GRE | FEBRUARY 2024

PROJECT ID: 4985-00-62

WITH: N/A

COUNTY: BROWN

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 = 316



N

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

C DEPERE, LAWRENCE DRIVE

FORTUNE AVENUE - SCHEURING ROAD

LOCAL STREET

BROWN

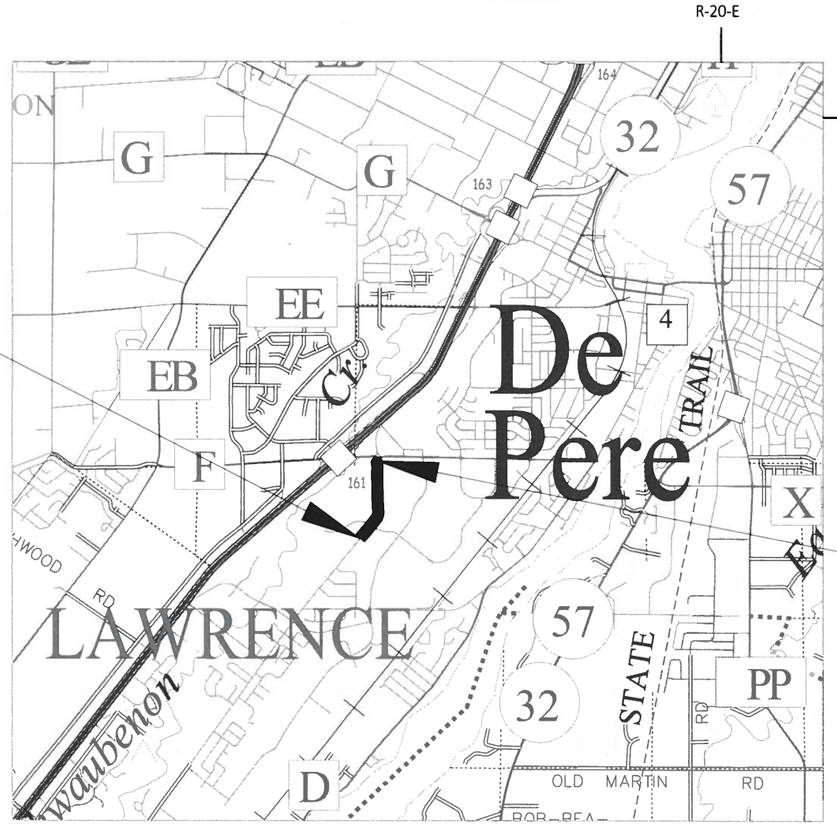
STATE PROJECT NUMBER
4985-00-62

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
4985-00-62	WISC 2024232	1

DESIGN DESIGNATION 4985-00-61

A.A.D.T.	2024	=	9,900
A.A.D.T.	2044	=	10,700
D.H.V.		=	11.6%
D.D.		=	59/41
T.		=	8.0%
DESIGN SPEED		=	30 MPH SOUTH OF FORTUNE AVE / 40 MPH NORTH OF FORTUNE AVE
ESALS		=	3,100,000

BEGIN PROJECT
STA 76+58.74
Y=533,823.316
X=75,194.398



END PROJECT
STA 105+80.43
Y=536527.605
X=75787.021

LAYOUT

SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 0.553 MILES

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

ELEVATIONS ARE REFERENCED TO NAVD 88 (1991). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 18

CONVENTIONAL SYMBOLS

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

ACCEPTED FOR
CITY OF DE PERE

Date 10/25/23 E. P. Rakers
ERIC RAKERS, P.E; CITY ENGINEER

ORIGINAL PLANS PREPARED BY

Mead & Hunt
1702 Lawrence Dr
De Pere, WI 54115
phone: 920-496-0500
meadhunt.com

WISCONSIN PROFESSIONAL ENGINEER
Charles A. KAROW E-29429 Green Bay, WI

DATE: 10/25/2023 Charles A Karow
(Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	MEAD & HUNT INC.
Designer	MEAD & HUNT INC.
Project Manager	DOUG KIRST, PE
Regional Examiner	REGIONAL EXAMINER
Regional Supervisor	BRIAN EDWARDS, PE

APPROVED FOR THE DEPARTMENT

DATE: 10/30/23 (Signature)

E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\010101_TI.DWG

PLOT DATE : 10/10/2023 9:23 AM

PLOT BY : VERONIKA BYRA

PLOT NAME :

2

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.

UNLESS INDICATED OTHERWISE, ALL STATIONS AND OFFSET DISTANCES SHOWN ARE FROM THE NORTHBOUND REFERENCE LINE.

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

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

CONSTRUCT INSIDE EDGE OF SIDEWALK 0.04' HIGHER THAN TOP OF CURB WHEN THEY ARE ADJACENT TO EACH OTHER.

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

CURVE DATA IS BASED ON THE ARC DEFINITION.

SAWCUTS, AS SHOWN ON THE PLANS, ARE SUGGESTED LOCATIONS AND MAY BE ADJUSTED AT THE DISCRETION OF THE ENGINEER TO BETTER SUIT FIELD CONDITIONS.

ANY MESH MATERIAL THAT IS FOUND IN EXISTING PAVEMENT WILL BE INCIDENTAL TO THE REMOVAL OF THE PAVEMENT ITEM IN THAT SECTION. EXISTING PAVEMENT DEPTHS ARE BASED ON AS-BUILT DATA AND MAY VARY IN THE FIELD.

THE LIMITS OF EBS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE COST OF CONNECTING NEW STORM SEWERS OR DRAINAGE STRUCTURES TO THE EXISTING STORM SEWER SHALL BE INCIDENTAL TO THE COST OF THE STORM SEWER.

INLET GRATE ELEVATIONS REFERRED TO ON INLET NOTES ARE GRATE FLOW LINE ELEVATIONS.

IMMEDIATELY AFTER CONSTRUCTION OF ANY INLET, THE CONTRACTOR SHALL CONSTRUCT THE EROSION CONTROL PROTECTION IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS TO MINIMIZE SEDIMENTATION IN THE INLET AND STORM SEWER.

THE EXACT LOCATIONS AND LIMITS OF PRIVATE AND FIELD ENTRANCES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

CONCRETE DRIVEWAY, 8-INCH PAVEMENT SHALL BE CONSTRUCTED OVER 8-INCHES OF BASE AGGREGATE DENSE.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

PURSUANT TO CHAPTER 59 OF THE WISCONSIN STATUTES, THE CONTRACTOR SHALL CAREFULLY MAKE A SEARCH FOR EVIDENCE OF A LANDMARK IN ALL AREAS WHERE SUCH A LANDMARK MAY EXIST.

WORK WITH UTMOST CARE AND PROTECT ALL SURVEY MARKERS. REMOVAL OF ANY SURVEY MARKER IS TO BE WITH THE APPROVAL OF THE ENGINEER.

UTILITIES CONTACTS

AT&T WISCONSIN
COMMUNICATIONS
KYLE WEBER
221 W WASHINGTON ST
APPLETON, WI 54911
PHONE: 920-221-5969
EMAIL: KW715W@ATT.COM

CENTRAL BROWN COUNTY WATER AUTHORITY
WATER
ZACH PETHAN
1303 S. 8TH ST
MANITOWOC, WI 54220
PHONE: 920-686-4244
EMAIL: ZPETHAN@MPU.ORG

CENTURY LINK
COMMUNICATIONS
RYAN BIRDSALL
710 E MIFFLIN ST
MADISON, WI 53703
PHONE: 608-658-2899
EMAIL: RYAN.BIRDSALL@LUMEN.COM

CHARTER COMMUNICATIONS
COMMUNICATIONS
GEOFF TULACHKA
2580 W MASON ST
GREEN BAY, WI 54303
PHONE: 920-213-9400
EMAIL: GEOFF.TULACHKA@CHARTER.COM

CITY OF DE PERE PUBLIC WORKS
ELECTRICAL (STREET LIGHTING & TRAFFIC SIGNALS)
TOM BLOHOWIAK
925 S. SIXTH ST
DE PERE, WI 54115
PHONE: 920-639-1336
EMAIL: TBLOHOWIAK@DEPEREWI.GOV

CITY OF DE PERE PUBLIC WORKS
SEWER
ERIC RAKERS
925 S. SIXTH ST
DE PERE, WI 54115
PHONE: 920-339-4061
EMAIL: ERAKERS@DEPEREWI.GOV

CITY OF DE PERE WATER UTILITY
WATER
ERIC RAKERS
925 S. SIXTH ST
DE PERE, WI 54115
PHONE: 920-339-4061
EMAIL: ERAKERS@DEPEREWI.GOV

NET-LEC (NSIGHT)
COMMUNICATIONS
RICK VINCENT
470 SECURITY BLVD
GREEN BAY, WI 54313
PHONE: 920-617-7316
EMAIL: RICK.VINCENT@NSIGHT.COM

TDS METROCOM
COMMUNICATIONS
COLE HOOKER
525 JUNCTION RD
MADISON, WI 53717
PHONE: 608-332-8243
EMAIL: COLE.HOOKER@TDSTELECOM.COM

WPS
ELECTRIC
STUART SENECAL
2850 S ASHLAND AVE PO BOX 19001
GREEN BAY, WI 54307-9001
PHONE: 920-680-7803
EMAIL: STUART.SENECAL@WISCONSINPUBLICSERVICE.COM

WPS
GAS
ADAM VANDENHOUTEN
2850 S ASHLAND AVE PO BOX 19001
GREEN BAY, WI 54307-9001
PHONE: 920-617-5231
EMAIL: ADAM.VANDENHOUTEN@WISCONSINPUBLICSERVICE.COM

WISCONSIN DNR LIAISON

JAMES DOPERALSKI JR.
NORTHEAST REGION
2984 SHAWANO AVE
GREEN BAY, WI 54313
PHONE: 920-412-0165
EMAIL: JAMES.DOPERALSKI@WISCONSIN.GOV

2

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

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
EROSION CONTROL
REMOVAL PLAN
STORM SEWER
PERMANENT SIGNING
LIGHTING
TRAFFIC SIGNALS
PAVEMENT MARKING
TRAFFIC CONTROL AND CONSTRUCTION STAGING
DETOUR PLAN
ALIGNMENT PLAN

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 STRIPTURF:	.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 SLOPETURF:			.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 = 7.49 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 5.29 ACRES

2

N

SCHEURING ROAD

COUNTY F

INTERSTATE 41

1700

1702

1710

1716

1717

1724

1800

1801

2000

2001

105

100

95

90

85

80

END PROJECT
STA 105+80.43
Y=536527.605
X=75787.021

BEGIN PROJECT
STA 76+58.74
Y=533,823.316
X=75,194.398

PRESERVE TRAIL

PRESERVE PARK

PRESERVE TRAIL

EMPLOYERS BLVD

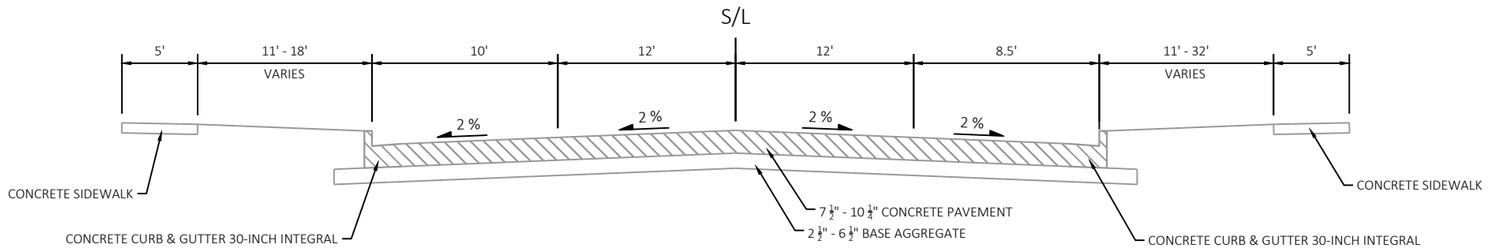
FORTUNE AVE

AMERICAN BLVD

LAWRENCE DRIVE

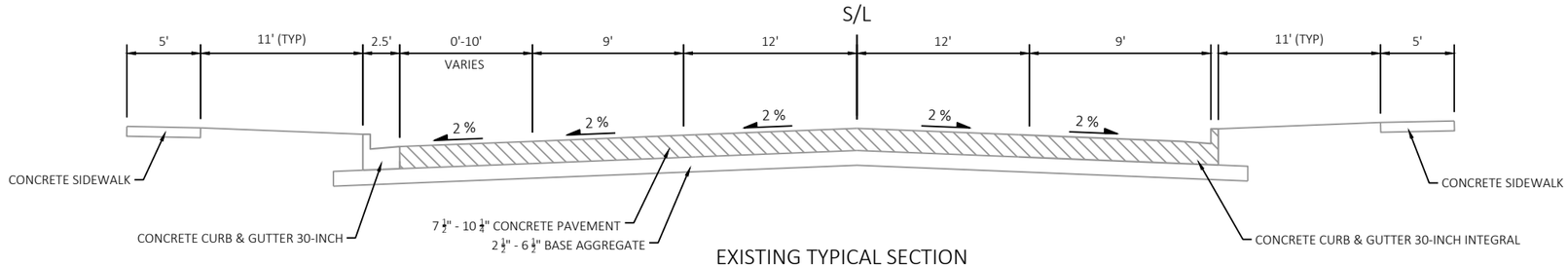
NOTE:
NORTHBOUND REFERENCE LINE SHOWN

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	PROJECT OVERVIEW	SHEET 3	E



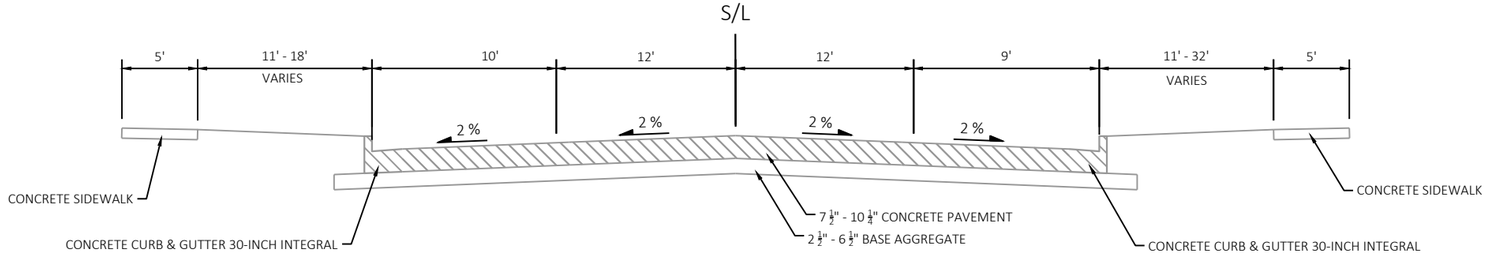
EXISTING TYPICAL SECTION

STA 76+58.74 - STA 83+75



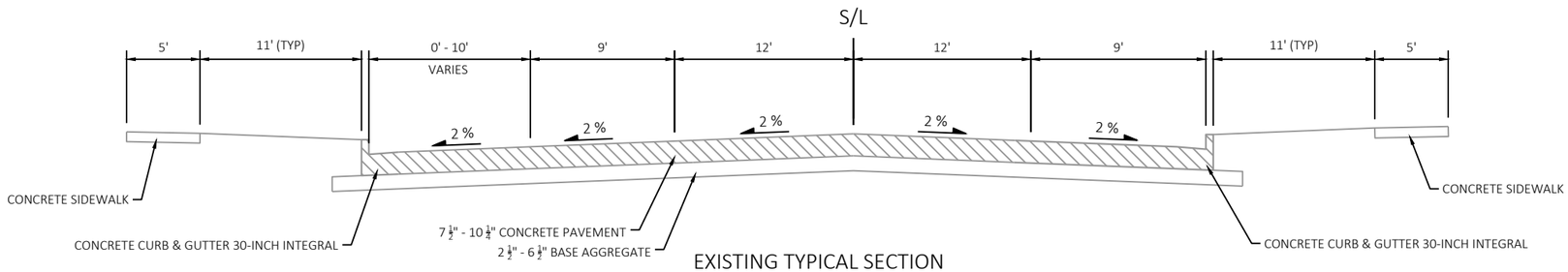
EXISTING TYPICAL SECTION

STA 83+75 - STA 87+00



EXISTING TYPICAL SECTION

STA 87+00 - STA 91+45
STA 93+92 - STA 94+31
STA 96+67 - STA 100+05



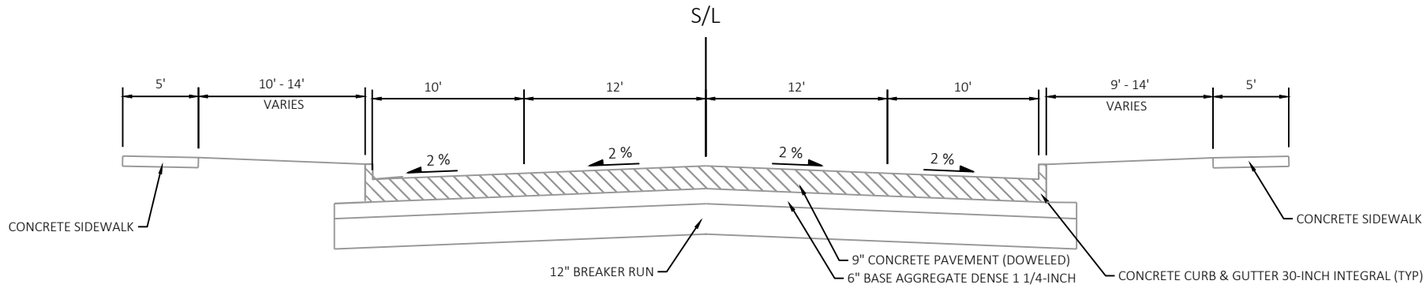
EXISTING TYPICAL SECTION

STA 91+45 - STA 93+92
STA 94+31 - STA 96+67

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	EXISTING TYPICAL SECTIONS	SHEET 4	E

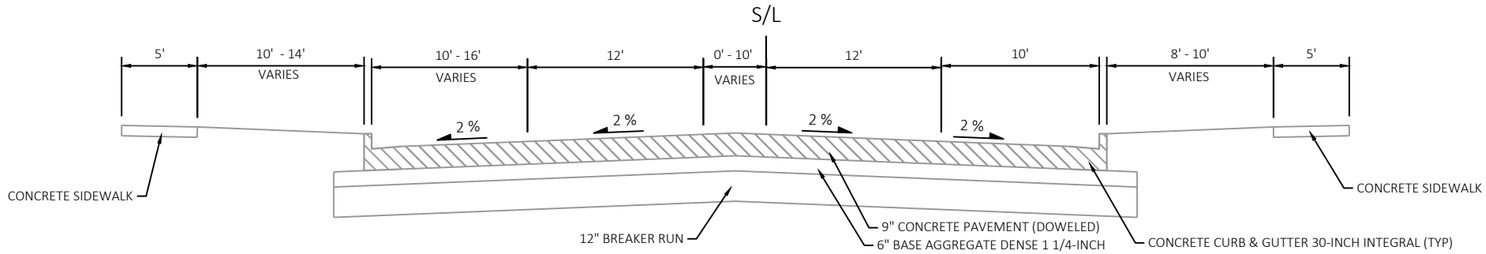
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PLOT BY : VERONIKA BYRA
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



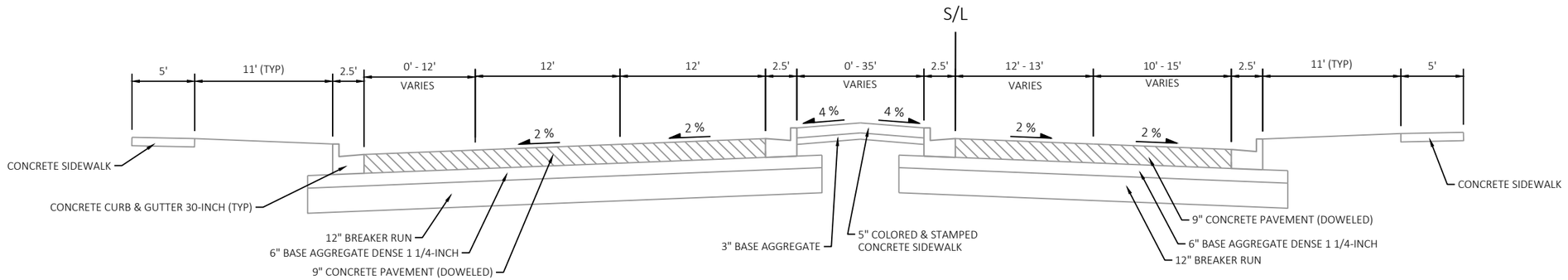
EXISTING TYPICAL SECTION

STA 100+05 - STA 100+82



EXISTING TYPICAL SECTION

STA 100+82 - STA 102+57



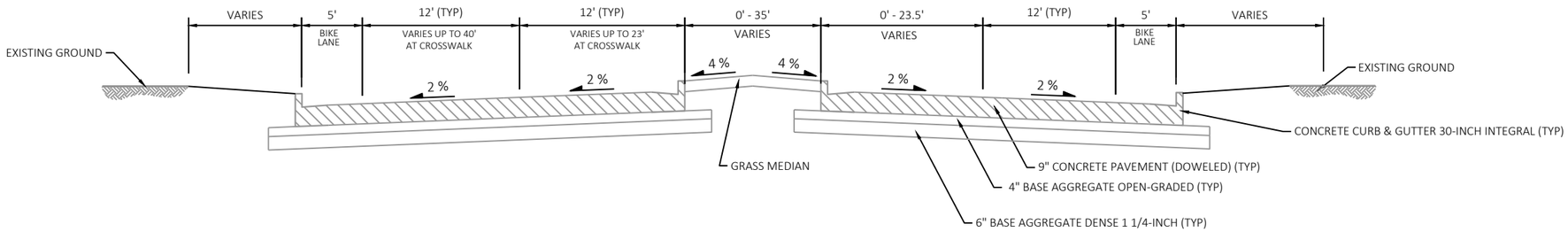
EXISTING TYPICAL SECTION

STA 102+57 - STA 105+80.43

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	EXISTING TYPICAL SECTIONS	SHEET 5	E

