RT	75	---	---	---	---	---	1.7	75
	10+50 NN - 13+85 NN	LT	300	---	0.2	---	---	---	7.2	320
	10+50 NN - 13+85 NN	RT	210	---	0.1	---	---	---	4.8	210
	WASTE SITE		---	2,250	1.4	20	60	50	---	---
	UNDISTRIBUTED		395	563	0.6	5	15	13	9.4	415
	TOTALS		1,975	2,813	2.9	25	75	63	46.9	2,075

SOIL STABILIZER TYPE B

CATEGORY	LOCATION	628.6510 ACRE
0010	UNDISTRIBUTED	0.2

FIELD OFFICE TYPE D

CATEGORY	PROJECT	642.5401 EACH
0010	3110-06-70	0.2

TRACKING PADS

CATEGORY	LOCATION	628.7560 EACH
0010	MILWAUKEE ST.	2
	N. NEWCOMB ST.	1
	WASTE SITE	1
	TOTAL	4

MARKING REMOVAL LINE 4-INCH

CATEGORY	STATION - STATION	LOCATION	646.9000 LF
0010	94+52 - 95+25	LT/RT	145

INLET PROTECTION SUMMARY

CATEGORY	STATION	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH
0010	94+77	23' LT	---	1	---
	96+39	24' LT	---	1	---
	96+39	24' RT	---	1	---
	96+65	22.4' LT	1	1	---
	96+66	31.5' RT	1	1	---
	99+79	48.1' LT	---	---	1
	100+16	46.4' LT	---	---	1
	100+21	46.1' RT	---	1	---
	100+36	24' LT	---	1	---
	100+40	47.5 'LT	1	---	1
	100+45	23.8' RT	---	1	---
	100+67	34.1' RT	1	1	---
	100+81	22.5' LT	1	1	---
	7+88 E	15.4' RT&LT	---	2	---
	8+24 E	15.4' LT	---	1	---
	9+03 E	15.5' LT	---	---	1
	9+03 E	15.5' RT	---	---	1
	9+37 SN	18.4' RT	1	---	1
	9+39 SN	17.0' LT	1	---	1
	9+48 SN	16.2' LT	---	1	---
	10+51 NN	34' RT	1	---	1
	10+75 NN	29.5' LT	1	1	---
	13+28 NN	34.0' RT	1	2	---
	13+29 NN	41.8' LT	---	1	---
	13+59 NN	33.6' RT	1	2	---
	13+61 NN	39.8' LT	---	1	---
	13+80 NN	18.1' RT	1	2	---
	13+80 NN	17.5' LT	---	1	---
	13+82 NN	17.5' LT	1	1	---
	TOTALS		13	25	8

MARKING

CATEGORY	STATION - STATION	LOCATION	646.1020 LINE EPOXY 4-INCH (WHITE) LF	646.1020 LINE EPOXY 4-INCH (WHITE SKIP 3' SEG. 9' GAP) LF	646.1020 LINE EPOXY 4-INCH (YELLOW) LF	646.1020 LINE EPOXY 4-INCH (DOUBLE YELLOW) LF	646.3020 LINE EPOXY 8-INCH (WHITE SKIP 3' SEG. 9' GAP) LF	646.3020 LINE EPOXY 8-INCH (WHITE) LF	646.5020 ARROW EPOXY (TYPE 2) EACH	646.5020 ARROW EPOXY (BIKE LANE) EACH	646.5220 SYMBOL EPOXY (BIKE LANE) EACH	646.5320 RAILROAD CROSSING EPOXY EACH	646.6120 STOP LINE EPOXY 18-INCH LF	646.7120 DIAGONAL EPOXY 12-INCH (YELLOW) LF	646.7420 CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8120 CURB EPOXY LF	646.8220 ISLAND NOSE EPOXY EACH	646.8305 PARKING STALL PAINT (YELLOW) LF
0010	94+50 - 95+25	LT/RT	---	---	---	290	---	---	---	---	---	---	---	20	---	---	---	---
	95+25 - 100+00	LT/RT	600	32	---	660	50	150	3	2	2	---	60	82	425	65	2	32
	100+00 - 102+75	LT/RT	350	24	235	395	25	120	2	1	1	---	34	12	275	57	2	---
	102+75 - 102+95	LT/RT	---	---	---	33	---	---	---	---	---	---	---	---	---	---	---	---
	9+00 SN - 9+50 SN	LT/RT	---	---	---	235	---	---	---	---	---	---	16	6	---	---	---	---
	10+50 NN - 13+85 NN	LT/RT	---	---	265	340	26	100	2	---	---	1	31	---	210	30	2	---
	13+85 NN - 14+59 NN	LT/RT	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---
		SUBTOTALS	950	56	500	1,953	101	370	7	3	3	2	141	120	910	152	6	32
		TOTALS		3,459			471		10		3	2	141	120	910	152	6	32

TYPE II PERMANENT SIGNING - CATEGORY CODE 0010

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.] x H [IN.]	**637.2210** SIGNS TYPE II REFLECTIVE H [SF]	**637.2230** SIGNS TYPE II REFLECTIVE F (EA)	**634.0816** POSTS TUBULAR STEEL 2X2-INCH X 16-FT (EA)	**638.2602** REMOVING SIGNS TYPE II [EA]	**638.3000** REMOVING SMALL SIGN SUPPORTS [SF]	**638.2102** MOVING SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN NUMBER	REMARKS / NEW SIGN LOCATION
1	S1-1 (2M)	--	36 x 36	--	6.75	1	--	--	--	--	--
2	S16-9P (2M)	--	30 x 18	--	3.75	--	--	--	--	1	--
2A	R2-6P(2M)	FINES HIGHER	36 x 24	6.00	3.75	--	--	--	--	1	--
3	R1-1 (3)	--	36 x 36	7.46	--	1	1	1	--	--	--
4	J2-1	--	-- x --	--	--	--	1	1	--	--	--
5	J1-1 (2)	--	24 x 39	6.50	--	1	--	--	--	--	--
	M2-1	--	21 x 15	--	--	--	--	--	--	--	--
	M1-6	59	24 x 24	--	--	--	--	--	--	--	--
6	R2-1 (2S)	SL 25	24 x 30	5.00	--	1	1	1	--	--	--
7	R2-1 (2S)	SL 25	24 x 30	5.00	--	1	1	1	--	--	--
8	J4-1 (2)	--	24 x 48	8.00	--	1	1	1	--	--	--
	M4-3	--	24 x 12	--	--	--	--	--	--	--	--
	M3-4	--	24 x 12	--	--	--	--	--	--	--	--
	M1-4	12	24 x 24	--	--	--	--	--	--	--	--
9	R1-1 (3)	--	36 x 36	7.46	--	--	--	--	--	--	MOUNT ON SIGN SUPPORT UPRIGHT - STRUCTURE NUMBER: (S-64-607)
10	R1-1 (3)	--	36 x 36	7.46	--	--	--	--	--	--	MOUNT ON OVERHEAD SIGN SUPPORT - STRUCTURE NUMBER: (S-64-607)
11	J3-1 (2)	--	24 x 57	9.50	--	1	1	1	--	--	--
	M4-3	--	24 x 12	--	--	--	--	--	--	--	--
	M3-4	59	24 x 24	--	--	--	--	--	--	--	--
	M6-1	LEFT ARROW	21 x 21	--	--	--	--	--	--	--	--
12	J4-1 (2)	--	24 x 36	6.00	--	1	1	1	--	--	--
	M3-2	--	24 x 12	--	--	--	--	--	--	--	--
	M1-6	59	24 x 24	--	--	--	--	--	--	--	--
13	W10-1 (2)	--	36 x 36	--	9.00	1	--	--	--	--	--
14	R1-1	--	-- x --	--	--	--	1	--	--	--	ON EXISTING SIGN SUPPORT
15	R1-1	--	-- x --	--	--	--	1	--	--	--	ON EXISTING SIGN SUPPORT
16	R1-1 (3)	--	36 x 36	7.46	--	--	--	--	--	--	MOUNT ON SIGN SUPPORT UPRIGHT - STRUCTURE NUMBER: (S-64-605)
17	R1-1 (3)	--	36 x 36	7.46	--	--	--	--	--	--	MOUNT ON OVERHEAD SIGN SUPPORT - STRUCTURE NUMBER: (S-64-605)
18	J3-2 (2)	--	48 x 69	23.00	--	3	1	1	--	--	--
	M4-3	--	24 x 12	--	--	--	--	--	--	--	--
	M3-4	--	24 x 12	--	--	--	--	--	--	--	--
	M1-4	12	24 x 24	--	--	--	--	--	--	--	--
	M6-1	AHEAD ARROW	21 x 21	--	--	--	--	--	--	--	--
	M3-2	--	24 x 12	--	--	--	--	--	--	--	--
	M1-6	59	24 x 24	--	--	--	--	--	--	--	--
	M6-1	RIGHT ARROW	21 x 21	--	--	--	--	--	--	--	--
19	R7-51L (2S)	--	18 x 24	3.00	--	1	1	1	--	--	MOUNT AT 45°
20	W3-1 (2S)	--	36 x 36	--	9.00	1	1	1	--	--	--
21	R2-1	--	-- x --	--	--	--	1	1	--	--	--
22	W3-1 (2S)	--	36 x 36	--	9.00	1	1	1	--	--	--

TYPE II PERMANENT SIGNING - CATEGORY CODE 0010

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II REFLECTIVE F (EA)	634.0816 POSTS TUBULAR STEEL 2X2-INCH X 16-FT (EA)	638.2602 REMOVING SIGNS TYPE II [EA]	638.3000 REMOVING SMALL SIGN SUPPORTS [SF]	638.2102 MOVING SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN NUMBER	REMARKS / NEW SIGN LOCATION
23	J3-2 (2)	--	48 x 69	23.00	--	3	1	1	--	--	--
	M3-2	--	24 x 12	--	--	--	--	--	--	--	--
	M1-6	59	24 x 24	--	--	--	--	--	--	--	--
	M6-1	LEFT ARROW	21 x 21	--	--	--	--	--	--	--	--
	M3-4	--	24 x 12	--	--	--	--	--	--	--	--
	M1-6	--	24 x 24	--	--	--	--	--	--	--	--
	M6-1	--	21 x 21	--	--	--	--	--	--	--	--
	M4-3	--	24 x 12	--	--	--	--	--	--	--	--
	M3-2	--	24 x 12	--	--	--	--	--	--	--	--
	M1-4	12	24 x 24	--	--	--	--	--	--	--	--
	M6-1	AHEAD ARROW	21 x 21	--	--	--	--	--	--	--	--
24	R1-1 (3)	--	36 x 36	7.46	--	--	--	--	--	--	MOUNT ON SIGN SUPPORT UPRIGHT - STRUCTURE NUMBER: (S-64-606)
25	R1-1 (3)	--	36 x 36	7.46	--	--	--	--	--	--	MOUNT ON OVERHEAD SIGN SUPPORT - STRUCTURE NUMBER: (S-64-606)
26	R1-1	--	-- x --	--	--	--	1	--	--	--	ON EXISTING SIGN SUPPORT
27	R1-1	--	-- x --	--	--	--	1	--	--	--	ON EXISTING SIGN SUPPORT
28	R1-1	--	-- x --	--	--	--	1	1	--	--	--
29	R1-1 (3)	--	36 x 36	7.46	--	1	1	1	--	--	--
30	J4-2 (2)	--	48 x 48	16.00	--	2	1	1	--	--	--
	M4-3	--	24 x 12	--	--	--	--	--	--	--	--
	M3-2	--	24 x 12	--	--	--	--	--	--	--	--
	M1-4	12	24 x 24	--	--	--	--	--	--	--	--
	M3-4	--	24 x 12	--	--	--	--	--	--	--	--
	M1-6	59	24 x 24	--	--	--	--	--	--	--	--
31	R7-51R (2S)	--	18 x 24	3.00	--	1	1	1	--	--	MOUNT AT 45º
32	J2-2 (2)	--	48 x 69	23.00	--	3	1	1	--	--	--
	M4-3	--	24 x 12	--	--	--	--	--	--	--	--
	M3-4	--	24 x 12	--	--	--	--	--	--	--	--
	M1-4	12	24 x 24	--	--	--	--	--	--	--	--
	M6-1	AHEAD ARROW	21 x 21	--	--	--	--	--	--	--	--
	M3-2	--	24 x 12	--	--	--	--	--	--	--	--
	M1-6	59	24 x 24	--	--	--	--	--	--	--	--
	M5-1R	--	21 x 21	--	--	--	--	--	--	--	--
33	R2-1 (2S)	SL 25	24 x 30	5.00	--	1	--	--	--	--	--
34	J3-2 (2)	--	48 x 69	23.00	--	3	--	--	--	--	--
	M4-3	--	24 x 12	--	--	--	--	--	--	--	--
	M3-2	--	24 x 12	--	--	--	--	--	--	--	--
	M1-4	12	24 x 24	--	--	--	--	--	--	--	--
	M6-1	LEFT ARROW	21 x 21	--	--	--	--	--	--	--	--
	M4-3	--	24 x 12	--	--	--	--	--	--	--	--
	M3-4	--	24 x 12	--	--	--	--	--	--	--	--
	M1-4	12	24 x 24	--	--	--	--	--	--	--	--
	M6-1	RIGHT ARROW	21 x 21	--	--	--	--	--	--	--	--
35	W3-1 (2S)	--	36 x 36	--	9.00	1	1	1	--	--	--
36	W3-1 (2S)	--	36 x 36	--	9.00	1	1	--	--	--	EXISTING ON UTILITY POLE
37	R1-1 (3)	--	36 x 36	7.46	--	1	1	1	--	--	--
38	S1-1 (2M)	--	36 x 36	--	6.75	1	1	1	--	--	--
39	S16-7L (2M)	--	30 x 18	--	3.75	--	1	--	--	38	--
40	R5-2 (2)	--	24 x 24	4.00	--	1	1	1	--	--	--
41	S1-1 (2M)	--	36 x 36	--	6.75	1	--	--	--	--	--
42	S16-7L (2M)	--	30 x 18	--	3.75	--	--	--	--	41	--

TYPE II PERMANENT SIGNING - CATEGORY CODE 0010

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	**637.2210** SIGNS TYPE II REFLECTIVE H [SF]	**637.2230** SIGNS TYPE II REFLECTIVE F (EA)	**634.0816** POSTS TUBULAR STEEL 2X2-INCH X 16-FT (EA)	**638.2602** REMOVING SIGNS TYPE II [EA]	**638.3000** REMOVING SMALL SIGN SUPPORTS [SF]	**638.2102** MOVING SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN NUMBER	REMARKS / NEW SIGN LOCATION
43	S1-1 (2M)	--	36	x	36	--	6.75	1	--	--	--	--	--
44	S16-7L (2M)	--	30	x	18	--	3.75	--	--	--	--	43	--
45	S1-1	--	--	x	--	--	--	--	1	1	--	--	--
46	R10-7 (2)	--	24	x	30	5.00	--	1	--	--	--	--	--
47	W10-1 (2)	--	36	x	36	--	7.07	1	1	1	--	--	--
48	W10-1	--	--	x	--	--	--	--	2	1	--	--	--
	R8-8	--	--	x	--	--	--	--	--	--	--	--	--
49	R8-8 (2)	--	24	x	30	5.00	--	1	--	--	--	--	--
50	R8-8 (2)	--	24	x	30	5.00	--	1	--	--	--	--	--
51	S1-1 (2M)	--	36	x	36	--	6.75	1	1	1	--	--	--
52	S16-9P (2M)	--	30	x	18	--	3.75	--	1	--	--	51	--
53	R1-1 (3)	--	36	x	36	7.46	--	1	1	1	--	--	--
		--	--	x	--	--	--	--	--	--	--	--	--
		--	--	x	--	--	--	--	--	--	--	--	--
		--	--	x	--	--	--	--	--	--	--	--	--
		--	--	x	--	--	--	--	--	--	--	--	--
		--	--	x	--	--	--	--	--	--	--	--	--
		--	--	x	--	--	--	--	--	--	--	--	--
		--	--	x	--	--	--	--	--	--	--	--	--
TOTALS						258.60	108.32	42	35	27	0	--	--

SHEET 3 OF 3

OVERHEAD SIGN SUPPORTS - MISC QUANTINITES **3110-06-70** **STH 59**

LOCATION	**641.8100.01** OVERHEAD SIGN SUPPORT STRUCTURE S-64-605 L.S.	**641.8100.02** OVERHEAD SIGN SUPPORT STRUCTURE S-64-606 L.S.	**641.8100.03** OVERHEAD SIGN SUPPORT STRUCTURE S-64-607 L.S.
STA 99+40 EB	1		
STA 100+60 WB		1	
STA 10+50 SB			1
TOTAL	1	1	1

OVERHEAD SIGN SUPPORTS - MISC QUANTINITES **3110-06-70** **STH 59**

LOCATION	**SPV.0105.02** REMOVING OVERHEAD SIGN SUPPORTS STA 99+60 L.S.	**SPV.0105.03** REMOVING OVERHEAD SIGN SUPPORTS STA 100+35 L.S.
E. MILWAUKEE STREET EB	1	
E. MILWAUKEE STREET WB		1
TOTAL	1	1

CONSTRUCTION STAKING

CATEGORY	STATION	LOCATION	650.4500 SUBGRADE LF	650.5000 BASE LF	650.7000 CONCRETE PAVEMENT LF	650.9920 SLOPE STAKES LF
0010	95+25.00 - 100+00.00	MILWAUKEE ST.	475	---	475	475
	100+00.00 - 102+75.0	STH 59/MILWAUKEE ST.	275	---	275	275
	9+00 E - 10+00 E	ESTERLY ST.	100	---	100	100
	7+84.5 SN - 10+00 SN	S. NEWCOMB ST.	215	97	120	215
	10+00 NN - 13+85 NN	STH 59/N. NEWCOMB ST.	385	48	340	385
	TOTALS		1,450	145	1,310	1,450

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL

CATEGORY	PROJECT	650.9910 LS
0010	3110-06-70	1

CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS

CATEGORY	PROJECT	650.8500 LS
0020	3110-06-70	1

TRAFFIC SIGNAL PULL BOXES

CATEGORY	PULL BOX NO.	STATION	LOCATION	653.0120 PULL BOXES STEEL 18x24-INCH EACH	653.0130 PULL BOXES STEEL 18x36-INCH EACH	653.0140 PULL BOXES STEEL 24x42-INCH EACH	653.0164 PULL BOXES NON-CONDUCTIVE 24x42-INCH EACH
0020	PB-1	97+28	31.0' RT	1	---	---	---
	PB-2	99+22	31.0' RT	---	---	---	1
	PB-3	99+22	3.0' LT	---	---	---	1
	PB-4	99+22	31.0' LT	---	---	---	1
	PB-5	10+68 NN	32.3' LT	---	---	---	1
	PB-6	10+68 NN	0.0' RT	---	1	---	---
	PB-7	10+68 NN	31.0' RT	---	---	---	1
	PB-8	100+77	26.0' LT	---	---	---	1
	PB-9	100+77	8.0' RT	---	---	1	---
	PB-10	100+76	36.8' RT	---	---	---	1
	PB-11	9+44 SN	25.1' RT	---	---	---	1
	PB-12	9+23 SN	22.5' RT	1	---	---	---
	PB-13	9+47 SN	22.1' LT	---	---	---	1
	PB-14	102+77	26.0' LT	1	---	---	---
	PB-15	12+52 NN	20.1' LT	1	---	---	---
	PB-16	13+04 NN	20.7' LT	1	---	---	---
			TOTALS	5	1	1	9

TRAFFIC SIGNAL CONDUIT SUMMARY

CATEGORY	LOCATION FROM	LOCATION TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0605 CONDUIT SPECIAL 2-INCH LF
0020	PB-1	PB-2	195	---	---
	PB-2	PB-3	---	68	---
	PB-3	PB-4	---	56	---
	PB-4	STUB	---	120	---
	STUB	PB-5	---	31	---
	PB-5	PB-6	---	65	---
	PB-5	PB-15	---	120	---
	PB-15	PB-16	---	---	52
	PB-6	PB-7	---	62	---
	PB-7	PB-8	---	125	---
	PB-8	PB-9	---	68	---
	PB-8	PB-14	200	---	---
	PB-9	PB-10	---	58	---
	PB-10	PB-11	---	110	---
	PB-11	PB-12	21	---	---
	PB-11	PB-13	---	95	---
	PB-13	PB-2	---	125	---
		TOTALS	416	1,103	52

LOOP DETECTOR INSTALLATION

CATEGORY	INTERSECTION	LOOP NO.	STATION	LOCATION	SIZE FT x FT	652.0800 CONDUIT LOOP DETECTOR LF	SSD INSTALLATION REFERENCE
0020	E. MILWAUKEE STREET AND NEWCOMB STREET	11	99+47	6.5' RT	6X20	65	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		12	99+19	6.5' RT	6X20	65	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		21	100+52	12.5' LT	6X20	72	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		22	102+81	6.6' LT	6X6	54	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		41	10+45 NN	20.5' LT	6X20	68	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		42	12+50 NN	8' LT	6X6	39	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		51	100+52	1.5' LT	6X20	64	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		52	100+80	1.5' LT	6X20	64	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		61	99+47	17.5' RT	6X20	71	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		62	97+23	17.5' RT	6X6	46	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		71	10+45 NN	8.5' LT	6X20	62	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		72	10+73 NN	8.5' LT	6X20	63	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		81	9+49 SN	12.2' RT	6X20	72	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		82	9+21 SN	9.7' RT	6X20	72	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
					TOTAL	877	

SAWING

CATEGORY	STATION - STATION	LOCATION	ASPHALT 690.0150 LF	* CONCRETE 690.0250 LF
0010	95+25 - 100+00	LT	345	28
	95+25 - 100+00	RT	290	29
	100+00 - 102+75	LT	---	105
	100+00 - 102+75	RT	---	8
	9+00 E - 9+50 E	LT	44	---
	9+00 E - 9+50 E	RT	17	---
	7+84.5 SN - 9+50 SN	LT	77	---
	7+84.5 SN - 9+50 SN	RT	92	---
	10+50 NN - 13+85 NN	LT	130	32
	10+50 NN - 13+85 NN	RT	125	89
	TOTALS		1,120	291

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONSTRUCTION STAKING CURB RAMPS

CATEGORY	STATION	LOCATION	650.9000 EACH
0010	95+25 - 100+00	MILWAUKEE ST.	4
	100+00 - 102+75	STH 59/MILWAUKEE ST.	2
	8+95 E - 10+00 E	ESTERLY ST.	2
	7+84.5 SN - 10+00 SN	S. NEWCOMB ST.	2
	10+00 NN - 13+85 NN	STH 59/N. NEWCOMB ST.	10
		TOTAL	20

FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\030206_mq.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 43

CAB D SLIDE 173

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

TRANSPORTATION PROJECT PLAT TITLE SHEET

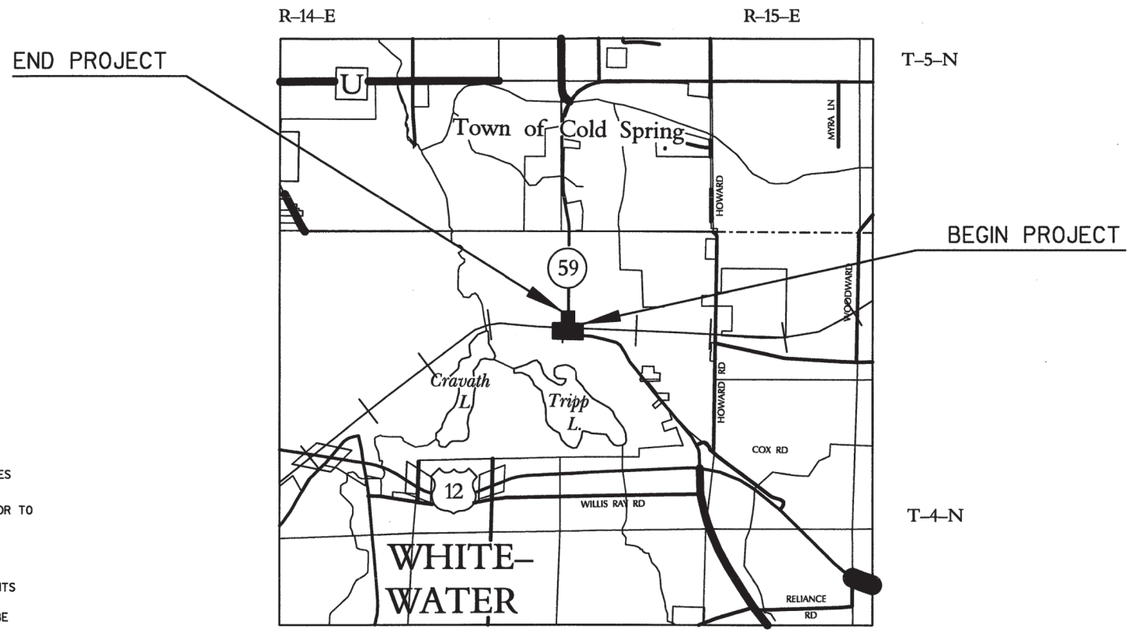
3110-06-20

MILWAUKEE STREET, CITY OF WHITEWATER

STH 59

NEWCOMB STREET INTERSECTION

WALWORTH COUNTY



NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, WALWORTH COUNTY, NAD83 (2007) ADJUSTMENT, USING THE WISCORS NETWORK. THE COORDINATES SHOWN ARE GRID. COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT. DISTANCES ARE GROUND.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED BY WISDOT SE REGION - SURVEY PRIOR TO THE COMPLETION OF THE PROJECT.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLE'S ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHT TO MAKE OR CONSTRUCT IMPROVEMENT ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

A HIGHWAY EASEMENT (HE) IS AN EASEMENT FOR HIGHWAY PURPOSES, AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLAN THEREON ANY VEGETATION THT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

N

LAYOUT
SCALE 0 ½ MI.

TOTAL NET LENGTH OF CENTERLINE = 0.127 MI.

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION	AP	REFERENCE LINE	R/L
ACCESS RIGHTS	AR	RELEASE OF RIGHTS	ROR
ACRES	AC.	REMAINING	REM.
AND OTHERS	ET.AL.	RIGHT-OF-WAY	R/W
BUILDING	B.	SECTION	SEC.
CENTERLINE	C/L	SHED	S.
CERTIFIED SURVEY MAP	CSM	STATION	STA.
CORNER	COR.	TEMPORARY LIMITED EASEMENT	TLE
DOCUMENT	DOC.	VOLUME	V.
EASEMENT	EASE.	**CURVE DATA**	
HIGHWAY EASEMENT	H.E.	LONG CHORD	LCH
HOUSE	H.	LONG CHORD BEARING	LCB
LAND CONTRACT	LC	RADIUS	R
MONUMENT	MON.	DEGREE OF CURVE	D
PAGE	P.	CENTRAL ANGLE OR DELTA	DELTA
PERMANENT LIMITED EASEMENT	PLE	LENGTH OF CURVE	L
PROPERTY LINE	PL	TANGENT	TAN
RECORDED AS	(100')		

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	● (● UNLESS NOTED)	PROPOSED R/W LINE	———
		EXISTING H.E. LINE	——— —
R/W MONUMENT	● (SET)	PROPERTY LINE	——— - -
R/W STANDARD	▲ (SET)	LOT & TIE LINES	-------
SIGN	SIGN	SLOPE INTERCEPTS	--------
SECTION CORNER MONUMENT	●	CORPORATE LIMITS	//////////
SECTION CORNER SYMBOL	(SEC. COR. NO.)	NO ACCESS (BY PREVIOUS ACQUISITION/CONTROL)	◆◆◆◆◆◆
FEE (HATCH VARIES)		NO ACCESS (BY ACQUISITION)	|||||||
TEMPORARY LIMITED EASEMENT		NO ACCESS (BY STATUTORY AUTHORITY)	●●●●●●●
PERMANENT LIMITED EASEMENT		SECTION LINE	———
R/W BOUNDARY POINT	RWB20	QUARTER LINE	———
PARCEL NUMBER	02	SIXTEENTH LINE	———
UTILITY PARCEL NUMBER	92	EXISTING CENTERLINE	—·—·—
SIGN NUMBER (OFF PREMISE)	21	PROPOSED REFERENCE LINE	
BUILDING		PARALLEL OFFSET	

CONVENTIONAL UTILITY SYMBOLS

WATER	W	
GAS	G	
TELEPHONE	T	
OVERHEAD TRANSMISSION LINES	OH	
ELECTRIC	E	
CABLE TELEVISION	TV	
FIBER OPTIC	FO	
SANITARY SEWER	SAN	
STORM SEWER	SS	
	NON COMPENSABLE	COMPENSABLE
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		
ELECTRIC TOWER		

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3110-06-20 - 4.01
SHEET 2 OF 2
AMENDMENT NO: 62

FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\TPP\040101_rt.DGN
APPRAISAL PLAT DATE : 08/24/2012
PLOT DATE : 10/3/2012
PLOT BY : _username_
PLOT NAME :
PLOT SCALE : $$.....plotscale.....$$

CONSTRUCTION ID 3110-06-70 RW ID 3110-06-20 4.01

884069

CAB D SLIDE 177

TRANSPORTATION PROJECT PLAT NO: 3110-06-20 - 4.01 AMENDMENT NO. 1

REMOVES PARCEL 3 AND UTILITY NUMBER 202 AND AMENDS PARCELS 4 & 5 OF TRANSPORTATION PROJECT PLAT 3110-06-20-4.01 RECORDED AS DOCUMENT NO. 852865 AND FILED IN CABINET D, SLIDE 172 IN THE OFFICE OF THE REGISTER OF DEEDS IN WALWORTH COUNTY.

THAT PART OF THE GEORGE ESTERLY LOT AND LOTS 9 - 14 OF BLOCK 9, AND ALSO LOTS 1, 2, 3, & 4 OF BLOCK 10, ALL IN S.C. HALL'S ADDITION, AND OTHER LAND IN THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 3; AND A PART OF LOT 1 OF C.S.M. 1274, LOT 1 OF C.S.M. 4231, AND OTHER LAND IN THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 4, ALL IN TOWNSHIP 4 NORTH, RANGE 15 EAST, CITY OF WHITEWATER, WALWORTH COUNTY, WISCONSIN.

RELOCATION ORDER STH 59 WALWORTH COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF WHITEWATER DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF WHITEWATER HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE ACQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF WHITEWATER, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

NOTE: DISTANCES FROM BUILDINGS TO HIGHWAY EASEMENT LINE ARE APPROXIMATE.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3110-06-20 4.01
AMENDMENT NO: 1

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN Walworth COUNTY, WISCONSIN AT 1:12PM ON 5-1-2014 AS DOCUMENT # 884069 AND FILED IN C.S.M. D SLIDE 177

SIGNATURE OF REGISTER OF DEEDS

NONE OF THE ORIGINAL PLATS SHOW A WIDTH FOR NEWCOMB ST. EAST OF THE SECTION LINE. USING FOUND MONUMENTATION THE WIDTH EAST OF THE SECTION LINE IS 27 FEET. FOR A TOTAL WIDTH OF 60 FEET AS MEASURED.

ROAD NAME	BASIS OF EXISTING R/W	DATE	WIDTH
E. MILWAUKEE ST.(E. OF S. NEWCOMB ST.)	LLOYD JENSEN PLAT OF SURVEY 10-69J	1950	66'
E. MAIN ST.	TRIPP'S SECOND ADDITION	1861	66'
E. MILWAUKEE ST.(W. OF S. NEWCOMB ST.)	CERTIFIED SURVEY MAP NO. 1274	1983	66'
E. MILWAUKEE ST.(W. OF S. NEWCOMB ST.)	TRIPP'S SECOND ADDITION	1861	66'
S. ESTERLY ST.	ESTERLY ADDITION	1983	59.4'
S. NEWCOMB ST.(EAST OF SECTION LINE)	HAROLD KOLB PLAT OF SURVEY 10-17O	1960	MEASURES 27'
S. NEWCOMB ST.(EAST OF SECTION LINE)	QUIT CLAIM DEED VOL. 650 P. 6941	1997	MEASURES 27'
NEWCOMB ST.(WEST OF SECTION LINE)	ESTERLY'S LAND SUBDIVISION AT WHITEWATER	1917	33'

N.E. COURSE TABLE		
RW48-NE28	S 0° 37'04" W	68.71'
NE26-NE27	S 5° 27'39" E	33.42'
NE27-NE28	S 86° 39'34" E	3.04'
NE7-NE8	S 3° 14'15" W	3.00'
NE8-NE9	N 86° 45'42" W	15.38'
NE9-RW93	N 82° 19'43" W	27.21'
RW93-NE10	N 82° 19'43" W	33.25'
NE10-NE11	N 45° 57'59" W	9.87'
NE12-NE13	S 86°54'21" W	53.63'
NE13-NE14	S 74° 41'07" W	8.69'
NE14-NE15	S 2° 36'49" W	25.34'
NE15-NE17	N 2° 36'49" E	5.82'
NE19-NE20	N 0° 37'04" E	19.84'
NE20-NE21	S 89° 28'56" E	12.00'
NE21-NE22	N 0° 37'04" E	75.93'
NE23-RW4	N 0° 37'04" E	14.45'
NE28-NE1	S 6° 19'30" E	68.27'
NE3-1248	S 86° 37'19" E	98.83'
1248-NE30	N 2° 39'06" W	1.17'
RW83-RW82	N 0° 37'04" E	294.51'
NE29-NE32	N 86° 45'42" W	24.20'
NE32-NE33	N 3° 14'18" E	2.00'

T.L.E. COURSE TABLE		
NE15-RW20	N 34° 55'08" W	34.39'
RW20-RW43	N 39° 09'55" E	13.60'
RW43-RW55	S 87° 15'12" E	339.38'
RW55-NE10	S 0° 37'04" W	9.14'
TLE23-TLE24	N 87° 23'11" W	98.35'
TLE24-TLE25	N 3° 11'36" E	3.34'
TLE26-TLE27	S 2° 28'05" W	3.07'
TLE27-TLE28	N 87° 23'11" W	71.37'
TLE28-TLE29	S 86° 54'21" W	43.43'
TLE29-TLE30	S 2° 36'49" W	25.35'
TLE30-TLE31	S 3.4° 55'08" E	34.99'
TLE31-TLE32	S 88° 39'43" W	15.00'
TLE32-NE15	N 34° 55'08" W	51.43'
NE23-RW23	S 0° 37'04" W	202.43'
RW23-NE16	N 87° 15'12" W	437.08'
TLE35-TLE36	S 87° 23'11" E	68.01'
TLE36-TLE37	N 0° 37'04" E	30.52'
TLE37-TLE38	N 86° 39'41" E	23.05'
TLE38-TLE39	N 0° 11'36" W	104.08'
TLE39-TLE40	S 89° 50'12" W	3.70'
TLE40-TLE42	N 0° 37'04" E	41.48'

T.L.E. COURSE TABLE		
1248-TLE1	N 1° 39'06" W	14.22'
TLE1-TLE10	S 89° 45'42" E	7.17'
TLE6-TLE7	S 25° 10'53" E	20.04'
TLE7-NE27	N 86° 39'34" W	26.85'
NE27-RW58	N 86° 39'34" W	4.06'
RW4-NE23	S 0° 37'04" W	14.45'
NE28-TLE7	S 86° 39'34" E	23.85'
TLE1-TLE11	S 86° 45'42" E	92.83'
1248-NE3	N 88° 37'19" W	98.83'

T.L.E. COURSE TABLE		
TLE2-TLE3	S 0° 37'04" W	10.44'
TLE3-TLE4	S 89° 56'42" W	4.45'
TLE4-TLE5	S 0° 03'30" W	74.49'
TLE5-TLE6	N 89° 48'18" E	17.85'
TLE10-TLE12	S 3° 14'18" W	3.00'
NE3-RW51	N 88° 37'19" W	48.59'
RW51-RW58	N 0° 37'04" E	103.84'
TLE8-TLE9	S 3° 14'18" W	48.64'
RW30-RW96	S 86° 37'13" E	254.30'
TLE17-TLE18	S 73° 04'21" W	29.27'
TLE18-TLE19	S 0° 37'04" W	60.48'
TLE20-TLE20	N 89° 28'56" W	10.00'
TLE20-NE3	N 0° 37'04" E	72.18'
NE3-RW30	N 0° 37'04" E	18.20'
TLE2-RW48	N 86° 48'49" W	8.43'
TLE42-RW4	S 86° 42'25" E	11.60'
NE24-TLE42	N 86° 42'25" W	9.52'
RW58-NE26	N 0° 37'04" E	32.97'
RW48-NE26	N 0° 37'04" E	98.72'
RW58-NE28	S 86°39'34" E	7.30'
TLE44-TLE45	N 86°45'42" W	25.00'
TLE45-TLE46	N 3°14'18" E	7.00'

P.I. 100+00.00
Y = 423,951.393
X = 715,724.600
DELTA = 0° 37'29" RT.

P.I. 11+47.76 NN
Y = 424,098.830
X = 715,731.566
DELTA = 5° 08'30" RT.

P.O.T. 10+00.00 SN
Y = 423,951.474
X = 715,722.818

P.I. 12+48.18 NN
Y = 424,198.925
X = 715,723.471
DELTA = 5° 08'30" LT.

P.O.T. 10+00.00 NN
Y = 423,951.074
X = 715,730.231

P.I. STA. 9+26.91 E
Y = 423,895.26
X = 715,328.80
Δ = 37° 31'57" (RT)
D = 139° 44'45"
T = 13.93'
L = 26.86'
R = 41.00'
PC = 9+12.98 E
PT = 9+39.83 E

WE-ENERGIES - ELECTRIC		
PARCEL	VOLUME	DOCUMENT
2	V.632 P.265 / 234246	

CHARTER COMMUNICATIONS		
PARCEL	VOLUME	DOCUMENT
2	NO RECORD OF EASEMENT	

CITY OF WHITEWATER - SEWER		
PARCEL	VOLUME	DOCUMENT
5	NO RECORD OF EASEMENT	

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES OR S.F. REQUIRED NEW	EXISTING	TOTAL	TLE	HE
1	FRAWLEY ENTERPRISES OF WHITEWATER LIMITED PARTNERSHIP	H.E., T.L.E.	---	---	---	0.15	0.04
2	FRAWLEY ENTERPRISES OF WHITEWATER LIMITED PARTNERSHIP	H.E.,A.R.&T.L.E.	---	---	---	0.21	0.06
4	SCHENCK PROCESS LLC.	H.E., T.L.E.	---	---	---	0.15	1132 S.F.
5	MERLIN N. HARE	H.E., T.L.E.	---	---	---	0.12	0.04
6	MICHAEL D. KOWALSKI & LUCINDA R. KOWALSKI, VENDOR CHARLES P. MILLS, III & JEAN M. MILLS, PURCHASER	H.E., T.L.E.	---	---	---	0.08	0.04

UTILITY SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST.

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
200	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
201	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
203	CITY OF WHITEWATER - SEWER	RELEASE OF RIGHTS

BLOCK 8 TRIPP'S ADDITION

BLOCK 1 S.C. HALL'S ADDITION

BRASS CAP IN CONC. Y=424,942.908 X=715,734.779

T 4 N, R 15 E, 4 3

NW-SW 3

EAST MAIN ST. (FORMERLY STATE ST.)

NORTH NEWCOMB ST STH 59

SOUTH NEWCOMB ST

S. BISHOP ST.

TAFT ST.

E. MILWAUKEE ST.

E. MILWAUKEE ST., STH 59

S. ESTERLY ST.

NE-SE 4

SW-SW 3

WHITEWATER

LOT J. C.S.M. 2881 VOL. 15, P. 86

LOT 2 C.S.M. 2881 VOL. 15, P. 86

LOT 3 C.S.M. 2881 VOL. 15, P. 86

LOT 1 C.S.M. 1274 VOL. 6, P. 54-55 DOC. 89541

LOT 2 C.S.M. 1274 VOL. 6, P. 54

LOT 1 C.S.M. 4231 VOL. 27, P. 66 DOC. 760095

LOT 1 C.S.M. 4005 VOL. 24, P. 141

GEORGE ESTERLY LOT

LOTS 1 - 14

LOTS 1 - 4

"PARCEL 5" DOC. NO. 834431

"PARCEL 6" DOC. NO. 834431

"PARCEL 4" DOC. NO. 834431

HIGHWAY EASEMENT 67 S.F.

HIGHWAY EASEMENT 0.04 AC.

HIGHWAY EASEMENT 0.12 AC.

HIGHWAY EASEMENT 1065 S.F.

HIGHWAY EASEMENT 0.06 AC.

T.L.E.-GRADING 0.21 AC.

T.L.E.-GRADING 0.33 AC.

T.L.E.-GRADING 0.08 AC.

T.L.E.-SLOPES 0.02 AC.

T.L.E.-SLOPES 0.15 AC.

NOTE: REFERENCE LINE AND R/W LINE ARE NOT PARALLEL

NOTE: REFERENCE LINE AND R/W LINE ARE NOT PARALLEL

ALLEY 20' STATED WIDTH APPARENT WIDTH OF 19.8'

0 50 100

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, WALWORTH COUNTY, NAD83 (2007) ADJUSTMENT, USING THE WISCORS NETWORK. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT. DISTANCES ARE GROUND.

WITNESS CORNER BRASS CAP IN CONC. Y=422,984.702 X=715,717.079 (CORNER IS IN TRIPP LAKE)

T 4 N, R 15 E, 4 3 9 10

STRAND ASSOCIATES, INC.®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, TERRANCE L. GENSKE, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 62.22 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF WHITEWATER, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 3110-06-20-4.01 AMENDMENT NO. 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

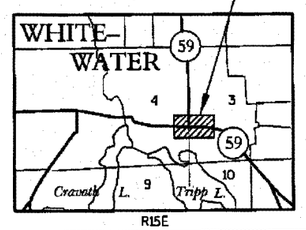
(SIGNATURE) _____ DATE 4/9/2014
(PRINTED NAME) Terrance L. Genske
(REGISTRATION NUMBER) S-1443

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF WHITEWATER.
(SIGNATURE) _____ DATE 4/29/14
(PRINTED NAME) Cameron Clapper

WISCONSIN TERRANCE L. GENSKE S-1443 WAUKESHA LAND SURVEYOR

Doc # 884069
Recorded
May 01, 2014 11:12A AM
FILED
DONNA M ROGERS
REGISTER OF DEEDS
WALWORTH COUNTY, WI
Fee Amount: $15.00
Total Pages: 1

SHEET 4.01



CURVE 1
L.C. = 38.21'
L.C.B. = S 22° 38'39" E
R. = 68.00'
L. = 38.74'

CURVE 2
L.C. = 20.82'
L.C.B. = S 60° 47'28" E
R. = 28.00'
L. = 21.33'

CURVE 3
L.C. = 70.65'
L.C.B. = N 79° 25'04" E
R. = 159.38'
L. = 71.24'

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT NO. 852865 AND FILED IN CABINET D, SLIDE 172 AT THE WALWORTH COUNTY REGISTER OF DEEDS.

FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\TPP\040102_rp.dgn
APPRAISAL PLAT DATE : 08/24/2012
PLOT DATE : 4/9/2014 PLOT BY : _username_ PLOT NAME : PLOT SCALE : **.....plotscale.....**
CONSTRUCTION ID 3110-06-70 RW ID 3110-06-20-4.01 AMENDMENT NO. 1

PI STA. 90+00.00
Y: 423,996.99
X: 714,725.64

CITY OF WHITEWATER (WATER)

CITY OF WHITEWATER (SANITARY SEWER)

R/W

S 87° 23' 11" E

BEGIN CONSTRUCTION
STA. 95+25
SAWCUT REQ'D
MATCH EXISTING

JOHN A. CORDIO

STA. 96+10 LT
CONSTRUCT 44' C.E.

FRAWLEY ENTERPRISES WHITEWATER

STA. 97+63 LT
CONSTRUCT 45' C.E.

STA. 98+53 LT
CONSTRUCT 35' C.E.

WE ENERGIES (GAS)

T.L.E.

H.E.

SIGN TO REMAIN

SLOPE INTERCEPTS (TYP.)

STA. 96+07.17
STA. 10+00.00 E

E. MILWAUKEE STREET

SB-1

MATCH LINE 99+00

S. ESTERLY STREET

WE ENERGIES (ELECTRIC)

STA. 97+00 RT
CONSTRUCT 35' C.E.

FRAWLEY ENTERPRISES WHITEWATER

STA. 98+78 RT
CONSTRUCT 35' C.E.

N

WESTBOUND PROFILE

EXISTING GROUND

828.32

+0.69% +0.50%

96+05.00 EL 828.87

PI 96+50.00 EL 829.18

96+95.00 EL 829.40

K = 479
L = 90'

MATCHLINE EASTBOUND

827.35 827.51 827.77 828.09 828.49 828.84 829.17 829.91

APPROXIMATE EXTENT OF PETROLEUM CONTAMINATED MATERIAL

SOIL BORING (HAZMAT)

SOIL BORING AND FORMER MONITORING WELL (HAZMAT)

SB-X GEOTECHNICAL BORING

EASTBOUND PROFILE

EXISTING GROUND

828.18

+0.80% +0.50%

96+05.00 EL 828.82

PI 96+50.00 EL 829.18

96+95.00 EL 829.40

K = 300
L = 90'

98+55.00 EL 830.20

+0.50%

PROPOSED PROFILE

827.19 827.35 827.51 827.77 828.09 828.38 828.78 829.16 829.43 829.68 829.93 830.18 830.45

828 826 824 838 836 834 832 830

93+00 94+00 95+00 96+00 97+00 98+00 99+00

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	PLAN AND PROFILE - E. MILWAUKEE ST.	SHEET E

FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\050101_pp.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 40

PI STA. 100+00.00
Y: 423,951.39
X: 715,724.60

PI STA. 102+75.00
Y: 423,935.86
X: 715,999.16

N

FRAWLEY ENTERPRISES
WHITEWATER

STA. 100+60 LT
REMOVE EXISTING C.E.

STA. 101+30 LT
CONSTRUCT 28' C.E.

MERLIN H. HARE

SCHENCK ACCURATE, INC.

CITY OF WHITEWATER
(WATER)

WE ENERGIES
(GAS)

SLOPE INTERCEPTS (TYP.)

STH 59 / N. NEWCOMB STREET

N 0° 31' 04" E

BM 1

WE ENERGIES
(ELECTRIC)

STA. 100+05.14
STA 10+00.00 NN

MATCH LINE 99+00

S 87° 23' 11" E

PI 100+00.00

STA 99+98.22
STA 10+00.00 SN

STH 59 / E. MILWAUKEE STREET

S 86° 45' 42" E

SB-2

SB-3

H.E.

T.L.E.

R/W

CITY OF WHITEWATER
(SANITARY SEWER)

AKEY RENTALS LLC.

REMOVING TIMBER
WALL REQ'D

CHARLES P. MILLS III

S. NEWCOMB STREET

FRAWLEY ENTERPRISES
WHITEWATER

BEGIN PROJECT
STA. 102+75
SAWCUT REQ'D
MATCH PROJECT ID 3110-02-71
Y: 423,935.86
X: 715,999.16

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1	100+41 29' LT	TOP NUT OF EXISTING HYDRANT	834.10
2	105+61 26' LT	TOP NUT OF EXISTING HYDRANT	837.85

APPROXIMATE EXTENT OF PETROLEUM CONTAMINATED MATERIAL

SOIL BORING (HAZMAT)

SOIL BORING AND FORMER MONITORING WELL (HAZMAT)

SB-x GEOTECHNICAL BORING

PROPOSED PROFILE

EXISTING GROUND

K = 372
L = 90'

99+45.00
EL 830.76

PI 99+00.00
EL 830.43

+0.74%

100+80.00
EL 831.77

K = 269
L = 90'

101+70.00
EL 832.58

+0.74%

+1.08%

PI 101+25.00
EL 832.10

102+05.00
EL 832.96

K = 193
L = 90'

+1.08%

PI 102+50.00
EL 833.45

+0.61%

102+75.00
EL. 833.59

SEE PROJECT ID 3110-02-71

838
836
834
832
830
828
826
824

830.83 830.45 | 831.01 830.80 | 831.20 831.17 | 831.57 831.54 | 831.98 831.91 | 832.38 832.37 | 832.94 832.91 | 833.43 833.42 | 833.73 | 833.93 | 834.14 | 834.39 | 834.62

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

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	PLAN AND PROFILE - E. MILWAUKEE ST.	SHEET 65	E

PI STA. 10+00.00 NN
Y: 423,951.07
X: 715,730.23

FRAWLEY ENTERPRISES
WHITEWATER

STA. 10+90 NN LT
REMOVE EXISTING C.E.

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1	100+41 29' LT	TOP NUT OF EXISTING HYDRANT	834.10

FRAWLEY ENTERPRISES
WHITEWATER

STA. 12+33 NN LT
CONSTRUCT 35' C.E.

WE ENERGIES
(ELECTRIC)

CITY OF WHITEWATER
(SANITARY SEWER)

SLOPE INTERCEPTS (TYP.)

STATE OF
WISCONSIN DEPARTMENT
OF TRANSPORTATION

WISCONSIN & SOUTHERN RAILROAD

RAILROAD MAST-MOUNTED
GATED SIGNALS

PI STA. 12+48.18 NN
Y: 424,198.93
X: 715,723.47

PI STA. 15+50.06 NN
Y: 424,500.79
X: 715,726.20

RUSSELL H. LASCH

MATCH
42.2' LT

STH 59 / N. NEWCOMB STREET

WE ENERGIES
(GAS)

SB-4

S. NEWCOMB STREET

STA 100+05.14
STA 10+00.00 NN

N 0° 31' 04" E

92°43'44"

PI 11+47.76 NN

N 3° 29' 11" W

PI 12+48.18 NN

N 0° 31' 04" E

SB-2

STH 59 / E. MILWAUKEE STREET

BM 1

AT&T
(COMMUNICATIONS)

CITY OF WHITEWATER
(WATER)

RAILROAD MAST-MOUNTED
GATED SIGNALS

CROSSING SURFACE WORK
BY OTHERS (62' MIN.)

SCHENCK ACCURATE, INC.

PI STA. 11+47.76 NN
Y: 424,098.83
X: 715,731.57

STA. 10+70 NN RT
REMOVE EXISTING C.E.

MERLIN H. HARE

STA. 11+43 NN RT
CONSTRUCT 70' SHARED C.E.

STATE OF
WISCONSIN DEPARTMENT
OF TRANSPORTATION

E. MAIN STREET

MATCH
41.5' RT

JOSH A. NICHOLS

END PROJECT
STA. 13+85 NN
SAWCUT REQ'D
MATCH EXISTING

CHARLES P. MILLS III

5

5

SOUTHBOUND PROFILE

NORTHBOUND PROFILE

APPROXIMATE EXTENT OF PETROLEUM CONTAMINATED MATERIAL

SOIL BORING (HAZMAT)

SOIL BORING AND FORMER MONITORING WELL (HAZMAT)

SB-x GEOTECHNICAL BORING

MATCHLINE NORTHBOUND

PROPOSED PROFILE

EXISTING GROUND

MATCH MAINLINE EDGE OF PAVEMENT

SB-4 SOIL BORING REFUSAL (TYP.)

10+00.00 EL 831.19
PI 10+07.00 EL 831.11
-1.19%
-1.50%
PI 10+22.50 EL 830.88
-0.50%
PI 10+32.50 EL 830.83
-0.30%
K = 100
L = 20'
10+42.50 EL 830.80
-0.30%
10+50.00 EL 830.78
K = 41
L = 40'
LP 10+62.26 EL 830.76
+0.68%
PI 10+70.00 EL 830.72
10+90.00 EL 830.86

831.23 831.19
830.70 830.78

10+00.00 EL 831.32
PI 10+07.00 EL 831.23
-1.16%
-1.56%
PI 10+22.00 EL 831.00
-1.56%
0.58%
10+50.00 EL 830.84
-0.58%
K = 32
L = 40'
LP 10+68.40 EL 830.79
+0.68%
10+90.00 EL 830.86
PI 10+70.00 EL 830.72

831.23 831.32
830.70 830.84
830.93 830.93

PI 12+60.00 EL 832.01
+0.68%
-0.38%
12+97.50 EL 831.87
K = 28
L = 25'
LP 13+08.21 EL 831.85
13+22.50 EL 831.88
-0.38%
+0.51%
PI 13+10.00 EL 831.82
832.20

12+47.50 EL 831.93
K = 24
L = 25'
12+72.50 EL 831.96

831.06 831.26
831.34 831.60
831.55 831.94
831.62 831.86
831.94 832.02
832.30
832.77

832 840
830 838
828 836
826 834
832 830
830 828
828 826
826 824

10+00 NN 11+00 NN 12+00 NN 13+00 NN 14+00 NN 15+00 NN

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	PLAN AND PROFILE - N. NEWCOMB STREET	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\050103_pp.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 40

CURVE 1
P.I. = 9+26.91 E
Y = 423,895.29
X = 715,328.80
DELTA = 37° 31' 57" (RT)
D = 139° 44' 45"
T = 13.93'
L = 26.86'
R = 41.00'
P.C. = 9+12.98 E
P.T. = 9+39.83 E

PI STA. 8+17.38 E
Y: 423,805.48
X: 715,391.49

PI STA. 10+00.00 E
Y: 423,969.31
X: 715,332.18

JOHN A. CORDIO

STA. 9+18 E
CONSTRUCT 26' C.E.

SLOPE INTERCEPTS (TYP.)

WE ENERGIES
(GAS)

CITY OF WHITEWATER
(SANITARY SEWER)

R/W

PC 9+12.98 E

CURVE 1

PT 9+39.83 E

9+00 E

+50 E

N 2° 36' 49" E

S. ESTERLY STREET

STA 96+07.17
STA 10+00.00 E

+50 E

N 34° 55' 08" W

Δ
90°00'00"

00+96

+50

CAUTION

T.L.E.

H.E.

WE ENERGIES
(ELECTRIC)

FRAWLEY ENTERPRISES
WHITEWATER

FRAWLEY ENTERPRISES WHITEWATER

BEGIN CONSTRUCTION
STA. 8+95.00 E
SAWCUT REQ'D
MATCH EXISTING

CITY OF WHITEWATER
(WATER)

E. MILWAUKEE STREET

91+00

SB-1

APPROXIMATE EXTENT OF PETROLEUM CONTAMINATED MATERIAL

SOIL BORING (HAZMAT)

SOIL BORING AND FORMER MONITORING WELL (HAZMAT)

SB-X GEOTECHNICAL BORING

PROPOSED PROFILE

K = 26
L = 65'

FOR INFORMATION ONLY

8+60.00
EL. 827.79

8+84.50 EL 827.64

LP 9+00.95
EL. 827.79

9+49.50 EL 828.03

9+90.14
EL. 828.84

-0.63%

+1.86%

+1.86%

+2.60%

EXISTING GROUND

PI 9+17.00
El 827.43

PI 9+55.00
El 828.14

827.84	827.82	827.74 827.70	827.73 827.58	827.80 827.69
827.85 828.04	828.48 828.54			

834 832 830 828 826 824 822 820

8+00 E 9+00 E 10+00 E

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	PLAN AND PROFILE - S. ESTERLY STREET	SHEET 67	E

FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\050104_pp.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 40

PI STA. 7+75.00 SN
Y: 423,726.49
X: 715,720.78

PI STA. 10+00.00 SN
Y: 423,951.47
X: 715,722.82

FRAWLEY ENTERPRISES WHITEWATER

STA. 9+00 SN LT
CONSTRUCT 35' C.E.

WE ENERGIES (ELECTRIC)

CITY OF WHITEWATER (SANITARY SEWER)

T.L.E.

R/W

E. MILWAUKEE STREET

STA .99+98.22
STA 10+00.00 SN

8+00 SN

+50 SN

9+00 SN

N 0° 31' 04" E

+50 SN

S. NEWCOMB STREET

87°16'46"

SB-2

CAUTION

N. NEWCOMB STREET / STH 59

+50 NN

11+00 NN

+50 NN

12+00

STH 59 / E. MILWAUKEE STREET

CITY OF WHITEWATER (WATER)

WE ENERGIES (GAS)

H.E.

P.L.

T.L.E.

MERLIN H. HARE

SLOPE INTERCEPTS (TYP.)

WE ENERGIES (GAS)

CHARLES P. MILLS III

BEGIN CONSTRUCTION
STA. 7+84.49 SN
SAWCUT REQ'D
MATCH EXISTING

APPROXIMATE EXTENT OF PETROLEUM CONTAMINATED MATERIAL

SOIL BORING (HAZMAT)

SOIL BORING AND FORMER MONITORING WELL (HAZMAT)

SB-X GEOTECHNICAL BORING

7+84.49 EL. 833.71

PI 8+10.00 EL 833.48

-0.90%

-2.70%

EXISTING GROUND

7+85.00 EL 833.70

K = 28
L = 50'

8+35.00 EL 832.80

8+70.00 EL 831.86

K = 28
L = 90'

PROPOSED PROFILE

LP 9+45.94
EL. 830.83

9+60.00 EL 830.87

10+00.00
EL. 831.34

-2.70%

+0.50%

+0.50%

+1.50%

PI 9+15.00
EL 830.65

PI 9+73.00
EL 830.94

8+00 SN	9+00 SN	10+00 SN
833.80 / 833.53	832.90 / 833.06	832.25 / 832.40
831.79 / 831.73	831.45 / 831.21	831.28 / 830.91
831.16 / 830.84	830.80 / 830.97	831.19 / 831.34

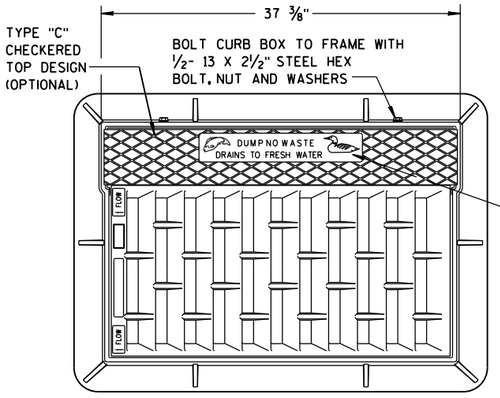
PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	PLAN AND PROFILE - S. NEWCOMB STREET	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\050105_pp.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 40

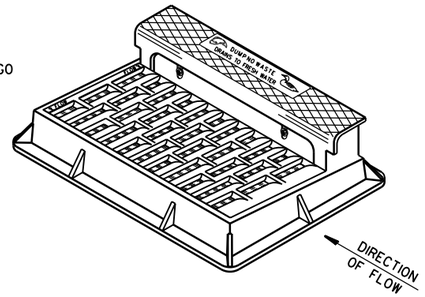
Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A09-02	CATCH BASINS 2X3-FT AND 2.5X3-FT
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08D01-20A	CONCRETE CURB & GUTTER
08D01-20B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-19A	CURB RAMPS TYPES 1 AND 1-A
08D05-19B	CURB RAMPS TYPES 2 AND 3
08D05-19C	CURB RAMPS TYPES 4A AND 4A1
08D05-19D	CURB RAMPS TYPE 4B AND 4B1
08D05-19E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-19F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-19G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B04-11	PULL BOX
09B16-01	PULL BOX NON-CONDUCTIVE
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
11B02-02	CONCRETE MEDIAN NOSE
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-09	URBAN DOWELED CONCRETE PAVEMENT
13C18-06A	CONCRETE PAVEMENT JOINTING
13C18-06B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-06C	CONCRETE PAVEMENT JOINT TYPES
13C18-06D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-04	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-04	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-14B	PAVEMENT MARKING WORDS
15C07-14C	PAVEMENT MARKING ARROWS
15C08-18A	LONGITUDINAL MARKING (MAINLINE)
15C08-18B	PAVEMENT MARKING (TURN LANES)
15C09-11A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C11-07A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-06	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-04	MEDIAN ISLAND MARKING
15C19-05A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C23-04	30" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE
15C27-02B	PAVEMENT MARKING (ISLANDS)
15C33-03	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-02A	PAVEMENT MARKING (INTERSECTIONS)
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-03A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-03B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-03C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING

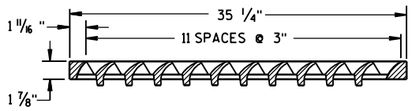
6

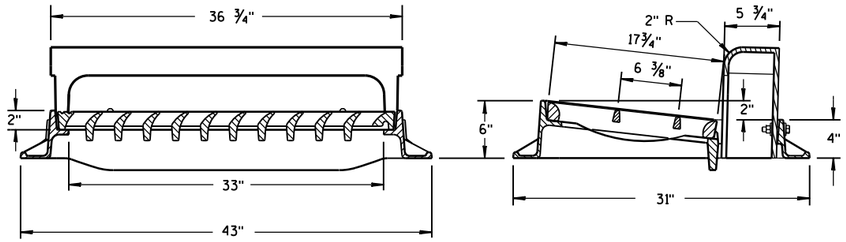


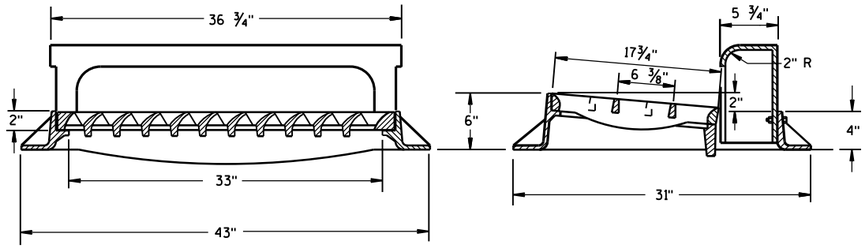
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

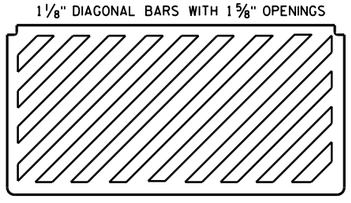






TYPE "H"

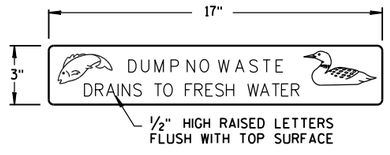
NOTE: EITHER CASTING IS ACCEPTABLE



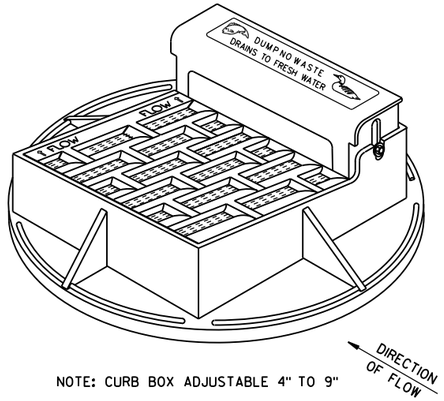
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

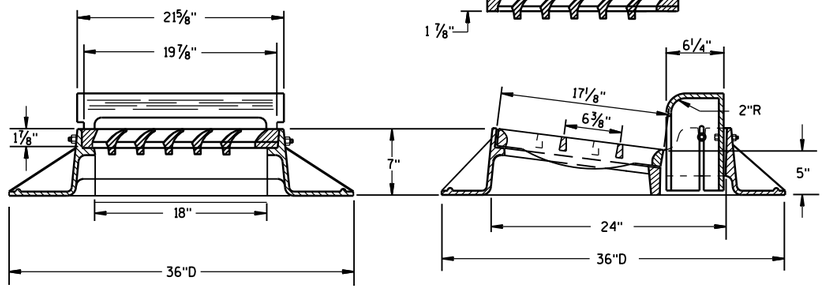


LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

NOTE:
GRATE IS REVERSIBLE.



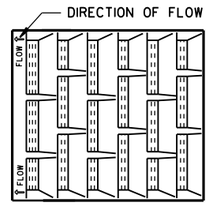
TYPE "A"

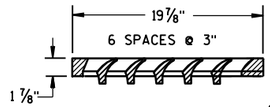
GENERAL NOTES

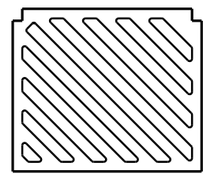
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

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



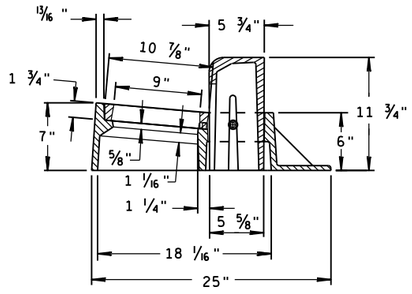


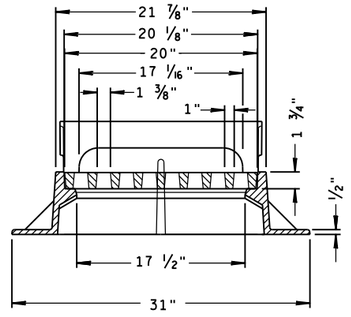


SPECIAL GRATE FOR TYPE "A" COVER

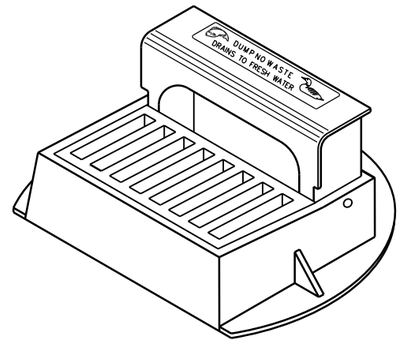
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)





TYPE "Z"



INLET COVERS TYPE A, H, A-S, H-S & Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

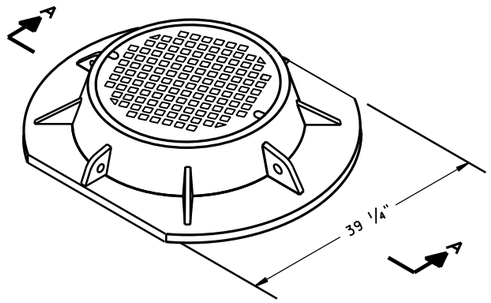
APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

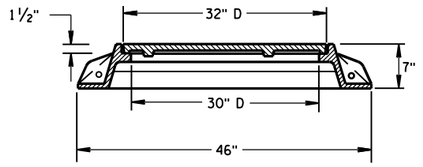
6

S.D.D. 8 A 5-19a

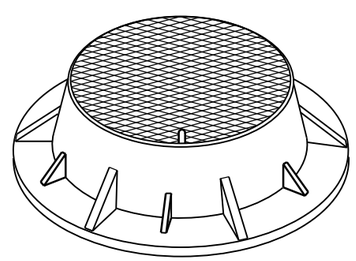
6

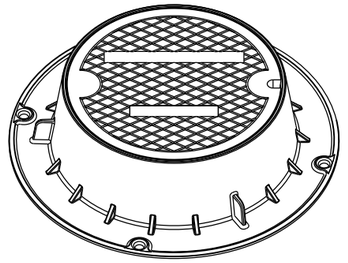
S.D.D. 8 A 5-19a

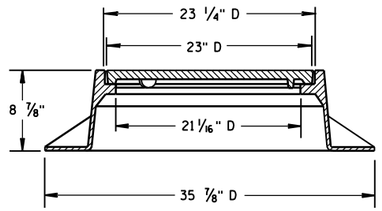


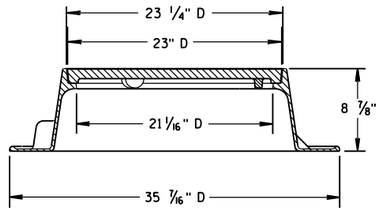


SECTION A-A
TYPE "K"









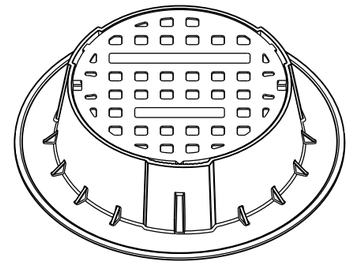
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

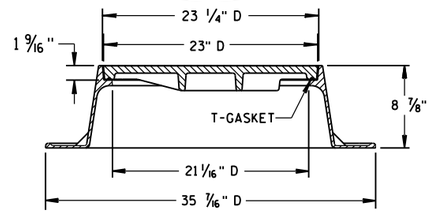
GENERAL NOTES

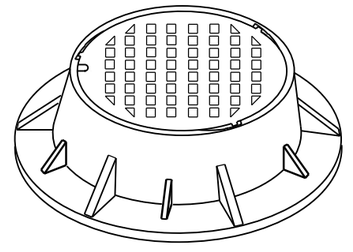
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

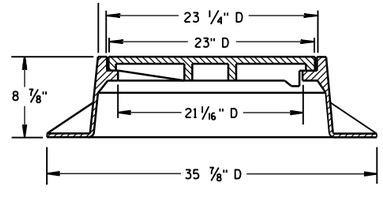
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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

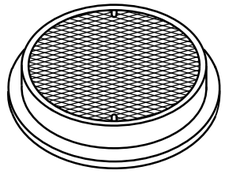


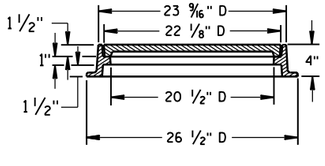




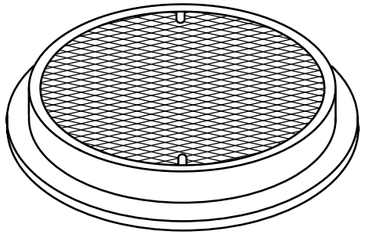


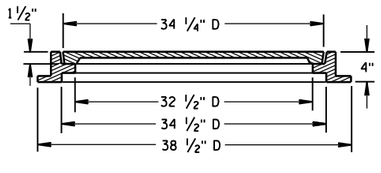
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



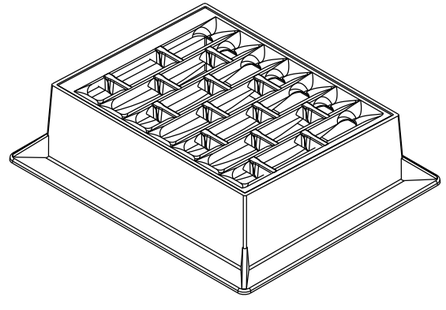


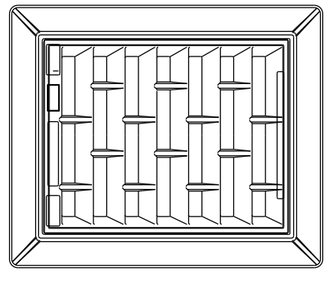
TYPE "L"

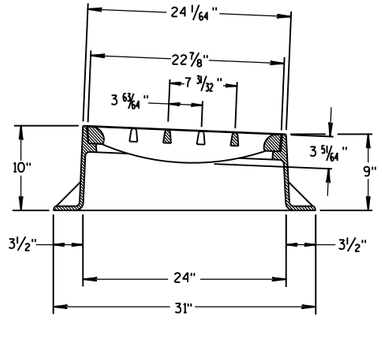


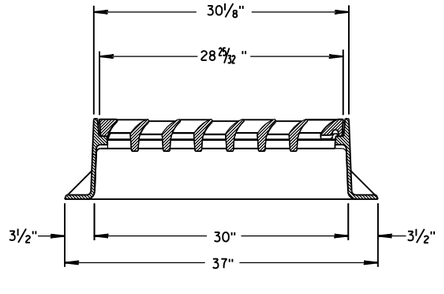


TYPE "M"









INLET COVER TYPE "BW"

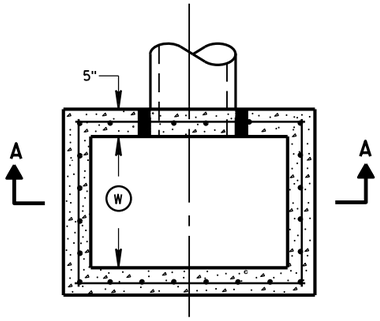
INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

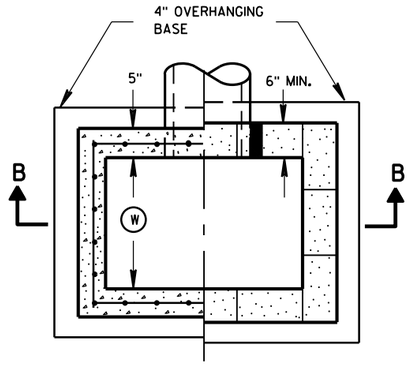
APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

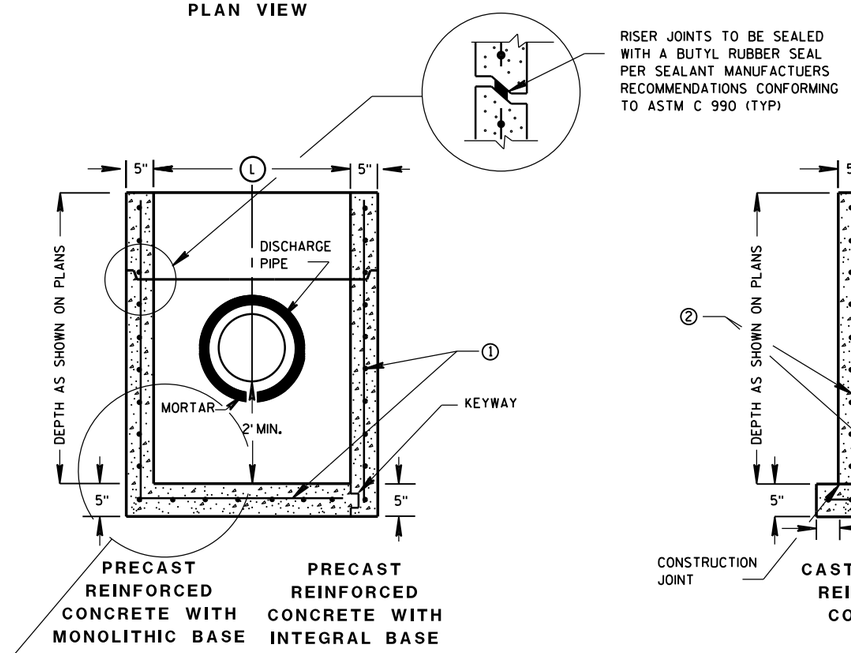
S.D.D. 8 A 5-19d



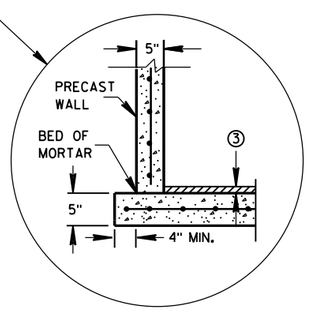
PLAN VIEW



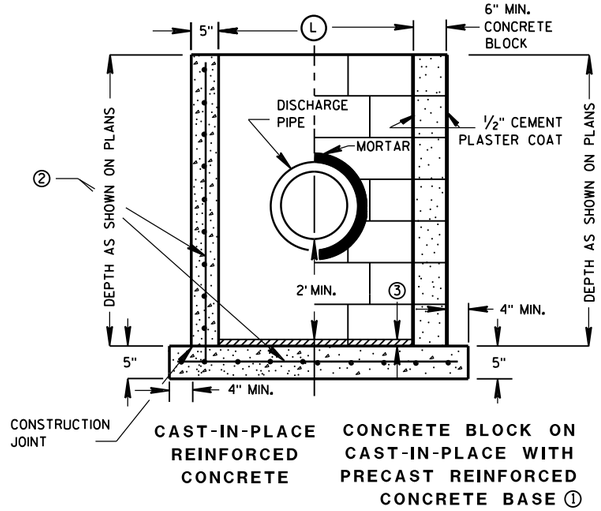
PLAN VIEW



SECTION A-A



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION



SECTION B-B

GENERAL NOTES

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

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

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

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

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

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

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

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

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

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

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

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

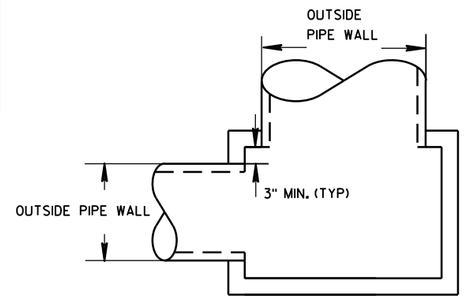
③ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

CATCH BASIN SIZE		INLET COVER TYPE	F	ALL H'S
	WIDTH (W) (FT)	LENGTH (L) (FT)		
2X3-FT	2	3		X
2.5X3-FT	2.5	3	X	

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

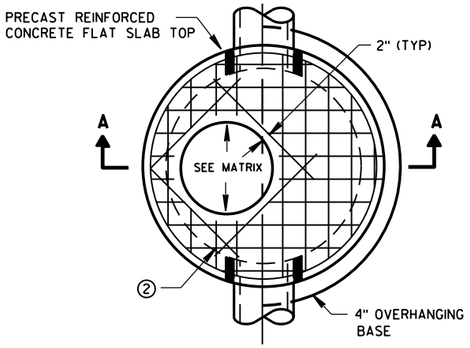
CATCH BASINS 2X3-FT AND 2.5X3-FT

CATCH BASINS 2X3-FT AND 2.5X3-FT

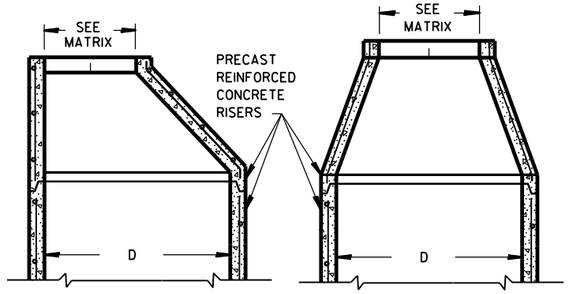
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6
S.D.D. 8 A 9-2

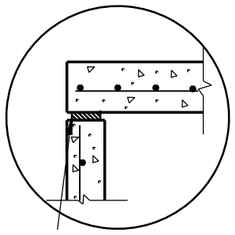


PLAN VIEW CIRCULAR OPENING

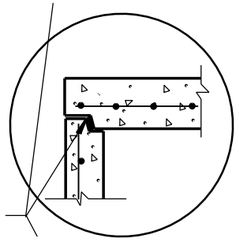


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

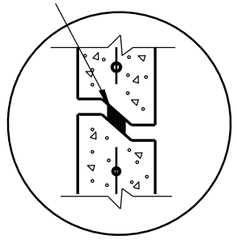


TOP WITH PLAIN END JOINT



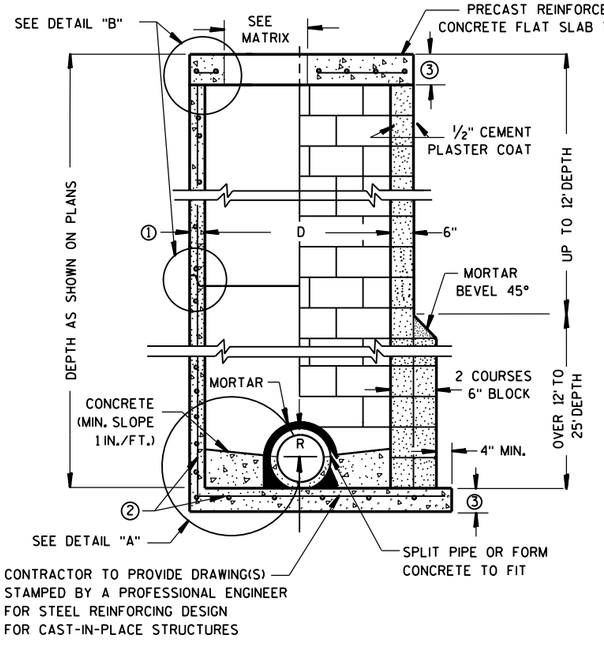
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



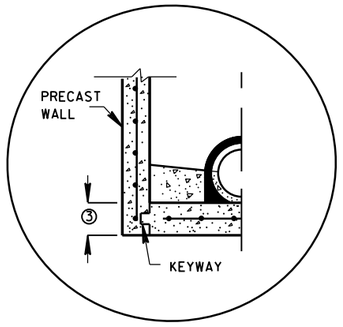
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

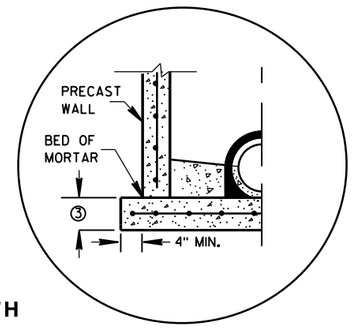


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

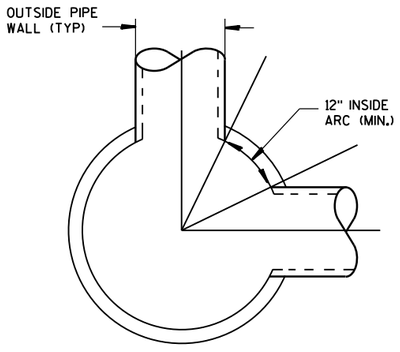


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

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

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

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

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

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept., 2016
DATE

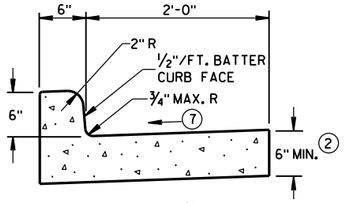
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

FHWA

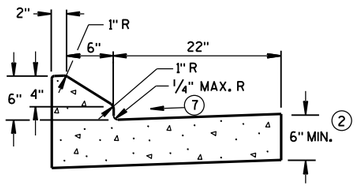
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

S.D.D. 8 B 9-2

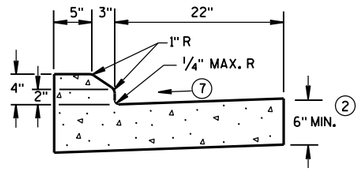
6



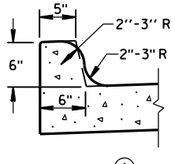
TYPES A (1) & D



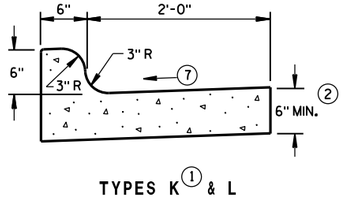
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

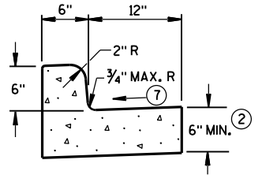


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



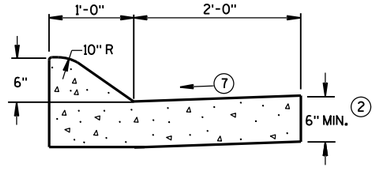
TYPES K (1) & L

CONCRETE CURB & GUTTER 30"

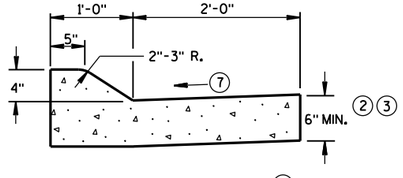


TYPES A (1) & D

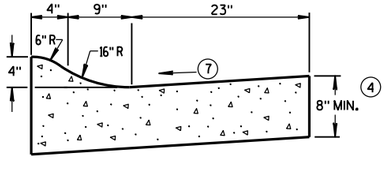
CONCRETE CURB & GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

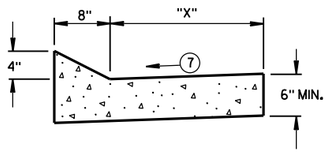


4" SLOPED CURB TYPES A (1) & D



4" SLOPED CURB TYPES R (1) & T (5)

CONCRETE CURB & GUTTER 36"



TYPES TBT & TBTT (1)

CONCRETE CURB & GUTTER

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

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.

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

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

(5) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

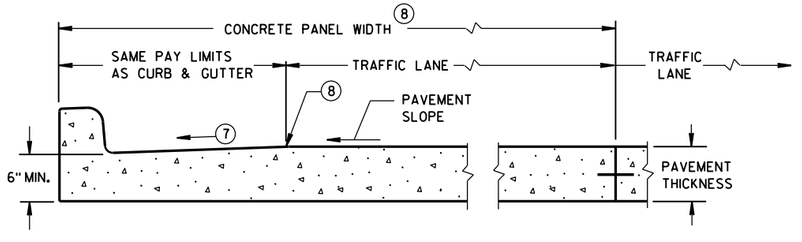
(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

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

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

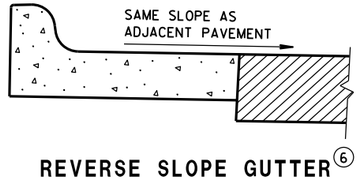
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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



PARTIAL SECTION OF PAVEMENT *
WITH INTEGRAL CURB & GUTTER

* BIKE LANE IS NOT SHOWN.



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

CONCRETE CURB & GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO...

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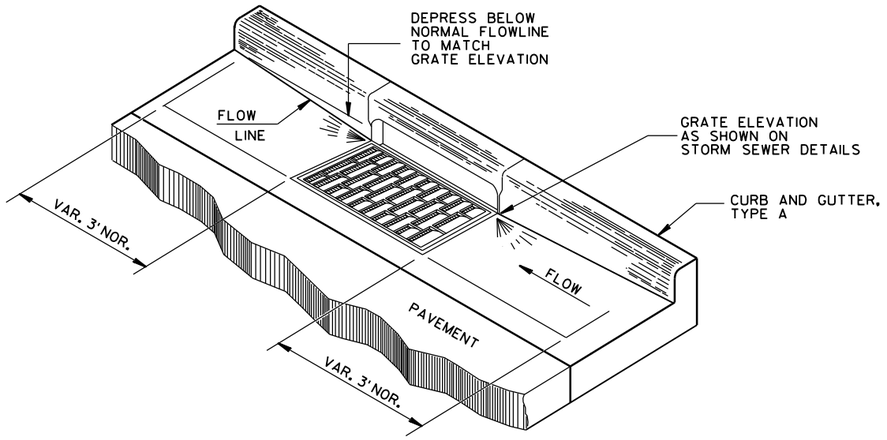
S.D.D. 8 D 1-20a



DETAIL OF CURB AND GUTTER AT INLETS

(TYPE H INLET COVER SHOWN)

GENERAL NOTES

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

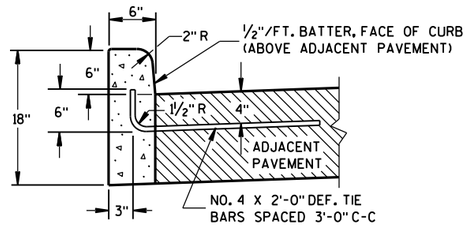
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

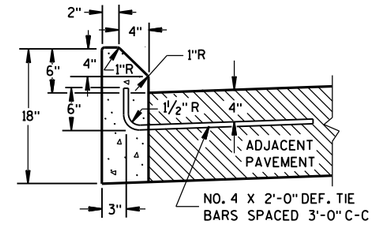
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

(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.