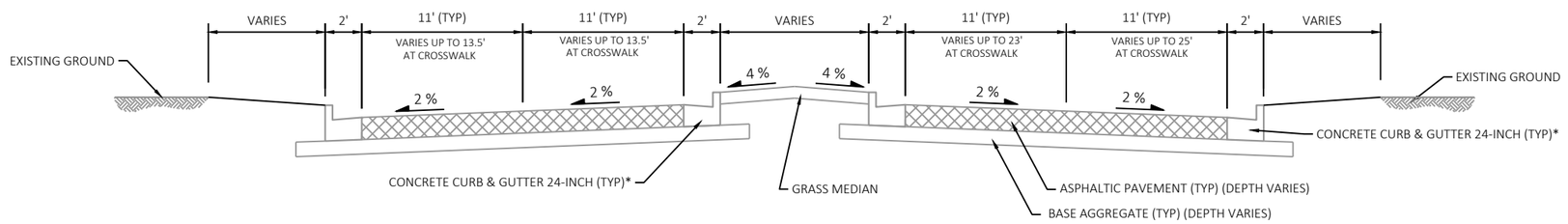
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PLOT BY : VERONIKA BYRA
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



EXISTING TYPICAL SECTION - FORTUNE AVE

LOOKING EAST



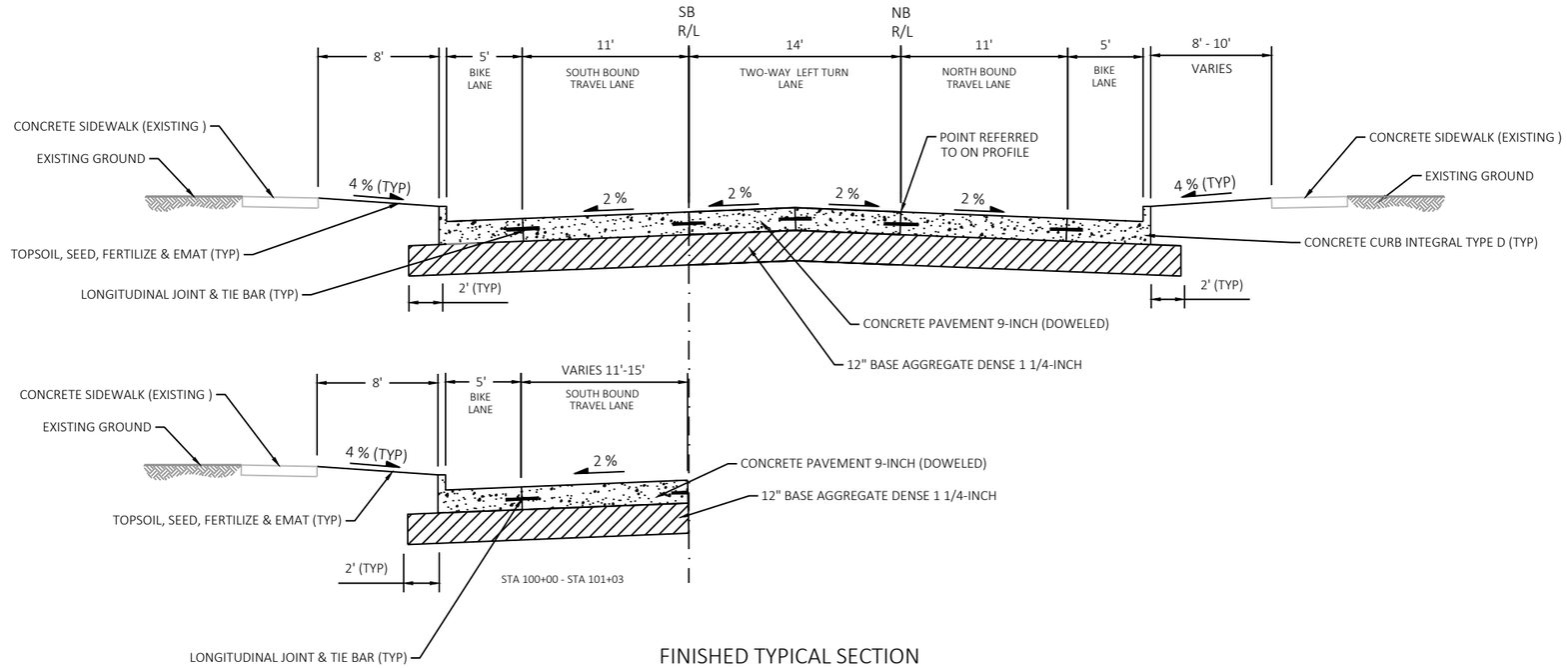
EXISTING TYPICAL SECTION - EMPLOYERS BLVD

LOOKING EAST

* CONCRETE CURB & GUTTER TRANSITIONS TO 30-INCH CURB & GUTTER IN THE CORNER RADII AT LAWRENCE DRIVE AND THE MEDIAN ISLAND NOSE AT LAWRENCE DRIVE.

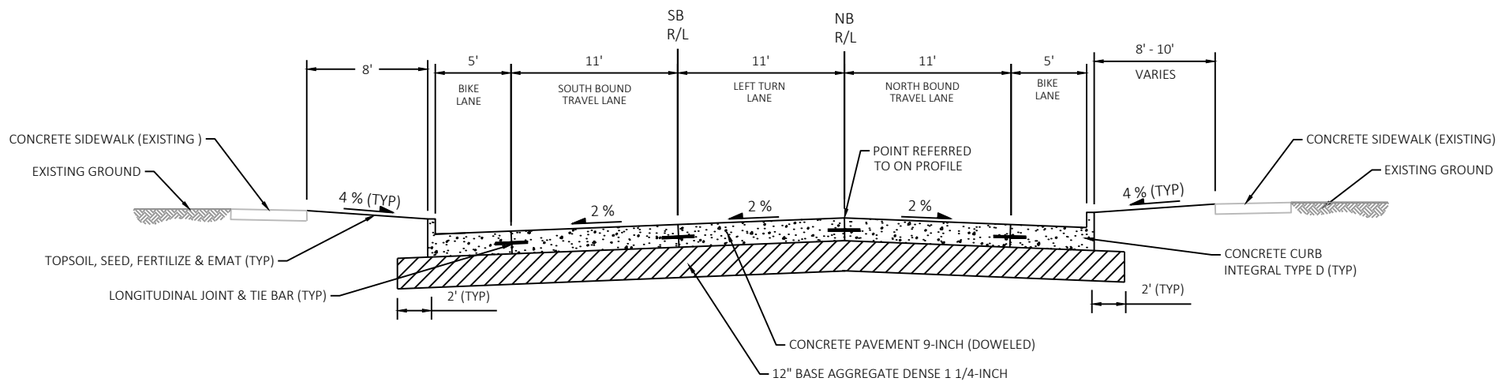
PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	EXISTING TYPICAL SECTIONS	SHEET 6	E

NOTE: UNLESS SHOWN ELSEWHERE, THE EXISTING SIDEWALK ON BOTH SIDES OF ROADWAY IS TO REMAIN AS IS.



FINISHED TYPICAL SECTION

STA 76+58.74 - STA 78+69
STA 87+25 - STA 91+10
STA 96+75 - STA 101+03

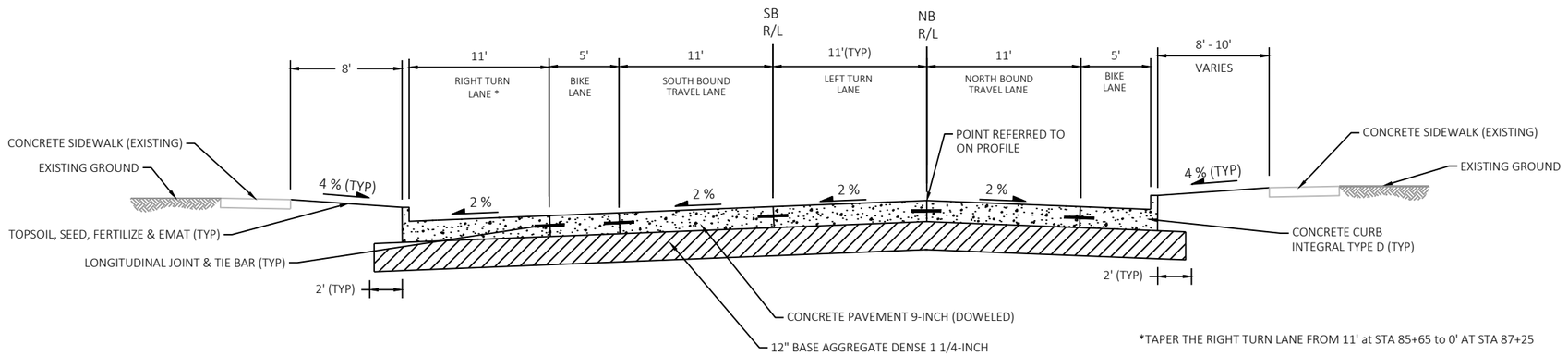


FINISHED TYPICAL SECTION

STA 78+69 - STA 83+50

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	FINISHED TYPICAL SECTIONS	SHEET 7	E

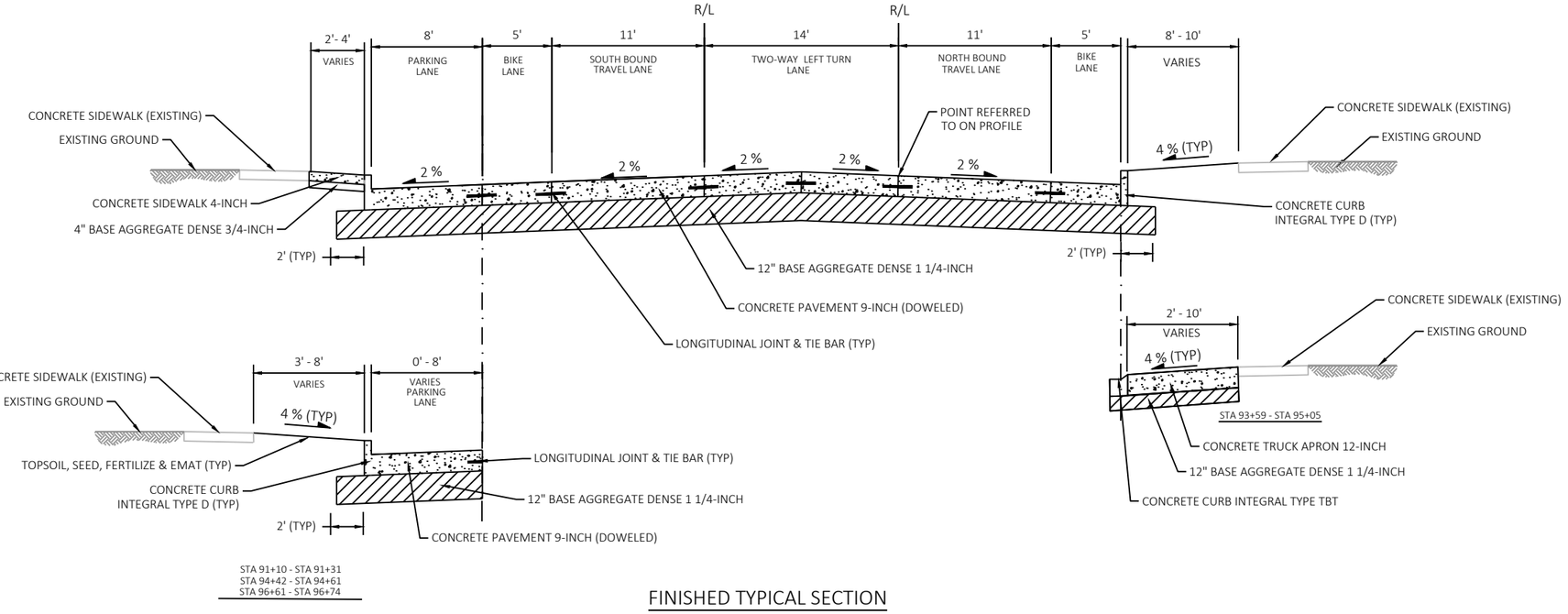
NOTE: UNLESS SHOWN ELSEWHERE, THE EXISTING SIDEWALK ON BOTH SIDES OF ROADWAY IS TO REMAIN AS IS.



*TAPER THE RIGHT TURN LANE FROM 11' at STA 85+65 to 0' AT STA 87+25

FINISHED TYPICAL SECTION

STA 83+50 - STA 87+25



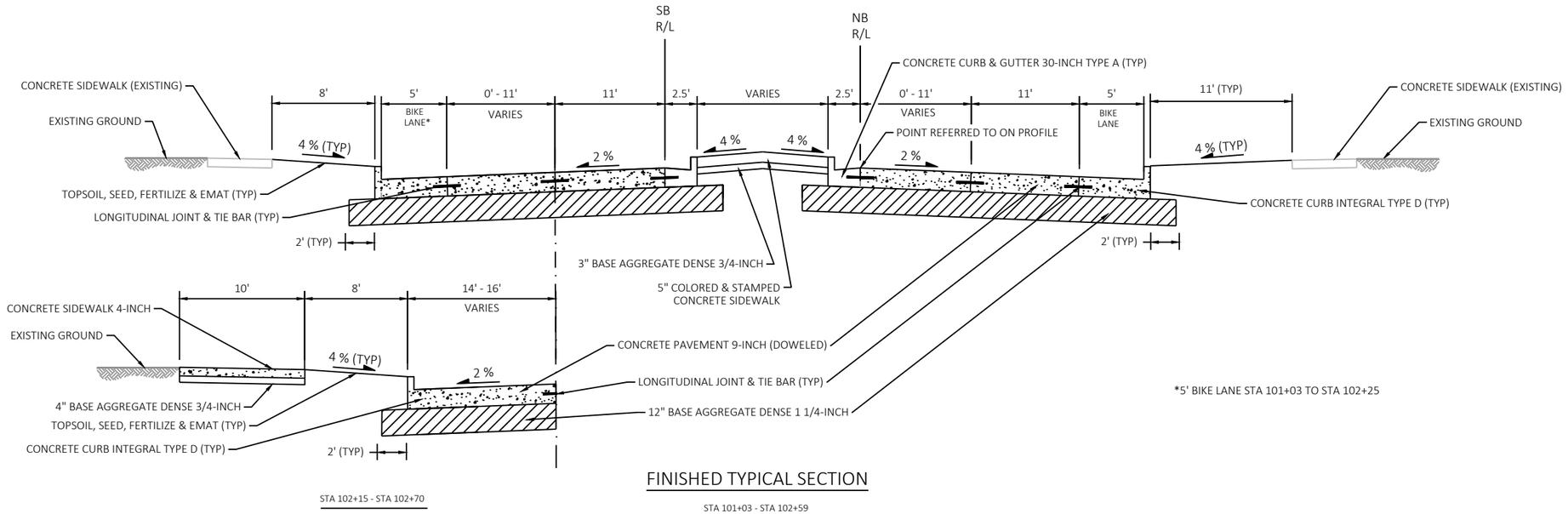
STA 91+10 - STA 91+31
STA 94+42 - STA 94+61
STA 96+61 - STA 96+74

FINISHED TYPICAL SECTION

STA 91+10 - STA 96+75

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	FINISHED TYPICAL SECTIONS	SHEET 8	E

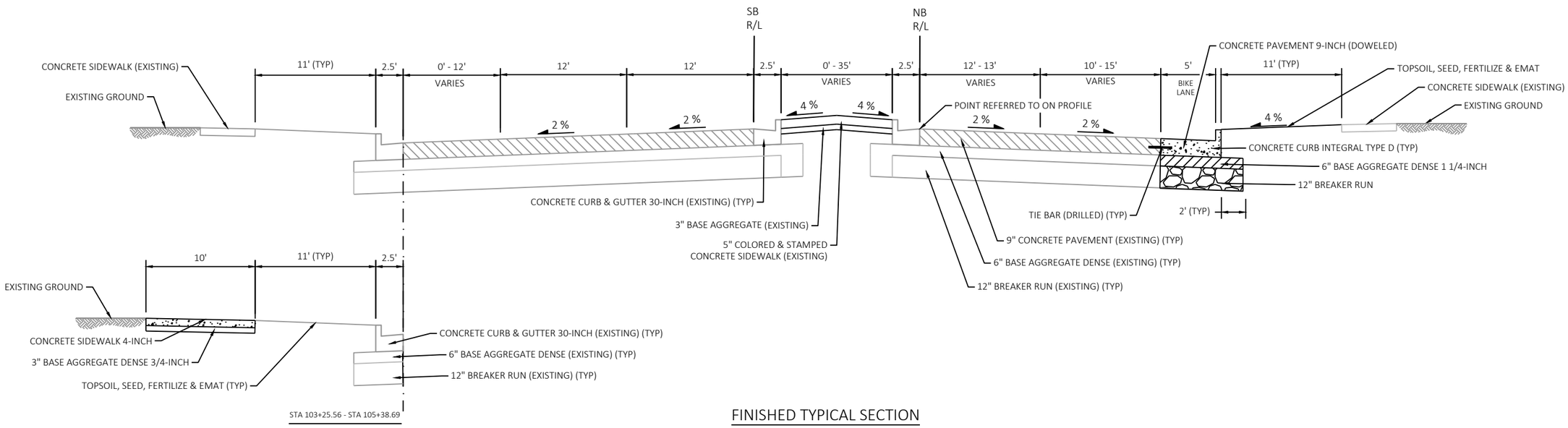
NOTE: UNLESS SHOWN ELSEWHERE, THE EXISTING SIDEWALK ON BOTH SIDES OF ROADWAY IS TO REMAIN AS IS.



STA 102+15 - STA 102+70

FINISHED TYPICAL SECTION

STA 101+03 - STA 102+59



STA 103+25.56 - STA 105+38.69

FINISHED TYPICAL SECTION

STA 102+59 - STA 105+15

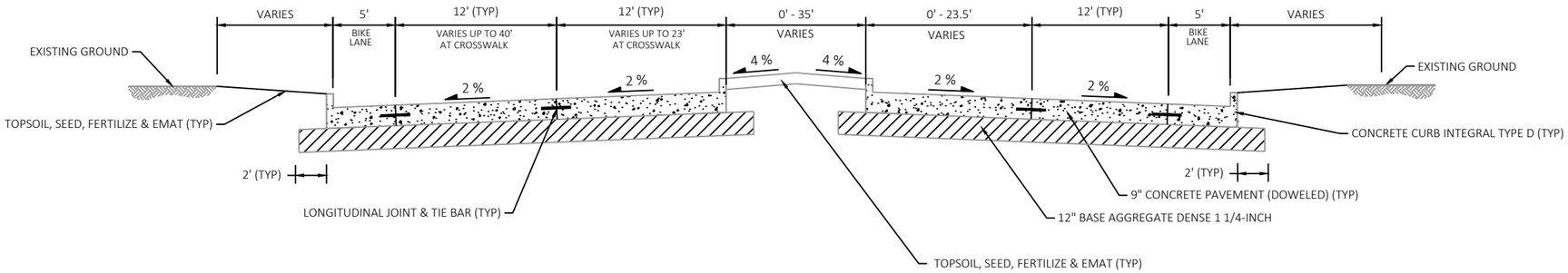
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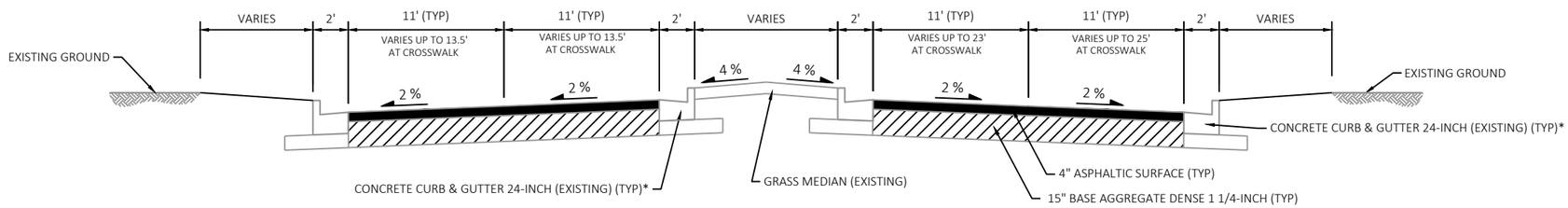
WISDOT/CADDS SHEET 42

2



FINISHED TYPICAL SECTION - FORTUNE AVE

LOOKING EAST

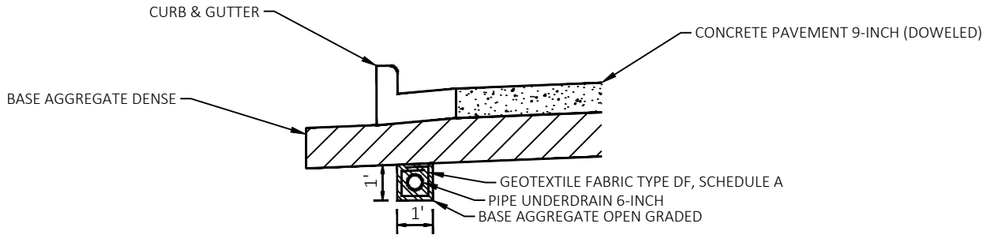


FINISHED TYPICAL SECTION - EMPLOYERS BLVD

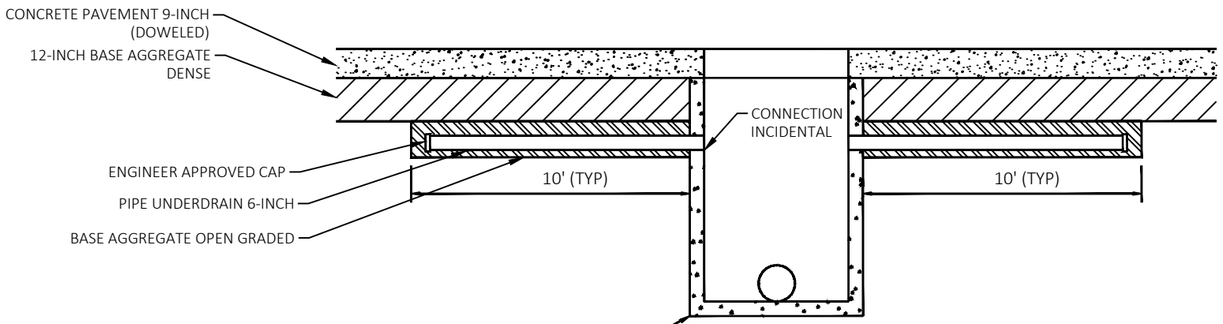
LOOKING EAST

* CONCRETE CURB & GUTTER TRANSITIONS TO 30-INCH CURB & GUTTER IN THE CORNER RADII AT LAWRENCE DRIVE AND THE MEDIAN ISLAND NOSE AT LAWRENCE DRIVE.

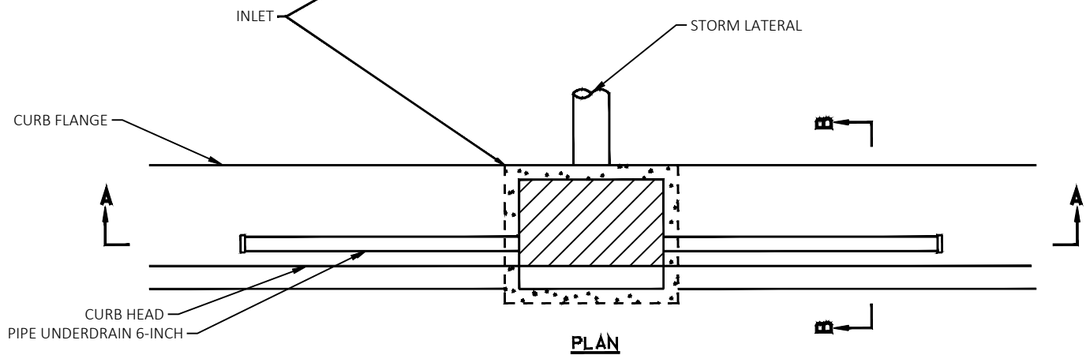
PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	FINISHED TYPICAL SECTIONS	SHEET 10	E



SECTION B-B



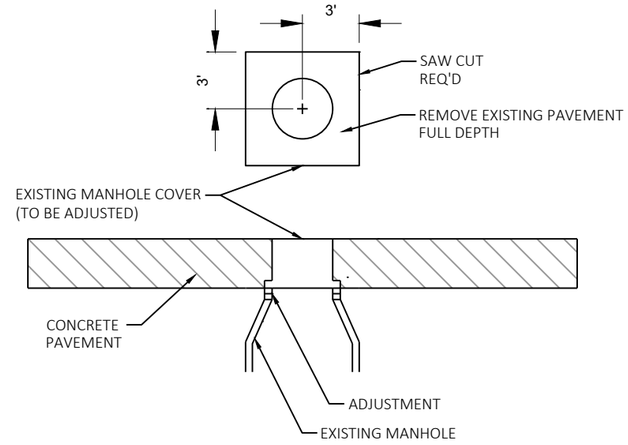
SECTION A-A



PLAN

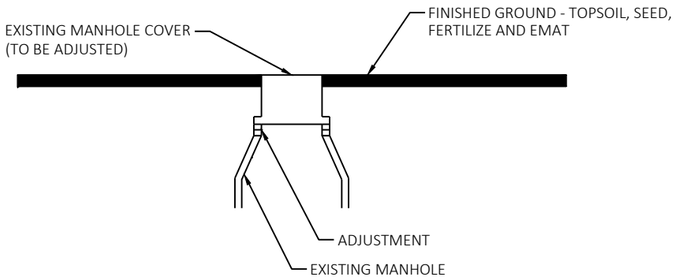
LOW POINT PIPE UNDERDRAIN DETAIL

INLETS 2A,2B, 7, 9A, 15A, 15B, 17D



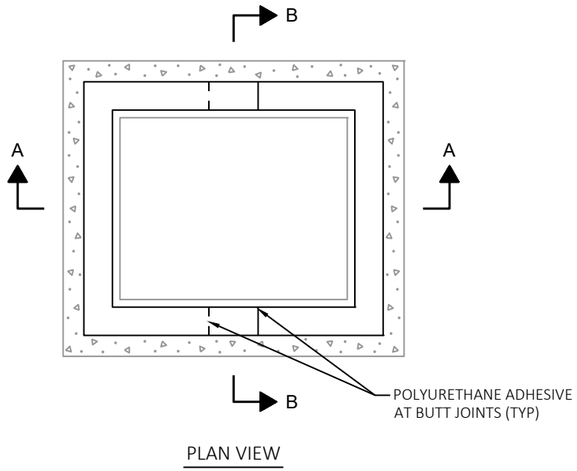
ADJUSTING MANHOLE COVERS IN CONCRETE PAVEMENT

MANHOLES 4, 6, 14

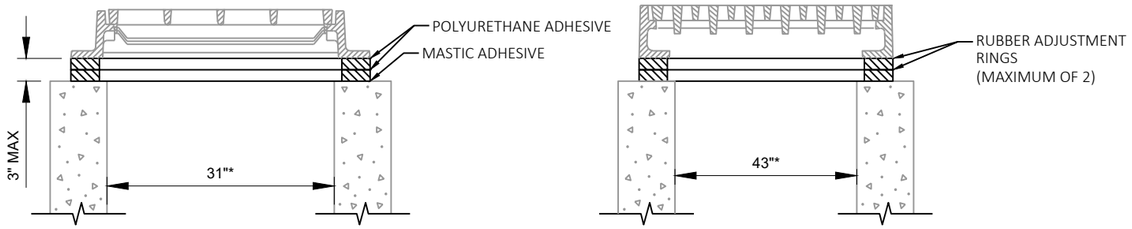


ADJUSTING MANHOLE COVERS IN GRASS TERRACE

MANHOLES 2, 12, 16



PLAN VIEW



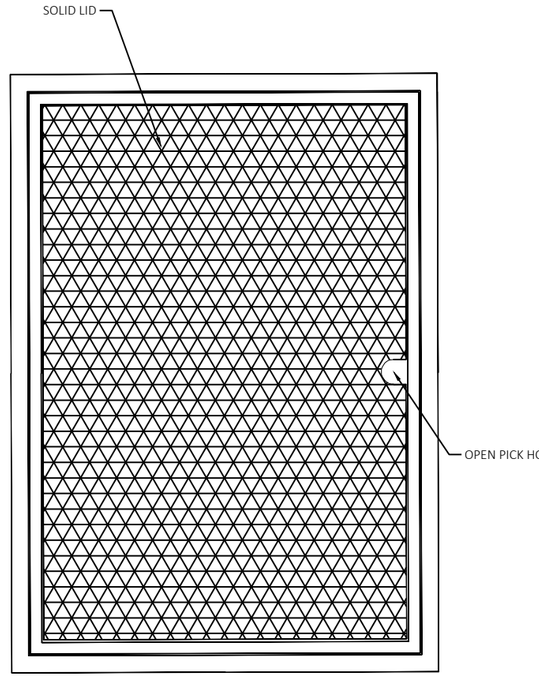
SECTION A-A

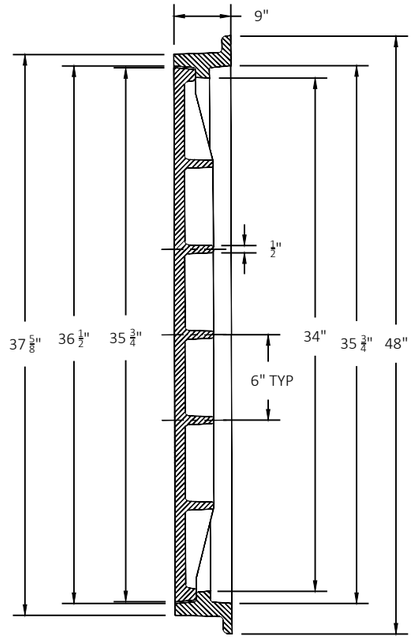
SECTION B-B

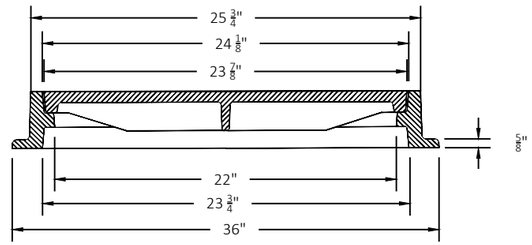
* MEASUREMENTS ARE APPROXIMATE AND ARE TO BE FIELD VERIFIED

RUBBER RING CUTTING DETAIL FOR INLET TYPE 2, SPECIAL

INLET 3







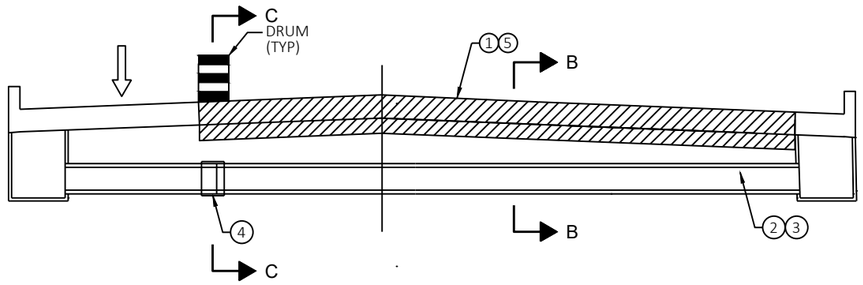
INLET COVER, TYPE SPECIAL DETAIL

INLET 3

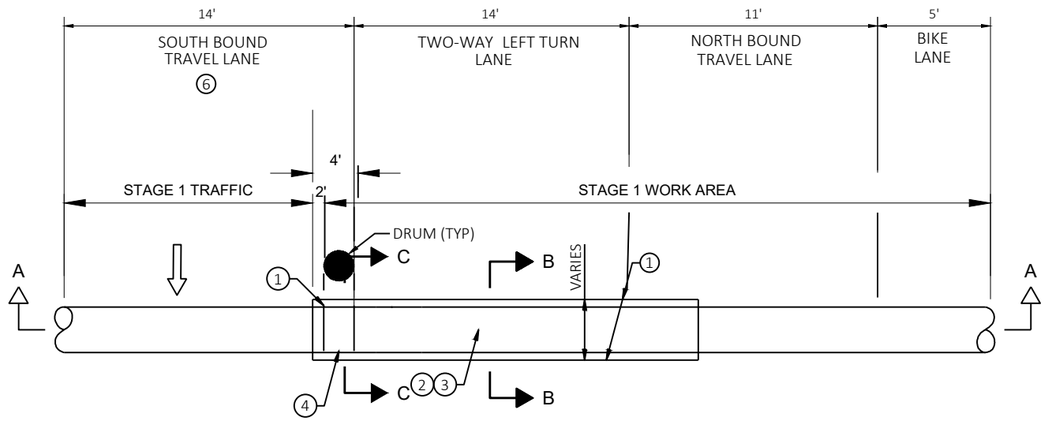
2

NOTE: SHOWN FOR NORTHBOUND LANE PIPEWORK. SOUTHBOUND LANES SIMILAR.

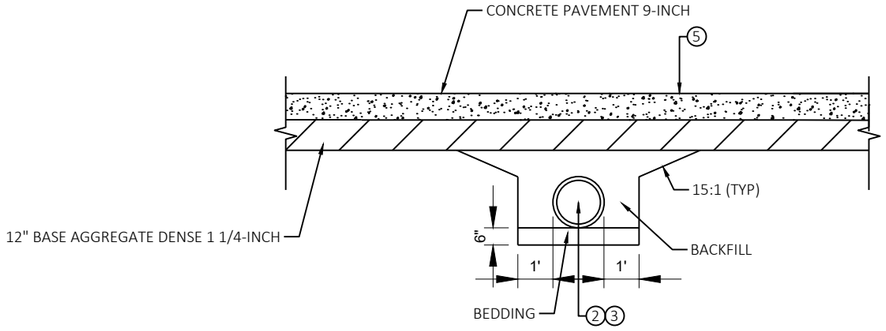
1. SAWING CONCRETE PAVEMENT FULL DEPTH.
2. REMOVING STORM SEWER. SEE MISCELLANEOUS QUANTITIES.
3. CONSTRUCT NEW SSPRC. SEE SECTION B-B.
4. PLACE NEW SSPRC BELL OVER EXISTING SEWER PIPE, WRAP TEMPORARY JOINT WITH FABRIC (INCIDENTAL TO CONSTRUCTION).
5. PLACE BREAKER RUN/BASE AGGREGATE DENSE, CONCRETE PAVEMENT 9-INCH.
6. WHEN AVAILABLE LANE WIDTH FOR TRAFFIC IS LESS THAN 12 FEET, CONTRACTOR SHALL UTILIZE FLAGGERS FOR MAINTAINING TRAFFIC. A 12-FOOT LANE WITH A TEMPORARY ASPHALTIC SURFACE SHALL BE RESTORED AT THE END OF EACH DAY'S OPERATIONS. SEE SDD 15C12-A TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION FOR DETAILS.



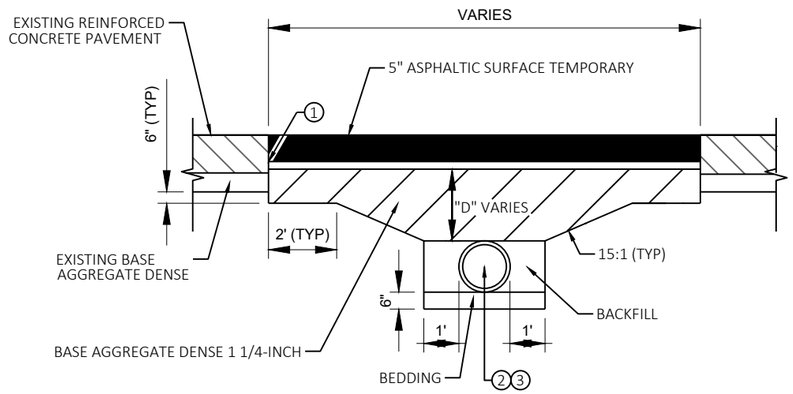
STAGE 1 - SECTION A-A



STAGE 1 - PLAN VIEW



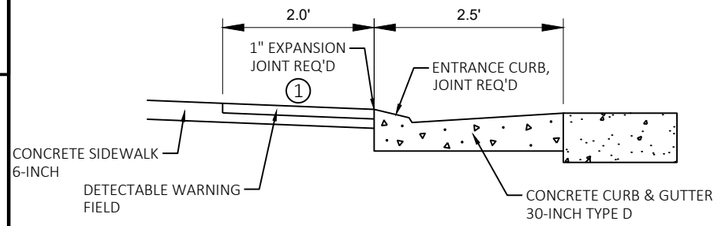
SECTION B-B



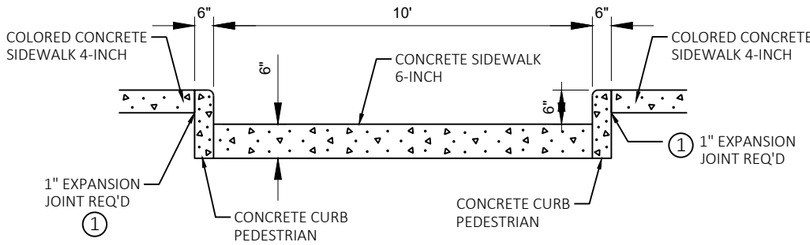
SECTION C-C

STORM SEWER LATERAL PIPE REPLACEMENT

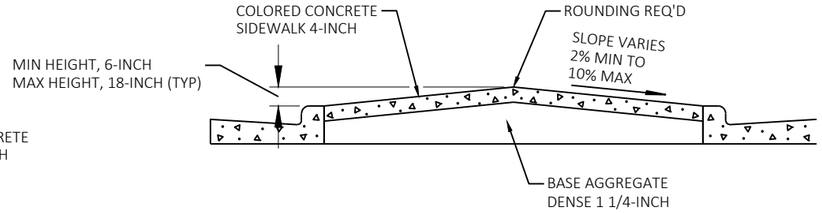
PIPE 1A - 1B
PIPE 2A - 2B
PIPE 9A - 9B
PIPE 11A - 11B
PIPE 15A - 15B



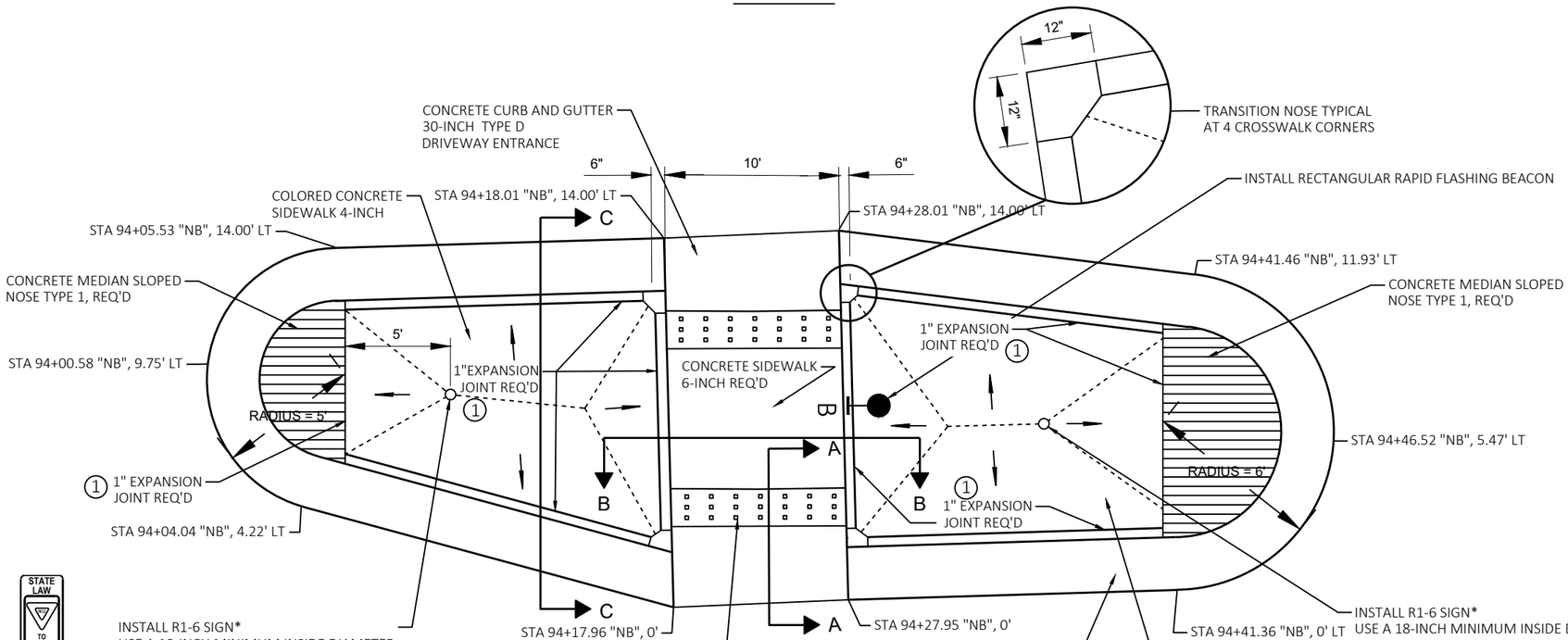
SECTION A-A



SECTION B-B



SECTION C-C



1 EXPANSION MATERIAL TO BE 1" LONGER THAN ABUTTING MEDIAN CONCRETE THICKNESS. (i.e. 5" IN HEIGHT WHEN ADJACENT TO CONCRETE SIDEWALK 4-INCH)



R1-6
12"X36"

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

DRAINAGE BREAK POINT
DIRECTION OF DRAINAGE

* SEE A4-3 SIGN PLATE FOR "TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POST"

SEE A4-3B SIGN PLATE "SIGN POST BOX-OUTS"

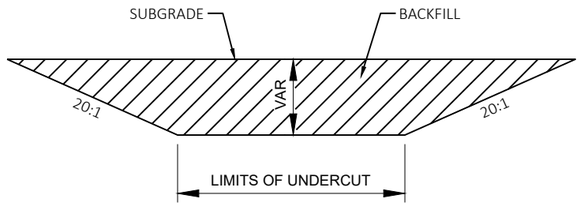
MEDIAN REFUGE ISLAND DETAIL

STA 94+00 - STA 94+46

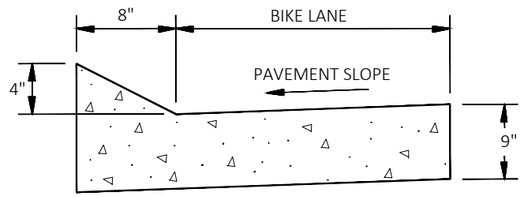
PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CONSTRUCTION DETAILS	SHEET 14	E

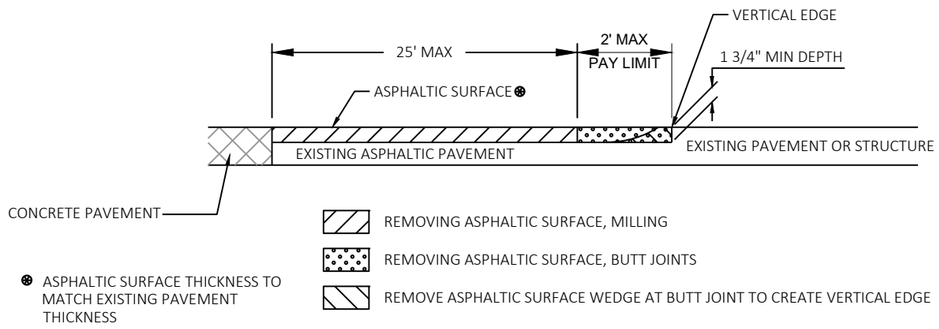
FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\021001-CD.DWG
LAYOUT NAME - 05
PLOT DATE : 9/1/2023 10:23 AM
PLOT BY : DOUGLAS HOBYAN
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