(9) REFER TO SDD 8D18 AND SDD 8D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

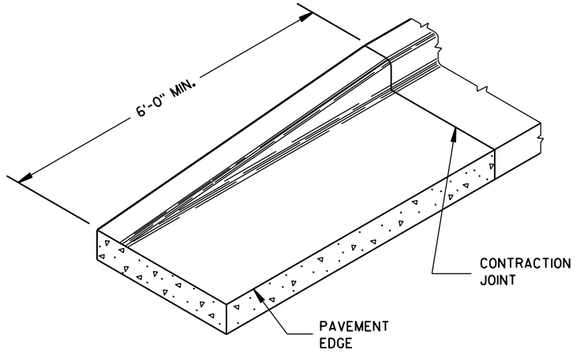


TYPES A(1) & D

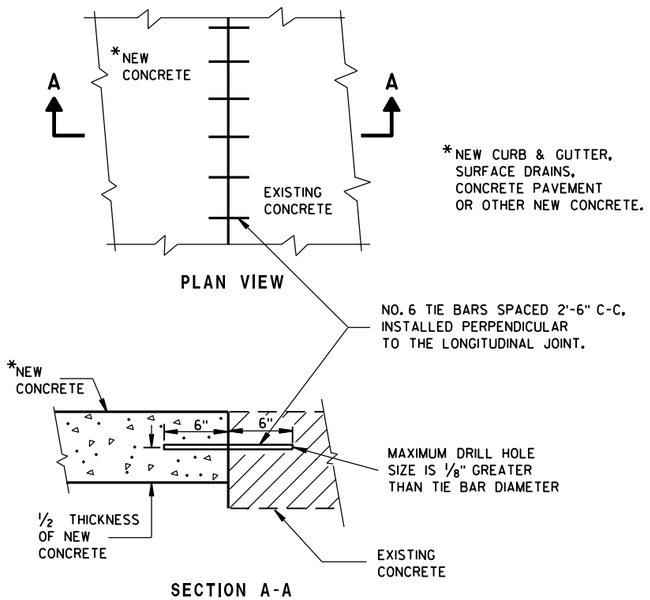


TYPES G(1) & J

CONCRETE CURB



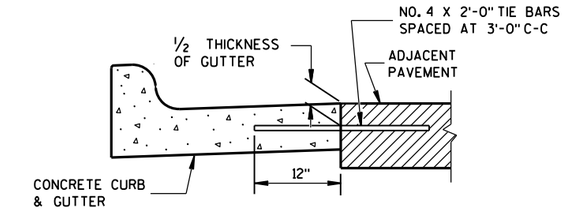
END SECTION CURB & GUTTER



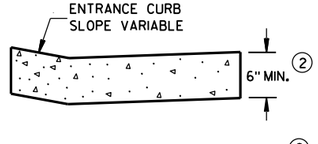
PLAN VIEW

SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

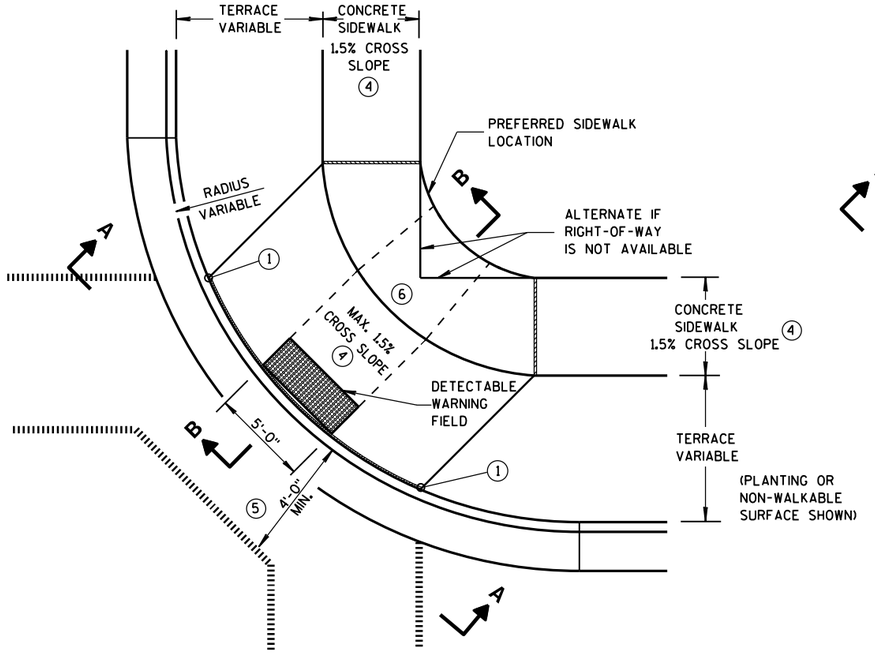
CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2017 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS 75 ENT
UNIT SUPERVISOR
FHWA

6

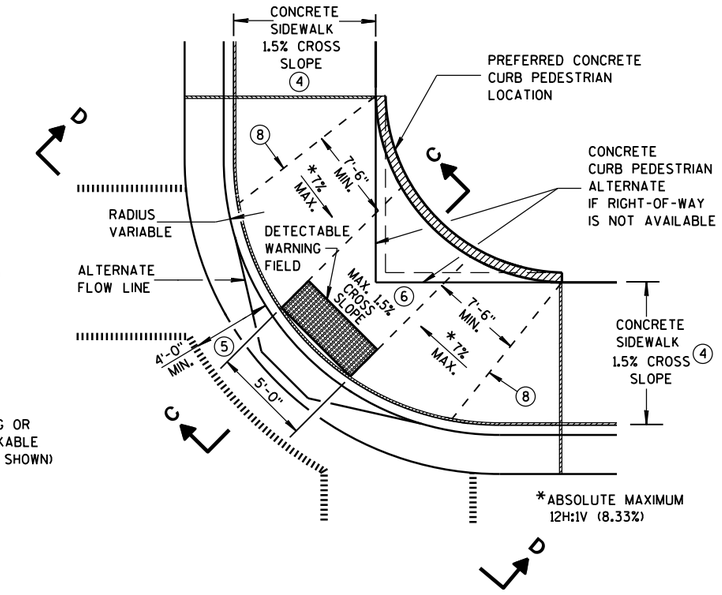
S.D.D. 8 D 1-20b



PLAN VIEW

TYPE 1 RAMP

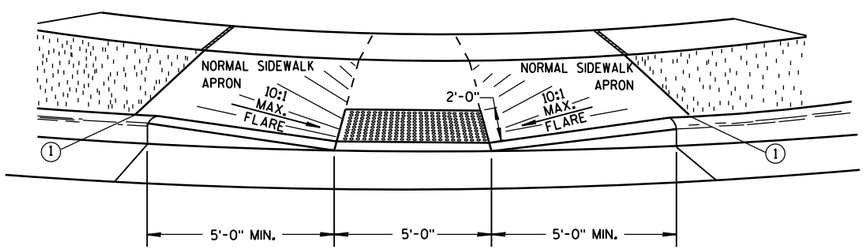
(CENTER OF CORNER RADIUS)



PLAN VIEW

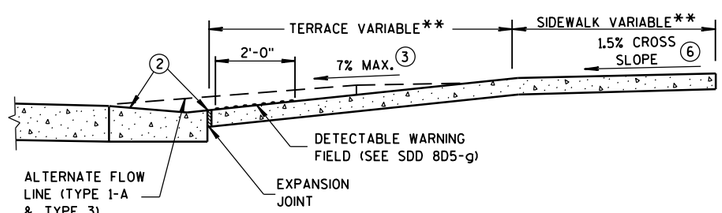
TYPE 1-A RAMP

(NO TERRACE)

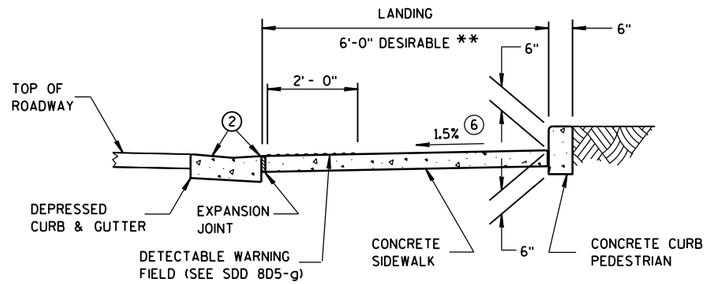


VIEW A-A

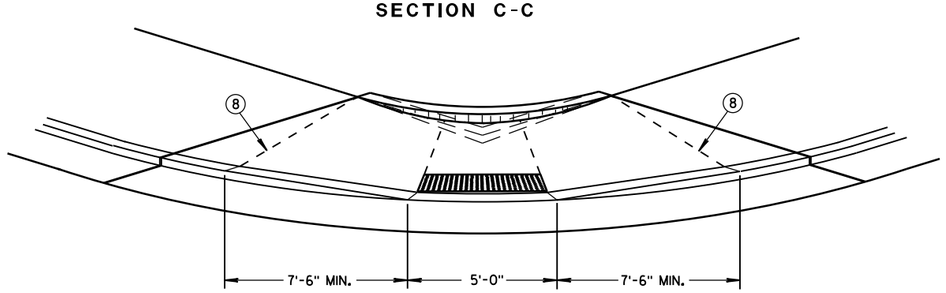
** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B



SECTION C-C



VIEW D-D

GENERAL NOTES

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

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

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

TYPE 1 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. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) 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.

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

LEGEND

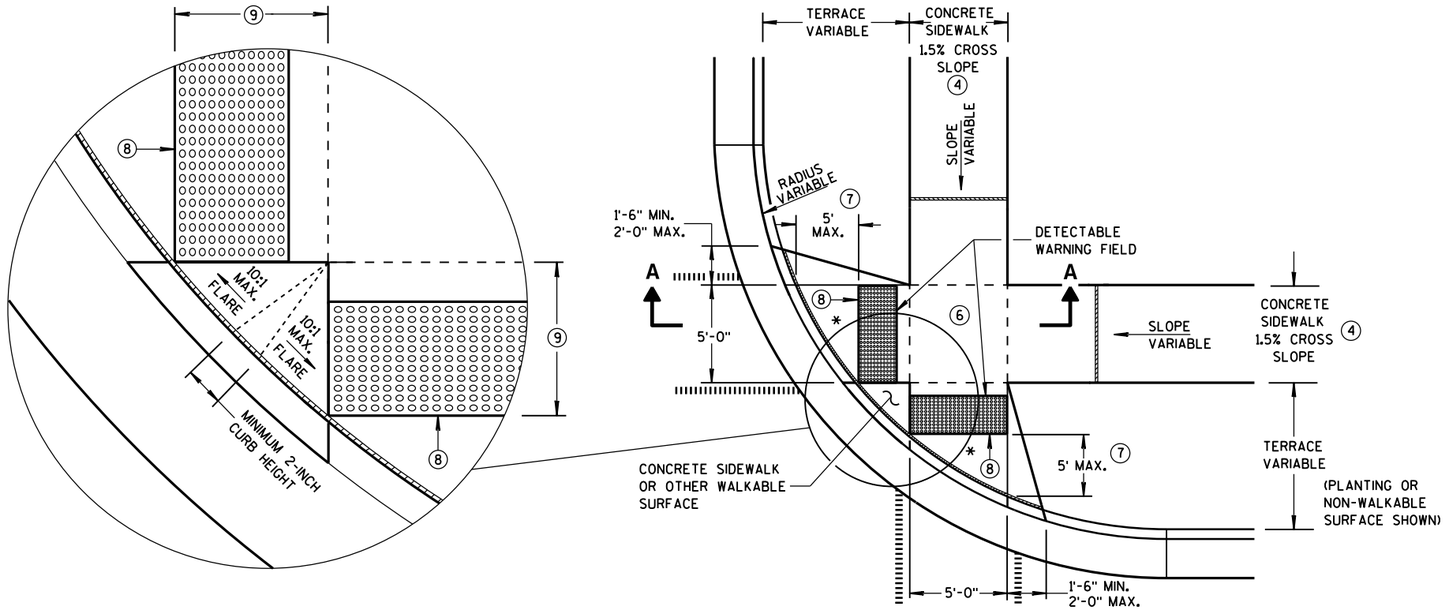
- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

CURB RAMPS TYPES 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 8 D 5-19a

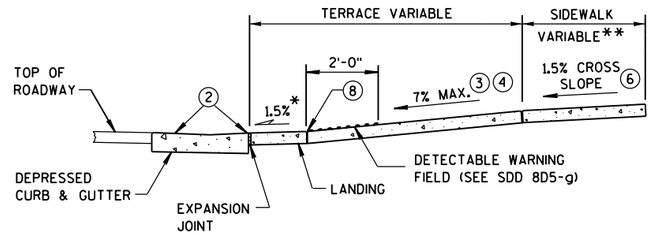


PLAN VIEW

TYPE 2 RAMP

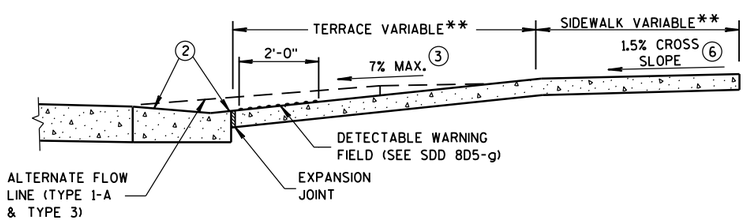
(ON LINE WITH SIDEWALK)

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

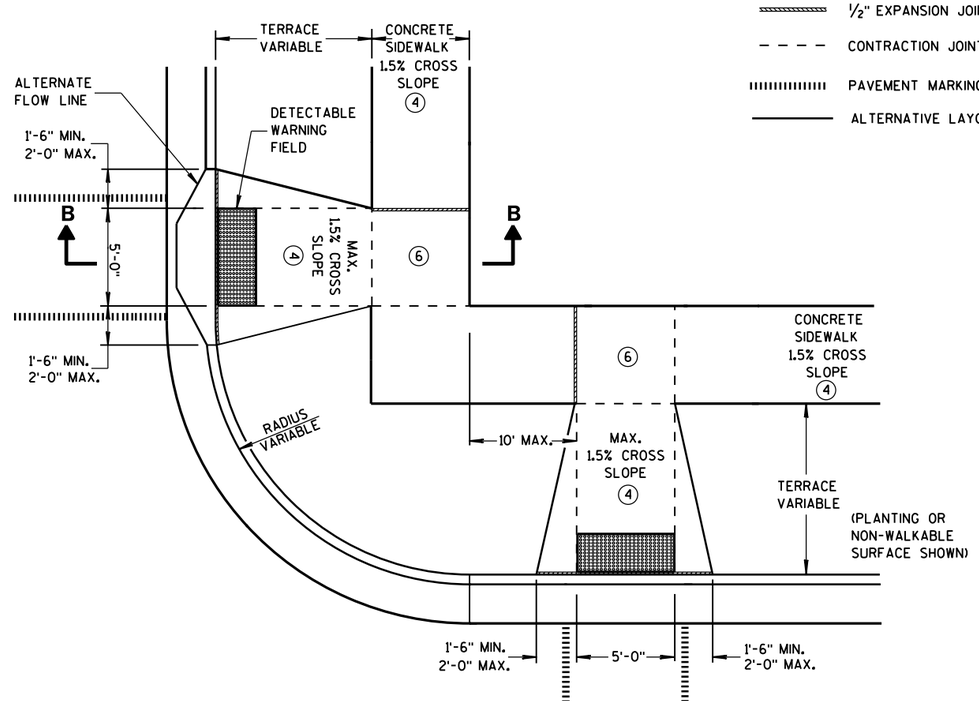


SECTION A-A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B



PLAN VIEW

TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)

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 LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) 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.

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

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

(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. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

LEGEND

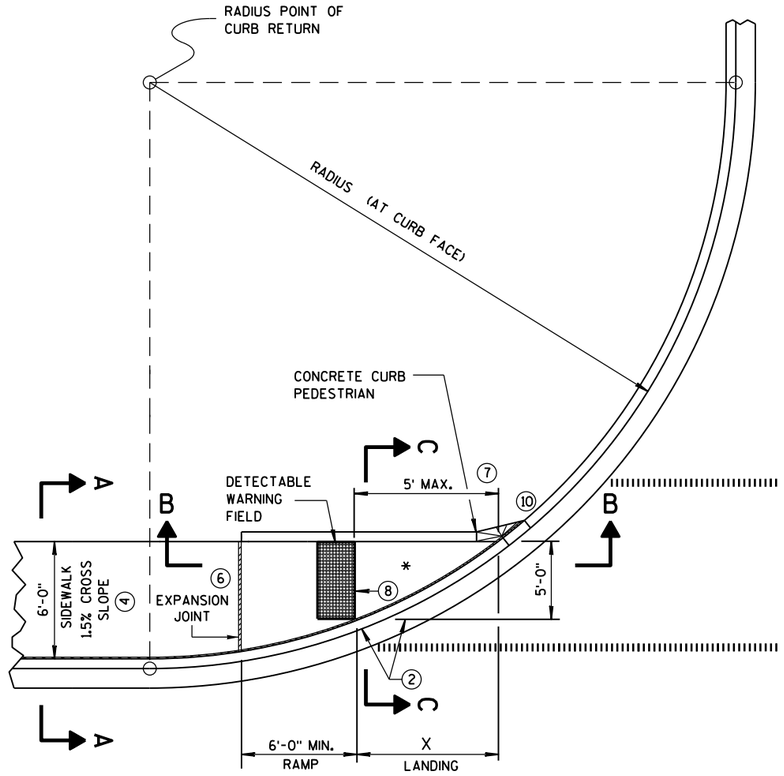
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

CURB RAMPS TYPES 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

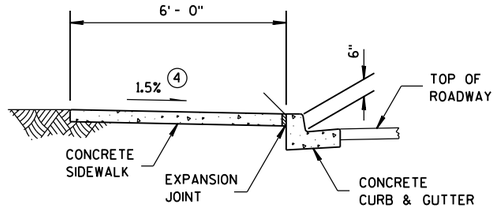
S.D.D. 8 D 5-19b



CURB RAMP TYPE 4A
PLAN VIEW

RADIUS (AT CURB FACE)	X
10 FEET	4'-7"
15 FEET	6'-5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A-A FOR TYPE 4A

GENERAL NOTES

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

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

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

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

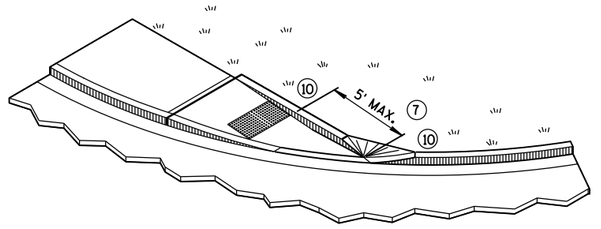
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

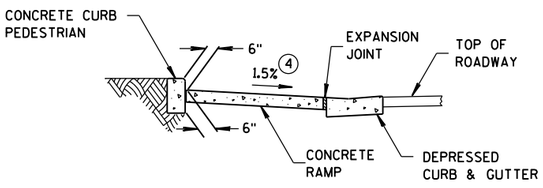
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

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

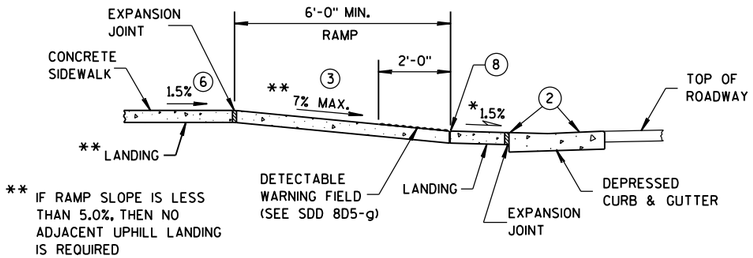


ISOMETRIC VIEW FOR TYPE 4A



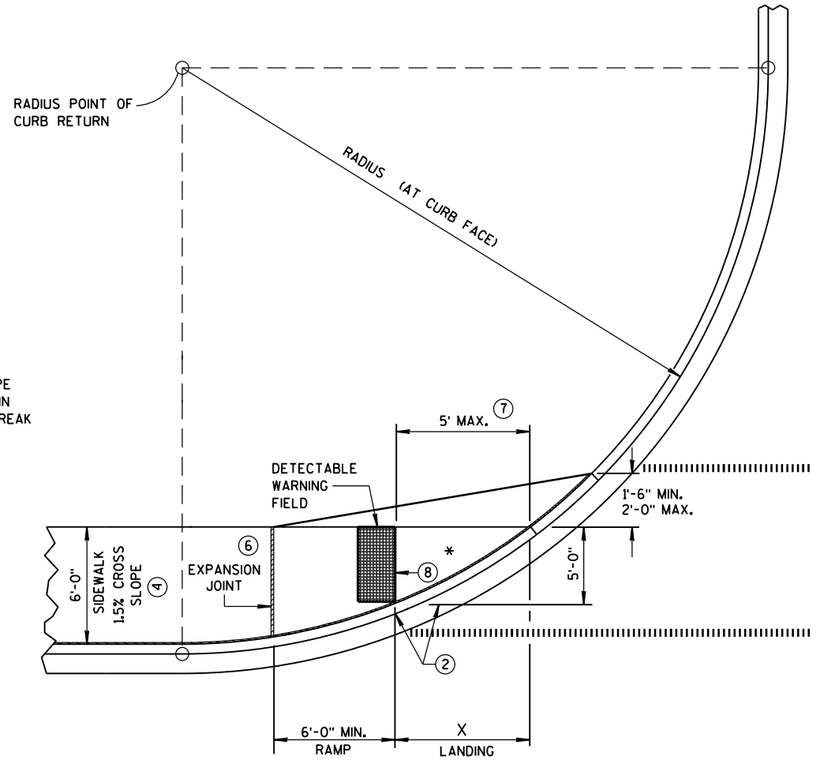
SECTION C-C FOR TYPE 4A

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

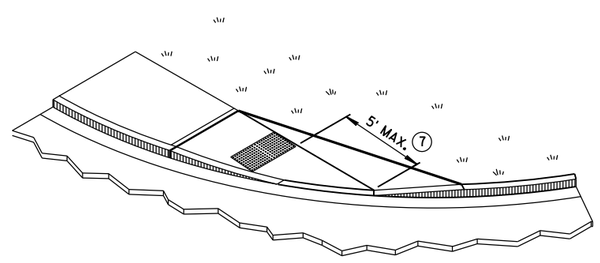


** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

SECTION B-B FOR TYPE 4A



CURB RAMP TYPE 4A1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4A1

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

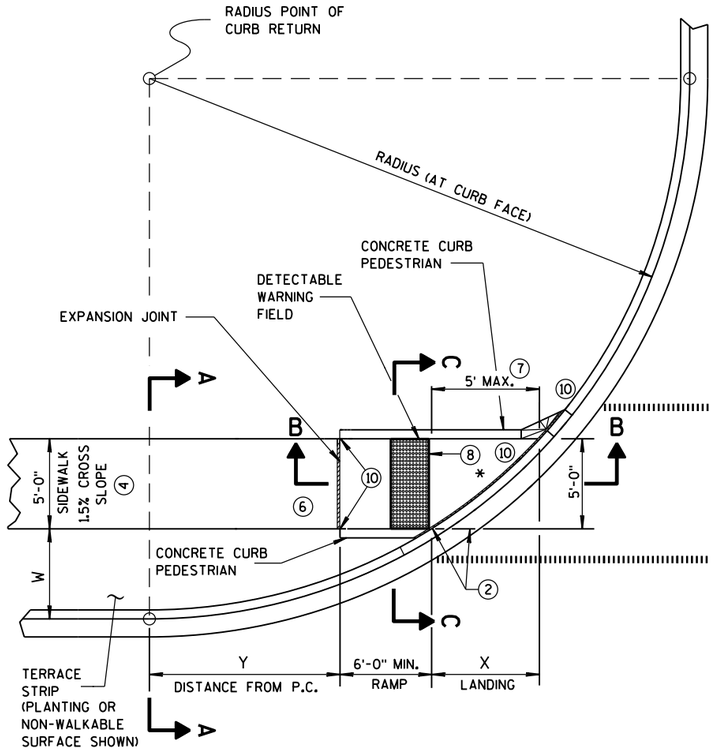
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPES 4A AND 4A1

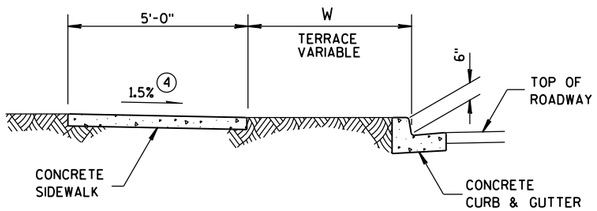
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

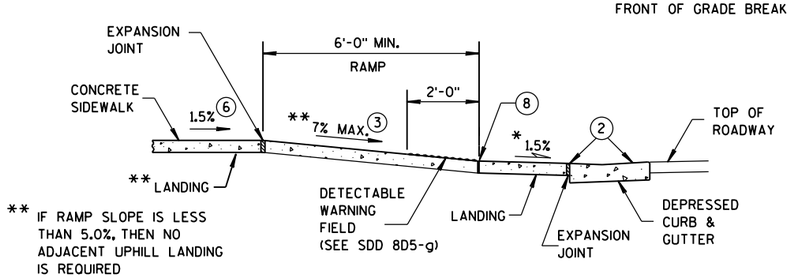
S.D.D. 8 D 5-19c



CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



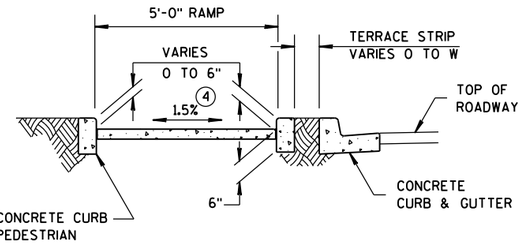
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

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

SECTION B-B FOR TYPE 4B

RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"		W = 8'-0"		W = 9'-0"		W = 10'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2'-10¼"	0'-5"	2'-1"	1'-4½"	1'-5"	2'-1"	0'-10"	2'-7½"	0'-3¼"	3'-0¼"						
15 FEET	4'-6¾"	2'-1¾"	3'-9"	3'-5¼"	3'-1¼"	4'-6"	2'-6¾"	5'-4½"	2'-1"	6'-1"	1'-8"	6'-8½"	1'-3¼"	7'-2½"	0'-10¾"	7'-7¼"
20 FEET	5'-9¾"	3'-6½"	4'-11½"	5'-1¾"	4'-3¼"	6'-5½"	3'-8¾"	7'-7"	3'-3"	8'-6½"	2'-10"	9'-4½"	2'-5½"	10'-1¼"	2'-1¼"	10'-9"
30 FEET			6'-9¼"	7'-11¼"	6'-0¼"	9'-8"	5'-5"	11'-1¾"	4'-10¾"	12'-5¾"	4'-5½"	13'-7¾"	4'-0¾"	14'-8½"	3'-8½"	15'-8¼"
40 FEET									6'-1¾"	15'-8½"	5'-8"	17'-2"	5'-3"	18'-5¾"	4'-10¾"	19'-8¼"
50 FEET															5'-10¼"	23'-2"

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



SECTION C-C FOR TYPE 4B

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 LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

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

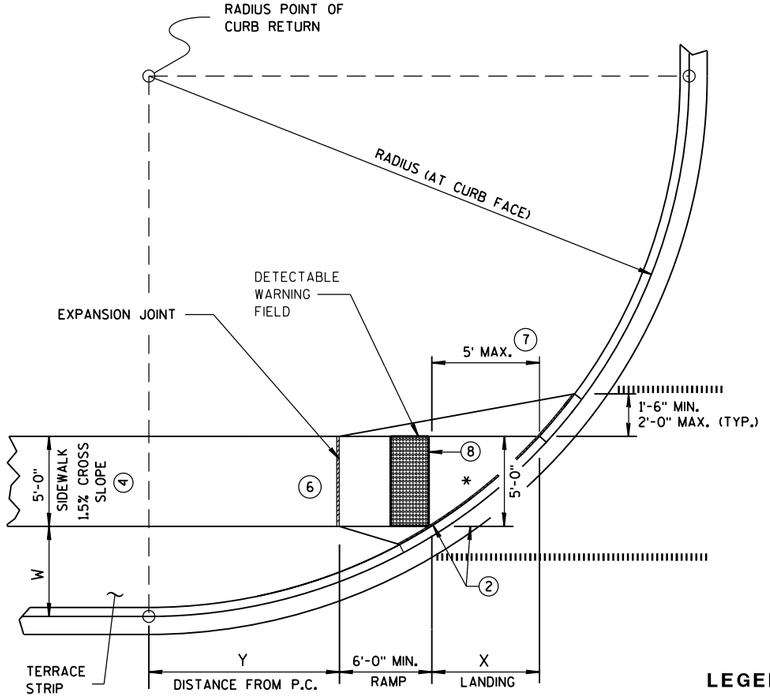
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

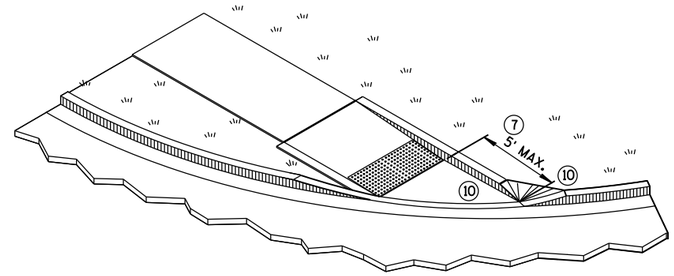
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

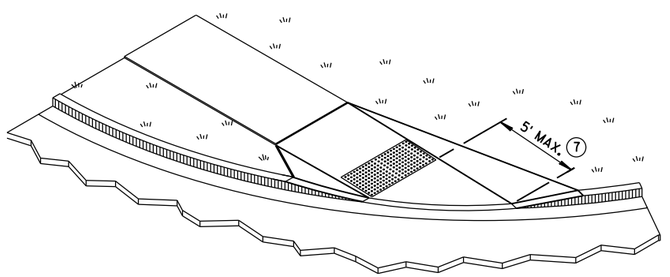
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



CURB RAMP TYPE 4B1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

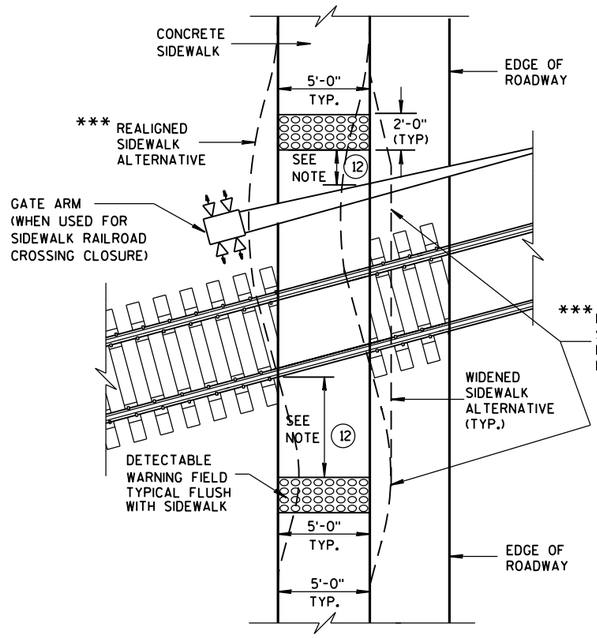
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 4B AND 4B1

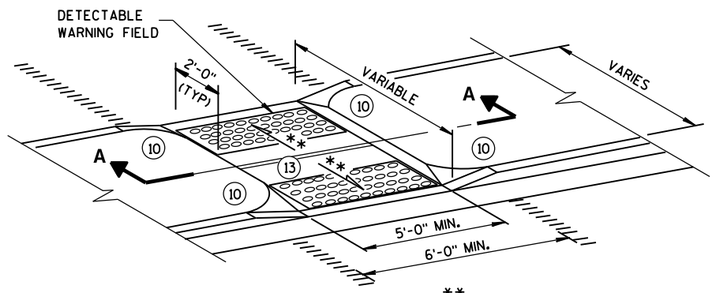
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 8 D 5-19d



TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING



** 1% MIN. (PROVIDE DRAINAGE)

*** DETAILS TO BE DETERMINED BY DESIGNER

MEDIAN ISLAND
NON-ELEVATED PEDESTRIAN CROSSING
TYPE 5

GENERAL NOTES

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) 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.

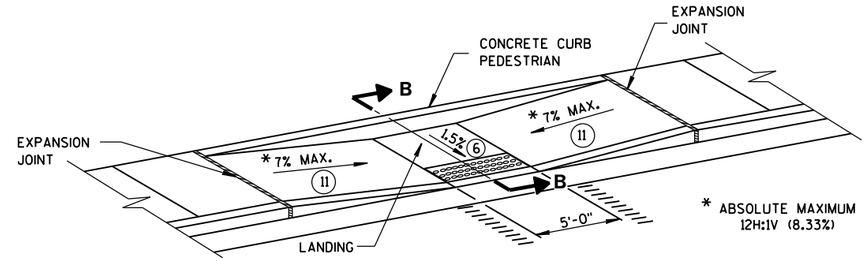
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

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

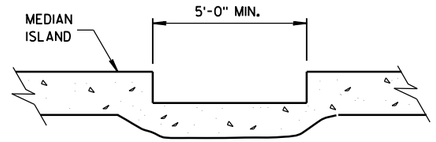
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

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

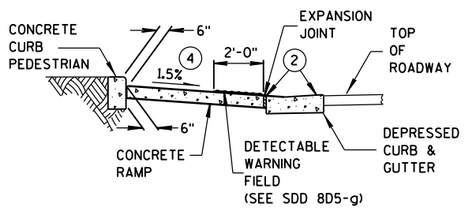
(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STREET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2-FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.



MID-BLOCK CROSSING
TYPE 7A

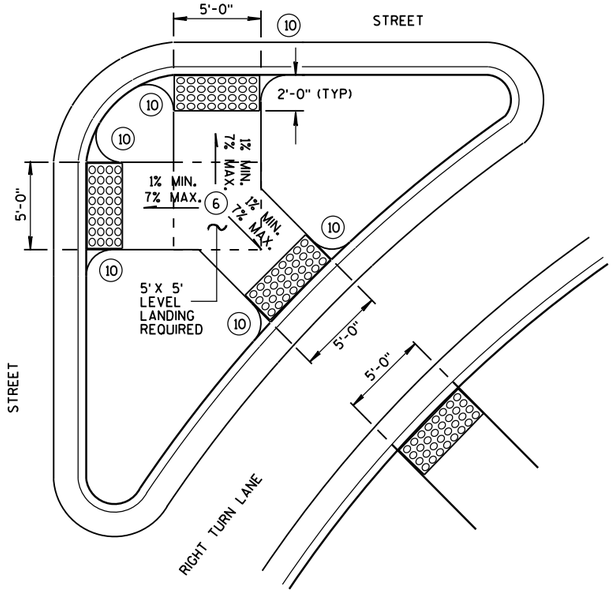


SECTION A-A

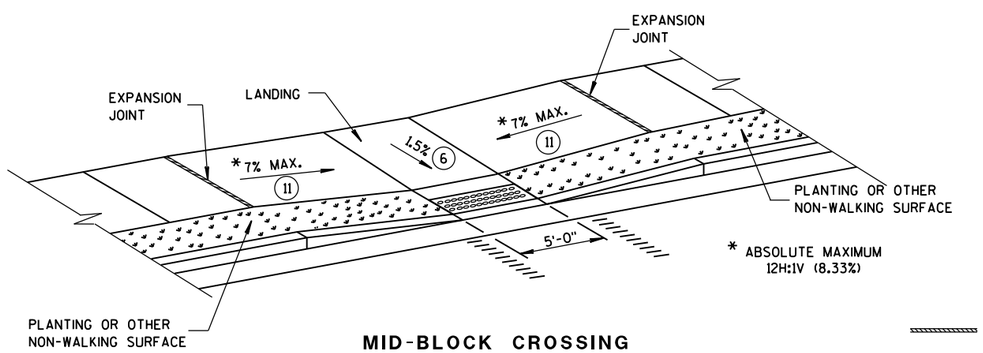


SECTION B-B

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

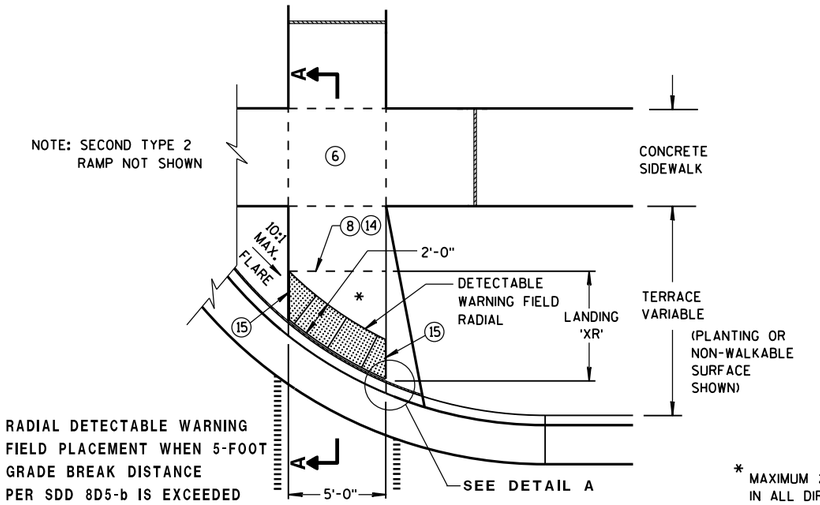
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

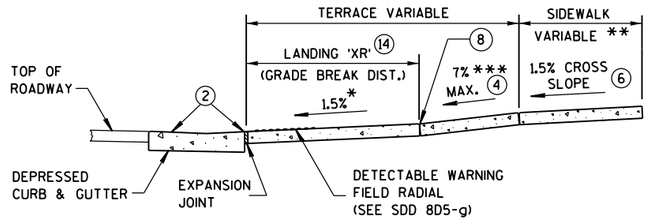
6

S.D.D. 8 D 5-19e



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

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



** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION A-A

LEGEND

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

GENERAL NOTES

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

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

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

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

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

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

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

(3) 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.

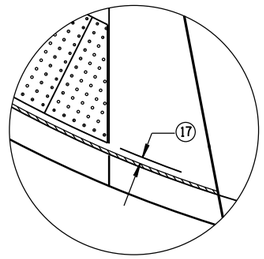
(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

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

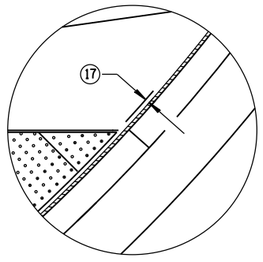
(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

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

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



DETAIL A



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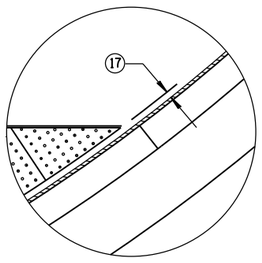
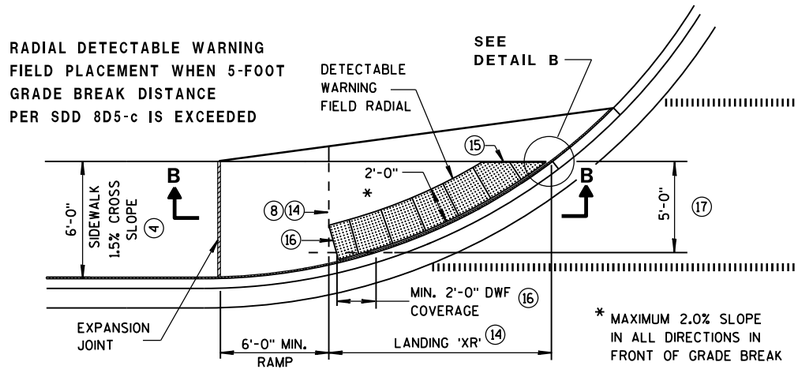
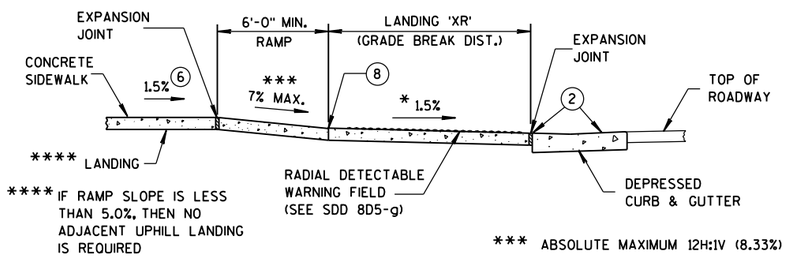


DETAIL B



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

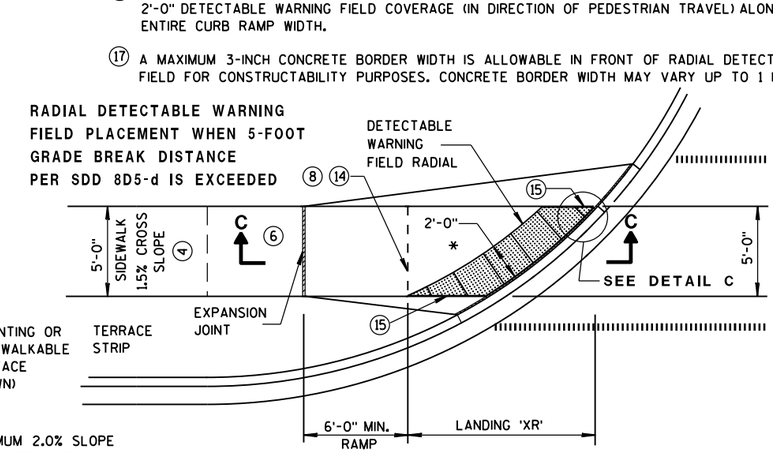
CURB RAMP TYPE 4A1
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



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

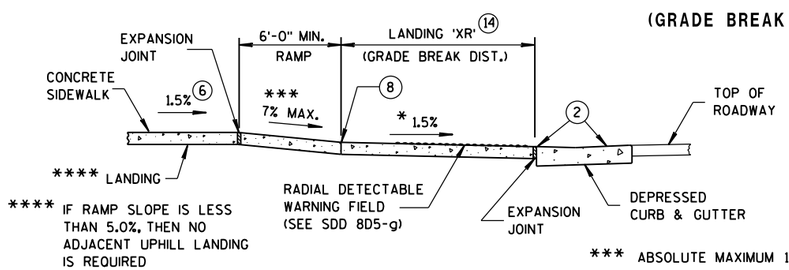
*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION B-B FOR TYPE 4A1



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

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



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

*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION C-C FOR TYPE 4B1

CURB RAMPS
RADIAL DETECTABLE WARNING FIELD APPLICATIONS

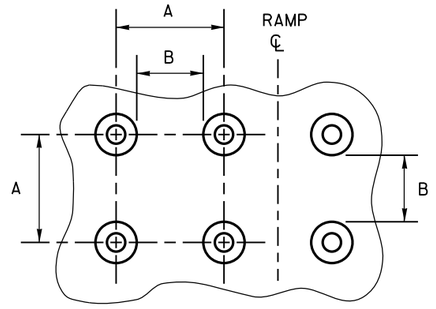
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

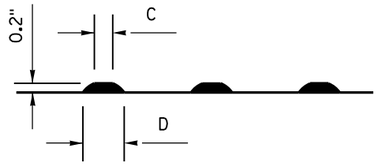
S.D.D. 8 D 5-19f

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

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



PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES

DETECTABLE WARNING PATTERN DETAIL

GENERAL NOTES

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

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

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

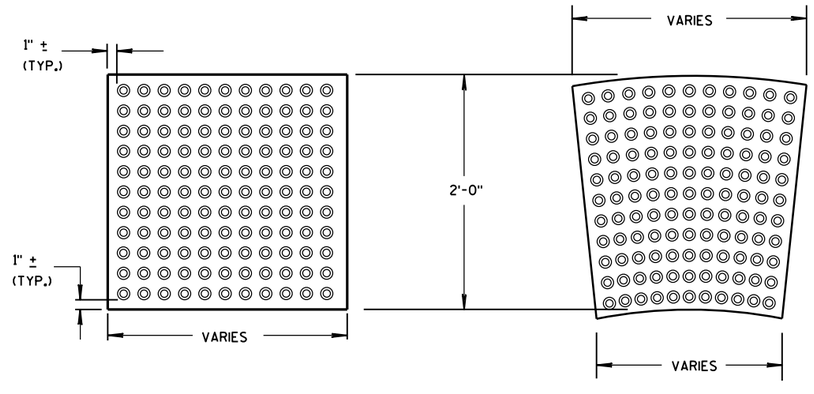
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

⑮ FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

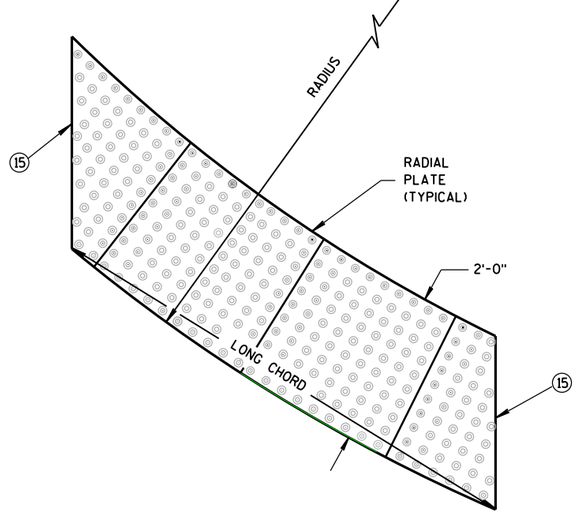


RECTANGULAR PLATES

RADIAL PLATES

DETECTABLE WARNING FIELDS (TYPICAL)

PLAN VIEW



RADIAL DETECTABLE WARNING FIELD ATTRIBUTES

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERV
ENT
FHWA

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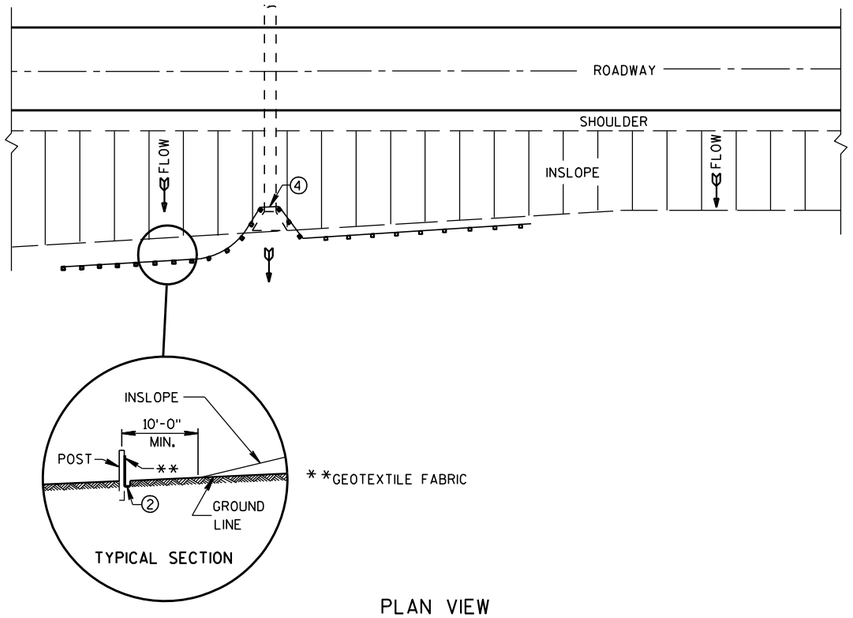
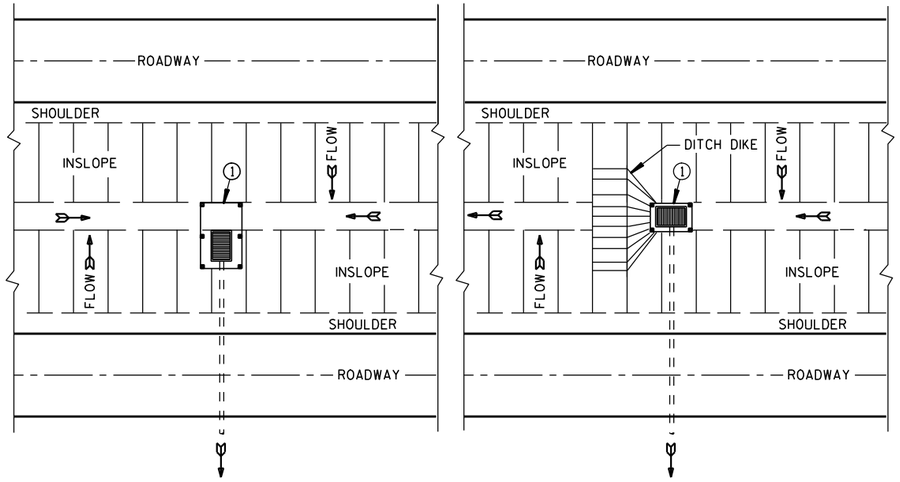


PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

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

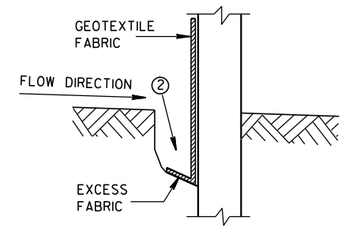
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

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

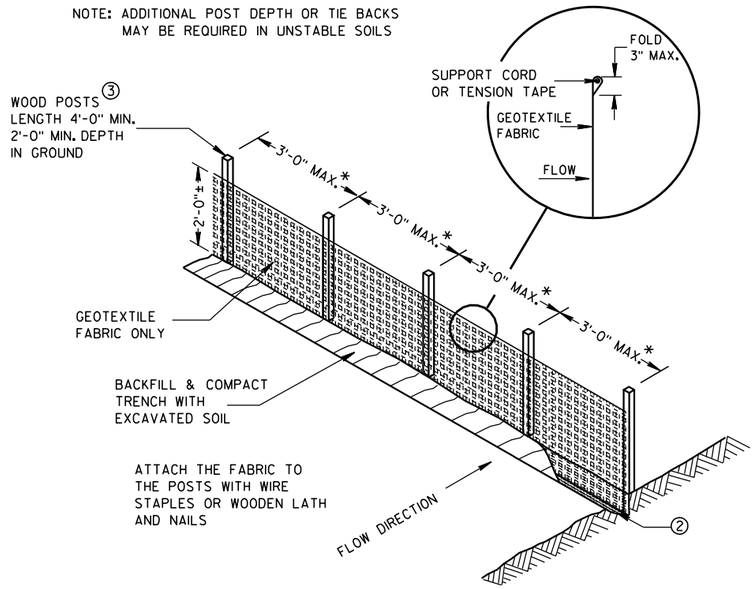
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

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

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

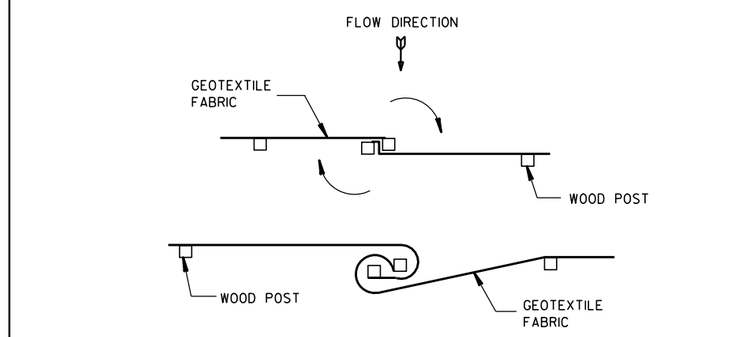


TRENCH DETAIL

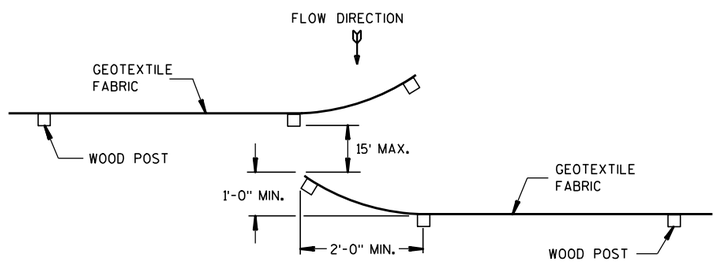


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

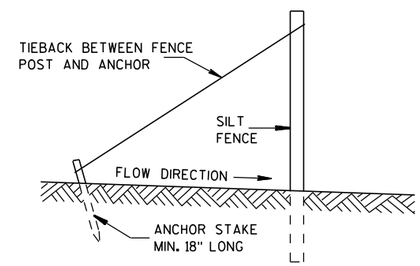


TWIST METHOD



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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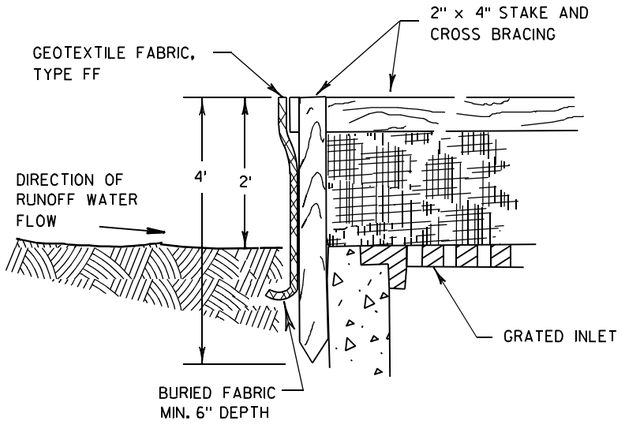
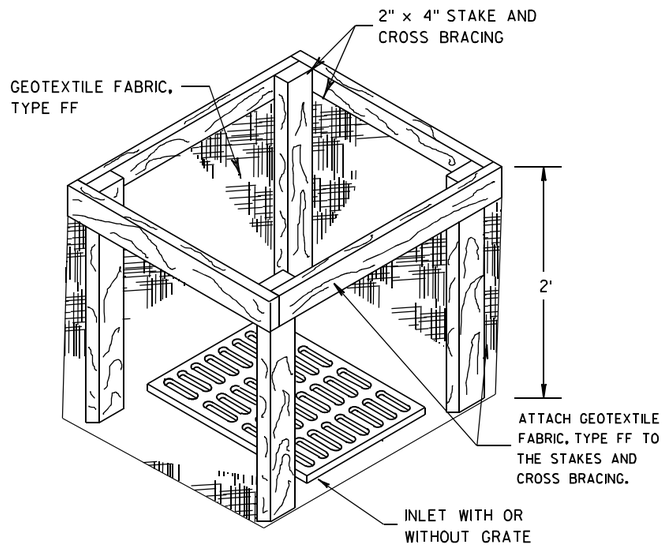
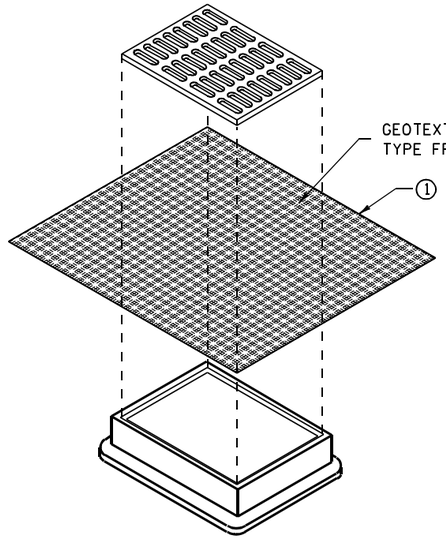


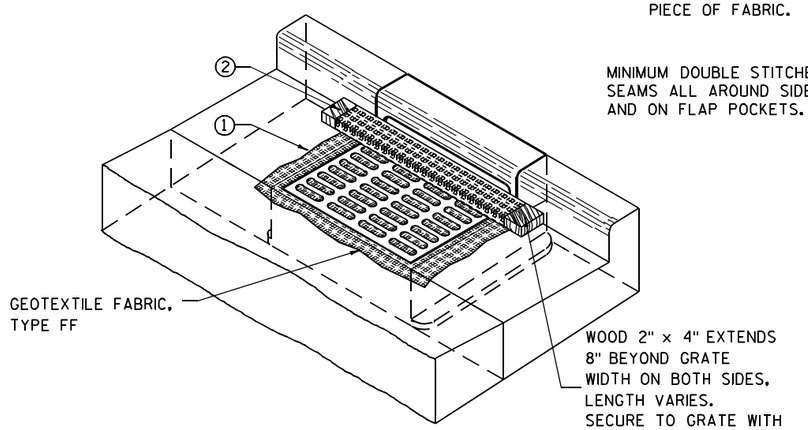


INLET PROTECTION, TYPE A

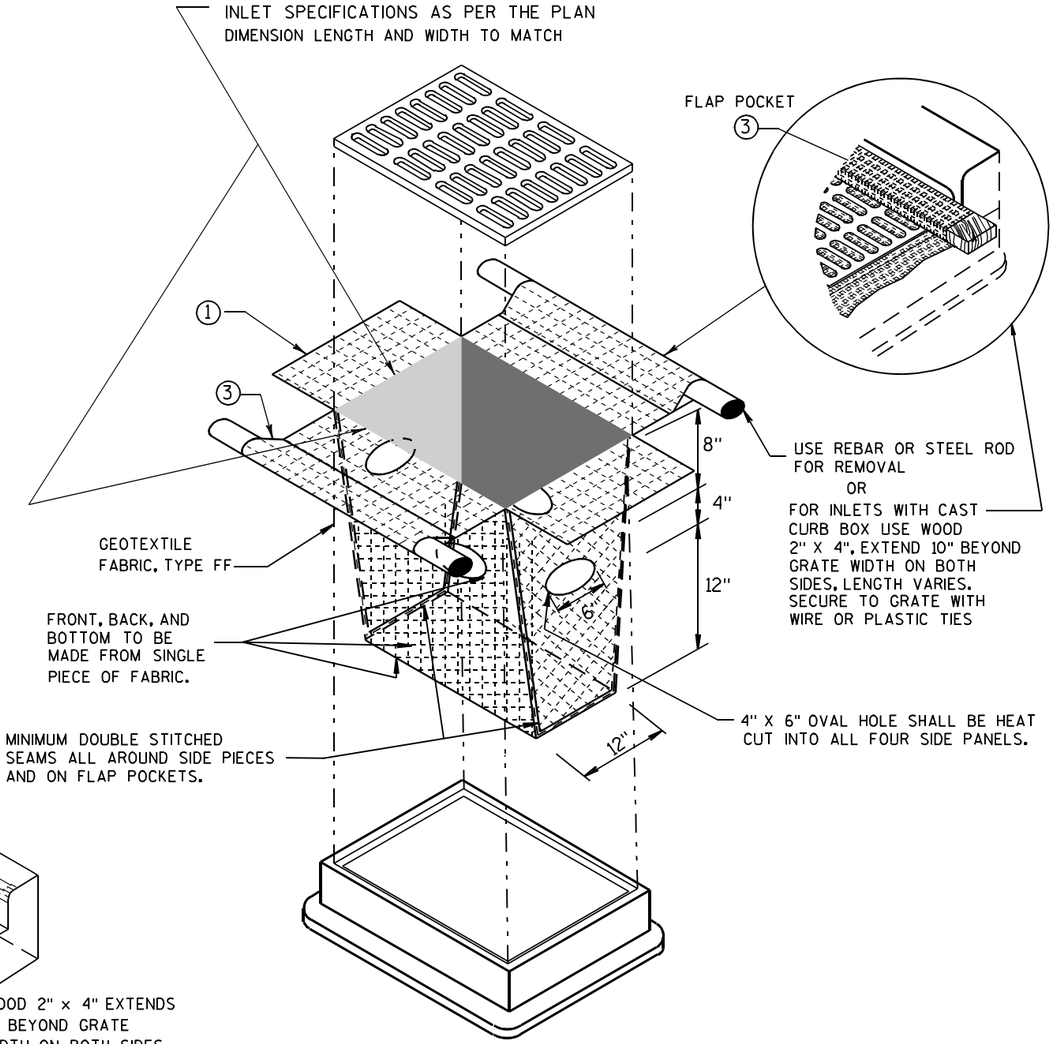


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

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

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

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

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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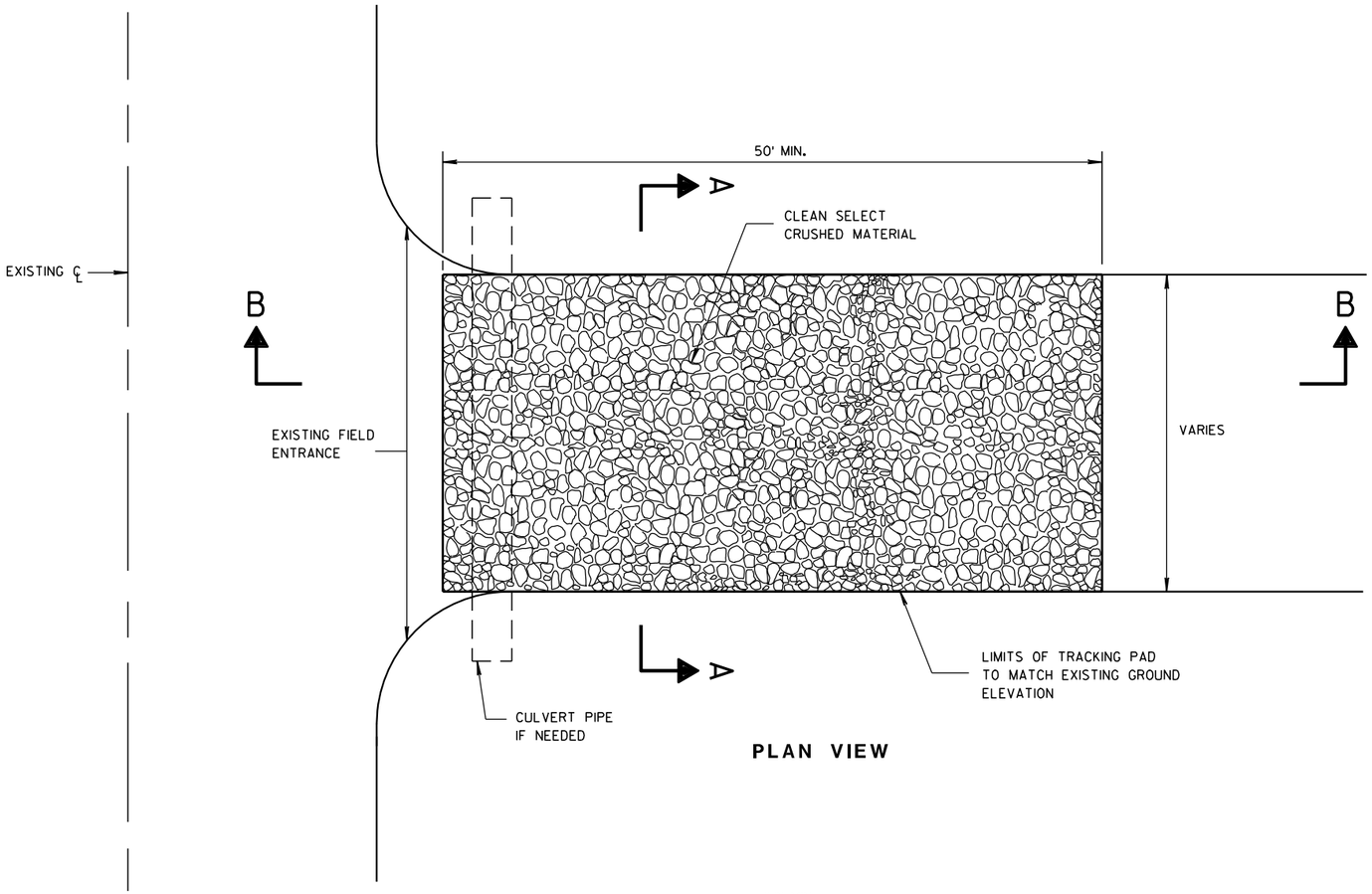
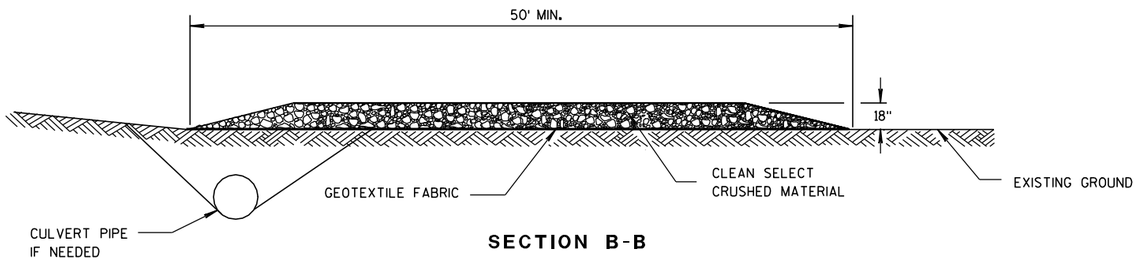


PLAN VIEW



SECTION B-B

GENERAL NOTES

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

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

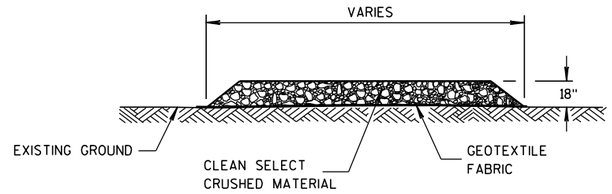
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

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

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

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

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



SECTION A-A

TRACKING PAD

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/24/2011	/S/ Jerry H. Zona	
DATE	ROADWAY STANDARDS ENGINEER 85	ENT

FHWA

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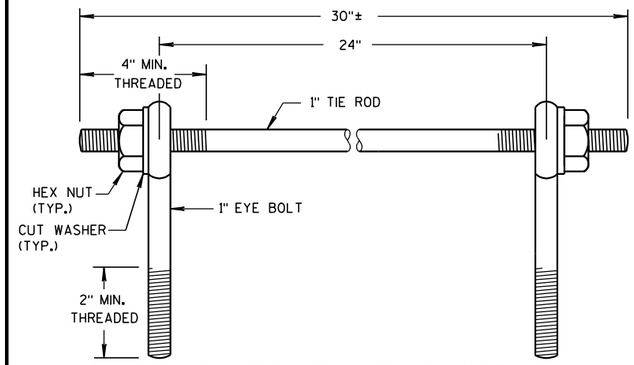
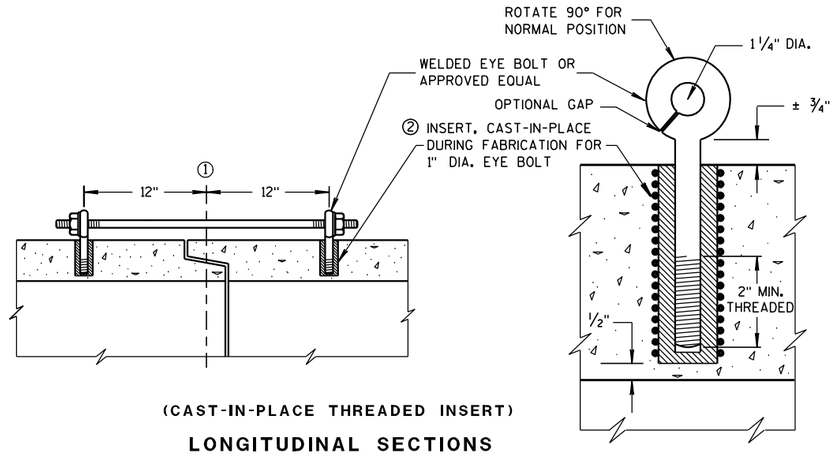


EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

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

GENERAL NOTES

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

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

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

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

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

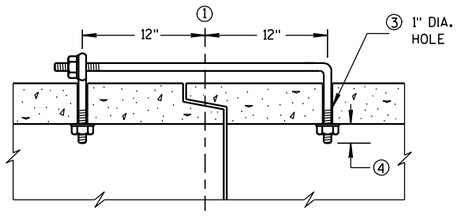
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

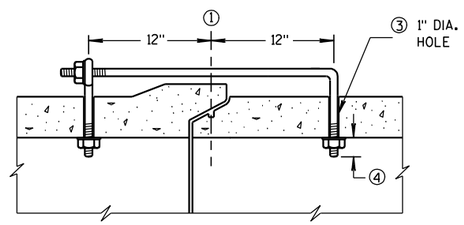
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

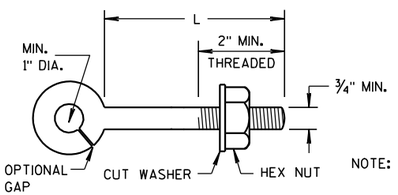


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

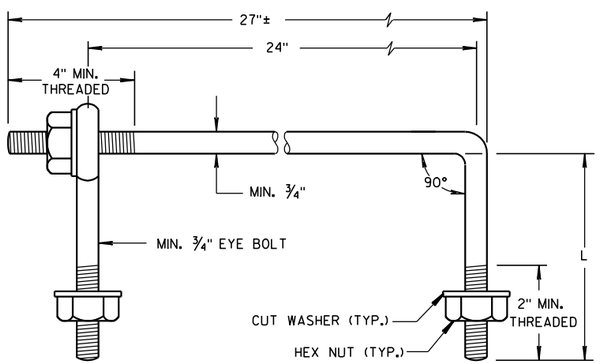
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

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



EYE BOLT AND TIE ROD

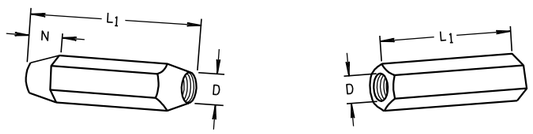
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

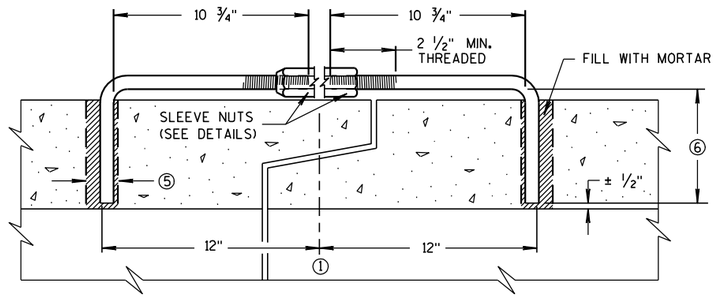
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

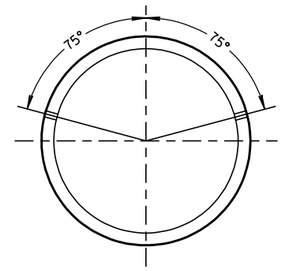
SLEEVE NUTS



LONGITUDINAL SECTION

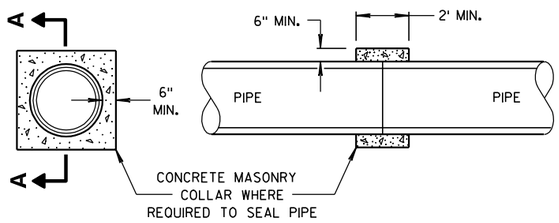
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



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

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

S.D.D. 8 F 4-7

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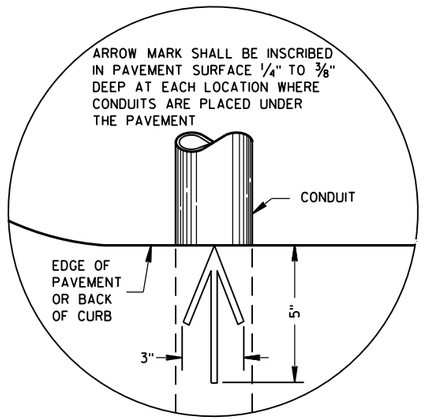
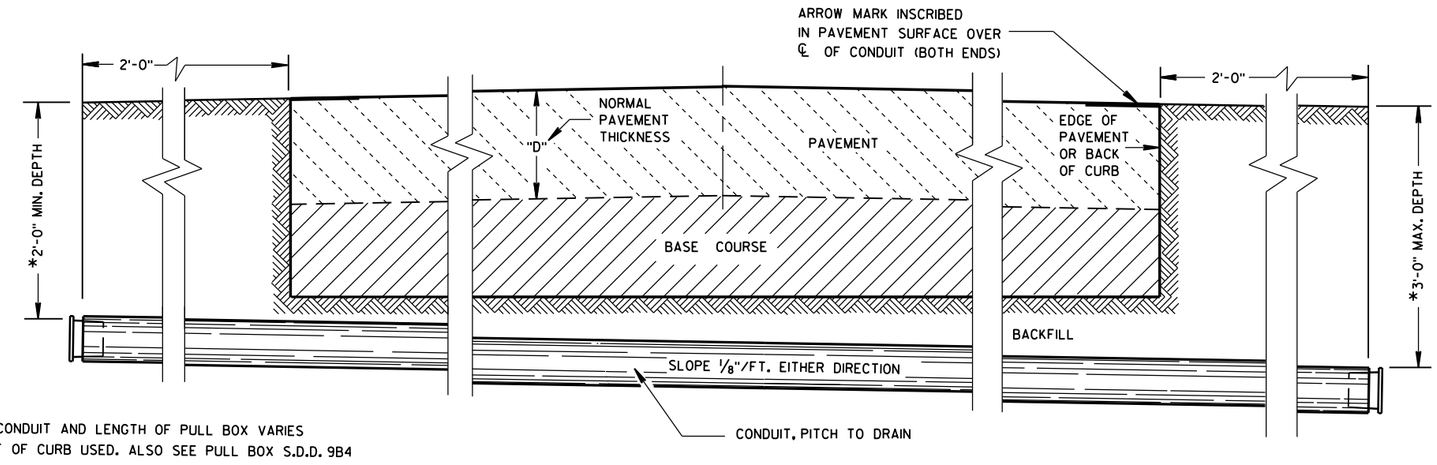
S.D.D. 8 F 4-7



PLAN VIEW

ARROW MARK



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

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

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

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

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

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

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

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

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

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

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

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

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

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

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

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

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

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

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

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

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

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

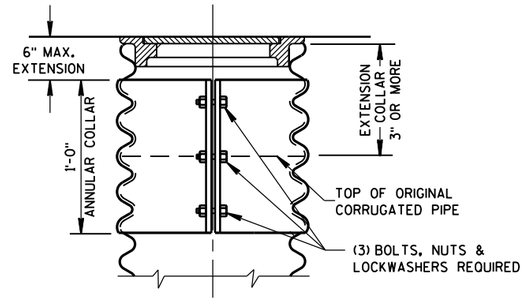
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

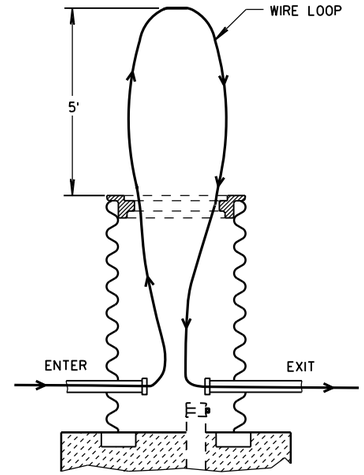
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2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

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

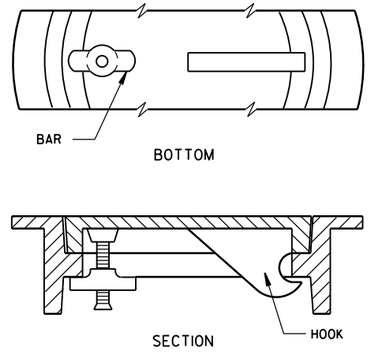
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

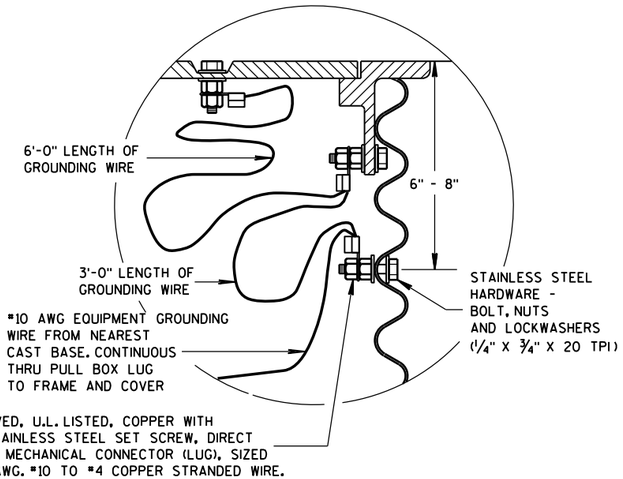


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

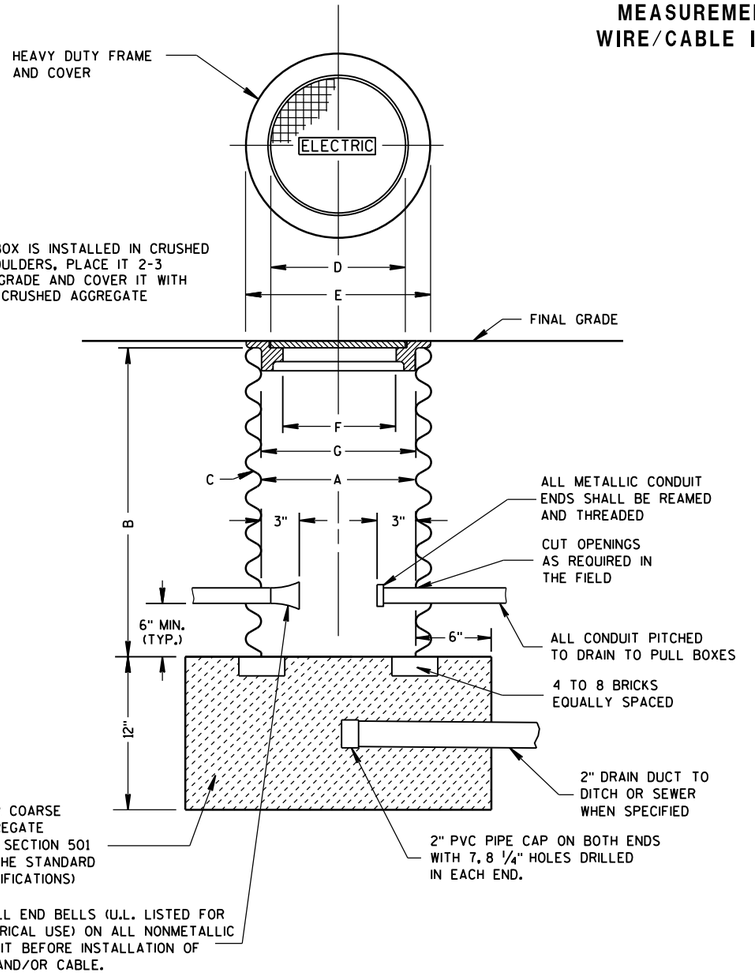


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

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

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

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

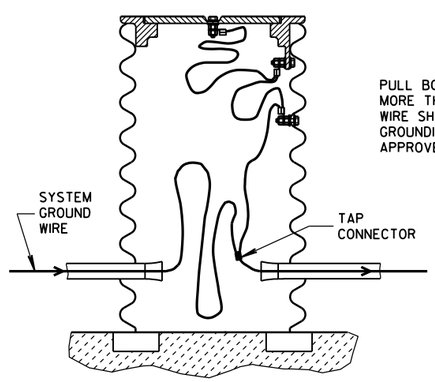
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

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

6

S.D.D. 9 B 4-11

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		NON-CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 1/2	22 1/2
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

* THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE

GENERAL NOTES

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

ALL BOXES, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN 1/4".

COVER SHALL BE MAGNETICALLY LOCATABLE.

BOXES AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

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

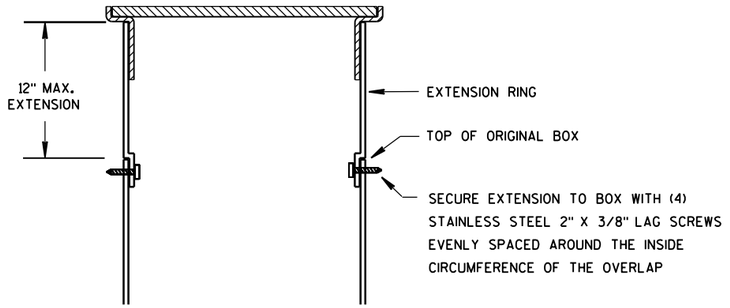
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

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

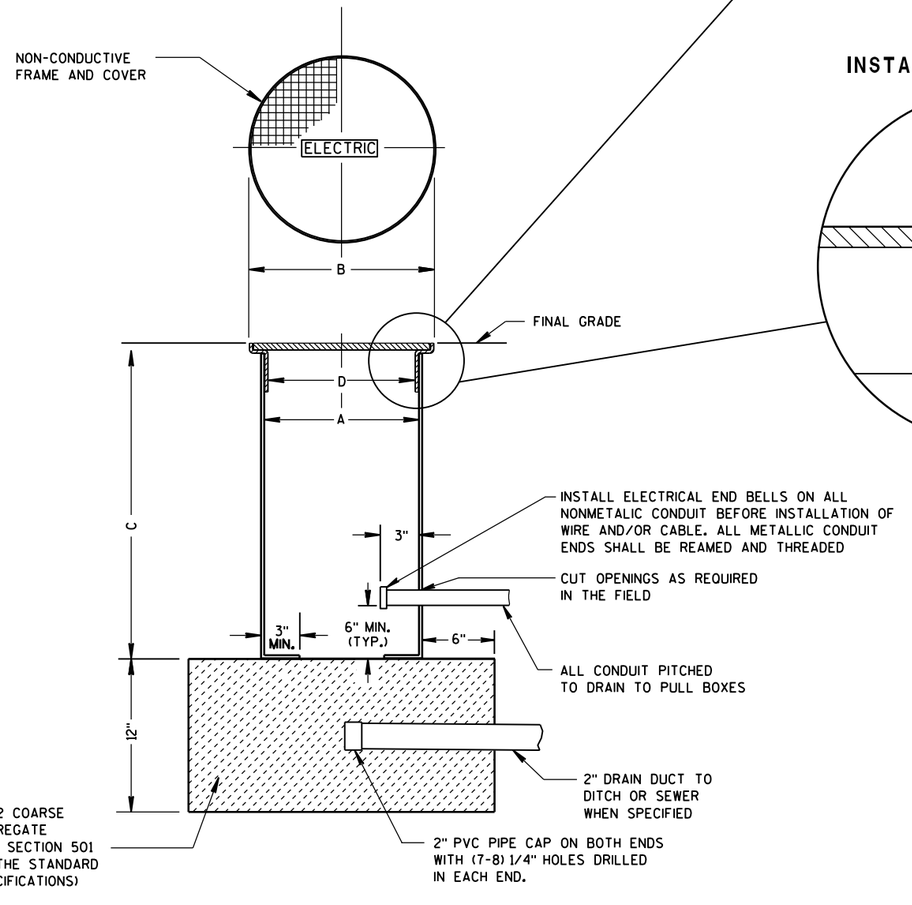
ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

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

LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.

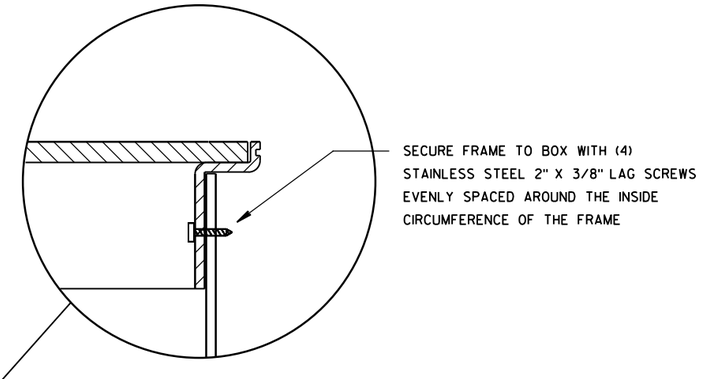


BOX EXTENSION

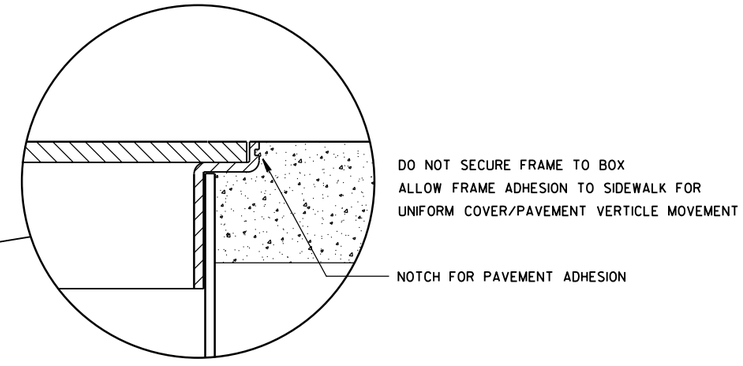


NON-CONDUCTIVE PULL BOX

INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



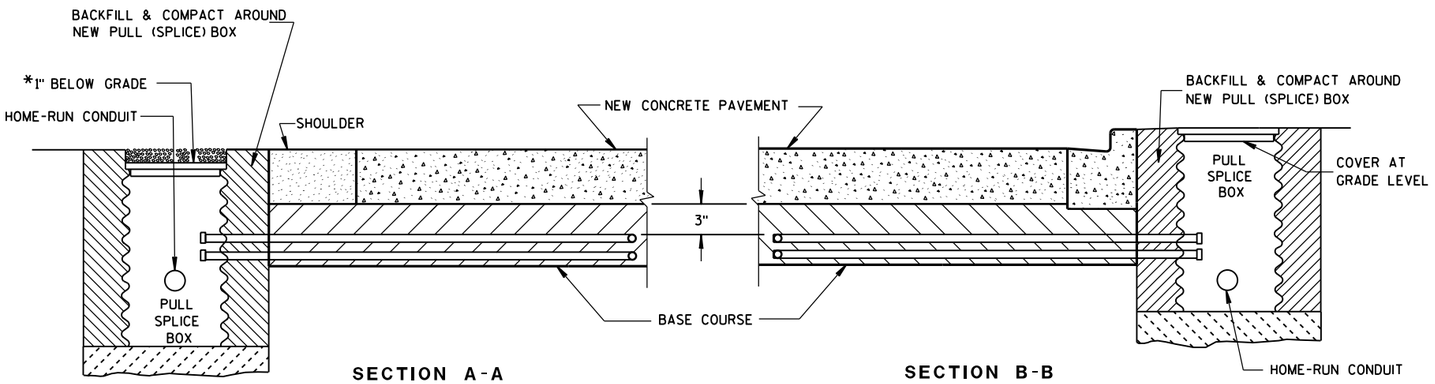
PULL BOX NON-CONDUCTIVE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 B 16-1



SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

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

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

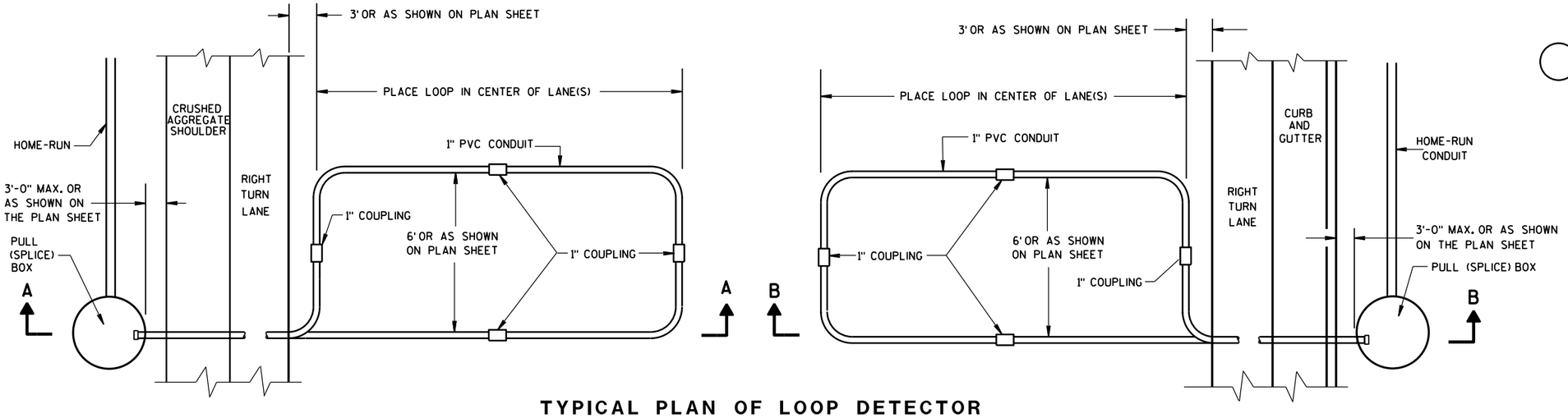
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

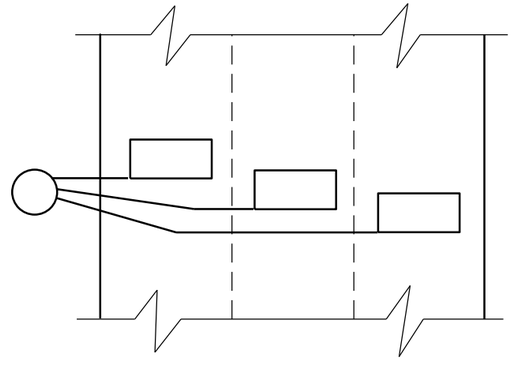
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICED CONTINUOUS LENGTH.

PROTECTION OF THE CONDUITS IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.

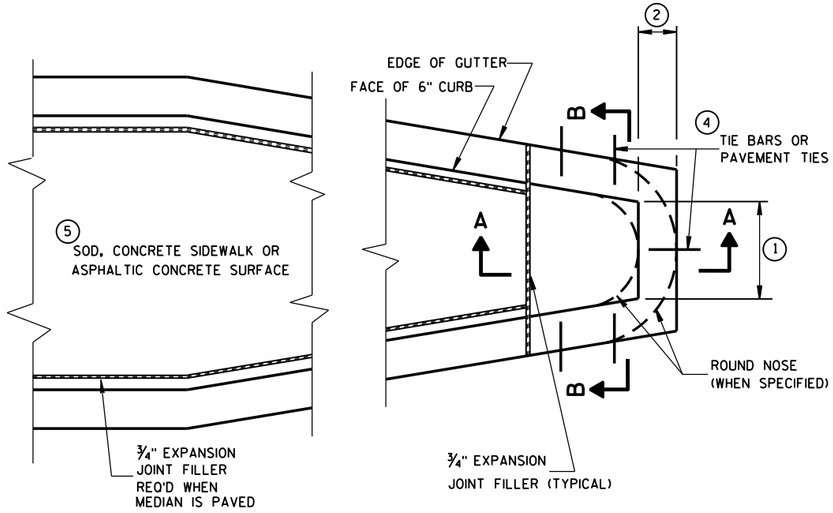


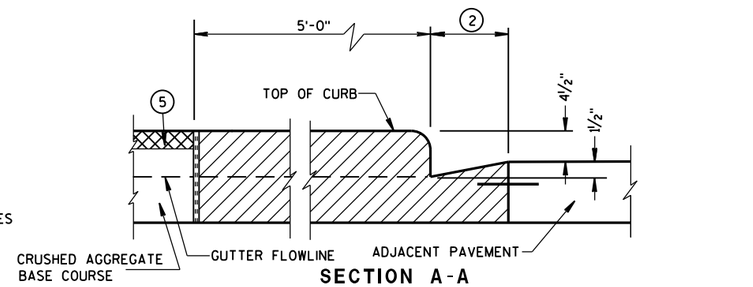
TYPICAL PLAN OF LOOP DETECTOR WITH 24" PULL (SPLICE) BOX



MULTI-LANE INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED Sept. 2014 — DATE /S/ Ahmet Demirbilek — STATE ELECTRICAL FHWA





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.

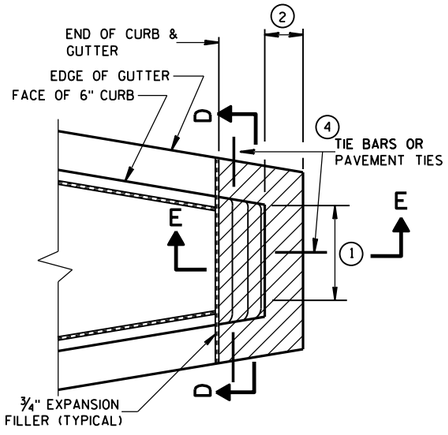
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

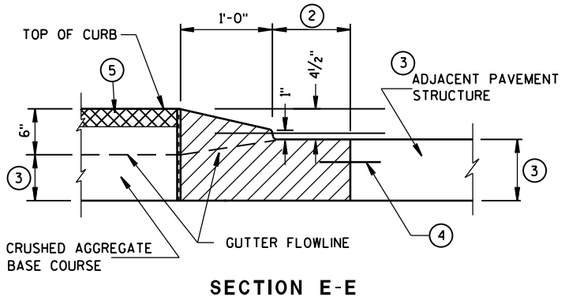
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(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.