LONGITUDINAL SECTION FOR UNDERCUT AREAS (EBS)





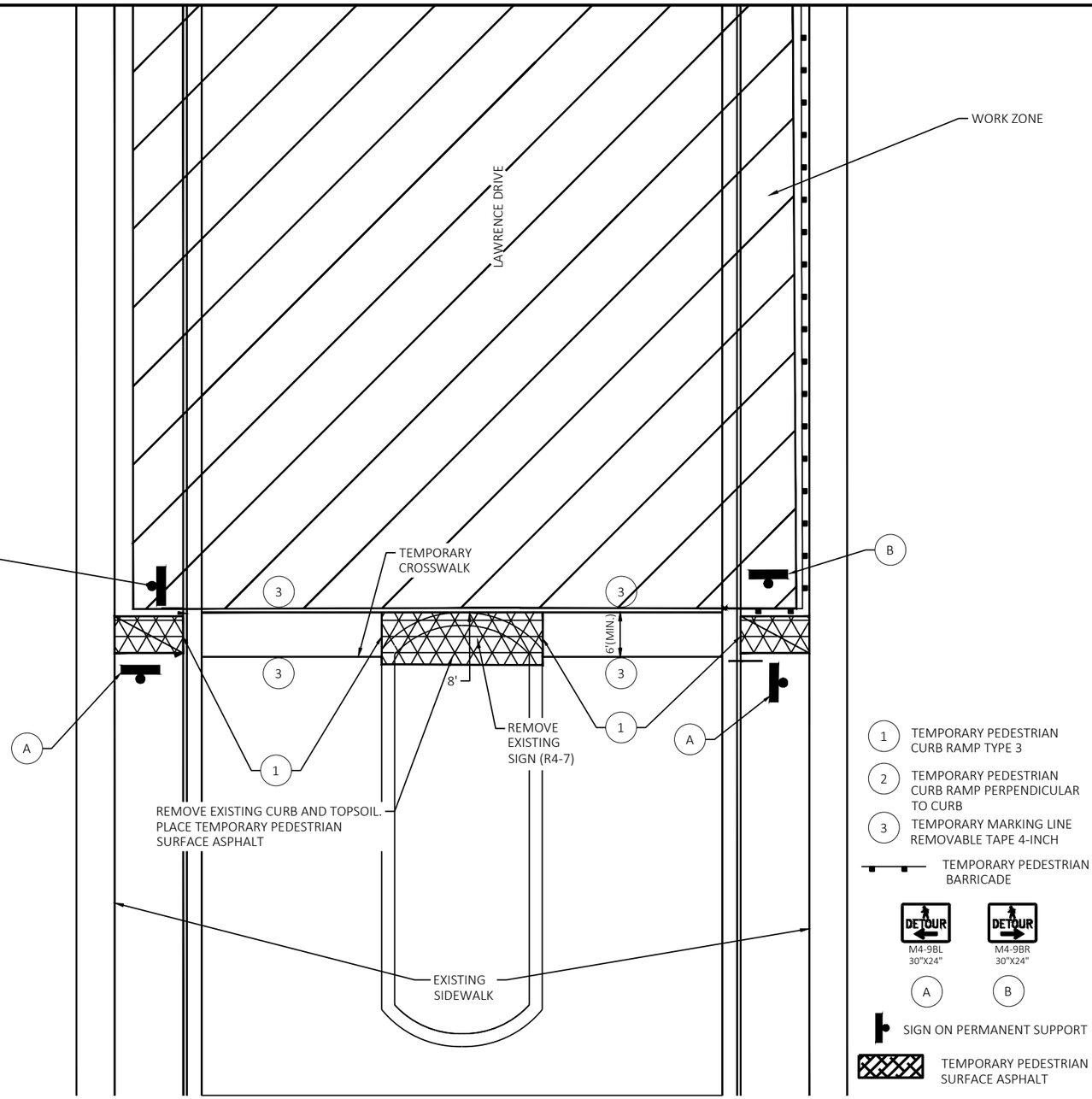
BUTT JOINT DETAIL FOR ASPHALTIC PAVEMENTS (NO PROFILE CHANGE)

EMPLOYERS BLVD

CONCRETE CURB INTEGRAL TYPE TBT

STA 93+64 RT - STA 94+96 RT

2



1 TEMPORARY PEDESTRIAN CURB RAMP TYPE 3

2 TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB

3 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

TEMPORARY PEDESTRIAN BARRICADE

DETOUR
M4-9BL
30"X24"
A

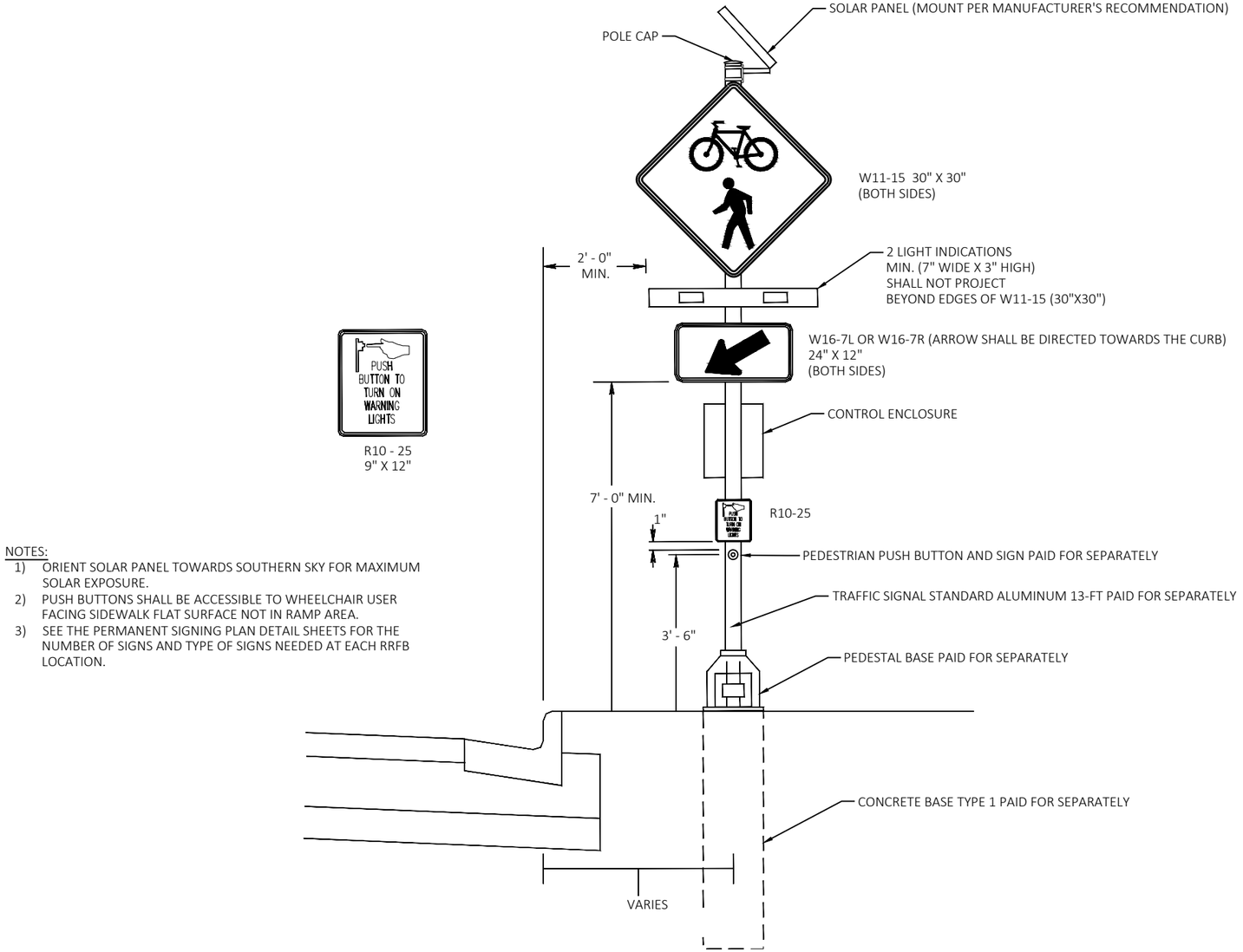
DETOUR
M4-9BR
30"X24"
B

SIGN ON PERMANENT SUPPORT

TEMPORARY PEDESTRIAN SURFACE ASPHALT

TEMPORARY CROSSWALK DETAIL - MEDIAN CROSSING
STA 76+50

2



NOTES:

1) ORIENT SOLAR PANEL TOWARDS SOUTHERN SKY FOR MAXIMUM SOLAR EXPOSURE.
2) PUSH BUTTONS SHALL BE ACCESSIBLE TO WHEELCHAIR USER FACING SIDEWALK FLAT SURFACE NOT IN RAMP AREA.
3) SEE THE PERMANENT SIGNING PLAN DETAIL SHEETS FOR THE NUMBER OF SIGNS AND TYPE OF SIGNS NEEDED AT EACH RRFB LOCATION.

RECTANGULAR RAPID FLASHING BEACON DETAIL

PRESERVE TRAIL CROSSING
NOT TO SCALE

2

LEGEND

C	CONCRETE FLARE	CS04	CONCRETE SIDEWALK, 4-INCH
GR	GRADED GRASS FLARE	CS06	CONCRETE SIDEWALK, 6-INCH
LL	LEVEL LANDING	CS08	CONCRETE SIDEWALK, 8-INCH

RADIAL WARNING FIELD PANEL LAYOUT TABLE

QUADRANT	BACK OF CURB RADIUS (FT)	LANDING LENGTH 'XR' (FT)	RADIAL WARNING FIELD AREA (SF)	RADIAL LONG CHORD (FT)
SOUTHWEST	49.5'	18 FT	35.8 SF	7.95 FT

EMPLOYERS BLVD

EXISTING R/W

TYPE 4B1 CURB RAMP

SLOPE INTERCEPT (TYP)

R=12.25'

CONCRETE CURB PEDESTRIAN

RADIAL DWF

2'X 7' DWF

TYPE 4B1 CURB RAMP

2'X 5' DWF

TYPE 4B1 CURB RAMP

ES 20 631.94 FL
ES 19 631.86
ES 18 631.59 FL
ES 17 631.56
ES 16 631.32 FL
ES 14 631.08 FL
ES 12 631.32
ES 10 631.03 FL
ES 09 631.19 FL
ES 08 631.72
ES 07 631.75
ES 06 631.67
ES 05 631.01 FL
ES 04 631.09 FL
ES 03 631.17 FL
ES 02 631.25 FL
ES 01 631.63 FL
ES 11 631.17
ES 15 631.20

EM 01 631.33 FL
EM 02 631.53 FL
EM 03 631.59 FL
EM 04 631.68 FL
EM 05 631.75 FL
EM 06 631.68 FL
EM 07 631.48 FL
EM 08 631.39 FL
EM 10 631.83
EM 11 631.76
EM 12 631.38 FL
EM 13 631.49
EM 14 632.03
EM 15 632.09
EM 16 632.18
EM 17 632.25
EM 18 632.18
EM 19 631.58 FL
EM 20 632.08
EM 21 631.49
EM 22 631.40
EM 23 631.76
EM 24 631.17 FL
EM 25 631.45 FL
EM 26 631.52
EM 27 631.53 FL
EM 28 631.57
EM 29 631.78
EM 30 632.00
EM 31 631.82
EM 32 631.57
EM 33 631.54
EM 34 631.76
EM 35 631.77
EM 36 631.50
EM 37 631.42
EM 38 631.97
EM 39 631.36 FL
EM 40 631.47 FL

PI: 81+93.41

LAWRENCE DRIVE

N39°32'48"E

82+00

N38°59'29"E

NOTE:
CONTRACTOR TO VERIFY ELEVATIONS, GRADES, SLOPES AND LENGTHS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

ALL CURB RAMPS SHALL BE CONSTRUCTED WITH CONCRETE SIDEWALK 6-INCH AND DETECTABLE WARNING FIELDS, NATURAL PATINA.

ALL CURB & GUTTER SHALL BE CONCRETE CURB INTEGRAL TYPE D, EXCEPT WHERE NOTED.

SEE SDD 8D5 CURB RAMPS FOR ADDITIONAL INFORMATION PERTINENT TO PROPER CURB RAMP CONSTRUCTION.

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	INTERSECTION DETAIL: EMPLOYERS BLVD SOUTHWEST QUADRANT	SHEET 18	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\021101_ID_CR.DWG
LAYOUT NAME - 021101_id_EPL SW QUAD

PLOT DATE : 9/5/2023 1:30 PM PLOT BY : DOUGLAS HOBYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

LEGEND

- C — CONCRETE FLARE
- GR — GRADED GRASS FLARE
- LL — LEVEL LANDING
- CS04 — CONCRETE SIDEWALK, 4-INCH
- CS06 — CONCRETE SIDEWALK, 6-INCH

NOTE:
CONTRACTOR TO VERIFY ELEVATIONS, GRADES, SLOPES AND LENGTHS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

ALL CURB RAMPS SHALL BE CONSTRUCTED WITH CONCRETE SIDEWALK 6-INCH AND DETECTABLE WARNING FIELDS, NATURAL PATINA.

ALL CURB & GUTTER SHALL BE CONCRETE CURB INTEGRAL TYPE D, EXCEPT WHERE NOTED.

SEE SDD 8D5 CURB RAMPS FOR ADDITIONAL INFORMATION PERTINENT TO PROPER CURB RAMP CONSTRUCTION.

EMPLOYERS BLVD

EN 01 630.64 FL
EN 02 631.14
EN 03 630.81
EN 04 630.86
EN 05 631.48
EN 06 630.96 FL
EN 07 630.99
EN 08 631.33 FL
EN 09 631.32
EN 10 631.65
EN 11 631.40 FL
EN 12 631.39 FL
EN 13 631.70 FL
EN 14 631.97
EN 15 632.03 FL
EN 16 632.23
EN 17 632.33 FL
EN 18 630.85 FL
EN 19 630.79 FL

SLOPE INTERCEPT (TYP)
CONCRETE CURB PEDESTRIAN
EXISTING R/W
2'X 5' DWF
TYPE 3 CURB RAMP
TYPE 2 CURB RAMP
4' TAPER

EPC 01 631.68 FL
EPC 02 631.98 FL
EPC 03 631.98 FL
EPC 04 632.03 FL
EPC 05 632.07 FL
EPC 06 632.14 FL
EPC 07 632.10 FL
EPC 08 632.09 FL
EPC 09 631.84 FL
EPC 10 631.52 FL
EPC 11 631.43 FL
EPC 12 632.18
EPC 13 632.22
EPC 14 631.78
EPC 15 631.85
EPC 16 632.39
EPC 17 632.43
EPC 18 632.48
EPC 19 632.52
EPC 20 632.44
EPC 21 632.51
EPC 22 632.43
EPC 23 631.86 FL
EPC 24 632.30
EPC 25 632.14
EPC 26 631.58
EPC 27 631.55
EPC 28 631.95
EPC 29 631.91
EPC 30 631.79
EPC 31 631.82
EPC 32 631.89
EPC 33 631.87
EPC 34 631.93
EPC 35 631.94
EPC 36 632.01
EPC 37 631.83
EPC 38 631.77
EPC 39 631.70
EPC 40 631.64
EPC 41 631.66
EPC 42 631.75
EPC 43 632.10
EPC 44 632.03
EPC 45 631.77 FL
EPC 46 631.83 FL
EPC 47 631.56 FL
EPC 48 631.52 FL

PI: 83+22.54
83+00
84+00
N39°32'14"E
LAWRENCE DRIVE
ONLY

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	INTERSECTION DETAIL: EMPLOYERS BLVD NORTHWEST QUADRANT	SHEET 19	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\021101_ID_CR.DWG
LAYOUT NAME - 021101_id_EMP NW QUAD
PLOT DATE : 8/25/2023 10:52 AM PLOT BY : DOUGLAS HOBYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

2

EMPLOYERS BLVD PORK CHOP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
EPC 01	83+04.48	49.60' LT	631.68	534354.60	75564.33
EPC 02	83+05.93	31.61' LT	631.98	534344.40	75579.23
EPC 03	83+07.52	28.32' LT	631.98	534343.58	75582.78
EPC 04	83+10.83	27.00' LT	632.03	534345.31	75585.89
EPC 05	83+22.34	27.00' LT	632.07	534354.26	75593.14
EPC 06	83+64.63	27.00' LT	632.14	534387.08	75620.22
EPC 07	83+68.57	30.26' LT	632.10	534392.18	75620.21
EPC 08	83+66.09	34.73' LT	632.09	534393.12	75615.19
EPC 09	83+54.33	40.21' LT	631.84	534387.54	75603.47
EPC 10	83+46.05	45.01' LT	631.52	534384.21	75594.50
EPC 11	83+37.44	50.52' LT	631.43	534381.08	75584.76
EPC 12	83+04.98	49.64' LT	632.18	534355.01	75564.61
EPC 13	83+05.27	46.25' LT	632.22	534353.11	75567.43
EPC 14	83+05.54	43.23' LT	631.78	534351.41	75569.94
EPC 15	83+05.90	38.21' LT	631.85	534348.53	75574.08
EPC 16	83+06.22	34.22' LT	632.39	534346.27	75577.38
EPC 17	83+06.43	31.64' LT	632.43	534344.81	75579.52
EPC 18	83+07.86	28.69' LT	632.48	534344.07	75582.71
EPC 19	83+10.84	27.50' LT	632.52	534345.63	75585.51
EPC 20	83+22.34	27.50' LT	632.44	534354.58	75592.75
EPC 21	83+62.96	27.50' LT	632.51	534386.10	75618.77
EPC 22	83+64.35	34.89' LT	632.43	534391.87	75613.95
EPC 23	83+60.44	37.13' LT	631.86	534390.29	75609.73
EPC 24	83+54.05	39.79' LT	632.30	534387.06	75603.62
EPC 25	83+50.52	41.79' LT	632.14	534385.61	75599.83
EPC 26	83+47.12	43.79' LT	631.58	534384.26	75596.12
EPC 27	83+42.84	46.37' LT	631.55	534382.60	75591.40
EPC 28	83+40.26	48.02' LT	631.95	534381.66	75588.49
EPC 29	83+37.06	50.02' LT	631.91	534380.46	75584.91
EPC 30	83+06.12	43.20' LT	631.79	534351.85	75570.33
EPC 31	83+08.11	43.12' LT	631.82	534353.34	75571.66
EPC 32	83+07.90	38.12' LT	631.89	534350.03	75575.40
EPC 33	83+11.52	42.91' LT	631.87	534355.86	75573.96
EPC 34	83+11.56	37.87' LT	631.93	534352.72	75577.90
EPC 35	83+16.52	42.91' LT	631.94	534359.74	75577.11
EPC 36	83+16.56	37.91' LT	632.01	534356.63	75581.01
EPC 37	83+38.21	37.80' LT	631.83	534373.57	75595.07
EPC 38	83+42.90	35.96' LT	631.77	534376.02	75599.47
EPC 39	83+45.27	40.36' LT	631.70	534380.65	75597.59
EPC 40	83+46.17	42.03' LT	631.64	534382.41	75596.88

EMPLOYERS BLVD PORK CHOP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
EPC 41	83+41.77	44.41' LT	631.66	534380.53	75592.24
EPC 42	83+40.87	42.74' LT	631.75	534378.77	75592.96
EPC 43	83+29.55	37.82' LT	632.10	534366.91	75589.54
EPC 44	83+29.58	42.81' LT	632.03	534370.11	75585.71
EPC 45	83+04.95	43.26' LT	631.77	534350.97	75569.55
EPC 46	83+05.40	38.23' LT	631.83	534348.15	75573.74
EPC 47	83+47.36	44.23' LT	631.56	534384.73	75595.93
EPC 48	83+43.09	46.79' LT	631.52	534383.06	75591.24

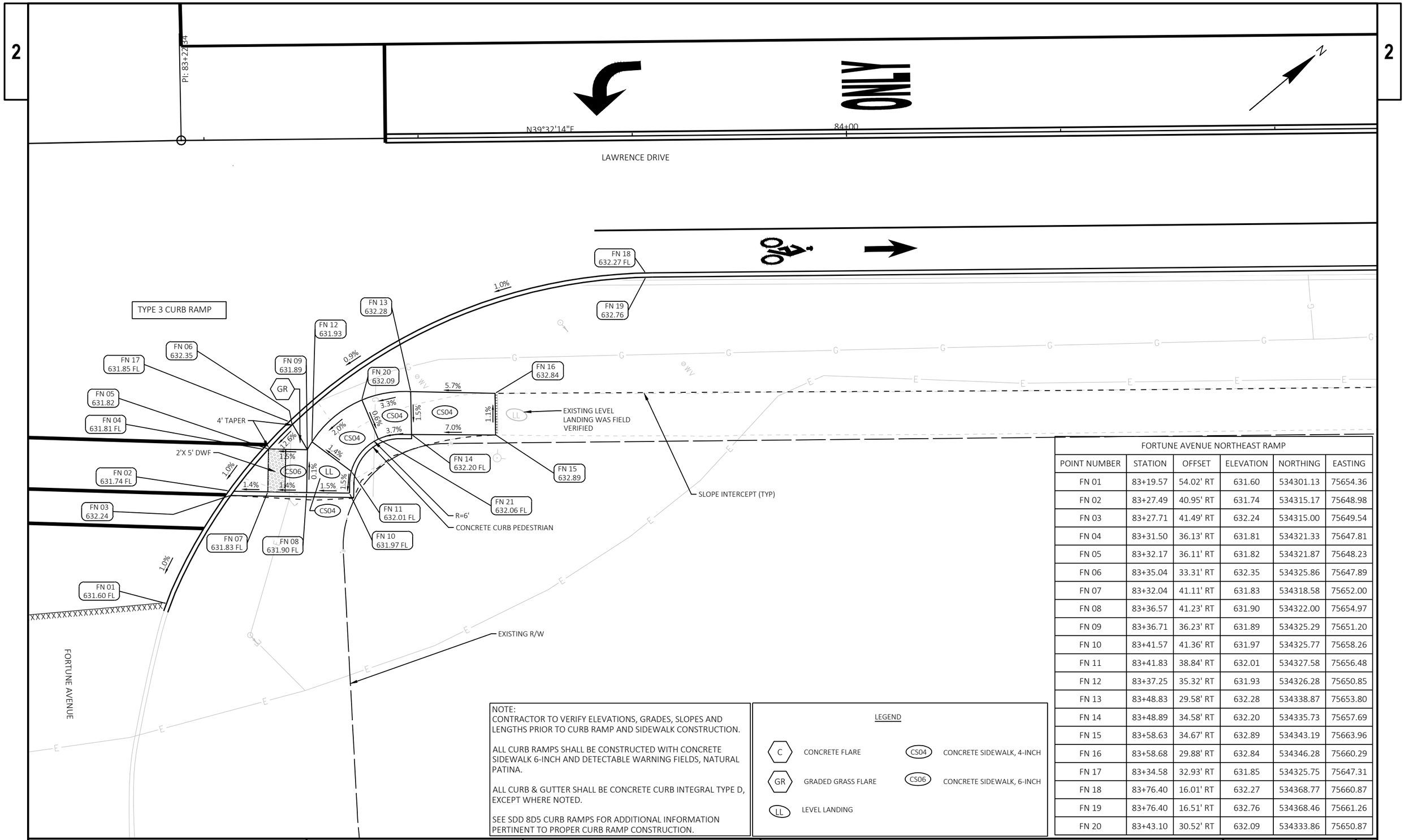
EMPLOYERS BLVD MEDIAN RAMPS					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
EM 01	82+35.85	50.14' LT	631.33	534301.59	75520.73
EM 02	82+44.51	37.92' LT	631.53	534300.64	75535.68
EM 03	82+47.63	35.06' LT	631.59	534301.26	75539.85
EM 04	82+53.29	30.17' LT	631.68	534302.58	75547.22
EM 05	82+60.89	27.79' LT	631.75	534307.00	75553.85
EM 06	82+68.67	32.95' LT	631.68	534316.29	75554.74
EM 07	82+72.78	39.47' LT	631.48	534323.59	75552.26
EM 08	82+74.55	44.59' LT	631.39	534328.19	75549.39
EM 10	82+36.33	50.29' LT	631.83	534302.06	75520.91
EM 11	82+37.24	48.55' LT	631.76	534301.68	75522.84
EM 12	82+37.46	48.15' LT	631.38	534301.59	75523.29
EM 13	82+42.21	40.95' LT	631.49	534300.76	75531.87
EM 14	82+45.20	38.20' LT	632.03	534301.35	75535.89
EM 15	82+47.96	35.44' LT	632.09	534301.76	75539.77
EM 16	82+53.61	30.55' LT	632.18	534303.08	75547.13
EM 17	82+60.83	28.29' LT	632.25	534307.26	75553.43
EM 18	82+68.32	33.36' LT	632.18	534316.27	75554.20
EM 19	82+70.85	36.01' LT	631.58	534319.91	75553.73
EM 20	82+70.36	36.18' LT	632.08	534319.64	75553.29
EM 21	82+72.33	39.67' LT	631.49	534323.36	75551.81
EM 22	82+74.04	44.60' LT	631.40	534327.79	75549.06
EM 23	82+74.51	47.63' LT	631.76	534330.06	75547.01
EM 24	82+75.17	49.88' LT	631.17	534331.99	75545.67
EM 25	82+42.13	47.95' LT	631.45	534305.10	75526.38
EM 26	82+44.28	40.87' LT	631.52	534302.32	75533.23
EM 27	82+47.12	47.74' LT	631.53	534308.85	75529.69
EM 28	82+47.22	40.73' LT	631.57	534304.51	75535.19
EM 29	82+52.23	40.52' LT	631.78	534308.27	75538.51
EM 30	82+57.23	40.31' LT	632.00	534312.03	75541.82
EM 31	82+62.23	40.10' LT	631.82	534315.78	75545.13
EM 32	82+67.24	39.89' LT	631.57	534319.54	75548.45
EM 33	82+47.15	45.74' LT	631.54	534307.61	75531.26

EMPLOYERS BLVD MEDIAN RAMPS					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
EM 34	82+52.16	45.53' LT	631.76	534311.37	75534.57
EM 35	82+62.16	45.11' LT	631.77	534318.88	75541.20
EM 36	82+67.17	44.90' LT	631.50	534322.64	75544.51
EM 37	82+72.55	44.67' LT	631.42	534326.67	75548.07
EM 38	82+57.16	45.32' LT	631.97	534315.12	75537.88
EM 39	82+37.00	47.94' LT	631.36	534301.11	75523.16
EM 40	82+41.47	41.04' LT	631.47	534300.24	75531.34

EMPLOYERS BLVD SOUTHWEST RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
ES 01	81+48.12	27.02' LT	631.21	534219.34	75483.32
ES 02	81+60.28	28.85' LT	631.25	534229.89	75489.66
ES 03	81+71.63	33.60' LT	631.17	534241.66	75493.22
ES 04	81+81.48	40.97' LT	631.09	534253.95	75493.81
ES 05	81+89.23	50.52' LT	631.01	534266.00	75491.37
ES 06	81+48.11	27.52' LT	631.67	534219.65	75482.93
ES 07	81+60.15	29.33' LT	631.75	534230.09	75489.20
ES 08	81+71.38	34.03' LT	631.72	534241.74	75492.73
ES 09	81+74.74	45.12' LT	631.19	534251.39	75486.32
ES 10	81+88.34	50.07' LT	631.03	534265.03	75491.16
ES 11	81+74.80	36.30' LT	631.17	534245.83	75493.15
ES 12	81+69.83	39.83' LT	631.32	534244.24	75487.27
ES 14	81+82.95	51.13' LT	631.08	534261.55	75486.90
ES 15	81+74.83	39.89' LT	631.20	534248.14	75490.40
ES 16	81+69.75	44.78' LT	631.32	534247.32	75483.40
ES 17	81+59.83	39.69' LT	631.56	534236.44	75481.01
ES 18	81+59.75	44.57' LT	631.59	534239.48	75477.20
ES 19	81+46.90	39.51' LT	631.86	534226.36	75472.91
ES 20	81+46.75	44.32' LT	631.94	534229.30	75469.11

EMPLOYERS BLVD NORTH RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
EN 01	83+47.77	65.98' LT	630.64	534398.89	75579.42
EN 02	83+48.05	66.40' LT	631.14	534399.36	75579.27
EN 03	83+52.30	63.77' LT	630.81	534400.97	75584.01
EN 04	83+56.54	61.22' LT	630.86	534402.62	75588.68
EN 05	83+59.96	59.34' LT	631.48	534404.06	75592.30
EN 06	83+53.18	65.52' LT	630.96	534402.76	75583.22
EN 07	83+57.58	63.14' LT	630.99	534404.64	75587.85
EN 08	83+55.67	70.12' LT	631.33	534407.61	75581.25
EN 09	83+60.07	67.75' LT	631.32	534409.49	75585.89
EN 10	83+64.51	65.46' LT	631.65	534411.47	75590.48
EN 11	83+58.04	74.52' LT	631.40	534412.25	75579.37
EN 12	83+62.44	72.15' LT	631.39	534414.13	75584.01
EN 13	83+66.80	69.91' LT	631.70	534416.06	75588.51
EN 14	83+68.96	63.17' LT	631.97	534413.44	75595.08
EN 15	83+71.25	67.62' LT	632.03	534418.03	75593.10
EN 16	83+73.47	60.74' LT	632.23	534415.37	75599.82
EN 17	83+75.17	65.34' LT	632.33	534419.61	75597.36
EN 18	83+56.29	60.78' LT	630.85	534402.15	75588.85
EN 19	83+52.02	63.30' LT	630.79	534400.46	75584.19

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NOTE:
CONTRACTOR TO VERIFY ELEVATIONS, GRADES, SLOPES AND LENGTHS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

ALL CURB RAMPS SHALL BE CONSTRUCTED WITH CONCRETE SIDEWALK 6-INCH AND DETECTABLE WARNING FIELDS, NATURAL PATINA.

ALL CURB & GUTTER SHALL BE CONCRETE CURB INTEGRAL TYPE D, EXCEPT WHERE NOTED.

SEE SDD 8D5 CURB RAMPS FOR ADDITIONAL INFORMATION PERTINENT TO PROPER CURB RAMP CONSTRUCTION.

LEGEND

C	CONCRETE FLARE	CS04	CONCRETE SIDEWALK, 4-INCH
GR	GRADED GRASS FLARE	CS06	CONCRETE SIDEWALK, 6-INCH
LL	LEVEL LANDING		

FORTUNE AVENUE NORTHEAST RAMP

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
FN 01	83+19.57	54.02' RT	631.60	534301.13	75654.36
FN 02	83+27.49	40.95' RT	631.74	534315.17	75648.98
FN 03	83+27.71	41.49' RT	632.24	534315.00	75649.54
FN 04	83+31.50	36.13' RT	631.81	534321.33	75647.81
FN 05	83+32.17	36.11' RT	631.82	534321.87	75648.23
FN 06	83+35.04	33.31' RT	632.35	534325.86	75647.89
FN 07	83+32.04	41.11' RT	631.83	534318.58	75652.00
FN 08	83+36.57	41.23' RT	631.90	534322.00	75654.97
FN 09	83+36.71	36.23' RT	631.89	534325.29	75651.20
FN 10	83+41.57	41.36' RT	631.97	534325.77	75658.26
FN 11	83+41.83	38.84' RT	632.01	534327.58	75656.48
FN 12	83+37.25	35.32' RT	631.93	534326.28	75650.85
FN 13	83+48.83	29.58' RT	632.28	534338.87	75653.80
FN 14	83+48.89	34.58' RT	632.20	534335.73	75657.69
FN 15	83+58.63	34.67' RT	632.89	534343.19	75663.96
FN 16	83+58.68	29.88' RT	632.84	534346.28	75660.29
FN 17	83+34.58	32.93' RT	631.85	534325.75	75647.31
FN 18	83+76.40	16.01' RT	632.27	534368.77	75660.87
FN 19	83+76.40	16.51' RT	632.76	534368.46	75661.26
FN 20	83+43.10	30.52' RT	632.09	534333.86	75650.87

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	INTERSECTION DETAIL: FORTUNE AVENUE NORTHEAST QUADRANT	SHEET 21	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\021101_ID_CR.DWG
LAYOUT NAME - 021101_CR_FNE QUAD
PLOT DATE : 10/12/2023 7:59 AM
PLOT BY : VERONIKA BYRA
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

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LEGEND

- C — CONCRETE FLARE
- GR — GRADED GRASS FLARE
- LL — LEVEL LANDING
- CS04 — CONCRETE SIDEWALK, 4-INCH
- CS06 — CONCRETE SIDEWALK, 6-INCH

LAWRENCE DRIVE

N39°32'48"E

N38°59'29"E

PI: 81+93.41

82+00

83+00

TYPE 3 CURB RAMP

TYPE 4B1 CURB RAMP

TYPE 4B1 CURB RAMP

TYPE 3 CURB RAMP

FS 01 631.28 FL
FS 02 631.31 FL
FS36 631.33
FS 09 631.32 FL
FS37 631.34 FL
FS 10 631.35
FS 07 631.79
FS 08 631.81
FS 18 631.36
FS 03 631.37 FL
FS 11 631.87
FS 20 631.42
FS 30 632.38
FS 19 631.41
FS 24 631.65
FS 25 631.59
FS 04 631.53 FL
FS 12 632.03
FS 13 631.59
FS35 631.61 FL
FS 31 632.41
FS 26 632.00
FS 28 631.71
FS 29 631.66
FS 21 631.97
FS34 631.68 FL
FS 14 631.69
FS 32 632.07
FS 33 632.06
FS 23 631.72
FS 27 632.01
FS 22 631.70
FS 05 631.71 FL
FS 15 632.20
FS 16 632.05
FS 17 632.13
FS 06 631.63 FL

FM 18 632.51
FM 27 632.06
FM 07 631.85 FL
FM 19 632.35
FM 20 632.30
FM 06 632.01 FL
FM 17 632.03
FM 05 632.02 FL
FM 04 632.02 FL
FM 08 631.80 FL
FM 21 631.76
FM 09 631.74 FL
FM 29 632.14
FM 31 632.09
FM 33 631.98
FM 16 632.03
FM 03 632.02 FL
FM 15 632.03
FM 22 631.74
FM 10 631.72 FL
FM 26 632.09
FM 30 632.13
FM 11 631.70 FL
FM 25 632.06
FM 28 632.20
FM 32 631.95
FM 23 632.20
FM 02 632.02 FL
FM 34 631.77
FM 14 632.52
FM 12 631.65 FL
FM 24 632.15
FM 01 631.93 FL
FM 13 632.43

SLOPE INTERCEPT (TYP)

EXISTING LEVEL LANDING WAS FIELD VERIFIED

EXISTING R/W

R=17'

2'X 5' DWF

4' TAPER

FORTUNE AVENUE

NOTE:
CONTRACTOR TO VERIFY ELEVATIONS, GRADES, SLOPES AND LENGTHS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

ALL CURB RAMPS SHALL BE CONSTRUCTED WITH CONCRETE SIDEWALK 6-INCH AND DETECTABLE WARNING FIELDS, NATURAL PATINA.

ALL CURB & GUTTER SHALL BE CONCRETE CURB INTEGRAL TYPE D, EXCEPT WHERE NOTED.

SEE SDD 8D5 CURB RAMPS FOR ADDITIONAL INFORMATION PERTINENT TO PROPER CURB RAMP CONSTRUCTION.

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	INTERSECTION DETAIL: FORTUNE AVENUE SOUTHEAST QUADRANT	SHEET 22	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\021101_ID_CR.DWG
LAYOUT NAME - 021101_CR_FSE QUAD
PLOT DATE : 10/12/2023 9:29 AM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

FORTUNE AVENUE SOUTHEAST RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
FS 01	81+56.87	16.00' RT	631.28	534198.69	75522.06
FS 02	81+74.29	18.83' RT	631.31	534210.33	75535.34
FS 03	81+85.11	23.77' RT	631.37	534215.53	75546.04
FS 04	82+02.96	41.72' RT	631.53	534218.24	75571.43
FS 05	82+08.38	53.01' RT	631.71	534215.34	75583.61
FS 06	82+11.53	65.81' RT	631.63	534209.74	75595.54
FS 07	81+56.87	16.50' RT	631.79	534198.38	75522.45
FS 08	81+74.39	19.40' RT	631.81	534210.04	75535.85
FS 09	81+77.20	19.90' RT	631.32	534211.89	75538.01
FS 10	81+82.19	22.74' RT	631.35	534213.93	75543.39
FS 11	81+84.80	24.22' RT	631.87	534215.00	75546.19
FS 12	82+02.53	42.02' RT	632.03	534217.72	75571.39
FS 13	82+03.99	44.60' RT	631.59	534217.22	75574.32
FS 14	82+06.25	49.22' RT	631.69	534216.07	75579.33
FS 15	82+07.62	52.93' RT	632.20	534214.81	75583.08
FS 16	82+09.25	58.26' RT	632.05	534212.72	75588.25
FS 17	82+11.04	65.92' RT	632.13	534209.29	75595.32
FS 18	81+77.19	22.81' RT	631.36	534210.03	75540.25
FS 19	81+82.18	26.52' RT	631.41	534211.52	75546.29
FS 20	81+77.18	26.50' RT	631.42	534207.68	75543.10
FS 21	81+96.57	46.53' RT	631.97	534210.24	75571.14
FS 22	82+05.16	49.49' RT	631.70	534215.05	75578.85
FS 23	82+03.21	49.93' RT	631.72	534213.26	75577.97
FS 24	81+77.18	30.48' RT	631.65	534205.14	75546.16
FS 25	81+82.18	31.72' RT	631.59	534208.20	75550.30
FS 26	81+94.87	46.98' RT	632.00	534208.64	75570.43
FS 27	81+97.85	51.35' RT	632.01	534208.20	75575.70
FS 28	81+76.50	35.35' RT	631.71	534201.51	75549.49
FS 29	81+81.43	36.75' RT	631.66	534204.42	75553.71
FS 30	81+66.65	30.36' RT	632.38	534197.10	75539.37
FS 31	81+66.60	35.27' RT	632.41	534193.93	75543.12
FS 32	81+90.50	48.30' RT	632.07	534204.07	75568.38
FS 33	81+91.51	53.19' RT	632.06	534201.73	75572.80
FS34	82+06.79	49.11' RT	631.68	534216.56	75579.59
FS35	82+04.57	44.50' RT	631.61	534217.74	75574.60
FS36	81+77.20	20.43' RT	631.33	534211.55	75538.43
FS37	81+82.14	22.15' RT	631.34	534214.27	75542.90

FORTUNE AVENUE MEDIAN					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
FM 01	82+47.65	61.85' RT	631.93	534240.31	75615.20
FM 02	82+49.20	42.36' RT	632.02	534253.77	75601.02
FM 03	82+49.47	39.51' RT	632.02	534255.77	75598.98
FM 04	82+49.69	36.78' RT	632.02	534257.67	75596.99
FM 05	82+50.18	34.23' RT	632.02	534259.65	75595.32
FM 06	82+52.20	30.30' RT	632.01	534263.69	75593.54
FM 07	82+60.09	25.85' RT	631.85	534272.62	75595.04
FM 08	82+70.59	29.65' RT	631.80	534278.39	75604.60
FM 09	82+72.79	33.28' RT	631.74	534277.82	75608.81
FM 10	82+74.60	38.35' RT	631.72	534276.04	75613.89
FM 11	82+75.57	40.98' RT	631.70	534275.13	75616.54
FM 12	82+78.68	49.79' RT	631.65	534272.01	75625.35
FM 13	82+48.15	61.89' RT	632.43	534240.67	75615.54
FM 14	82+49.77	42.37' RT	632.52	534254.21	75601.39
FM 15	82+49.98	39.40' RT	632.03	534256.24	75599.21
FM 16	82+50.19	36.82' RT	632.03	534258.03	75597.33
FM 17	82+50.74	34.10' RT	632.03	534260.17	75595.57
FM 18	82+52.65	30.64' RT	632.51	534263.83	75594.08
FM 19	82+60.15	26.35' RT	632.35	534272.36	75595.47
FM 20	82+70.04	29.97' RT	632.30	534277.76	75604.51
FM 21	82+72.24	33.27' RT	631.76	534277.40	75608.45
FM 22	82+74.07	38.33' RT	631.74	534275.63	75613.54
FM 23	82+75.00	41.13' RT	632.20	534274.60	75616.30
FM 24	82+78.21	49.94' RT	632.15	534271.55	75625.17
FM 25	82+51.87	39.10' RT	632.06	534257.90	75600.17
FM 26	82+53.84	38.79' RT	632.09	534259.63	75601.17
FM 27	82+52.73	33.79' RT	632.06	534261.90	75596.58
FM 28	82+58.41	38.07' RT	632.20	534263.63	75603.48
FM 29	82+58.53	32.90' RT	632.14	534266.97	75599.54
FM 30	82+63.41	38.08' RT	632.13	534267.51	75606.64
FM 31	82+63.53	33.01' RT	632.09	534270.79	75602.77
FM 32	82+68.41	38.14' RT	631.95	534271.36	75609.83
FM 33	82+68.52	33.15' RT	631.98	534274.59	75606.02
FM 34	82+72.08	38.26' RT	631.77	534274.13	75612.23

PRESERVE TRAIL CROSSING					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
TC 01	93+59.29	31.14' RT	633.44	535309.01	75846.09
TC 02	94+17.82	31.15' RT	633.13	535367.52	75844.33
TC 03	94+27.82	31.21' RT	633.09	535377.51	75844.09
TC 04	94+33.82	31.02' RT	633.20	535383.51	75843.73
TC 05	94+46.82	31.18' RT	633.30	535396.50	75843.49
TC 06	94+52.23	34.24' RT	633.70	535402.00	75846.38
TC 07	94+94.33	32.76' RT	633.53	535444.04	75843.64
TC 08	94+83.37	23.02' RT	633.31	535432.79	75834.24
TC 09	94+70.64	19.41' RT	633.08	535419.95	75831.01
TC 10	94+56.11	25.89' RT	633.57	535405.62	75837.92
TC 11	94+47.28	21.21' RT	633.26	535396.66	75833.51
TC 12	94+47.33	19.45' RT	633.20	535396.66	75831.75
TC 13	94+33.89	19.50' RT	633.12	535383.22	75832.21
TC 14	94+27.86	19.50' RT	632.92	535377.20	75832.39
TC 15	94+17.89	19.50' RT	632.96	535367.23	75832.69
TC 16	94+17.85	26.27' RT	633.06	535367.40	75839.46
TC 18	93+88.85	19.50' RT	633.36	535338.20	75833.56
TC 19	93+71.26	26.20' RT	633.52	535320.83	75840.79
TC 20	93+59.50	26.21' RT	633.42	535309.07	75841.15
TC 21	93+64.13	16.50' RT	633.19	535313.41	75831.31
TC 22	93+88.85	16.50' RT	633.17	535338.11	75830.56
TC 23	94+17.87	16.55' RT	632.86	535367.13	75829.74
TC 24	94+27.88	16.50' RT	632.82	535377.12	75829.39
TC 25	94+70.19	16.54' RT	632.91	535419.42	75828.16
TC 26	94+85.35	20.69' RT	633.10	535434.70	75831.84
TC 27	94+96.11	32.09' RT	633.42	535445.79	75842.92
TC 28	94+96.77	32.07' RT	633.13	535446.46	75842.87
TC 29	94+85.73	20.33' RT	632.88	535435.07	75831.47
TC 30	94+70.21	16.00' RT	632.64	535419.42	75827.61
TC 31	94+27.88	16.00' RT	632.81	535377.11	75828.89
TC 32	94+17.89	16.00' RT	632.85	535367.13	75829.19
TC 33	93+64.39	16.00' RT	632.94	535313.65	75830.80
TC 34	94+27.95	0.00'	633.05	535376.70	75812.89
TC 35	94+17.96	0.00'	633.08	535366.71	75813.19
TC 36	94+27.96	2.00' LT	633.00	535376.65	75810.89
TC 37	94+17.96	2.09' LT	633.23	535366.66	75811.11
TC 38	94+17.97	4.59' LT	633.28	535366.59	75808.61
TC 39	94+27.97	4.50' LT	633.17	535376.59	75808.40
TC 40	94+27.99	9.46' LT	633.16	535376.46	75803.44
TC 41	94+17.99	9.50' LT	633.19	535366.46	75803.70