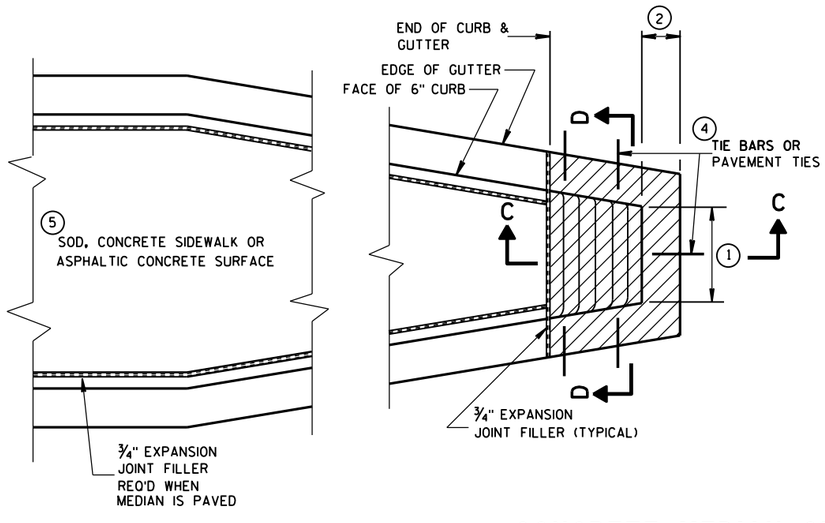
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

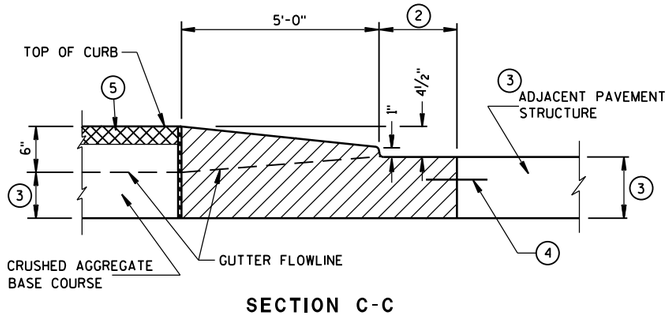




SECTION E-E

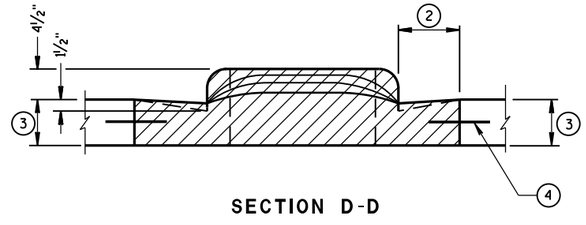
CONCRETE MEDIAN SLOPED NOSE TYPE 2





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 D ENGINEER
FHWA

6

S.D.D. 11 B 2-2

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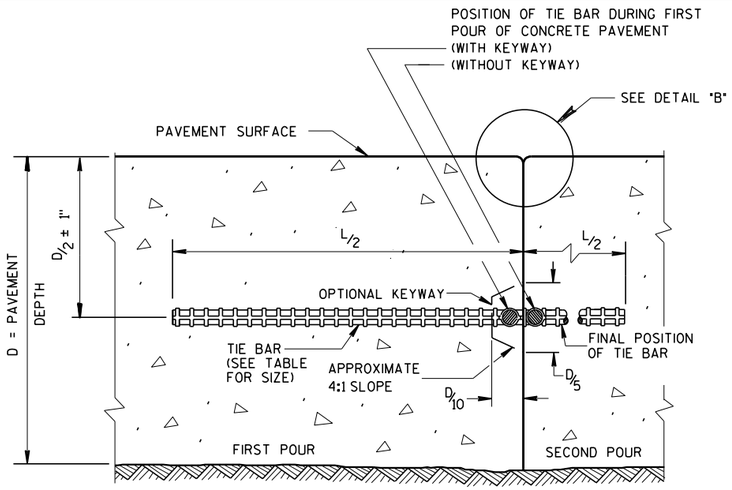
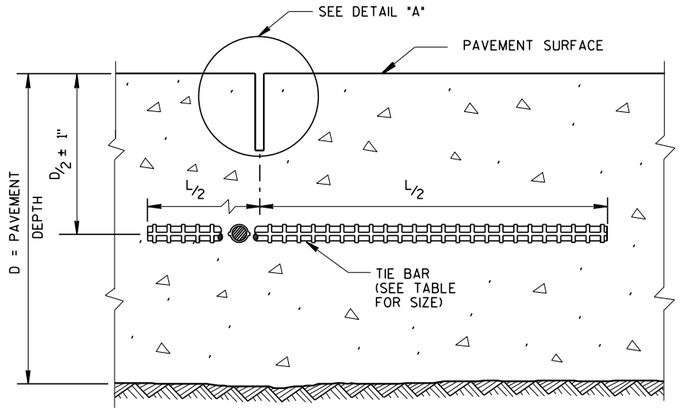
S.D.D. 11 B 2-2



CONSTRUCTION JOINT



SAWED JOINT

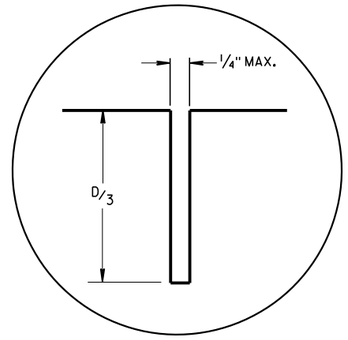
GENERAL NOTES

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

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

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

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



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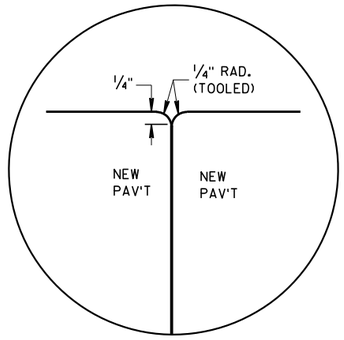
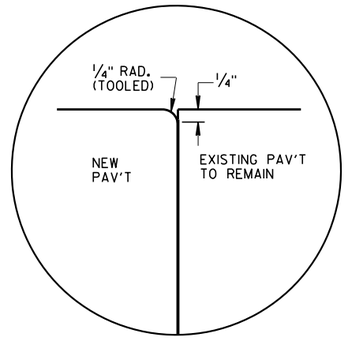
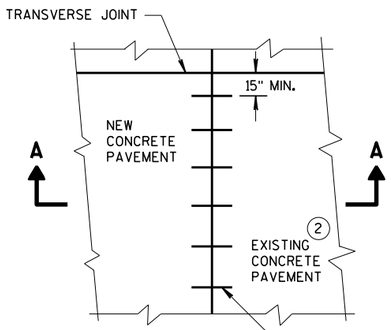


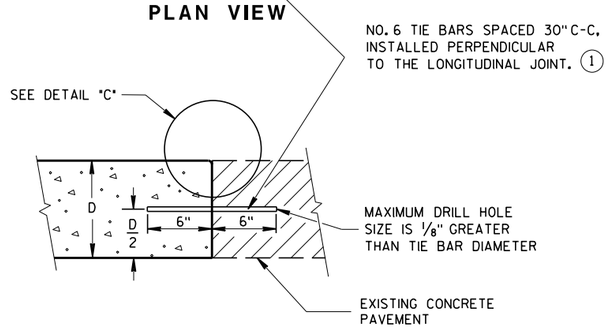
DETAIL "B"



DETAIL "C"



PLAN VIEW



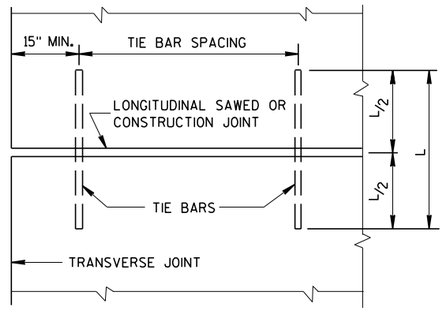
SECTION A-A
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

TIE BAR TABLE

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

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

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



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Peter Kerr, P.E. — PAVEMENT SUPE
FHWA

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S.D.D. 13 C 1-19

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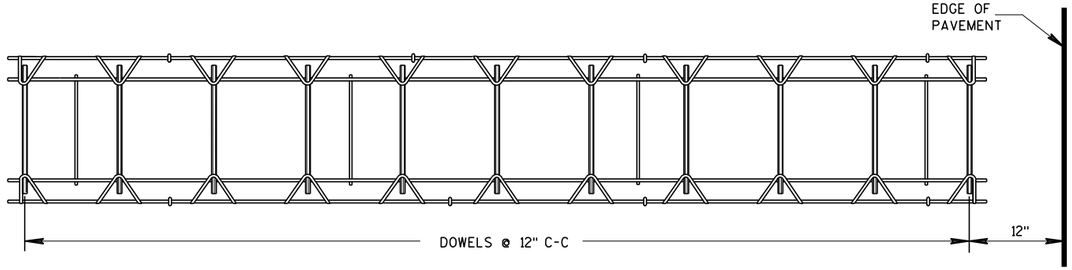
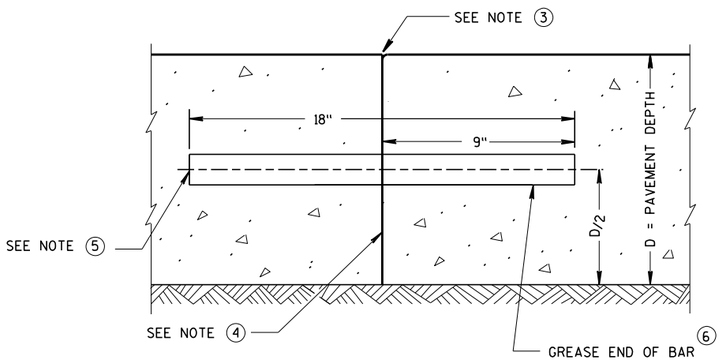
S.D.D. 13 C 1-19



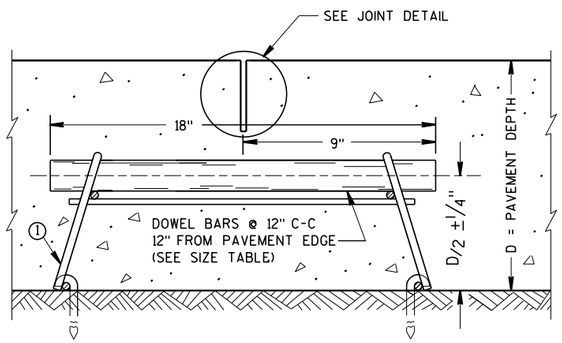
PLAN VIEW

SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY ①



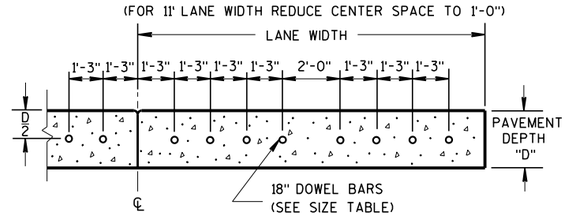
TRANSVERSE CONSTRUCTION JOINT



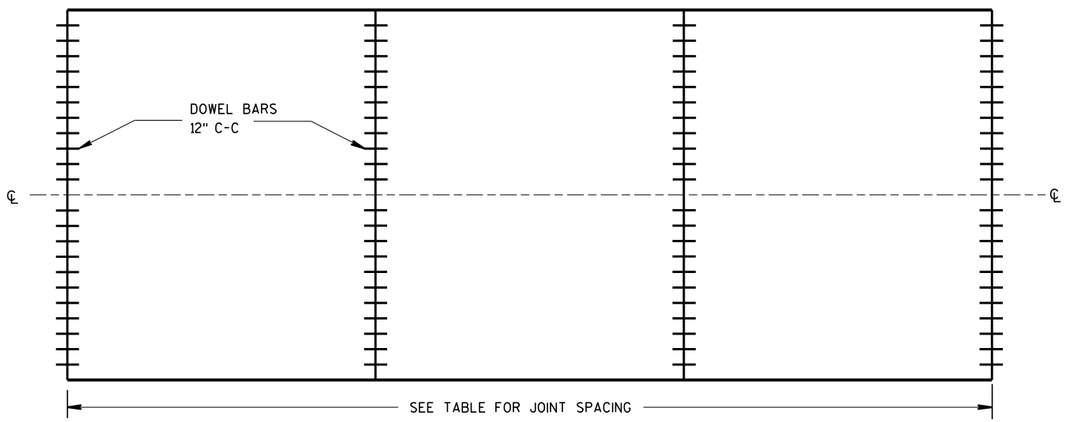
DOWELED CONTRACTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'



DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦



CONTRACTION JOINT LOCATIONS

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES AND A MAXIMUM OF 18 INCHES FROM THE LONGITUDINAL JOINT AND THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

① OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTING CONTRACTION JOINTS.

② SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

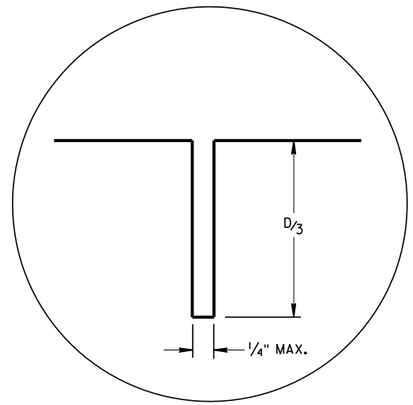
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼-INCH RADIUS AT FORMED JOINTS.

④ PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

⑤ INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO *DRILLED DOWEL BAR CONSTRUCTION JOINT* DETAIL.

⑥ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

⑦ ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



JOINT DETAIL

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUP

FHWA

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S.D.D. 13 C 13-9

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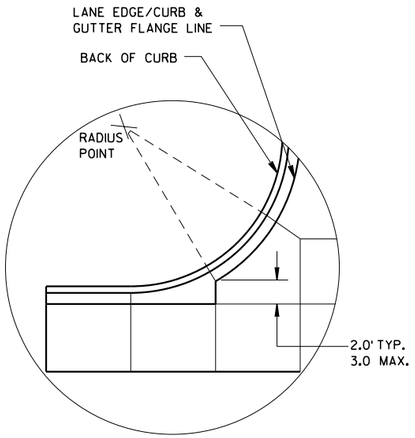
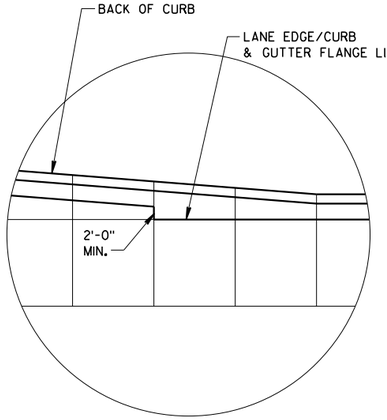
S.D.D. 13 C 13-9



DETAIL "A"



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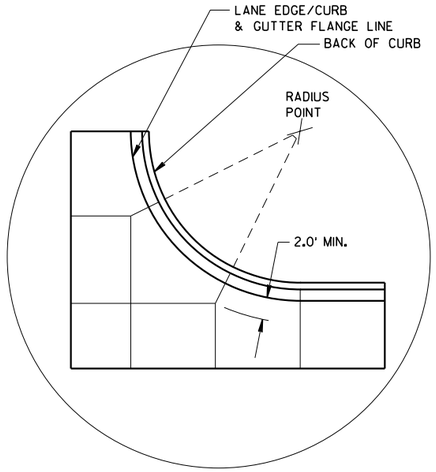

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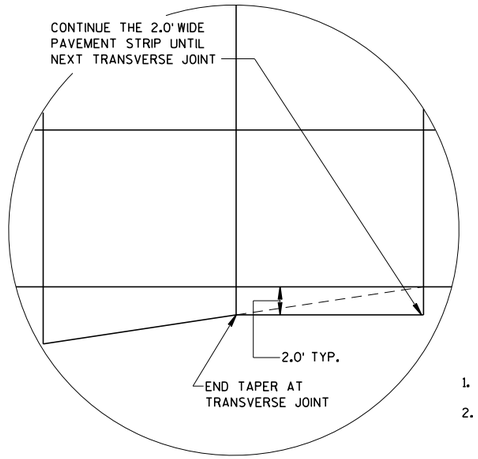


DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G. MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

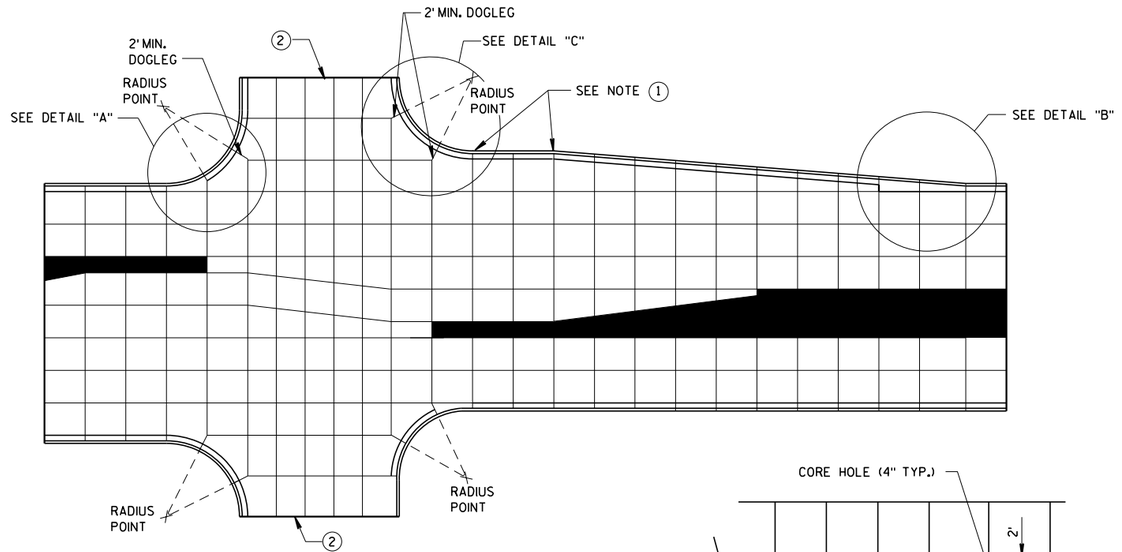
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.

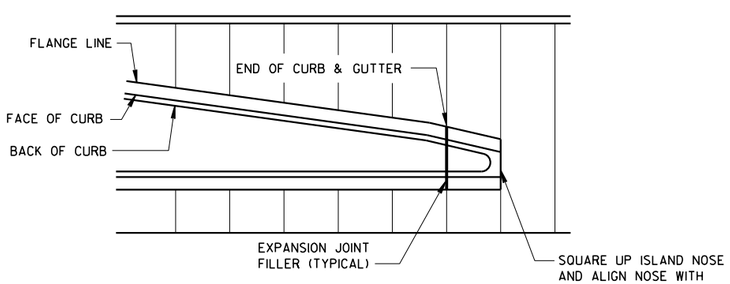


STANDARD INTERSECTION

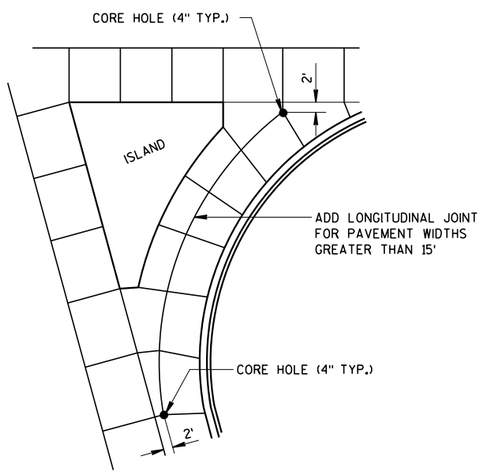
PAVEMENT DEPTH AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'

SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

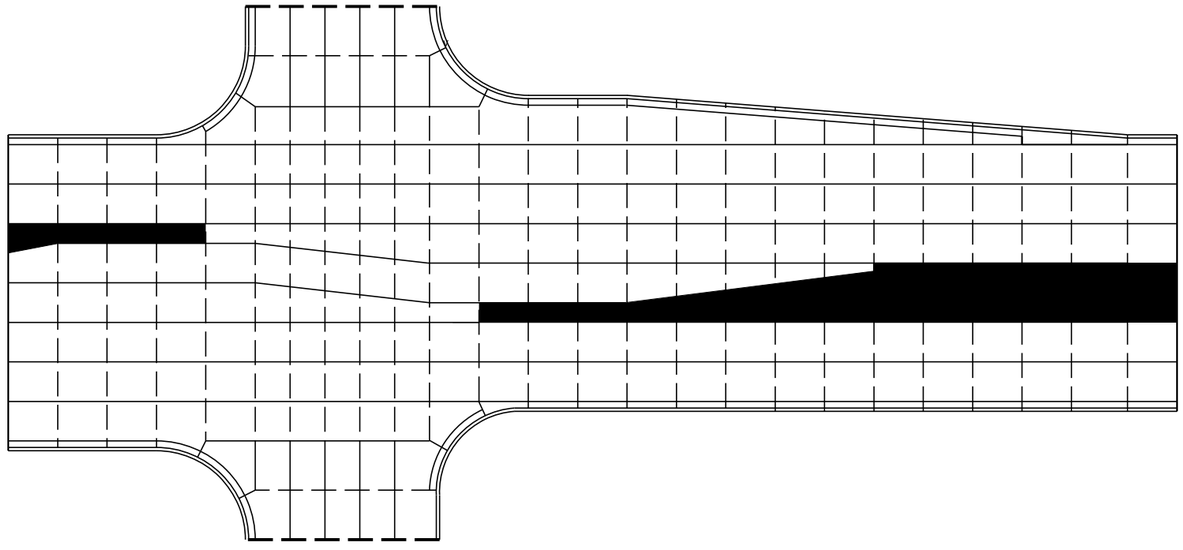
6
S.D.D. 13 C 18-6a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

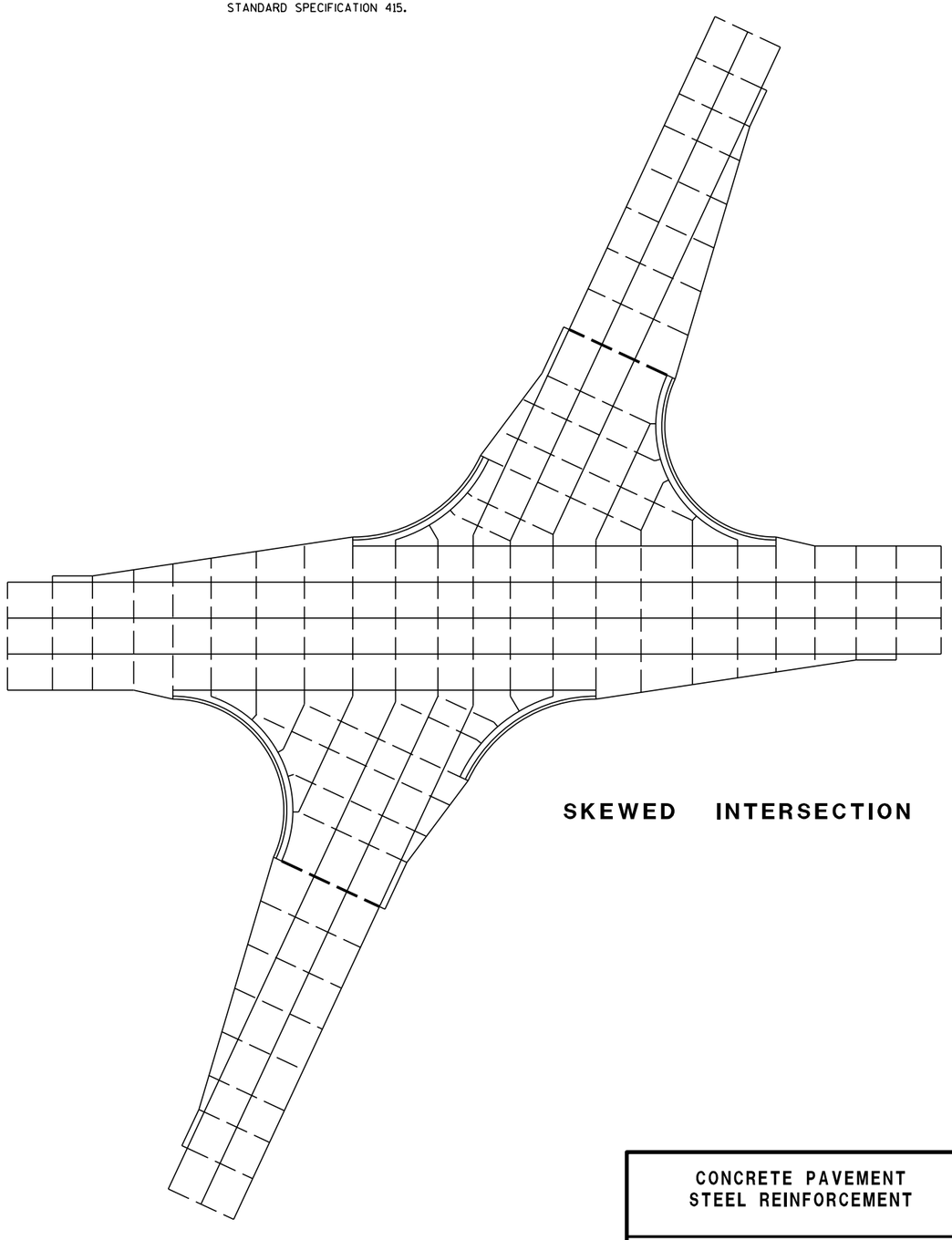
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

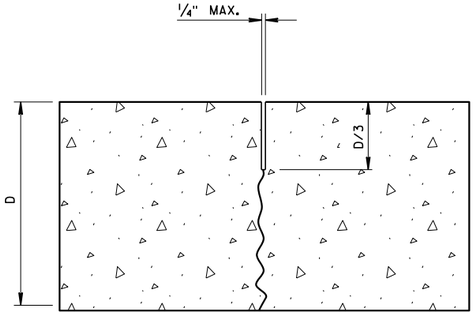
S.D.D. 13 C 18-6b

CONCRETE PAVEMENT
STEEL REINFORCEMENT

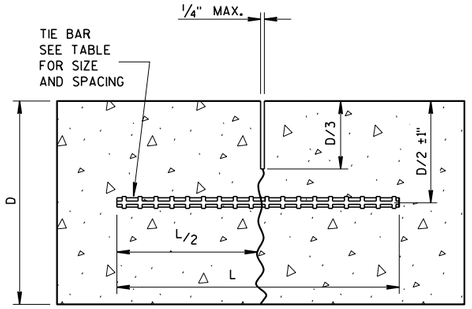
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 13 C 18-6b



UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

TIE BAR TABLE

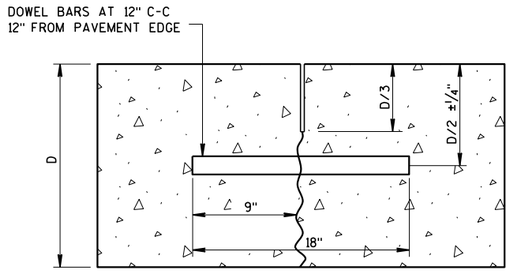
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* 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.

GENERAL NOTES

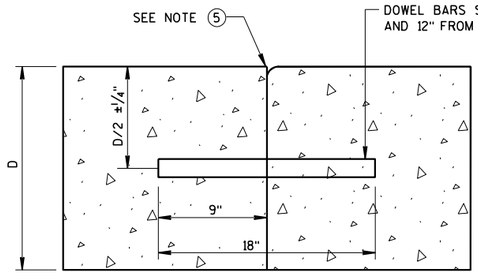
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A 1/4-INCH RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



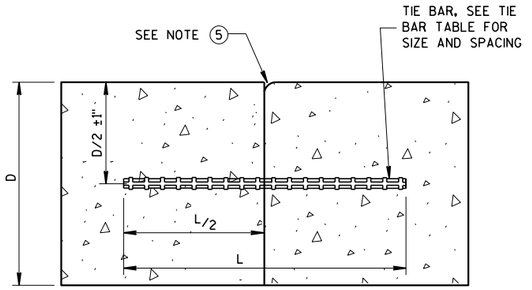
DOWELED-TRANSVERSE

CONTRACTION JOINTS

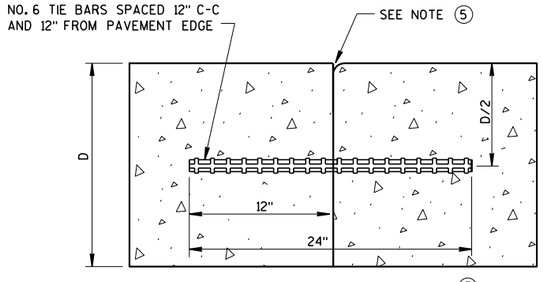
SEE NOTE (2)



DOWELED TRANSVERSE (3)

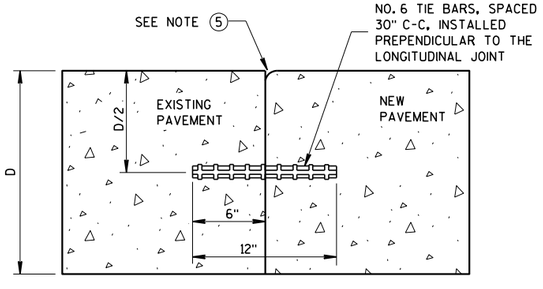


TIED LONGITUDINAL



TIED TRANSVERSE (3)

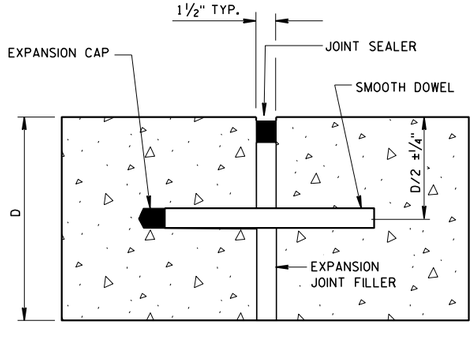
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

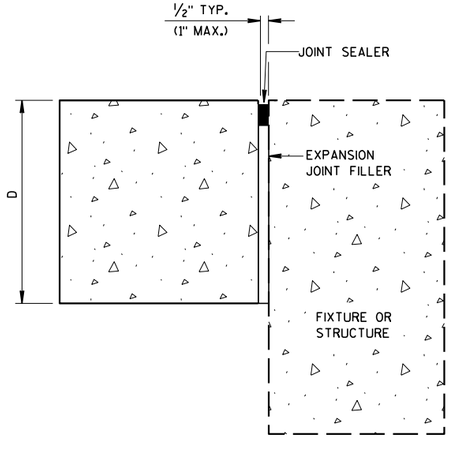
CONSTRUCTION JOINTS

SEE NOTE (4)



DOWELED-TRANSVERSE

SEE NOTE (1)



UNTIED-LONGITUDINAL

EXPANSION JOINTS

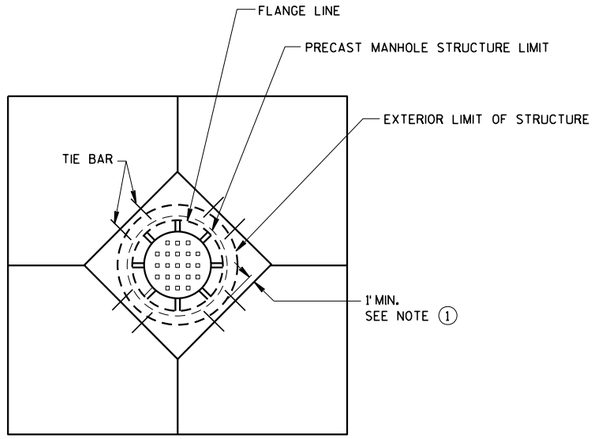
6

S.D.D. 13 C 18-6c

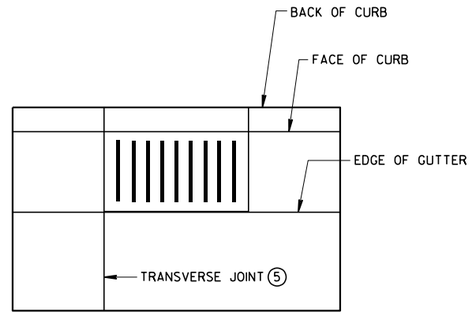
CONCRETE PAVEMENT
JOINT TYPES

6

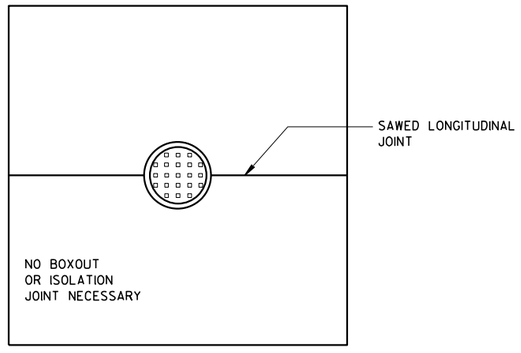
S.D.D. 13 C 18-6c



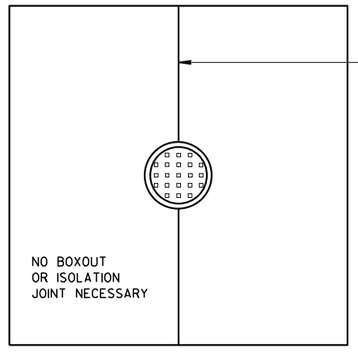
DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS



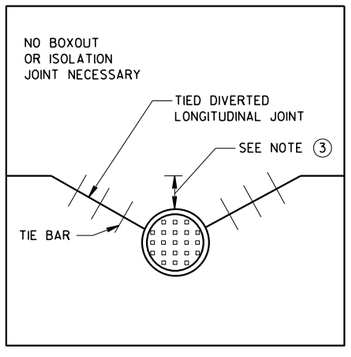
INLET WITH TRANSVERSE JOINT



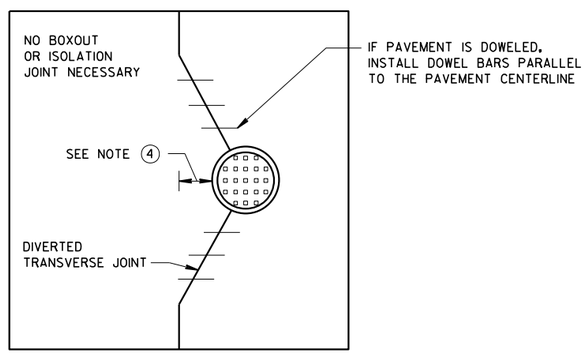
MANHOLE WITH LONGITUDINAL JOINT



MANHOLE WITH TRANSVERSE JOINT



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT

GENERAL NOTES

(1) USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1-FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.

(2) ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.

(3) IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDIAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

(4) IF DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

(5) ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Peter K[illegible] P.E. — PAVEMENT SUPT
FHWA

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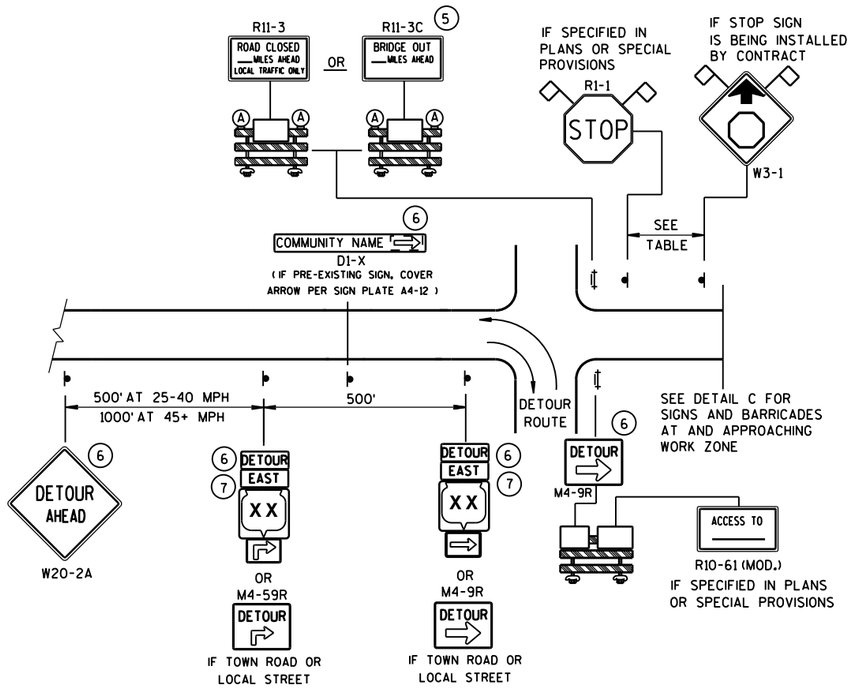
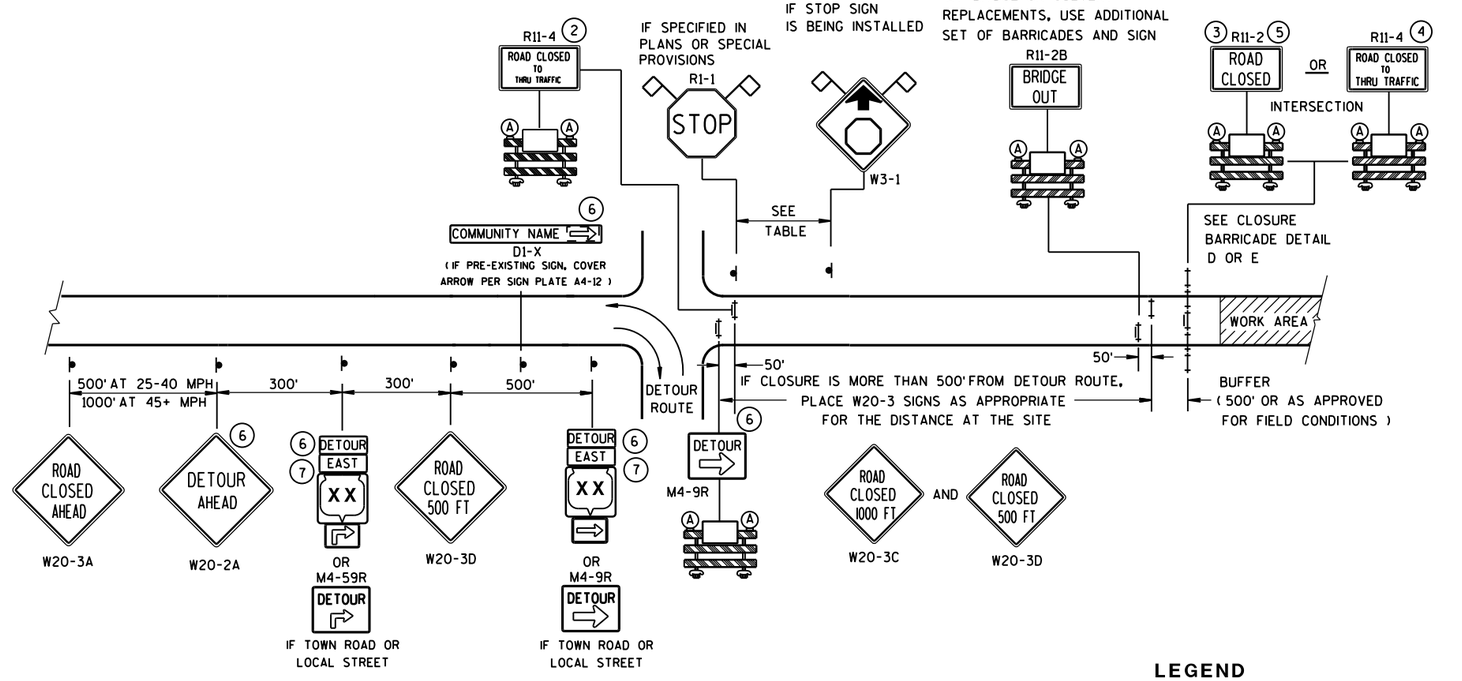
S.D.D. 13 C 18-6d



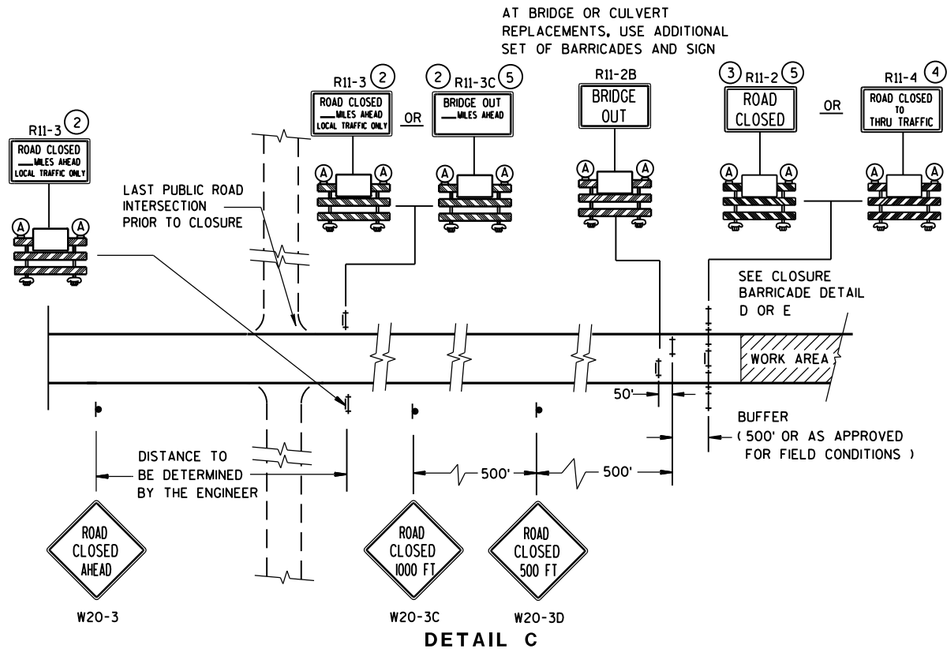
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

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

LEGEND

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

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

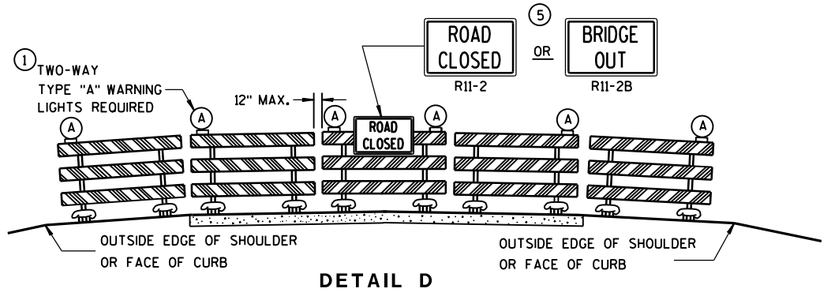
BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

S.D.D. 15 C 2-6a

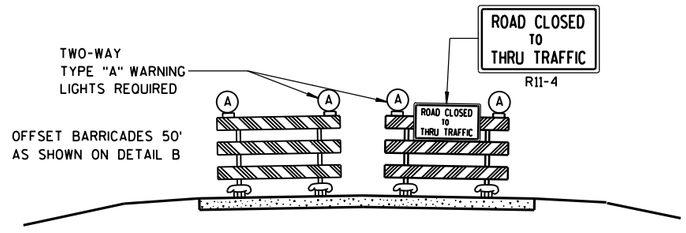
S.D.D. 15 C 2-6a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-SHEET "**a**" FOR LEGEND

GENERAL NOTES

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

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

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

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

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO 99 FIC
SAFETY ENGI
FHWA

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

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

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

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

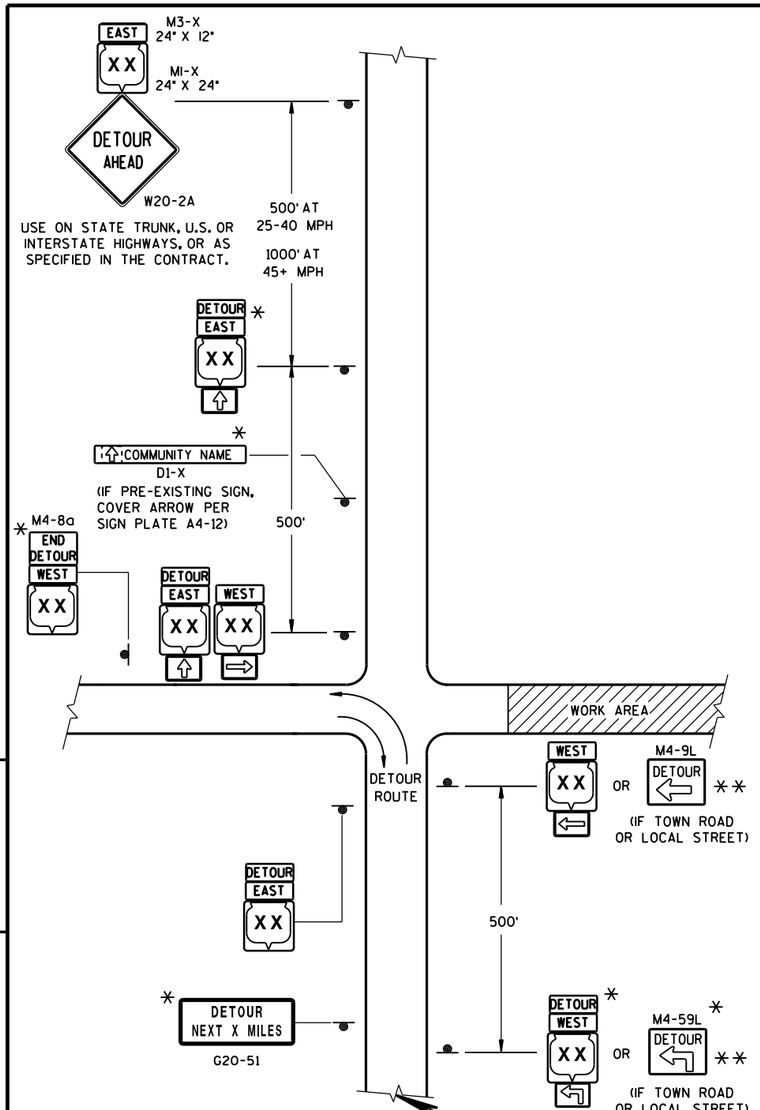
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

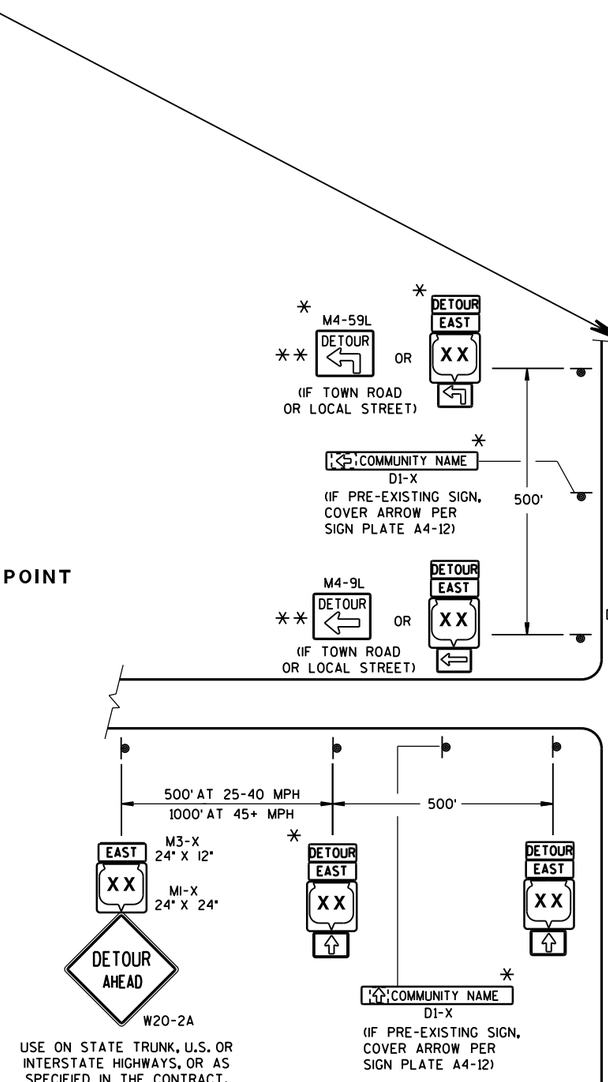
SIGN SIZES SHALL BE AS FOLLOWS:

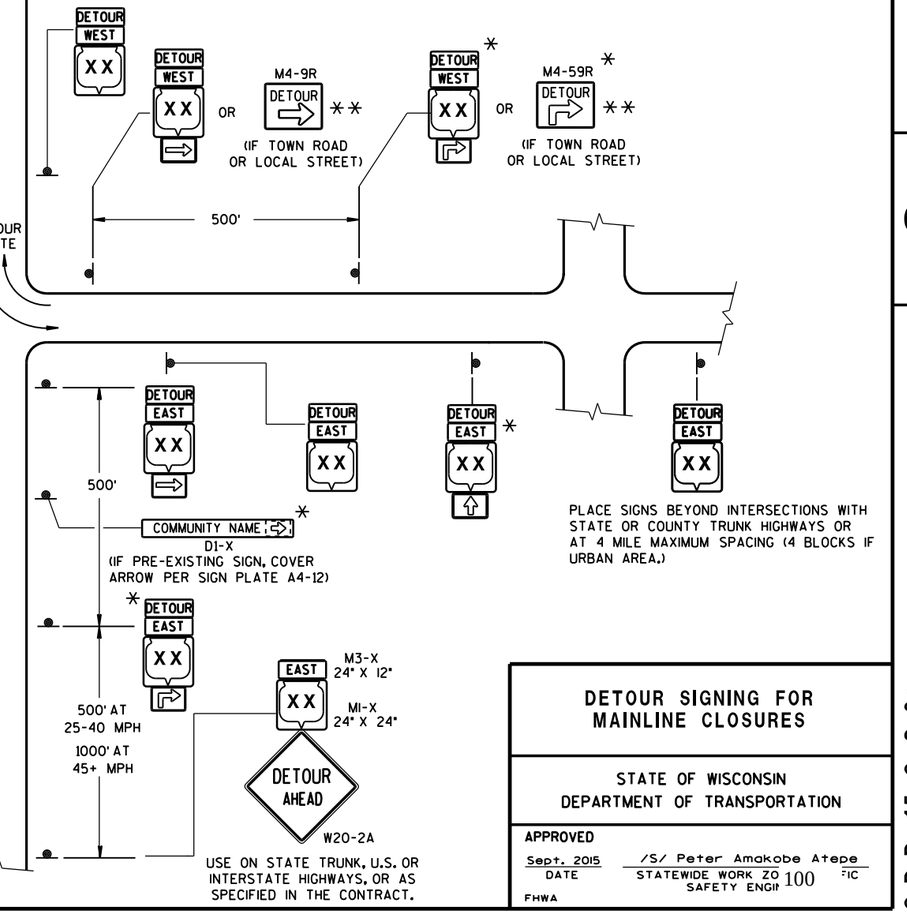
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-9 SHALL BE 30" X 24".
- M4-8a SHALL BE 24" X 18".
- G20-51 SHALL BE 60" X 24".
- W20-2 SHALL BE 48" X 48".
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.







LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR EAST — M4-8 / M3-X
- XX OR COUNTY XX OR XX — M1-4 / M1-5A / M1-6
- MO5-1 OR MO6-1 OR MO6-1

SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD 15C2-SHEET "a"

DETAIL F

DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

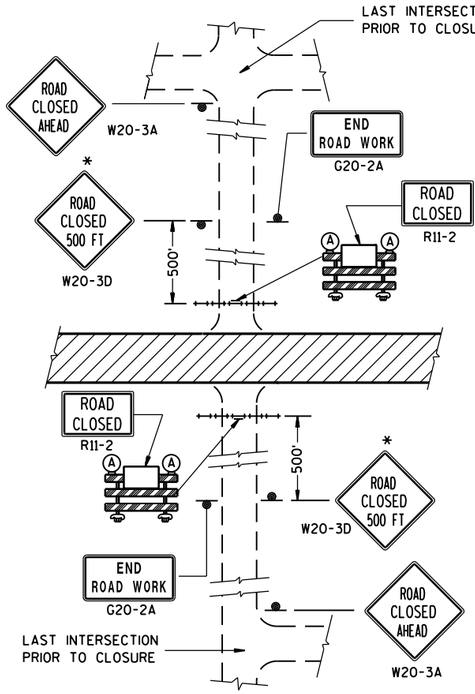
Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO SAFETY ENGI

FHWA

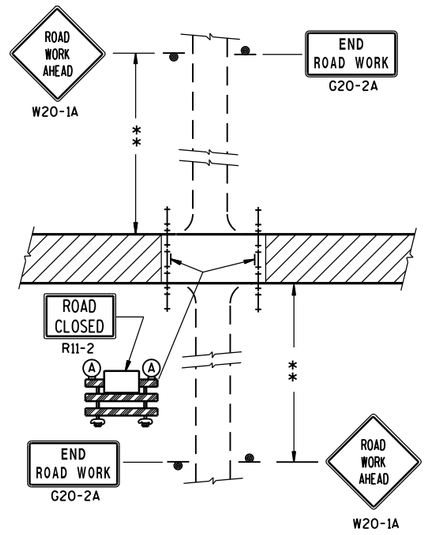
S.D.D. 15 C 2-6c

S.D.D. 15 C 2-6c



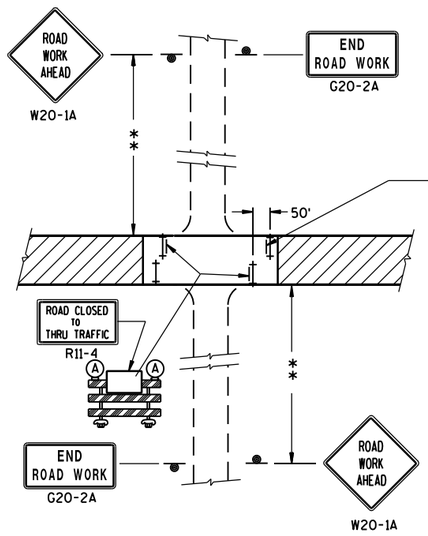
DETAIL 1

(NO ACCESS TO PROJECT)



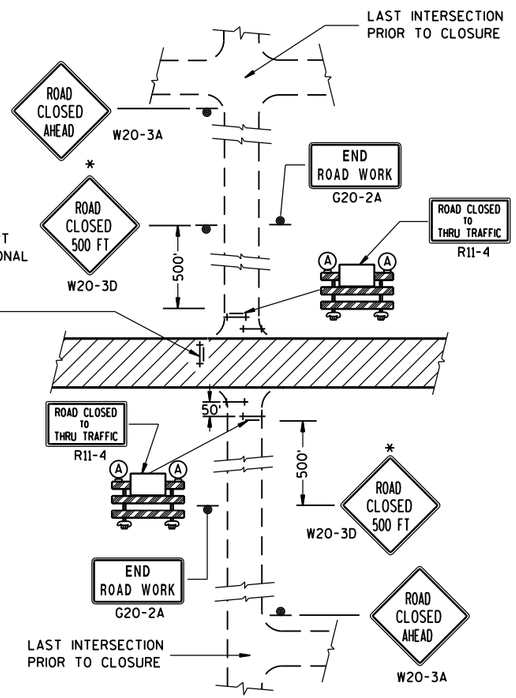
DETAIL 2

(PUBLIC CROSS-TRAFFIC MAINTAINED. NO ACCESS TO PROJECT).



DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS).



DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

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

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

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

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

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2017 — DATE
/S/ Andrew Heidtke — WORK ZONE ENG
FHWA

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S.D.D. 15 C 3-4

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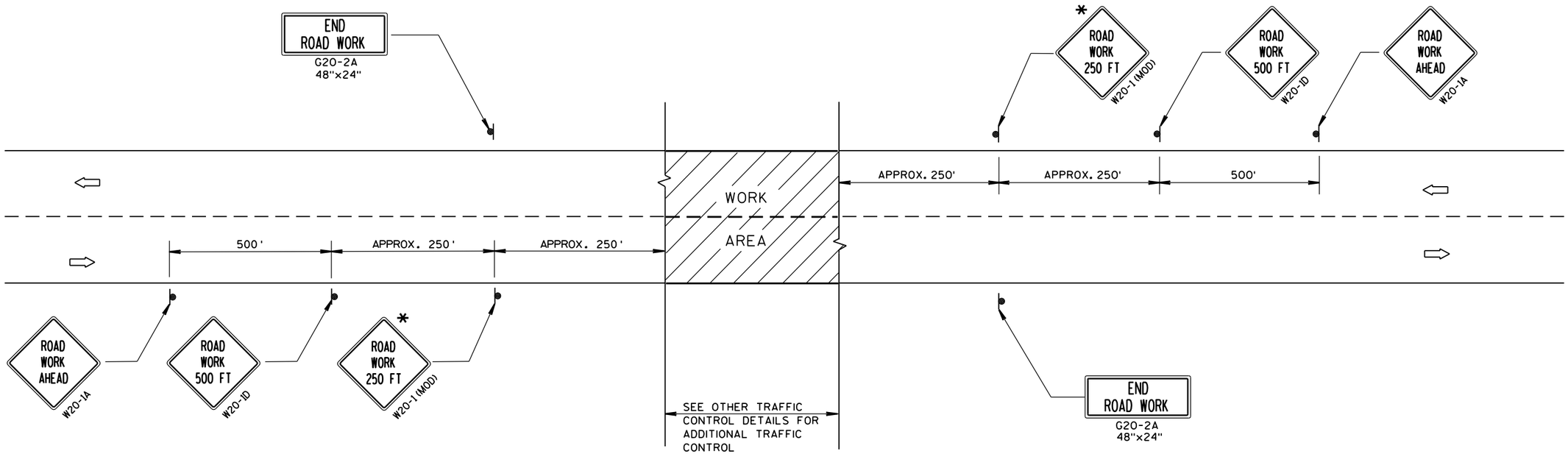
S.D.D. 15 C 3-4

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.

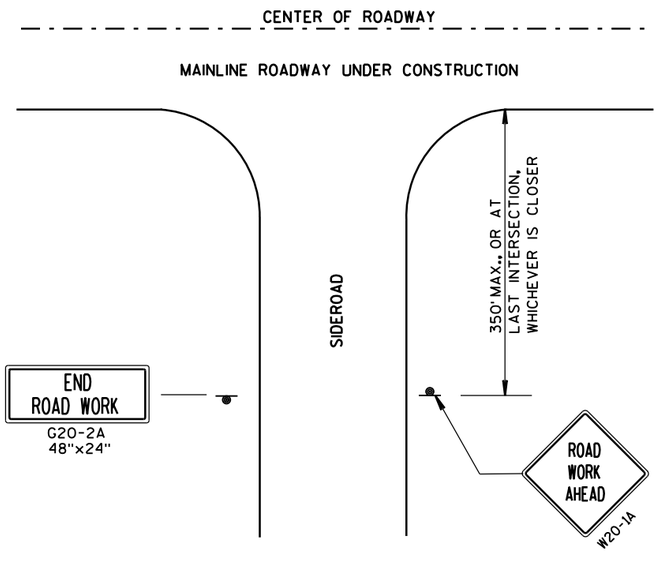
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

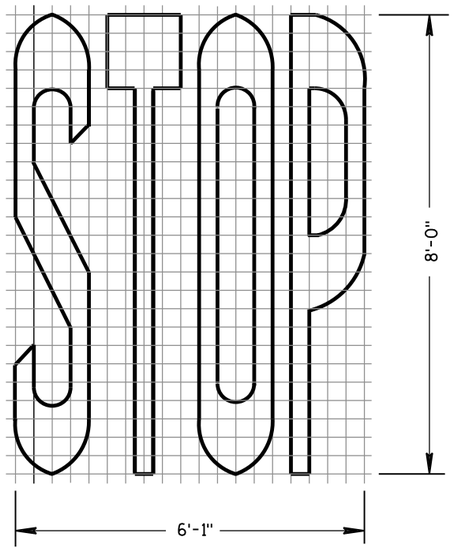
APPROVED
Sept. 2017 — DATE
/S/ Andrew Heldtke — WORK ZONE ENG
FHWA

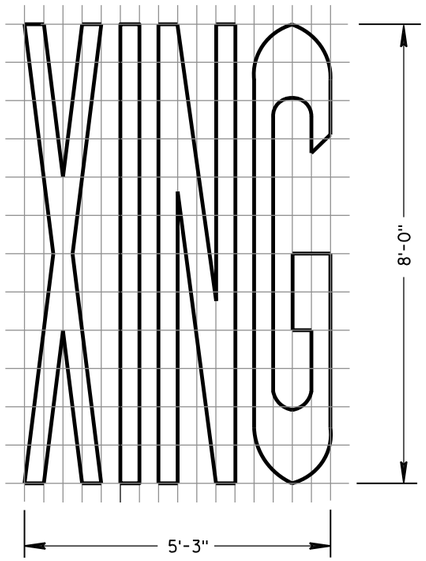
6

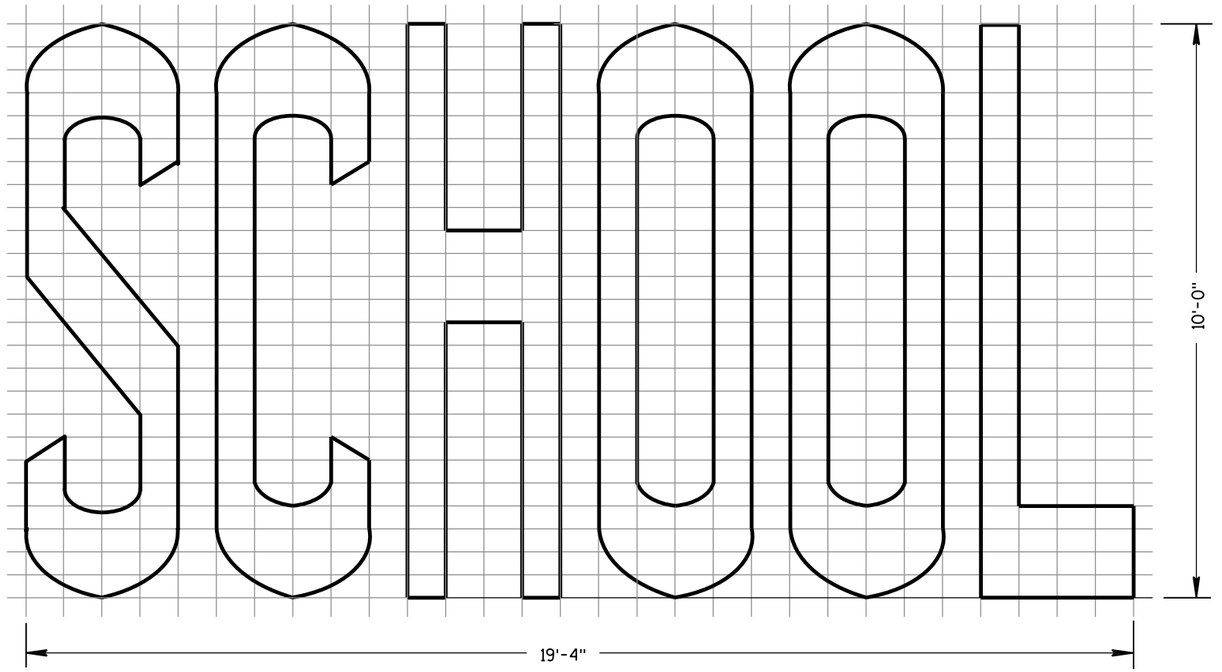
S.D.D. 15 C 5-4

GENERAL NOTES

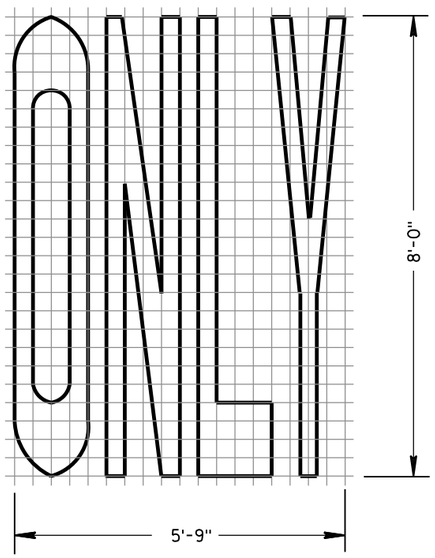
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

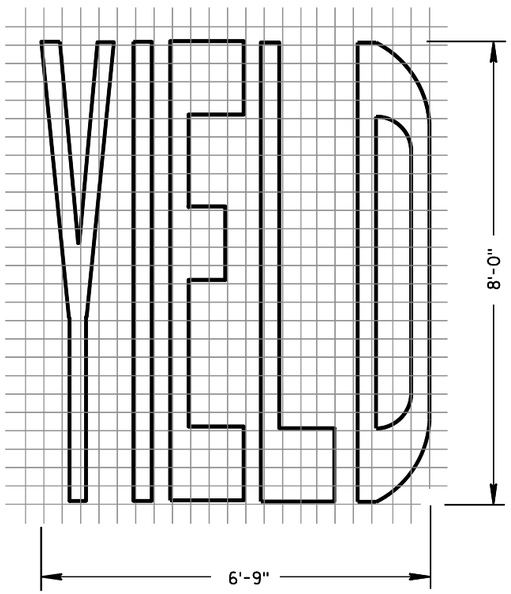


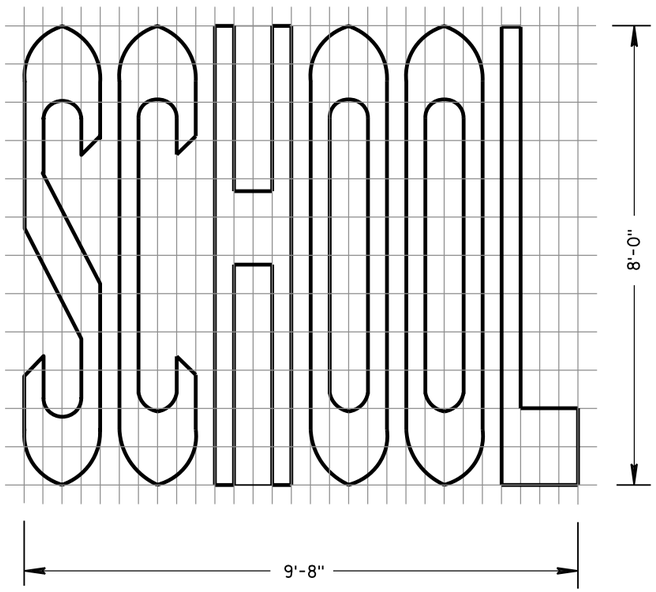




TWO-LANE







SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARK
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S.D.D. 15 C 7-14b

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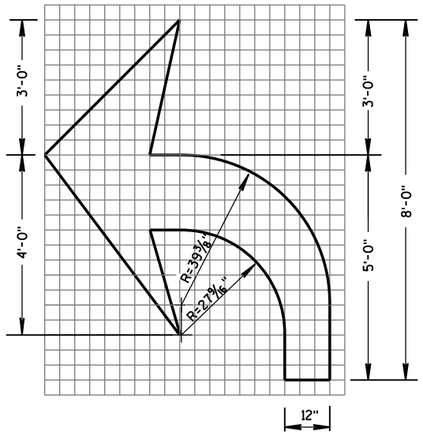
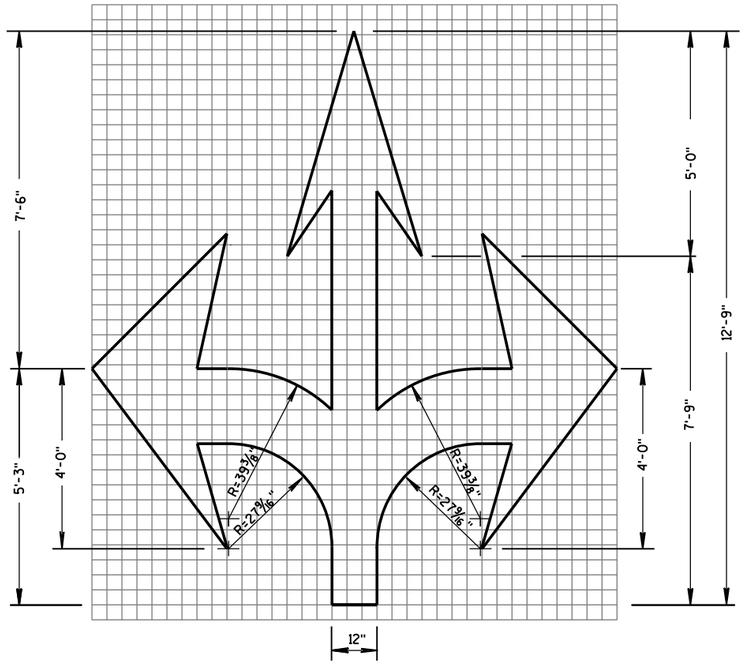
S.D.D. 15 C 7-14b

GENERAL NOTES

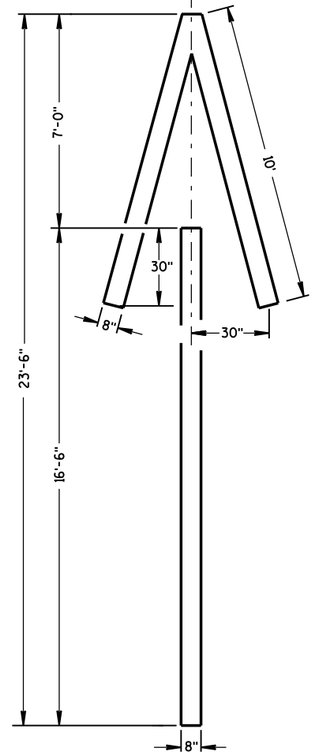
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



TYPE 2



TYPE 6



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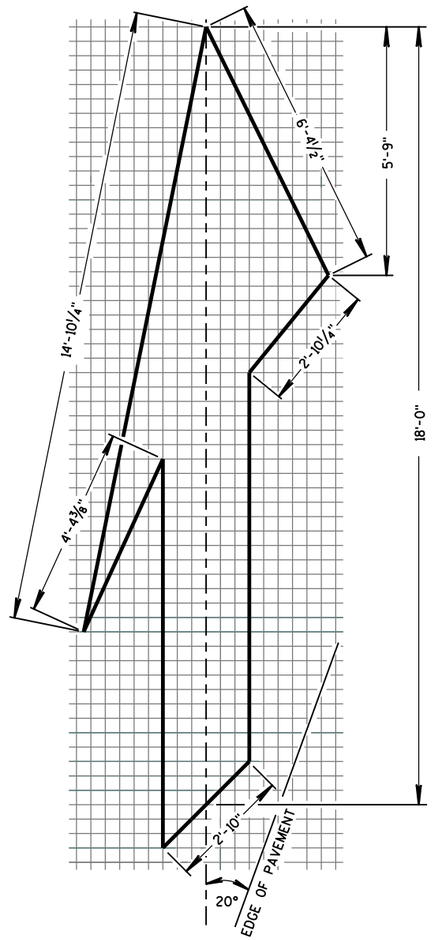
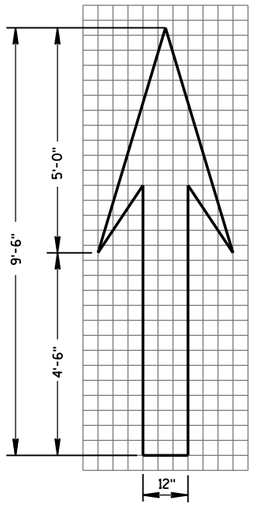
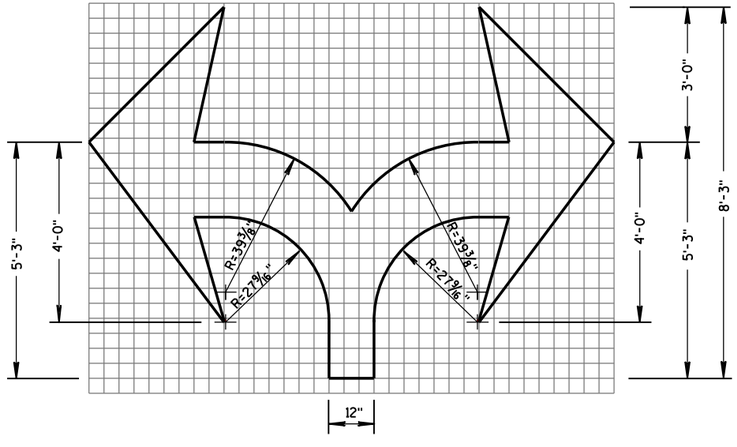


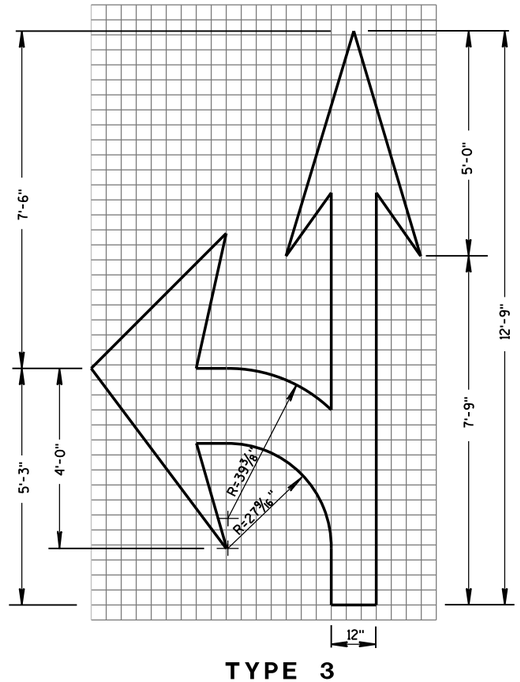
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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June 2017 — DATE
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S.D.D. 15 C 7-14c

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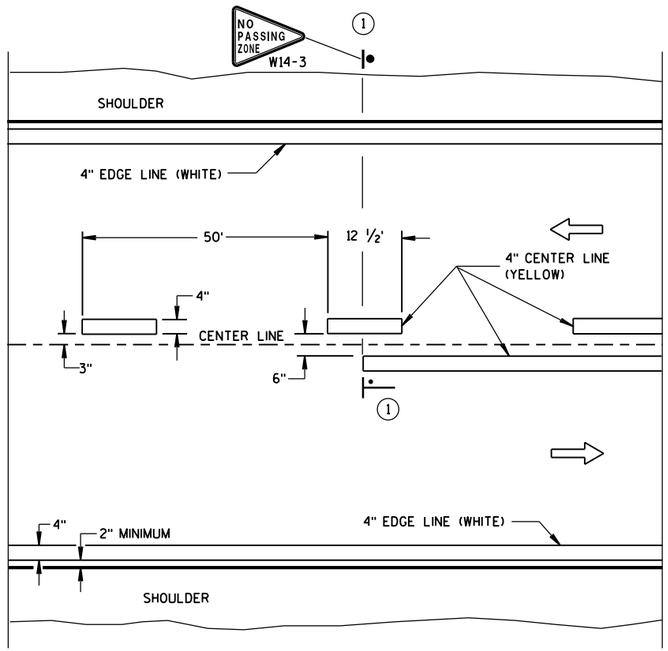
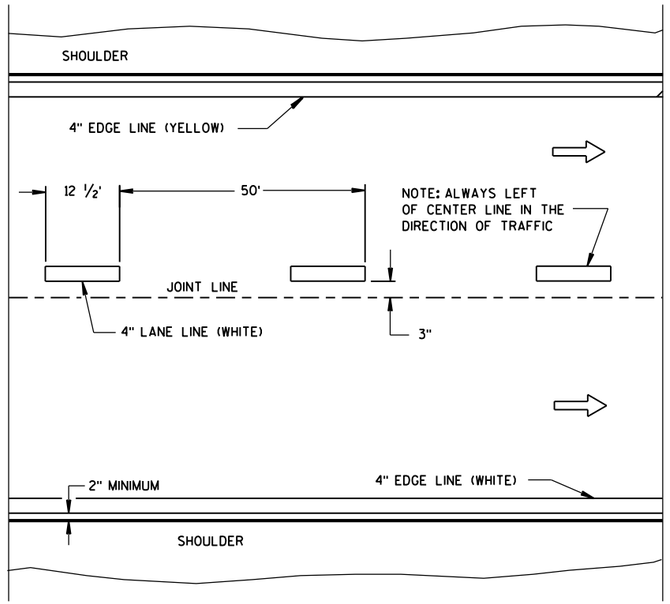
S.D.D. 15 C 7-14c



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

GENERAL NOTES

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

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING.

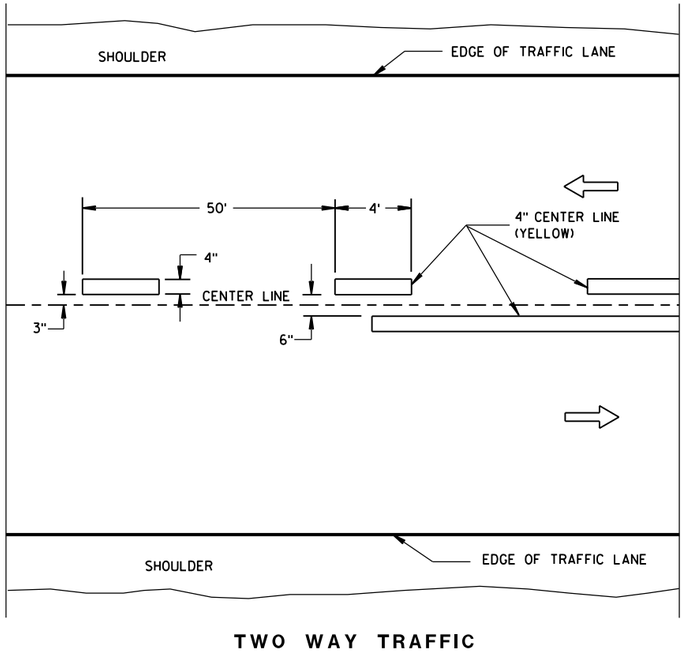
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

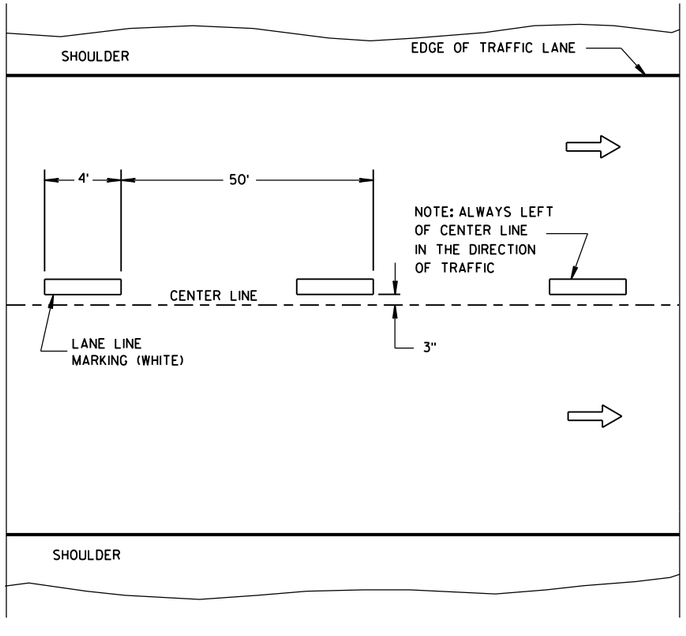
LEGEND

"T" MARKING

POST MOUNTED SIGN



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

LONGITUDINAL MARKING (MAINLINE)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017 DATE	/S/ Matthew R. Rauch STATE SIGNING AND MAR[illegible]INEER
FHWA	

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S.D.D. 15 C 8-18a

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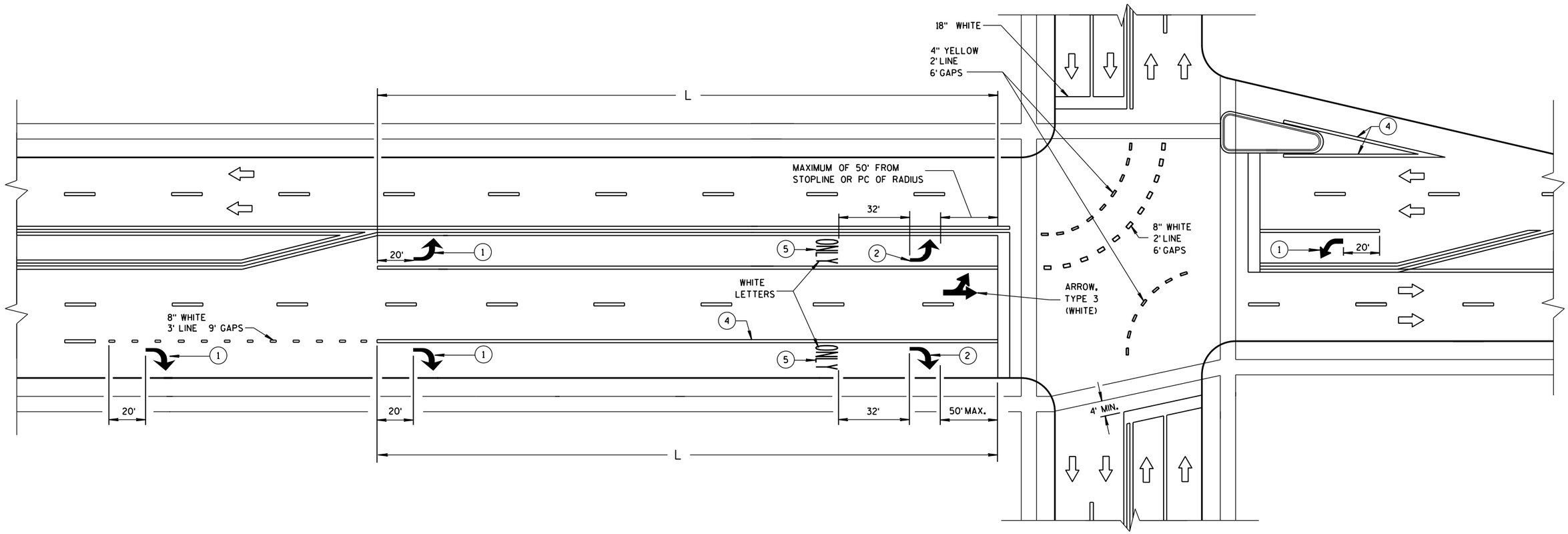
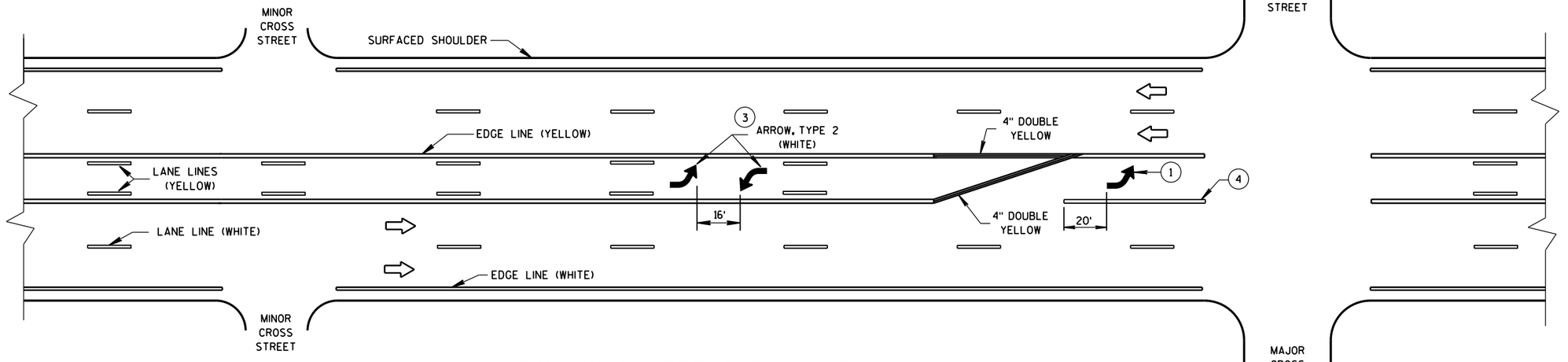
S.D.D. 15 C 8-18a





GENERAL NOTES

(1) REQUIRED ARROW, TYPE 2 (WHITE).

(2) REQUIRED ARROW, TYPE 2 (WHITE) WHEN L IS GREATER THAN 78 FEET AND LESS THAN OR EQUAL TO 166 FEET.

(3) A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.

(4) 8" WHITE

(5) REQUIRED WORD ONLY WHEN L IS GREATER THAN 166 FEET.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL

L = LENGTH OF TURN BAY

TWO WAY LEFT TURN LANE

PAVEMENT MARKING
(TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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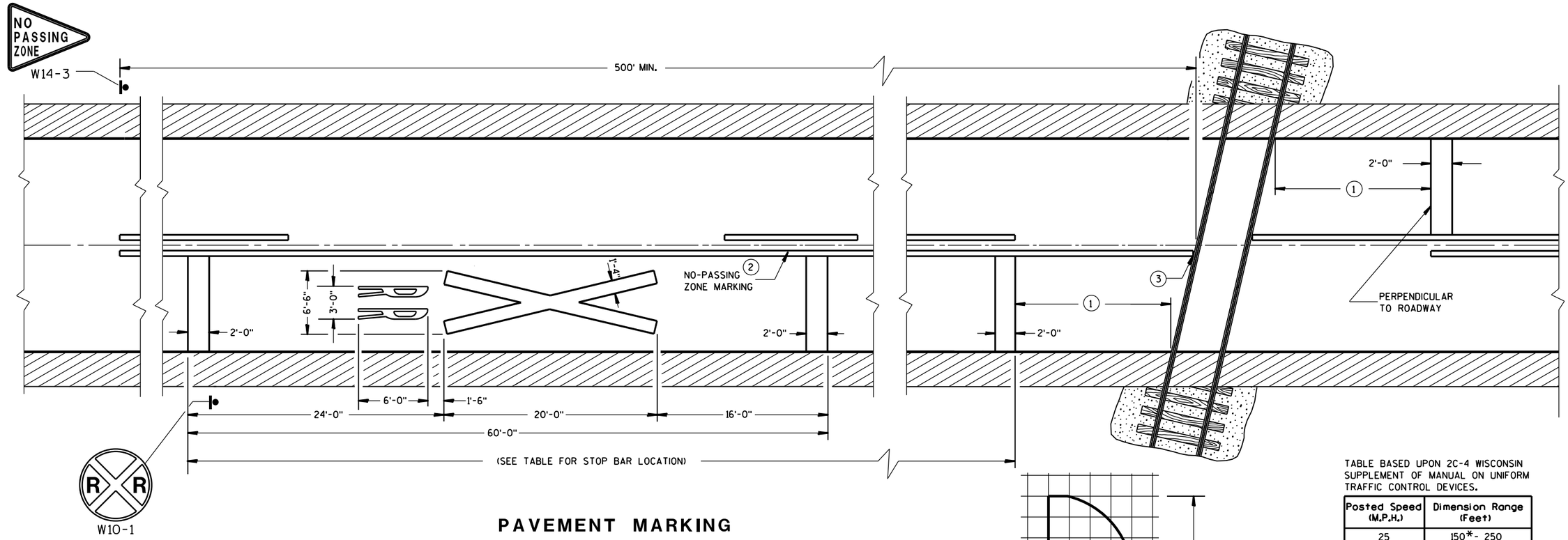
S.D.D. 15 C 8-18b



PAVEMENT MARKING

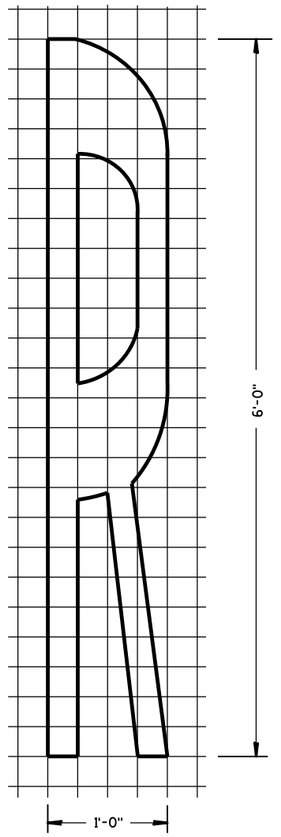


TABLE BASED UPON 2C-4 WISCONSIN SUPPLEMENT OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

Posted Speed (M.P.H.)	Dimension Range (Feet)
25	150*- 250
30	200*- 300
35	250*- 450
40	300*- 500
45	400*- 650
50	550*- 800
55	750*- 1000
60	1000*- 1250
65	1000*- 1250

* THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSE PROXIMITY OF DRIVEWAYS, BRIDGES, SIDEROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.

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.

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.

CENTER OR LANE LINES AND NO-PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

RETRACE EXISTING SYMBOL WHERE EXISTING SYMBOLS ARE PLACED.

(1) MINIMUM 8' FROM ANY RAILROAD WARNING DEVICES (SIGNALS, GATES, ETC.) OR 25' FROM THE NEAREST RAIL, WHICHEVER DISTANCE IS GREATER.

(2) 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.

(3) FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept., 2017 — DATE

/S/ Matthew R. Rauch — STATE SIGNING AND MAI[illegible]GINEER

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S.D.D. 15 C 9-11a

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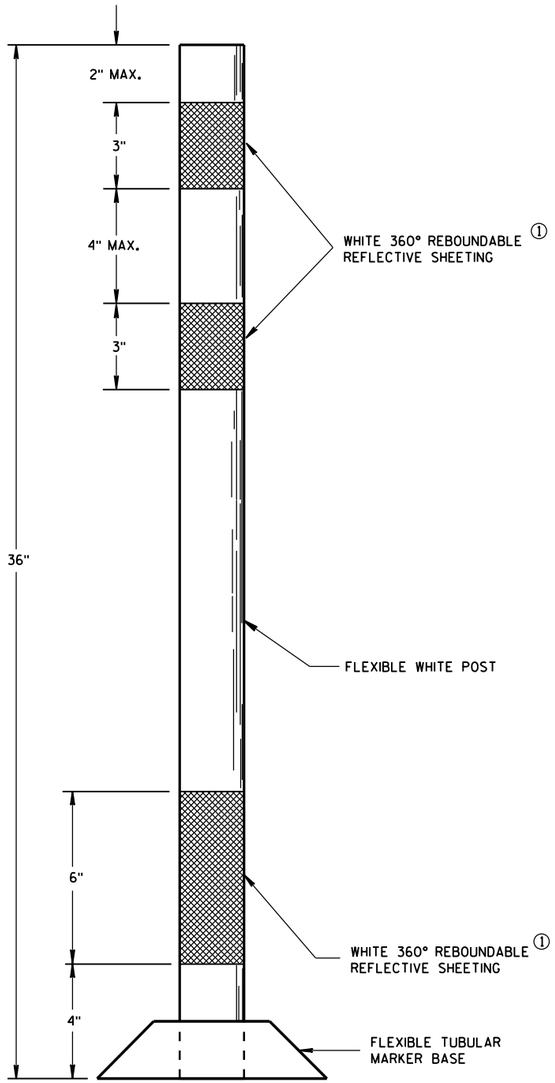
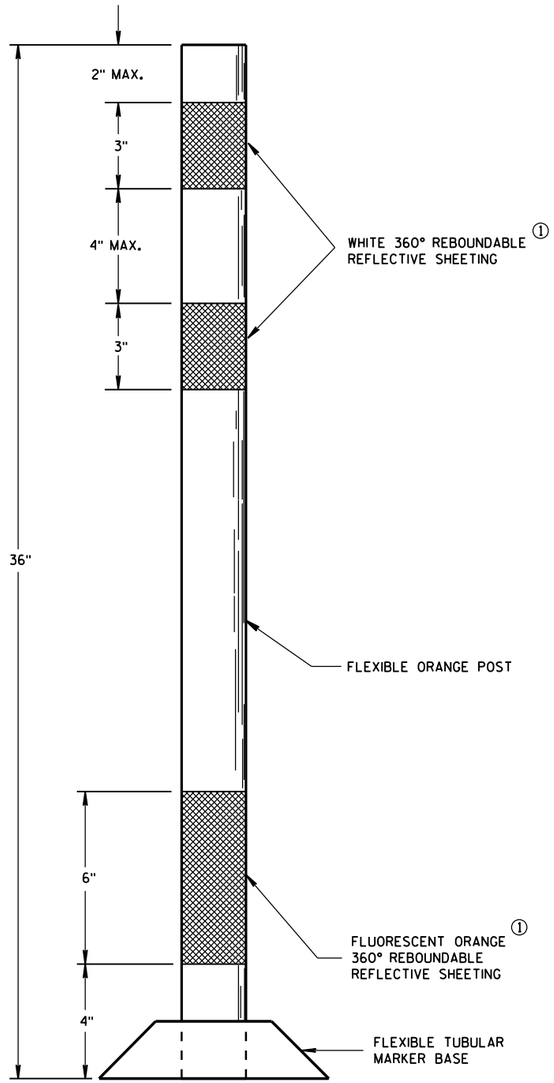
S.D.D. 15 C 9-11a



FLEXIBLE
TUBULAR MARKER POST
PERMANENT CROSSOVER



FLEXIBLE
TUBULAR MARKER POST
WORK ZONE

GENERAL NOTES

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

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

① REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

CHANNELIZING DEVICES
FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Andrew Heldtke — WORK ZONE ENGI
FHWA

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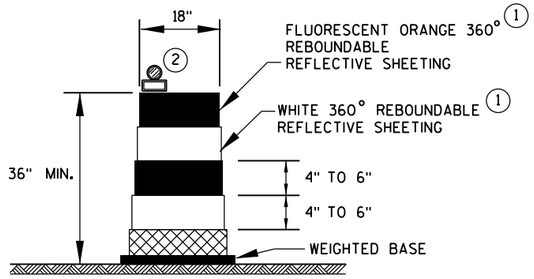
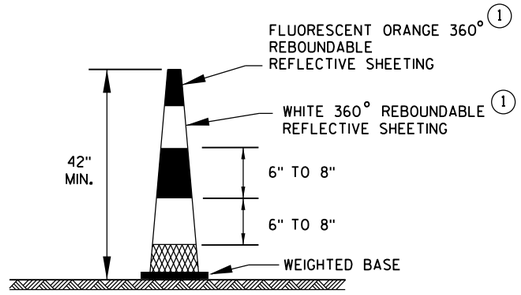
S.D.D. 15 C 11-7a



DRUM

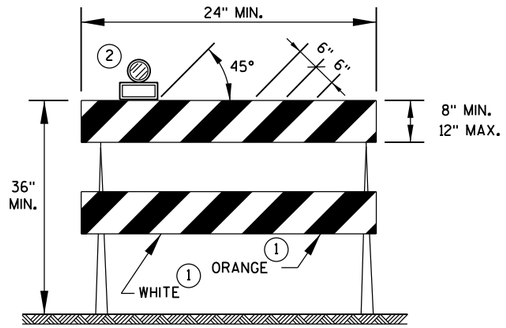


42" CONE

DO NOT USE IN TAPERS
1/2 SPACING OF DRUMS

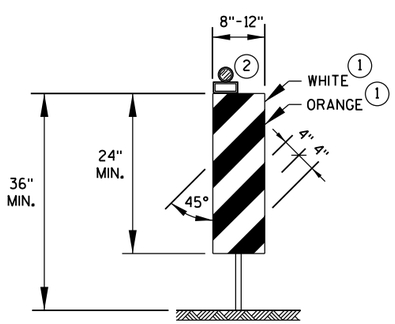
GENERAL NOTES

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



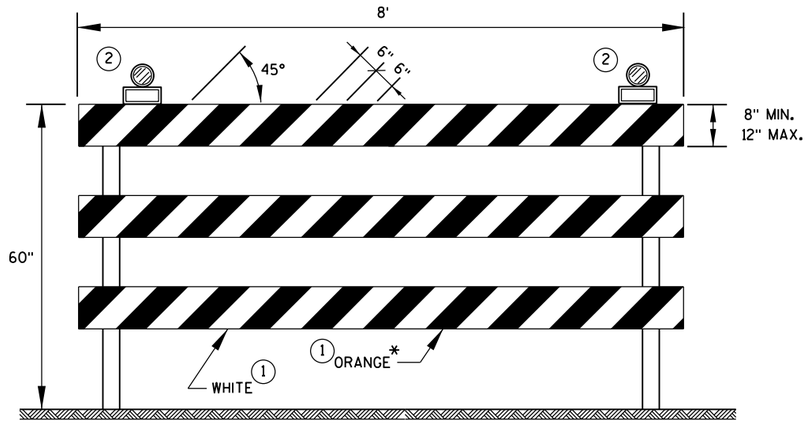
TYPE 2 BARRICADE

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



VERTICAL PANEL

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



TYPE 3 BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION, USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
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June 2017 DATE	/S/ Andrew Heidtke WORK ZONE ENG
FHWA	

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S.D.D. 15 C 11-7b

LEGEND

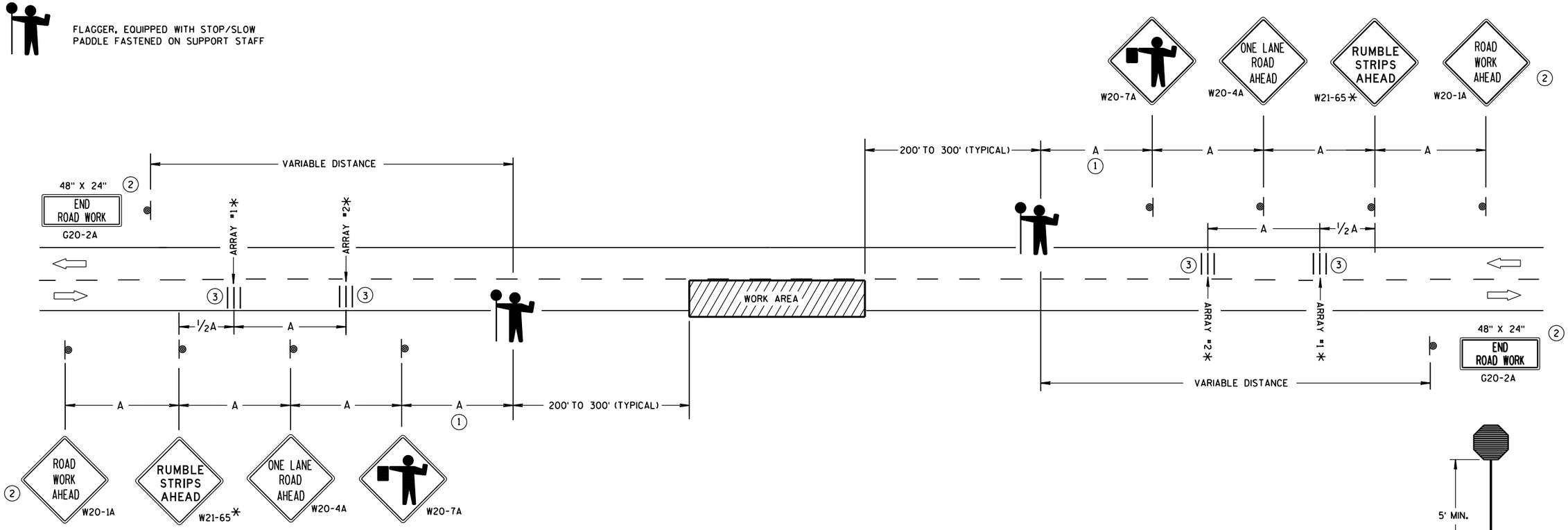
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

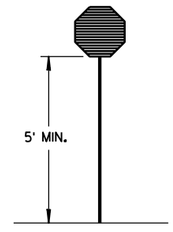
SPEED LIMIT	SPACING A
25-35 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

W03-4

USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING A.



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION



STOP/SLOW PADDLE ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

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

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, REMOVE TEMPORARY RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

* UTILIZE TEMPORARY RUMBLE STRIPS WHEN FLAGGING OPERATION IS ANTICIPATED TO BE STATIONARY IN EXCESS OF TWO HOURS.

(1) FOR A MOVING WORK OPERATION, SIGNING AND TEMPORARY RUMBLE STRIPS (IF USED) SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3,500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

(3) EACH TEMPORARY RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
/S/ Andrew Heldtke
WORK ZONE ENG
FHWA

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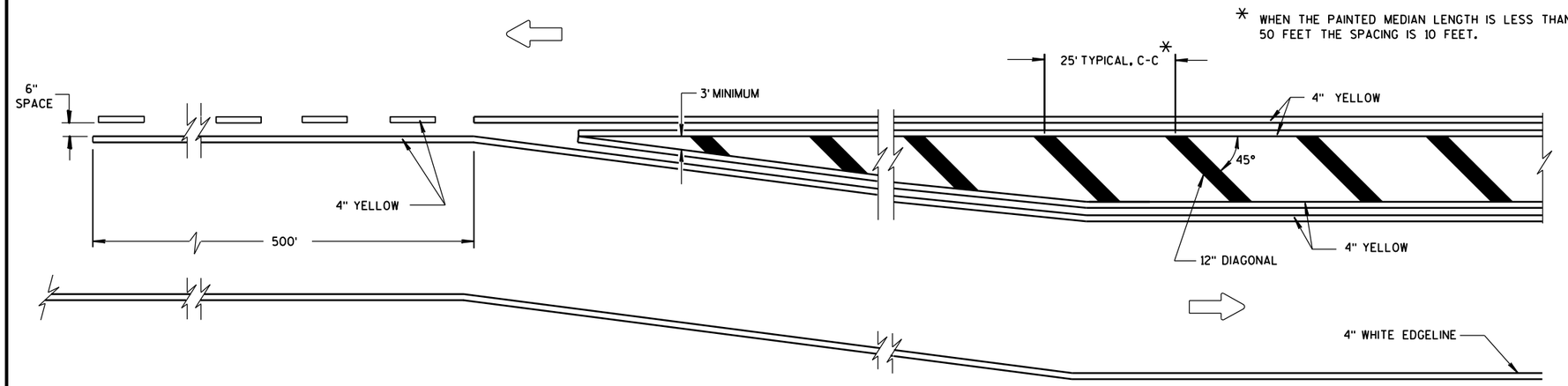
S.D.D. 15 C 12-6

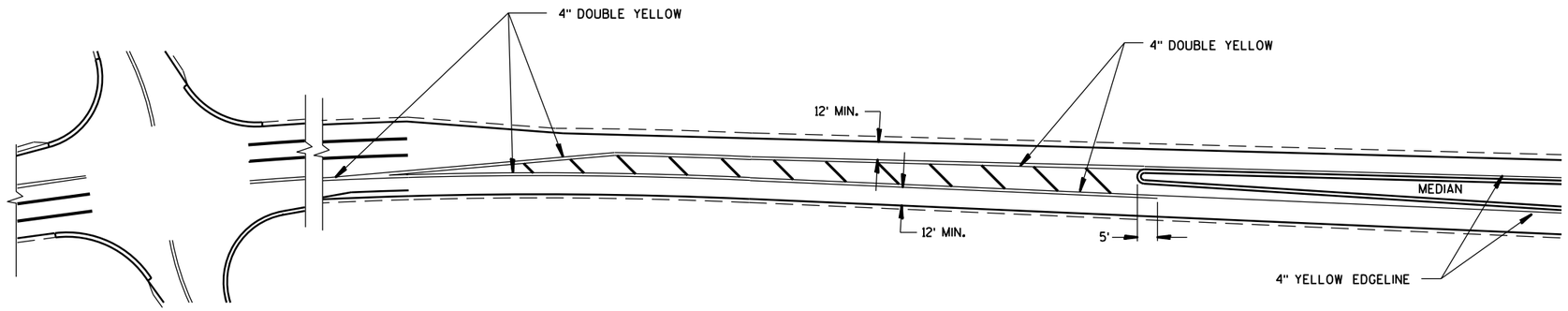


MEDIAN ISLAND DETAIL

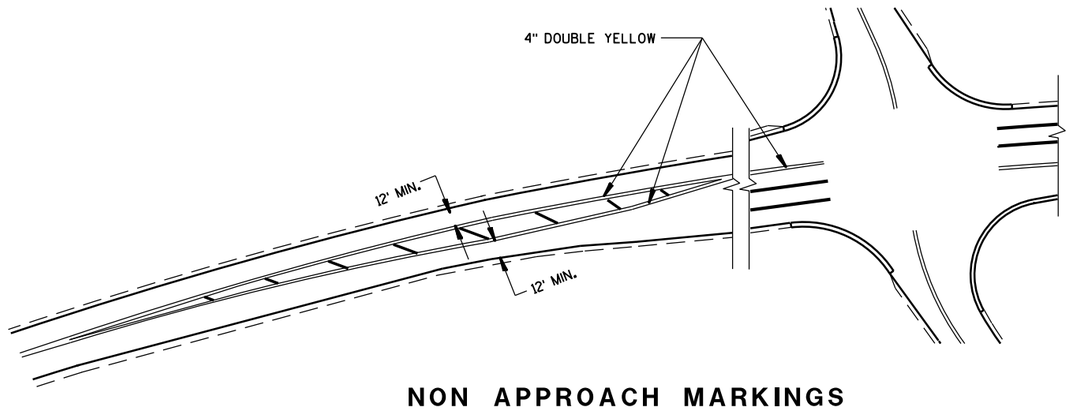
GENERAL NOTE

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

DIRECTION OF TRAVEL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON APPROACH MARKINGS

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S.D.D. 15 C 18-4

S.D.D. 15 C 18-4

MEDIAN ISLAND MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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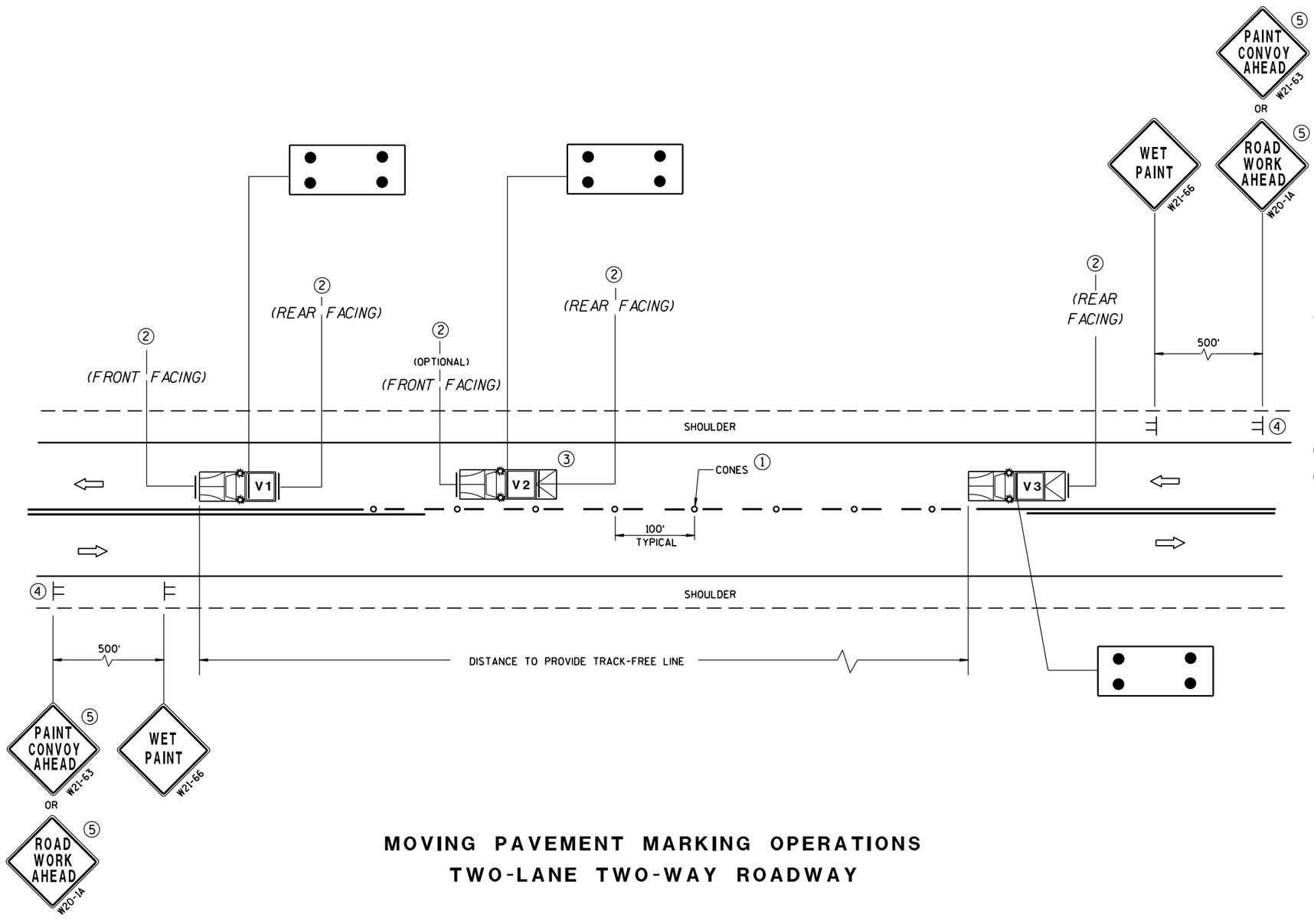


MOVING PAVEMENT MARKING OPERATIONS
TWO-LANE TWO-WAY ROADWAY

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGELINE MARKING.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

(1) CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

(2) USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.

WET PAINT W21-64 OR WET PAINT W21-64

(3) OPTIONAL TRUCK-MOUNTED ATTENUATOR.

(4) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

(5) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

LEGEND

- **V1** LEAD VEHICLE
- **V2** SHADOW VEHICLE
- **V3** TRAIL VEHICLE WITH TMA
- **TMA** TRUCK-MOUNTED ATTENUATOR
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- CONES
- FLASHING ARROW PANEL (CAUTION)

MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
Sept., 2017 DATE	/S/ Andrew Heldtke WORK ZONE ENGR
FHWA	

GENERAL NOTES

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR ROD STICK OUT ABOVE TOP OF CONCRETE FOOTING BASE PER FABRICATION DRAWING.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

SIGN SUPPORTS SHALL BE LOCATED NORMAL TO ROADWAY.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

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

BAR CAGE TO BE ASSEMBLED USING TIE WIRES ONLY, NO WELDING.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACK FILLING AROUND THE BASE. ANY REQUIRED BACKFILL SHALL BE WELL COMPACTED IN LAYERS OF 1 FOOT OR LESS. COMPACTION SHALL BE BY MECHANICAL MEANS. CARE SHALL BE TAKEN SO NO DAMAGE OCCURS TO THE CONCRETE BASE DURING COMPACTION.

EXCAVATION OF MATERIALS NOT OCCUPIED BY CONCRETE SHALL BE MINIMIZED TO REDUCE DISTURBANCE OF THE SURROUNDING SOILS.

THE BOTTOM OF THE DRILLED HOLE SHALL BE FIRM AND THOROUGHLY CLEANED SO NO LOOSE OR COMPRESSIBLE MATERIALS ARE PRESENT AT THE TIME OF THE CONCRETE PLACEMENT.

IF THE DRILLED HOLE CONTAINS STANDING WATER, THE CONCRETE SHALL BE PLACED USING A TREMIE TO DISPLACE THE WATER.

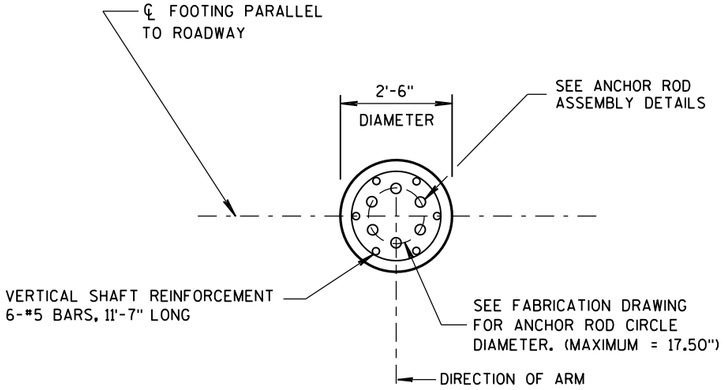
THE REINFORCEMENT AND ANCHOR RODS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

FORM ALL EXPOSED CONCRETE CORNERS WITH ¾" CHAMFER ALL AROUND. TOP OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

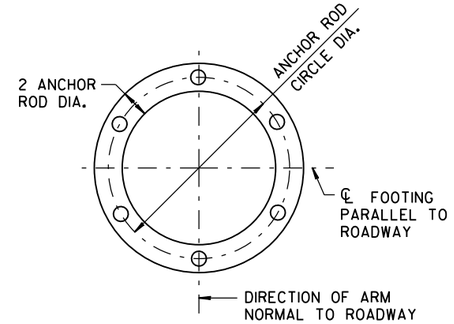
ANY DAMAGE TO THE CONCRETE BASE AND ANCHOR RODS DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR RODS, ASTM F1554, GRADE 55	fy=55,000 p.s.i.
ASTM A563A HEAVY HEX NUTS, AND ASTM F436 WASHERS.	
PLATES, ASTM A709, GRADE 36	fy=36,000 p.s.i.

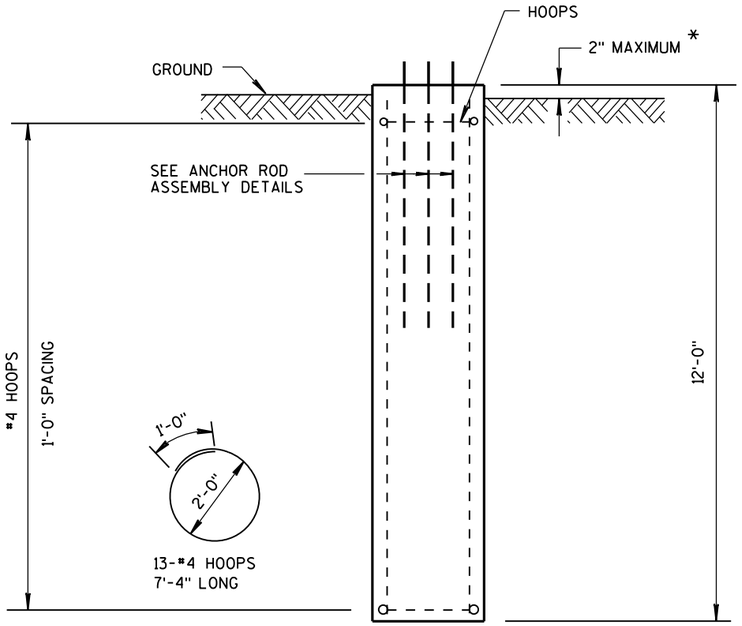
THIS FOOTING HAS BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 20 DEGREES (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 350 PSF (COHESIVE SOILS).



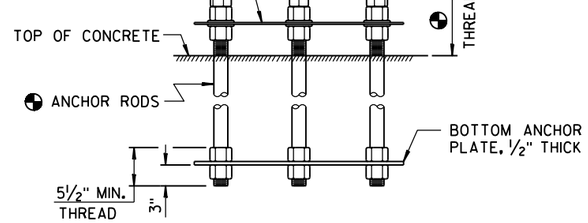
PLAN VIEW



TOP TEMPLATE AND BOTTOM ANCHOR PLATE



ELEVATION VIEW



ANCHOR ROD ASSEMBLY DETAILS

⊕ MINIMUM OF 6 ANCHOR RODS, EXACT NUMBER, SIZE, DIMENSION AND ORIENTATION AS SHOWN ON FABRICATION DRAWING.

* FOR OVERHEAD SIGN SUPPORTS THAT ARE INSTALLED ADJACENT TO SIDEWALKS, THE TOP OF THE BASE SHALL BE POURED FLUSH WITH THE GROUND.

CONCRETE - 2.2 C.Y. PER FOOTING
H.S. REINFORCEMENT - 136 LBS. PER FOOTING

30" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2016
DATE
FHWA

/S/ Vu Thao
WIND LOADED STRU
PROGRAM LEAD

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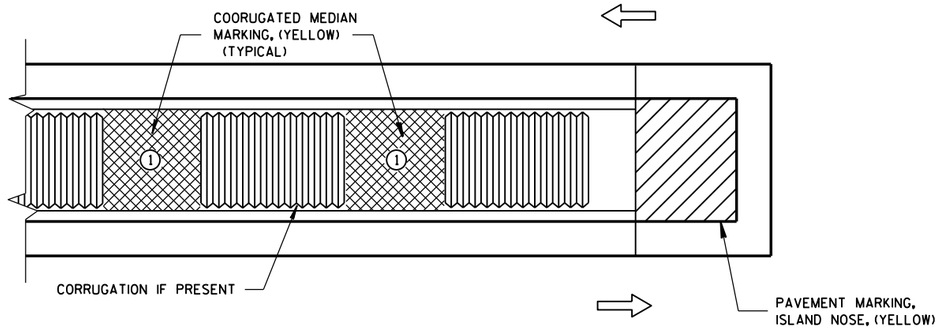
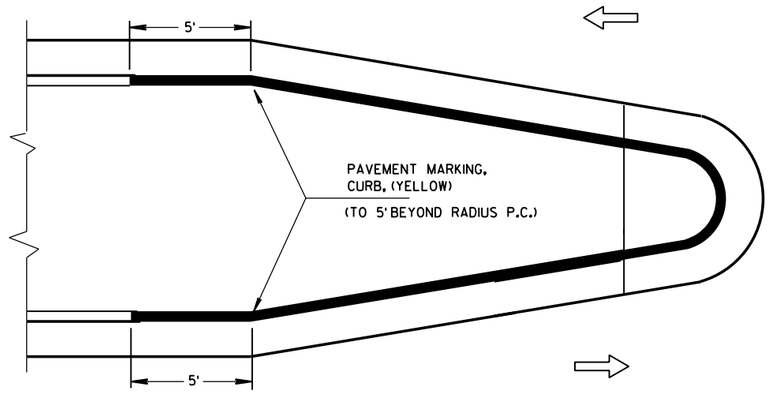
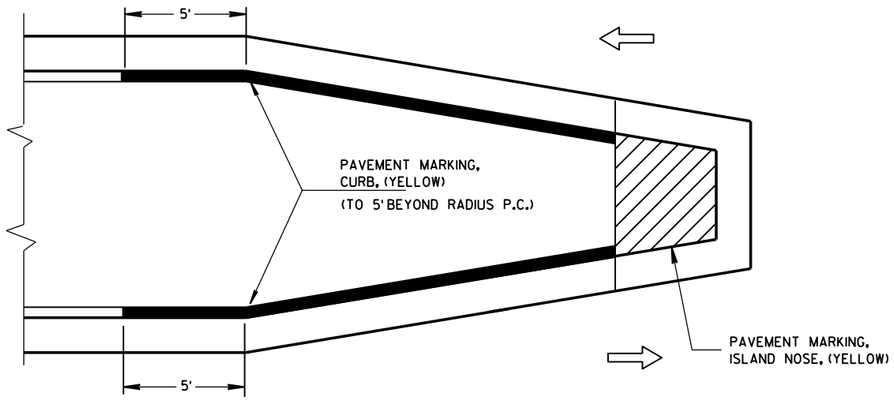
S.D.D. 15 C 23-4



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

(1) 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.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

PAVEMENT MARKING
(ISLANDS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2017
DATE

/S/ Matthew Rauch
STATE SIGNING AND MARK ENGINEER

FHWA

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S.D.D. 15 C 27-2b

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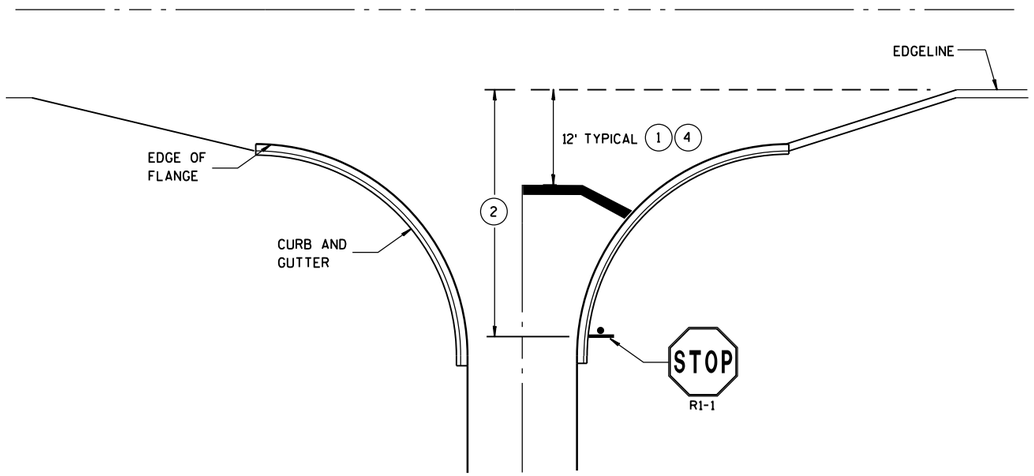
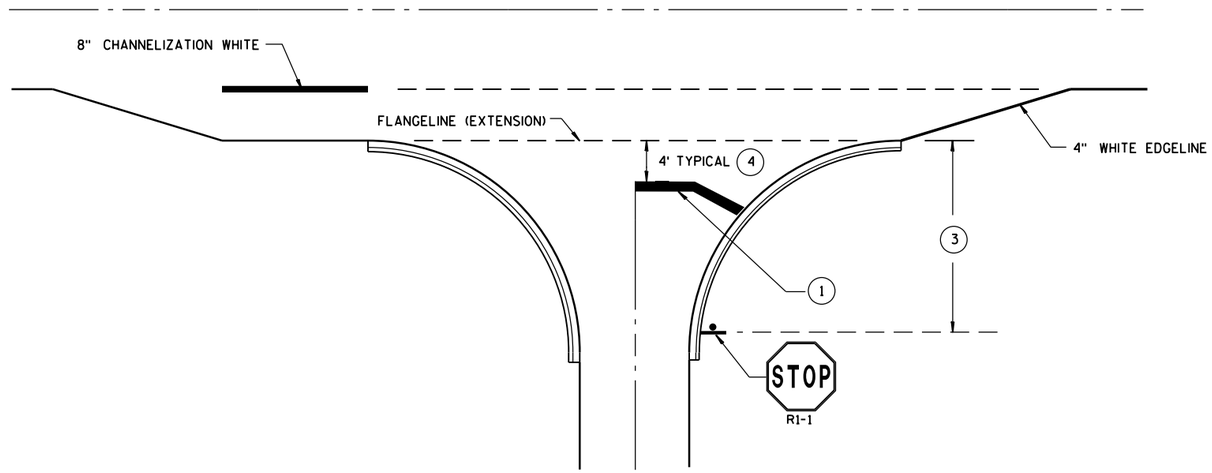
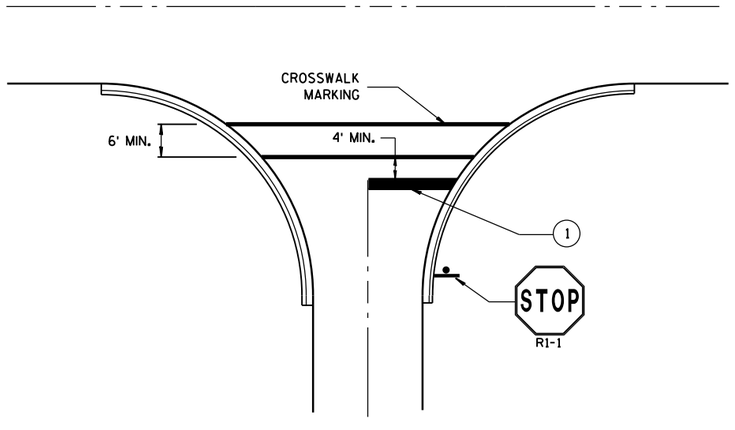
S.D.D. 15 C 27-2b



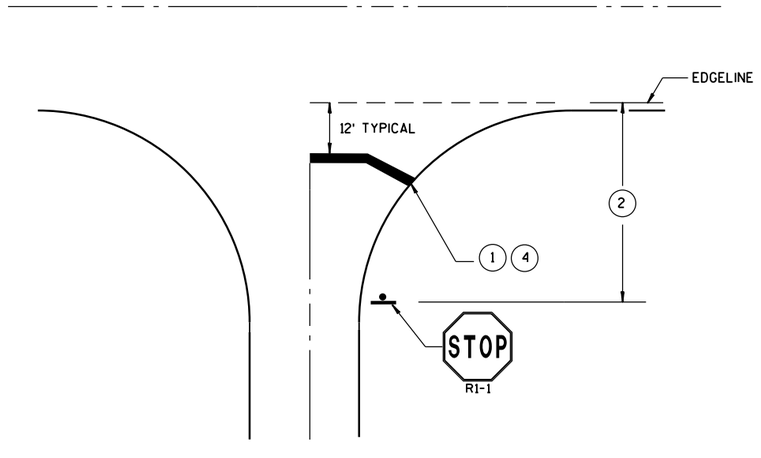
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



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

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

(1) 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE 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. (NO CLOSER THAN 4 FEET).

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept., 2017 — DATE

/S/ Matthew R. Rauch — STATE SIGNING AND MAR[illegible]NEER

FHWA

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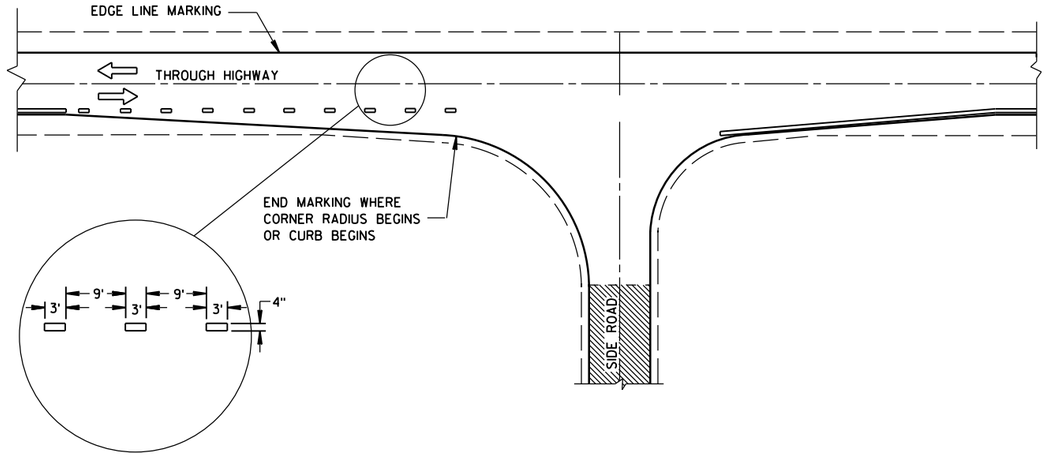
S.D.D. 15 C 33-3



MINOR INTERSECTION

GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

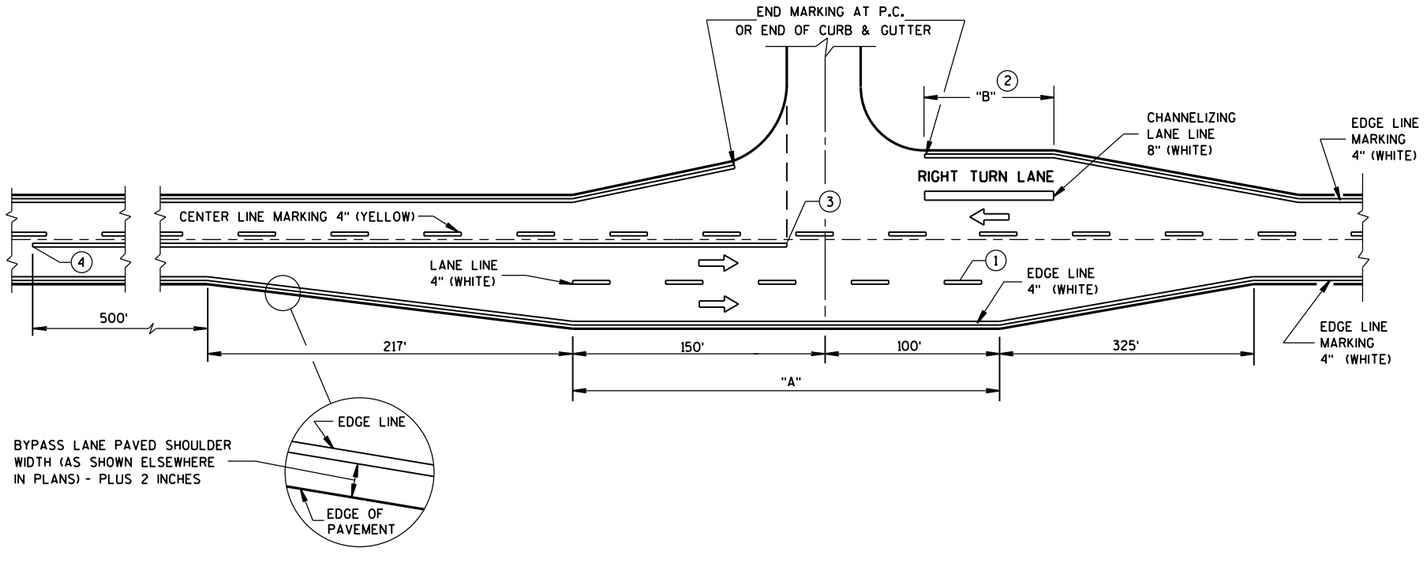
(1) WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.

(2) WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.

(3) BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.

(4) BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

PAVEMENT MARKING
(INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 15 C 35-2a

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

SHOULDER TAPER LENGTH (FEET)					BUFFER SPACE (FEET)
S \ W	4	6	8	10	
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

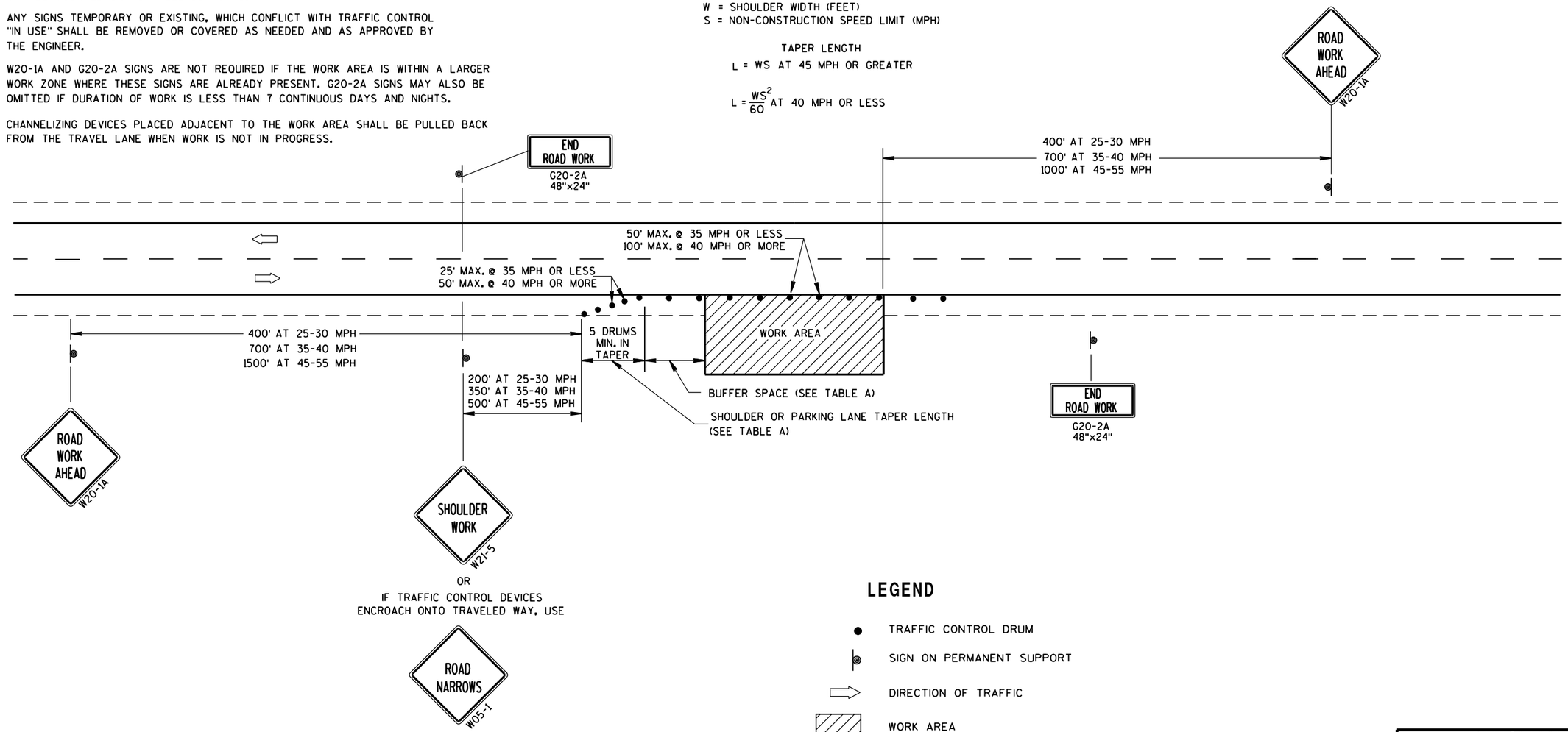
W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

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 ENGI[illegible] FIC

FHWA

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S.D.D. 15 D 28-3

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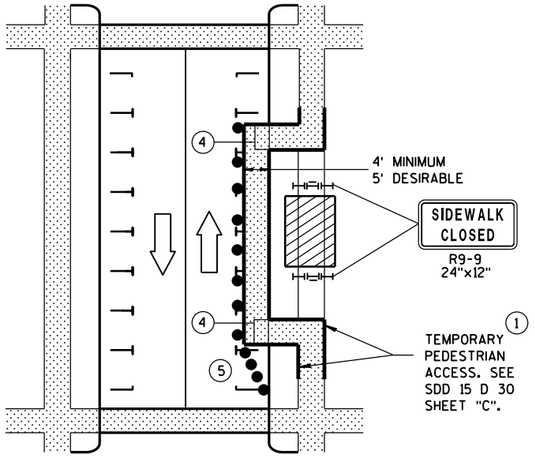
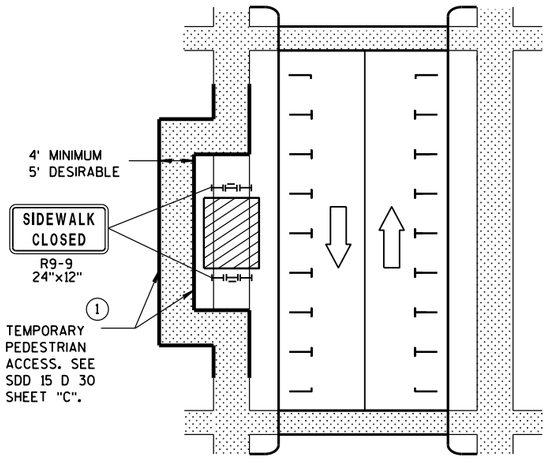
S.D.D. 15 D 28-3

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

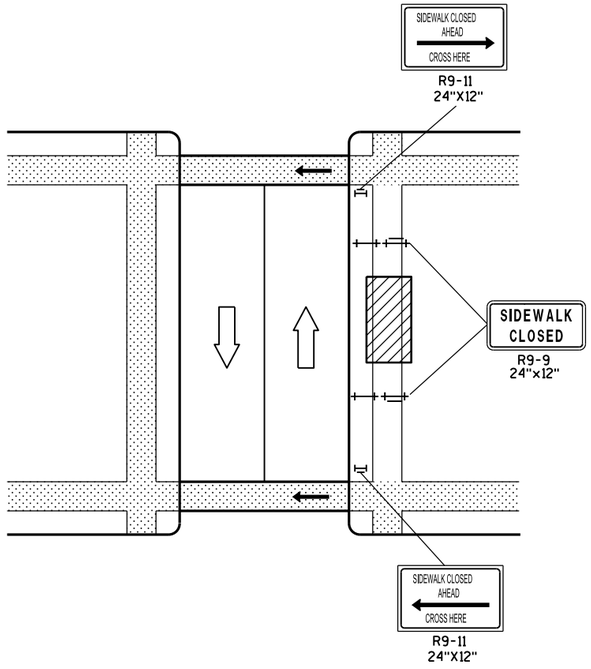


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

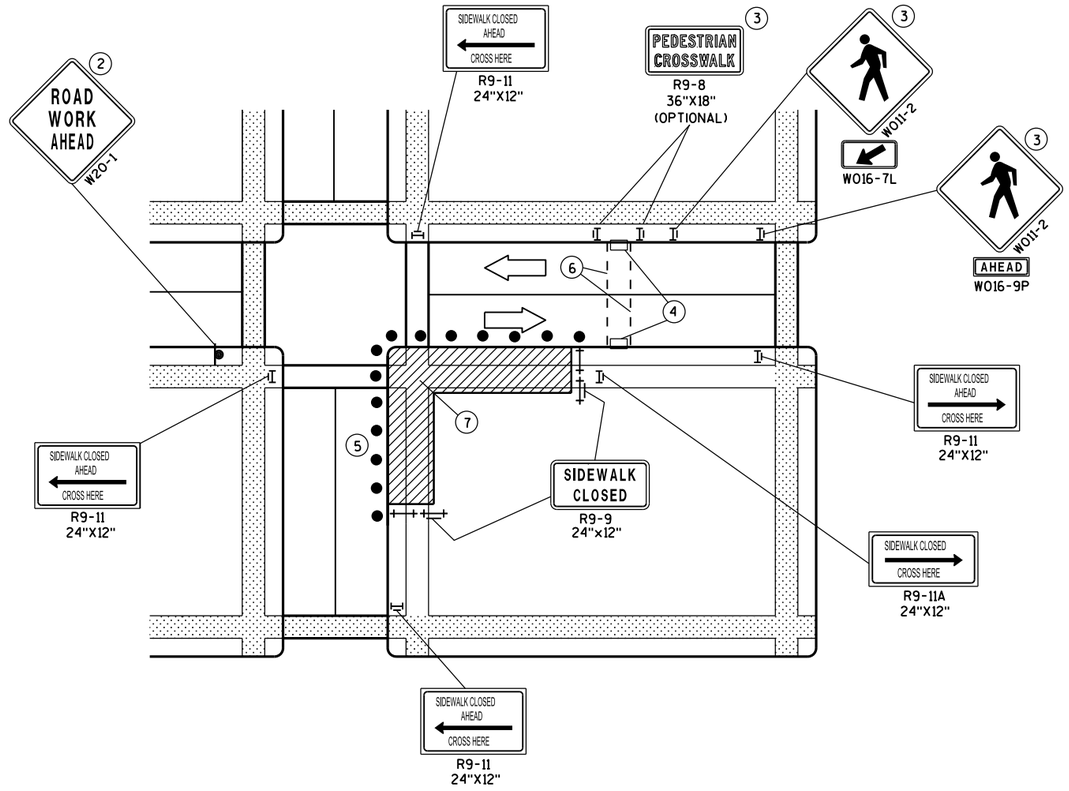
NOTE: LAYOUT SAME AS ABOVE.



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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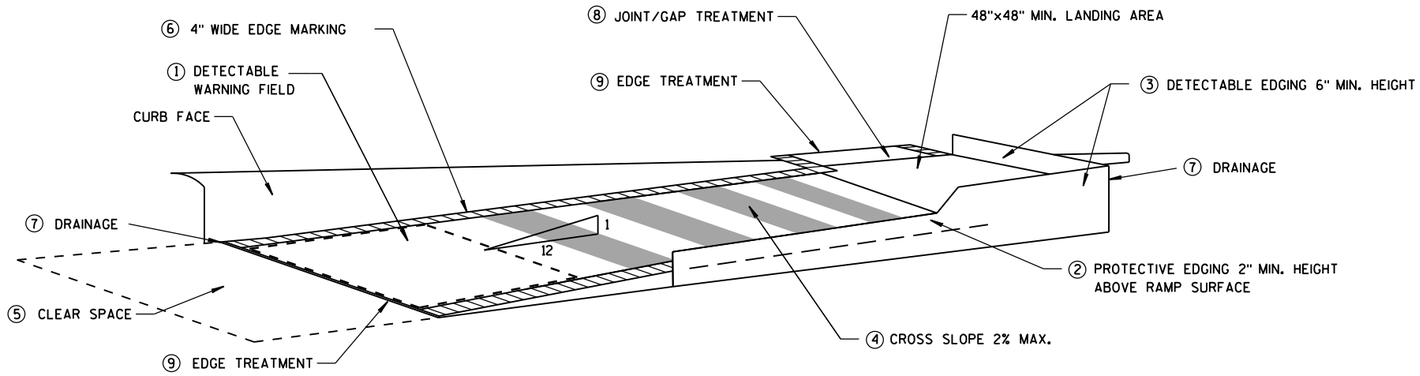
S.D.D. 15 D 30-3a



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.

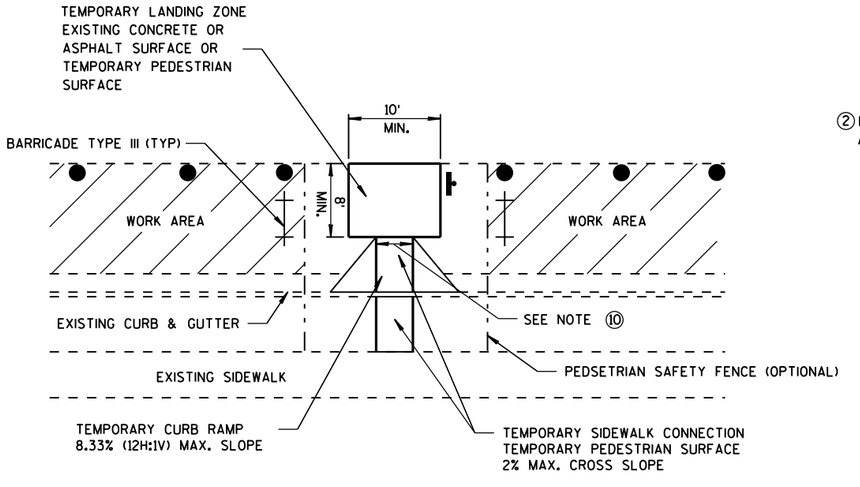
⑥ THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.

⑦ DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

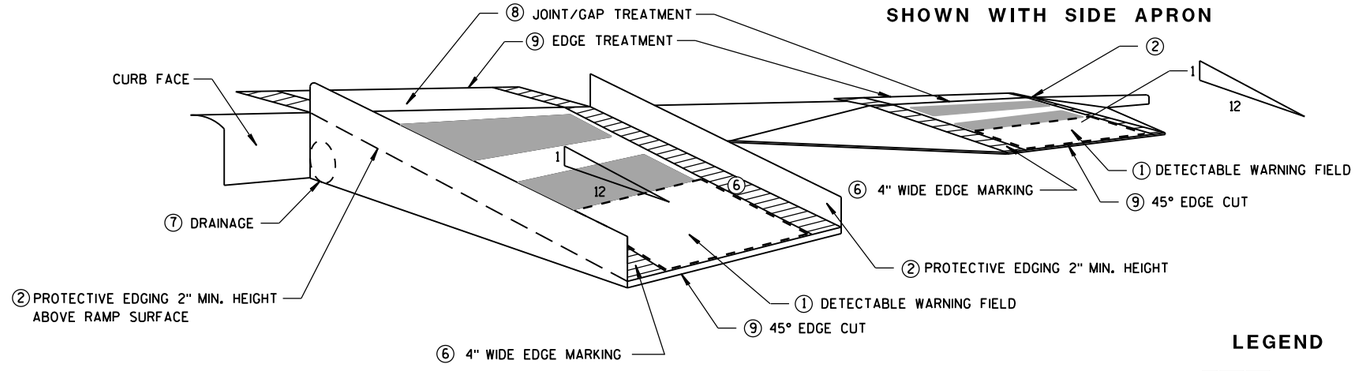
⑧ LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.

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

June 2016 — DATE

/S/ Peter Amakobe Atepe — STATEWIDE WORK ZO SAFETY ENGI IC

FHWA

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S.D.D. 15 D 30-3b

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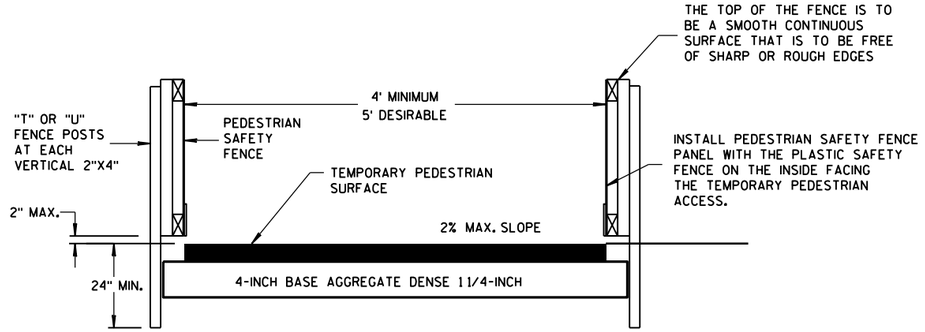
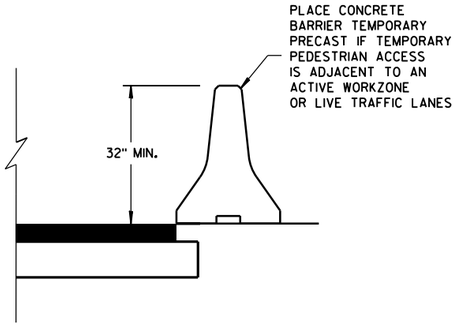
S.D.D. 15 D 30-3b

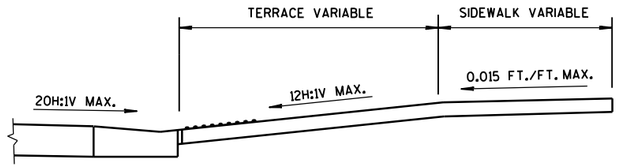




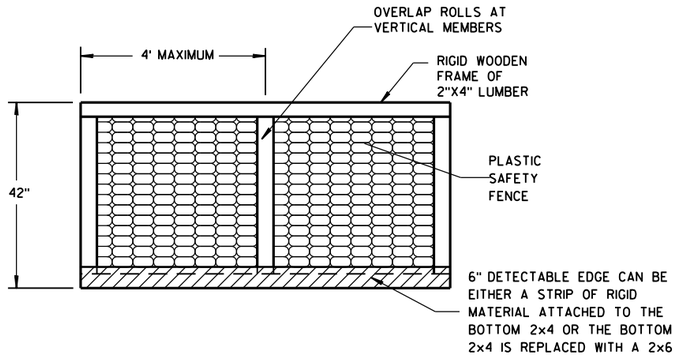
TEMPORARY PEDESTRIAN ACCESS

GENERAL NOTES

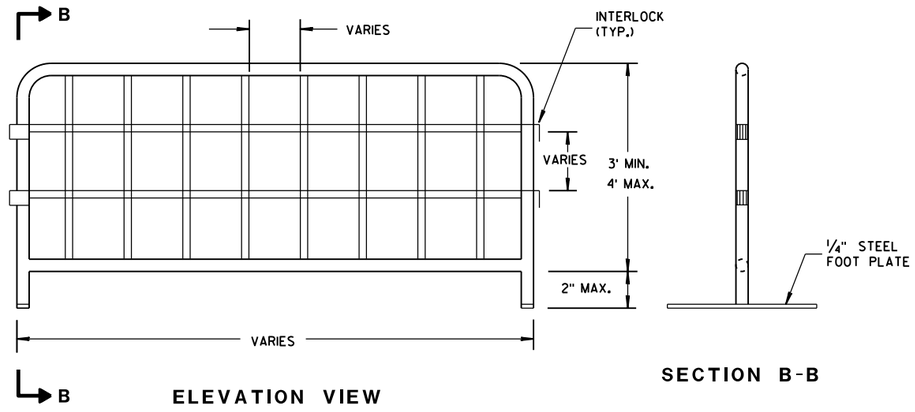
(1) INTERCHANGEABLE WITH THE PEDESTRIAN SAFETY FENCE.



SECTION A-A



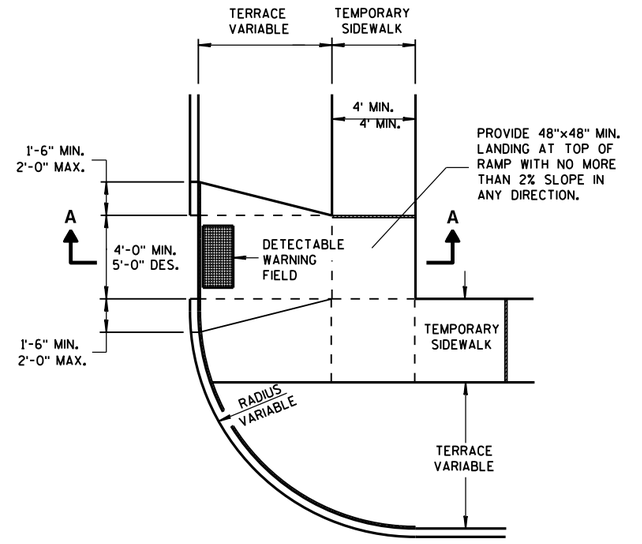
PEDESTRIAN SAFETY FENCE



ELEVATION VIEW

SECTION B-B

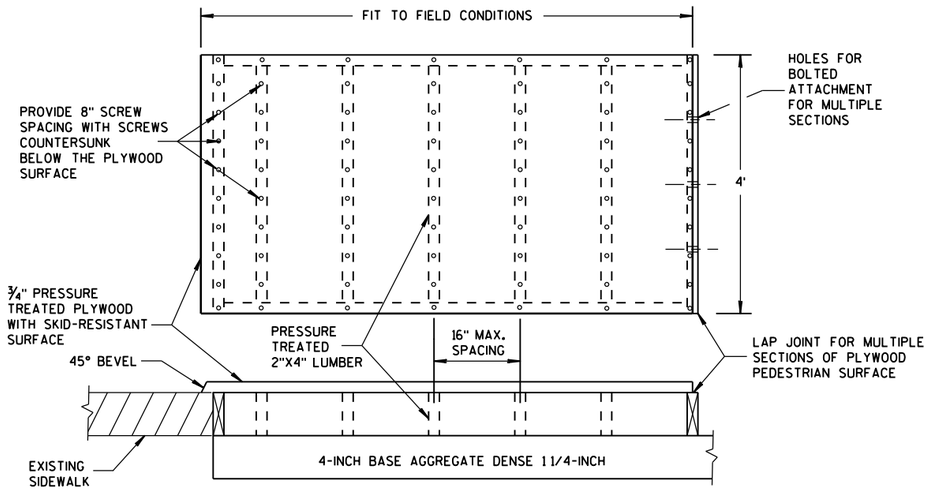
TEMPORARY PEDESTRIAN STEEL BARRICADE (1)



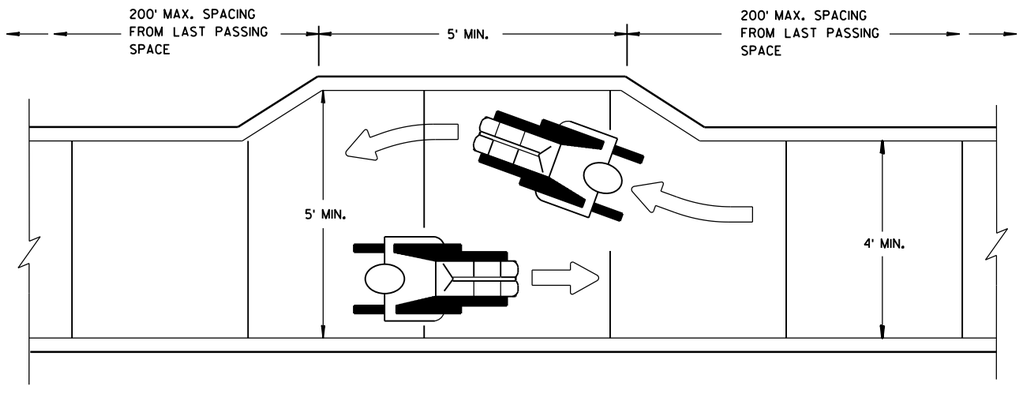
PLAN VIEW

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
June 2016
DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZON SAFETY ENGIN IC
FHWA

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S.D.D. 15 D 30-3c

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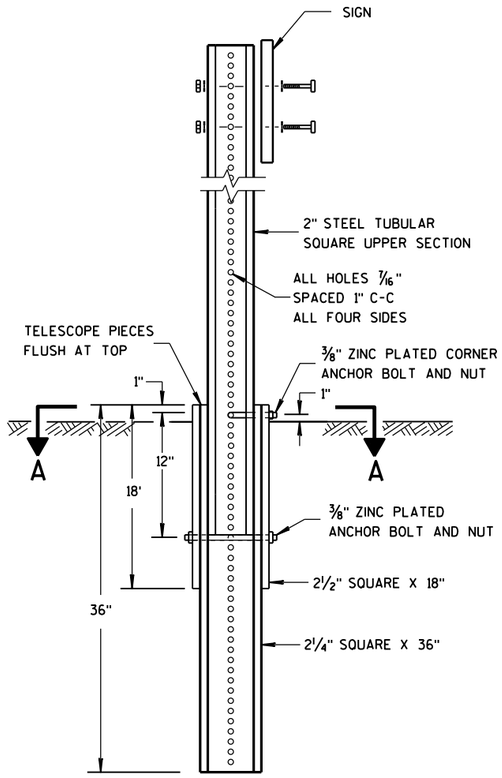
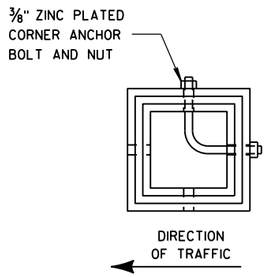
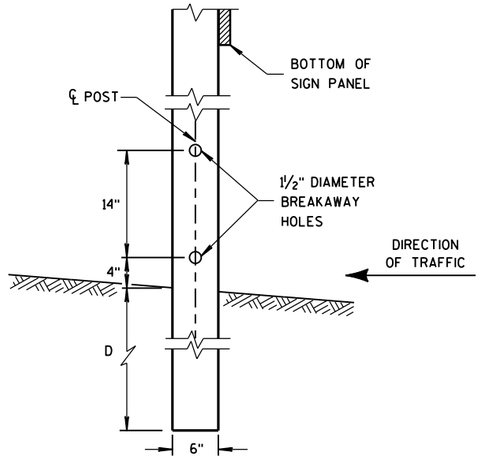


DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



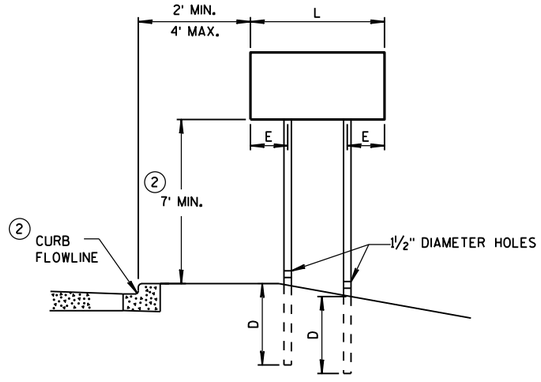
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

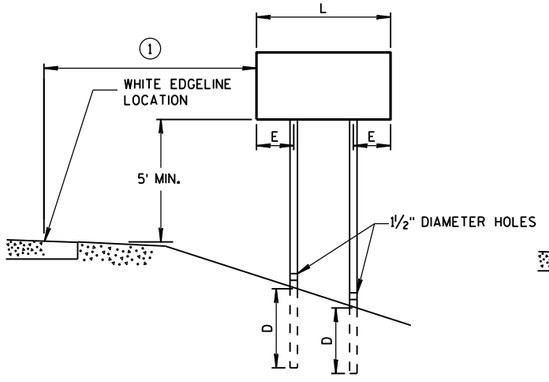
1. 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

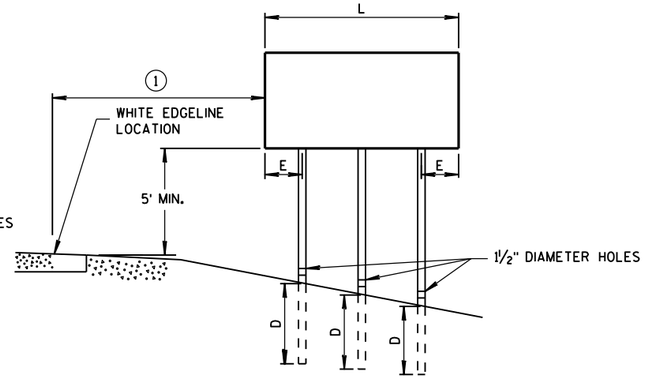
2. THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

3. FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SQ. FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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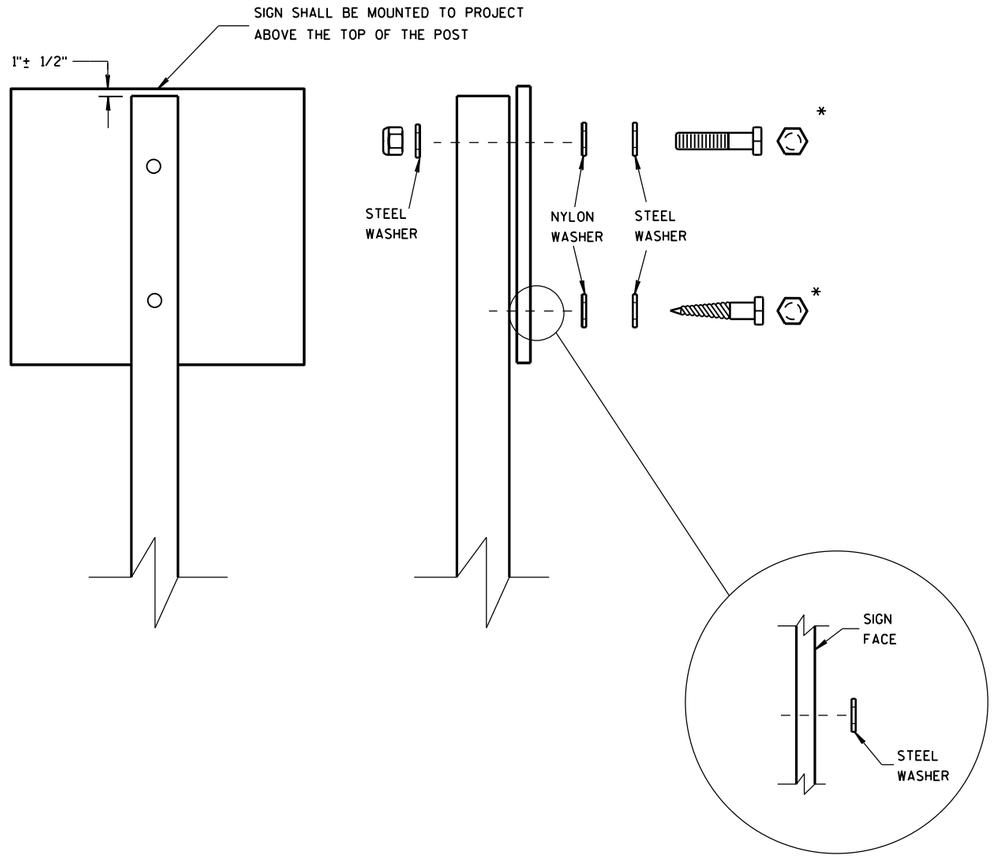
S.D.D. 15 D 38-2a



WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

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

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

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S.D.D. 15 D 38-2b

ATTACHMENT OF SIGNS TO POSTS

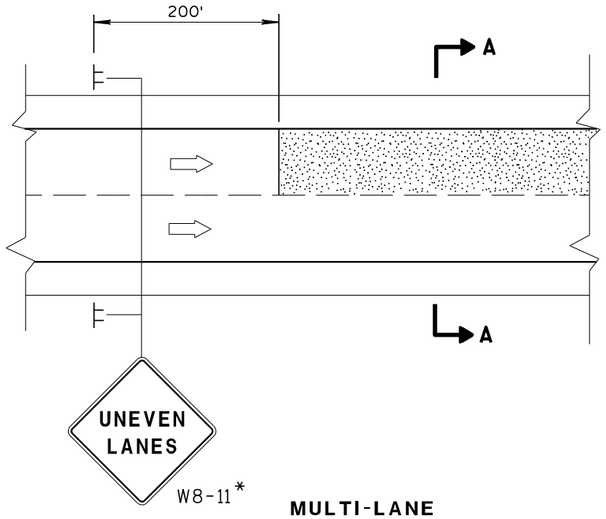
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

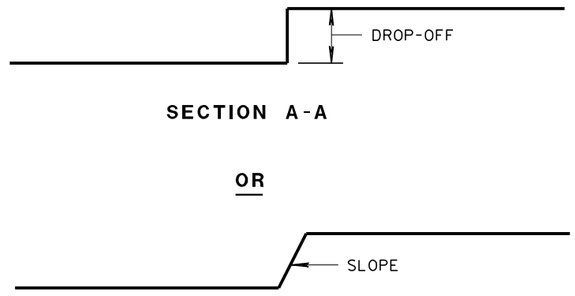
June 2017
DATE

/S/ Andrew Heldtke
WORK ZONE ENG

FHWA



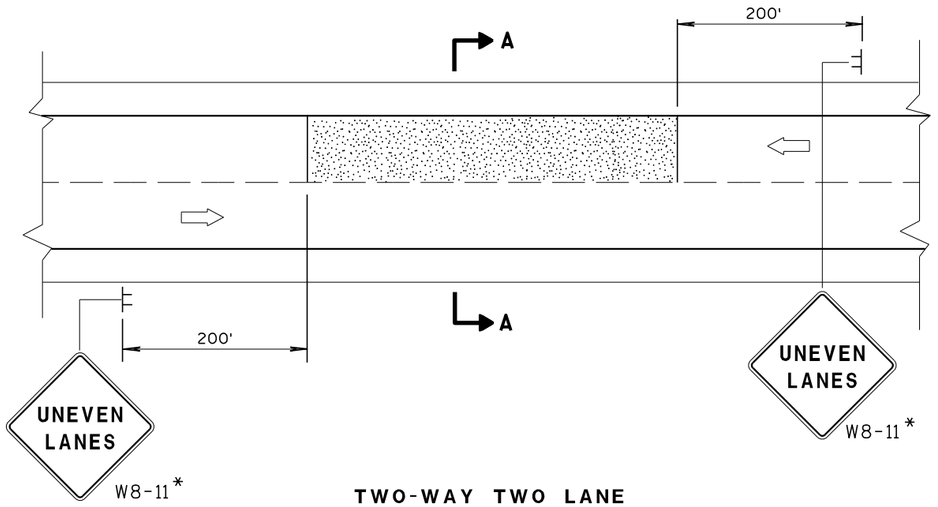
MULTI-LANE



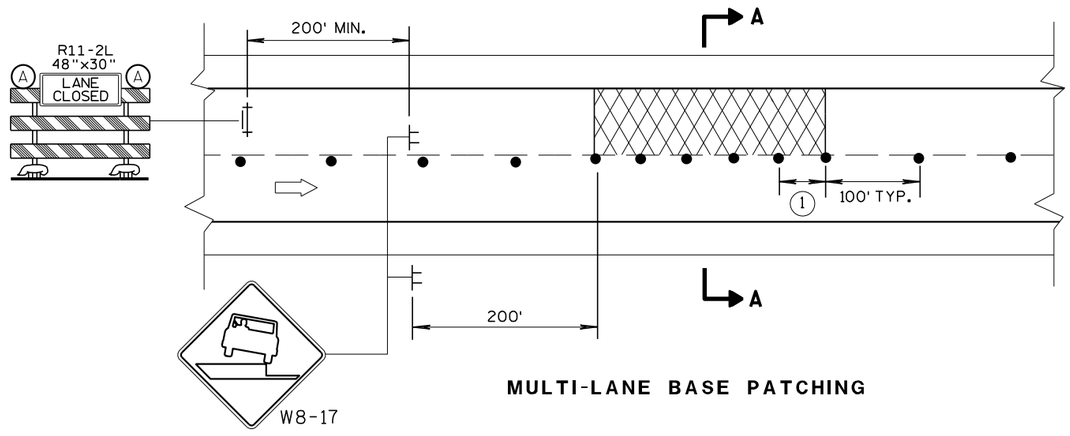
SECTION A-A

OR

SECTION A-A

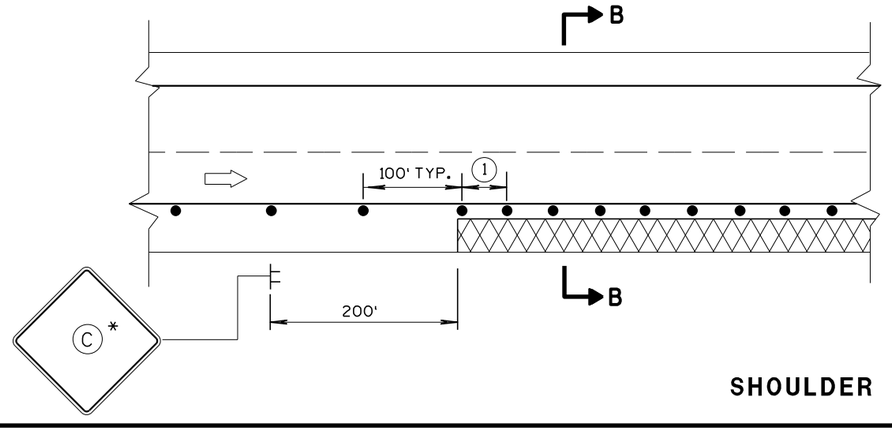


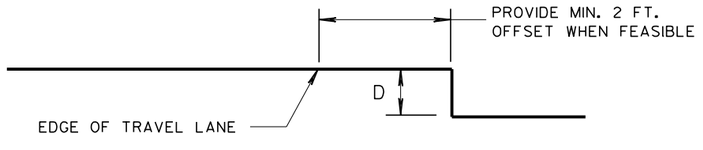
TWO-WAY TWO LANE



MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS





SECTION B-B

SHOULDER DROP-OFFS

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EACH ENTRANCE RAMP.

(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF
- MILLED SURFACE

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER WO8-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP-OFF W8-9A PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Andrew H — WORK ZONE EN
FHWA

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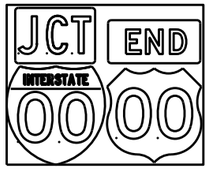
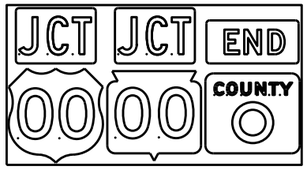
S.D.D. 15 D 39-2

TYPICAL ASSEMBLIES

J1-1

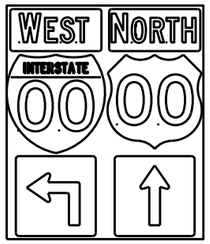


J1-2

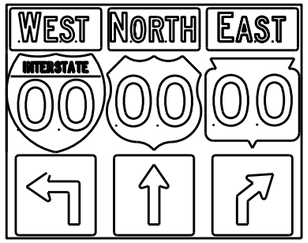


J1-3

J2-1



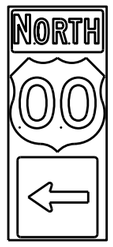
J2-2



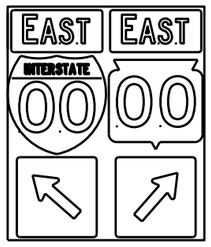
J2-3

JV

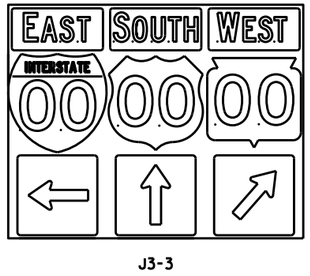
(Typical Vertical J-Assembly
See Note 10 and 11)



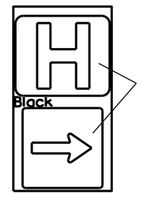
J3-1



J3-2

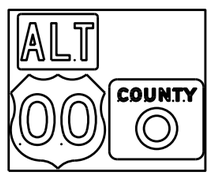


J3-3

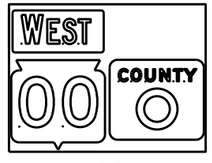


JH-1

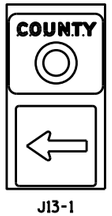
J4-1



J4-2



J4-2



J13-1

J12-1

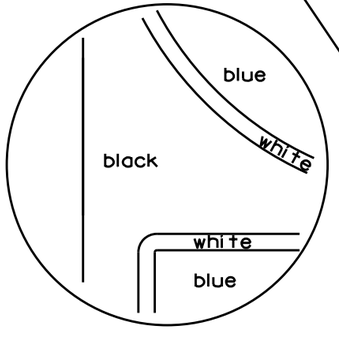
J32-1

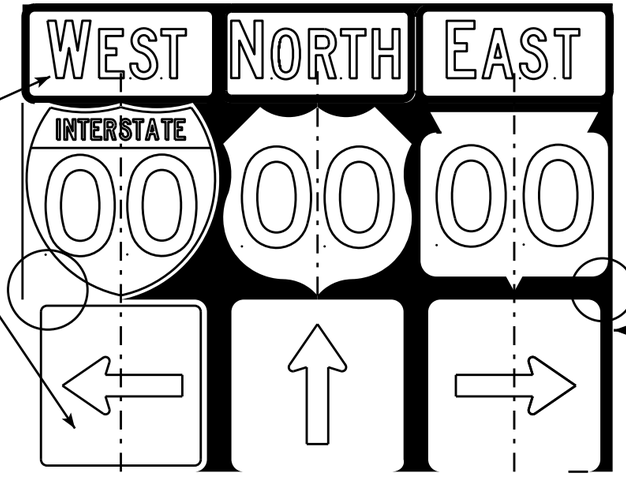
J33-1

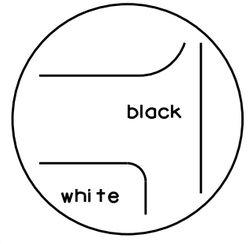
J23-1

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

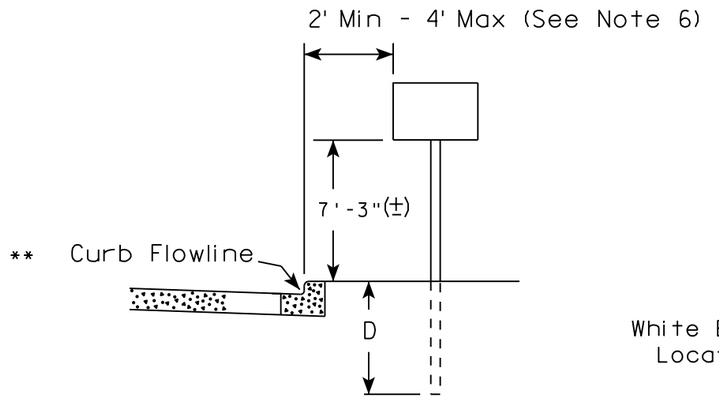
APPROVED Matthew R Rauch
for State Traffic Engineer

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

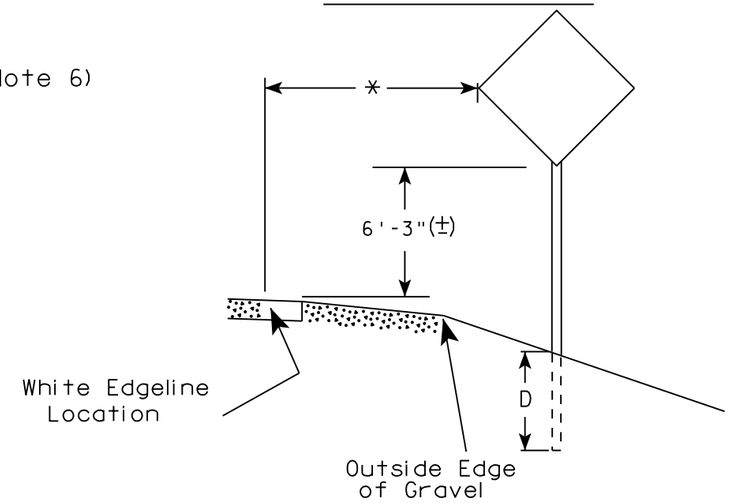
PROJECT NO: SHEET NO: E

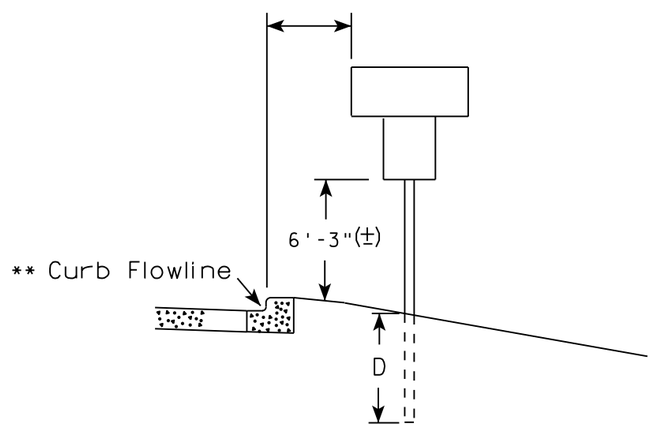
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A21S.DGN PLOT DATE : 06-FEB-2014 14:10 PLOT BY : mscsja PLOT NAME :
WISDOT/CADDS SHEET 42

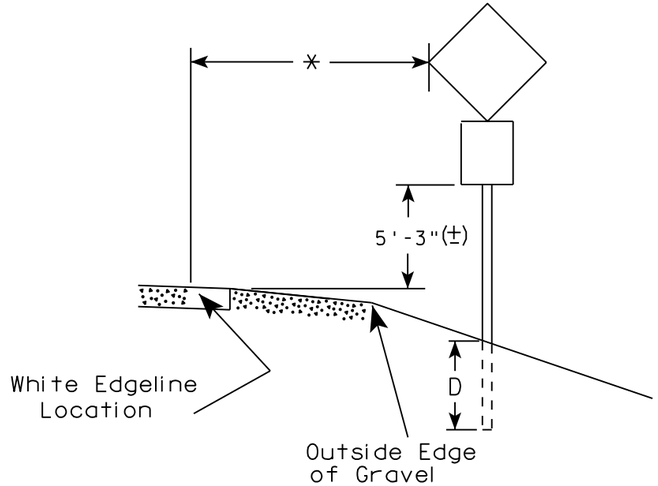
URBAN AREA



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

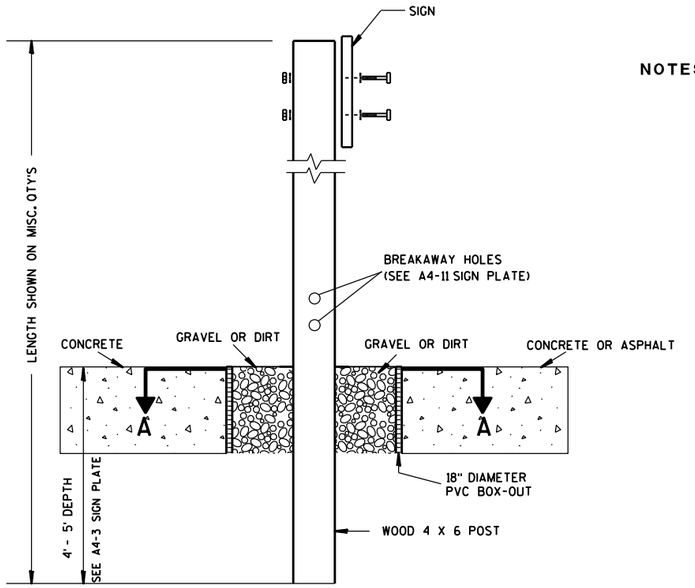
1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. J-Assemblies are considered to be one sign for mounting height.
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

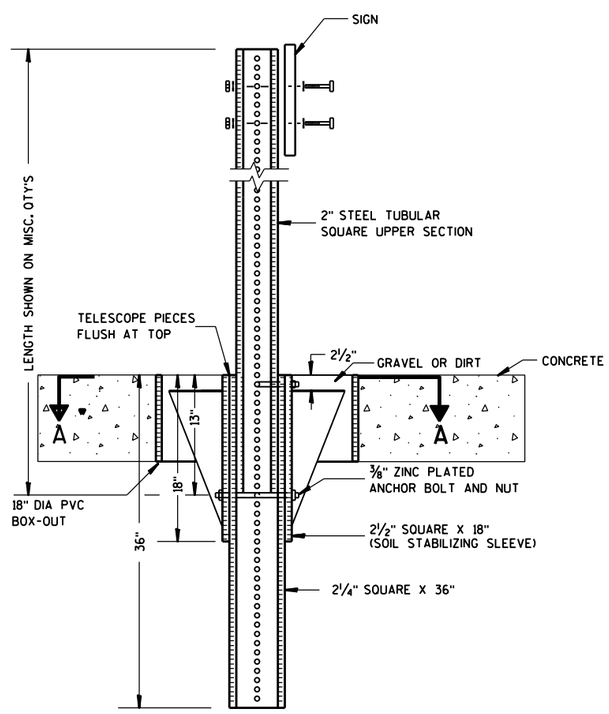
DATE 8/21/17 PLATE NO. A4-3.21



ELEVATION VIEW

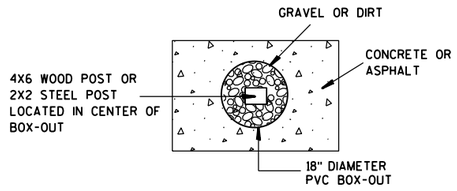
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

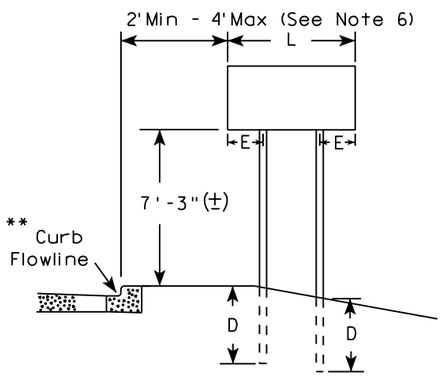
APPROVED Matthew R Rauch
for State Traffic Engineer

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

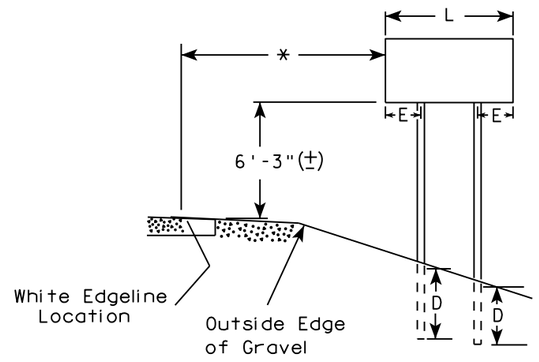
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

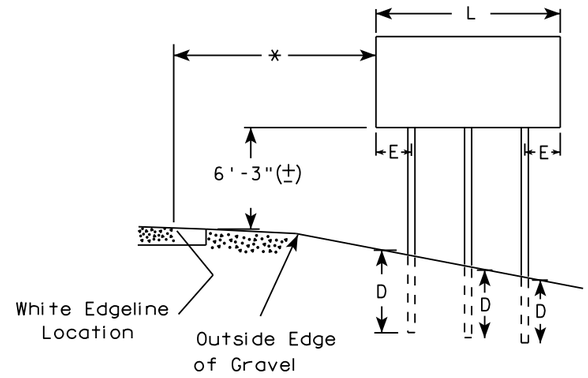
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