PRESERVE TRAIL CROSSING					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
TC 42	94+18.00	12.00' LT	633.15	535366.39	75801.20
TC 43	94+28.00	11.98' LT	633.12	535376.39	75800.92
TC 44	94+28.01	13.96' LT	633.04	535376.34	75798.94
TC 45	94+18.01	14.00' LT	633.06	535366.35	75799.20
TC 46	94+14.94	29.86' LT	632.78	535362.79	75783.44
TC 47	94+15.06	30.52' LT	633.27	535362.90	75782.78
TC 48	94+18.06	30.00' LT	632.77	535365.91	75783.21
TC 49	94+28.06	30.00' LT	632.76	535375.91	75782.90
TC 50	94+31.08	29.98' LT	632.75	535378.93	75782.84
TC 51	94+18.08	30.50' LT	632.97	535365.91	75782.71
TC 52	94+28.08	30.46' LT	632.94	535375.92	75782.44
TC 53	94+31.05	30.53' LT	633.25	535378.88	75782.28
TC 54	94+28.08	32.50' LT	633.06	535375.85	75780.40
TC 55	94+18.08	32.50' LT	633.06	535365.85	75780.71
TC 56	94+18.12	40.82' LT	633.47	535365.65	75772.39
TC 57	94+28.06	40.88' LT	633.50	535375.58	75772.03
TC 58	93+71.26	31.15' RT	633.59	535320.97	75845.74
TC 59	93+88.56	31.16' RT	633.67	535338.26	75845.23
TC 60	93+88.67	26.22' RT	633.60	535338.23	75840.28
TC 61	94+04.53	31.17' RT	633.73	535354.23	75844.76
TC 62	94+04.52	26.19' RT	633.67	535354.07	75839.78

2

LEGEND

C CONCRETE FLARE

GR GRADED GRASS FLARE

LL LEVEL LANDING

CS04 CONCRETE SIDEWALK, 4-INCH

CS06 CONCRETE SIDEWALK, 6-INCH

CS08 CONCRETE SIDEWALK, 8-INCH

CONCRETE TRUCK APRON 12-INCH

NOTE:
CONTRACTOR TO VERIFY ELEVATIONS, GRADES, SLOPES AND LENGTHS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

ALL CURB RAMPS SHALL BE CONSTRUCTED WITH CONCRETE SIDEWALK 6-INCH AND DETECTABLE WARNING FIELDS, NATURAL PATINA.

ALL CURB & GUTTER SHALL BE CONCRETE CURB INTEGRAL TYPE D, EXCEPT WHERE NOTED.

SEE SDD 8D5 CURB RAMPS FOR ADDITIONAL INFORMATION PERTINENT TO PROPER CURB RAMP CONSTRUCTION.

RECTANGULAR RAPID FLASHING BEACON

EXISTING LEVEL LANDING WAS FIELD VERIFIED

EXISTING R/W

TYPE 3 CURB RAMP

TYPE 5 CURB RAMP

TYPE 7B CURB RAMP

2'X 10' DWF

LAWRENCE DRIVE

94+00

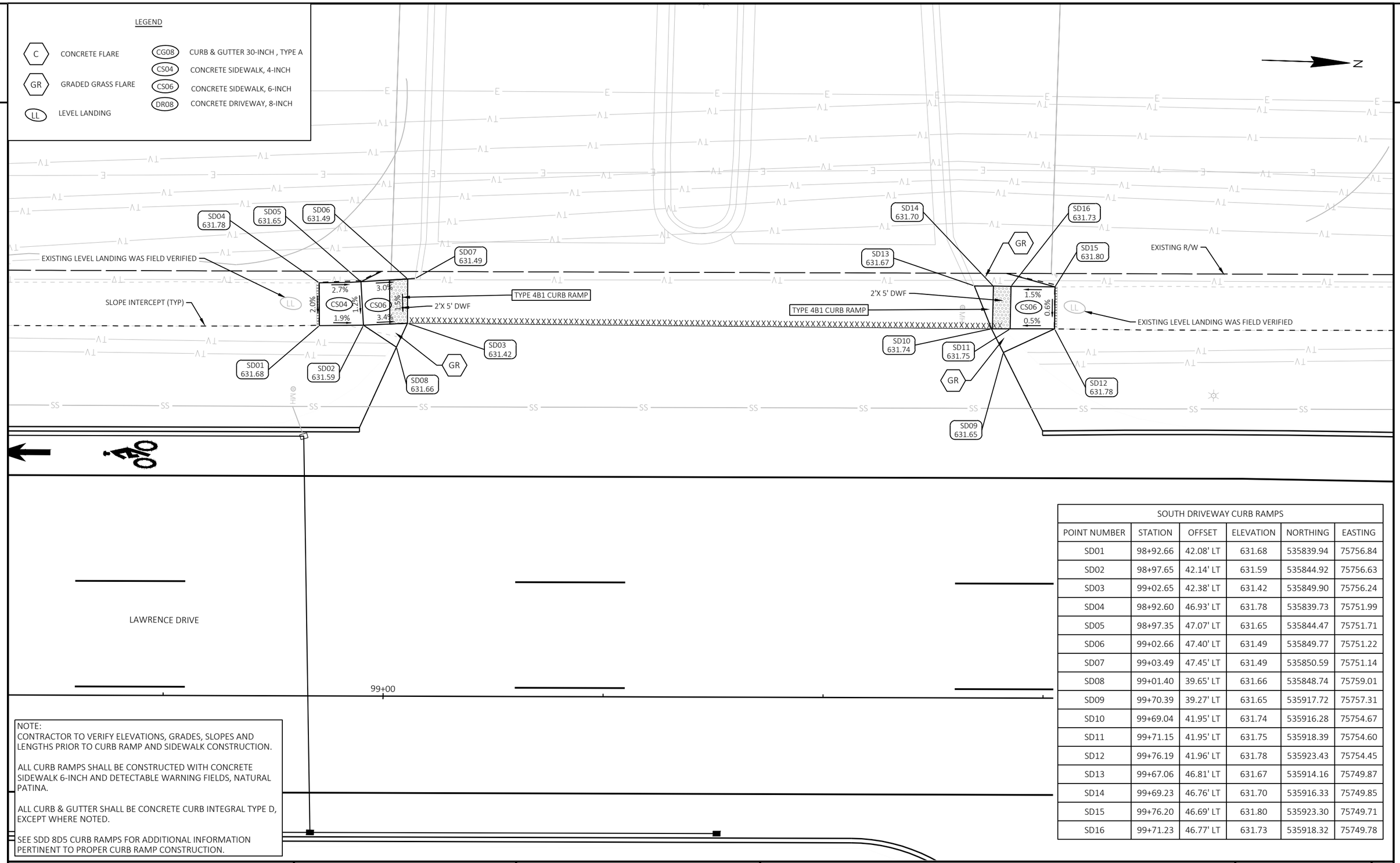
95+00

TC 01 633.44
TC 02 633.13
TC 03 633.09
TC 04 633.20
TC 05 633.30
TC 06 633.70
TC 07 633.53
TC 08 633.31
TC 09 633.08
TC 10 633.57
TC 11 633.26
TC 12 633.20
TC 13 633.12
TC 14 632.92
TC 15 632.96
TC 16 633.06
TC 18 633.36
TC 19 633.52
TC 20 633.42
TC 21 633.19
TC 22 633.17
TC 23 632.86
TC 24 632.82
TC 25 632.91
TC 26 633.10
TC 27 633.42
TC 28 633.13 FL
TC 29 632.88 FL
TC 30 632.64 FL
TC 31 632.81 FL
TC 32 632.85 FL
TC 33 632.94 FL
TC 34 633.05 FL
TC 35 633.08 FL
TC 36 633.00
TC 37 633.23
TC 38 633.28
TC 39 633.17
TC 40 633.16
TC 41 633.19
TC 42 633.15
TC 43 633.12
TC 44 633.04 FL
TC 45 633.06 FL
TC 46 632.78 FL
TC 47 633.27
TC 48 632.77 FL
TC 49 632.76 FL
TC 50 632.75 FL
TC 51 632.97
TC 52 632.94
TC 53 633.25
TC 54 633.06
TC 55 633.06
TC 56 633.47
TC 57 633.50
TC 58 633.59
TC 59 633.67
TC 60 633.60
TC 61 633.73
TC 62 633.67

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	INTERSECTION DETAIL: PRESERVE TRAIL CROSSING	SHEET 24	E

LEGEND

C	CONCRETE FLARE	CG08	CURB & GUTTER 30-INCH , TYPE A
GR	GRADED GRASS FLARE	CS04	CONCRETE SIDEWALK, 4-INCH
		CS06	CONCRETE SIDEWALK, 6-INCH
LL	LEVEL LANDING	DR08	CONCRETE DRIVEWAY, 8-INCH



NOTE:
CONTRACTOR TO VERIFY ELEVATIONS, GRADES, SLOPES AND LENGTHS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

ALL CURB RAMPS SHALL BE CONSTRUCTED WITH CONCRETE SIDEWALK 6-INCH AND DETECTABLE WARNING FIELDS, NATURAL PATINA.

ALL CURB & GUTTER SHALL BE CONCRETE CURB INTEGRAL TYPE D, EXCEPT WHERE NOTED.

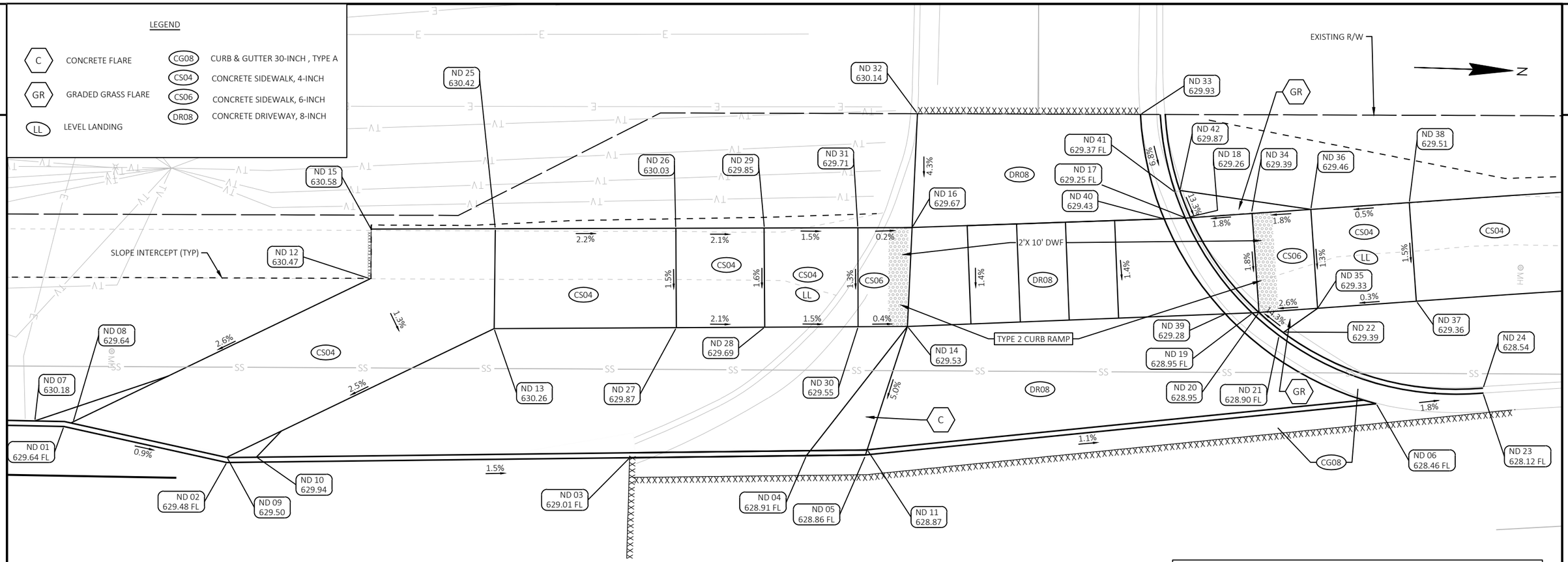
SEE SDD 8D5 CURB RAMPS FOR ADDITIONAL INFORMATION PERTINENT TO PROPER CURB RAMP CONSTRUCTION.

SOUTH DRIVEWAY CURB RAMPS

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
SD01	98+92.66	42.08' LT	631.68	535839.94	75756.84
SD02	98+97.65	42.14' LT	631.59	535844.92	75756.63
SD03	99+02.65	42.38' LT	631.42	535849.90	75756.24
SD04	98+92.60	46.93' LT	631.78	535839.73	75751.99
SD05	98+97.35	47.07' LT	631.65	535844.47	75751.71
SD06	99+02.66	47.40' LT	631.49	535849.77	75751.22
SD07	99+03.49	47.45' LT	631.49	535850.59	75751.14
SD08	99+01.40	39.65' LT	631.66	535848.74	75759.01
SD09	99+70.39	39.27' LT	631.65	535917.72	75757.31
SD10	99+69.04	41.95' LT	631.74	535916.28	75754.67
SD11	99+71.15	41.95' LT	631.75	535918.39	75754.60
SD12	99+76.19	41.96' LT	631.78	535923.43	75754.45
SD13	99+67.06	46.81' LT	631.67	535914.16	75749.87
SD14	99+69.23	46.76' LT	631.70	535916.33	75749.85
SD15	99+76.20	46.69' LT	631.80	535923.30	75749.71
SD16	99+71.23	46.77' LT	631.73	535918.32	75749.78

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	INTERSECTION DETAIL: SOUTH DRIVEWAY CURB RAMPS	SHEET 25 E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\021101_ID_CR.DWG
LAYOUT NAME - 021101_id_SOUTH DRIVEWAY
PLOT DATE : 10/12/2023 9:34 AM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



NOTE:
CONTRACTOR TO VERIFY ELEVATIONS, GRADES, SLOPES AND LENGTHS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

ALL CURB RAMPS SHALL BE CONSTRUCTED WITH CONCRETE SIDEWALK 6-INCH AND DETECTABLE WARNING FIELDS, NATURAL PATINA.

ALL CURB & GUTTER SHALL BE CONCRETE CURB INTEGRAL TYPE D, EXCEPT WHERE NOTED.

SEE SDD 8D5 CURB RAMPS FOR ADDITIONAL INFORMATION PERTINENT TO PROPER CURB RAMP CONSTRUCTION.

NORTH DRIVEWAY					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
ND 01	102+12.12	39.19' LT	629.64	536162.04	75762.49
ND 02	102+28.84	36.75' LT	629.48	536178.66	75765.59
ND 03	102+70.10	40.09' LT	629.01	536219.43	75763.76
ND 04	102+88.67	41.16' LT	628.91	536237.29	75762.97
ND 05	102+94.82	41.38' LT	628.86	536243.27	75762.79
ND 06	103+48.03	47.61' LT	628.46	536294.79	75755.79
ND 07	102+09.15	39.53' LT	630.18	536159.09	75762.03
ND 08	102+13.03	39.70' LT	629.64	536162.97	75762.01
ND 09	102+28.82	37.27' LT	629.50	536178.65	75765.06
ND 10	102+31.81	37.51' LT	629.94	536181.65	75764.94
ND 11	102+94.99	42.00' LT	628.87	536243.43	75762.16
ND 12	102+41.98	56.36' LT	630.47	536192.56	75746.51
ND 13	102+54.87	52.23' LT	630.26	536205.27	75751.15
ND 14	102+98.76	54.63' LT	629.53	536247.09	75749.54
ND 15	102+41.74	61.32' LT	630.58	536192.52	75741.55

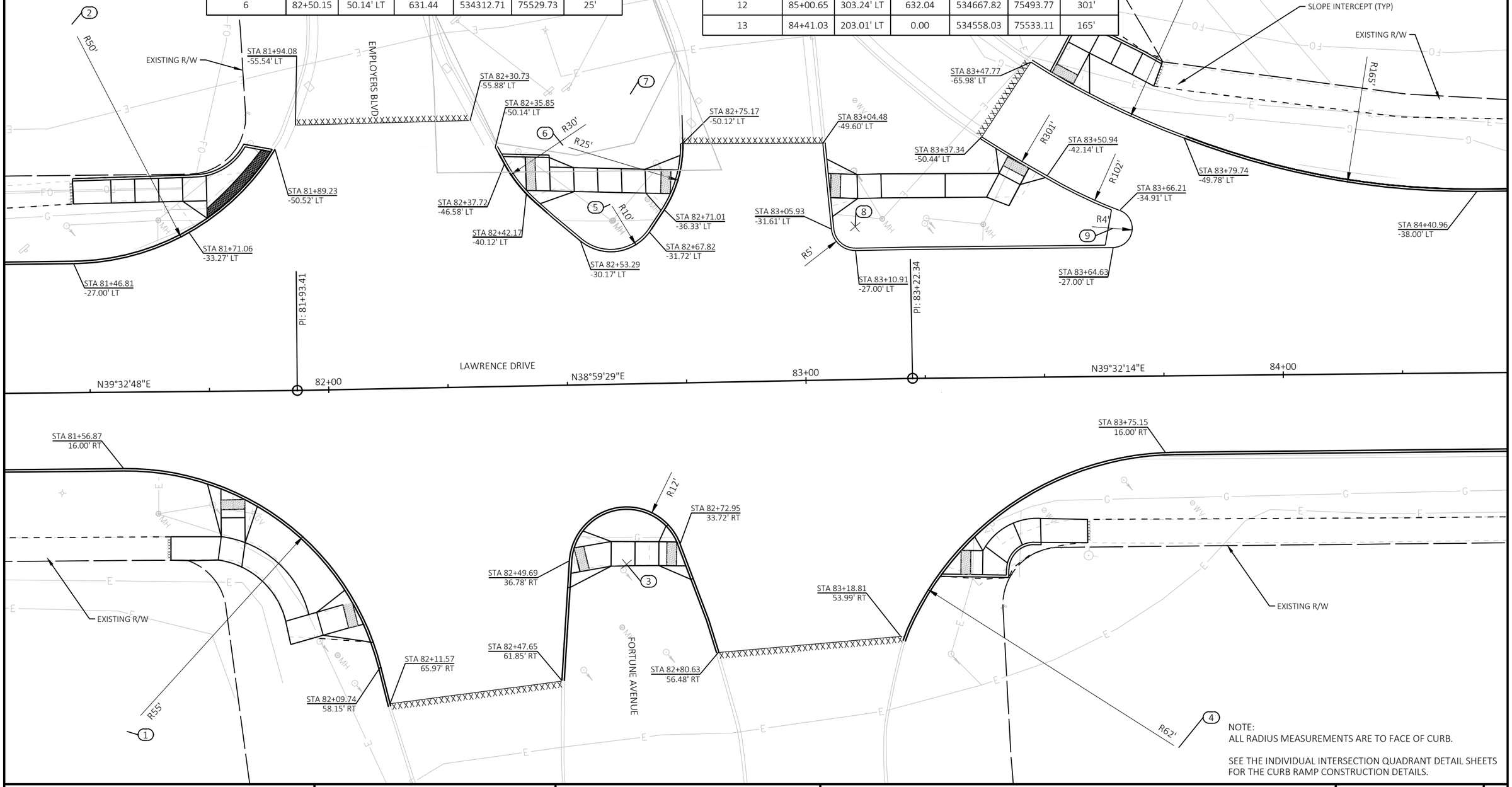
NORTH DRIVEWAY					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
ND 16	102+98.90	64.66' LT	629.67	536247.23	75739.51
ND 17	103+27.85	66.28' LT	629.25	536274.91	75737.63
ND 18	103+28.34	66.32' LT	629.26	536275.37	75737.58
ND 19	103+34.99	56.72' LT	628.95	536281.96	75747.03
ND 20	103+35.68	56.79' LT	628.95	536282.62	75746.95
ND 21	103+37.80	54.45' LT	628.90	536284.72	75749.24
ND 22	103+38.34	54.84' LT	629.39	536285.23	75748.83
ND 23	103+59.19	48.66' LT	628.12	536305.56	75754.35
ND 24	103+59.21	49.16' LT	628.54	536305.55	75753.84
ND 25	102+54.25	62.34' LT	630.42	536205.05	75741.02
ND 26	102+73.61	63.56' LT	630.03	536223.31	75740.37
ND 27	102+74.26	53.50' LT	629.87	536223.71	75750.44
ND 28	102+83.67	53.99' LT	629.69	536232.64	75750.09
ND 29	102+83.16	64.04' LT	629.85	536232.28	75740.05
ND 30	102+93.57	54.43' LT	629.55	536242.10	75749.73