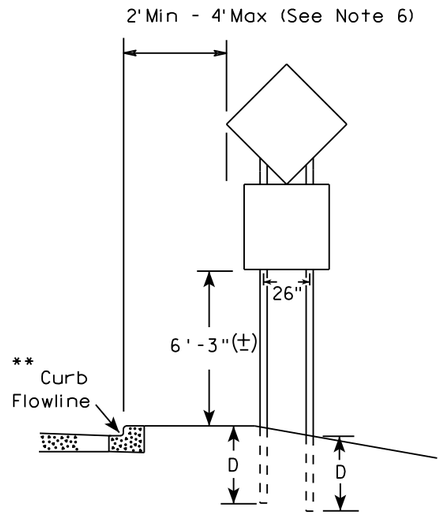
URBAN AREA



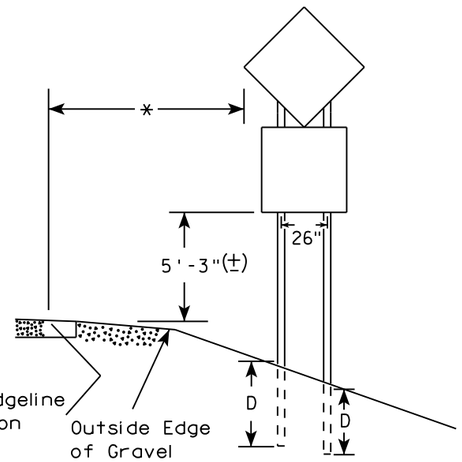
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

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

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

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

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

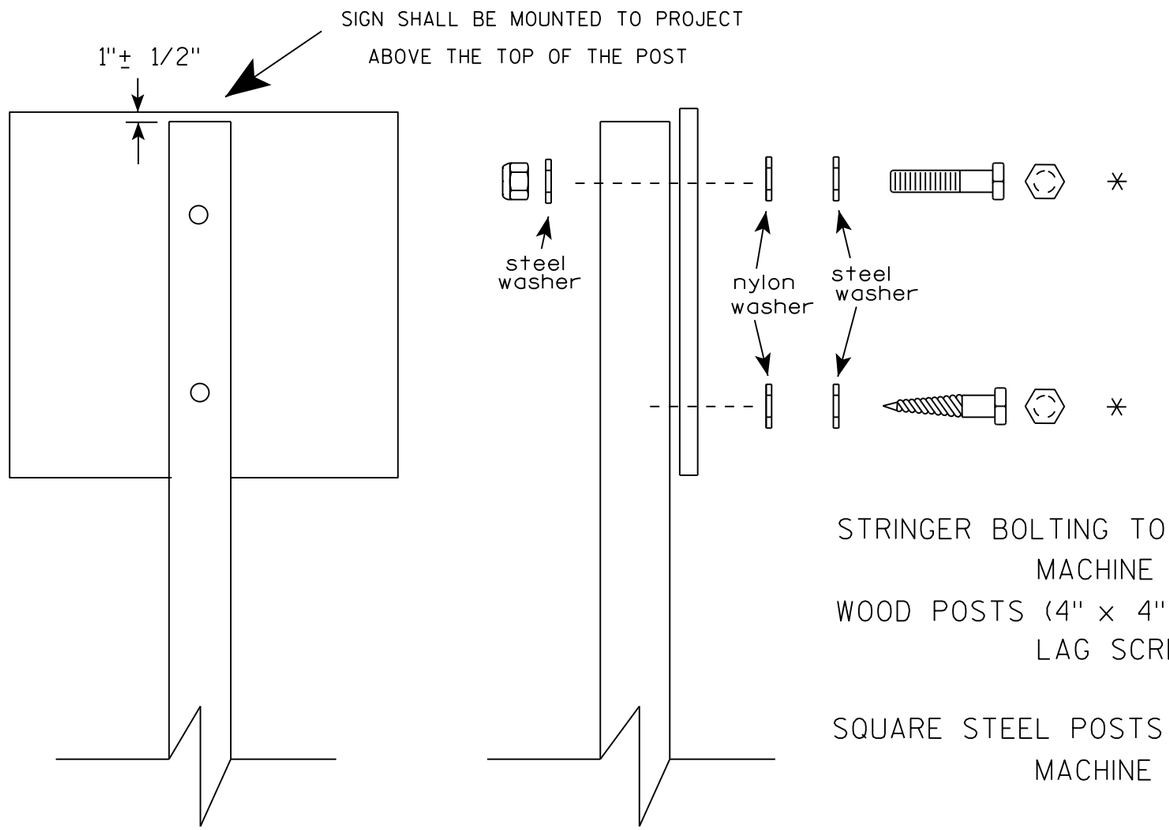
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 127	E



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

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

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

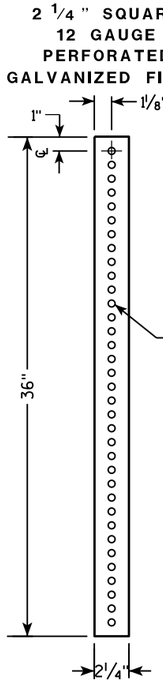
DATE 8/11/16 PLATE NO. A4-8.8

PROJECT NO: SHEET NO: E

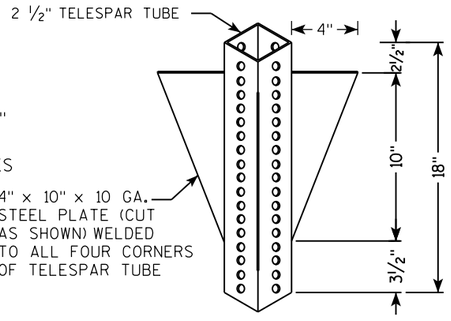
FILE NAME : C:\CADfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 11-AUG-2016 11:35 PLOT BY : $$ plotuser $$

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

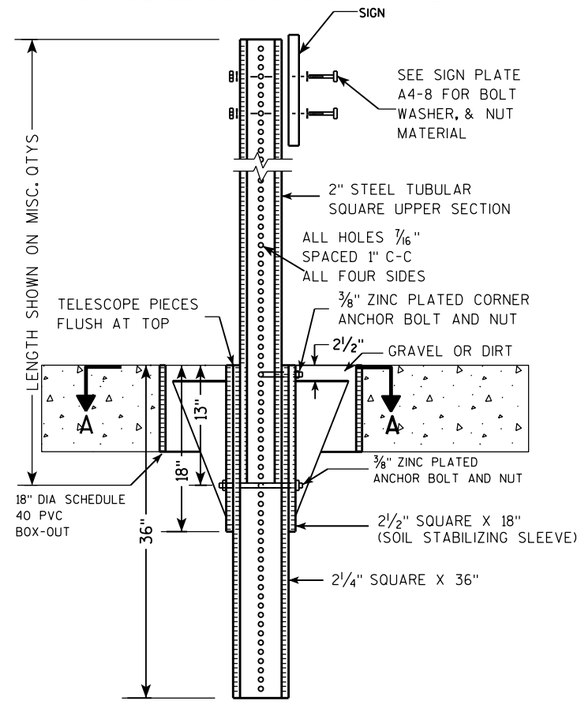
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



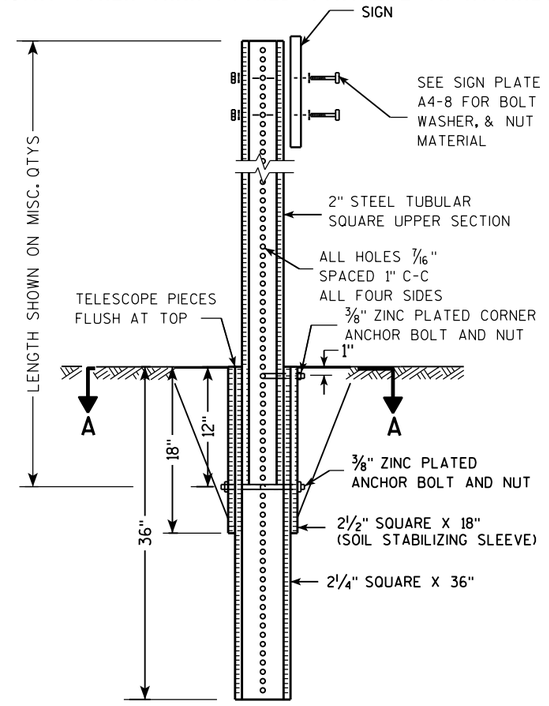
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

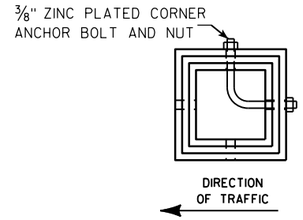


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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

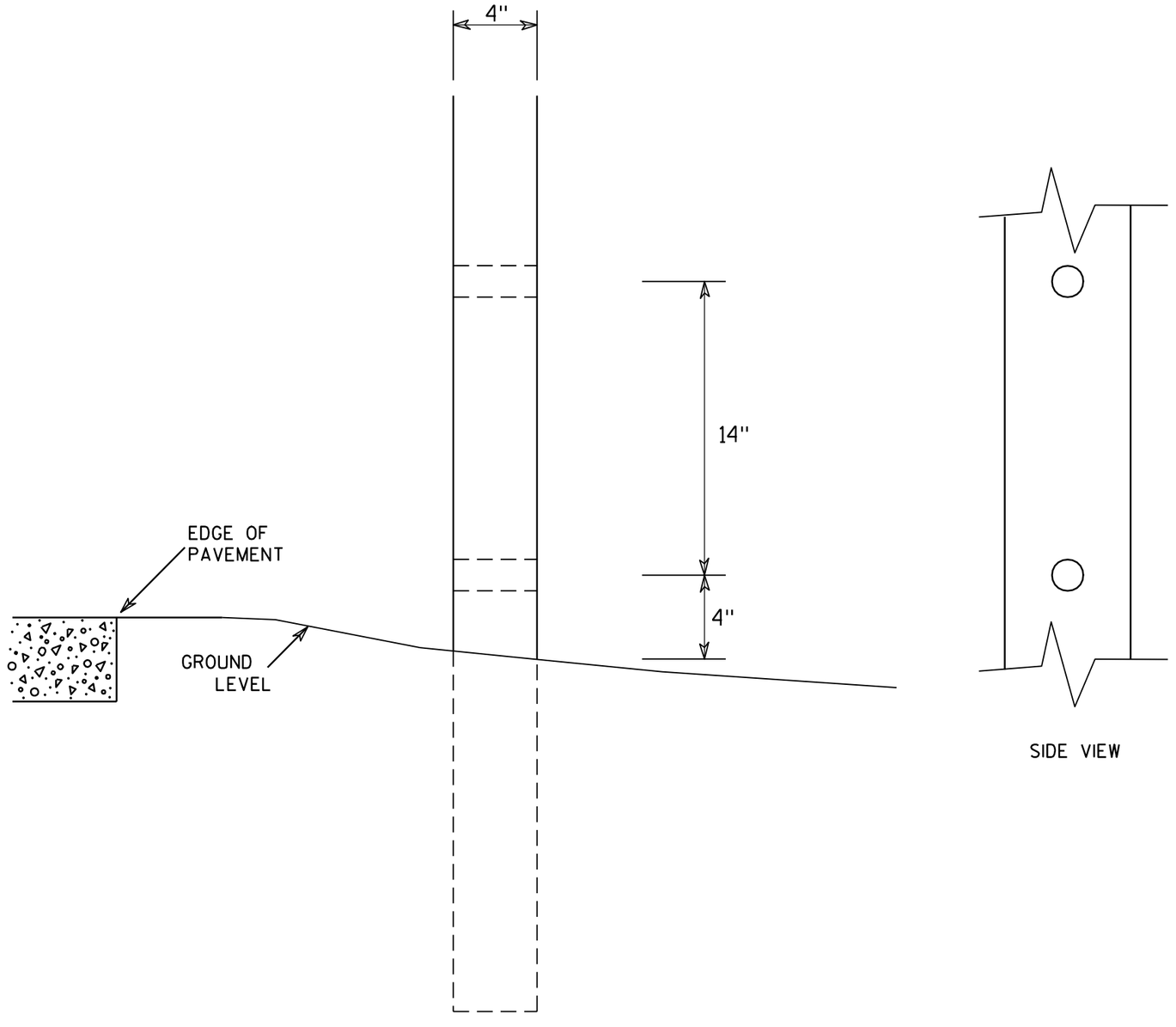
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000
WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

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

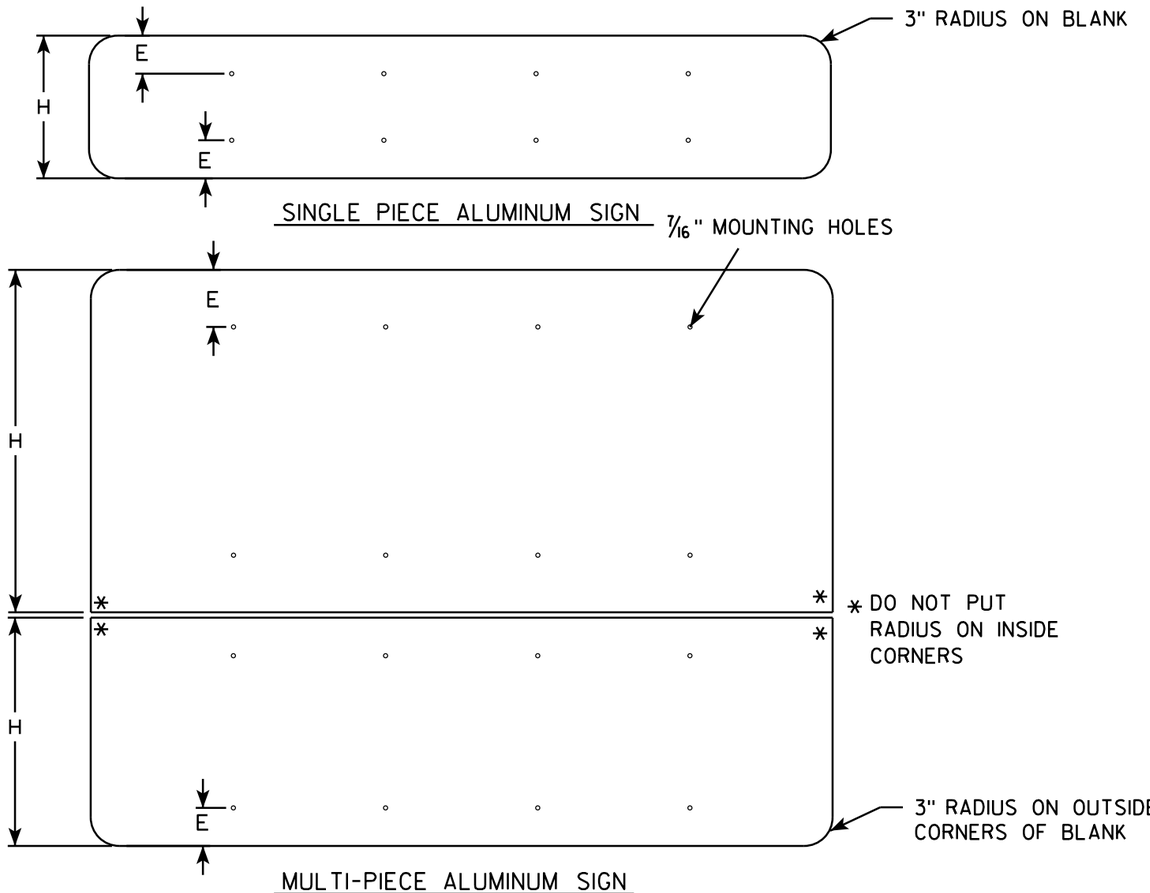
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

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

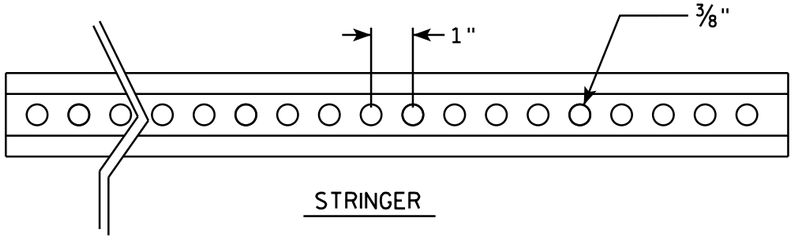
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 130	E



GENERAL NOTES

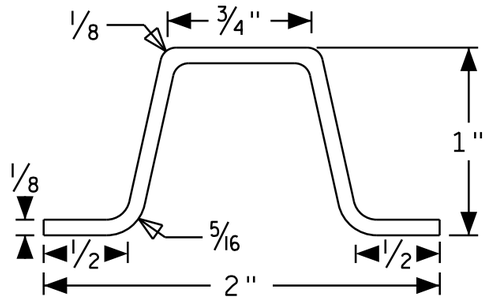
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

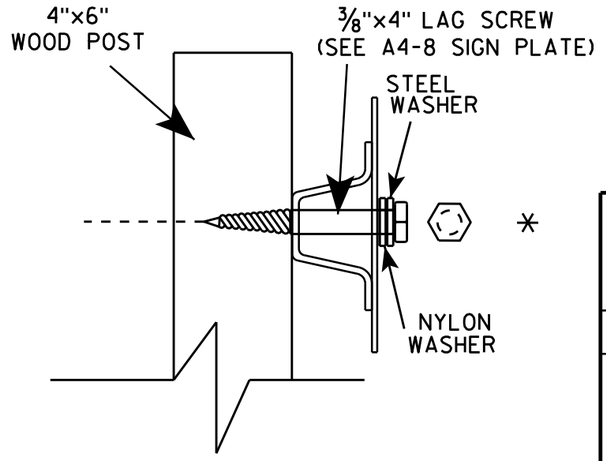


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

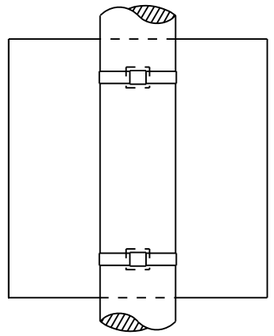
DATE 4/26/16 PLATE NO A4-18.1

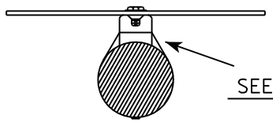
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

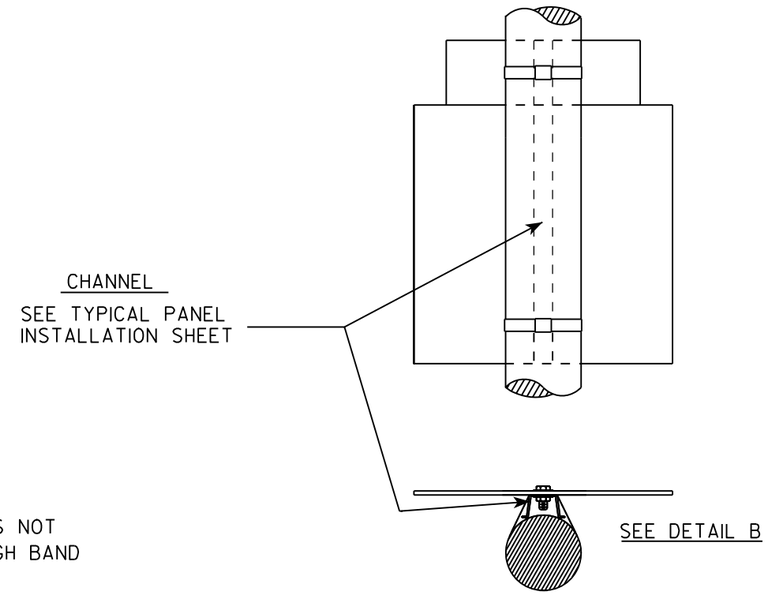
BANDING

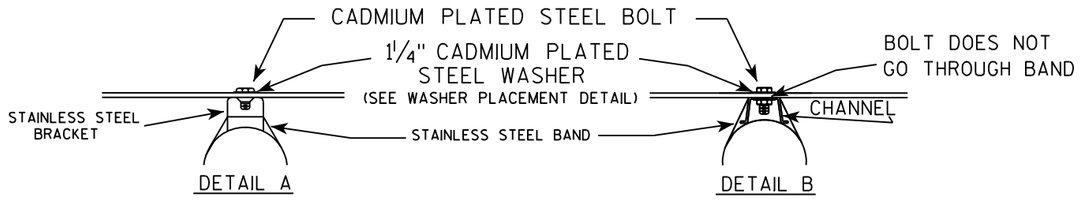
SINGLE SIGN



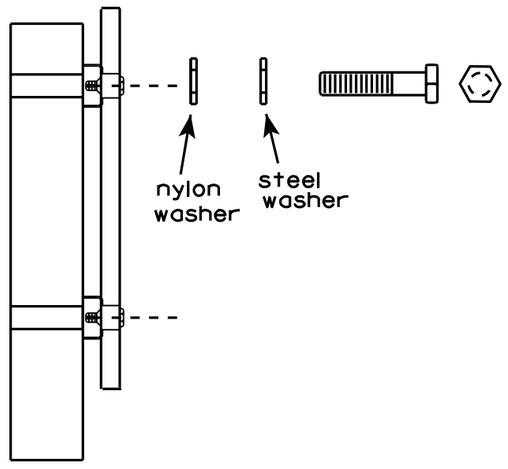


"J" ASSEMBLY





WASHER PLACEMENT



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

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be 3/4" in width and 0.025" thickness.

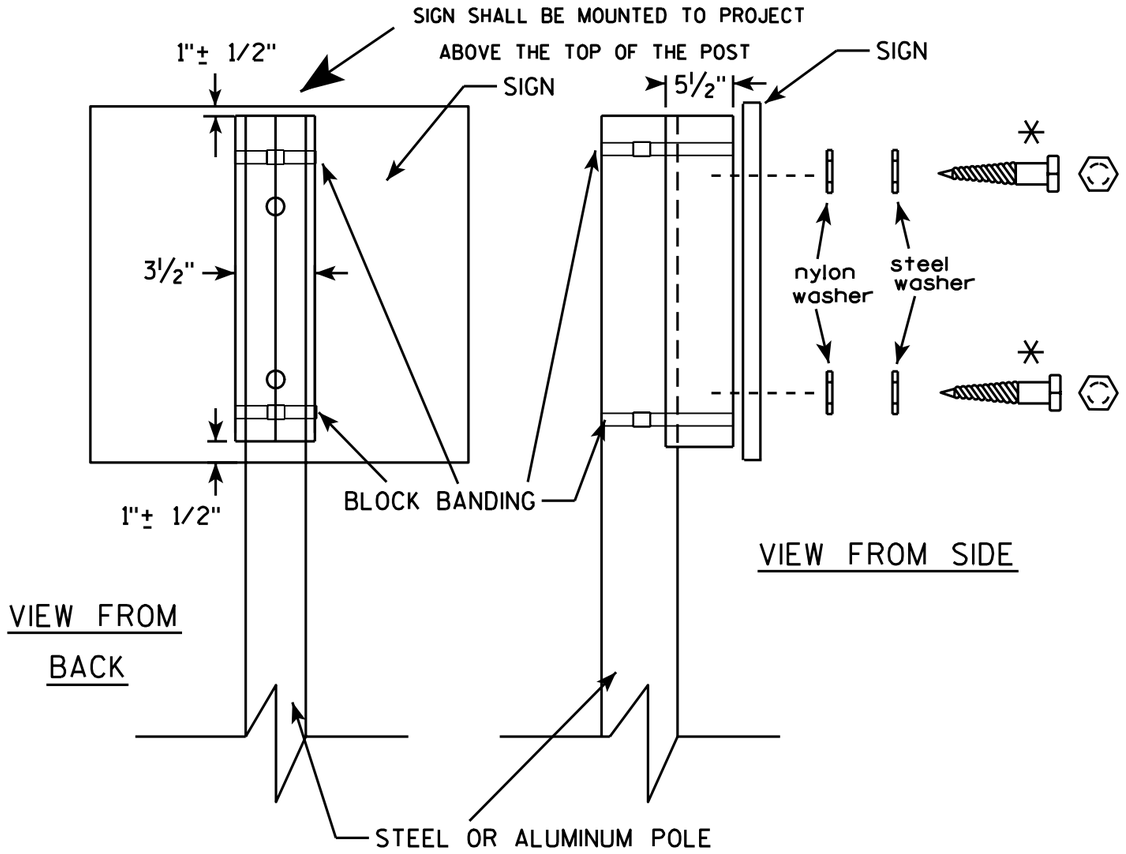
STANDARD SIGN
SIGN BANDING DETAILS

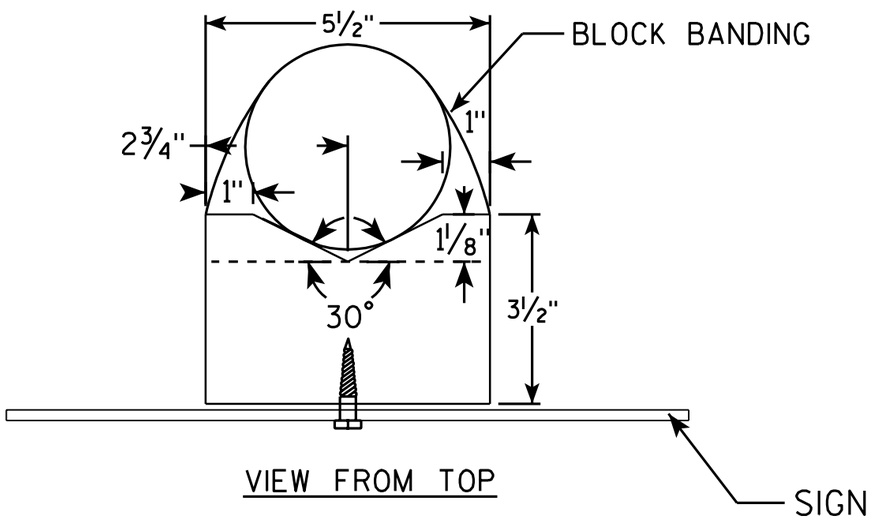
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/16/13 PLATE NO. A5-9.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 132	E





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
   b. Cadmium plated in accordance with ASTM Designation : B 766 TYPE 3, Class 12, or
   c. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

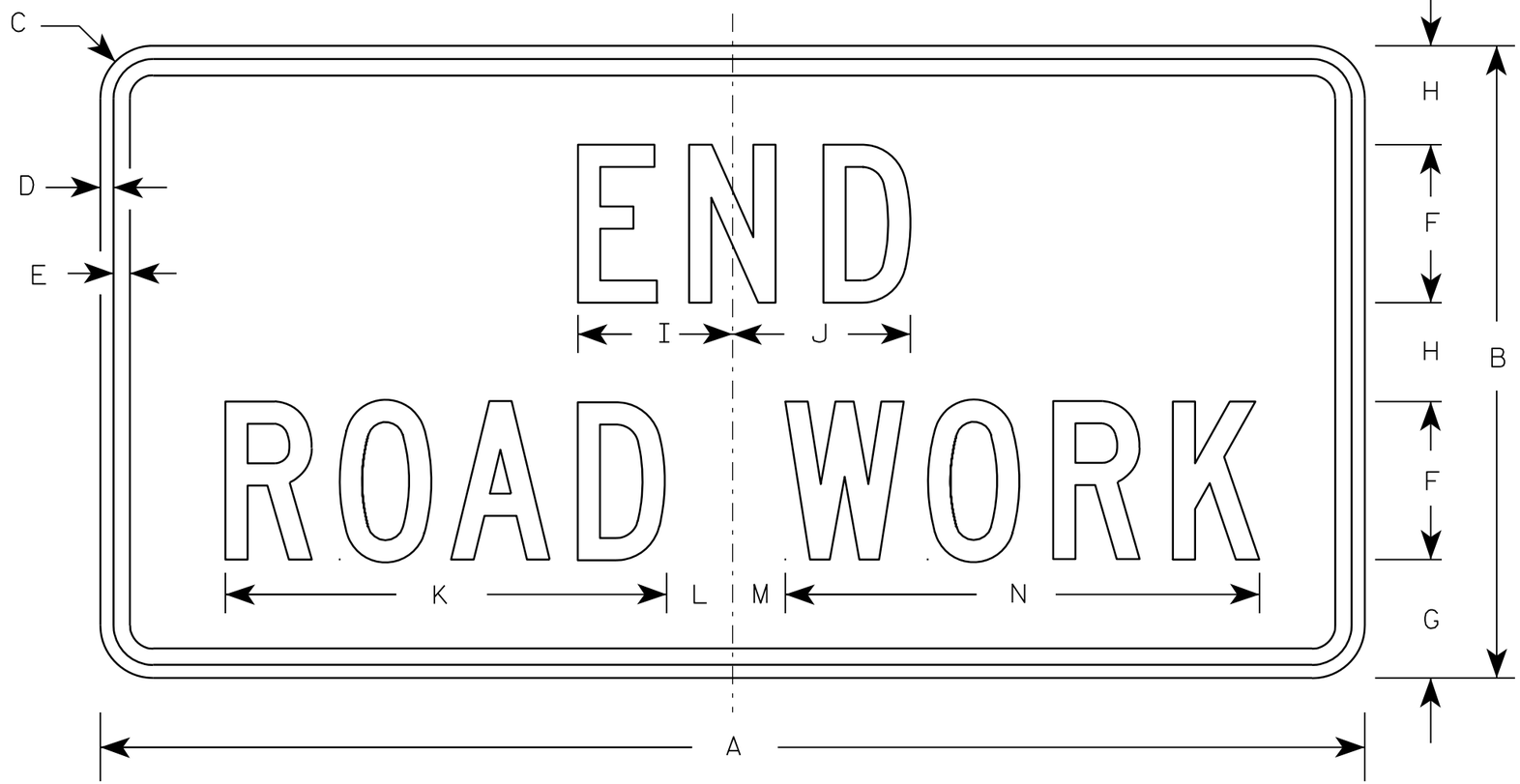
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/12/07 PLATE NO. A5-10.1

PROJECT NO:

SHEET NO: 133 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

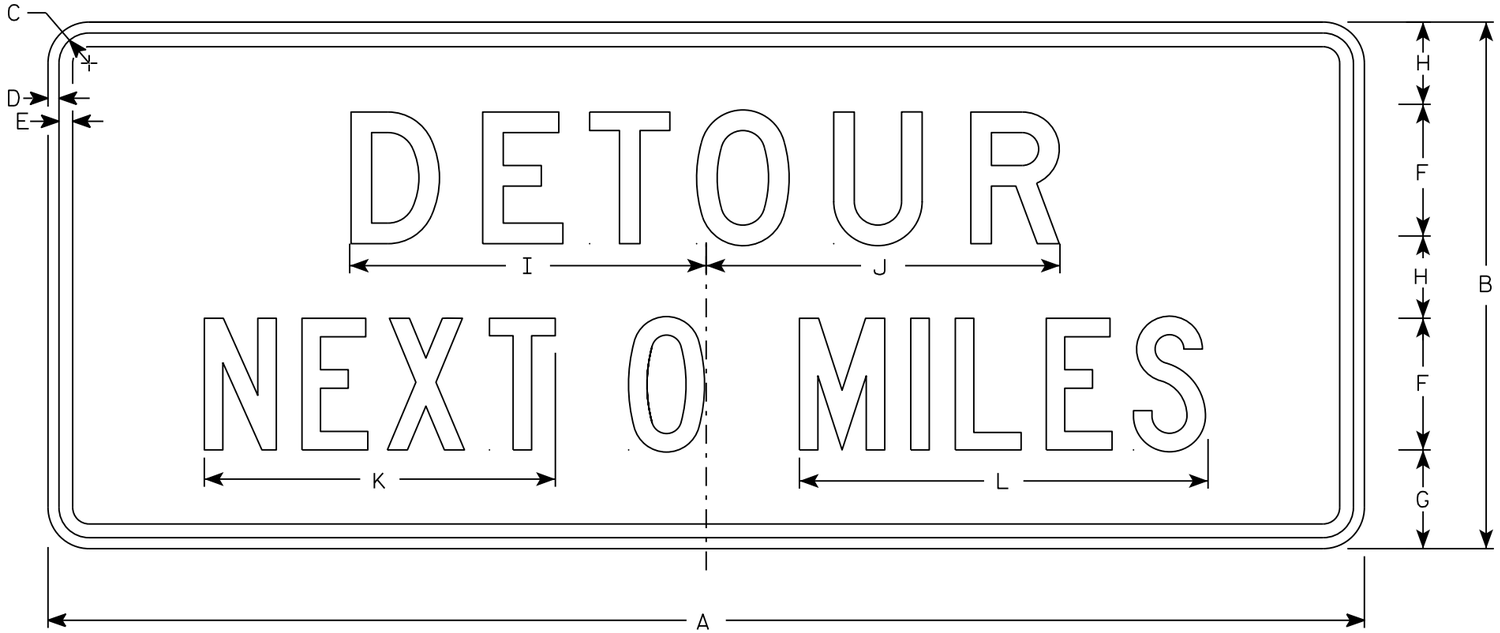
STANDARD SIGN
G20-2A

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: 134	E



G20-51

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - Line 1 is D and Line 2 is C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Round distance to nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10
3																											
4	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10
5																											

STANDARD SIGN
G20-51

WISCONSIN DEPT OF TRANSPORTATION

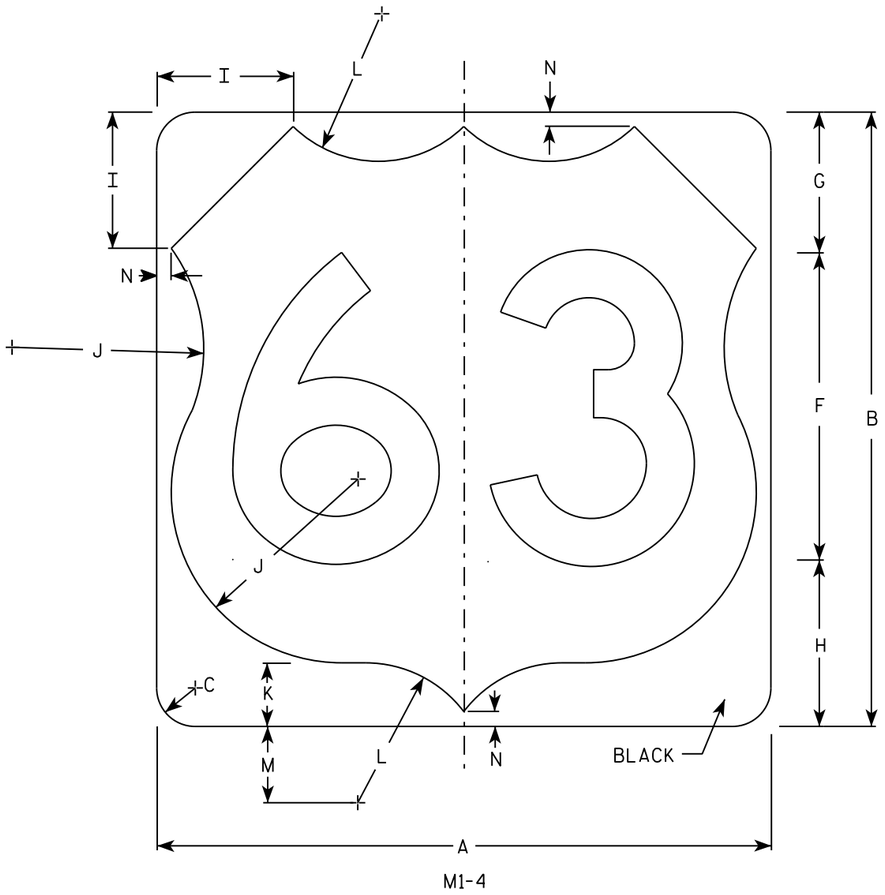
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/14/17 PLATE NO. G20-51.2

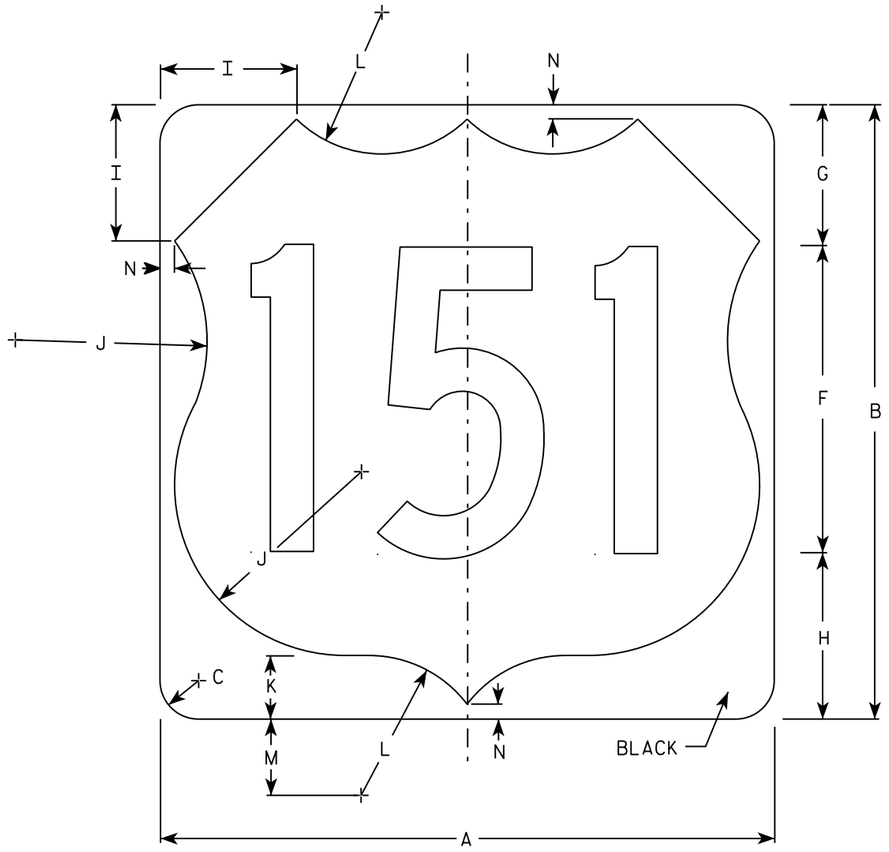
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 135	E

NOTES

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



M1-4



M1-4

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

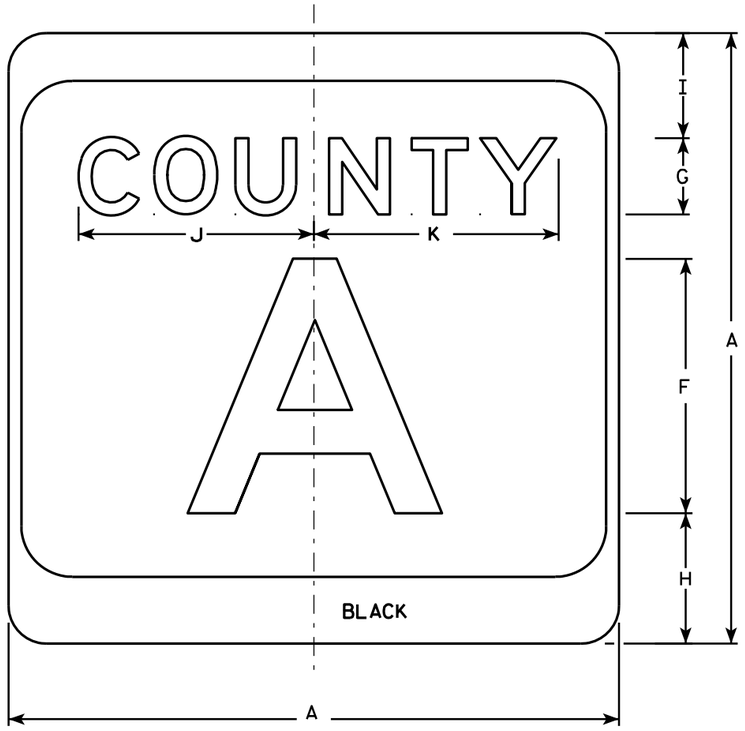
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

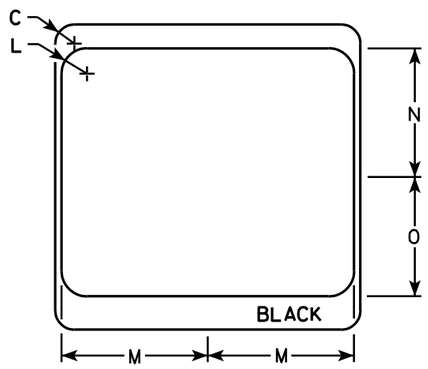
APPROVED Matthew R Rauch
for State Traffic Engineer

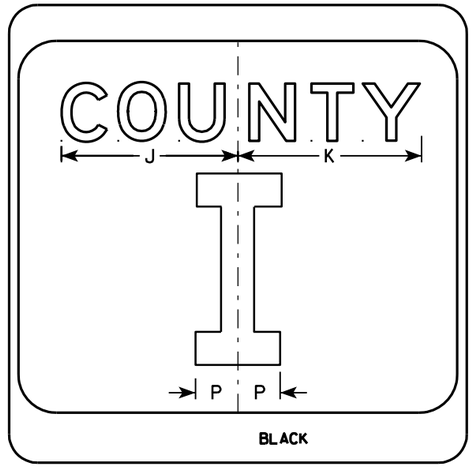
DATE 3/16/18 PLATE NO. M1-4.10

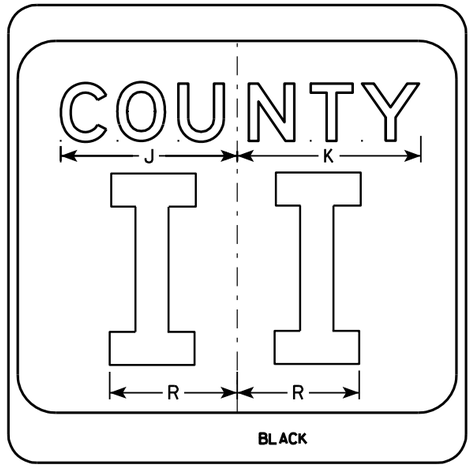
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 136	E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

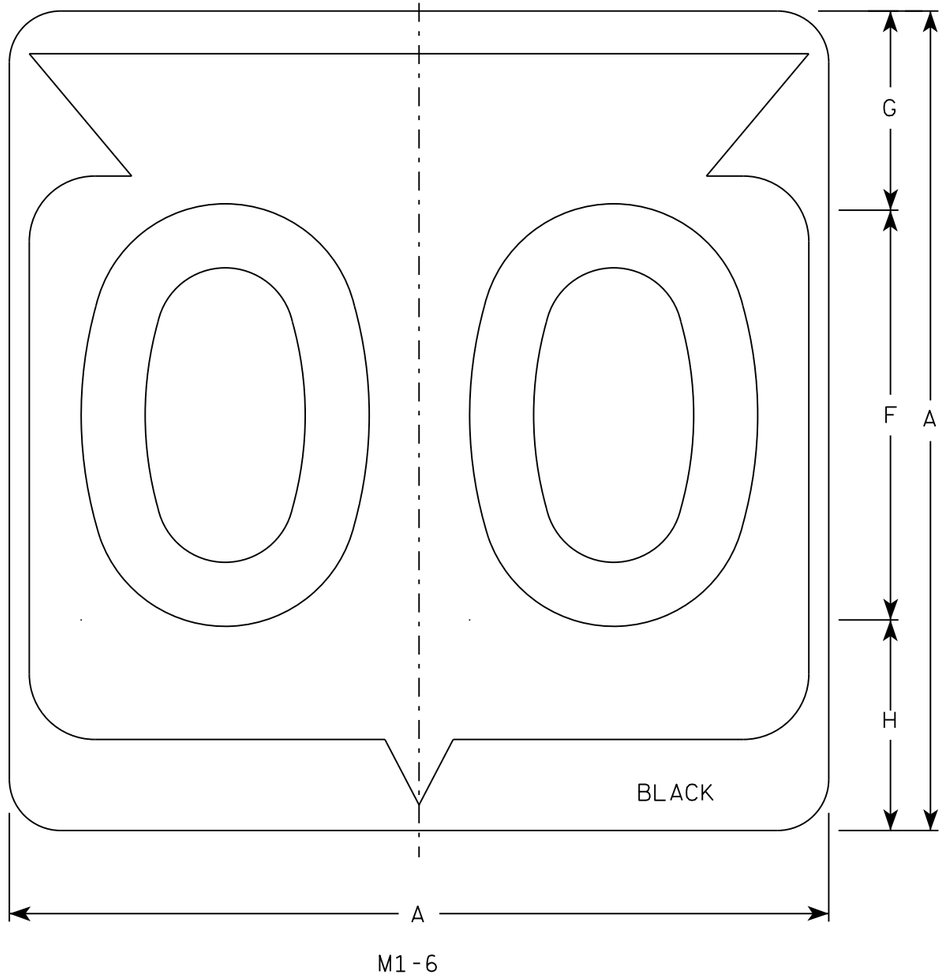
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 137 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M15A.DGN PLOT DATE : 29-SEP-2011 11:25 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.959043:1.000000

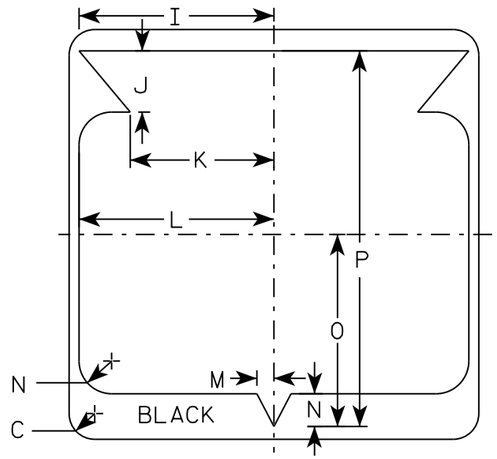
WISDOT/CADDS SHEET 42



M1-6

NOTES

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



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

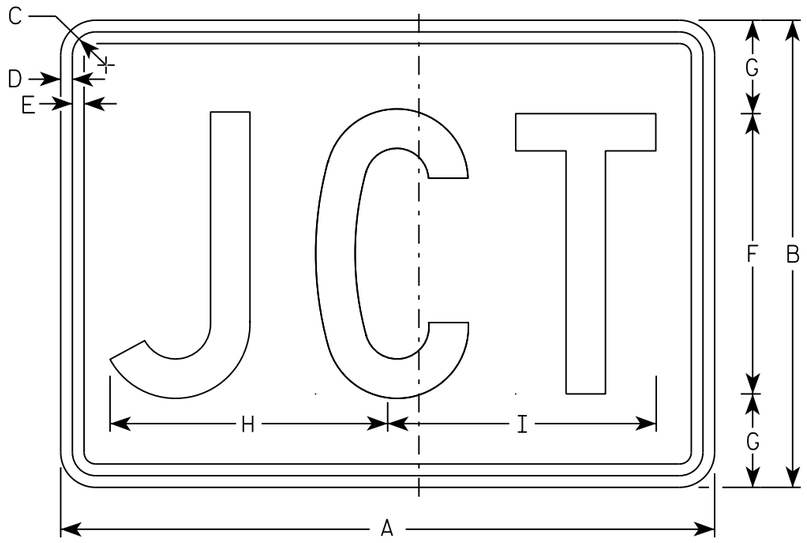
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

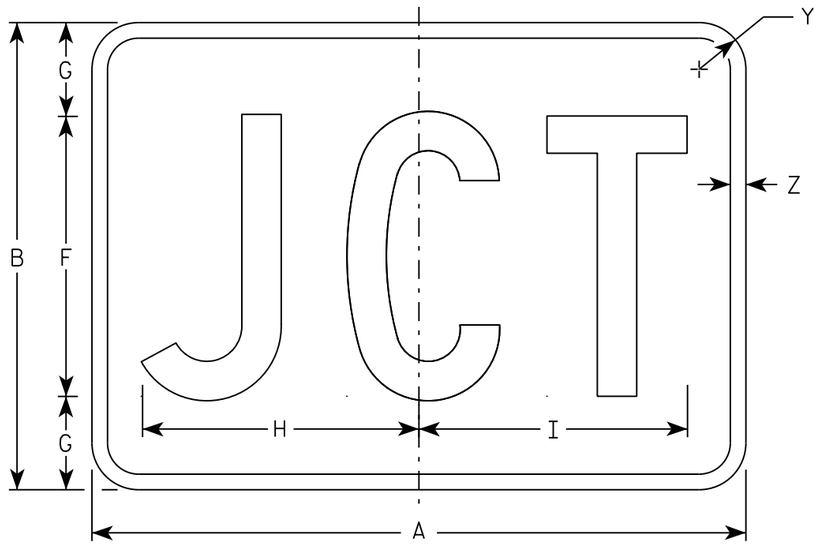
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 138	E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

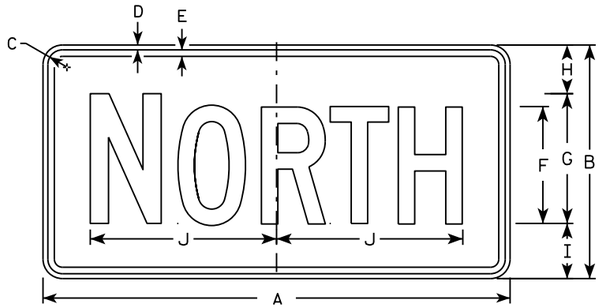
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

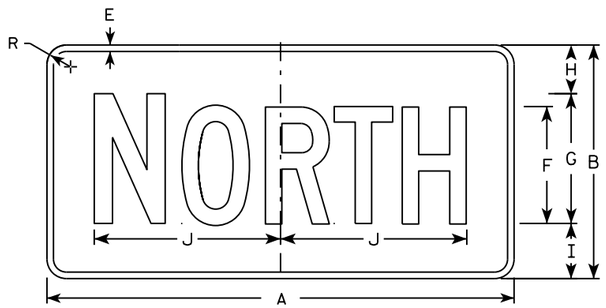
DATE 10/15/15 PLATE 139 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



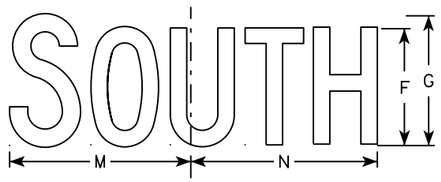
M3-1
MM3-1
MP3-1



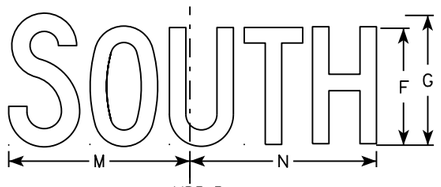
MB3-1
MK3-1
MN3-1

M3-2
MM3-2
MP3-2

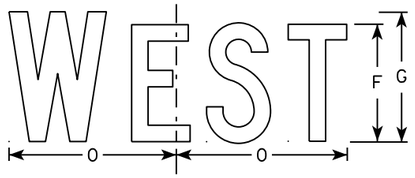
MB3-2
MK3-2
MN3-2



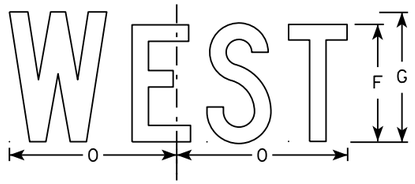
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

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

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

STANDARD SIGNS
M3-1 thur M3-4
SERIES

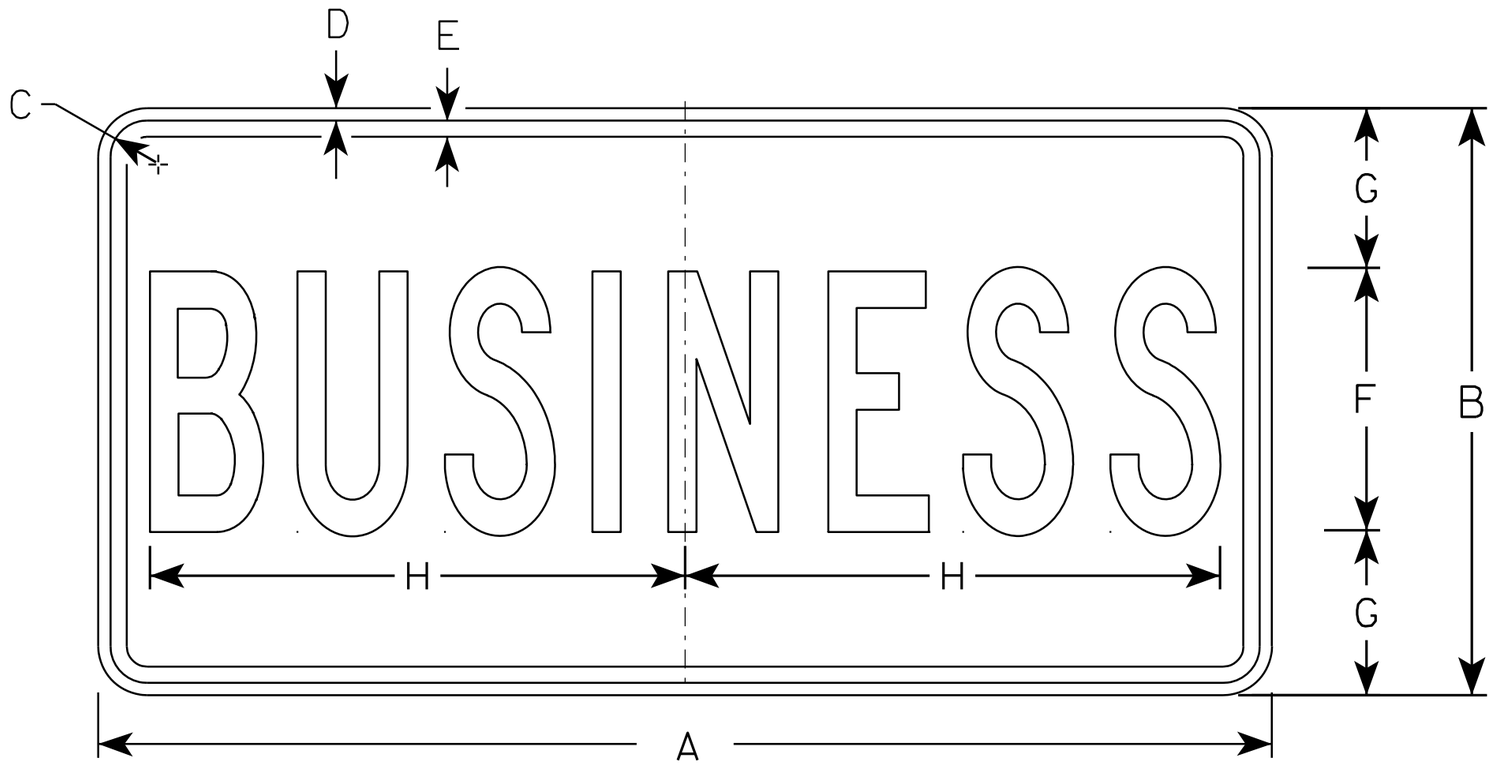
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

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

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



M4-3

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	5	3 1/2	9 5/8																			2.0
3	36	18	1 1/8	3/8	1/2	8	5	16 3/8																			4.5
4																											
5																											

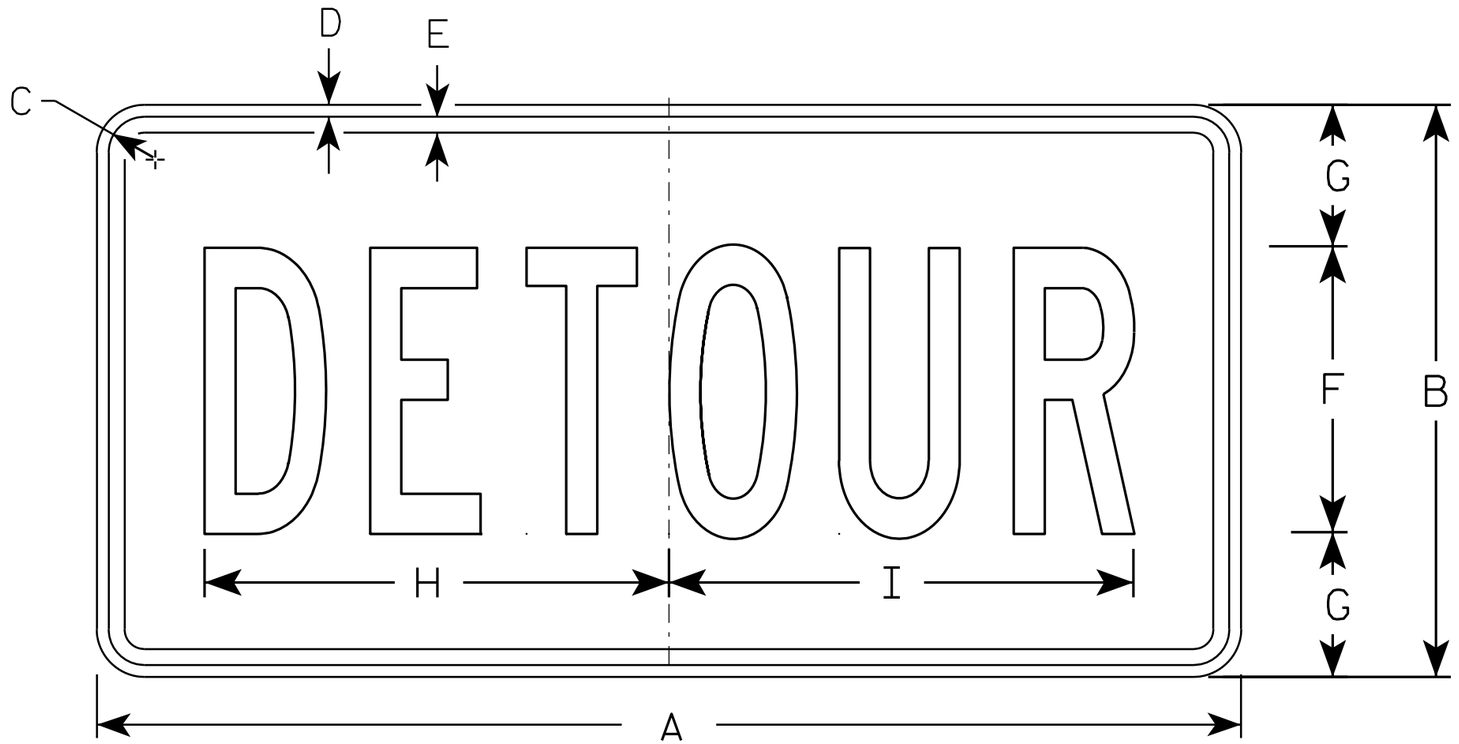
STANDARD SIGN
M4-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-3.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 141 | E



M4-8

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

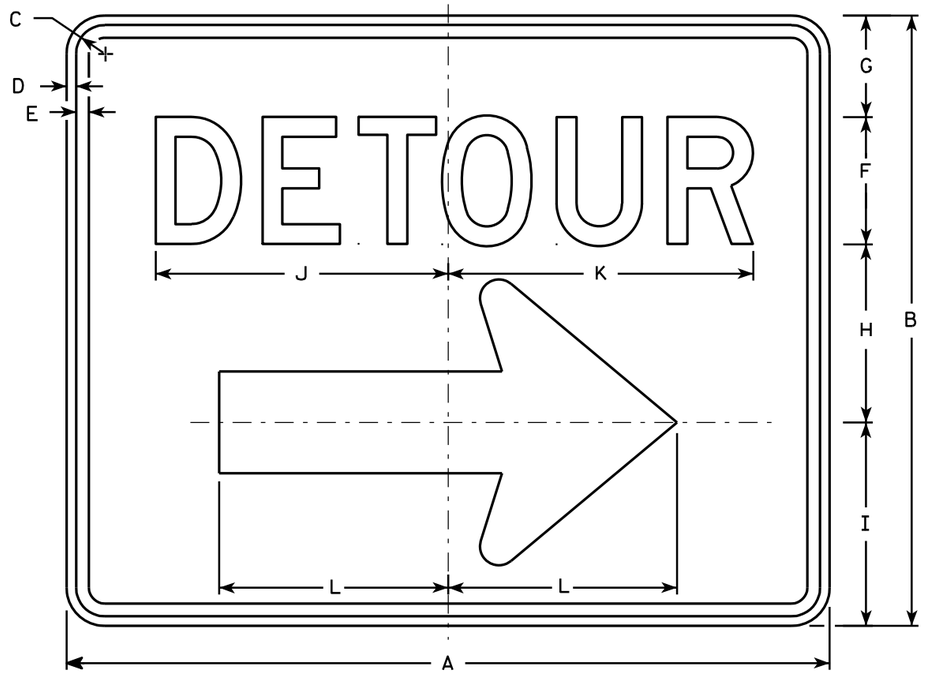
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

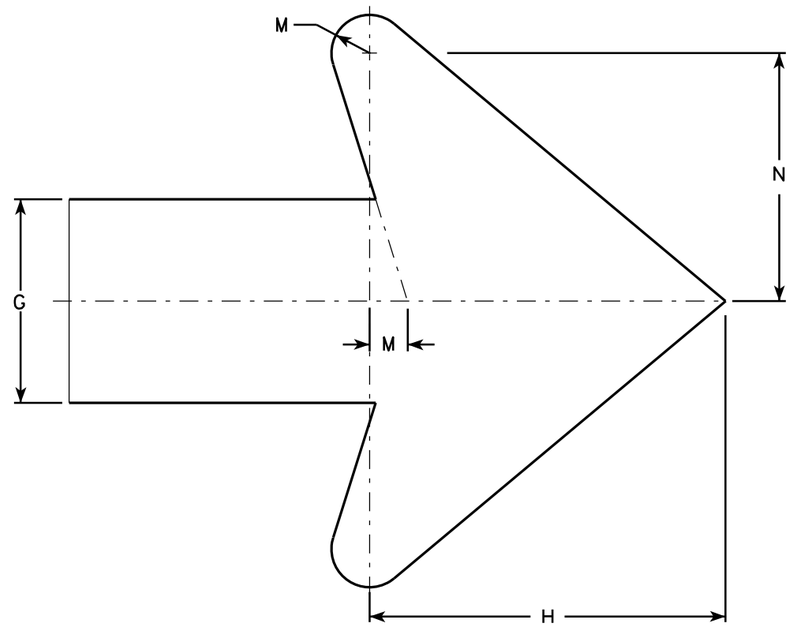
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 142	E



M4-9R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9L is the same as M4-9R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

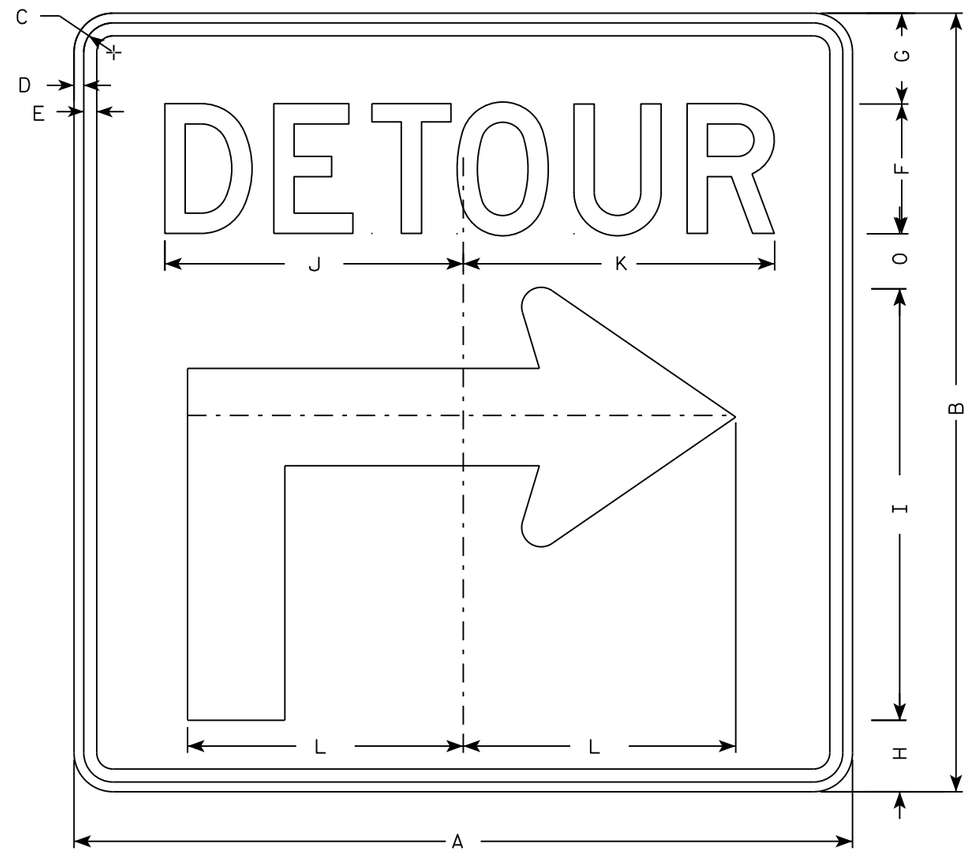
STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

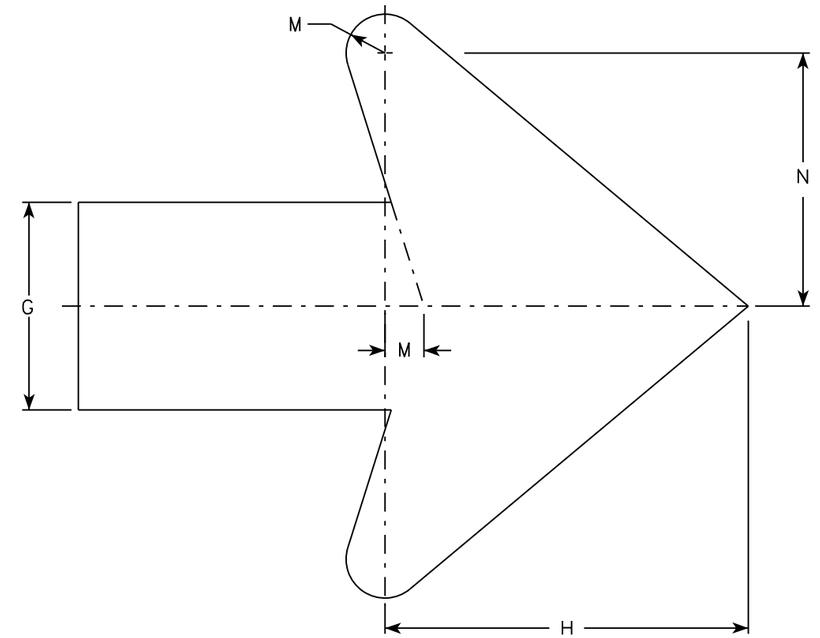
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 143	E



M4-59R

NOTES

1. Sign is Type II - Type F Reflective
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.
5. M4-59L is the same as M4-59R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	30	1 1/8	3/8	1/2	5	3 1/2	2 3/4	16 5/8	11 1/2	12	10 1/2	3/4	4 7/8	2 1/8												6.25
3	30	30	1 1/8	3/8	1/2	5	3 1/2	2 3/4	16 5/8	11 1/2	12	10 1/2	3/4	4 7/8	2 1/8												6.25
4	48	48	1 3/8	1/2	5/8	8	5 5/8	4 3/8	26 5/8	20 5/8	20 1/2	17	1 1/8	6 7/8	3 3/8												16.0
5	48	48	1 3/8	1/2	5/8	8	5 5/8	4 3/8	26 5/8	20 5/8	20 1/2	17	1 1/8	6 7/8	3 3/8												16.0

STANDARD SIGN
M4-59 L&R

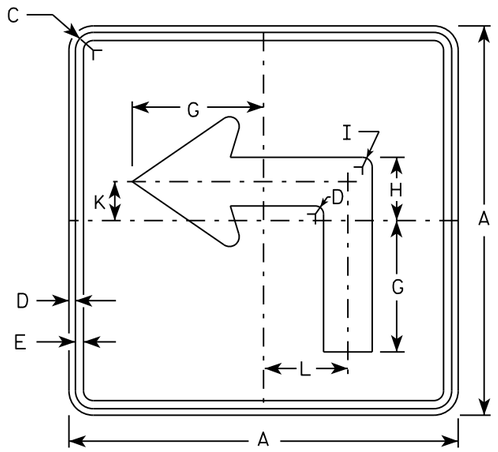
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

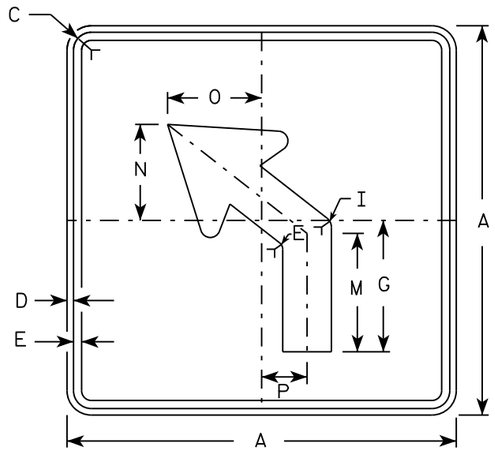
DATE 11/10/15 PLATE M4-59.1

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

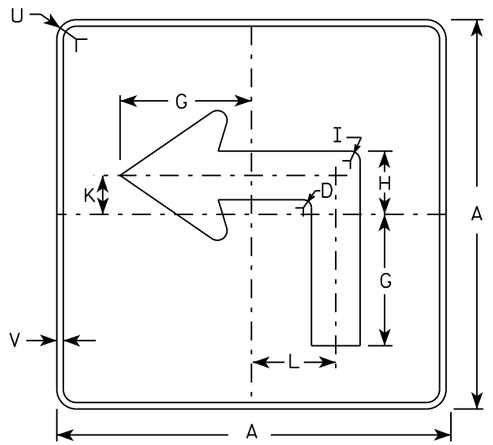
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M459.DGN PLOT DATE : 01-DEC-2015 18:05 PLOT BY : $$ platuser $$ PLOT NAME : PLOT SCALE : 5.837526:1.000000



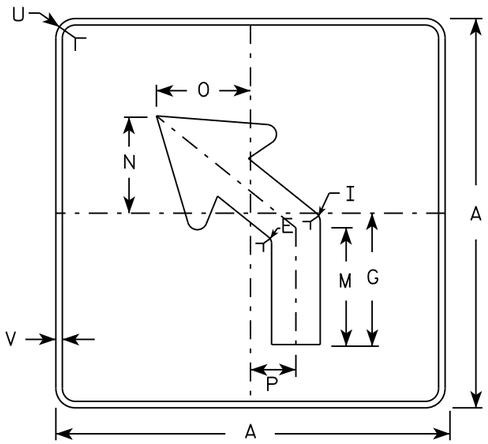
M5-1L
MM5-1L
MO5-1L
MP5-1L



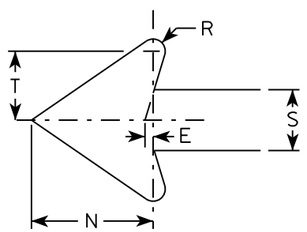
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

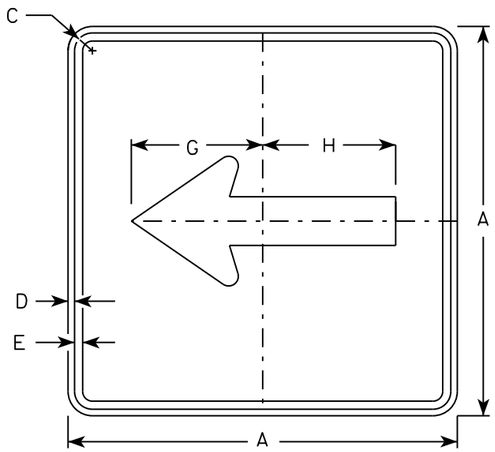
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

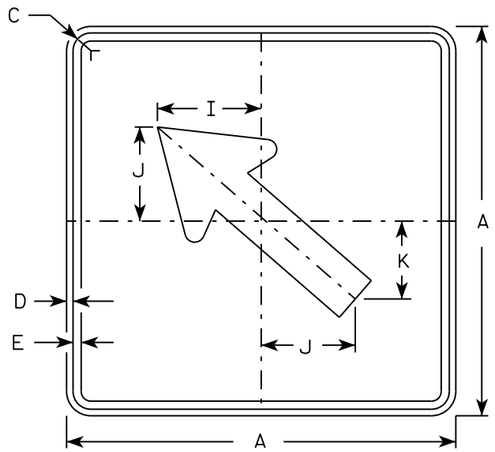
DATE 10/15/15 PLATE NO. M5-1.13

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



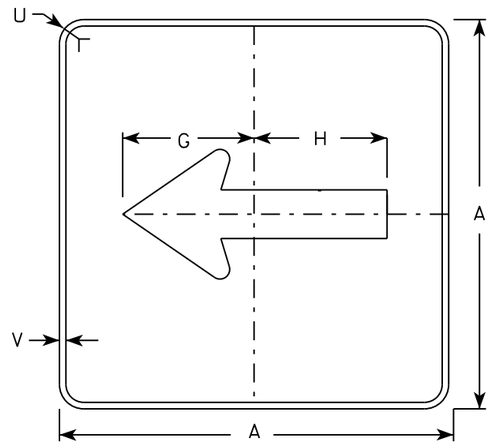
M6-1
MM6-1
MO6-1
MP6-1



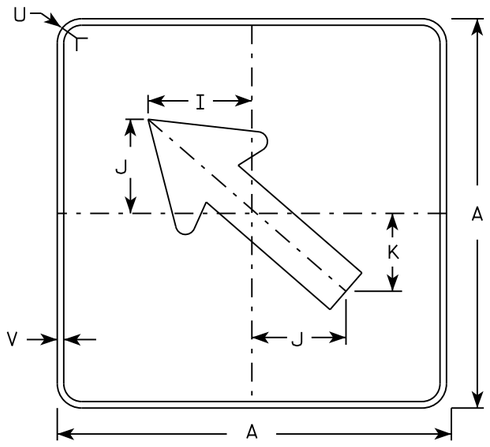
M6-2
MM6-2
MO6-2
MP6-2

NOTES

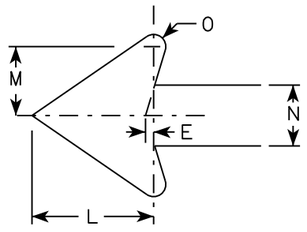
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

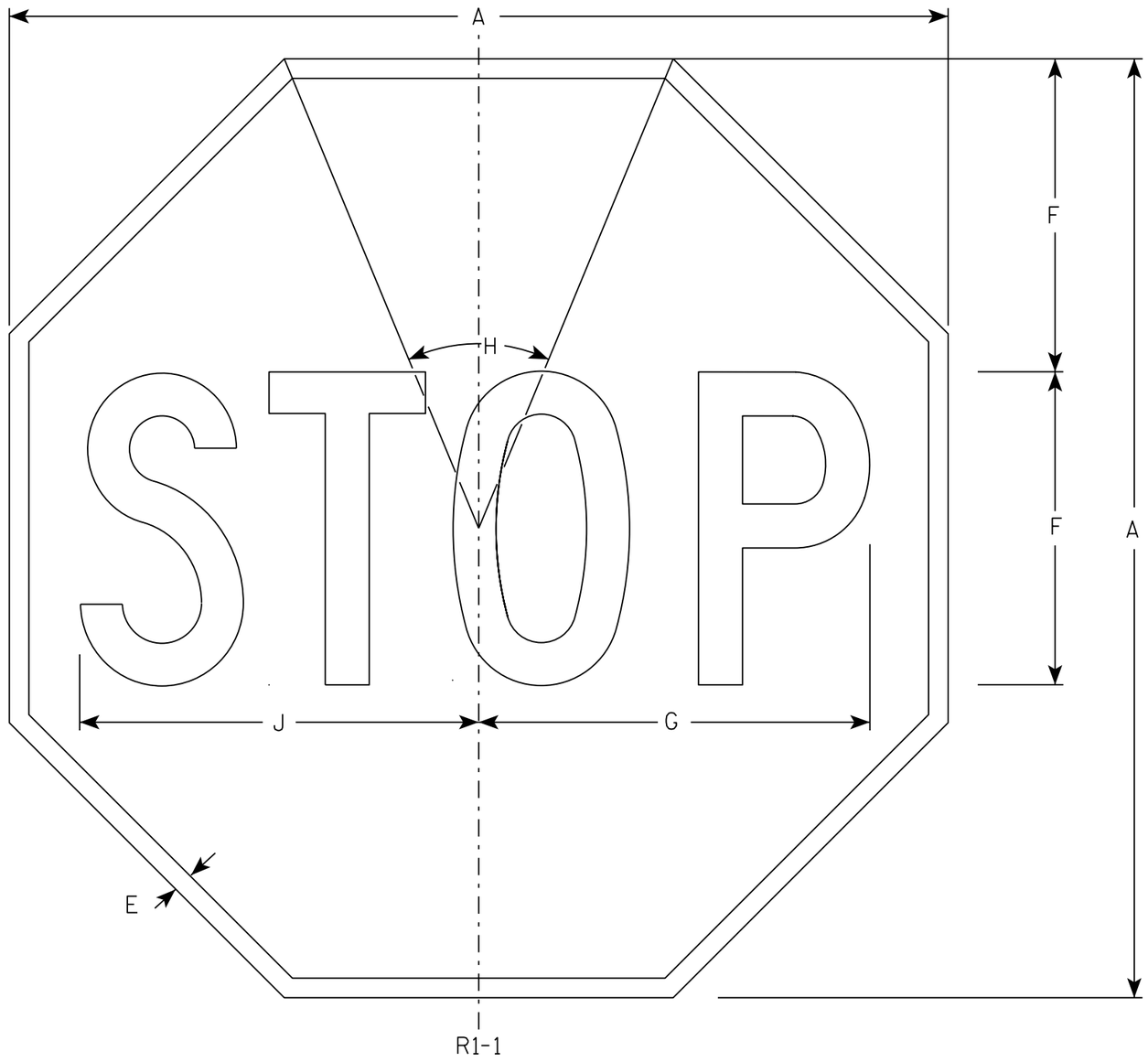
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 146 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN

R1-1

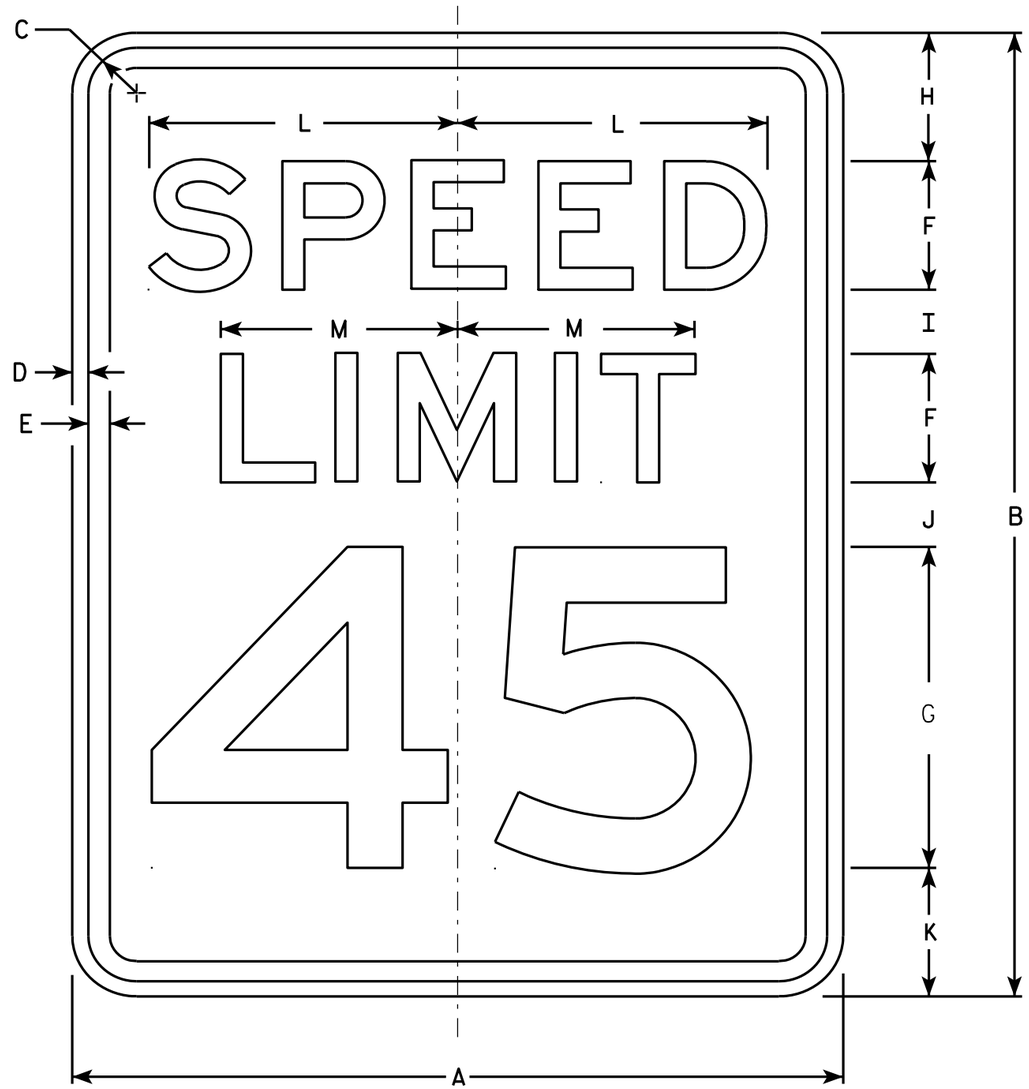
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 147	E



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

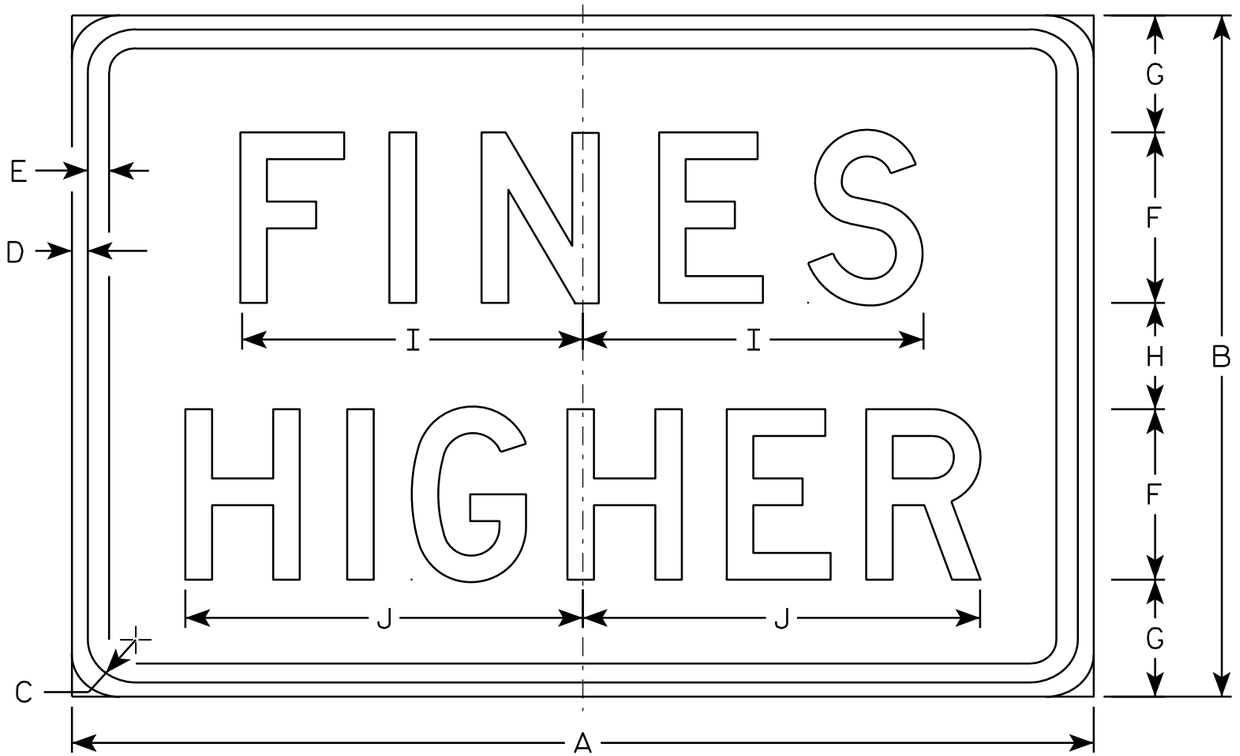
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 148 | E



R2-6P

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
2M	24	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
3	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
4	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
5	48	36	1 3/8	1/2	5/8	8	7	6	15 1/8	19																	12.0

STANDARD SIGN
R2-6P

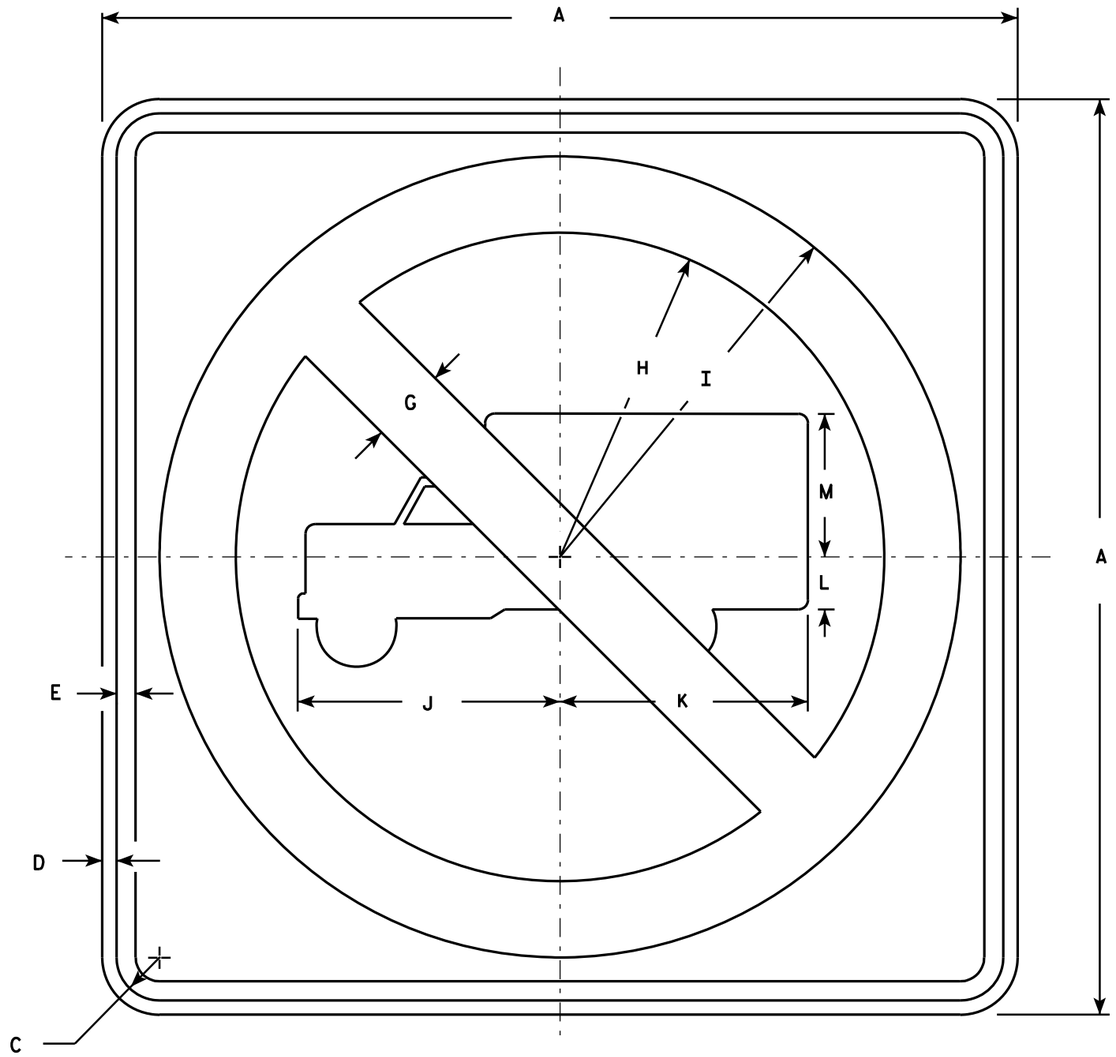
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/20/10 PLATE NO. R2-6P.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 149 | E

7



R5-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Circle & Diagonal - Reflective red.
   Truck Symbol & Border - Non-reflective black.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
2M	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
3	30		1 3/8	1/2	5/8		2 1/2	10 5/8	13 1/8	8 1/2	8 1/8	1 5/8	4 3/4														6.25
4	36		1 5/8	5/8	3/4		3	12 3/4	15 3/4	10 1/4	9 3/4	2	5 3/4														9.0
5	48		2 1/4	3/4	1		4	17	21	13 5/8	13	2 5/8	7 5/8														16.0

STANDARD SIGN
R5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

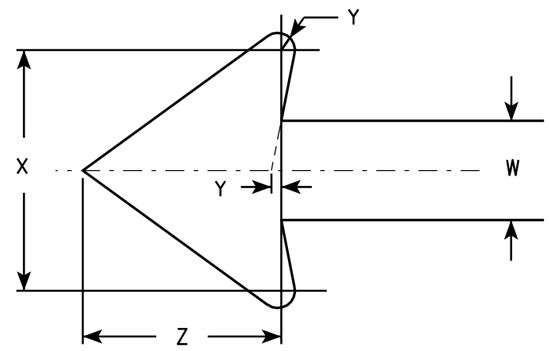
DATE 3/29/2011 PLATE NO. R5-2.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 150	E

R7-51

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R7-51D (double arrow)
   R7-51R (right arrow)
   R7-51L (left arrow)
6. Lines 1, 3 and 4 are Series C.
   Line 2 is Series B.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	4 7/8	5/8	1 3/4	2 1/2	4 3/8	3 7/8	3/4	1 3/4	1/8	1 1/2	1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	5 3/4	1 1/8	1 1/2	3 1/8	5 1/2	5 7/8	1 1/8	2 5/8	1/4	2 1/4	3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
4																											
5																											

STANDARD SIGN
R7-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-51.6

PROJECT NO:	HWY:	COUNTY:			SHEET NO: 151	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																											

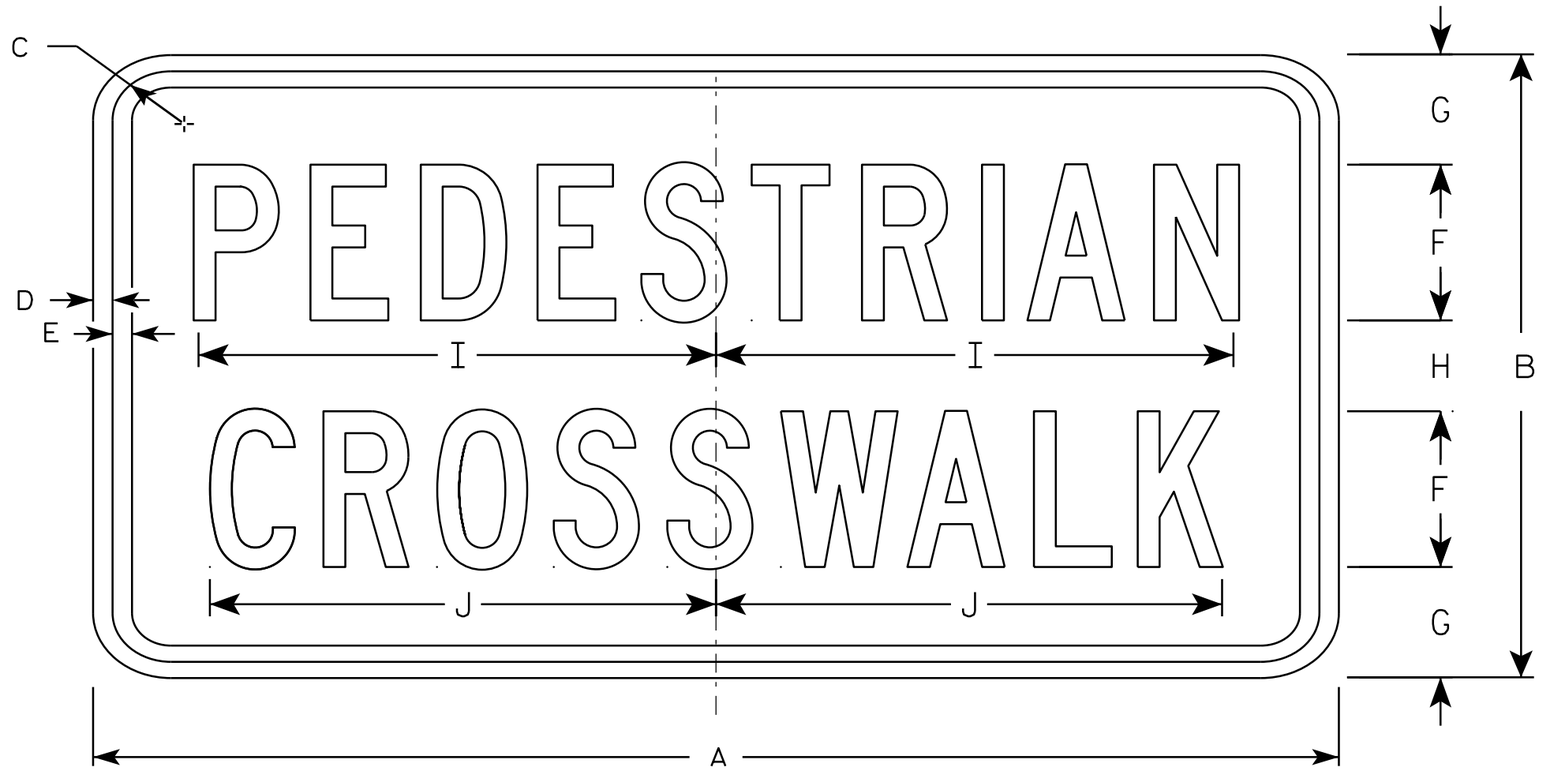
STANDARD SIGN
R8-8

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: 152	E



R9-8

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 - 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	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	9 3/4																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	9 3/4																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	13	13																	3.75
4																											
5																											

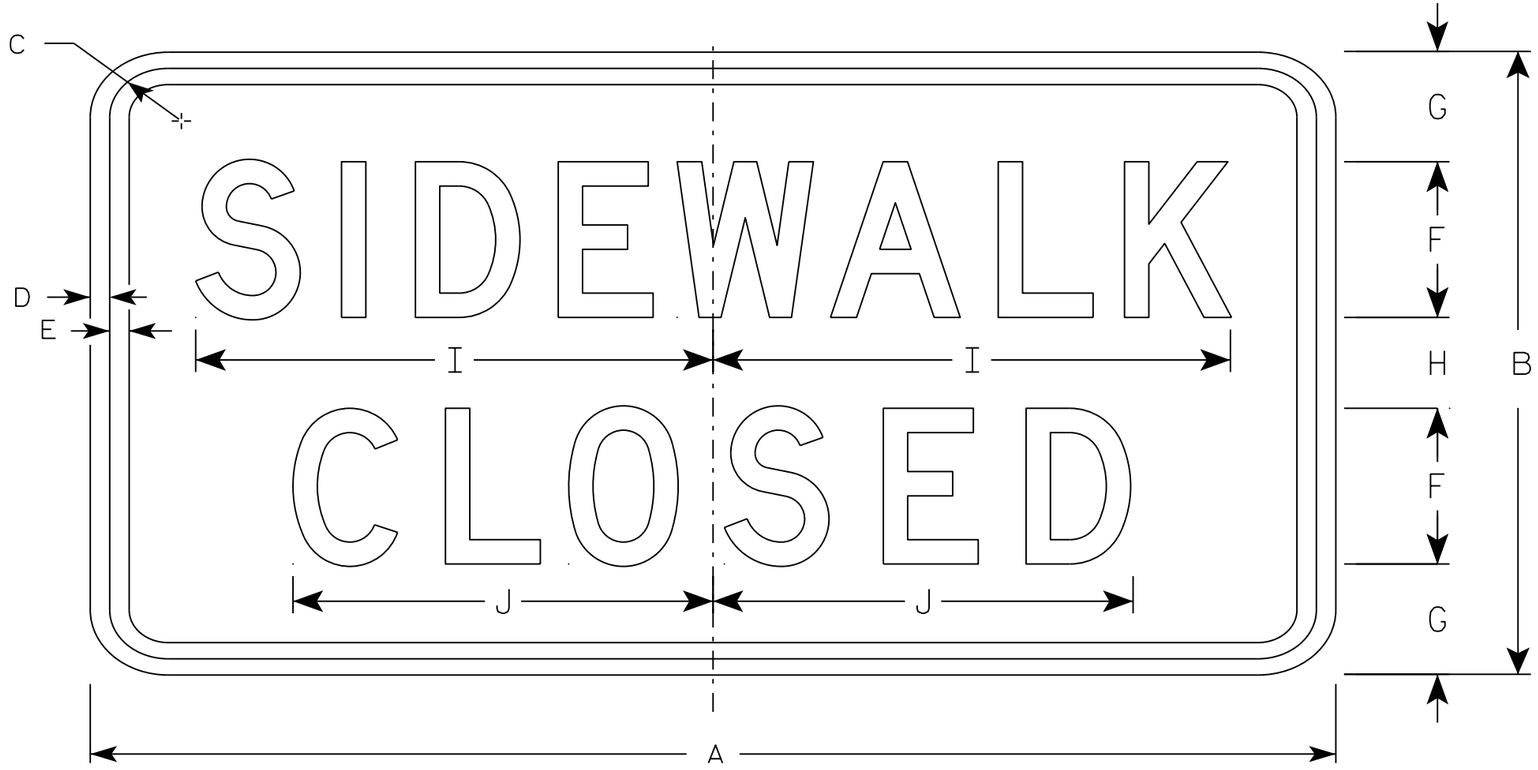
STANDARD SIGN
R9-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/17/16 PLATE 153 R9-8.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



R9-9

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

STANDARD SIGN
R9-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

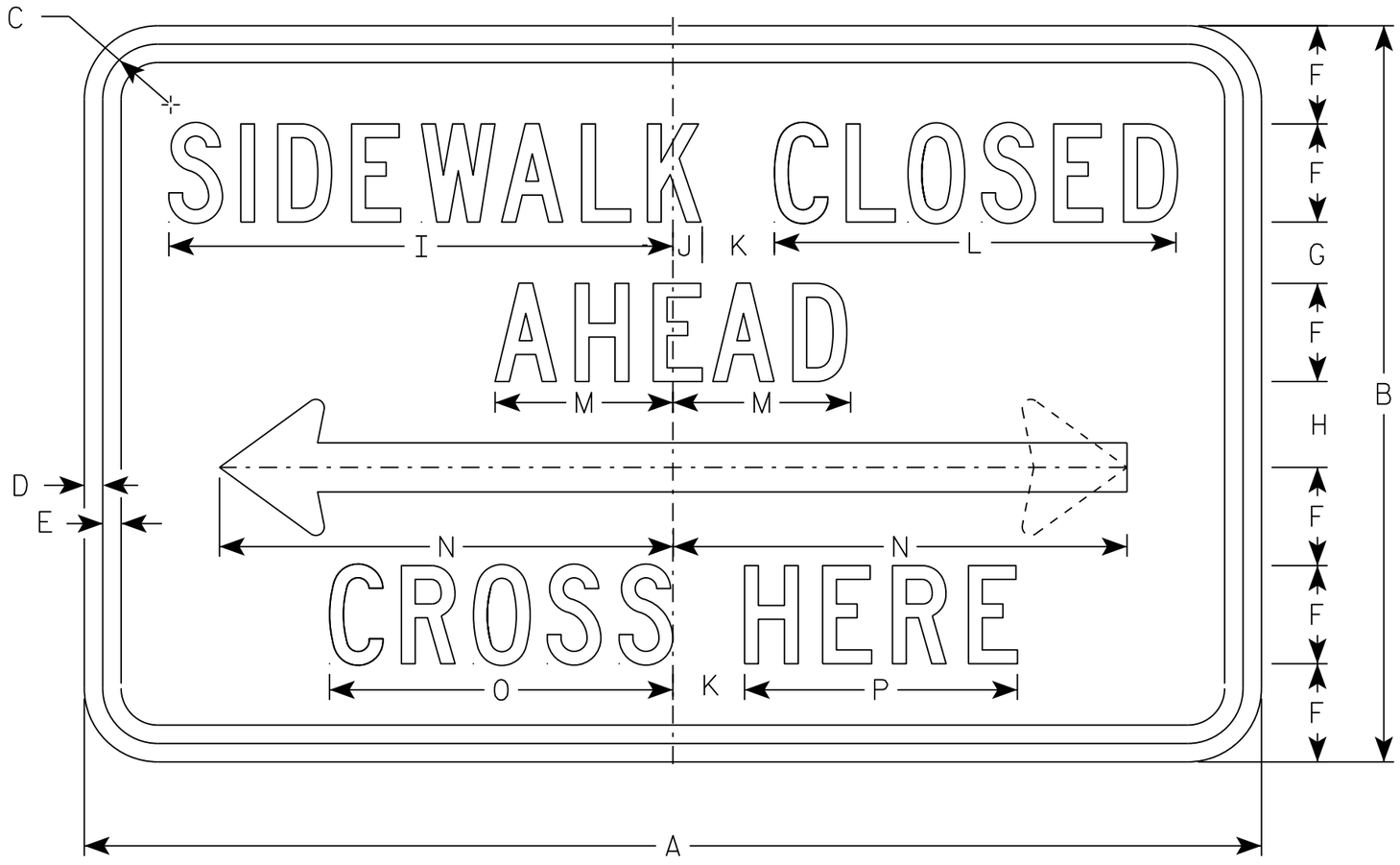
DATE 8/11/16 PLATE 154 R9-9.6

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

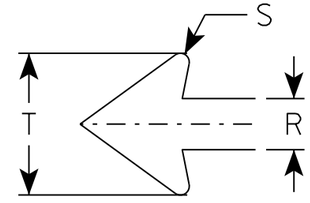
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.DGN PLOT DATE : 11-AUG-2016 11:33 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 2.918761:1.000000

NOTES

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



R9-11



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
2M	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
3	30	15	1 1/8	3/8	1/2	2	1 1/2	1 1/2	13	3/4	2	10 1/4	4 5/8	12 3/8	8 7/8	6 7/8		1 1/4	1/4	3 5/8							3.125
4																											
5																											

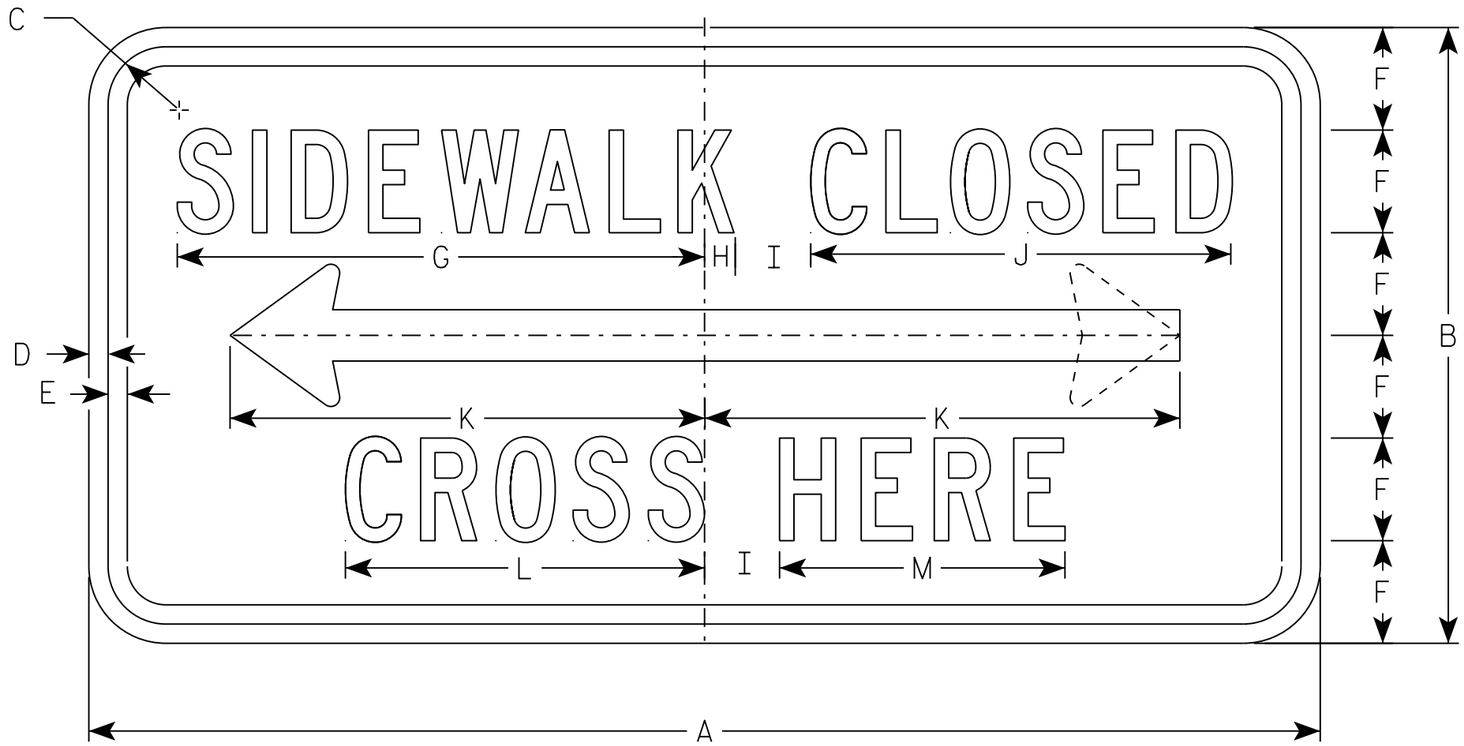
STANDARD SIGN
R9-11

WISCONSIN DEPT OF TRANSPORTATION

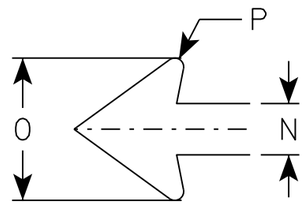
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/29/16 PLATE NO. R9-11.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 155	E



R9-11A



NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
2M	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
3	30	15	1 1/8	3/8	1/2	2	13	3/4	2	10 1/4	12 3/8	8 7/8	6 7/8	1 1/4	3 5/8	1/4											3.125
4																											
5																											

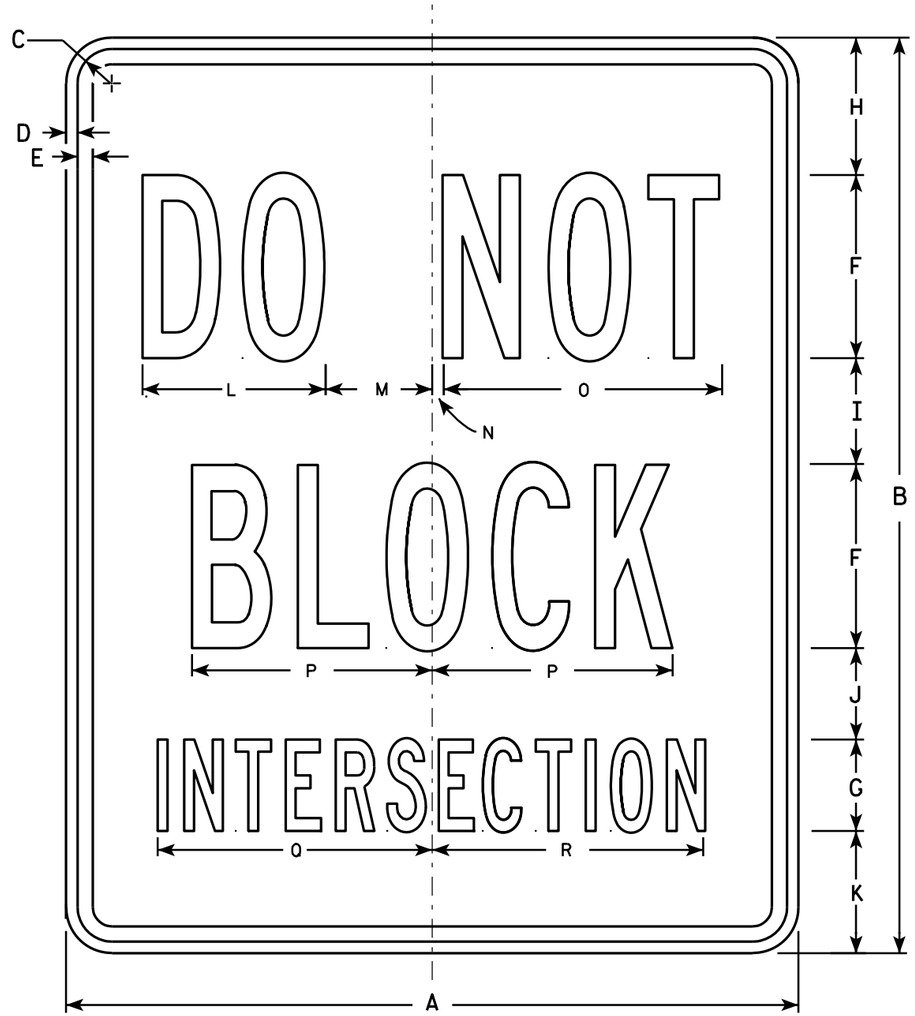
STANDARD SIGN
R9-11A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/29/16 PLATE NO. R9-11A.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 156 E



R10-7

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
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	6	3	4 1/2	3 1/2	3	4	6	3 1/2	3/8	9 1/8	7 7/8	9	8 7/8									5.0
2M	24	30	1 1/8	3/8	1/2	6	3	4 1/2	3 1/2	3	4	6	3 1/2	3/8	9 1/8	7 7/8	9	8 7/8									5.0
3	36	48	1 3/8	1/2	5/8	10	5	7	5 1/4	4 1/2	6 1/4	10	5 5/8	1/2	15 1/8	13 1/8	15	14 7/8									12.0
4																											
5																											

STANDARD SIGN
R10-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/5/11 PLATE NO. R10-7.5

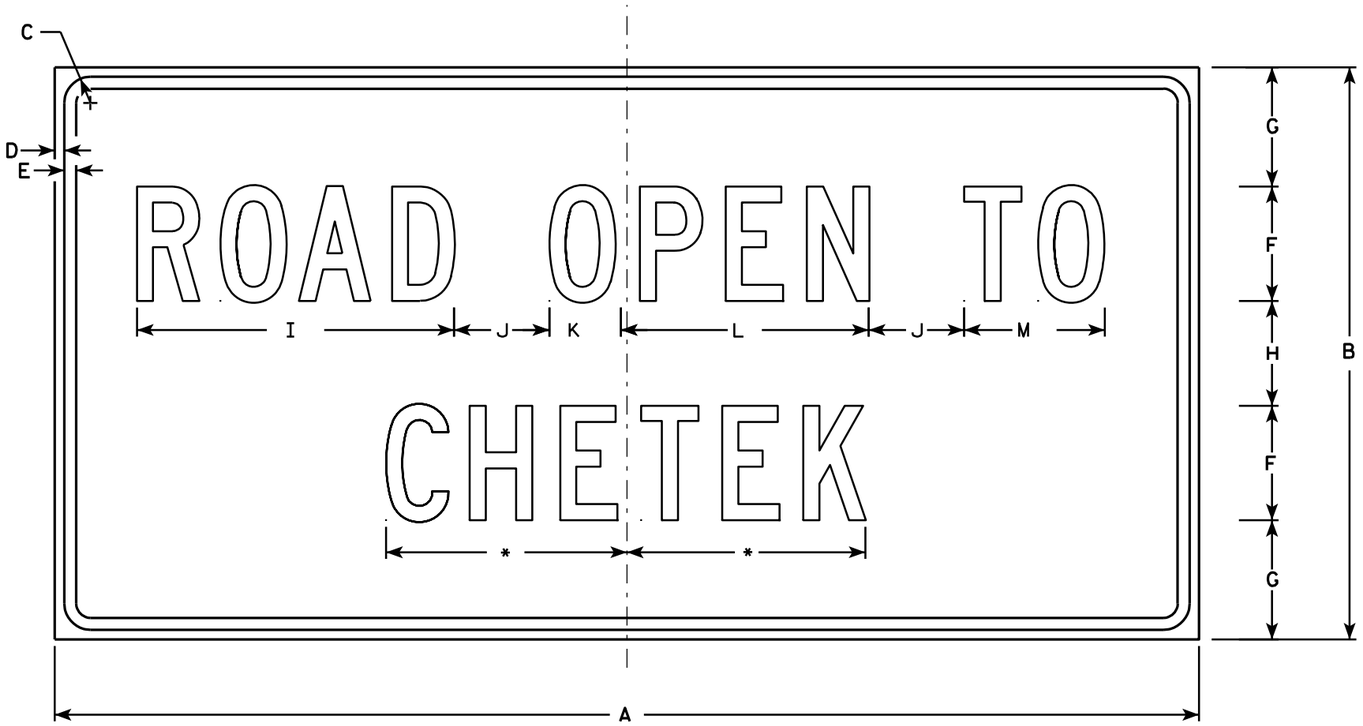
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 157	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R107.DGN PLOT DATE : 05-APR-2011 09:44 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 4.965868:1.000000

WISDOT/CADDS SHEET 42

7

7



R10-61

NOTES

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

*See note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	24	1 3/8	1/2	5/8	4	5 1/2	5	10 3/4	2	2 1/8	8 3/8	4 5/8														6.0
2S	60	30	1 3/8	1/2	5/8	6	6 1/4	5 1/2	16 5/8	5	3 3/4	13	7 3/8														12.5
2M	60	30	1 3/8	1/2	5/8	6	6 1/4	5 1/2	16 5/8	5	3 3/4	13	7 3/8														12.5
3																											
4																											
5																											

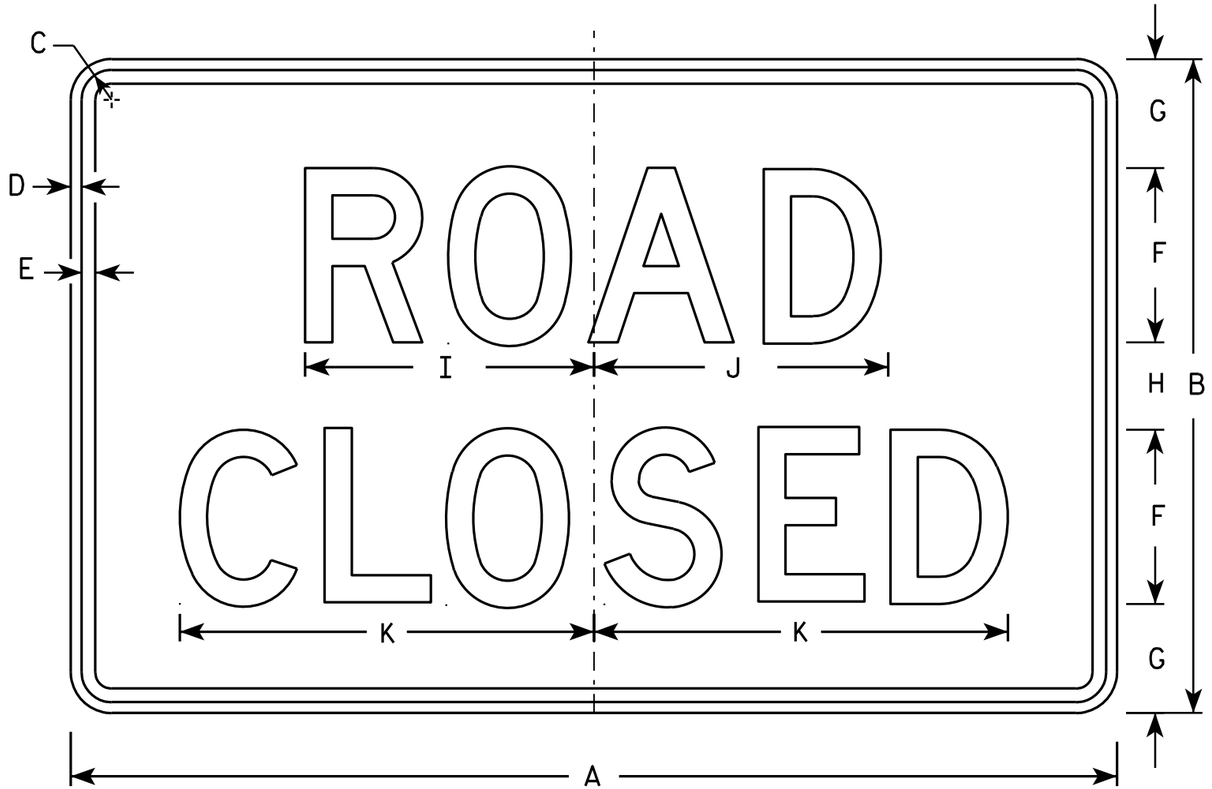
STANDARD SIGN
R10-61

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/4/11 PLATE NO. R10-61.5

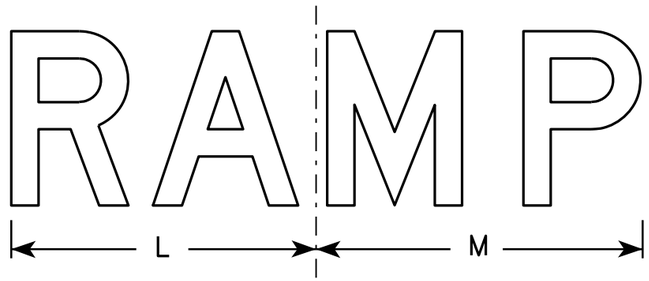
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 158	E



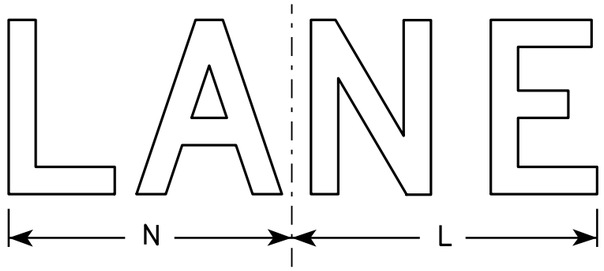
R11-2

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

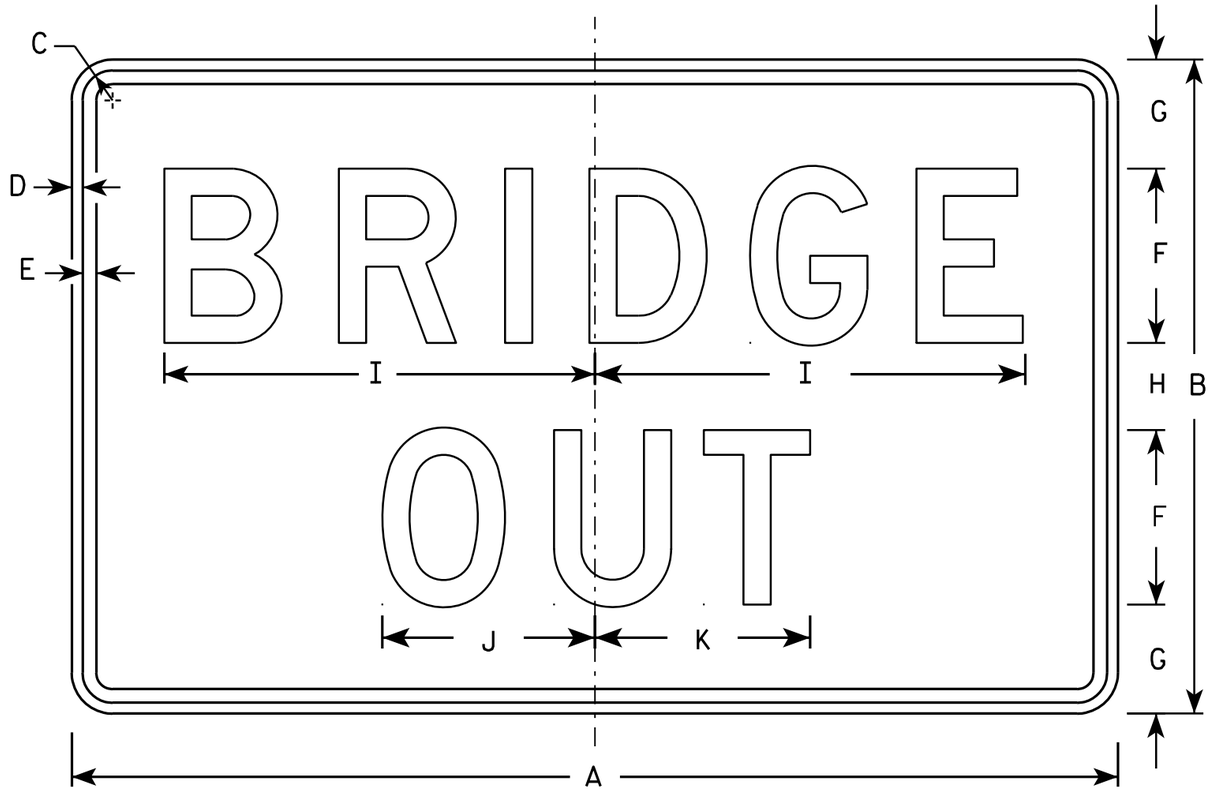
STANDARD SIGN
R11-2

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: 159 | E



R11-2B

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	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0

STANDARD SIGN
R11-2B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2B.2

PROJECT NO:

SHEET NO: 160 E

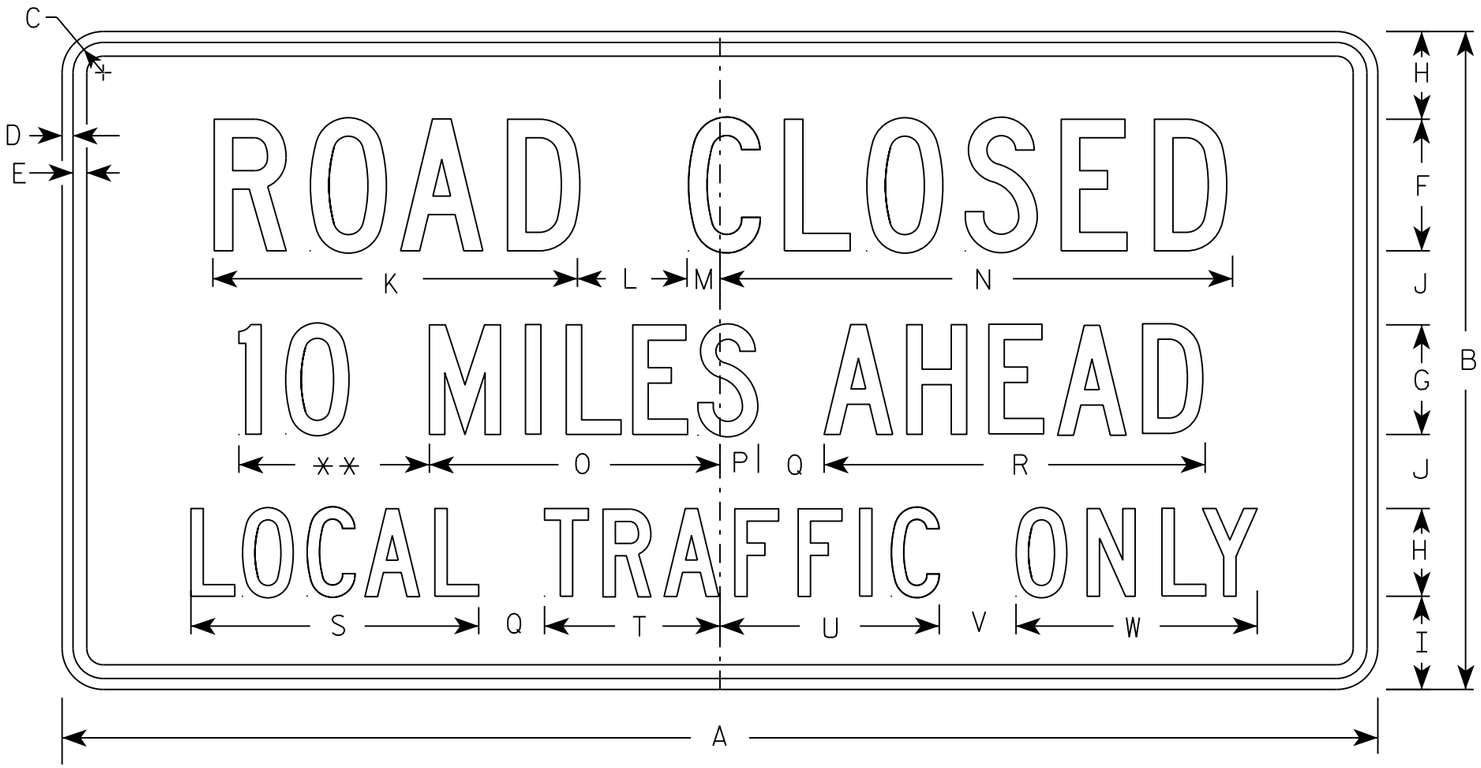
7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112B.DGN PLOT DATE : 01-APR-2011 14:23 PLOT BY : mscj9h

WISDOT/CADDS SHEET 42

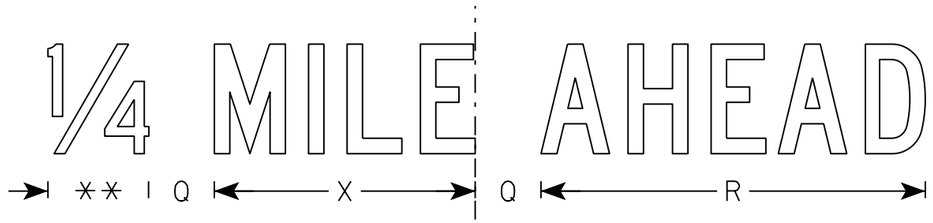
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** See Note 5



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 3/8	1/2	5/8	4	3	2 1/2	2	2	11 1/8	3	1 1/8	15 1/4	8	1 1/2	2	10 3/4	8 3/8	4 3/4	6 1/2	2	6 3/4	7 1/8			4.5
2S	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
3																											
4																											
5																											

STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

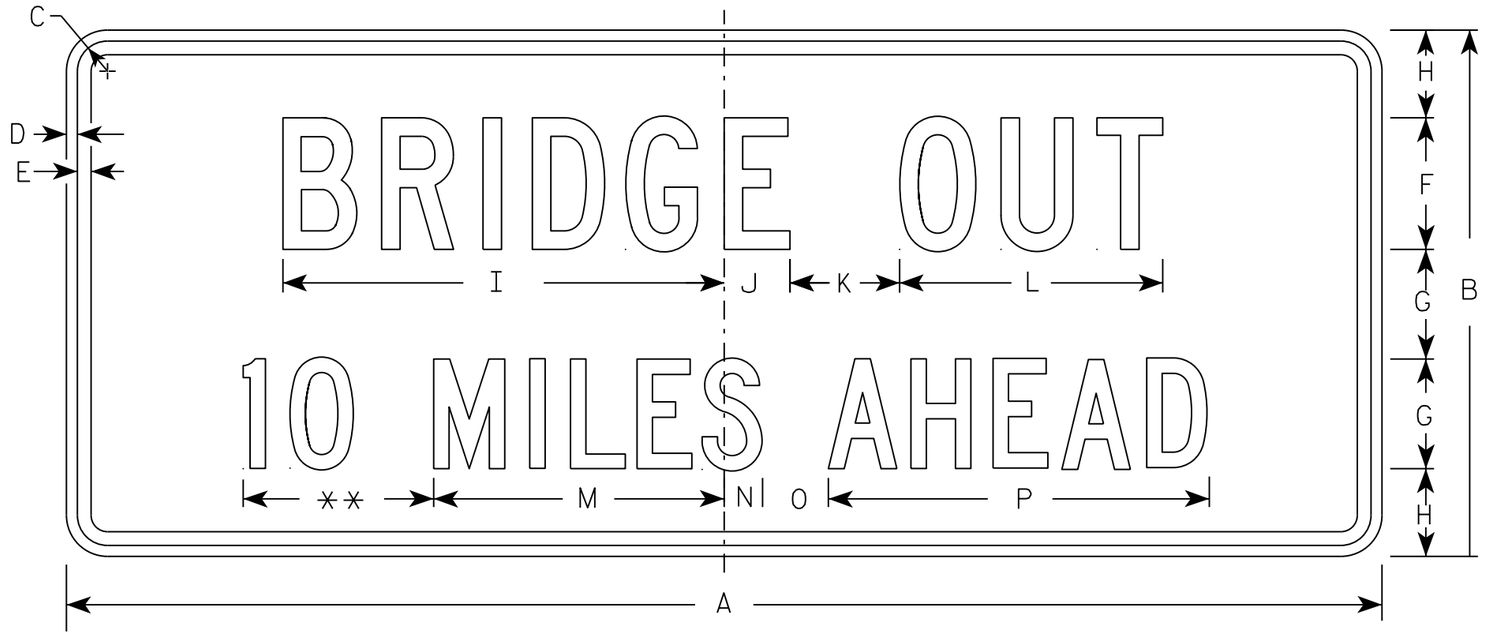
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/17 PLATE NO. R11-3.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 161 | E

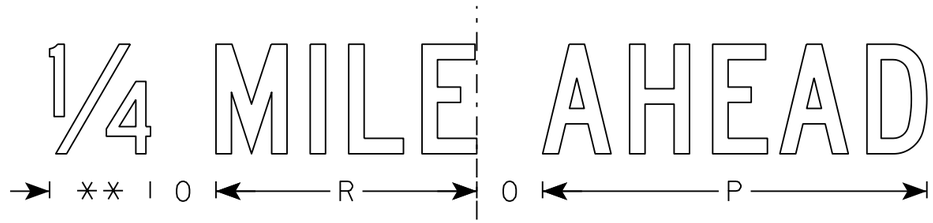
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3C

** See Note 5



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	15	1 3/8	1/2	5/8	4	3	2 1/2	13 1/4	2 1/4	3	8	8	1 1/2	2	10 3/4		7 1/8									3.75
2S	60	24	1 3/8	1/2	5/8	6	5	4	20 1/8	3	5	12	13 1/4	1 3/4	3	17 3/8		11 7/8									10.0
2M	60	24	1 3/8	1/2	5/8	6	5	4	20 1/8	3	5	12	13 1/4	1 3/4	3	17 3/8		11 7/8									10.0
3																											
4																											
5																											

STANDARD SIGN
R11-3C

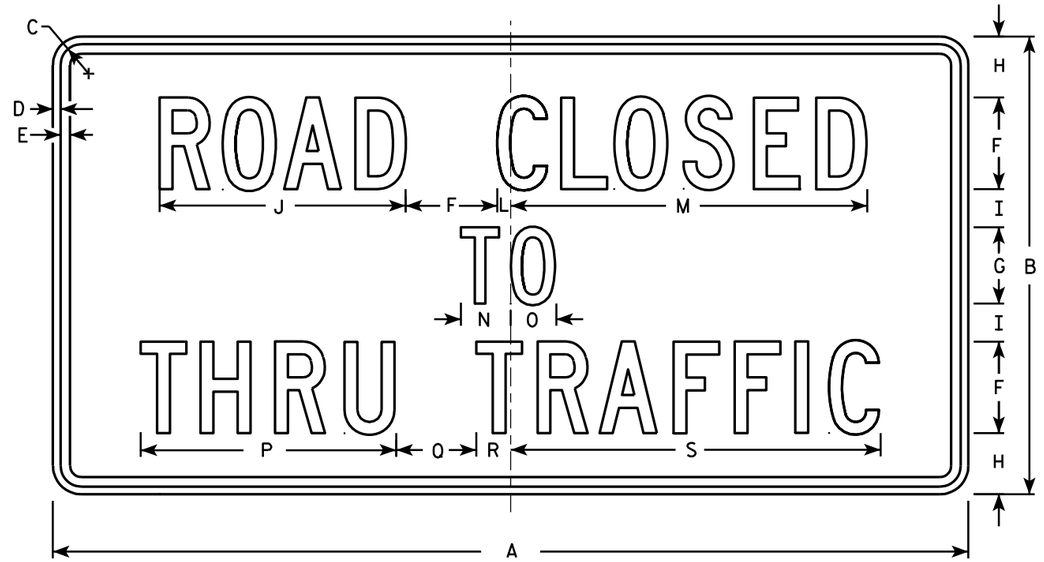
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/28/16 PLATE NO. R11-3C.3

PROJECT NO:

SHEET NO: 162 E



R11-4

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

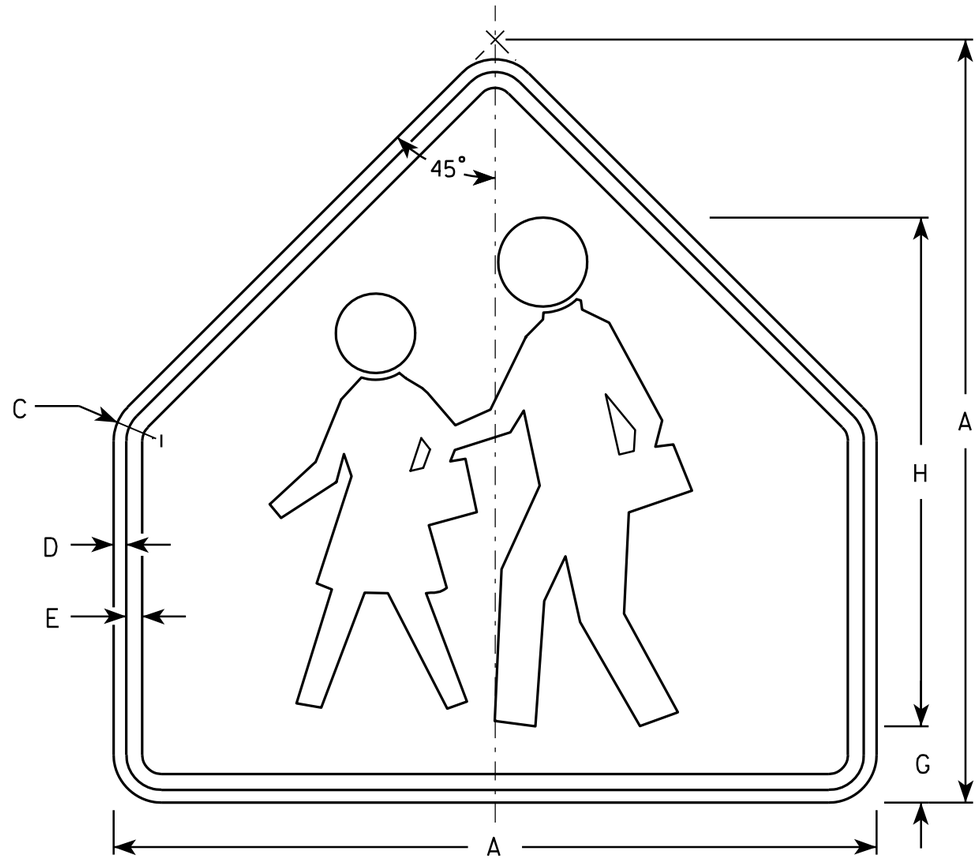
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 163 | E



S1-1

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		3	20																			4.69
2	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
3	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
4	48		2 1/4	3/4	1		4 3/4	32																			12
5																											

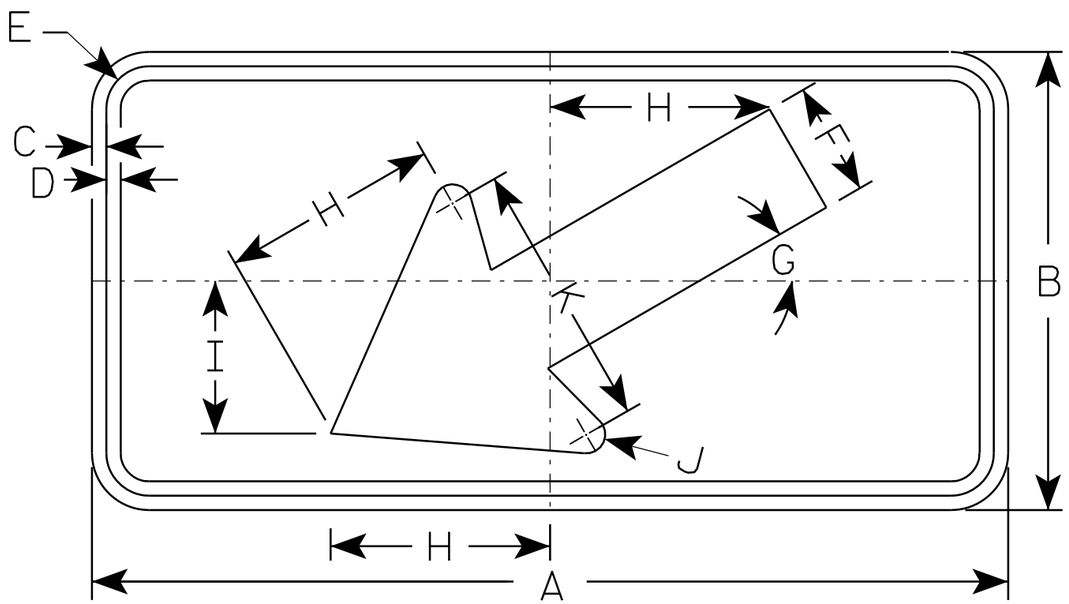
STANDARD SIGN
S1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/05 PLATE NO. S1-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 164	E



S16-7L

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow-Green
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. S16-7R are the same as S16-7L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	3/8	3/8	1 1/8	3	30°	5 3/4	4	1/2	7																2.0
2S	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
2M	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
3	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4	48	24	1/2	5/8	1 3/8	6	30°	11 1/2	8	1	14																8.0
5																											

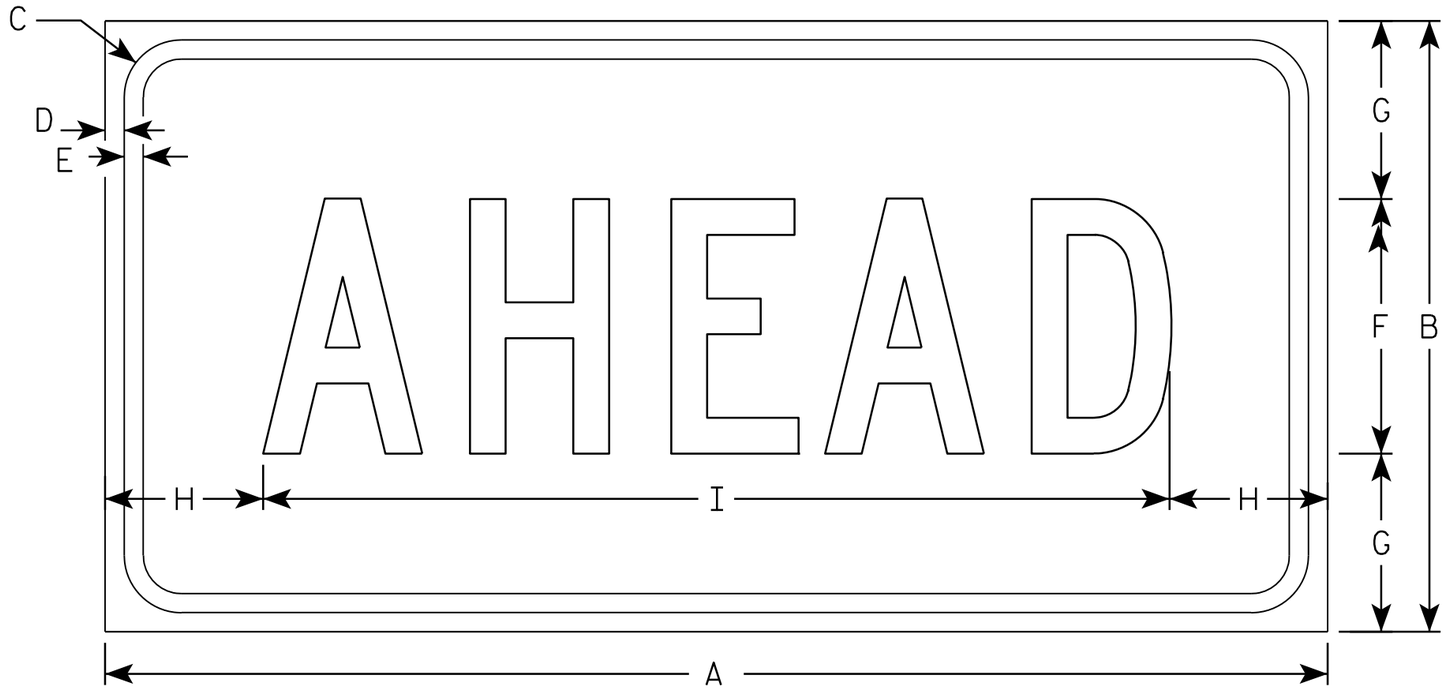
STANDARD SIGN
S16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/22/13 PLATE NO. S16-7.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 165 | E



S16-9P

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2S	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

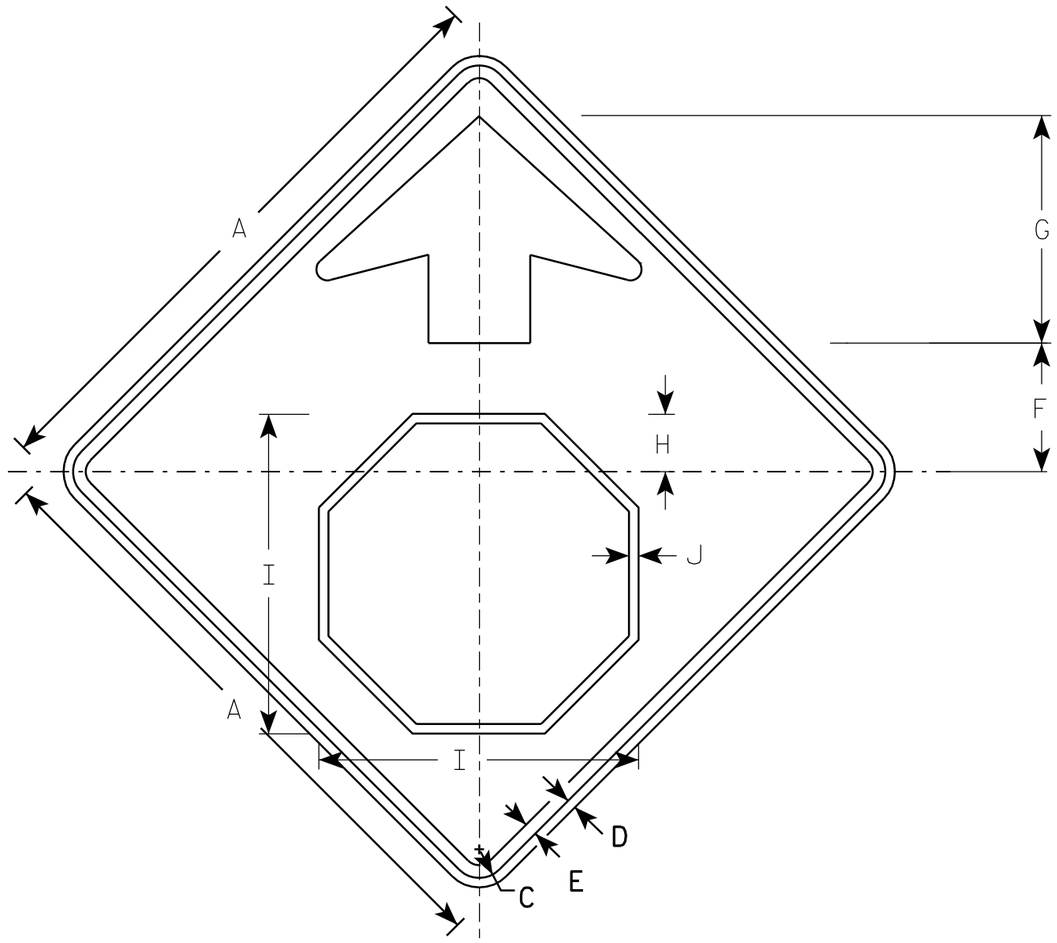
STANDARD SIGN
S16-9P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/22/13 PLATE NO. S16-9P.1

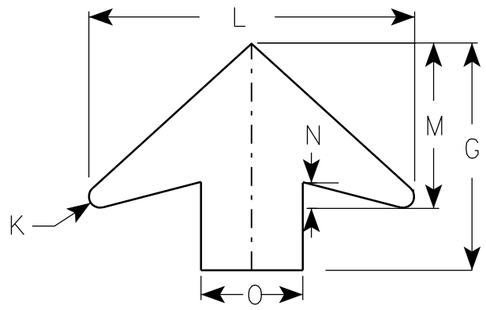
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 166 | E



W3-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   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	30		1 3/8	1/2	5/8	6 1/4	11 1/4	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	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
2M	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
3	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
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
W3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

PROJECT NO:

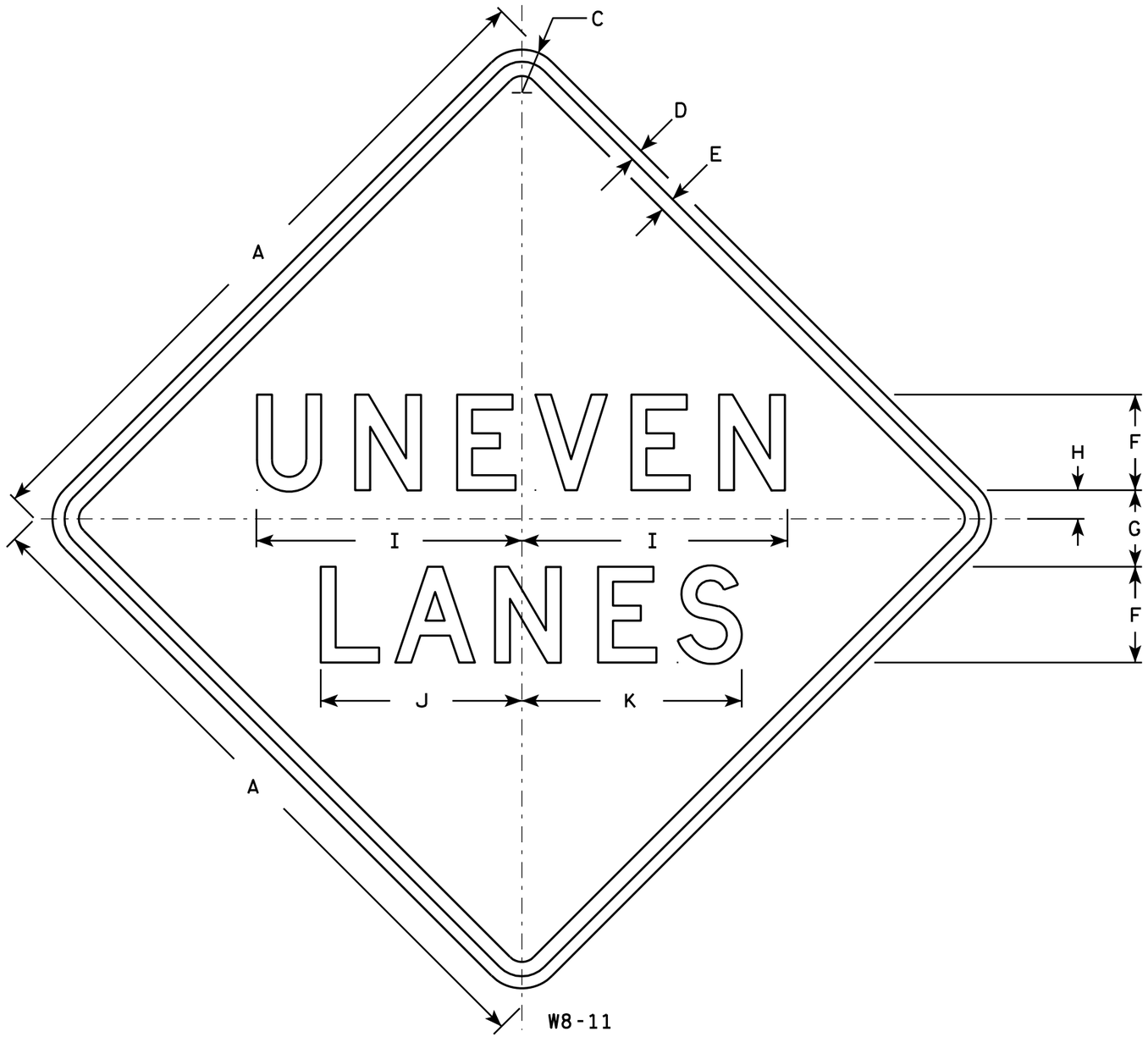
SHEET NO: 167 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W31.DGN PLOT DATE : 07-JUN-2010 12:59 PLOT BY : ditjph

WISDOT/CADDS SHEET 42

7

7



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																											
2S	36		1 5/8	5/8	3/4	5	4	1 1/2	13 7/8	10 1/2	11 1/2																9.0
2M	36		1 5/8	5/8	3/4	5	4	1 1/2	13 7/8	10 1/2	11 1/2																9.0
3																											
4	36		1 5/8	5/8	3/4	5	4	1 1/2	13 7/8	10 1/2	11 1/2																9.0
5	48		2 1/4	3/4	1	7	5	2	18 1/2	14	15 3/8																16.0

STANDARD SIGN
W8-11

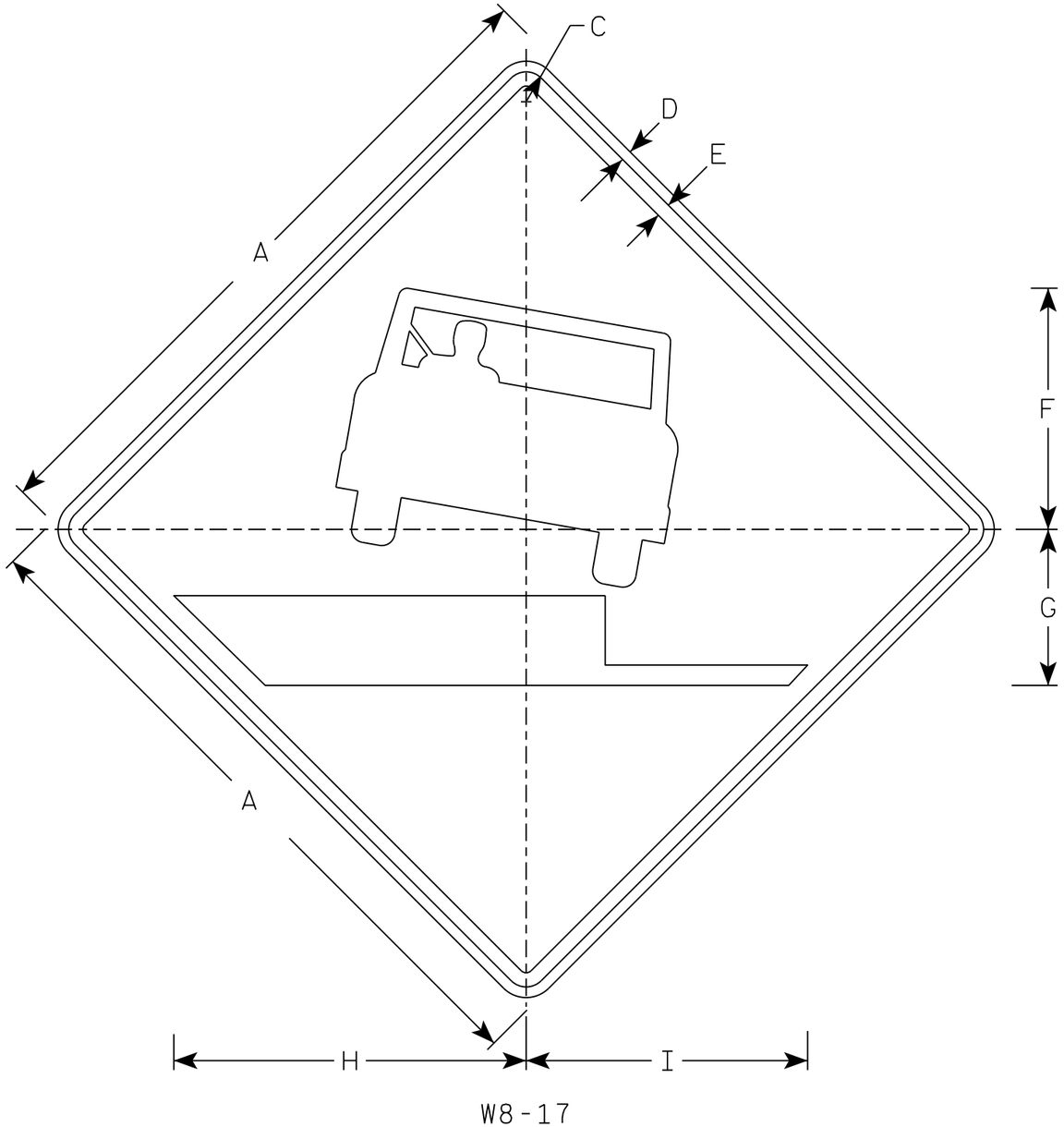
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/22/11 PLATE NO. W8-11.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 168 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W811.DGN PLOT DATE : 22-MAR-2011 14:12 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.703924:1.000000
WISDOT/CADDS SHEET 42



W8-17

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48		2 1/4	3/4	1	17	11	24 7/8	19 7/8																		16.0
2M	48		2 1/4	3/4	1	17	11	24 7/8	19 7/8																		16.0
3	48		2 1/4	3/4	1	17	11	24 7/8	19 7/8																		16.0
4	48		2 1/4	3/4	1	17	11	24 7/8	19 7/8																		16.0
5	48		2 1/4	3/4	1	17	11	24 7/8	19 7/8																		16.0

STANDARD SIGN
W8-17

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/10/17 PLATE NO. W8-17.1

PROJECT NO:

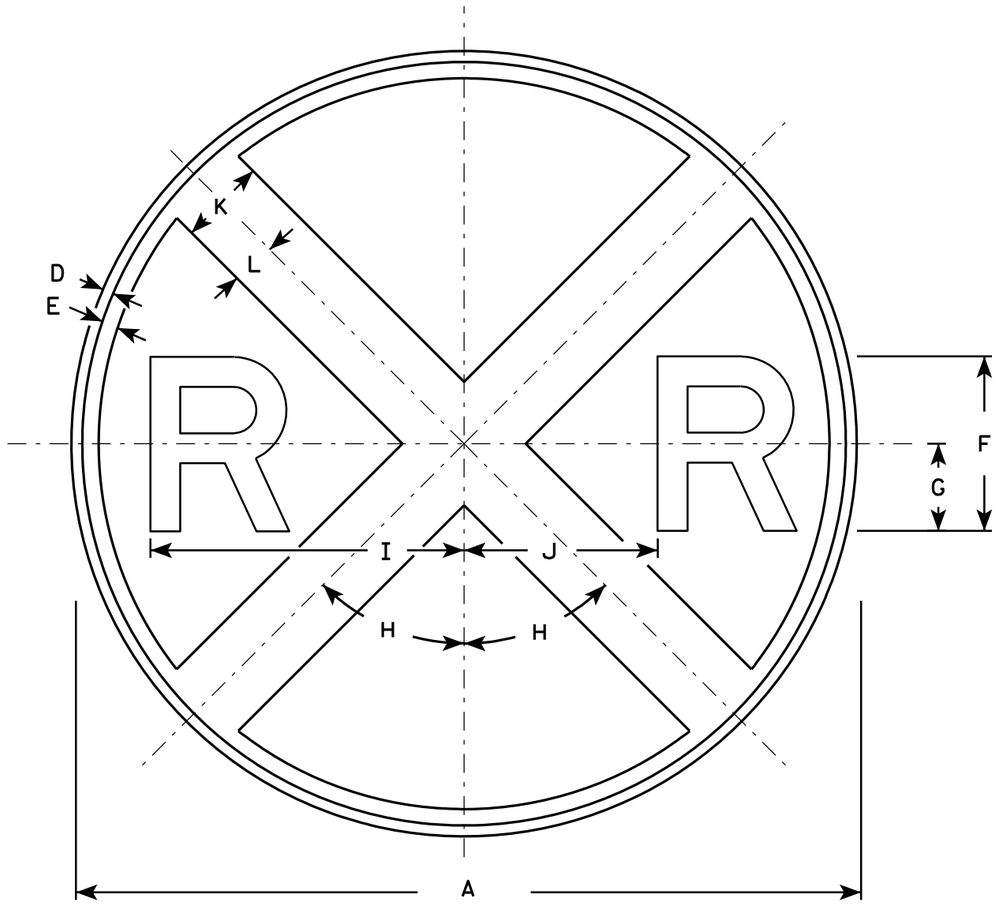
SHEET NO: 169 E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W817.DGN PLOT DATE : 10-OCT-2017 14:20 PLOT BY : $$...plotuser...$$

WISDOT/CADDS SHEET 42

7

7



W10-1

NOTES

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

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			3/8	5/8	7	3 1/2	45°	12 3/8	7 1/8	3	1 1/2															4.91
2S	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
2M	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
3																											
4	48			3/4	1 1/4	10	5	45°	18 3/8	11 5/8	5	2 1/2															12.57
5																											

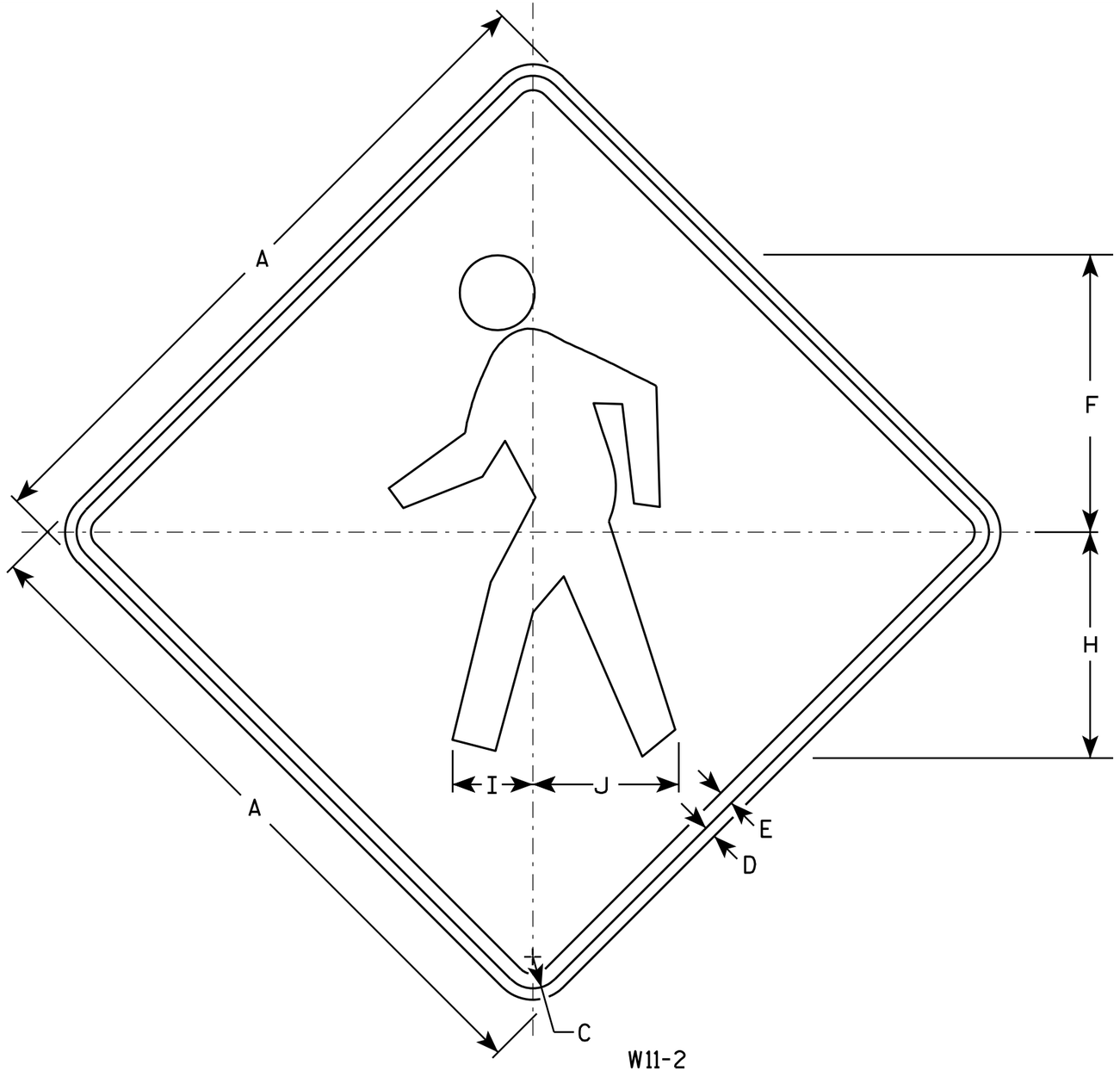
STANDARD SIGN
W10-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/13/13 PLATE NO. W10-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 170	E



W11-2

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 3/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

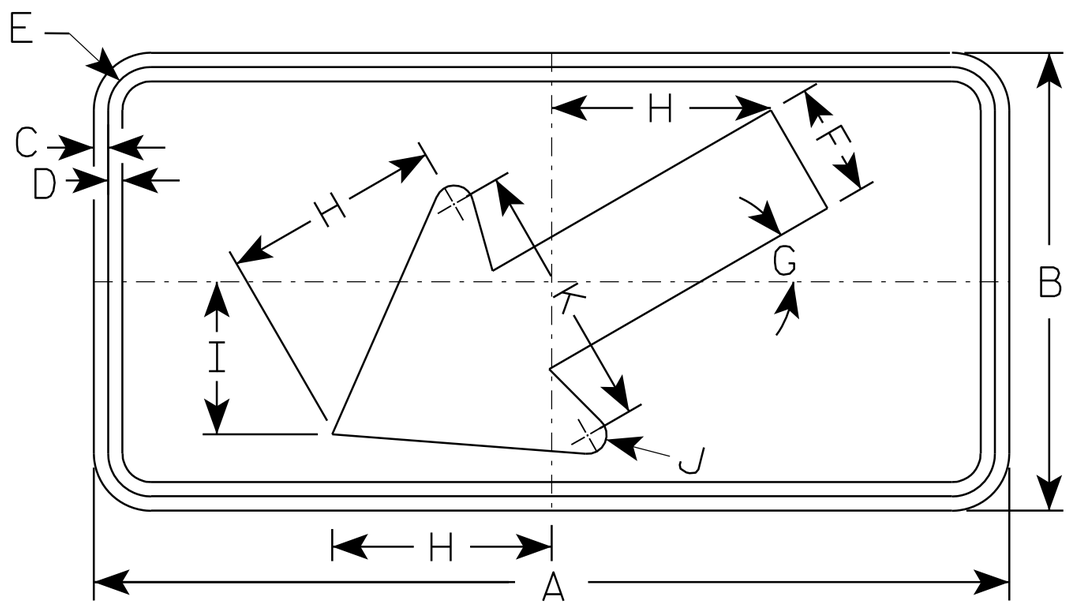
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W11-2.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 171 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W112.DGN PLOT DATE : 07-JUN-2010 13:29 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 5.700818:1.000000
WISDOT/CADDS SHEET 42



W16-7L

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W16-7R is the same as W16-L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	3/8	3/8	1 1/8	3	30°	5 3/4	4	1/2	7																2.0
2M	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
3	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4																											8
5																											8

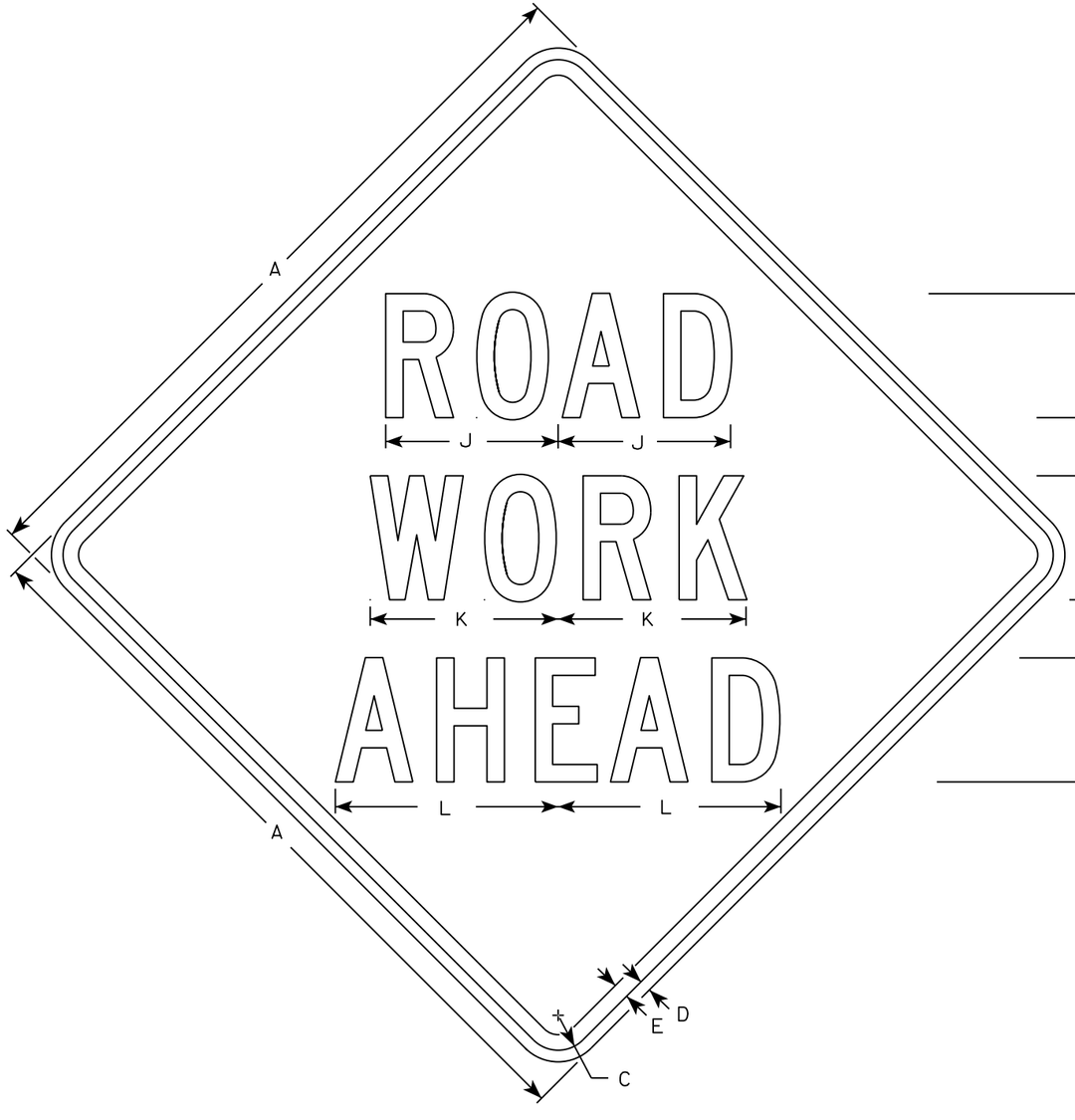
STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

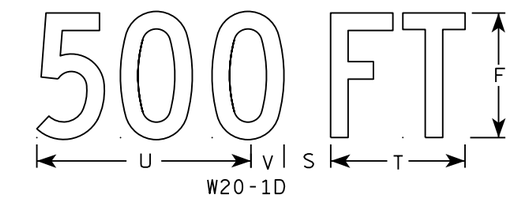
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/02/10 PLATE NO. W16-7.5

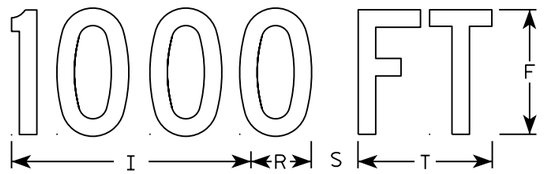
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 172	E



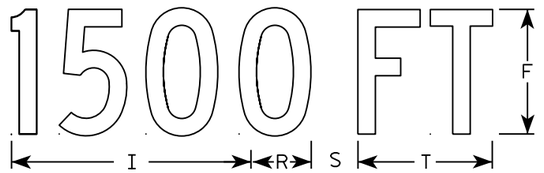
W20-1A



W20-1D

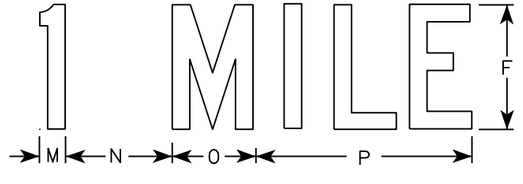


W20-1C

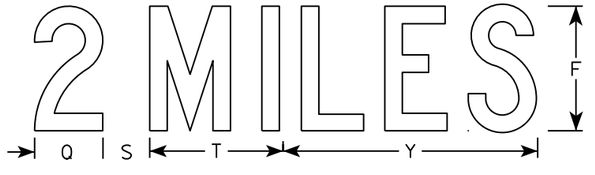


W20-1B

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

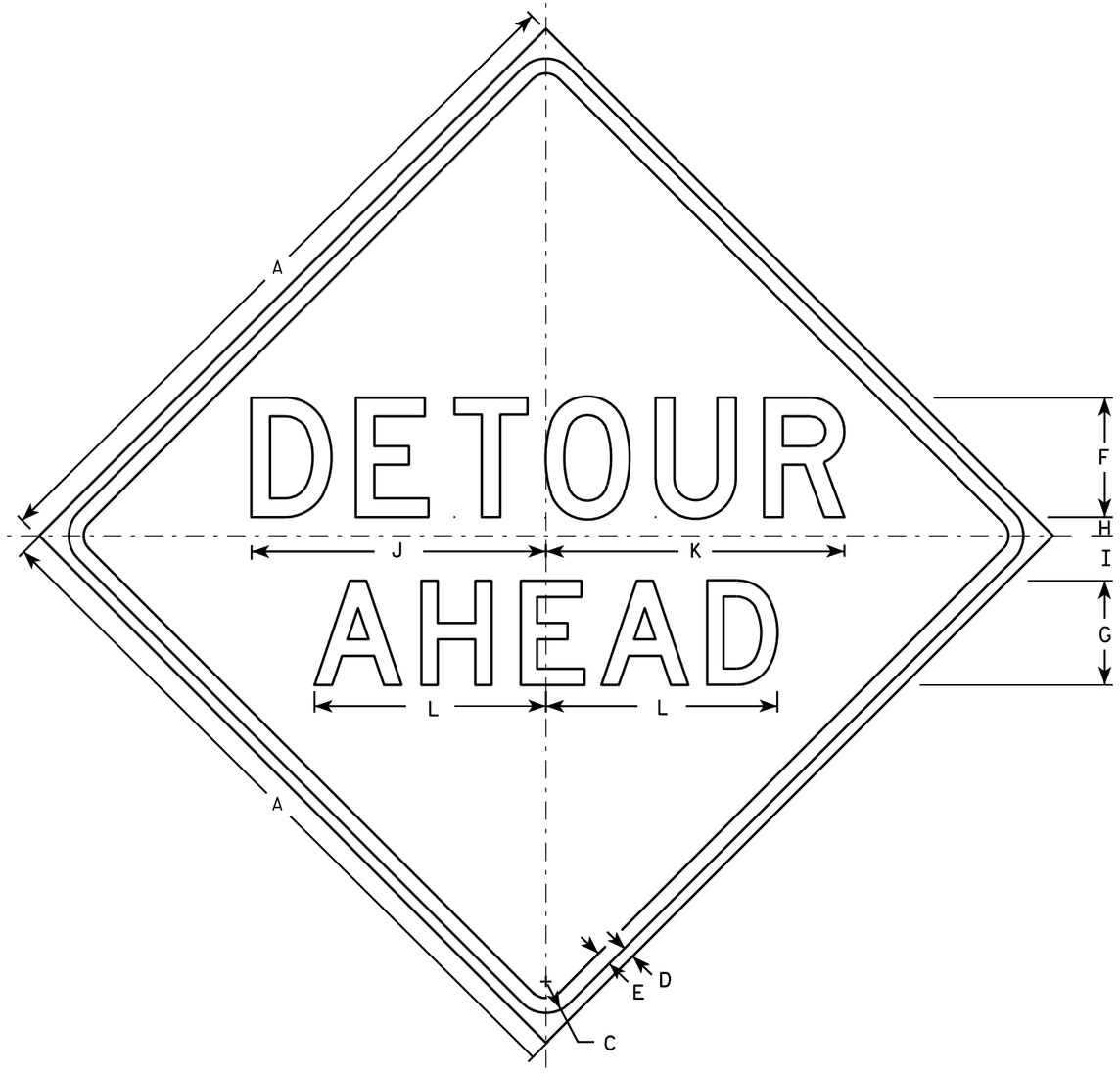
APPROVED Matthew R Rauch
For State Traffic Engineer

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

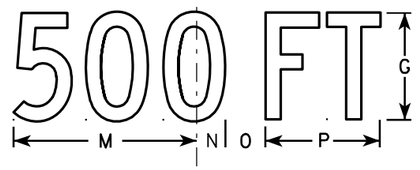
PROJECT NO:

SHEET NO: E

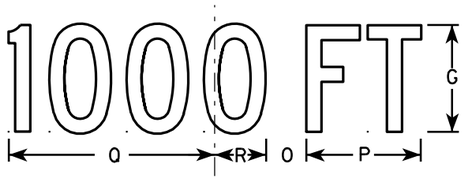
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 01-DEC-2015 18:24 PLOT BY : $$ plotuser $$



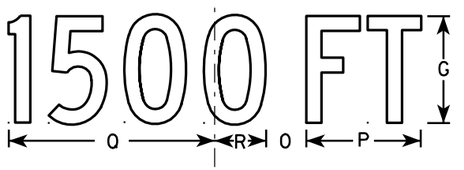
W20-2A



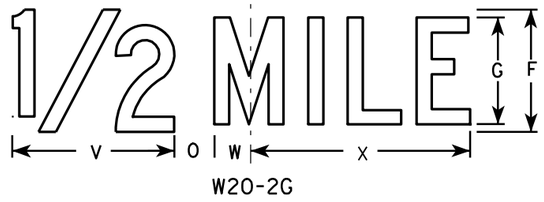
W20-2D



W20-2C



W20-2B



W20-2G

W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

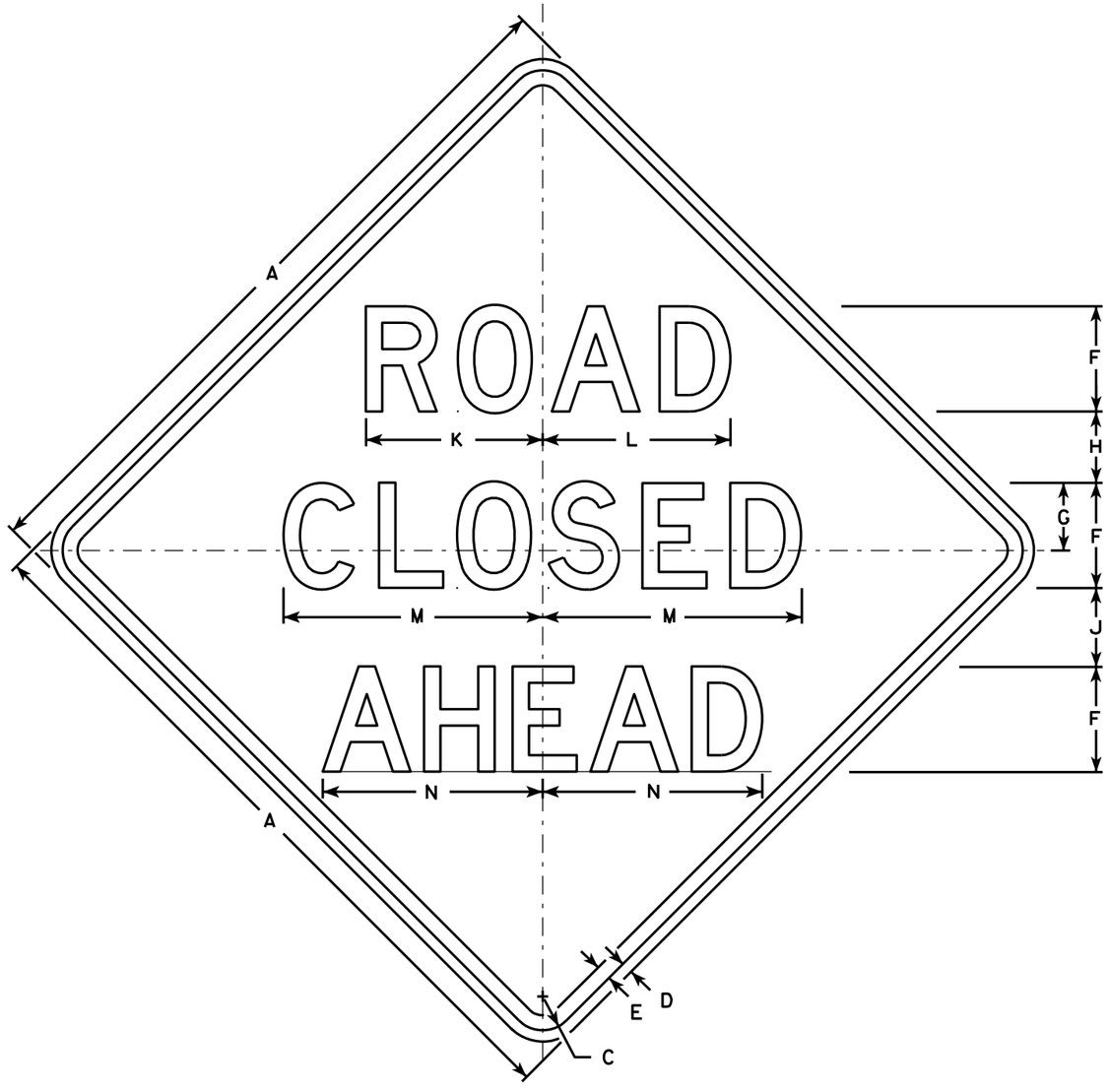
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

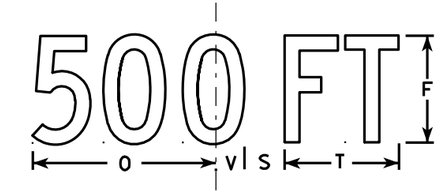
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 174 | E

7

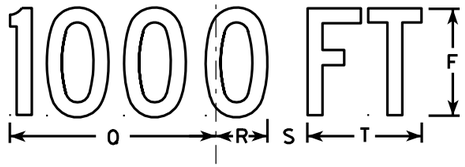
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W202.DGN PLOT DATE : 18-MAR-2011 10:00 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42



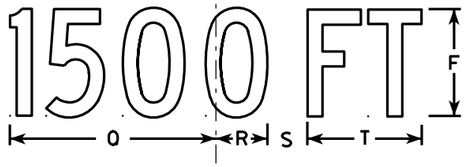
W20-3A



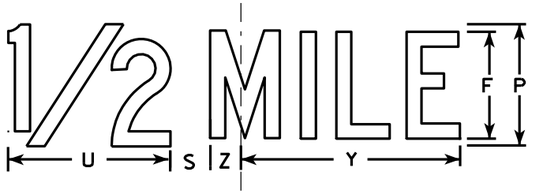
W20-3D



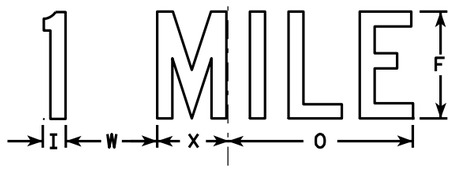
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