NORTH DRIVEWAY					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
ND 31	102+93.16	64.45' LT	629.71	536241.74	75739.71
ND 32	102+99.06	76.21' LT	630.14	536247.38	75727.96
ND 33	103+22.85	76.71' LT	629.93	536269.97	75727.28
ND 34	103+34.79	66.90' LT	629.39	536281.53	75736.86
ND 35	103+41.86	57.25' LT	629.33	536288.54	75746.34
ND 36	103+41.08	67.28' LT	629.46	536287.52	75736.33
ND 37	103+52.25	57.99' LT	629.36	536298.51	75745.28
ND 38	103+51.52	67.98' LT	629.51	536297.47	75735.31
ND 39	103+32.14	56.62' LT	629.28	536279.22	75747.20
ND 40	103+25.54	66.17' LT	629.43	536272.70	75737.78
ND 41	103+26.64	68.89' LT	629.37	536273.70	75735.03
ND 42	103+27.17	69.06' LT	629.87	536274.20	75734.86

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	INTERSECTION DETAIL: NORTH DRIVEWAY	SHEET 26	E

STATION & OFFSET TABLE						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	RADIUS
1	81+56.87	71.00' RT	0.00	534163.68	75564.48	55'
2	81+46.81	77.00' LT	0.00	534250.15	75443.95	50'
3	82+61.65	37.75' RT	0.00	534266.35	75605.27	12'
4	83+77.20	78.00' RT	0.00	534329.93	75709.20	62'
5	82+59.83	37.74' LT	631.44	534312.43	75545.45	10'
6	82+50.15	50.14' LT	631.44	534312.71	75529.73	25'

STATION & OFFSET TABLE						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	RADIUS
7	82+64.27	60.54' LT	631.44	534330.23	75530.53	30'
8	83+10.91	32.00' LT	0.00	534348.52	75582.06	5'
9	83+64.63	31.00' LT	0.00	534389.62	75617.13	4'
10	84+03.22	129.73' LT	0.00	534482.23	75565.56	102'
11	84+37.92	204.18' LT	0.00	534556.38	75530.22	165'
12	85+00.65	303.24' LT	632.04	534667.82	75493.77	301'
13	84+41.03	203.01' LT	0.00	534558.03	75533.11	165'

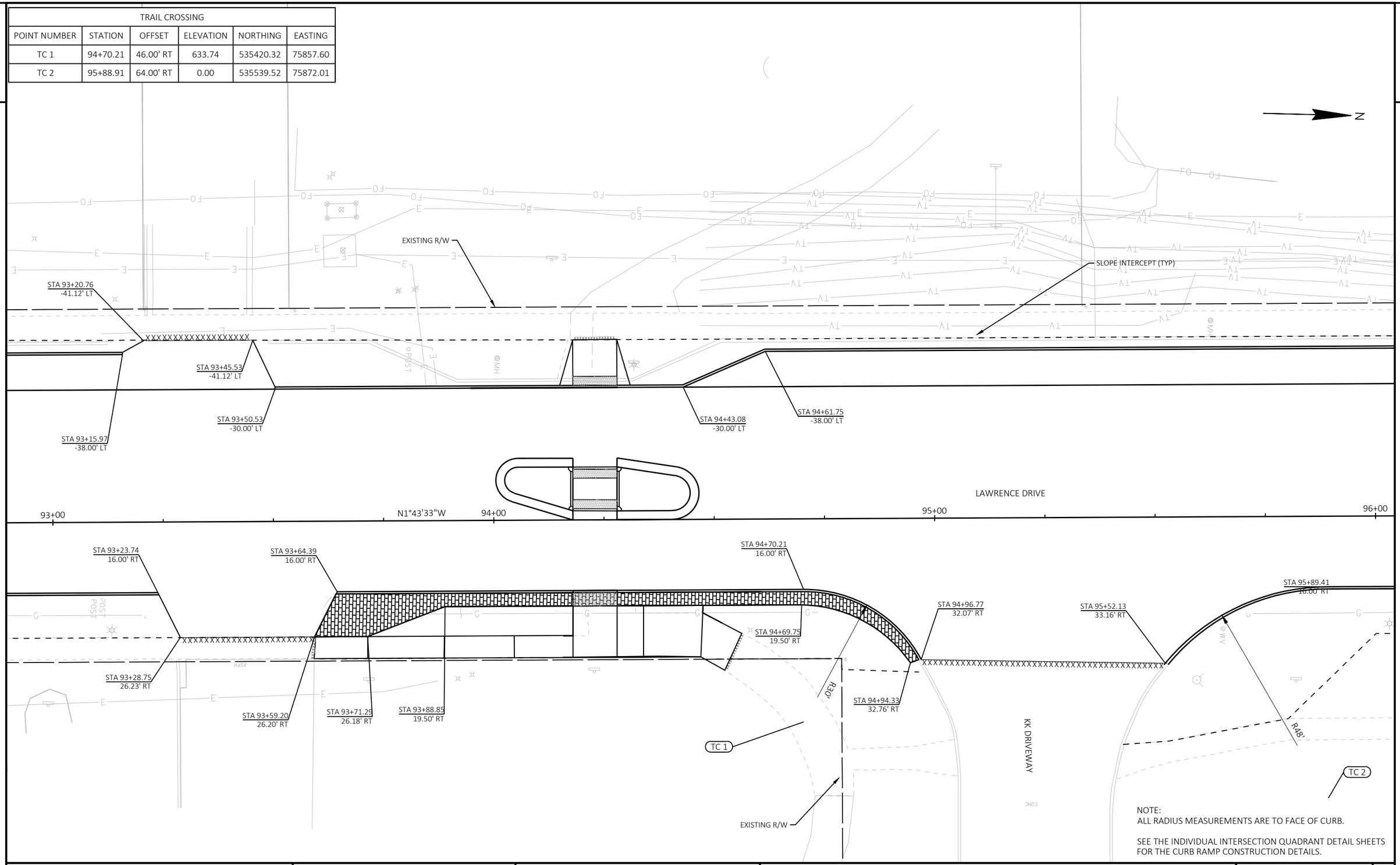


NOTE:
ALL RADIUS MEASUREMENTS ARE TO FACE OF CURB.

SEE THE INDIVIDUAL INTERSECTION QUADRANT DETAIL SHEETS FOR THE CURB RAMP CONSTRUCTION DETAILS.

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	INTERSECTION DETAIL	SHEET 27	E

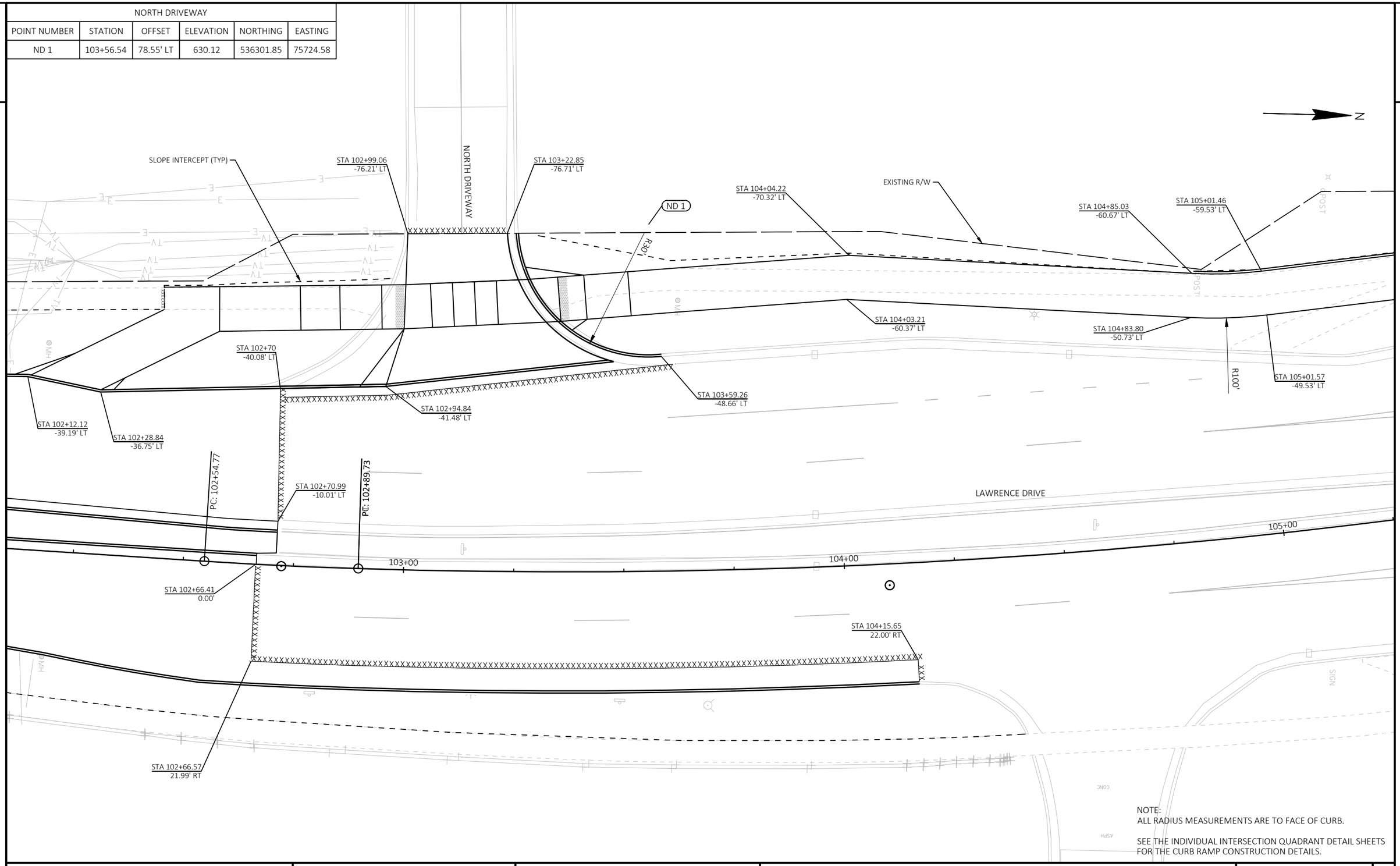
TRAIL CROSSING					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
TC 1	94+70.21	46.00' RT	633.74	535420.32	75857.60
TC 2	95+88.91	64.00' RT	0.00	535539.52	75872.01



PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	INTERSECTION DETAIL	SHEET 28	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\021101_ID.DWG
LAYOUT NAME - 021102_id Trail Crossing
PLOT DATE : 8/28/2023 4:54 PM PLOT BY : DOUGLAS HOBYAN PLOT NAME : PLOT SCALE : 1 IN:20 FT

NORTH DRIVEWAY					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
ND 1	103+56.54	78.55' LT	630.12	536301.85	75724.58



NOTE:
ALL RADIUS MEASUREMENTS ARE TO FACE OF CURB.

SEE THE INDIVIDUAL INTERSECTION QUADRANT DETAIL SHEETS FOR THE CURB RAMP CONSTRUCTION DETAILS.

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	INTERSECTION DETAIL	SHEET 29	E

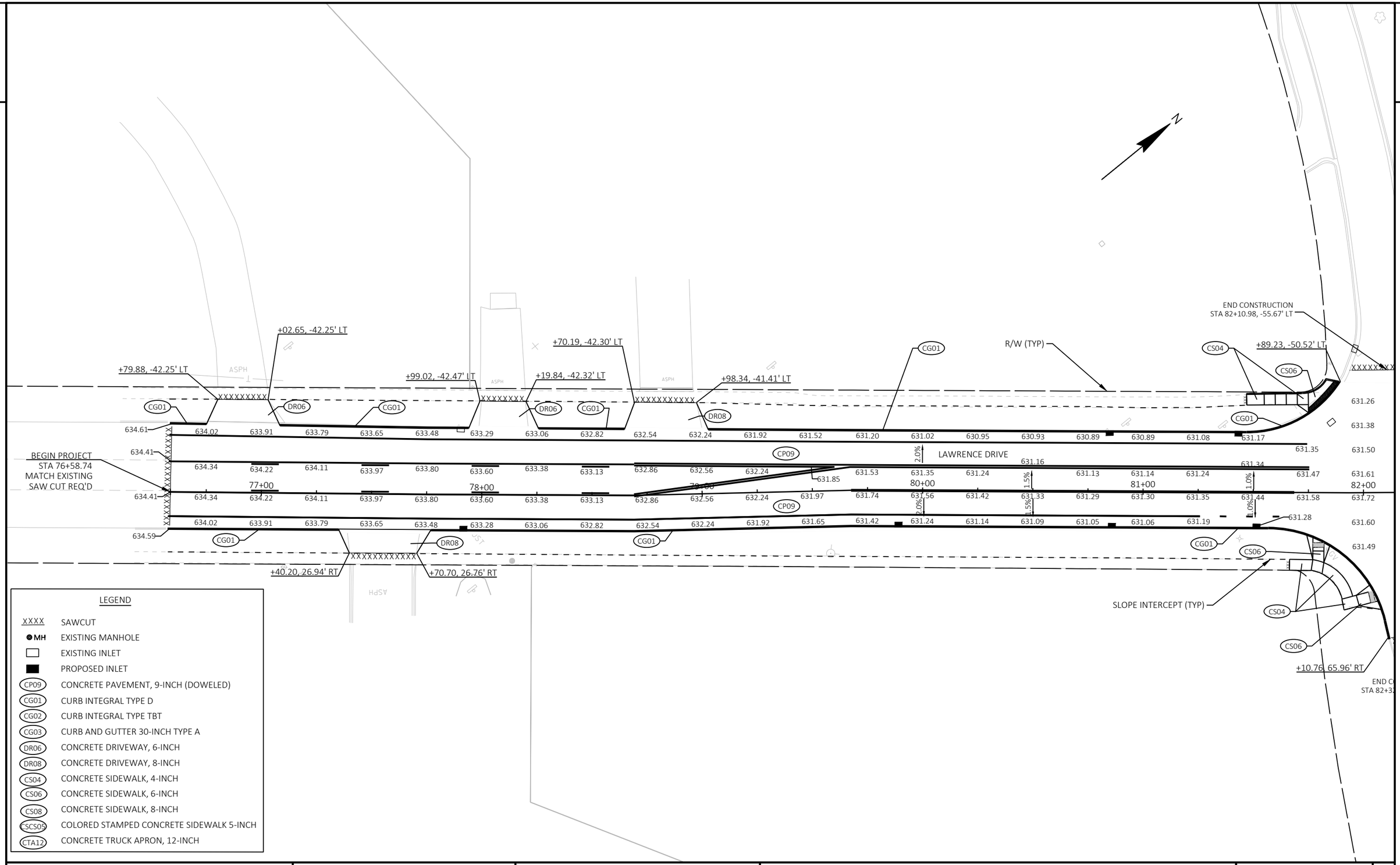
FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\021101_ID.DWG
LAYOUT NAME - 021102_id N Driveway

PLOT DATE : 8/28/2023 4:41 PM PLOT BY : DOUGLAS HOBYAN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

2



PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	PAVING DETAIL	SHEET 30	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\021101_ID_PAVING GRADES.DWG
LAYOUT NAME - 02101_pg5

PLOT DATE : 9/7/2023 12:35 PM PLOT BY : DOUGLAS HOBYAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

END CONSTRUCTION
STA 82+10.98, -55.67' LT

+89.23, -50.52' LT

END CONSTRUCTION
STA 82+89.82, -49.88' LT

+36.35, -50.61' LT

+74.50, -49.98' LT

+04.65, -49.61' LT

+37.06, -50.02' LT

+47.76, -65.99' LT

CONCRETE MEDIAN SLOPED NOSE, TYPE 1

EMPLOYERS BLVD

LAWRENCE DRIVE

FORTUNE AVE

R/W (TYP)

+10.76, 65.96' RT

END CONSTRUCTION
STA 82+32.36, 63.65' RT

+79.99, 56.66' RT

+48.28, 61.91' RT

END CONSTRUCTION
STA 83+00.60, 55.21' RT

+20.17, 53.87' RT

SLOPE INTERCEPT (TYP)

82+00

83+00

84+00

85+00

86+00

87+00

CS04 CS06 CG01 CP09

LEGEND

XXXX	SAWCUT
MH	EXISTING MANHOLE
	EXISTING INLET
	PROPOSED INLET
CP09	CONCRETE PAVEMENT, 9-INCH (DOWELED)
CG01	CURB INTEGRAL TYPE D
CG02	CURB INTEGRAL TYPE TBT
CG03	CURB AND GUTTER 30-INCH TYPE A
DR06	CONCRETE DRIVEWAY, 6-INCH
DR08	CONCRETE DRIVEWAY, 8-INCH
CS04	CONCRETE SIDEWALK, 4-INCH
CS06	CONCRETE SIDEWALK, 6-INCH
CS08	CONCRETE SIDEWALK, 8-INCH
CSCS05	COLORED STAMPED CONCRETE SIDEWALK 5-INCH
CTA12	CONCRETE TRUCK APRON, 12-INCH

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	PAVING DETAIL	SHEET 31	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\021101_ID_PAVING GRADES.DWG
LAYOUT NAME - 02101_pg6

PLOT DATE : 10/30/2023 9:08 AM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

R/W (TYP)

+20.76, -41.12' LT

+45.53, -41.12' LT

+31.66, -38.00' LT

+10.05, -30.50' LT

LAWRENCE DRIVE

+15.50, 26.01' RT

+42.38, 25.98' RT

+44.88, 26.04' RT

+72.99, 26.23' RT

+28.75, 26.13' RT

+59.20, 26.21' RT

SLOPE INTERCEPT (TYP)

LEGEND

XXXX	SAWCUT
MH	EXISTING MANHOLE
	EXISTING INLET
	PROPOSED INLET
CP09	CONCRETE PAVEMENT, 9-INCH (DOWELED)
CG01	CURB INTEGRAL TYPE D
CG02	CURB INTEGRAL TYPE TBT
CG03	CURB AND GUTTER 30-INCH TYPE A
DR06	CONCRETE DRIVEWAY, 6-INCH
DR08	CONCRETE DRIVEWAY, 8-INCH
CS04	CONCRETE SIDEWALK, 4-INCH
CS06	CONCRETE SIDEWALK, 6-INCH
CS08	CONCRETE SIDEWALK, 8-INCH
CSCS05	COLORED STAMPED CONCRETE SIDEWALK 5-INCH
CTA12	CONCRETE TRUCK APRON, 12-INCH

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	PAVING DETAIL	SHEET 32	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\021101_ID_PAVING GRADES.DWG
LAYOUT NAME - 02101_pg7

PLOT DATE : 10/30/2023 9:11 AM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

XXXX	SAWCUT
MH	EXISTING MANHOLE
	EXISTING INLET
	PROPOSED INLET
CP09	CONCRETE PAVEMENT, 9-INCH (DOWELED)
CG01	CURB INTEGRAL TYPE D
CG02	CURB INTEGRAL TYPE TBT
CG03	CURB AND GUTTER 30-INCH TYPE A
DR06	CONCRETE DRIVEWAY, 6-INCH
DR08	CONCRETE DRIVEWAY, 8-INCH
CS04	CONCRETE SIDEWALK, 4-INCH
CS06	CONCRETE SIDEWALK, 6-INCH
CS08	CONCRETE SIDEWALK, 8-INCH
CSCS05	COLORED STAMPED CONCRETE SIDEWALK 5-INCH
CTA12	CONCRETE TRUCK APRON, 12-INCH

N

R/W (TYP)

+61.75, -38.00' LT

+75.01, -30.00' LT

+18.12, -40.82' LT

+28.06, -40.91' LT

+02.46, -42.59' LT

+68.92, -42.19' LT

2' x 5' DWF

LAWRENCE DRIVE

95+00

96+00

97+00

98+00

99+00

100+00

SLOPE INTERCEPT (TYP)

+52.89, 33.34' RT

+96.77, 32.07' RT

+70.06, 26.11' RT

+97.42, 26.09' RT

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	PAVING DETAIL	SHEET 33 E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\021101_ID_PAVING GRADES.DWG
LAYOUT NAME - 02101_pg8

PLOT DATE : 9/7/2023 11:57 PM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

XXXX	SAWCUT
MH	EXISTING MANHOLE
	EXISTING INLET
	PROPOSED INLET
CP09	CONCRETE PAVEMENT, 9-INCH (DOWELED)
CG01	CURB INTEGRAL TYPE D
CG02	CURB INTEGRAL TYPE TBT
CG03	CURB AND GUTTER 30-INCH TYPE A
DR06	CONCRETE DRIVEWAY, 6-INCH
DR08	CONCRETE DRIVEWAY, 8-INCH
CS04	CONCRETE SIDEWALK, 4-INCH
CS06	CONCRETE SIDEWALK, 6-INCH
CS08	CONCRETE SIDEWALK, 8-INCH
CSCS05	COLORED STAMPED CONCRETE SIDEWALK 5-INCH
CTA12	CONCRETE TRUCK APRON, 12-INCH

N

+99.06, -76.21' LT

+25.49, -76.74' LT

+59.26, -49.32' LT

R/W (TYP)

END PROJECT
STA 105+80.43

END CONSTRUCTION
STA 102+70.67

END CONSTRUCTION
STA 102+66.49

END CONSTRUCTION
STA 104+15.65

LAWRENCE DRIVE

SLOPE INTERCEPT (TYP)

631.10 631.06 630.96 630.80 630.46 630.14 629.80 629.51 629.18 628.91

631.43 631.41 631.34 631.21 630.92 630.63 630.33 630.04 629.74 629.42

631.43 631.41 631.34 631.21 631.02 630.78 630.48 630.15 629.82 629.67

631.11 631.09 631.03 630.88 631.06 630.60 630.56 629.67 629.28 628.93 628.72 628.55 628.42 628.36 628.35

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

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	PAVING DETAIL	SHEET 34 E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\021101_ID_PAVING GRADES.DWG
LAYOUT NAME - 02101_pg9

PLOT DATE : 9/7/2023 12:38 PM PLOT BY : DOUGLAS HOBYAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

BEGIN PROJECT
STA 76+58.74

SLOPE INTERCEPTS

EMPLOYERS BLVD

LAWRENCE DRIVE

FORTUNE AVE

77+00 78+00 79+00 80+00 81+00 82+00

R/W

LEGEND

- SURFACE WATER FLOW
- SLOPE INTERCEPT
- EROSION MAT URBAN CLASS I TYPE A
- INLET PROTECTION
  - (B) TYPE B
  - (C) TYPE C
  - (D) TYPE D
  - (A,B) TYPE A, THEN TYPE B
  - (A,C) TYPE A, THEN TYPE C
  - (A,D) TYPE A, THEN TYPE D

NOTE: A TRACKING PAD SHALL BE USED AT THE EGRESS POINTS FROM THE PROJECT AT THE SOUTHERN AND NORTHERN PROJECT CONSTRUCTION LIMITS AND AT THE CONSTRUCTION LIMITS ON FORTUNE AVENUE AT A MINIMUM.