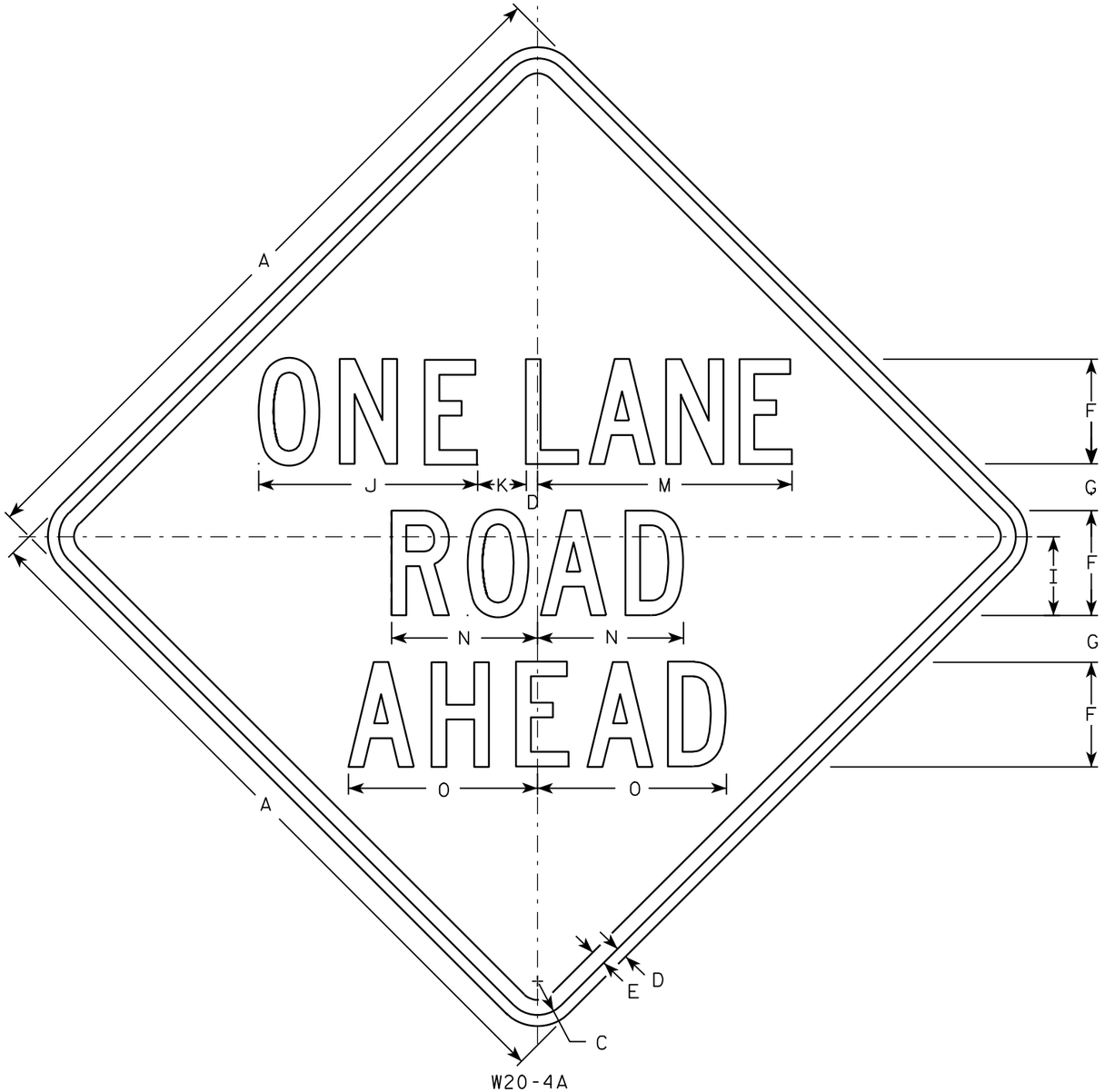
STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

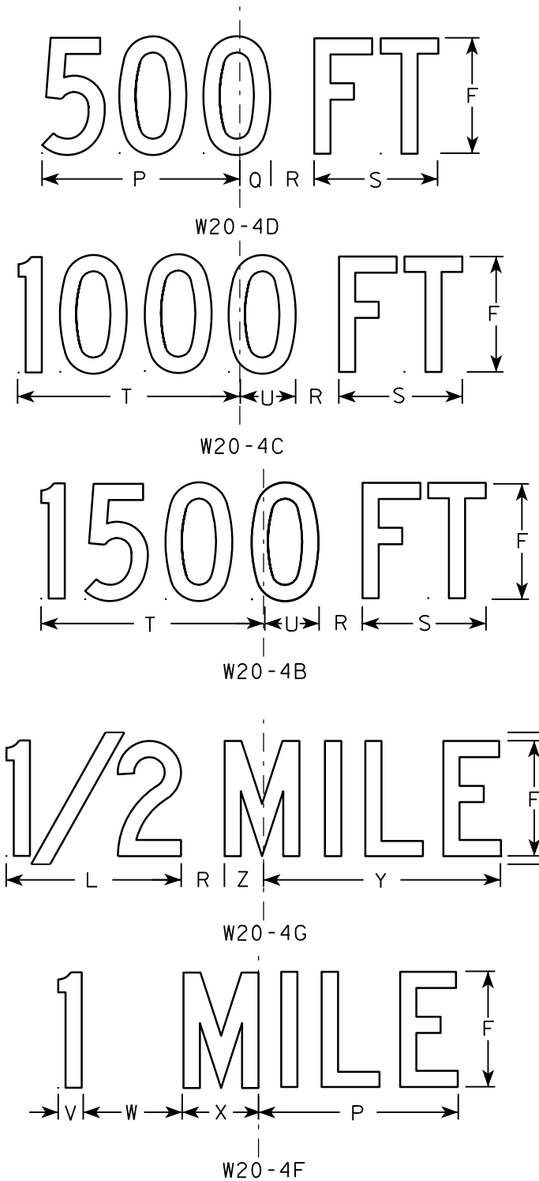
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 175 | E



W20-4A



W20-4D

W20-4C

W20-4B

W20-4G

W20-4F

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 3/8	6	3 3/4	10 3/8	2 3/8	8	13 1/2	7	8 7/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-4A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-4.9

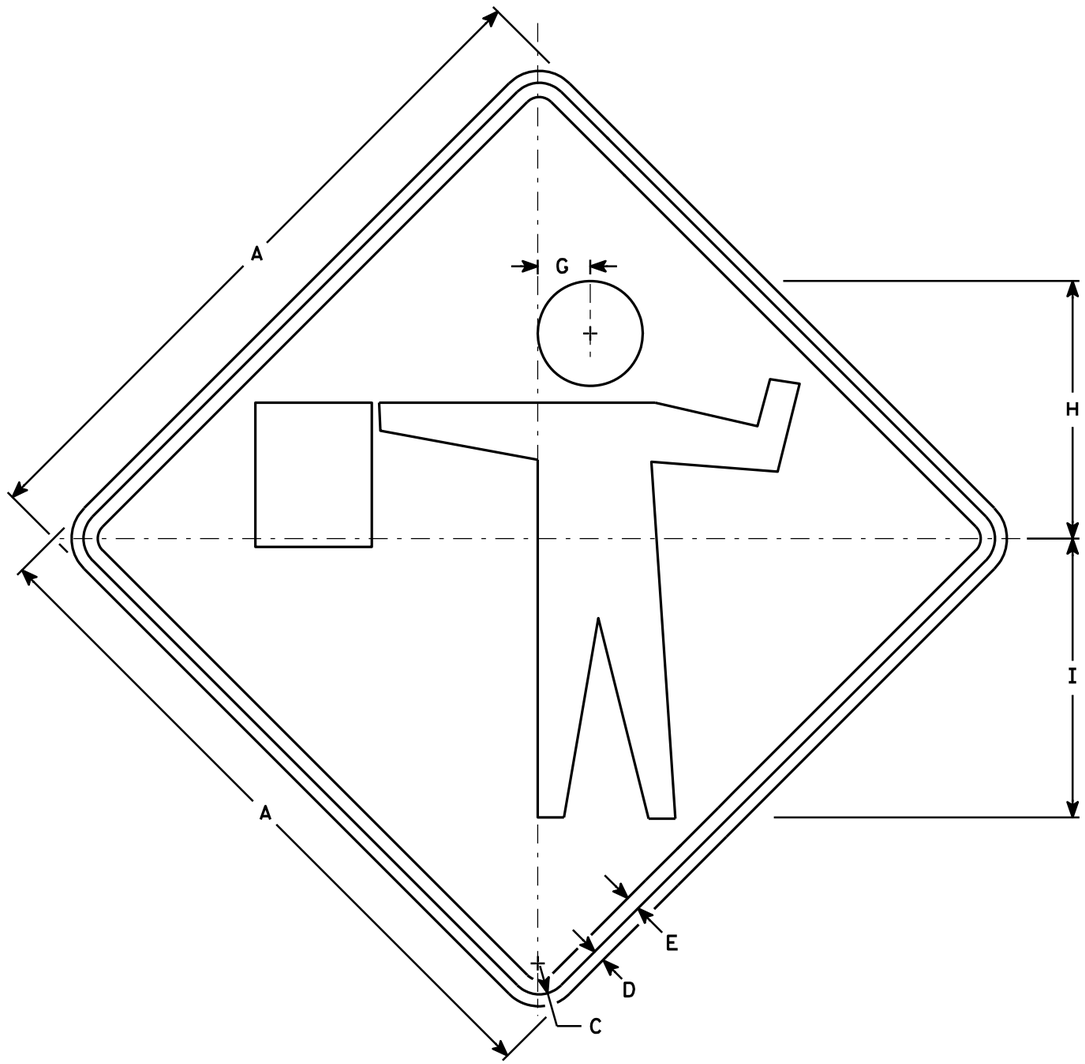
PROJECT NO:

SHEET NO: 176 E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W204.DGN PLOT DATE : 18-MAR-2011 12:11 PLOT BY : mscj9h

WISDOT/CADDS SHEET 42



W20-7A

NOTES

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

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

STANDARD SIGN
W20-7A

WISCONSIN DEPT OF TRANSPORTATION

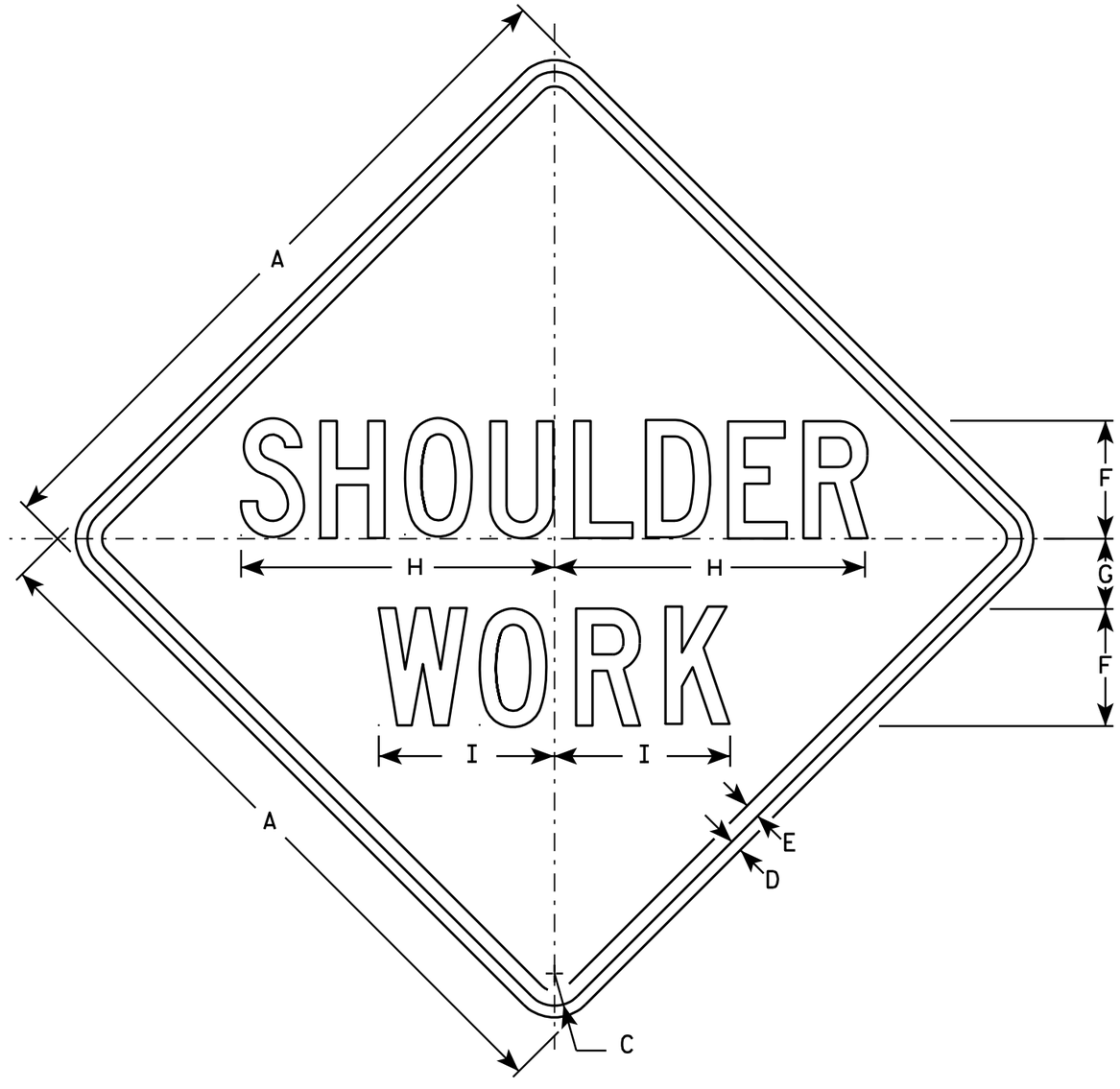
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 177 | 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



W21-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
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		1 1/8	3/8	1/2	4	2 1/2	10 3/4	6																		4.0
2S	30		1 3/8	1/2	5/8	5	3	13 3/8	7 1/2																		6.25
2M	30		1 3/8	1/2	5/8	5	3	13 3/8	7 1/2																		6.25
3	36		1 5/8	5/8	3/4	6	3 1/2	16	9																		9.0
4	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
5	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0

STANDARD SIGN
W21-5

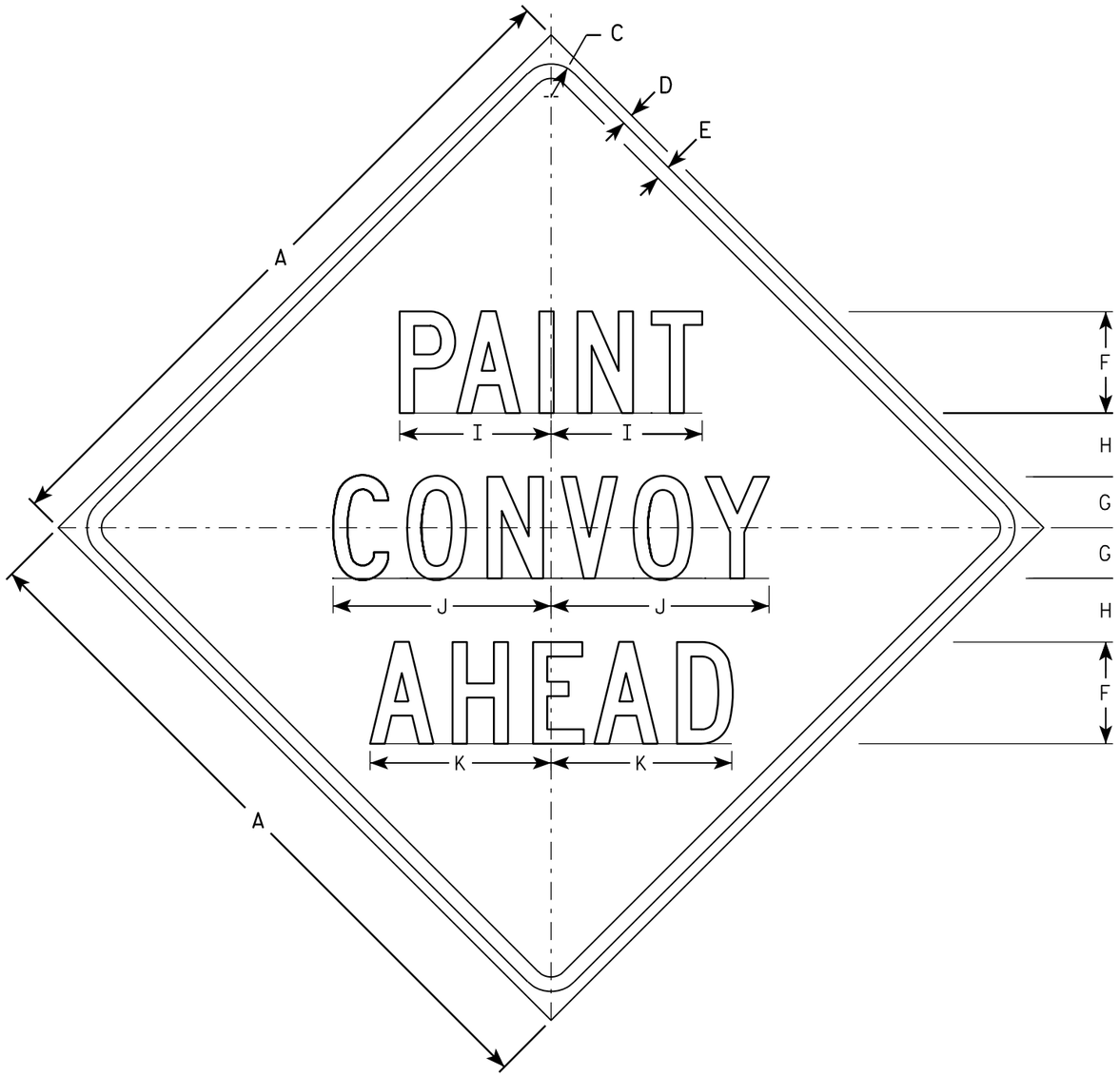
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-5.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 178 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W215.DGN PLOT DATE : 21-MAR-2011 08:01 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.207338:1.000000
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 - 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.

W21-63

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		2 1/4	3/4	1	7	3 1/2	4 1/2	10 3/8	15	12 1/2																16.0
2M	48		2 1/4	3/4	1	7	3 1/2	4 1/2	10 3/8	15	12 1/2																16.0
3	48		2 1/4	3/4	1	7	3 1/2	4 1/2	10 3/8	15	12 1/2																16.0
4	48		2 1/4	3/4	1	7	3 1/2	4 1/2	10 3/8	15	12 1/2																16.0
5	48		2 1/4	3/4	1	7	3 1/2	4 1/2	10 3/8	15	12 1/2																16.0

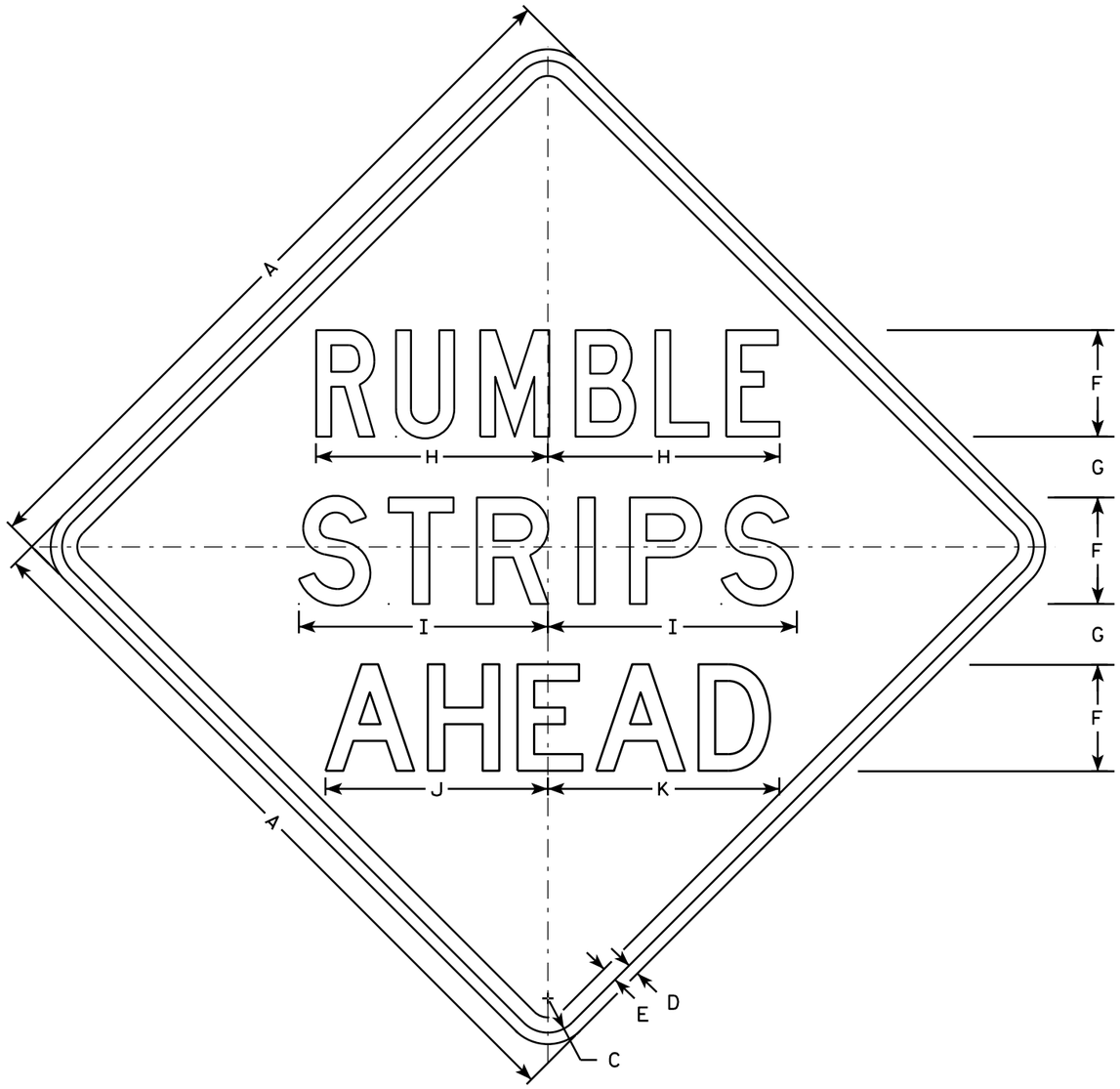
STANDARD SIGN
W21-63

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-63.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 179 | E



W21-65

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series C
   Lines 2 and 3 are Series D

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

STANDARD SIGN

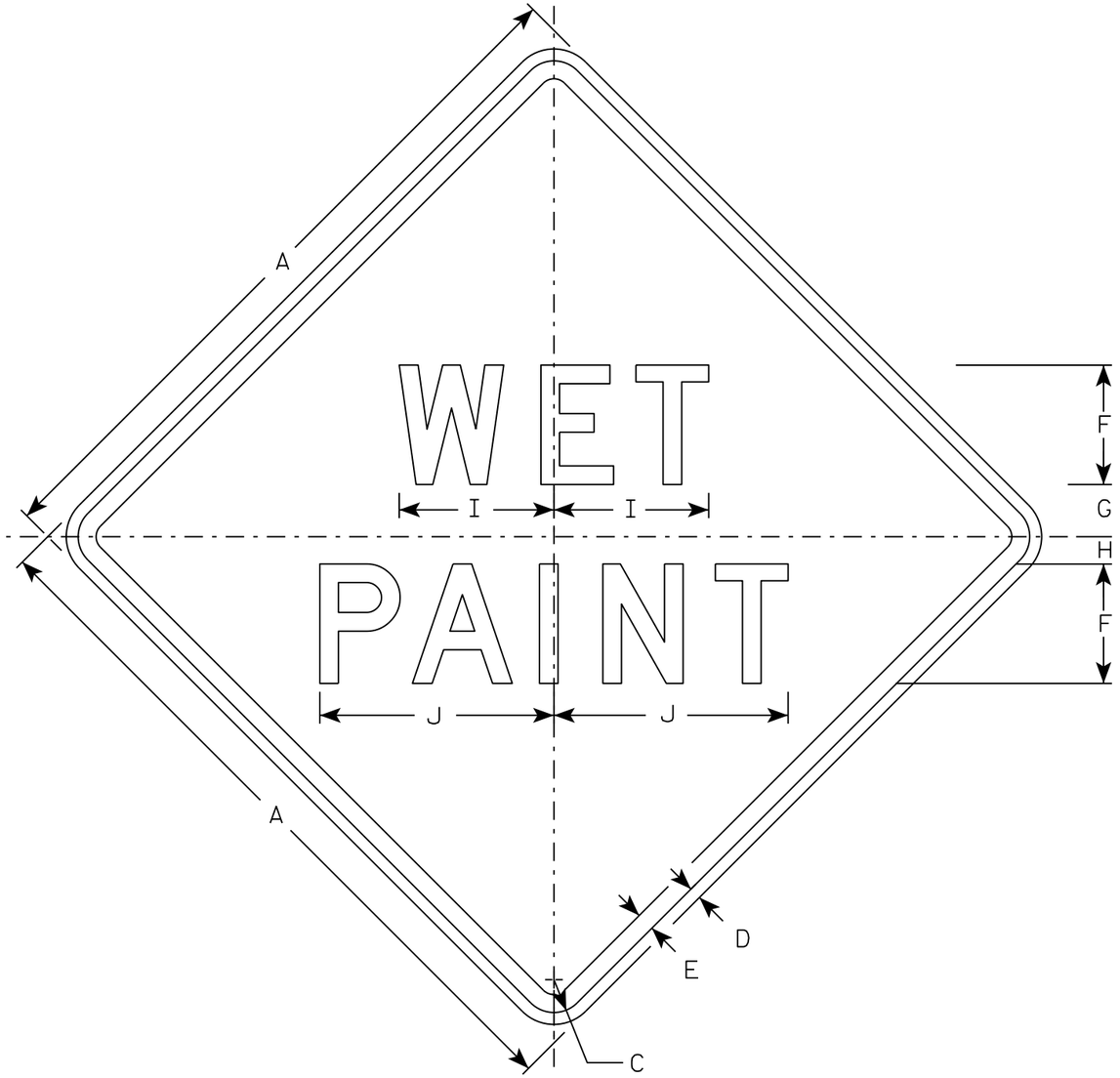
W21-65

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/28/14 PLATE 180 W21-65.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W21-66

NOTES

1. Sign is Type II - Type F Reflective
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 5/8	1 3/8	7 3/4	11 3/4																	9.0
2S	48		2 1/4	3/4	1	8	3	3	10 3/8	15 3/4																	16.0
2M	48		2 1/4	3/4	1	8	3	3	10 3/8	15 3/4																	16.0
3	48		2 1/4	3/4	1	8	3	3	10 3/8	15 3/4																	16.0
4	48		2 1/4	3/4	1	8	3	3	10 3/8	15 3/4																	16.0
5	48		2 1/4	3/4	1	8	3	3	10 3/8	15 3/4																	16.0

STANDARD SIGN
W21-66

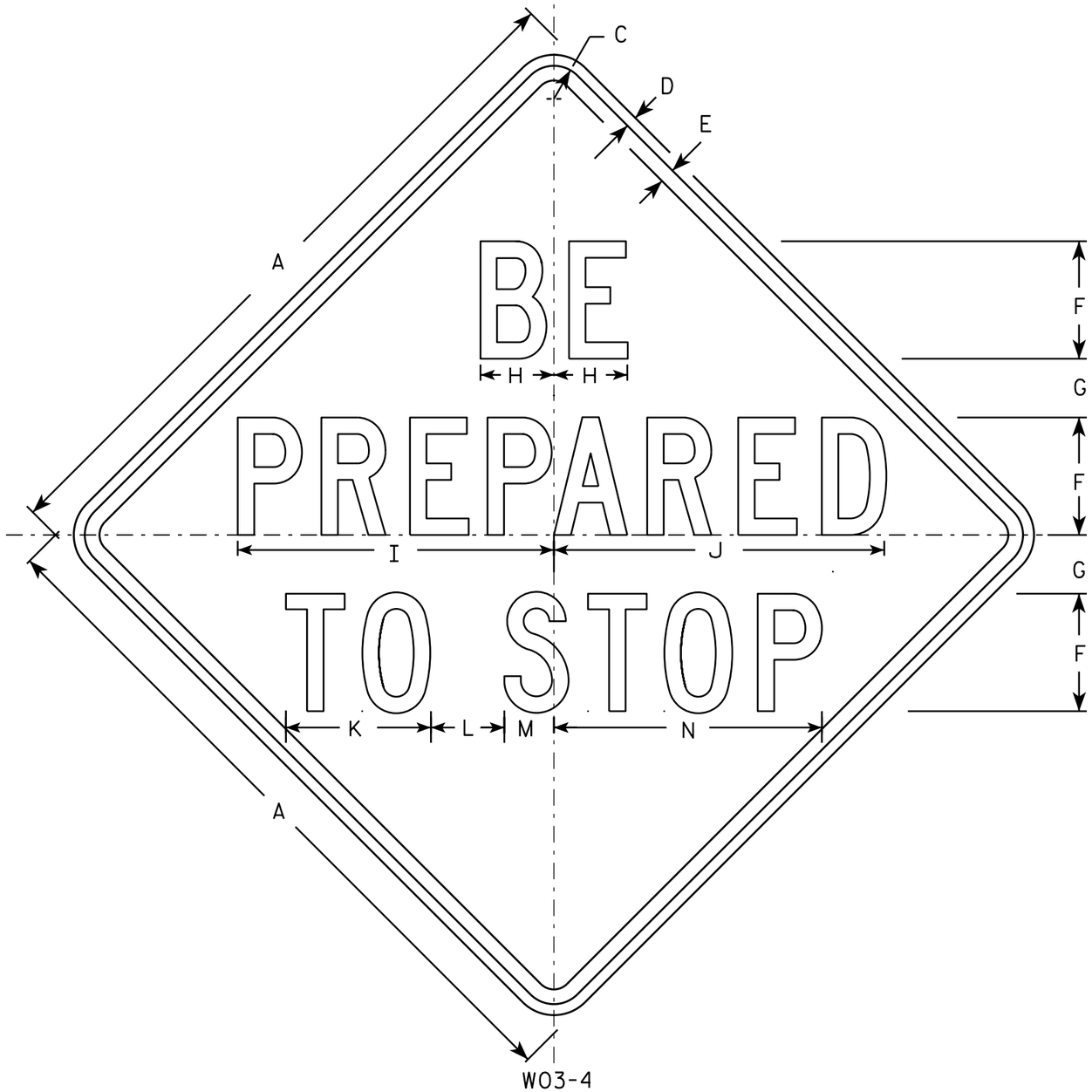
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/19/18 PLATE NO. W21-66.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 181 E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W2166.DGN PLOT DATE : 19-MAR-2018 14:55 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 7.437779:1.000000 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 - 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	6	2 1/2	3 3/4	15 7/8	16 7/8	7 3/8	4	2 3/8	13 3/4													9.0
2S	48		2 1/4	3/4	1	8	4	5	21 1/2	22 1/2	9 7/8	5	3 3/8	18 1/4													16.0
2M	48		2 1/4	3/4	1	8	4	5	21 1/2	22 1/2	9 7/8	5	3 3/8	18 1/4													16.0
3	48		2 1/4	3/4	1	8	4	5	21 1/2	22 1/2	9 7/8	5	3 3/8	18 1/4													16.0
4	48		2 1/4	3/4	1	8	4	5	21 1/2	22 1/2	9 7/8	5	3 3/8	18 1/4													16.0
5	48		2 1/4	3/4	1	8	4	5	21 1/2	22 1/2	9 7/8	5	3 3/8	18 1/4													16.0

STANDARD SIGN
W03-4

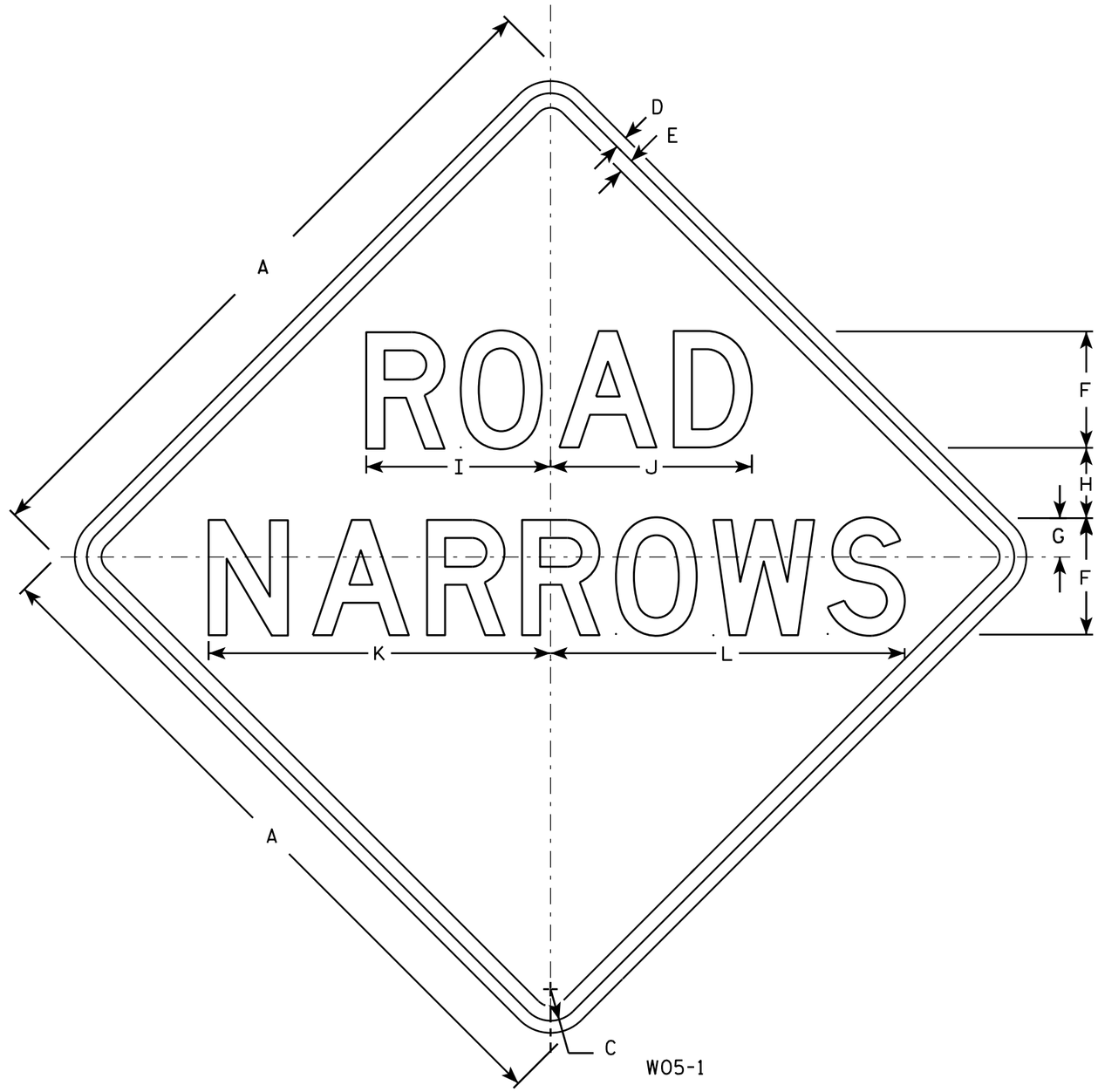
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/02/13 PLATE NO. W03-4.1

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

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W034.DGN PLOT DATE : 02-DEC-2013 14:02 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 8.999518:1.000000
WISDOT/CADDS SHEET 42



W05-1

NOTES

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

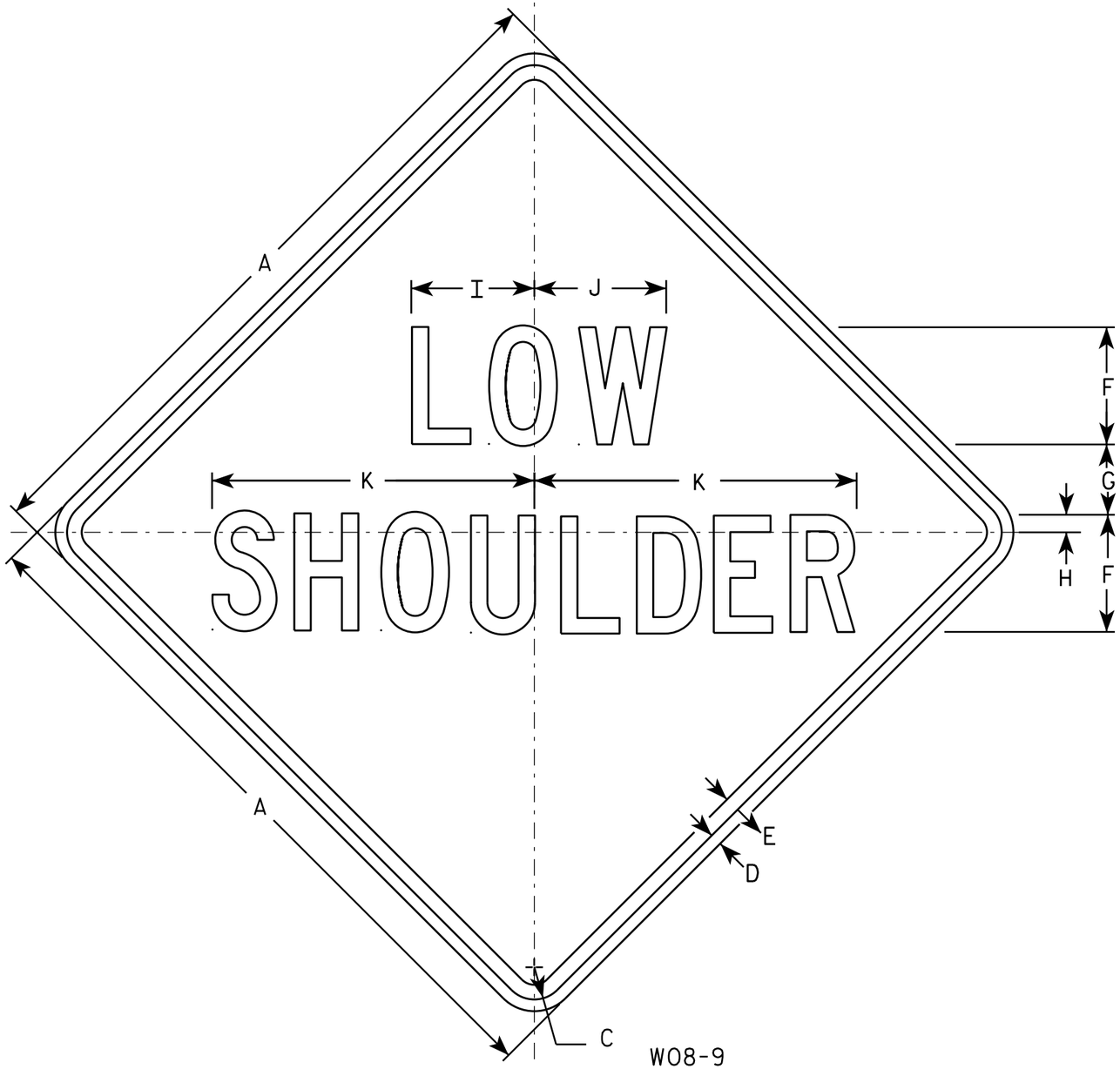
STANDARD SIGN
W05-1

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



W08-9

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	3 1/2	1	6 1/4	6 3/4	16 1/2																9.0
2S	48		2 1/4	3/4	1	8	5	1 1/4	8 1/4	9	21 7/8																16.0
2M	48		2 1/4	3/4	1	8	5	1 1/4	8 1/4	9	21 7/8																16.0
3	48		2 1/4	3/4	1	8	5	1 1/4	8 1/4	9	21 7/8																16.0
4	48		2 1/4	3/4	1	8	5	1 1/4	8 1/4	9	21 7/8																16.0
5	48		2 1/4	3/4	1	8	5	1 1/4	8 1/4	9	21 7/8																16.0

STANDARD SIGN
W08-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE W08-9.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W089.DGN PLOT DATE : 20-NOV-2013 14:06 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.755110:1.000000
WISDOT/CADDS SHEET 42

MILWAUKEE STREET		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)			
STATION	DISTANCE	CUT	UNUSABLE PAVEMENT MATERIAL	FILL	EBS (5% OF CUT)	CUT NOTE 1	UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS (5% OF CUT)
95+25	---	72	29	2.1	3.6	---	---	---	---
95+50	25	67	29	0.4	3.3	64	27	1	3
96+00	50	91	29	0.0	4.5	146	54	0	7
96+10	10	92	29	0.0	4.6	34	11	0	2
96+50	40	125	29	0.1	6.3	161	43	0	8
97+00	50	137	29	0.0	6.9	243	54	0	12
97+50	50	138	29	0.0	6.9	255	54	0	13
97+63	13	138	29	0.0	6.9	66	14	0	3
98+00	37	122	29	0.0	6.1	178	40	0	9
98+50	50	130	29	0.0	6.5	234	54	0	12
98+53	3	129	29	0.0	6.4	14	3	0	1
98+78	25	129	29	0.1	6.4	119	27	0	6
99+00	22	97	29	0.0	4.9	92	24	0	5
99+50	50	84	29	0.1	4.2	168	54	0	8
100+00	50	53	29	0.0	2.6	127	54	0	6
100+50	50	97	29	0.0	4.8	139	54	0	7
101+00	50	102	29	0.9	5.1	184	54	1	9
101+30	30	90	29	0.1	4.5	107	33	1	5
101+50	20	85	29	1.1	4.3	65	22	0	3
102+00	50	73	29	1.5	3.7	147	54	2	7
102+50	50	85	29	2.0	4.3	147	54	3	7
102+75	25	86	29	0.6	4.3	79	27	1	4
				COLUMN TOTALS		2,770	815	10	138

NOTES:
1) CUT: CUT INCLUDES UNUSABLE PAVEMENT MATERIAL
2) UNUSABLE PAVEMENT MATERIAL: THIS DOES NOT SHOW UP IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL

ESTERLY STREET		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)			
STATION	DISTANCE	CUT	UNUSABLE PAVEMENT MATERIAL	FILL	EBS (5% OF CUT)	CUT NOTE 1	UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS (5% OF CUT)
9+00 E	---	81	0	0	4	---	---	---	---
9+18 E	18	90	0	0	4	57	0	0	3
9+50 E	32	39	21	0	2	76	13	0	4
9+71 E	21	39	21	0	2	31	17	0	2
ESTERLY - SW QUADRANT	---	---	---	---	---	67	24	0	3
ESTERLY - SE QUADRANT	---	---	---	---	---	49	0	0	2
				COLUMN TOTALS		280	53	0	14

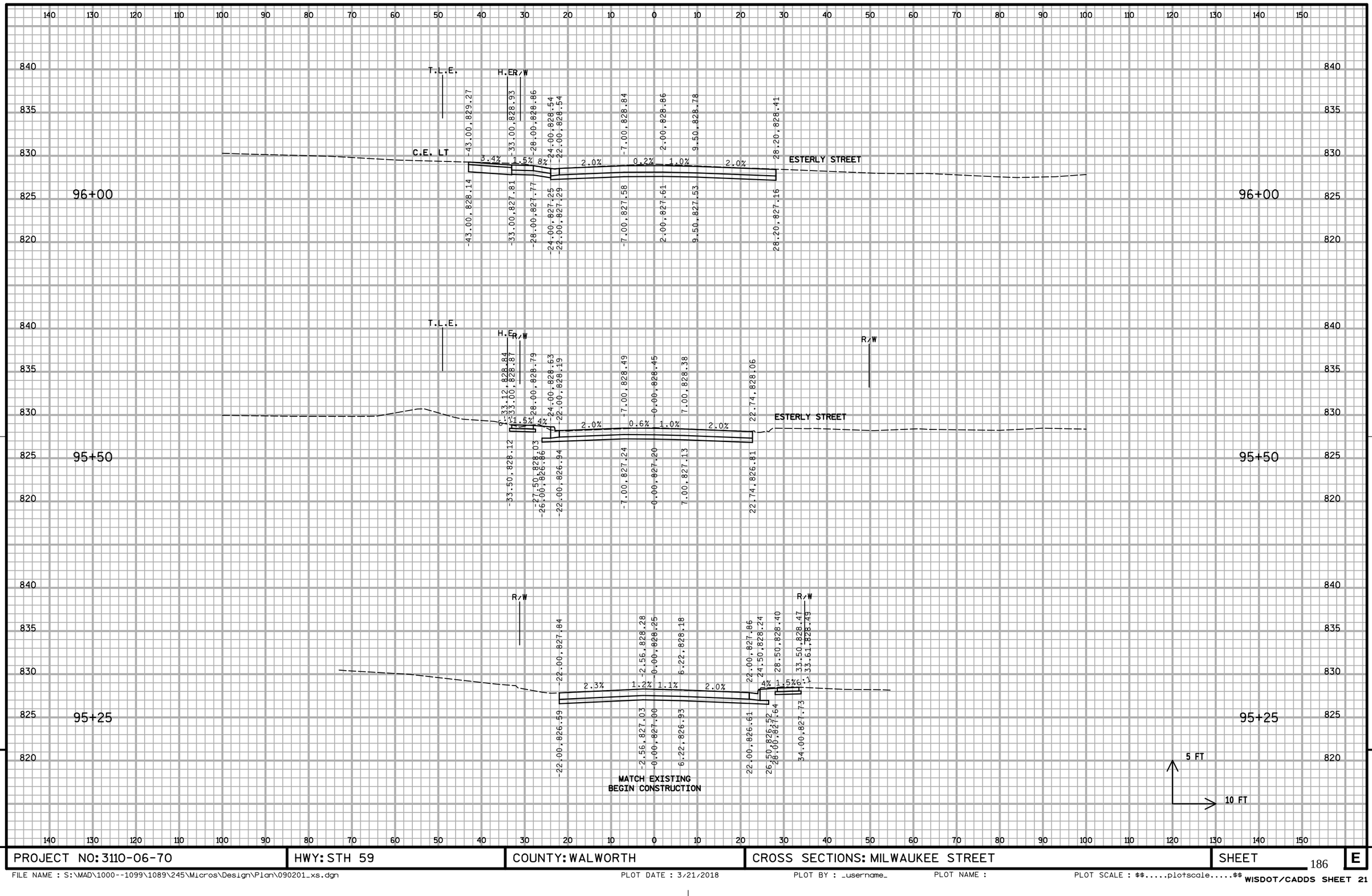
NOTES:
1) CUT: CUT INCLUDES UNUSABLE PAVEMENT MATERIAL
2) UNUSABLE PAVEMENT MATERIAL: THIS DOES NOT SHOW UP IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL

S. NEWCOMB STREET		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)			
STATION	DISTANCE	CUT	UNUSABLE PAVEMENT MATERIAL	FILL	EBS (5% OF CUT)	CUT NOTE 1	UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS (5% OF CUT)
7+84.5 SN	---	24	0	0	1	---	---	---	---
8+00 SN	16	28	0	0	1	15	0	0	1
8+50 SN	50	34	0	0	2	58	0	0	3
9+00 SN	50	87	0	0	4	112	0	0	6
9+50 SN	50	132	21	0	7	203	20	0	10
9+73 SN	23	132	21	0	7	112	18	0	6
INTERSECTION - SW QUADRANT	---	---	---	---	---	33	2	0	2
INTERSECTION - SE QUADRANT	---	---	---	---	---	61	6	0	3
				COLUMN TOTALS		594	45	0	30

NOTES:
1)CUT: CUT INCLUDES UNUSABLE PAVEMENT MATERIAL
2)UNUSABLE PAVEMENT MATERIAL: THIS DOES NOT SHOW UP IN THE CROSS SECTIONS
3)FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL

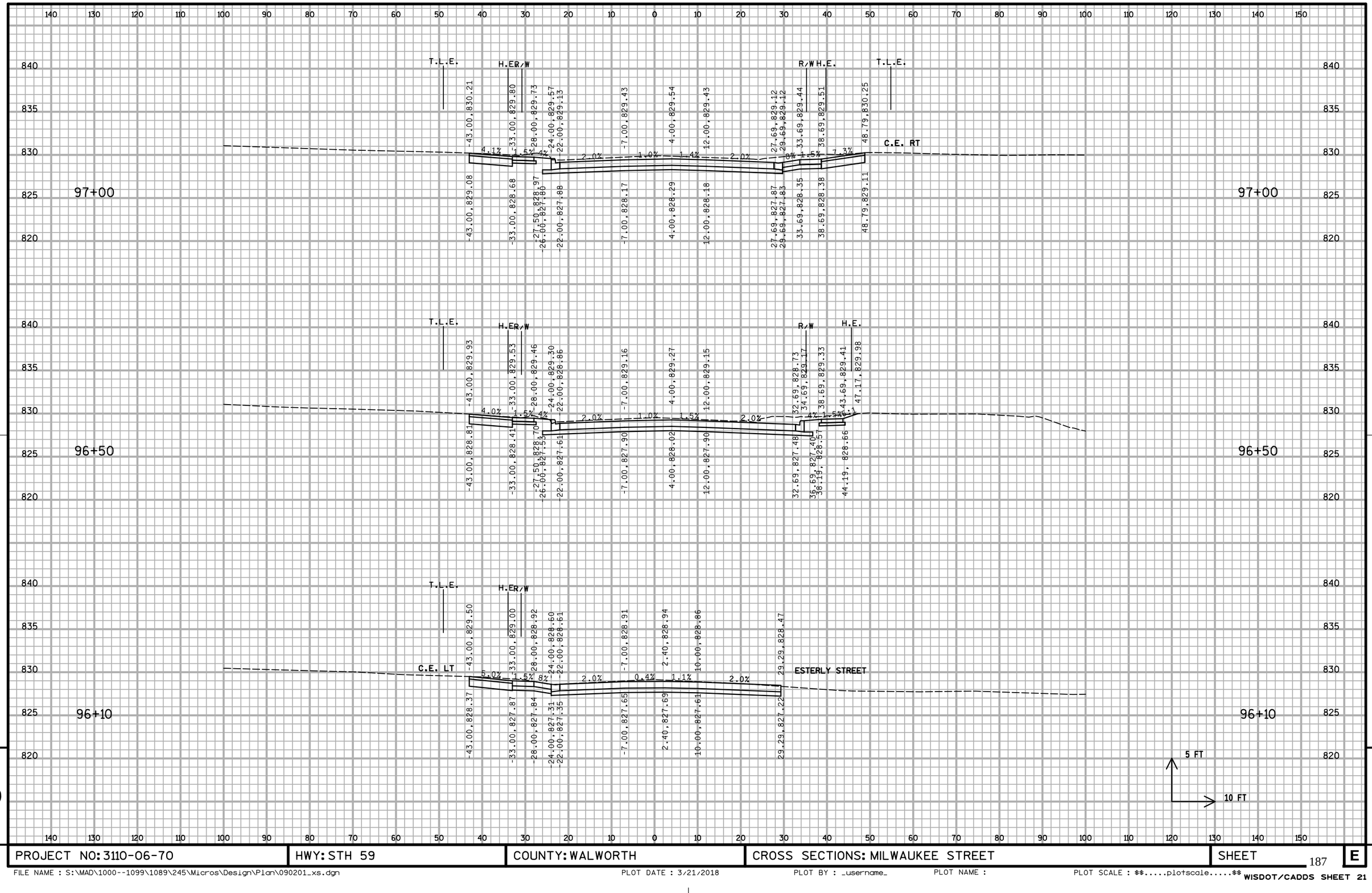
N. NEWCOMB STREET		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)			
STATION	DISTANCE	CUT	UNUSABLE PAVEMENT MATERIAL	FILL	EBS (5% OF CUT)	CUT NOTE 1	UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS (5% OF CUT)
10+22 NN	---	47	21	0	2	---	---	---	---
10+50 NN	28	51	21	0	3	51	22	0	3
11+00 NN	50	129	21	0	6	166	40	0	8
11+43 NN	43	97	21	0	5	180	34	0	9
11+50 NN	7	89	21	0	4	24	6	0	1
12+00 NN	50	55	21	2	3	134	40	2	7
12+33 NN	33	55	21	2	3	68	26	2	3
12+50 NN	17	38	21	8	2	30	13	3	1
12+81 NN	31	34	0	0	2	42	12	5	2
13+00 NN	19	53	21	3	3	31	8	1	2
13+50 NN	50	0	21	39	0	49	40	39	2
13+85 NN	35	66	21	0	3	43	28	25	2
INTERSECTION - NW QUADRANT	---	---	---	---	---	267	2	0	13
INTERSECTION - NE QUADRANT	---	---	---	---	---	243	2	0	12
MAIN ST. WEST	---	---	---	---	---	65	25	0	3
MAIN ST. EAST	---	---	---	---	---	57	26	0	3
				COLUMN TOTALS		1,449	321	77	72

NOTES:
1) CUT: CUT INCLUDES UNUSABLE PAVEMENT MATERIAL
2) UNUSABLE PAVEMENT MATERIAL: THIS DOES NOT SHOW UP IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL



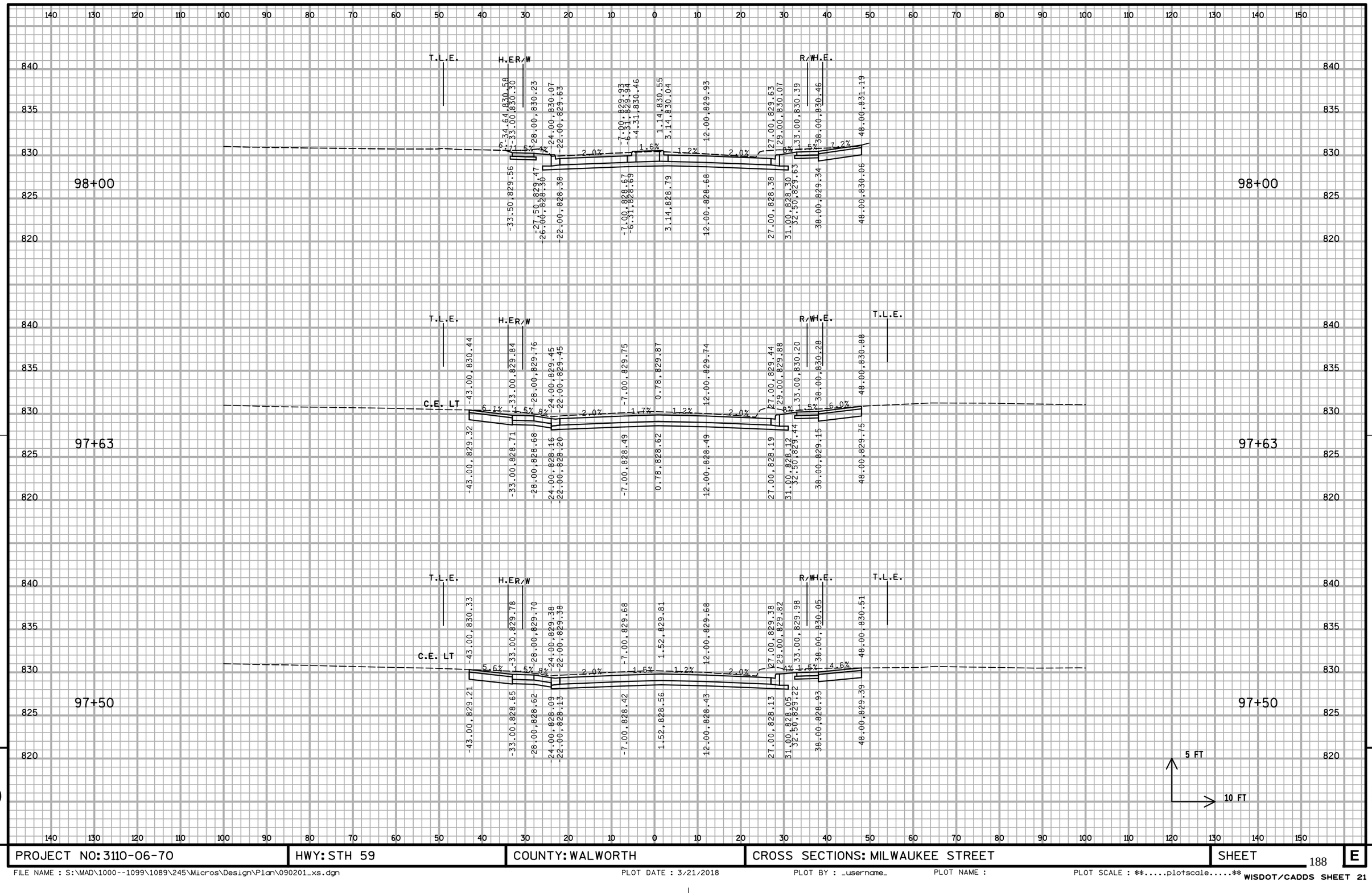
PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: MILWAUKEE STREET	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\090201_xs.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: MILWAUKEE STREET	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\090201_xs.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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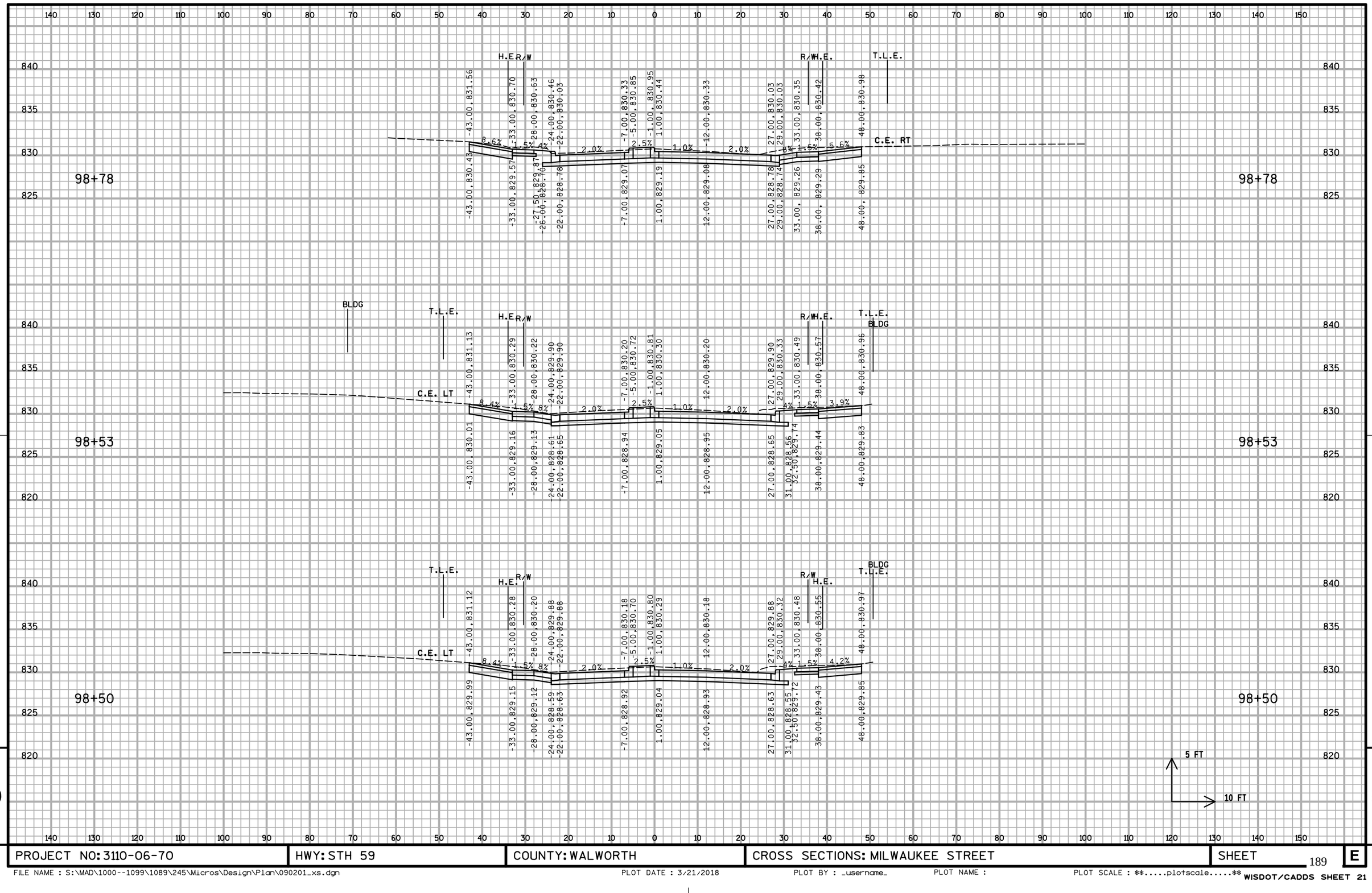
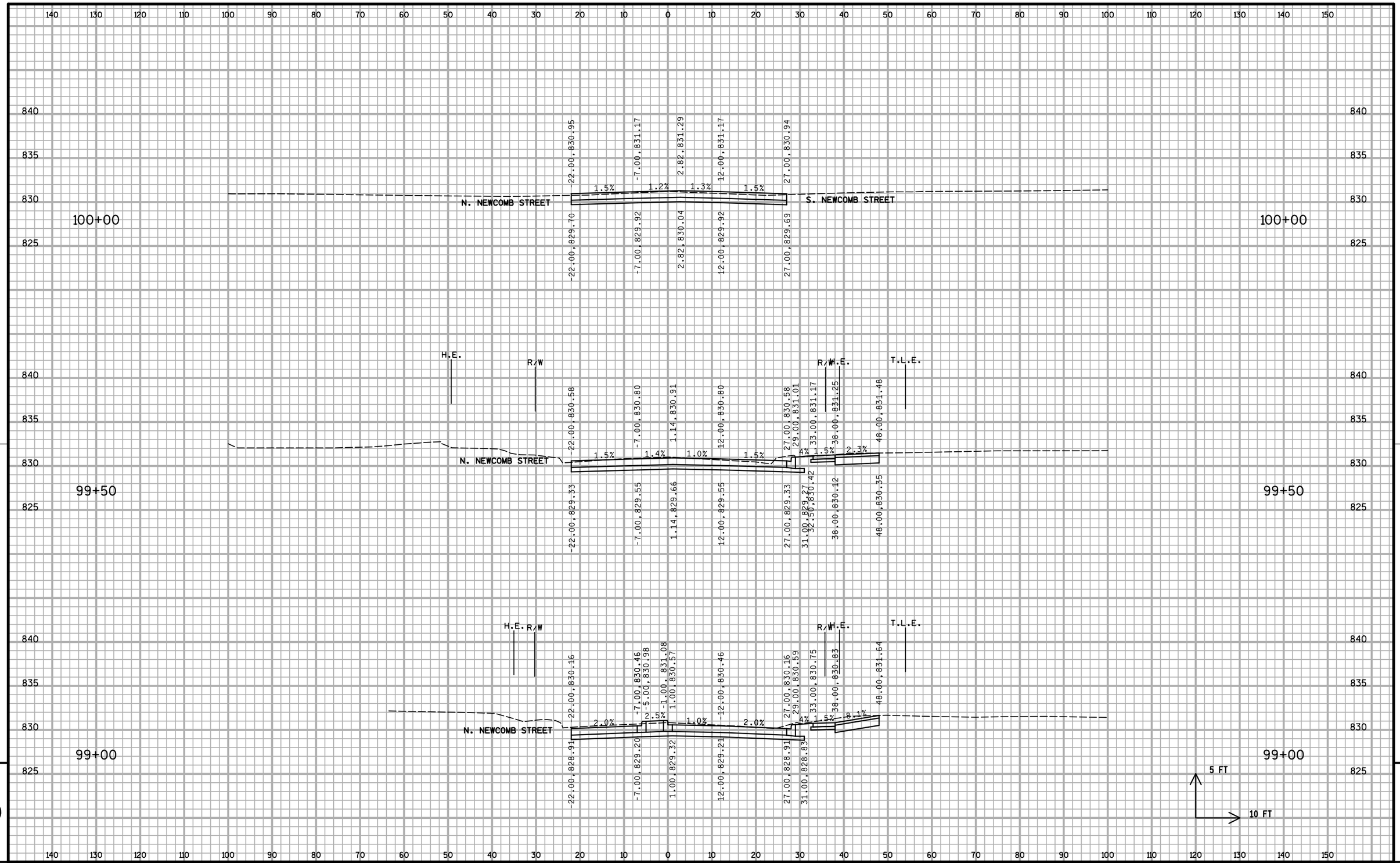
PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: MILWAUKEE STREET	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\090201_xs.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: MILWAUKEE STREET	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\090201_xs.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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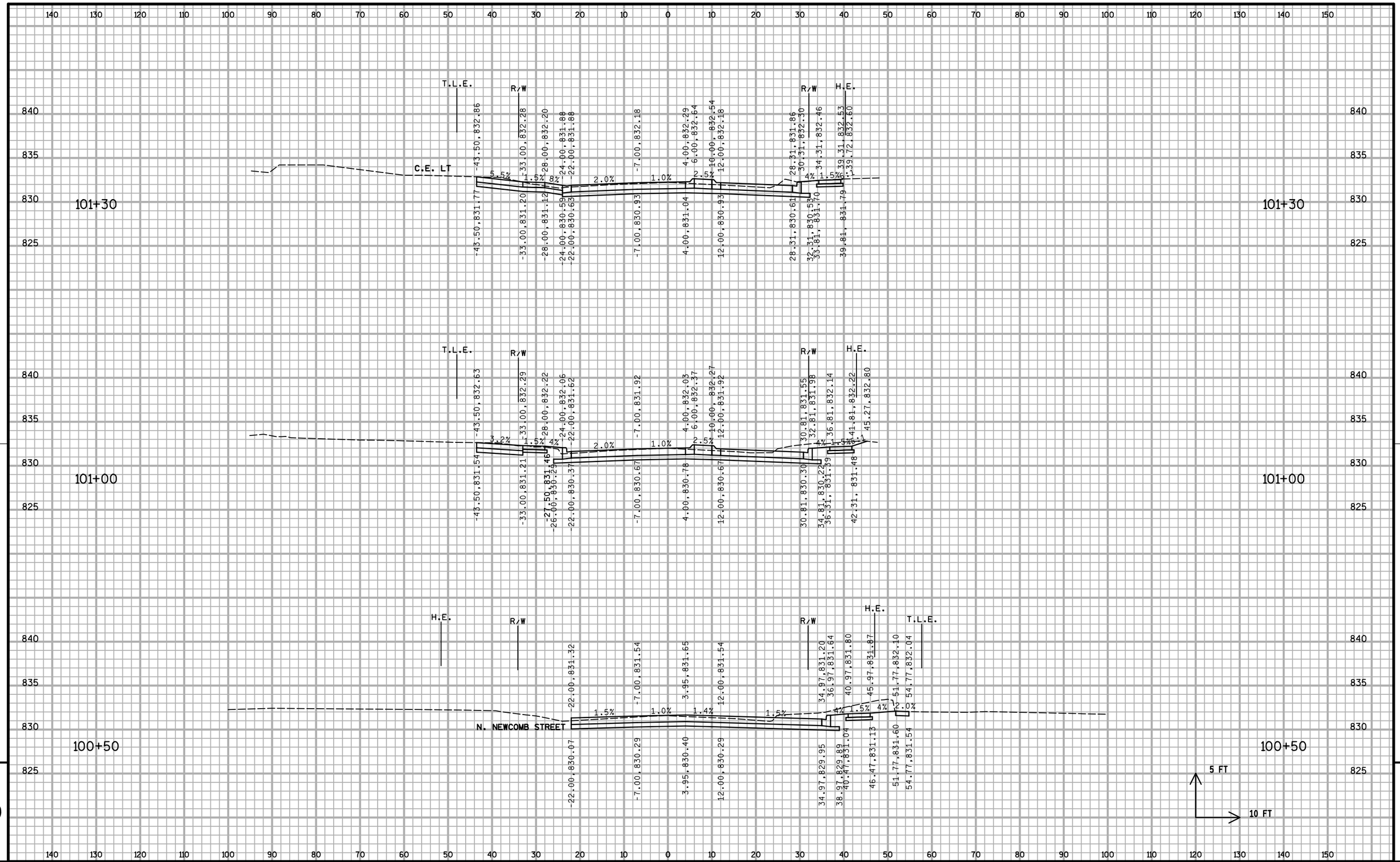
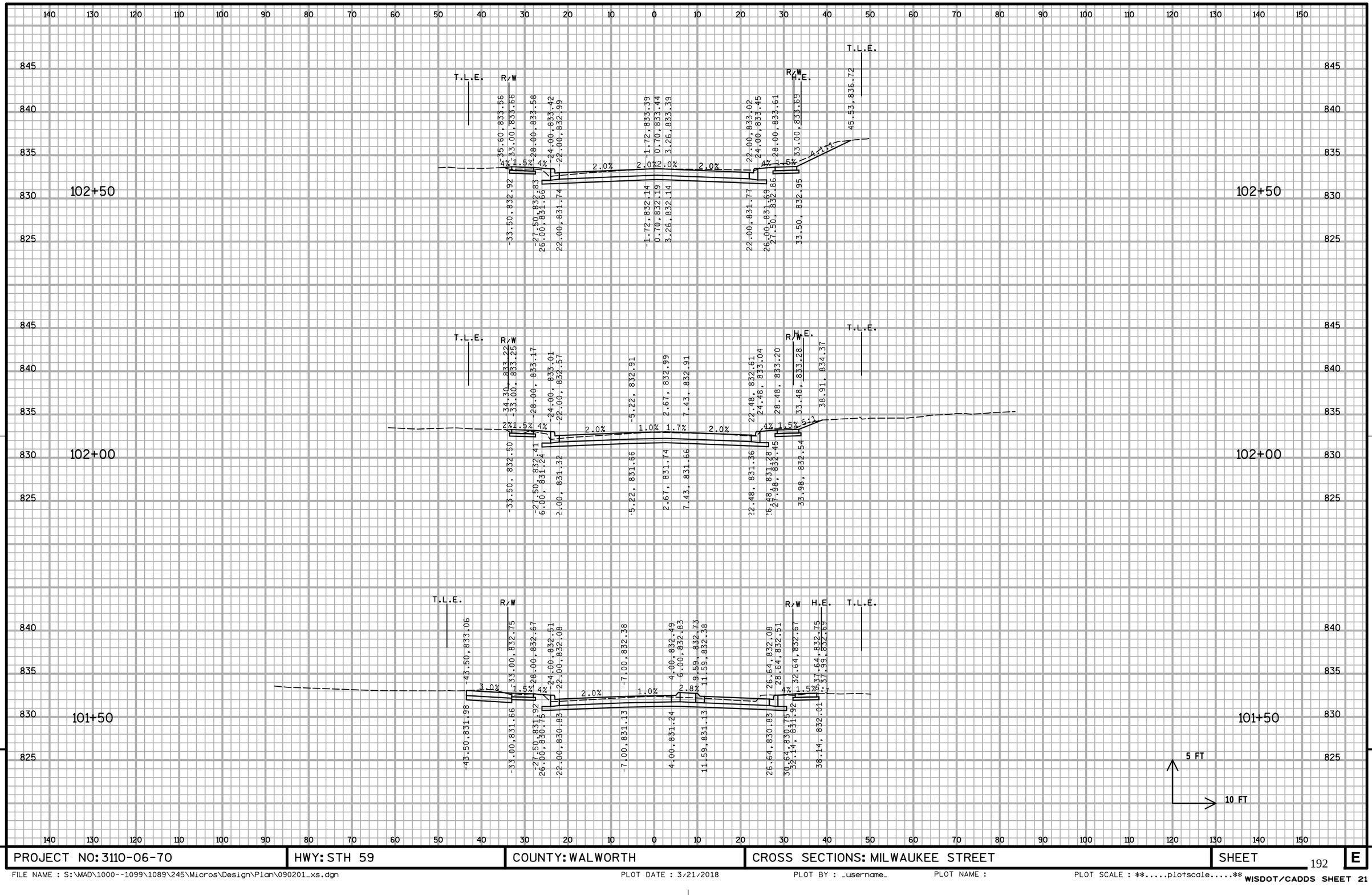
PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: MILWAUKEE STREET	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\090201_xs.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: MILWAUKEE STREET	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\090201_xs.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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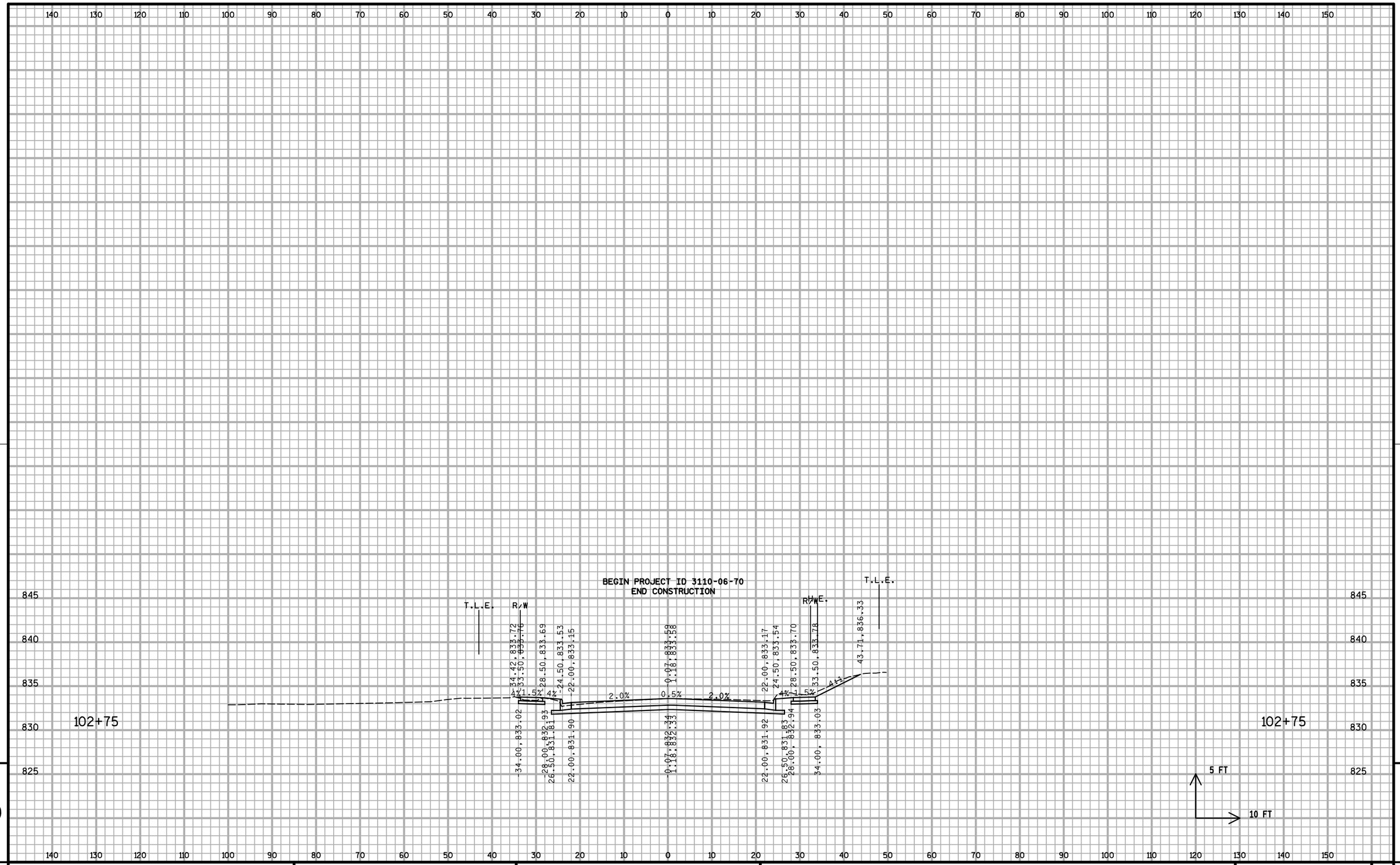
PROJECT NO: 3110-06-70 | HWY: STH 59 | COUNTY: WALWORTH | CROSS SECTIONS: MILWAUKEE STREET | SHEET | E

FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\090201_xs.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: MILWAUKEE STREET	SHEET	E

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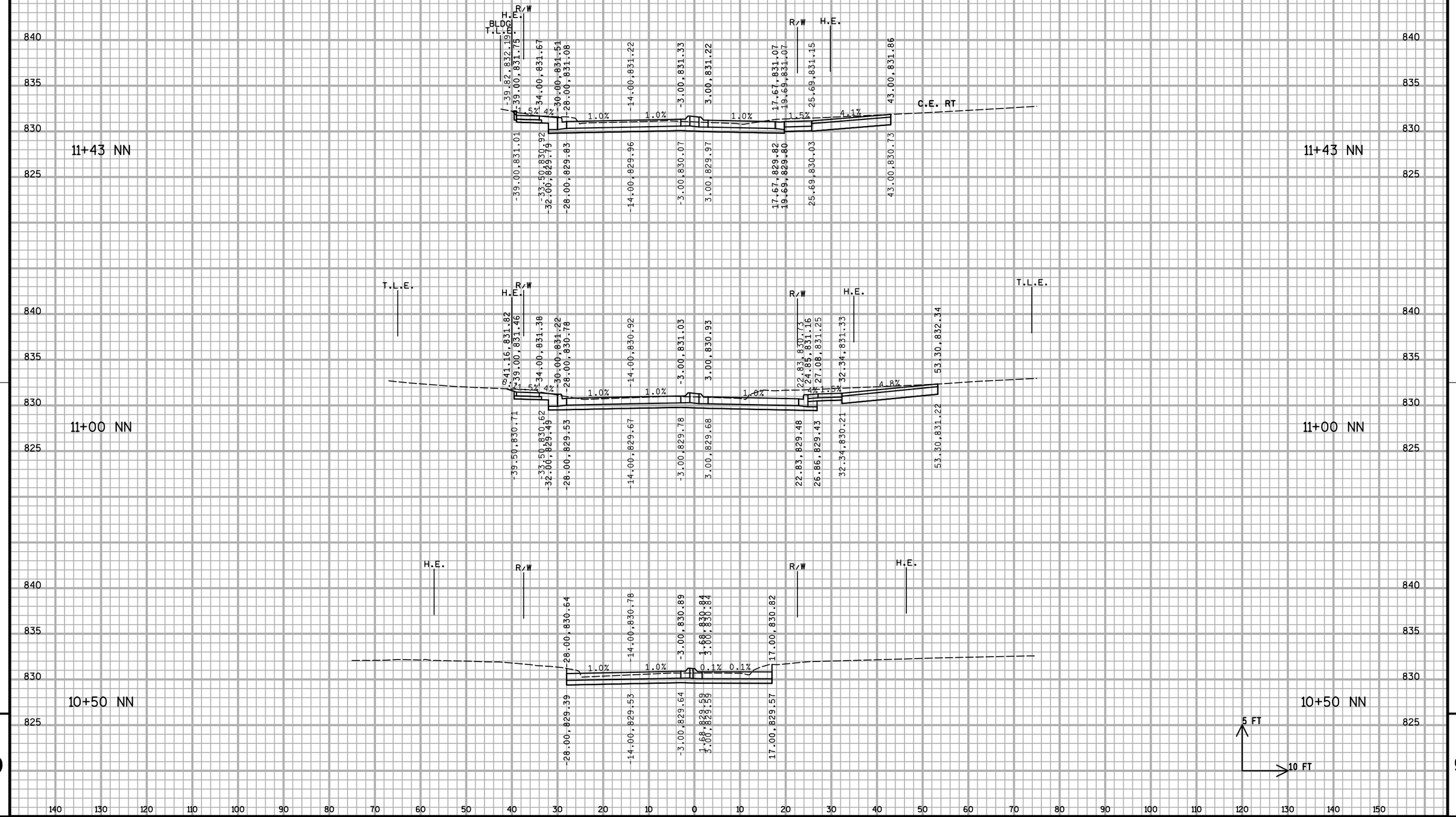
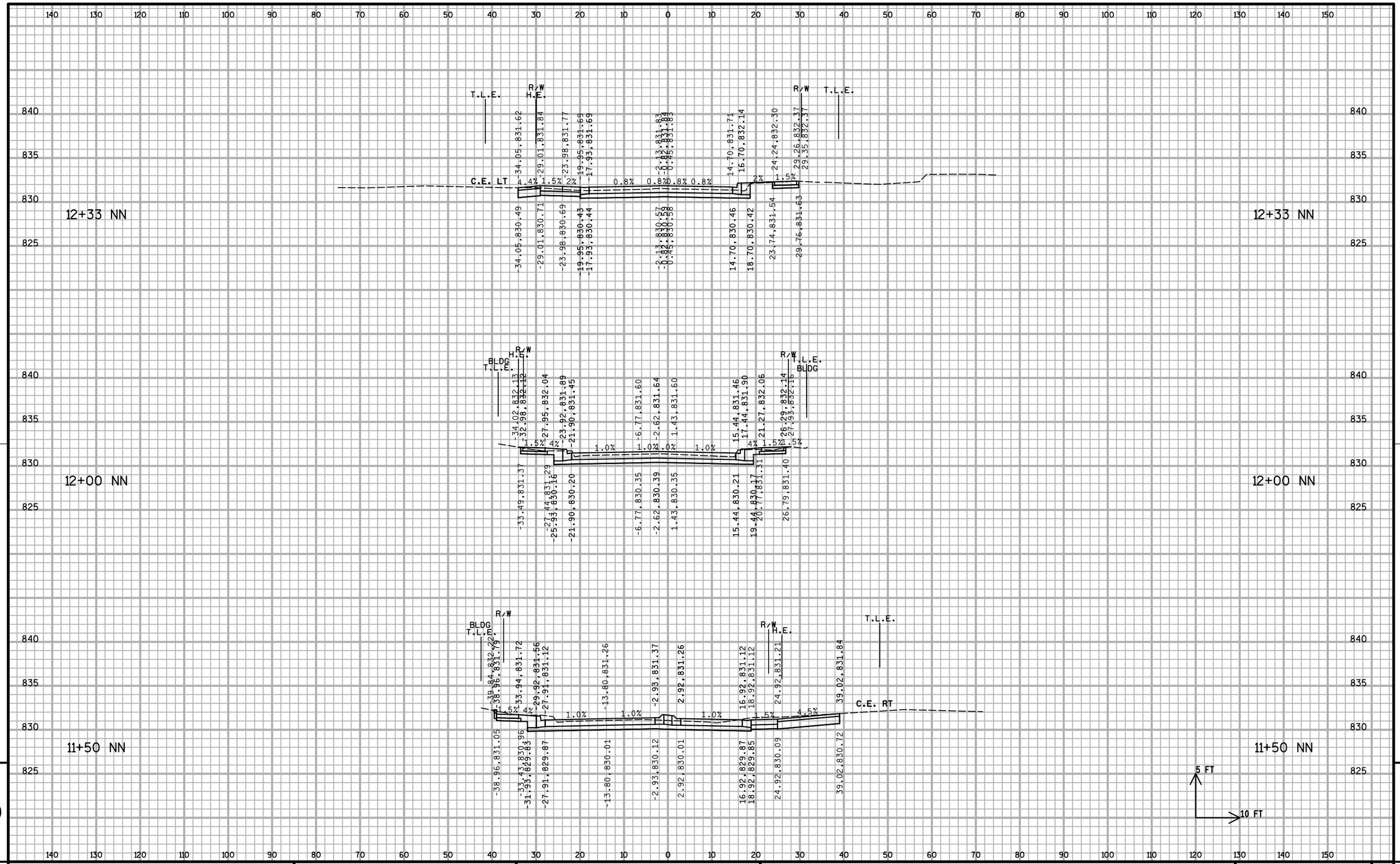


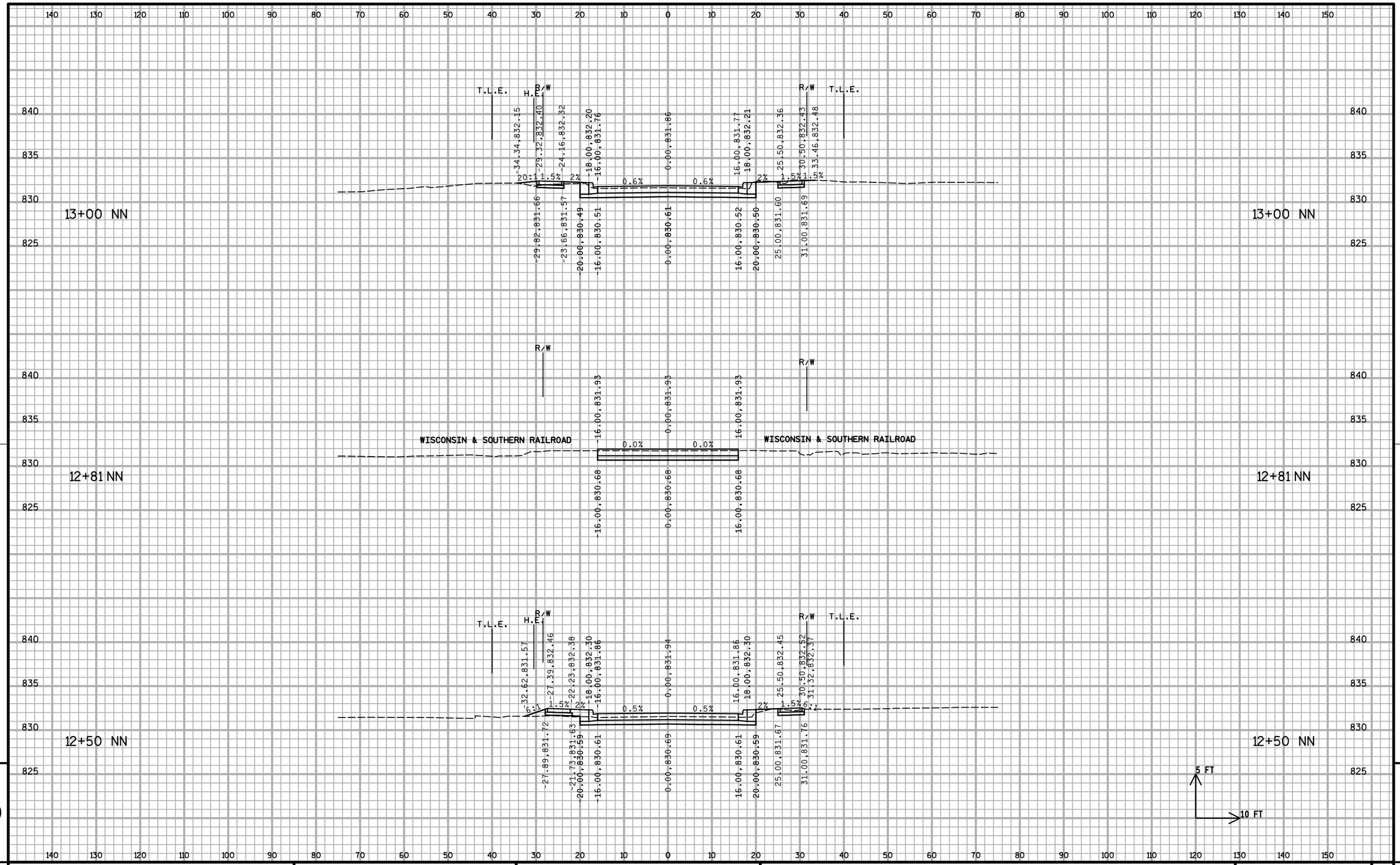
PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: N. NEWCOMB STREET	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\090202_xs.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: N. NEWCOMB STREET	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\090202_xs.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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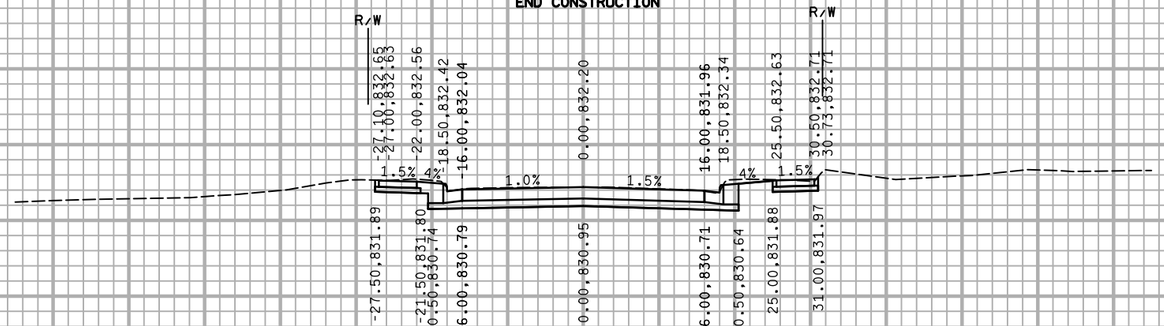
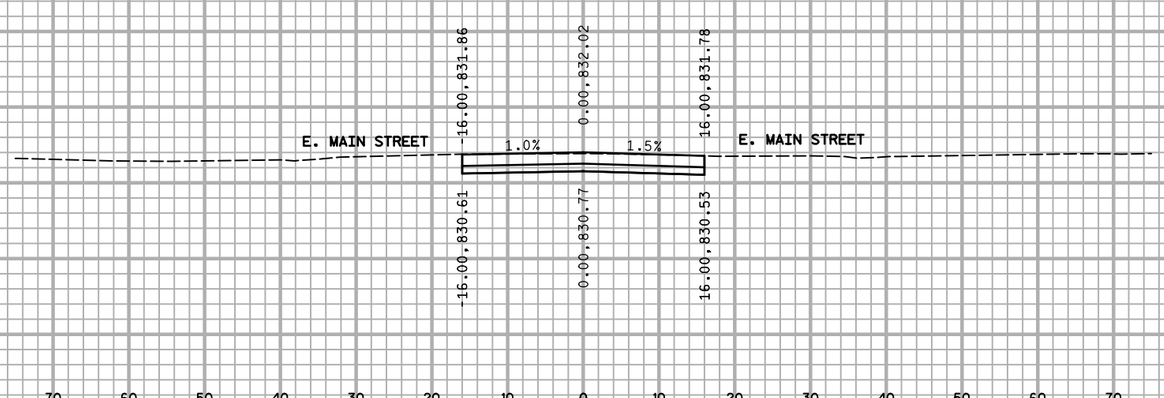
PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: N. NEWCOMB STREET	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\090202_xs.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

MATCH EXISTING
END PROJECT ID 3110-06-70
END CONSTRUCTION





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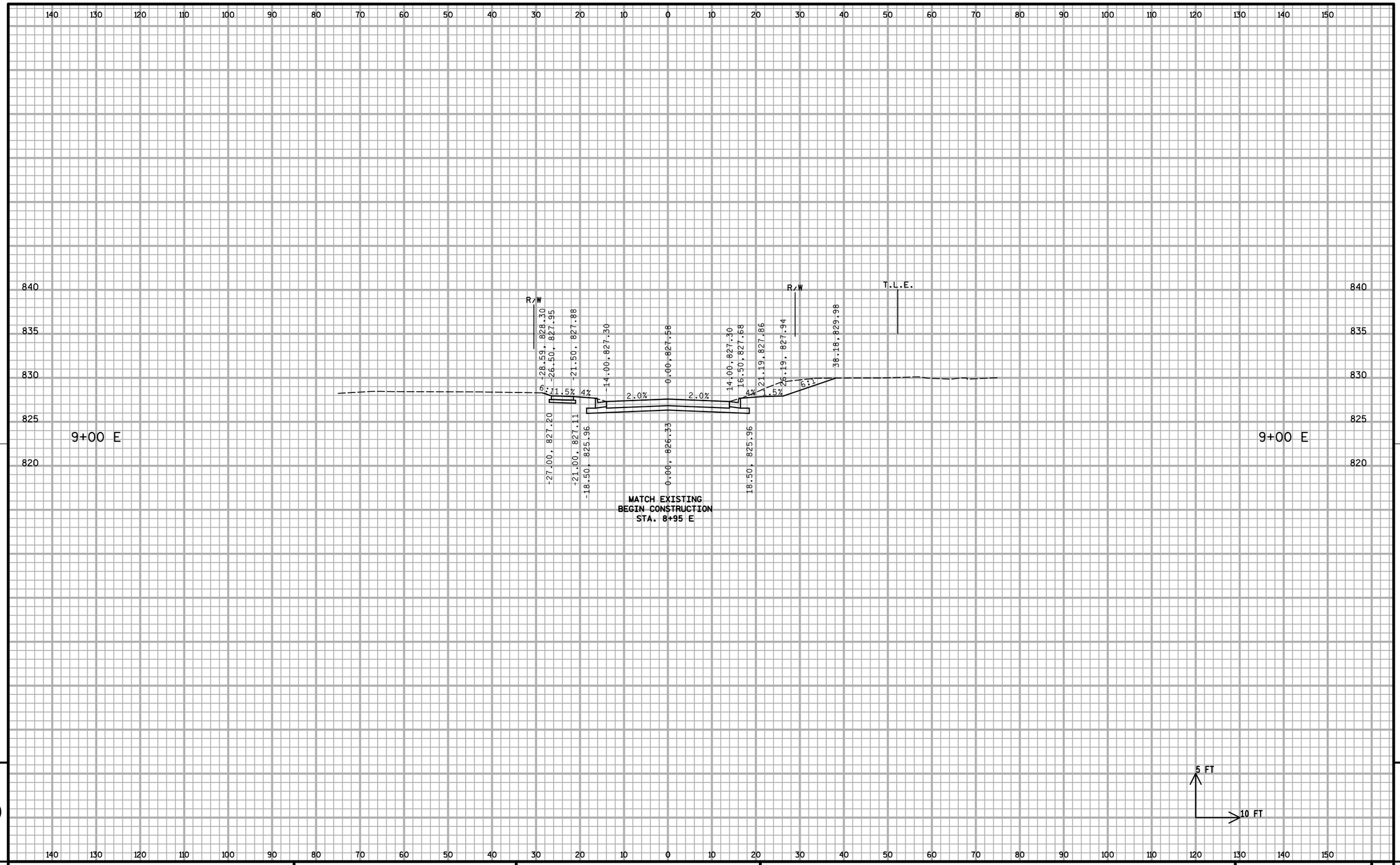
9

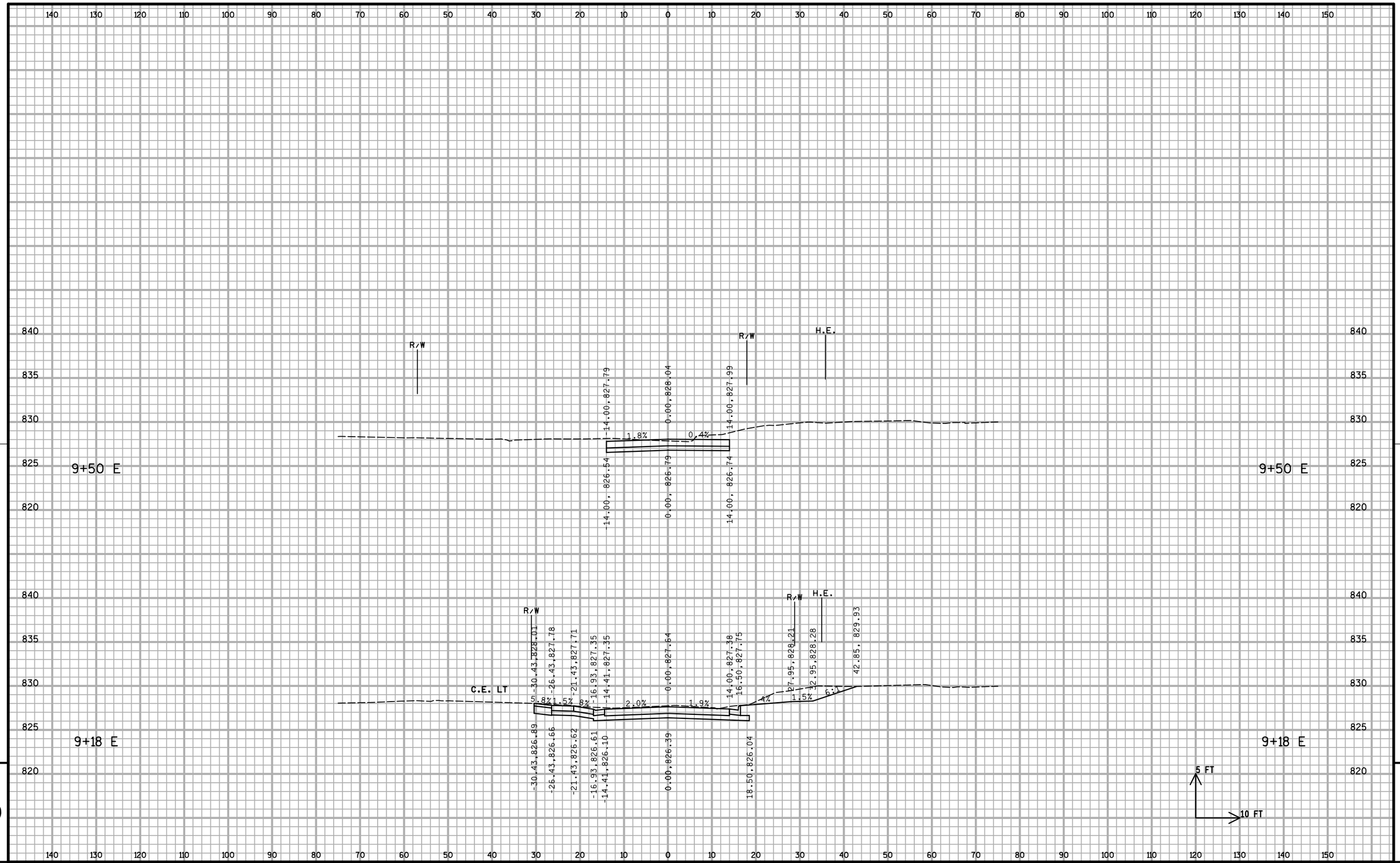
PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: N. NEWCOMB STREET	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\090202_xs.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: ESTERLY STREET	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\245\Micros\Design\Plan\090203_xs.dgn PLOT DATE : 3/21/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: ESTERLY STREET	SHEET	E

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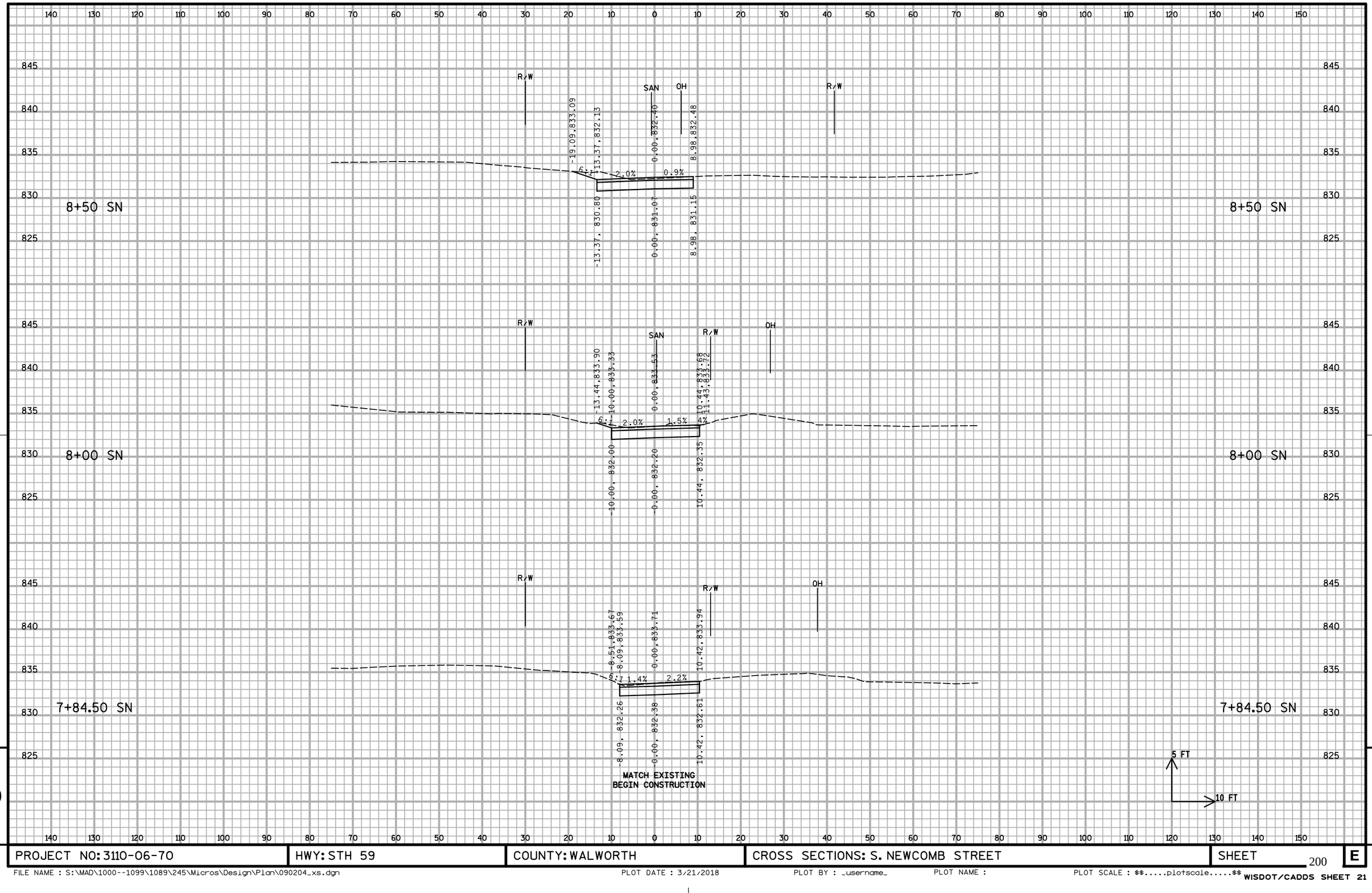
WISDOT/CADDS SHEET 21



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PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: S. NEWCOMB STREET	SHEET	E

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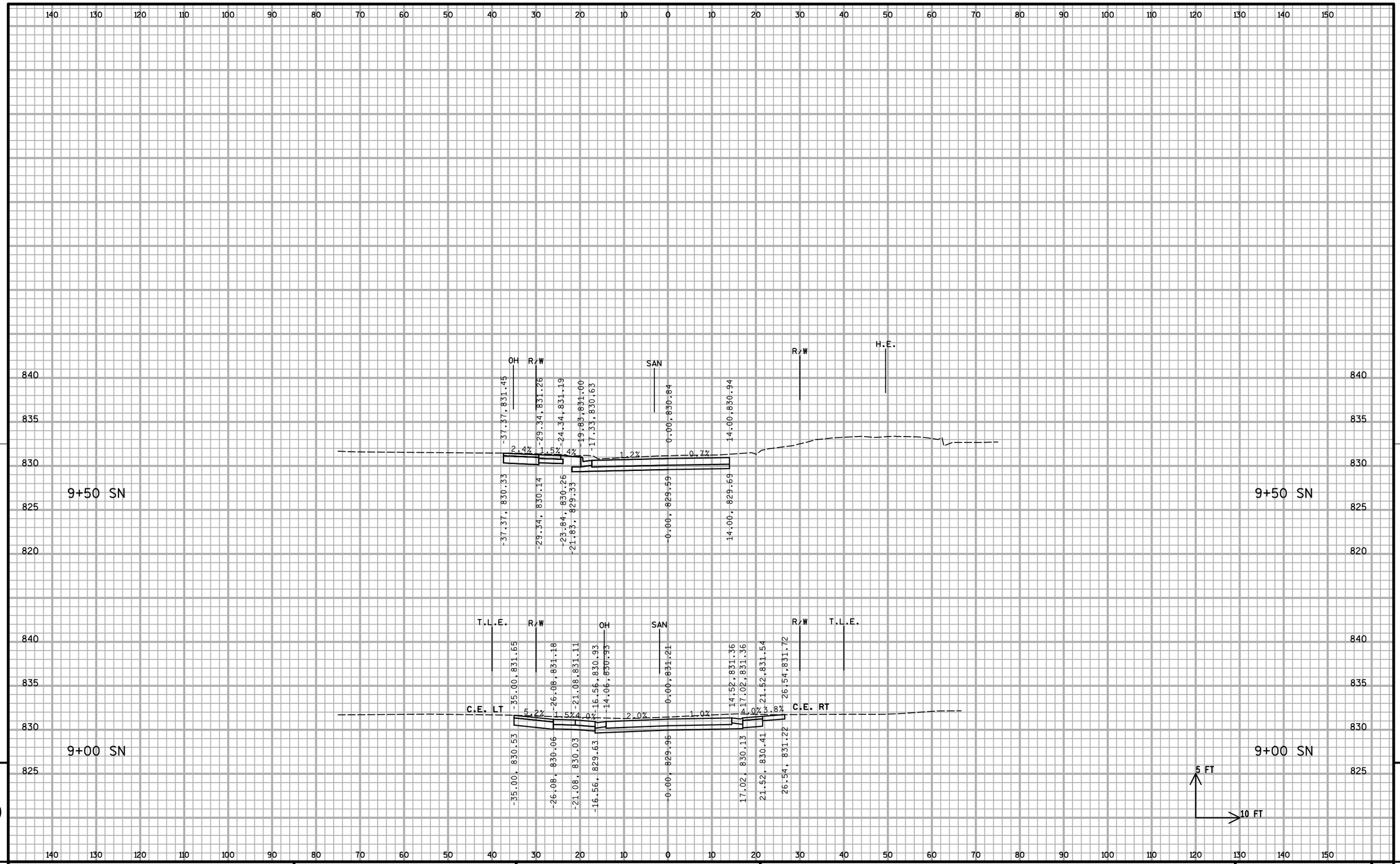

PROJECT NO: 3110-06-70	HWY: STH 59	COUNTY: WALWORTH	CROSS SECTIONS: S. NEWCOMB STREET	SHEET	E

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Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov

WKE

SEPT 2018

PROJECT ID: 3110-06-71
WITH: 3110-02-71, 3110-06-70

COUNTY: WALWORTH

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 = 16

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
3110-06-71		

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

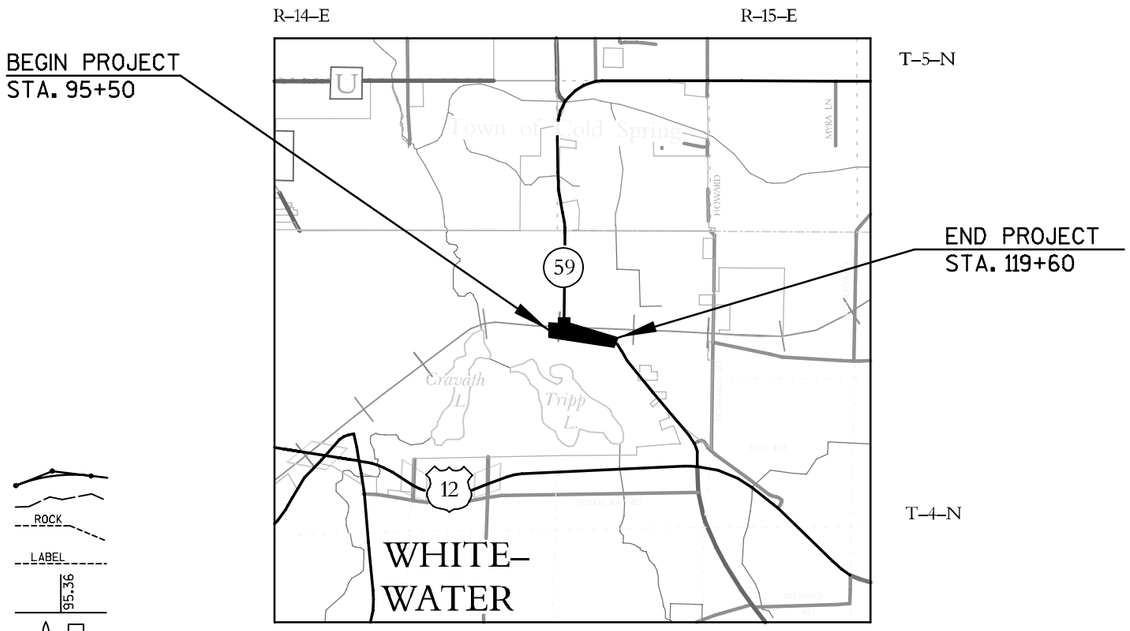
PLAN OF PROPOSED IMPROVEMENT

MILWAUKEE ST, CITY OF WHITEWATER

NEWCOMB STREET INTERSECTION

STH 59
WALWORTH COUNTY

STATE PROJECT NUMBER
3110-06-71



ACCEPTED FOR THE CITY OF WHITEWATER

DATE: 3/22/18 DIRECTOR OF PUBLIC WORKS

ORIGINAL PLANS PREPARED BY:

STRAND ASSOCIATES®
910 WEST WINGRA DRIVE
MADISON, WISCONSIN 53715
(608) 251-4843

WISCONSIN
ZACHARY R. SIMPSON
E-41694
MADISON
WI
PROFESSIONAL ENGINEER
3-22-2018

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	STRAND ASSOCIATES, INC./ WISDOT
Designer	STRAND ASSOCIATES, INC.
Project Manager	GARY METZER
Regional Examiner	
Regional Supervisor	JANET CANNON
C.O. Examiner	

APPROVED FOR THE DEPARTMENT

DATE: 23MAR 2018 (Signature)

E

CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS		GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND	
LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)	ROCK
LIMITED HIGHWAY EASEMENT		SPECIAL DITCH	LABEL
EXISTING RIGHT OF WAY		GRADE ELEVATION	95.36
PROPOSED OR NEW R/W LINE		CULVERT (Profile View)	
SLOPE INTERCEPT		**UTILITIES**	
REFERENCE LINE		ELECTRIC	E
EXISTING CULVERT		FIBER OPTIC	FO
PROPOSED CULVERT (Box or Pipe)		GAS	G
COMBUSTIBLE FLUIDS	CAUTION	SANITARY SEWER	SAN
		STORM SEWER	SS
MARSH AREA		TELEPHONE	T
		WATER	W
WOODED OR SHRUB AREA		UTILITY PEDESTAL	
		POWER POLE	
		TELEPHONE POLE	

LAYOUT
SCALE 0 1/2 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.0 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), WALWORTH COUNTY, NAD 1983 (2007).

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88 (2007))

GENERAL NOTES

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

REFER TO STREET AND UTILITY IMPROVEMENTS DRAWINGS FOR CONSTRUCTION STAGING AND TEMPORARY EROSION CONTROL REQUIREMENTS.

UTILITY CONSTRUCTION SHALL BE COORDINATED WITH STAGING LIMITS AS SHOWN ON THE STREET AND UTILITY IMPROVMENTS DRAWINGS.

CONTRACTOR SHALL SEQUENCE UTILITY CONSTRUCTION TO MINIMIZE DISRUPTION TO UTILITY USERS. A A DETAILED SEQUENCE SHALL BE SUBMITTED AND APPROVED BY ENGINEER PRIOR TO COMMENCEMENT OF UTILITY CONSTRUCTION.

CONTACT LOCAL WATER UTILITY TO COORDINATE OPERATION OF WATER DISTRIBUTION SYSTEM

CONTACT LOCAL SANITARY SEWER UTILITY FOR SANITARY SYSTEM OPERATION AND TEMPORARY CONVEYANCE PARAMETERS.

CONTRACTOR SHALL DETERMINE BY DYE TESTING OR OTHER METHOD, WHICH SANITARY LATERALS ARE ACTIVE ALONG THE SEWER TO BE REPLACED PRIOR TO DISCONNECTION OF ANY LATERAL TO ANY CUSTOMER.

SEE SPECIAL PROVISIONS FOR NOTIFICATION REQUIREMENTS RELATED TO SEWER AND WATER CONSTRUCTION.

SECTION 2 ORDER OF SHEETS

GENERAL NOTES
CONSTRUCTION DETAILS
PLAN DETAILS

UTILITIES

AT&T WISCONSIN
ATTENTION: MATT KINAS
152 DIXON STREET
MADISON, WI 53704
PH: (608) 252-5102
E-MAIL: MK3281@att.com

CHARTER COMMUNICATIONS
ATTENTION: DAVID MOLDENHAUER
1348 PLAINFIELD AVENUE
JANESVILLE, WI 53545
PH: (608) 373-7538
E-MAIL: david.moldenhauer@charter.com

WE ENERGIES (ELECTRIC)
ATTENTION: TERRY CONNELLY
S13 W33800 HWY 18
DELAFIELD, WI 53018
PH: (262) 968-5771
E-MAIL: terry.connelly@we-energies.com

WE ENERGIES (GAS)
ATTENTION: DANIELLE FINK
500 S. 116TH STREET
WEST ALLIS, WI 53214
PH: (414) 944-5627

CITY OF WHITEWATER - SEWER
ATTENTION: TIM REEL
312 W. WHITEWATER STREET
WHITEWATER, WI 53190
(262) 473-0560
EMAIL: treel@whitewater-wi.gov

CITY OF WHITEWATER - WATER
ATTENTION: RICK LIEN
308 N. FREEMONT
WHITEWATER, WI 53190
(262) 473-0543
rlien@whitewater.wi.us

OTHER CONTACTS

WISDOT CONTACT

GARY METZER, P.E.
WISDOT SOUTHEAST REGION
141 NW BARSTOW STREET
WAUKESHA, WI 53188
(262) 548-5685
EMAIL: gary.metzer@dot.wi.gov

DESIGN CONTACT

ZACH SIMPSON, P.E.
STRAND ASSOCIATES, INC.
910 WEST WINGRA DRIVE
MADISON, WI 53715
(608) 251-4843
E-MAIL: zach.simpson@strand.com

CITY OF WHITEWATER

BRAD MARQUARDT, P.E.
312 WEST WHITEWATER STREET
WHITEWATER, WI 53190
(262) 473-0542
E-MAIL: Bmarquardt@whitewater-wi.gov

RAILROAD

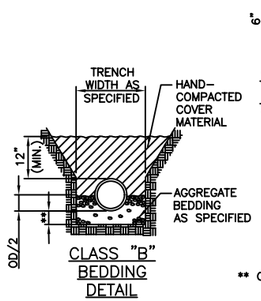
WISCONSIN AND SOUTHERN
RAILROAD COMPANY
ATTENTION: BEN MEIGHAN
1890 EAST JOHNSON STREET
MADISON, WI 53704
PH: (608) 243-9129
FAX: (608) 243-9225

DNR LIAISON

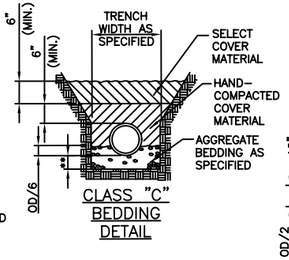
CRAIG WEBSTER
SOUTHEAST REGION
141 NW BARSTOW STREET
WAUKESHA, WI 53188
(262) 574-2141
E-MAIL: craig.webster@wisconsin.gov

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

** DENOTES UTILITIES THAT ARE NOT DIGGERS HOTLINE MEMBERS

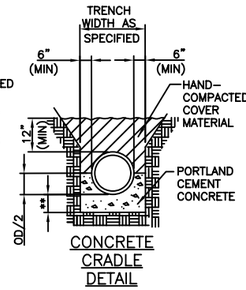


CLASS "B" BEDDING DETAIL

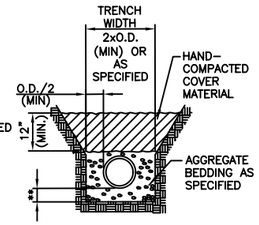


CLASS "C" BEDDING DETAIL

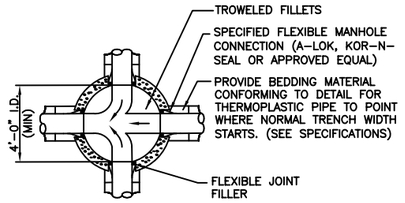
** OUTSIDE DIAMETER/4, 4" MINIMUM.



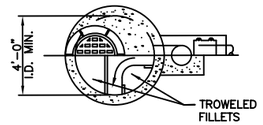
CONCRETE CRADLE DETAIL



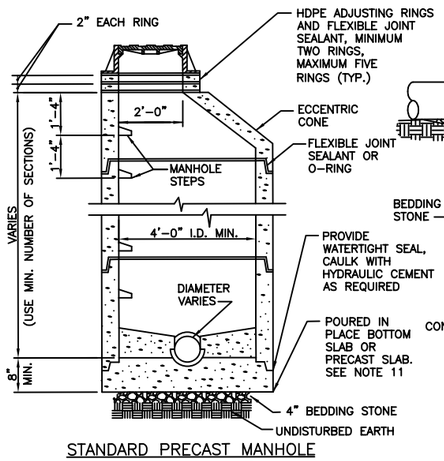
THERMOPLASTIC PIPE BEDDING DETAIL



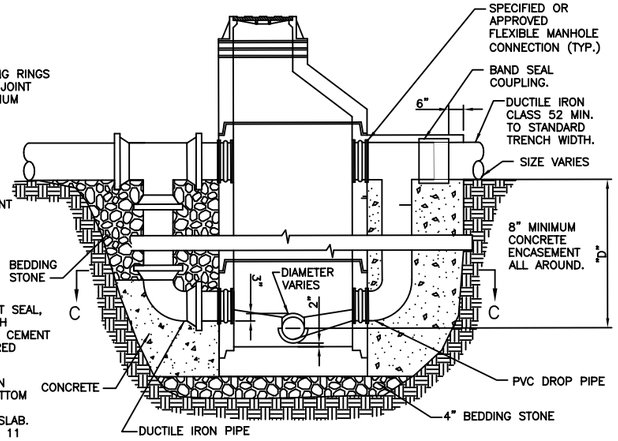
JUNCTION MANHOLE



HALF SECTION C–C



STANDARD PRECAST MANHOLE



DROP TYPE ENTRANCE OPTIONS TO STANDARD MANHOLE

DROP TYPE ENTRANCE TO BE USED WHEREVER DIMENSION "D" EXCEEDS 2'–0".

NOTES:

1. DETAILS RELATIVE TO ITEMS SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

2. VARIATIONS IN DIMENSIONS AND DESIGN MAY BE PERMISSIBLE, PROVIDING EQUIVALENT CAPACITY AND STRENGTH ARE ATTAINED.

3. ALL CONCRETE FILLETS SHALL BE HAND TROWELED WITH A 1/4"/FT. SLOPE.

4. INSIDE DIMENSIONS FOR MANHOLES: USE MINIMUM 4' DIAMETER FOR SEWER LESS THAN 18" IN DIAMETER; USE MINIMUM 5' DIAMETER FOR SEWER 18" THRU 24" IN DIAMETER; USE MINIMUM 6' DIAMETER OR MINIMUM 6' SQUARE FOR SEWER OVER 24" IN DIAMETER.

5. BEDDING CLASSES "B" AND "C" SHALL MEET OR EXCEED ASTM C12 REQUIREMENTS.

6. DROP TYPE ENTRANCE TO STANDARD MANHOLE WILL BE PAID FOR SEPARATELY IF SO LISTED IN THE BID.

7. SEE DRAWINGS FOR DROP TYPE ENTRANCES FOR SANITARY SEWERS LARGER THAN 15".

8. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY BODIES OF THE STATE AND APPLICABLE MUNICIPAL ORDINANCES.

9. ALL NEW CONSTRUCTION SHALL BE PLACED ON UNDISTURBED EARTH OR STONE BEDDING.

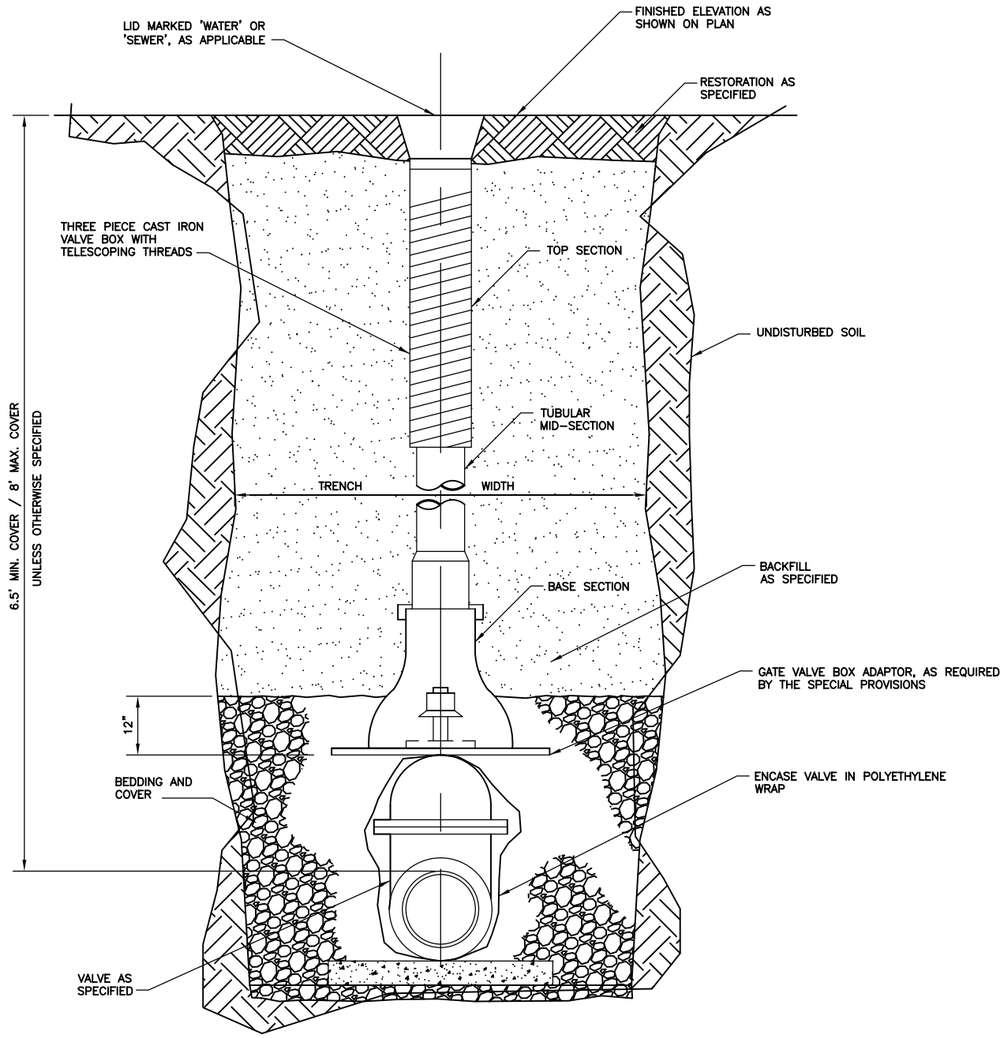
10. FLAT SLAB TOPS SHALL BE DESIGNED FOR H–20 TRUCK LOADING AND SHALL MEET REQUIREMENTS OF ASTM C–478.

11. BASE SLABS SHALL BE REINFORCED AS FOLLOWS: REINFORCING SHALL BE PLACED IN EACH DIRECTION AT 2" CLEAR FROM TOP SURFACE OF SLAB, REINFORCING SHALL BE GRADE 60. USE OF CAST–IN–PLACE SLAB SHALL NOT RELIEVE CONTRACTOR OF REQUIREMENTS TO PROVIDE WATERTIGHT JOINTS.

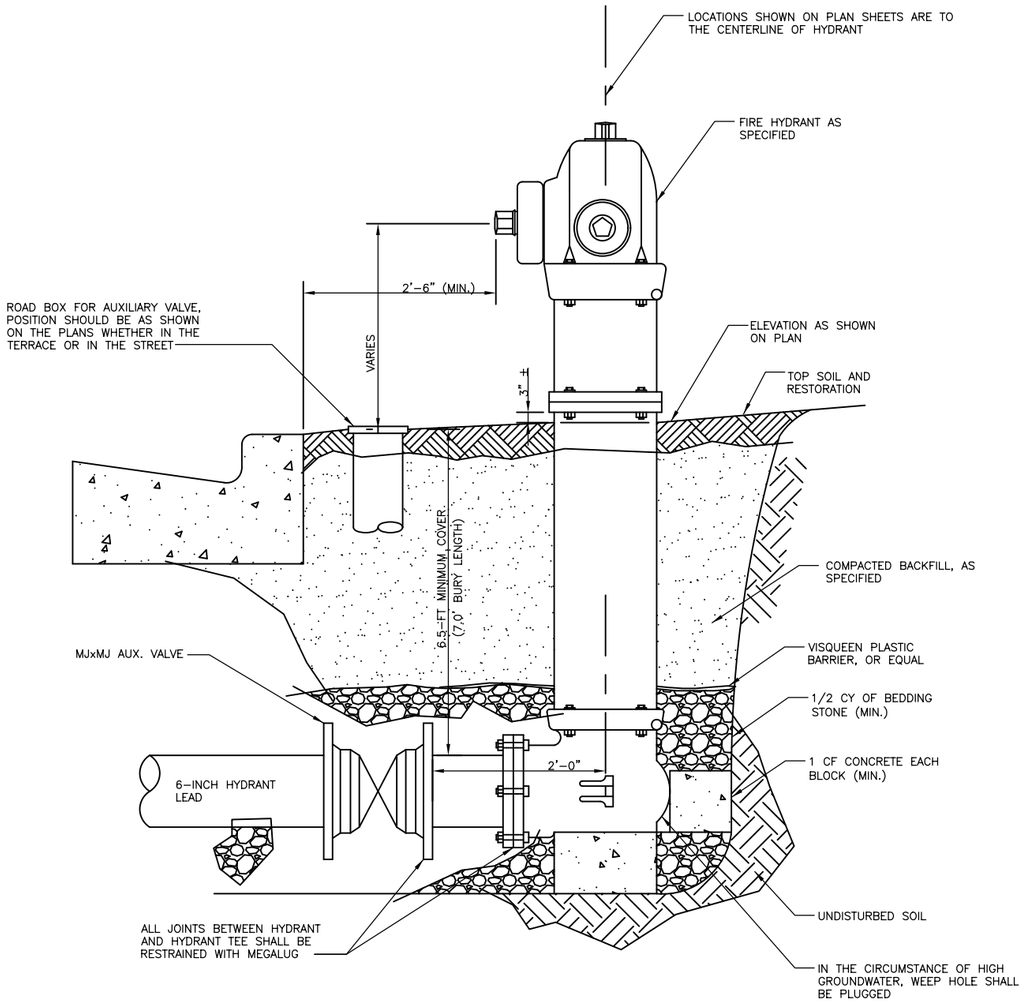
INSIDE DIA.	DEPTH	REINF.
4'	≤ 30'	#3@8"
5'	≤ 20'	#3@8"
5'	20'–30'	#4@10"
6'	≤ 20'	#4@10"
6'	20'–25'	#4@8"
6'	25'–30'	#4@6"

12. FLAT SLABS SHALL BE PROVIDED IN SHALLOW DEPTH SITUATIONS IN LIEU OF ECCENTRIC CONES.

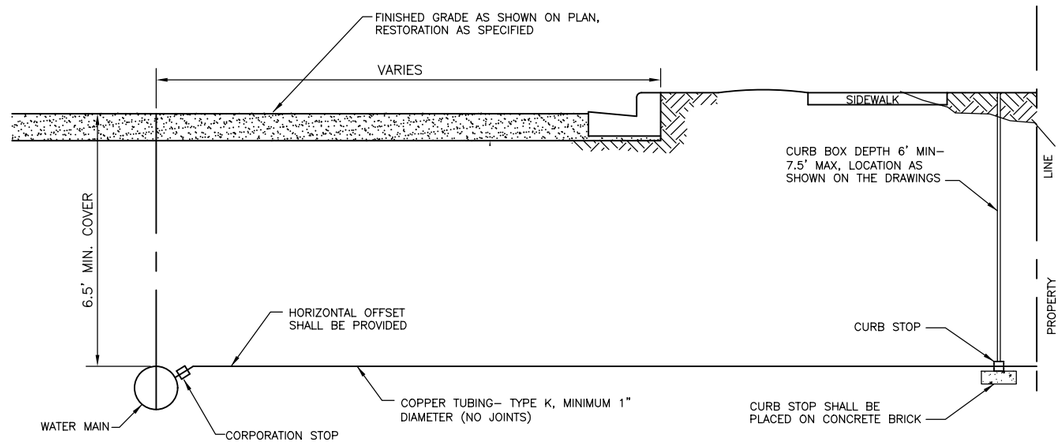
SANITARY SEWER APPURTENANCES



STANDARD BURIED GATE VALVE BOX SETTING



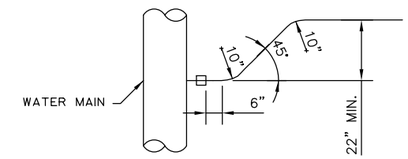
HYDRANT INSTALLATION



SECTION VIEW

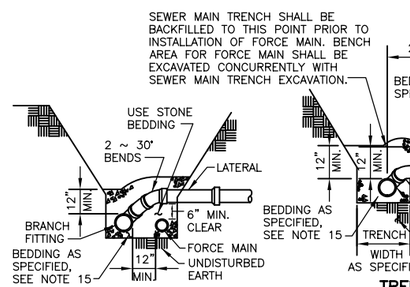
*TAPPING SADDLES SHALL BE PROVIDED FOR ALL CORPORATION STOPS WITH 1½" AND LARGER.

NOTES
1. ALL FITTINGS SHALL BE FLARED OR COMPRESSION JOINT TYPE, AND CONFORM TO AWWA REQUIREMENTS
2. CORPORATION STOP TO BE TAPPED INTO DUCTILE IRON WATER MAIN, UNLESS OTHERWISE SPECIFIED.
3. ALL TAPS TO BE MADE UNDER PRESSURE WHEN APPLICABLE.
4. NO TAPS TO BE CLOSER THAN 18" APART ALONG MAIN
5. ALL COPPER TUBE BENDS TO BE SMOOTH RADIUS, 10" MIN

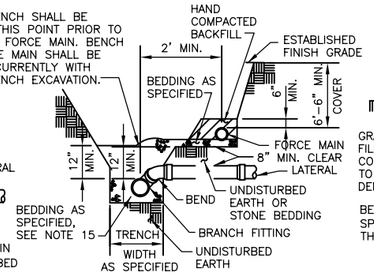


HORIZONTAL OFFSET PLAN VIEW

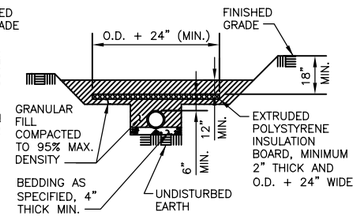
RESIDENTIAL WATER SERVICE LATERAL



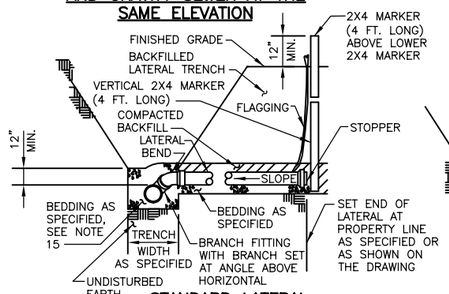
TRENCH DETAIL – FORCE MAIN AND GRAVITY SEWER AT THE SAME ELEVATION



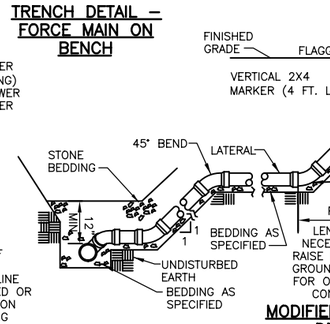
TRENCH DETAIL – FORCE MAIN ON BENCH



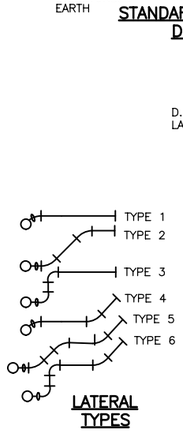
SEWER INSULATION DETAIL



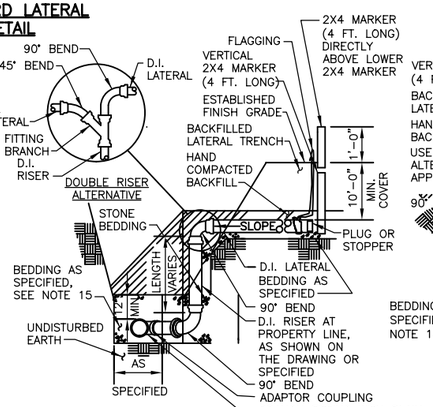
STANDARD LATERAL DETAIL



MODIFIED LATERAL DETAIL

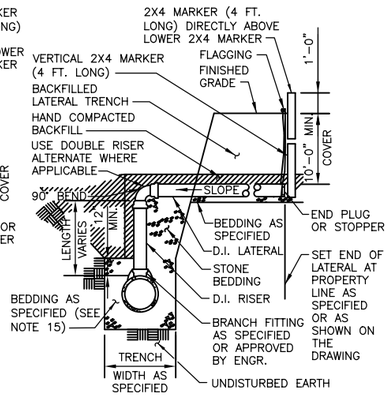


LATERAL TYPES



SEWERS SMALLER THAN 18"

STANDARD RISER DETAILS



SEWERS 18" AND LARGER

NOTES:

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY BODIES OF THE STATE AND APPLICABLE MUNICIPAL ORDINANCES.

2. DETAILS RELATIVE TO ITEMS SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE SPECIAL PROVISIONS.

3. VARIATIONS IN DIMENSIONS AND DESIGN MAY BE PERMISSABLE, PROVIDING EQUIVALENT CAPACITY AND STRENGTH ARE ATTAINED.

4. ALL NEW CONSTRUCTION SHALL BE PLACED ON UNDISTURBED EARTH OR STONE BEDDING.

5. BEDDING CLASSES "B" AND "C" SHALL MEET OR EXCEED ASTM C12 REQUIREMENTS.

6. ALL LATERALS SHALL BE LAID AT A STANDARD SLOPE OF 1/4-INCH PER FOOT UNLESS OTHERWISE NOTED ON THE DRAWINGS, OR SPECIFIED. IN NO CASE SHALL LATERAL SLOPE BE LESS THAN 1/8-INCH PER FOOT. MAXIMUM LATERAL SLOPE SHALL BE 1 TO 1.

7. END PLUGS OR STOPPERS FOR THE ENDS OF LATERALS AND BRANCH FITTINGS SHALL BE PROVIDED.

8. 2x4'S SHALL BE PLACED AT ALL LATERALS ENDS SO THAT ONE PROTRUDES 12 INCHES ABOVE FINISHED GRADE AND ONE IS LOCATED IN THE GROUND AT THE END OF THE LATERAL. 2x4'S SHALL BE PAINTED FLOURESCENT ORANGE. 2x4'S SHALL EACH BE AT LEAST 4 FT. LONG.

9. BAR STEEL REINFORCEMENT SHALL BE IMBEDDED 1 1/2-INCH CLEAR MINIMUM.

10. THE TOP OF ANY MANHOLE STRUCTURE SHALL BE LEFT SUFFICIENTLY LOW TO PERMIT PROPER ADJUSTMENT OF COVER TO GRADE.

11. INSTALL DOUBLE RISERS WHERE SHOWN ON THE DRAWINGS OR SPECIFIED.

12. STANDARD LATERALS AND MODIFIED LATERALS SHALL BE CONSTRUCTED OF MATERIAL AS SPECIFIED.

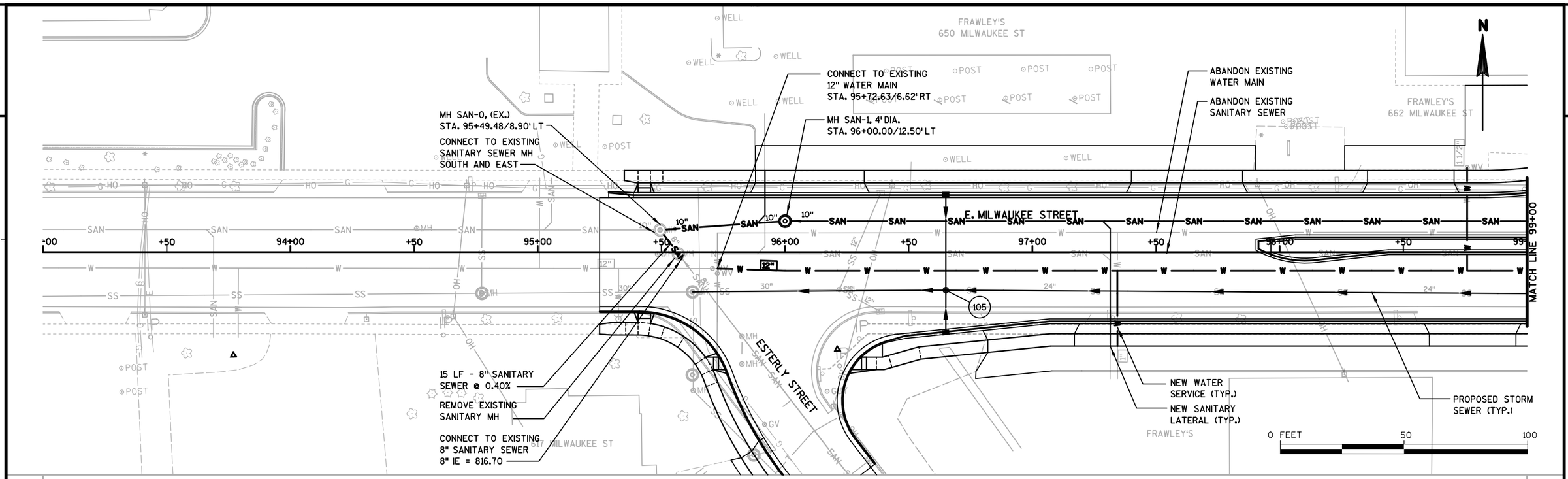
13. RISERS AND LATERALS FROM RISERS SHALL BE CONSTRUCTED OF DUCTILE IRON. FITTINGS FOR RISERS AND LATERALS FROM RISERS SHALL BE GRAY IRON OR DUCTILE IRON.

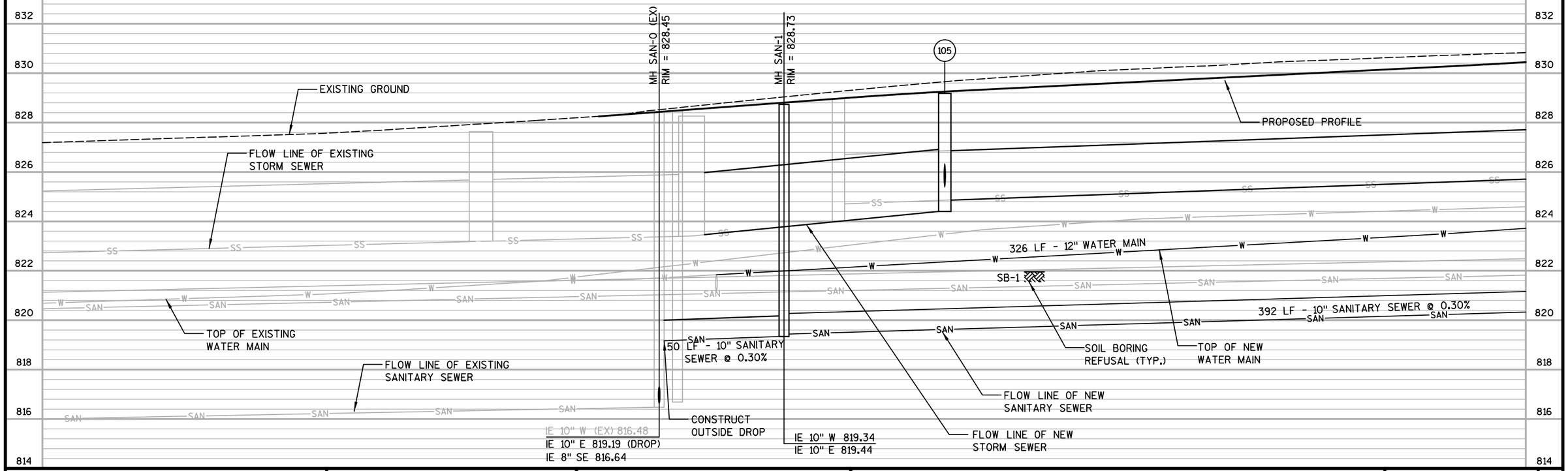
14. FLAGGING SHALL BE 4-INCH WIDE STANDARD ORANGE VINYL TAPE. TIE FLAGGING AROUND END OF ALL LATERALS AND EXTEND UNBROKEN TO FINISHED GRADE DIRECTLY ABOVE ENDS OF LATERALS.

15. STONE BEDDING SHALL BE USED AROUND AND TO ONE FT. ABOVE TOP OF ALL SEWER MAINS AT LATERAL CONNECTIONS. PROVIDE BEDDING AS SPECIFIED ELSEWHERE.

SANITARY SEWER LATERALS

2





PROJECT NO: 3110-06-71	HWY: STH 59	COUNTY: WALWORTH	SANITARY SEWER AND WATER MAIN	SHEET 6 E

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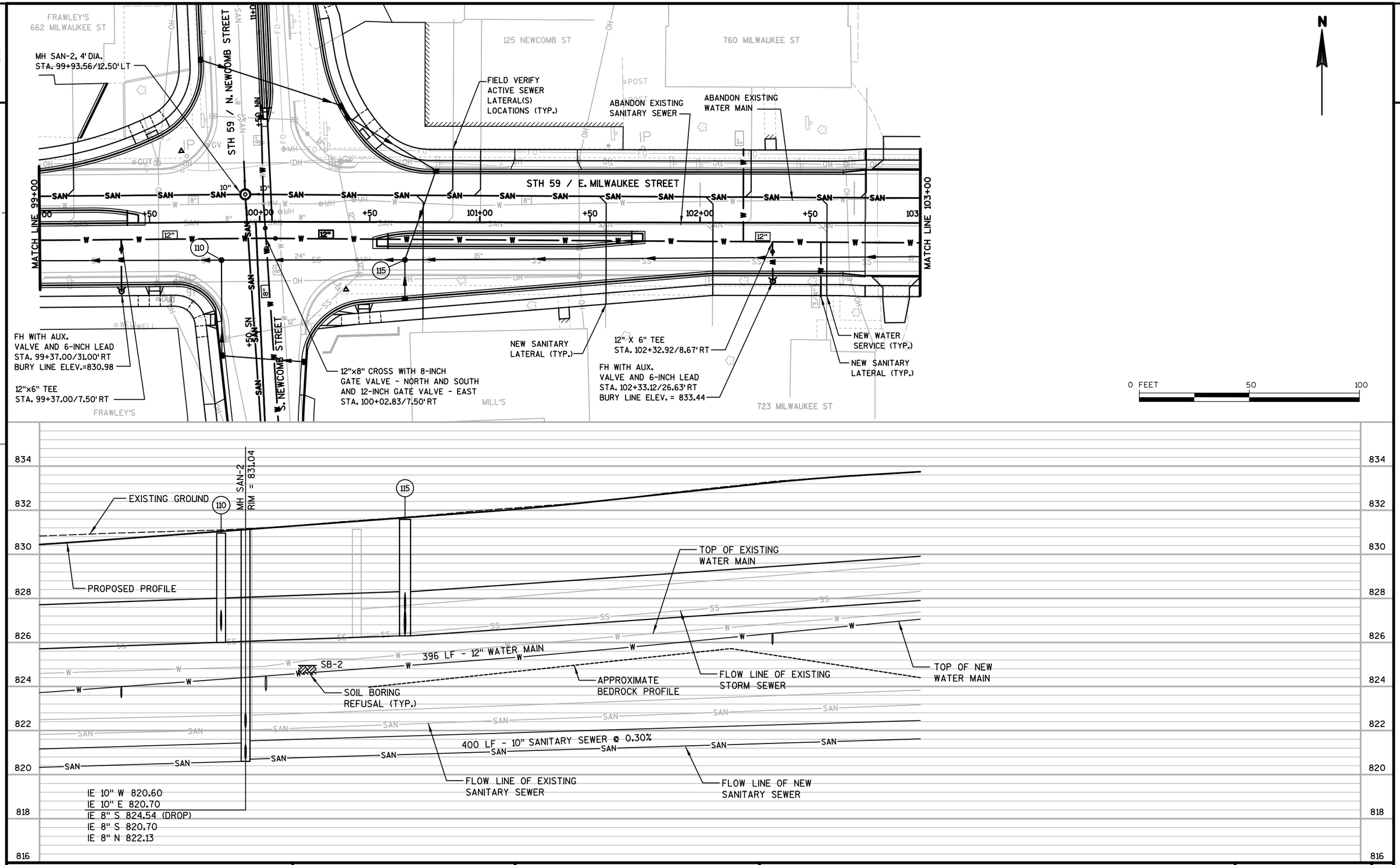
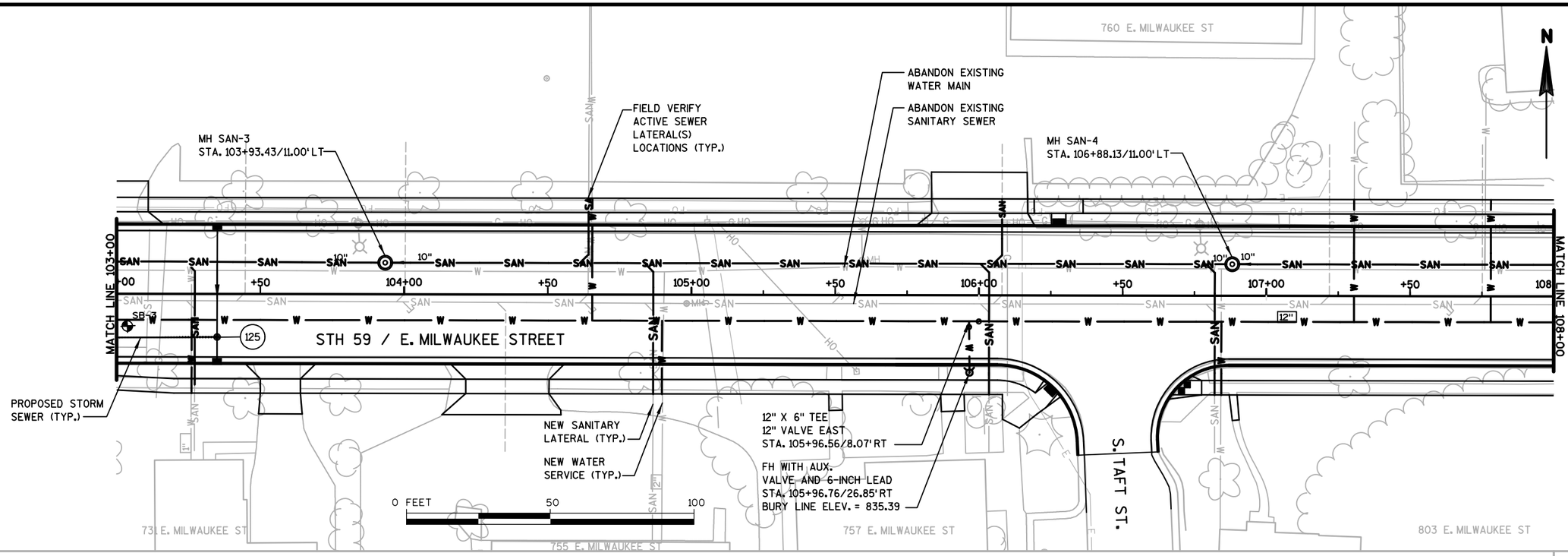
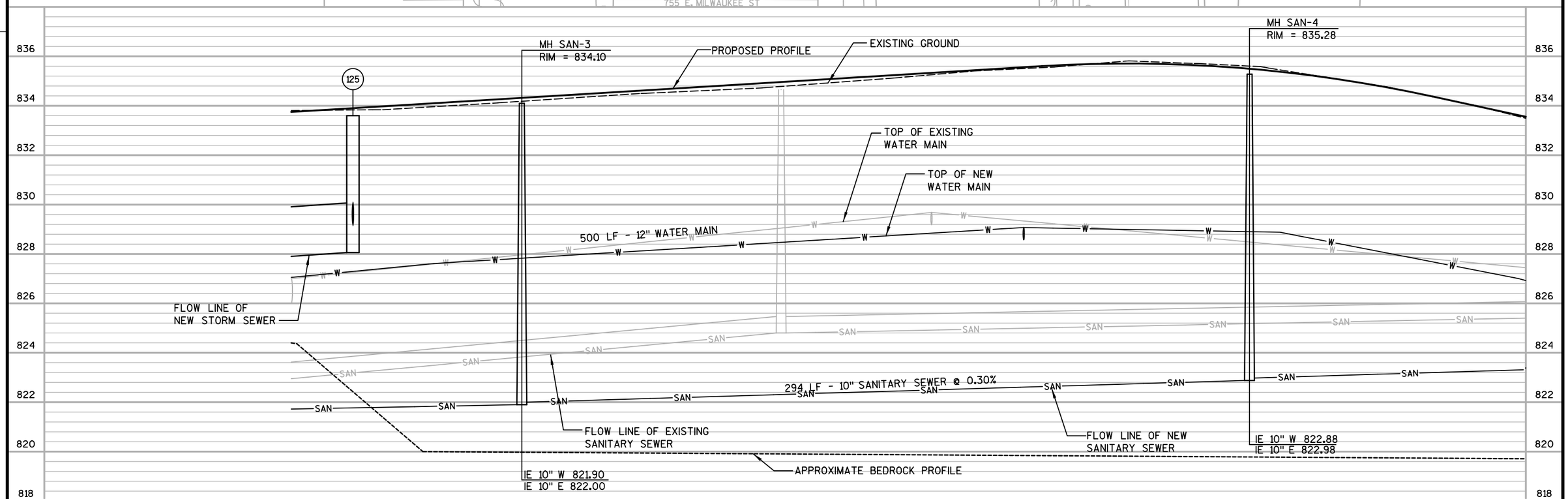


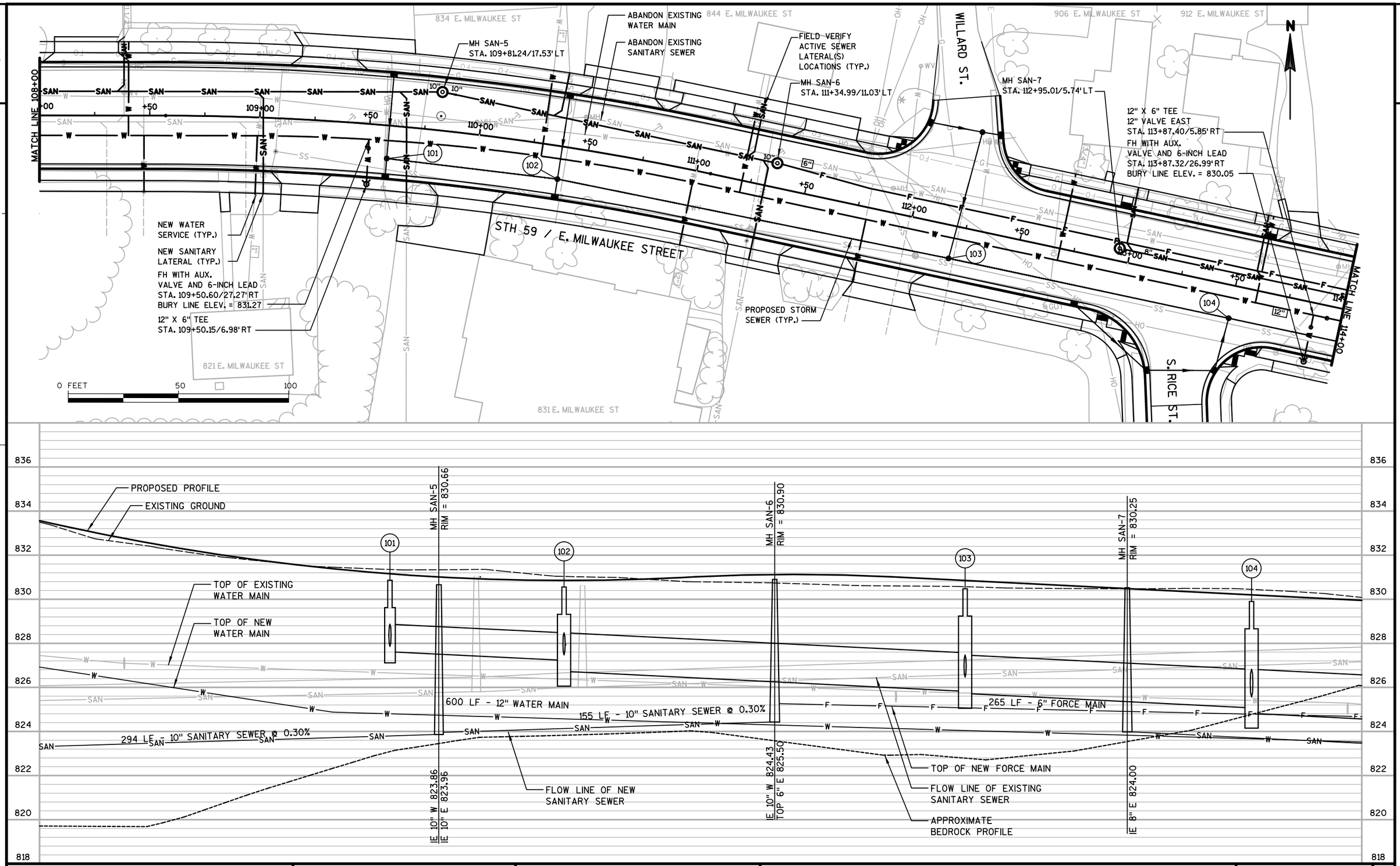
PROJECT NO: 3110-06-71	HWY: STH 59	COUNTY: WALWORTH	SANITARY SEWER AND WATER MAIN	SHEET 7	E

2





PROJECT NO: 3110-06-71	HWY: STH 59	COUNTY: WALWORTH	SANITARY SEWER AND WATER MAIN	SHEET 8	E



PROJECT NO: 3110-06-71	HWY: STH 59	COUNTY: WALWORTH	SANITARY SEWER AND WATER MAIN	SHEET E

FILE NAME : S:\MAD\1400--1499\1407\701\Milwaukee and Newcomb\Micros\PLAN\023004_up.dgn PLOT DATE : 3/23/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 41

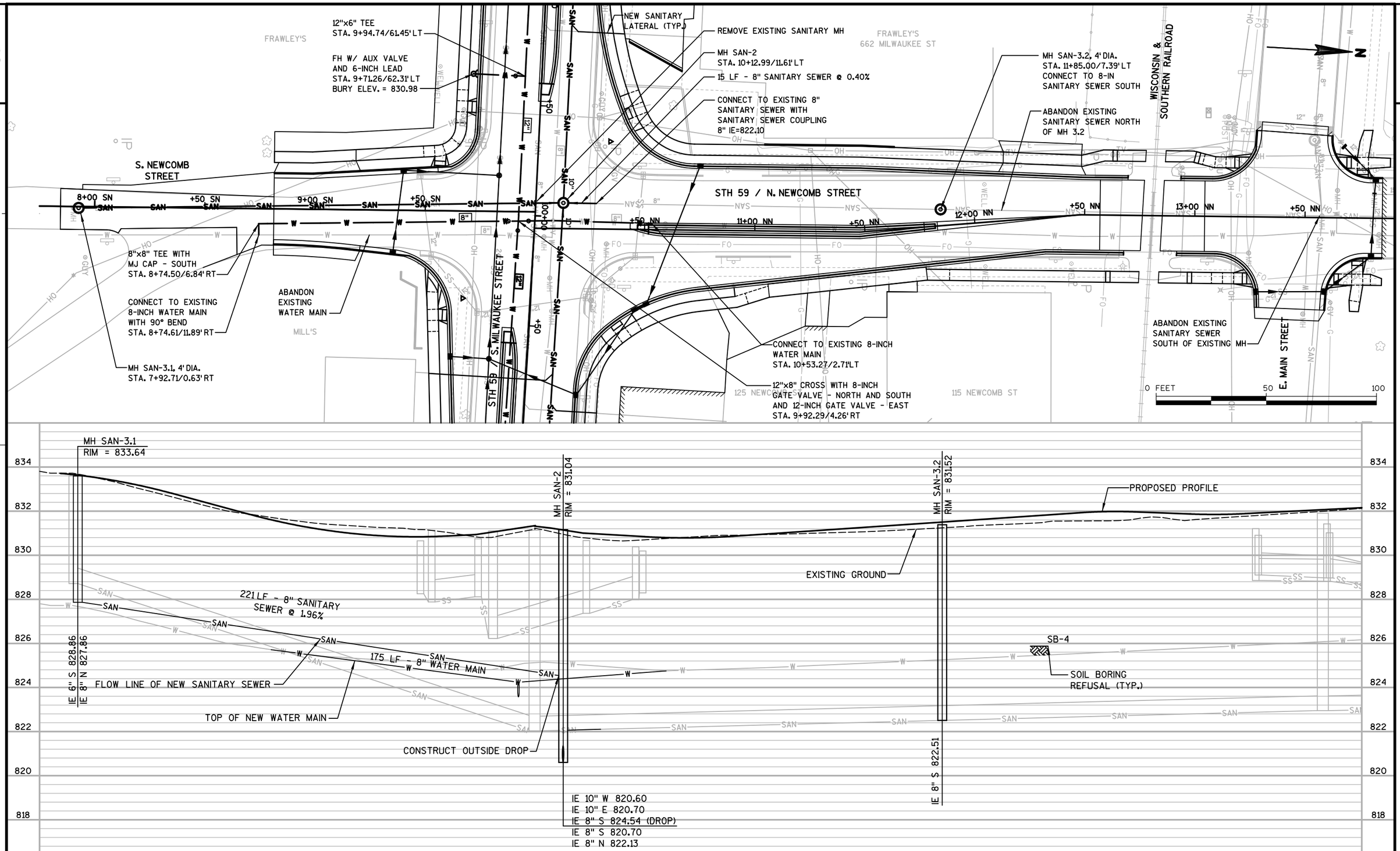
NEW SANITARY LATERAL (TYP.)
NEW WATER SERVICE (TYP.)
ABANDON EXISTING SANITARY SEWER
ABANDON EXISTING WATER MAIN
ABANDON EXISTING FORCE MAIN
CONNECT NEW FM TO EXISTING PUMPING STATION TOP ELEV. = 824.11
6" BEND STA.116+36.58/40.17'LT
6" BEND STA.116+13.79/8.55'LT
CONNECT NEW 8" SEWER TO EXISTING PUMPING STATION
CONNECT TO EXISTING 8" SANITARY SEWER 8" IE= 817.00
29 LF 8" SANITARY SEWER @ 0.40%
19 LF 8" SANITARY SEWER @ 0.40%
CONNECT TO EXISTING 8" WATER MAIN
FH WITH AUX. VALVE AND 6-INCH LEAD STA. 118+96.50/26.77'LT BURY LINE ELEV. = 831.33
12" X 6" TEE 12" VALVE EAST STA. 119+00.77/15.49'LT
CONNECT TO EXISTING 8" WATER MAIN STA. 119+60.23/85.52'LT
MH SAN-10 STA. 119+57.94/86.82'LT
CONNECT TO EXISTING SANITARY SEWER EAST
12" BEND STA.119+43.38/40.56'LT
BLUFF RD.
MATCH LINE 114+00
STH 59 / E. MILWAUKEE STREET
920 E. MILWAUKEE ST
928 E. MILWAUKEE ST
960 E. MILWAUKEE ST
917 E. MILWAUKEE ST
953 E. MILWAUKEE ST
204 E. MILWAUKEE ST
12" X 6" TEE STA. 116+05.17/5.53'RT
FH WITH AUX. VALVE AND 6-INCH LEAD STA. 116+05.17/26.86'RT BURY LINE ELEV. = 828.96
MH SAN-8 STA. 116+47.71/5.50'LT
MH SAN-9 STA. 116+59.05/5.50'LT
56 LF 8" SANITARY SEWER @ 0.40%
CONNECT TO EXISTING 8" SANITARY SEWER 8" IE= 815.73
PROPOSED STORM SEWER (TYP.)
12" X 8" CROSS 8" VALVE NORTH AND SOUTH STA. 116+93.92/5.50'RT
8" BEND STA. 116+93.99/32.02'RT
CONNECT TO EXISTING 8" WATER MAIN
FIELD VERIFY ACTIVE SEWER LATERAL(S) LOCATIONS (TYP.)
0 FEET 50 100

105 106 107 108 109 110 111

EXISTING GROUND
PROPOSED PROFILE
MH SAN-8 RIM = 828.58
MH SAN-9 RIM = 828.56
MH SAN-10 RIM = 831.52
235 LF - 6" FORCE MAIN
350 LF - 8" SANITARY SEWER @ 0.50%
600 LF - 12" WATER MAIN
TOP OF NEW FORCE MAIN
FLOW LINE OF NEW SANITARY SEWER
APPROXIMATE BEDROCK PROFILE
CONSTRUCT OUTSIDE DROP
IE 8" W 822.25 (DROP)
IE 8" E 815.30
IE 8" N 815.20
IE 8" W 815.40
IE 8" E 820.30 (DROP)
IE 8" N 816.90
IE 8" S 815.50
CONSTRUCT OUTSIDE DROP
TOP OF EXISTING WATER MAIN
TOP OF NEW WATER MAIN
INSULATE WATER MAIN
OFFSET WATER MAIN TO PROVIDE MIN. 18" VERT. CLEARANCE BETWEEN STORM SEWER AND WATER MAIN
340 LF - 8" SANITARY SEWER @ 0.50%
FLOW LINE OF EXISTING SANITARY SEWER
IE 8" W 822.0
IE 8" E 824.30 (EX)

832 830 828 826 824 822 820 818 816 814

PROJECT NO: 3110-06-71	HWY: STH 59	COUNTY: WALWORTH	SANITARY SEWER AND WATER MAIN	SHEET 10	E



PROJECT NO: 3110-06-71	HWY: STH 59	COUNTY: WALWORTH	SANITARY SEWER AND WATER MAIN	SHEET 11 E

3110-06-71

Line	Item	Item Description	Unit	Total	Qty
0002	108.4400	CPM Progress Schedule	EACH	0.200	0.200
0074	205.0501.S	Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	TON	1,955.000	1,955.000
0256	619.1000	Mobilization	EACH	0.200	0.200
0344	642.5401	Field Office Type D	EACH	0.200	0.200
0490	SPV.0060	Special 03. Connect to Existing Water Main	EACH	6.000	6.000
0492	SPV.0060	Special 04. Connect to Existing Water Service	EACH	23.000	23.000
0494	SPV.0060	Special 05. Water Service Corporation, Curb Stop, and Box, 1-Inch	EACH	13.000	13.000
0496	SPV.0060	Special 06. Water Service Corporation, Curb Stop, and Box, 1 1/2-Inch	EACH	1.000	1.000
0498	SPV.0060	Special 07. Water Service Corporation, Curb Stop, and Box, 2-Inch	EACH	9.000	9.000
0500	SPV.0060	Special 08. Fire Hydrant with Auxiliary Valve and 6-Inch Lead	EACH	7.000	7.000
0502	SPV.0060	Special 09. Water Main Gate Valve and Valve Box, 8-Inch	EACH	3.000	3.000
0504	SPV.0060	Special 10. Water Main Gate Valve and Valve Box, 12-Inch	EACH	5.000	5.000
0506	SPV.0060	Special 11. Utility Line Opening (ULO)	EACH	4.000	4.000
0508	SPV.0060	Special 12. Bentonite Clay Dam	EACH	6.000	6.000
0510	SPV.0060	Special 13. Fluorocarbon Water Main Gasket, Mechanical 12-Inch	EACH	25.000	25.000
0512	SPV.0060	Special 14. Fluorocarbon Water Main Gasket, Mechanical 8-Inch	EACH	10.000	10.000
0514	SPV.0060	Special 15. Fluorocarbon Water Main Gasket, Mechanical 6-Inch	EACH	10.000	10.000
0516	SPV.0060	Special 16. Fluorocarbon Water Main Gasket, Slip 12-Inch	EACH	10.000	10.000
0518	SPV.0060	Special 17. Fluorocarbon Water Main Gasket, Slip 8-Inch	EACH	10.000	10.000
0520	SPV.0060	Special 18. Nitrile Water Main Gasket, Mechanical 12-Inch	EACH	5.000	5.000
0522	SPV.0060	Special 19. Nitrile Water Main Gasket, Mechanical 8-Inch	EACH	5.000	5.000
0524	SPV.0060	Special 20. Nitrile Water Main Gasket, Mechanical 6-Inch	EACH	5.000	5.000
0526	SPV.0060	Special 21. Nitrile Water Main Gasket, Slip 12-Inch	EACH	5.000	5.000
0528	SPV.0060	Special 22. Nitrile Water Main Gasket, Slip 8-Inch	EACH	5.000	5.000
0530	SPV.0060	Special 23. Connect to Existing Sanitary Main or Manhole	EACH	5.000	5.000
0532	SPV.0060	Special 24. Connect to Existing Sanitary Sewer Lateral	EACH	27.000	27.000
0534	SPV.0060	Special 25. Sanitary Sewer Manhole, 4-Foot Diameter	EACH	13.000	13.000

Line	Item	Item Description	Unit	Total	Qty
0536	SPV.0060	Special 26. Construct Outside Drop	EACH	4.000	4.000
0538	SPV.0060	Special 27. Adjust Sanitary Manhole Cover	EACH	2.000	2.000
0560	SPV.0090	Special 11. Water Service Copper, 1-Inch	LF	420.000	420.000
0562	SPV.0090	Special 12. Water Service Copper, 1 1/2-Inch	LF	42.000	42.000
0564	SPV.0090	Special 13. Water Service Copper, 2-Inch	LF	340.000	340.000
0566	SPV.0090	Special 14. Water Main, Ductile Iron (DI), 8-Inch	LF	266.000	266.000
0568	SPV.0090	Special 15. Water Main, Ductile Iron (DI), 12-Inch	LF	2,438.000	2,438.000
0570	SPV.0090	Special 16. Water Main Insulation	LF	20.000	20.000
0572	SPV.0090	Special 17. Water Main Rock Excavation	LF	2,023.000	2,023.000
0574	SPV.0090	Special 18. Sanitary Lateral, 4-Inch	LF	100.000	100.000
0576	SPV.0090	Special 19. Sanitary Lateral, 6-Inch	LF	993.000	993.000
0578	SPV.0090	Special 20. Sanitary Sewer, PVC, SDR 35 8-Inch	LF	1,032.000	1,032.000
0580	SPV.0090	Special 21. Sanitary Sewer, PVC, SDR 35 10-Inch	LF	1,565.000	1,565.000
0582	SPV.0090	Special 22. Sanitary Force Main, PVC, C900 6-Inch	LF	523.000	523.000
0584	SPV.0090	Special 23. Sanitary Sewer Rock Excavation	LF	2,238.000	2,238.000
0586	SPV.0090	Special 24. Granular Backfill, Sanitary Sewer and Force Main	LF	3,591.000	3,591.000
0588	SPV.0090	Special 25. Granular Backfill, Water Main	LF	3,620.000	3,620.000
0596	SPV.0105	Special 04. Abandon Existing Water Main	LS	1.000	1.000
0598	SPV.0105	Special 05. Abandon Existing Sanitary Sewer	LS	1.000	1.000

EXCAVATION, HAULING,, AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL

CATEGORY	STATION	LOCATION	205.0501.S TON
0010 WATER	96+00 - 98+00	RT	260
	98+00 - 100+00	RT/LT	170
	100+00 - 101+95	RT	240
	101+95 - 102+60	RT	130
		SUBTOTAL (0010)	800
0020 SAN	96+00 - 98+00	RT	35
	96+00 - 98+00	LT	270
	98+00 - 100+00	RT/LT	220
	100+00 - 101+95	RT/LT	410
	101+95 - 102+60	RT/LT	150
	102+60 - 103+10	LT	70
		SUBTOTAL (0020)	1,155
		TOTAL	1,955

ADJUST SANITARY MANHOLE COVER

CATEGORY	STATION	OFFSET	SPV.0060.27 EACH
0020 SAN	95+50	8.9'LT	1
	13+58	0.8'LT	1
		TOTAL	2

SANITARY FORCE MAIN

CATEGORY	FROM STRUCTURE	TO STRUCTURE	SPV.0090.22 SANITARY FORCE MAIN, PVC, C900 6-INCH LF
0020 SAN	MH SAN-6	PUMPING STATION	523

BENTONITE CLAY DAM

CATEGORY	LOCATION	SPV.0060.12 EACH
0010 WATER	UNDISTRIBUTED	6

MOBILIZATION

PROJECT	CATEGORY	619.1000 EACH
3110-06-71	0010	0.1
	0020	0.1
	TOTAL	0.2

FIELD OFFICE TYPE D

PROJECT	CATEGORY	642.5401 EACH
3110-06-71	0010	0.1
	0020	0.1
	TOTAL	0.2

SANITARY SEWER MANHOLE SUMMARY

CATEGORY	STRUCTURE	STATION	OFFSET	SPV.0060.25 SANITARY SEWER MANHOLE, (4-FOOT DIAMETER) EACH	SPV.0060.26 CONSTRUCT OUTSIDE DROP EACH
0020 SAN	MH SAN-0	95+50	8.9'LT	1	1
	MH SAN-1	96+00	12.5'LT	1	---
	MH SAN-2	99+94	12.5'LT	1	1
	MH SAN-3.1	7+93	0.6'RT	1	---
	MH SAN-3.2	11+85	7.39'LT	1	---
	MH SAN-0	95+50	8.90'LT	---	---
	MH SAN-3	103+93	11.0'LT	1	---
	MH SAN-4	106+88	11.0'LT	1	---
	MH SAN-5	109+81	17.5'LT	1	---
	MH SAN-6	111+35	11.0'LT	1	---
	MH SAN-7	112+95	11.7'LT	1	---
	MH SAN-8	116+48	11.0'LT	1	1
	MH SAN-9	116+59	11.0'LT	1	1
	MH SAN-10	119+58	86.8'LT	1	---
	PUMP STATION	116+43	40.5'LT	---	---
	PUMP STATION	116+48	36.6'LT	---	---
	TOTALS			13	4

FLUOROCARBON WATER MAIN GASKET

CATEGORY	LOCATION	SPV.0060.13 MECHANICAL 12-INCH EACH	SPV.0060.14 MECHANICAL 8-INCH EACH	SPV.0060.15 MECHANICAL 6-INCH EACH	SPV.0060.16 SLIP 12-INCH EACH	SPV.0060.17 SLIP 8-INCH EACH
0010 WATER	UNDISTRIBUTED	25	10	10	10	10

NITRILE WATER MAIN GASKET

CATEGORY	LOCATION	SPV.0060.18 MECHANICAL 12-INCH EACH	SPV.0060.19 MECHANICAL 8-INCH EACH	SPV.0060.20 MECHANICAL 6-INCH EACH	SPV.0060.21 SLIP 12-INCH EACH	SPV.0060.22 SLIP 8-INCH EACH
0010 WATER	UNDISTRIBUTED	5	5	5	5	5

GRANULAR BACKFILL, SANITARY SEWER AND FORCE MAIN

CATEGORY	LOCATION	SPV.0090.24 LF
0020 SAN	UNDISTRIBUTED	3,591

GRANULAR BACKFILL, WATER MAIN

CATEGORY	LOCATION	SPV.0090.25 LF
0010 WATER	UNDISTRIBUTED	3,620

SANITARY SEWER MAIN SUMMARY

CATEGORY	FROM STRUCTURE	TO STRUCTURE	SPV.0090.20 SANITARY SEWER, PVC, SDR 35 8-INCH LF	SPV.0090.21 SANITARY SEWER, PVC, SDR 35 10-INCH LF	SPV.0060.23 CONNECT TO EXISTING SANITARY MAIN OR MANHOLE EACH
0020 SAN	MH-SAN-0	EXISTING	12	---	1
	MH-SAN-3.1	MH-SAN-2	215	---	---
	MH-SAN-2	MH-SAN-3.2	---	---	1
	MH-SAN-2	EXISTING	13	---	1
	MH-SAN-0	MH-SAN-1	---	46	---
	MH-SAN-1	MH-SAN-2	---	389	---
	MH-SAN-2	MH SAN-3	---	398	---
	MH SAN-3	MH SAN-4	---	291	---
	MH SAN-4	MH SAN-5	---	291	---
	MH SAN-5	MH SAN-6	---	151	---
	MH SAN-7	MH SAN-8	349	---	---
	MH SAN-8	MH SAN-9	7	---	---
	MH SAN-9	MH SAN-10	338	---	---
	MH SAN-8	PUMP STATION	24	---	---
	MH SAN-9	EXISTING	56	---	1
	MH SAN-9	EXISTING	19	---	1
	TOTALS		1,032	1,565	5

SANITARY SEWER LATERAL SUMMARY

CATEGORY	STATION	LATERAL DIRECTION	SPV.0090.18 SANITARY LATERAL, 4-INCH LF	SPV.0090.19 SANITARY LATERAL, 6-INCH LF	SPV.0060.24 CONNECT TO EXISTING SANITARY SEWER LATERAL EACH
0020 SAN	95+89	NORTH	---	22	1
	97+32	SOUTH	---	52	1
	99+13	NORTH	---	25	1
	100+71	SOUTH	---	57	1
	100+85	NORTH	---	22	1
	100+97	NORTH	---	22	1
	101+54	SOUTH	---	50	1
	102+03	SOUTH	---	46	1
	102+20	NORTH	---	23	1
	102+55	SOUTH	---	45	1
	103+24	SOUTH	---	47	1
	104+61	NORTH	---	24	1
	104+84	SOUTH	---	47	1
	106+01	SOUTH	---	47	1
	106+05	NORTH	---	24	1
	106+79	SOUTH	---	47	1
	108+35	NORTH	---	24	1
	108+98	SOUTH	---	48	1
	109+62	SOUTH	---	52	1
	110+32	NORTH	---	22	1
	111+21	NORTH	---	29	1
	111+28	SOUTH	---	47	1
	113+00	NORTH	---	30	1
	113+61	NORTH	---	30	1
	114+16	NORTH	---	30	1
	117+06	NORTH	---	26	1
	118+46	SOUTH	---	55	1
	UNDISTRIBUTED		100	---	---
	TOTALS		100	993	27

WATER MAIN INSULATION

CATEGORY	LOCATION	SPV.0090.16 LF
0010 WATER	UNDISTRIBUTED	20

SANITARY SEWER ROCK EXCAVATION

CATEGORY	STATION - STATION	LOCATION	SPV.0090.23 LF
0020 SAN	9+45 - 10+00	LT	56
	10+00 - 10+30	LT	25
	95+51 - 102+75	LT	730
	97+29	LT/RT	17
	100+71	LT/RT	17
	101+57	LT/RT	17
	102+06	LT/RT	17
	102+58	LT/RT	18
	102+75 - 103+39	LT	64
	103+27	LT/RT	18
	109+66 - 111+18	LT	148
	109+67	LT/RT	18
	110+33	LT	18
	112+96 - 115+81	LT	286
	113+01	LT	9
	113+61	LT	9
	114+16	LT	10
	116+47 - 119+52	LT	467
	112+87 - 115+81	LT	294
	TOTAL		2,238

WATER MAIN DUCTILE IRON (DI) PIPE SUMMARY

CATEGORY	FROM STRUCT./STA.	TO STRUCT./LOC	SPV.0090.14 WATER MAIN, DUCTILE IRON (DI), 8-INCH LF	SPV.0090.15 WATER MAIN, DUCTILE IRON (DI), 12-INCH LF	SPV.0060.03 CONNECT TO EXISTING WATER MAIN EACH
0010 WATER	95+73	99+37	---	364	1
	99+37	100+03	---	66	---
	8+75	EXISTING VALVE	134	---	---
	EXISTING VALVE	CONNECTION	44	---	---
	100+03	102+33	---	230	2
	102+33	102+75	---	42	0
	102+75	105+97	---	322	0
	105+97	109+50	---	353	0
	109+50	113+87	---	436	0
	113+87	116+00	---	213	0
	116+00	116+94	---	94	0
	116+94	EXISTING	40	---	---
	116+94	116+96	---	2	0
	116+94	EXISTING	47	---	2
	116+94	119+01	---	212	---
	119+01	CONNECTION	---	103	1
	TOTALS		266	2,438	6

WATER MAIN ROCK EXCAVATION

CATEGORY	STATION - STATION	LOCATION	SPV.0090.17 LF
0010 WATER	8+79 - 10+00	RT	123
	10+00 - 10+53	RT	60
	95+74 - 101+02	RT	530
	98+76	LT/RT	16
	99+37	RT	24
	109+70 - 115+85	RT	616
	110+29	LT/RT	12
	111+21	LT/RT	16
	112+69	LT/RT	17
	113+60	LT/RT	19
	113+87	RT	20
	114+15	LT/RT	20
	114+95	LT/RT	24
	116+00	RT	21
	116+63 - 119+60	LT/RT	430
	116+94	LT/RT	25
	118+99	RT	38
	119+00	LT	12
	TOTAL		2,023

FIRE HYDRANT WITH AUXILIARY VALVE AND 6-INCH LEAD

CATEGORY	STATION	OFFSET	SPV.0060.08 EACH
0010 WATER	99+37	31.0' RT	1
	102+33	26.6' RT	1
	105+97	26.9' RT	1
	109+50	7.0' RT	1
	113+87	27.0' RT	1
	116+00	26.9' RT	1
	118+97	26.8' LT	1
	TOTAL		7

WATER MAIN GATE VALVE AND VALVE BOX

CATEGORY	STATION	OFFSET	SPV.0060.09 8-INCH EACH	SPV.0060.10 12-INCH EACH
0010 WATER	100+02	2.9' RT	---	1
	100+03	12.0' RT	---	---
	102+33	13.4' RT	---	1
	106+00	9.0' RT	---	1
	113+94	5.6' RT	---	1
	116+94	0.4' RT	1	---
	116+96	11.0' RT	1	---
	119+00	18.5' LT	1	---
	119+03	16.5' LT	---	1
	TOTALS		3	5

ABANDON EXISTING WATER MAIN

CATEGORY	SPV.0105.04 LS
0010 WATER	1

ABANDON EXISTING SANITARY SEWER

CATEGORY	SPV.0105.05 LS
0020 SAN	1

UTILITY LINE OPENING (ULO)

CATEGORY	LOCATION	SPV.0060.11 EACH
0010 WATER	UNDISTRIBUTED	4

WATER SERVICES SUMMARY

CATEGORY	STATION	LATERAL DIRECTION	SPV.0090.11 WATER SERVICE COPPER 1-INCH LF	SPV.0090.12 WATER SERVICE COPPER 1 1/2-INCH LF	SPV.0090.13 WATER SERVICE COPPER 2-INCH LF	SPV.0060.05 WATER SERVICE CORPORATION, CURB STOP, AND BOX 1-INCH EACH	SPV.0060.06 WATER SERVICE CORPORATION, CURB STOP, AND BOX 1 1/2-INCH EACH	SPV.0060.07 WATER SERVICE CORPORATION, CURB STOP, AND BOX 2-INCH EACH	SPV.0060.04 CONNECT TO EXISTING WATER SERVICE EACH
0010 WATER	97+34	SOUTH	31	---	---	1	---	---	1
	98+76	NORTH	0	---	42	---	---	1	1
	102+20	NORTH	42	---	---	1	---	---	1
	102+55	SOUTH	25	---	---	1	---	---	1
	103+26	SOUTH	26	---	---	1	---	---	1
	104+65	NORTH	---	---	43	---	---	1	1
	104+90	SOUTH	---	---	26	---	---	1	1
	106+84	SOUTH	26	---	---	1	---		1
	107+31	NORTH	---	---	43	---	---	1	1
	107+78	NORTH	---	---	43	---	---	1	1
	108+40	NORTH	---	42	*	---	1	---	1
	108+47	SOUTH	26	---	---	1	---	---	1
	108+99	SOUTH	27	---	---	1	---	---	1
	110+29	NORTH	39	---	---	1	---	---	1
	110+99	SOUTH	---	---	29	---	---	1	1
	111+21	NORTH	---	---	39	---	---	1	1
	111+80	SOUTH	29	---	---	1	---	---	1
	112+68	NORTH	40	---	---	1	---	---	1
	113+60	NORTH	40	---	---	1	---	---	1
	114+15	NORTH	---	---	40	---	---	1	1
	114+95	NORTH	40	---	---	1	---	---	1
	117+24	NORTH	29	---	---	1	---	---	1
	118+57	NORTH	---	---	35	---	---	1	1
	TOTALS		420	42	340	13	1	9	23

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