EMPLOYERS BLVD

FORTUNE AVE

LAWRENCE DRIVE

SLOPE INTERCEPTS

83+00 84+00 85+00 86+00 87+00 88+00 89+00

R/W

INLET PROTECTION, TYPE C IS REQUIRED IN THE INLETS LOCATED IN THE NORTH AND SOUTH CURB LINES OF FORTUNE AVENUE APPROXIMATELY 425 FEET EAST OF LAWRENCE DRIVE.

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	EROSION CONTROL	SHEET 35	E

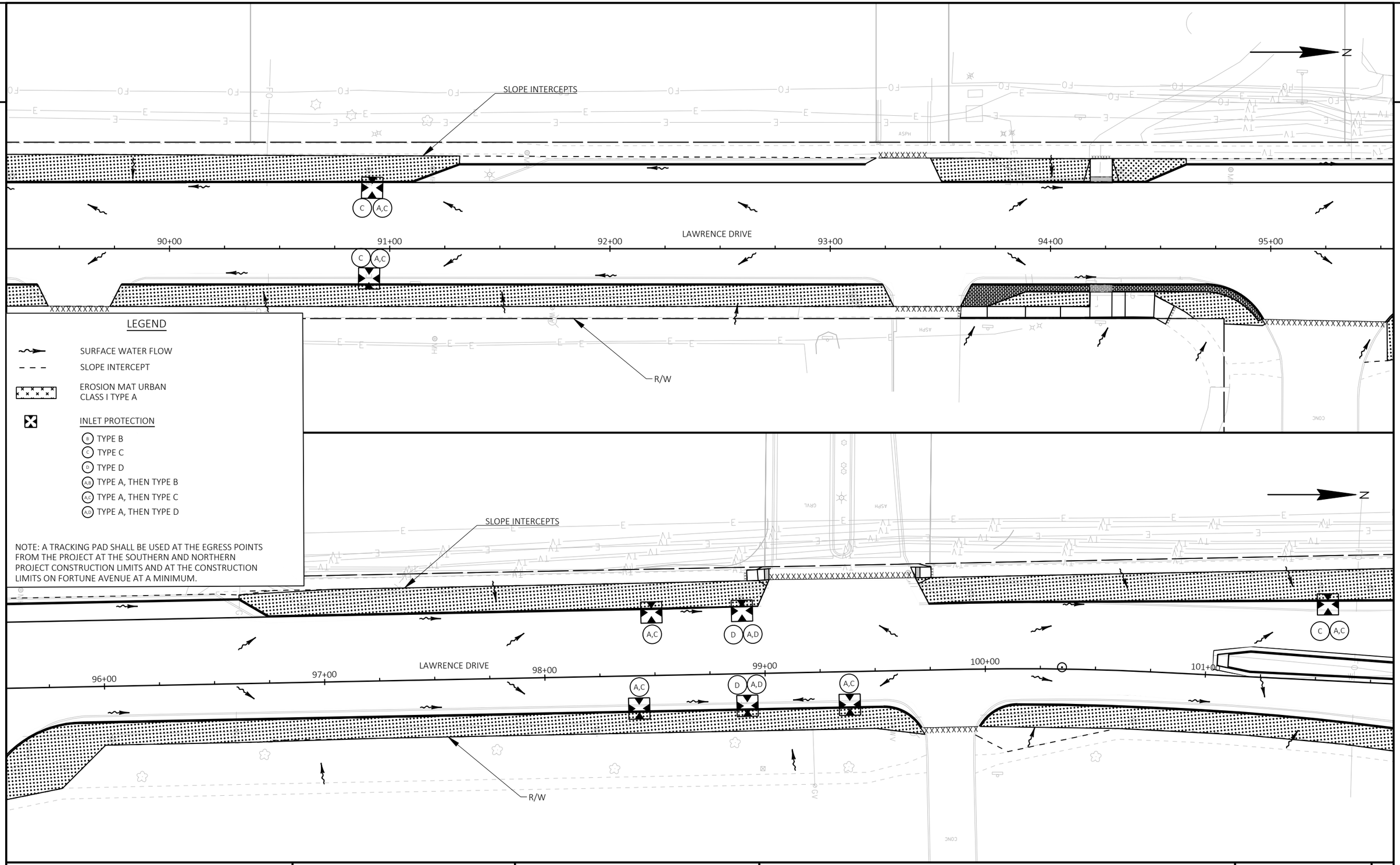
FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\022001-EC.DWG
LAYOUT NAME - 01

PLOT DATE : 9/7/2023 10:04 PM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

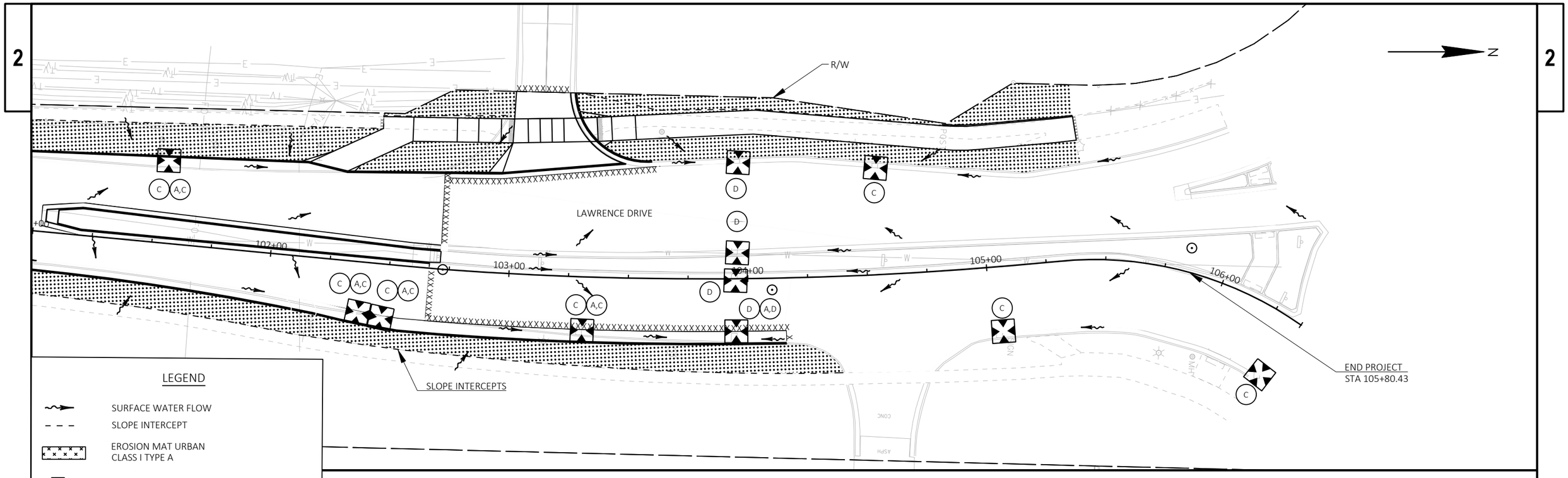
2

2



PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	EROSION CONTROL	SHEET 36	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\022001-EC.DWG
LAYOUT NAME - 02
PLOT DATE : 9/7/2023 9:50 PM
PLOT BY : VERONIKA BYRA
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



LEGEND

- SURFACE WATER FLOW
- SLOPE INTERCEPT
- EROSION MAT URBAN CLASS I TYPE A
- INLET PROTECTION
  - (B) TYPE B
  - (C) TYPE C
  - (D) TYPE D
  - (A,B) TYPE A, THEN TYPE B
  - (A,C) TYPE A, THEN TYPE C
  - (A,D) TYPE A, THEN TYPE D

NOTE: A TRACKING PAD SHALL BE USED AT THE EGRESS POINTS FROM THE PROJECT AT THE SOUTHERN AND NORTHERN PROJECT CONSTRUCTION LIMITS AND AT THE CONSTRUCTION LIMITS ON FORTUNE AVENUE AT A MINIMUM.

PROJECT NO: 4895-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	EROSION CONTROL	SHEET 37	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\022001-EC.DWG
LAYOUT NAME - 03
PLOT DATE : 9/7/2023 12:57 PM
PLOT BY : VERONIKA BYRA
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

2

BEGIN PROJECT
STA 76+58.74

R/W

SLOPE INTERCEPT

CAUTION

LAWRENCE DRIVE

77+00 78+00 79+00 80+00 81+00 82+00

EMPLOYERS BLVD

FORTUNE AVE

83+00 84+00 85+00 86+00 87+00 88+00 89+00

CAUTION

LAWRENCE DRIVE

SLOPE INTERCEPT

R/W

EMPLOYERS BLVD

FORTUNE AVE

LEGEND

- REMOVING INLETS
- REMOVING STORM SEWER
- ABANDONING INLETS
- ABANDONING SEWER
- XXXXX SAWING ASPHALT/CONCRETE
- REMOVING CONCRETE SIDEWALK
- REMOVING CONCRETE PAVEMENT
- REMOVING ASPHALTIC SURFACE MILLING

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	REMOVAL PLAN	SHEET 38	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\021101-RM.DWG
LAYOUT NAME - 020201_pm

PLOT DATE : 12/6/2023 3:36 PM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

R/W

XXXXXXXXX

XXXX

CAUTION

LAWRENCE DRIVE

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

XXXXXXXXXXX

CAUTION

XXXXXXXXXXX

XXXXXXXXXXXXXXXXXXXX

SLOPE INTERCEPT

N

LEGEND

- REMOVING INLETS
- REMOVING STORM SEWER
- ABANDONING INLETS
- ABANDONING SEWER
- XXXXX SAWING ASPHALT/CONCRETE
- REMOVING CONCRETE SIDEWALK
- REMOVING CONCRETE PAVEMENT
- REMOVING ASPHALTIC SURFACE MILLING

N

R/W

XXXXXXXXXXXXXXXXXXXXXXXXXXX

CAUTION

LAWRENCE DRIVE

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

CAUTION

XXXXXXXXX

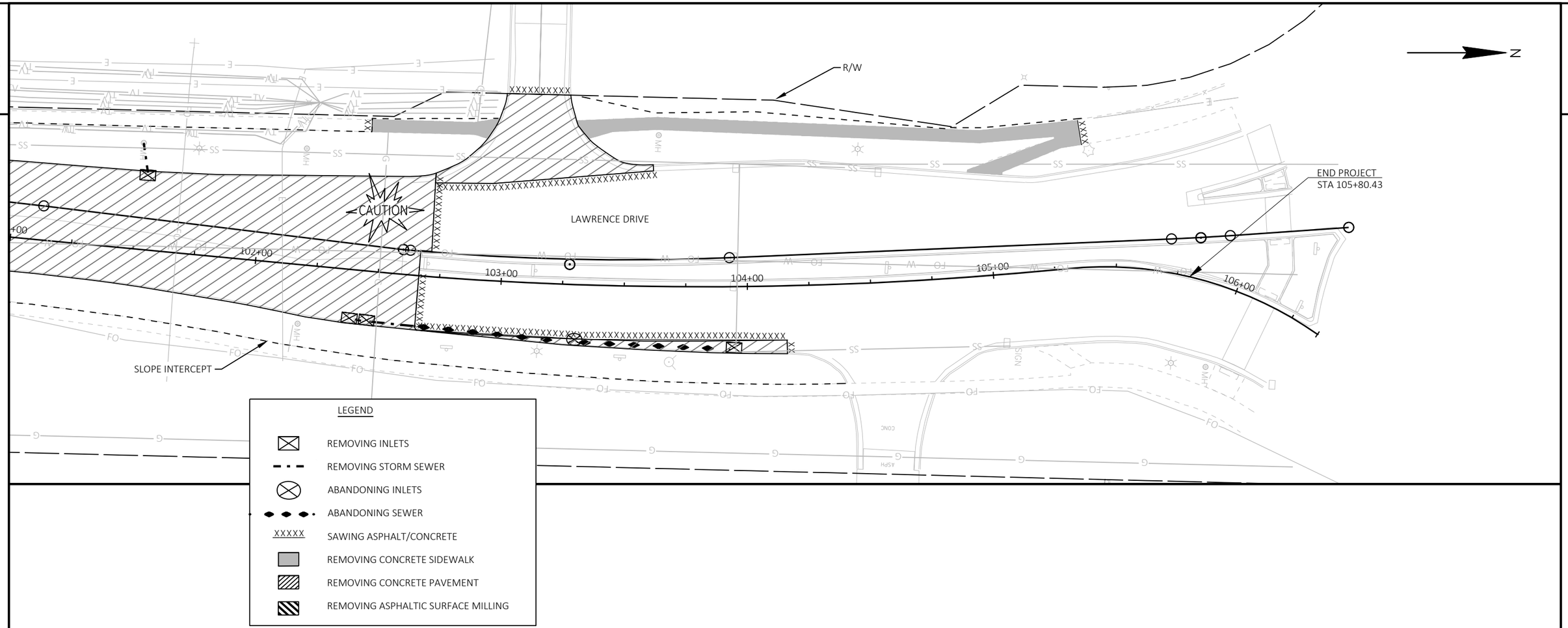
SLOPE INTERCEPT

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	REMOVAL PLAN	SHEET 39	E

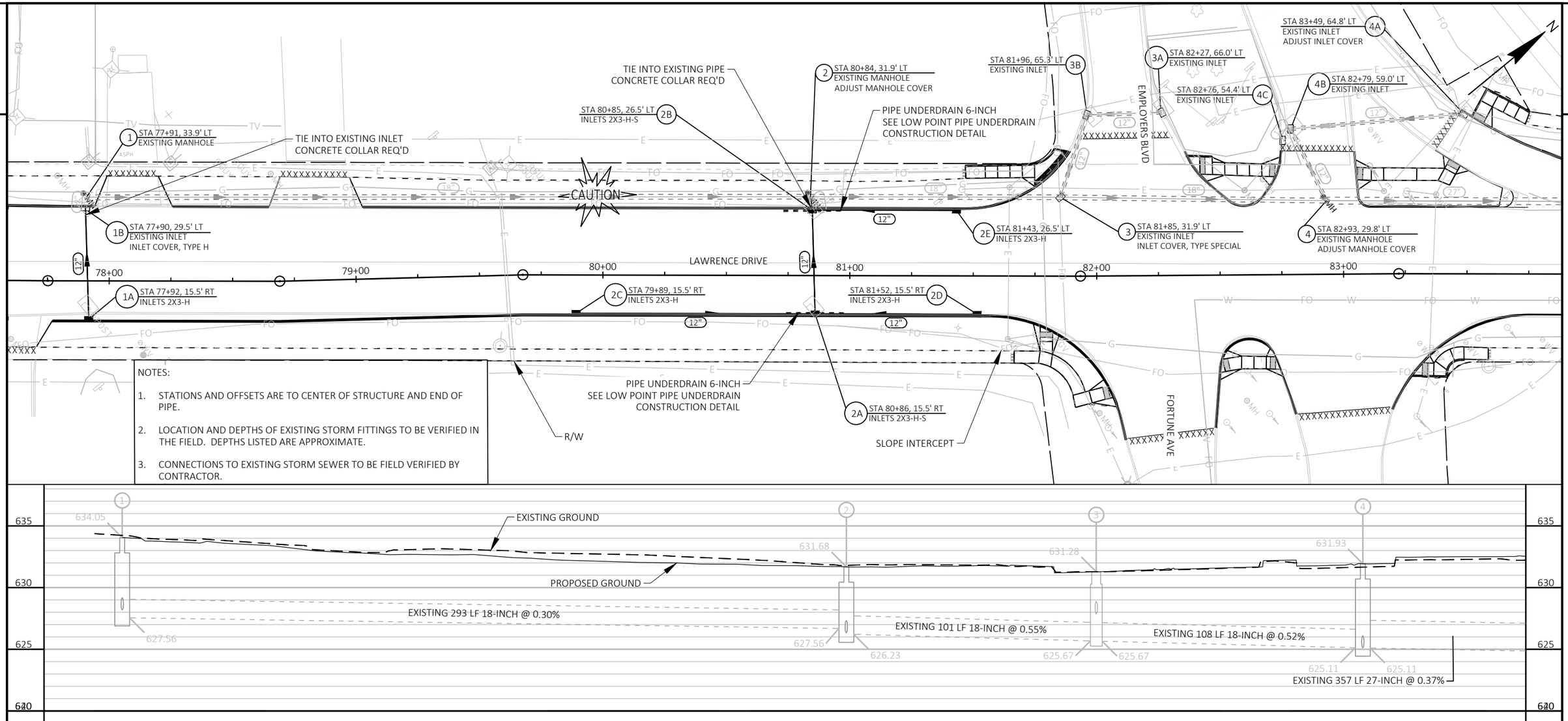
FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\021101-RM.DWG
LAYOUT NAME - 020202_pm

PLOT DATE : 12/6/2023 3:37 PM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

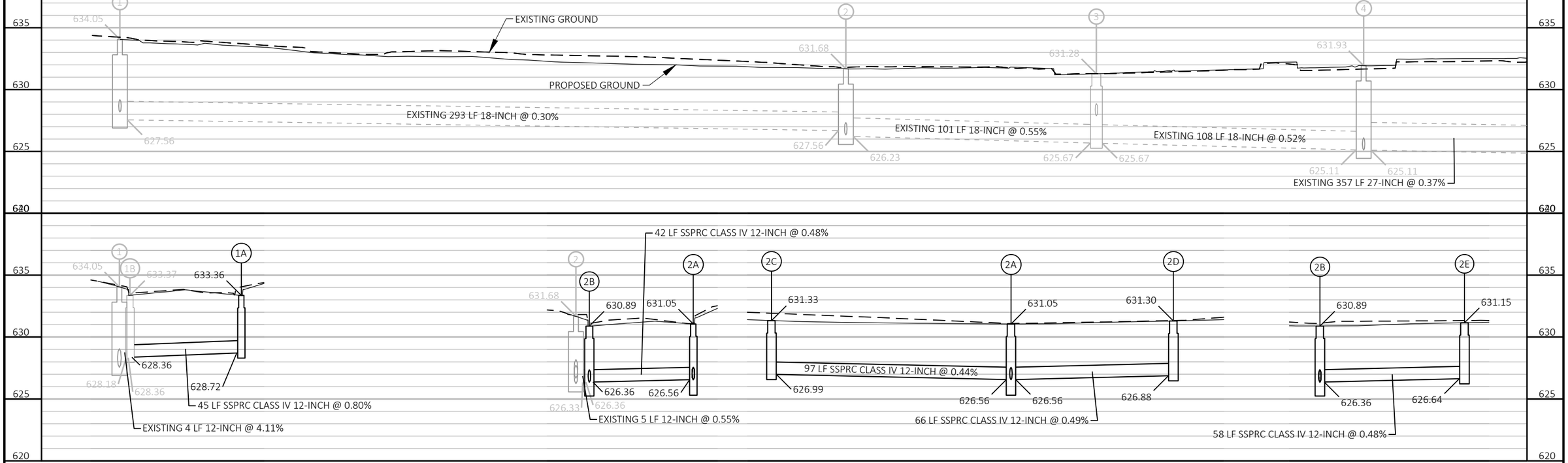


PROJECT NO: 4895-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	REMOVAL PLAN	SHEET 40	E



NOTES:

1. STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE AND END OF PIPE.
2. LOCATION AND DEPTHS OF EXISTING STORM FITTINGS TO BE VERIFIED IN THE FIELD. DEPTHS LISTED ARE APPROXIMATE.
3. CONNECTIONS TO EXISTING STORM SEWER TO BE FIELD VERIFIED BY CONTRACTOR.



PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	STORM SEWER	SHEET 41	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\022501-SS-.DWG
LAYOUT NAME - 1
PLOT DATE : 12/6/2023 3:40 PM
PLOT BY : VERONIKA BYRA
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

1 STA 77+91, 33.9' LT
EXISTING MANHOLE

TIE INTO EXISTING INLET
CONCRETE COLLAR REQ'D

1B STA 77+90, 29.5' LT
EXISTING INLET
INLET COVER, TYPE H

1A STA 77+92, 15.5' RT
INLETS 2X3-H

TIE INTO EXISTING PIPE
CONCRETE COLLAR REQ'D

2B STA 80+85, 26.5' LT
INLETS 2X3-H-S

2 STA 80+84, 31.9' LT
EXISTING MANHOLE
ADJUST MANHOLE COVER

PIPE UNDERDRAIN 6-INCH
SEE LOW POINT PIPE UNDERDRAIN
CONSTRUCTION DETAIL

STA 81+96, 65.3' LT
EXISTING INLET

3B

3A STA 82+27, 66.0' LT
EXISTING INLET

STA 82+76, 54.4' LT
EXISTING INLET

4C

4B STA 82+79, 59.0' LT
EXISTING INLET

STA 83+49, 64.8' LT
EXISTING INLET
ADJUST INLET COVER

4A

CAUTION

2E STA 81+43, 26.5' LT
INLETS 2X3-H

3 STA 81+85, 31.9' LT
EXISTING INLET
INLET COVER, TYPE SPECIAL

4 STA 82+93, 29.8' LT
EXISTING MANHOLE
ADJUST MANHOLE COVER

LAWRENCE DRIVE

78+00 79+00 80+00 81+00 82+00 83+00

2C STA 79+89, 15.5' RT
INLETS 2X3-H

STA 81+52, 15.5' RT
INLETS 2X3-H

2D

PIPE UNDERDRAIN 6-INCH
SEE LOW POINT PIPE UNDERDRAIN
CONSTRUCTION DETAIL

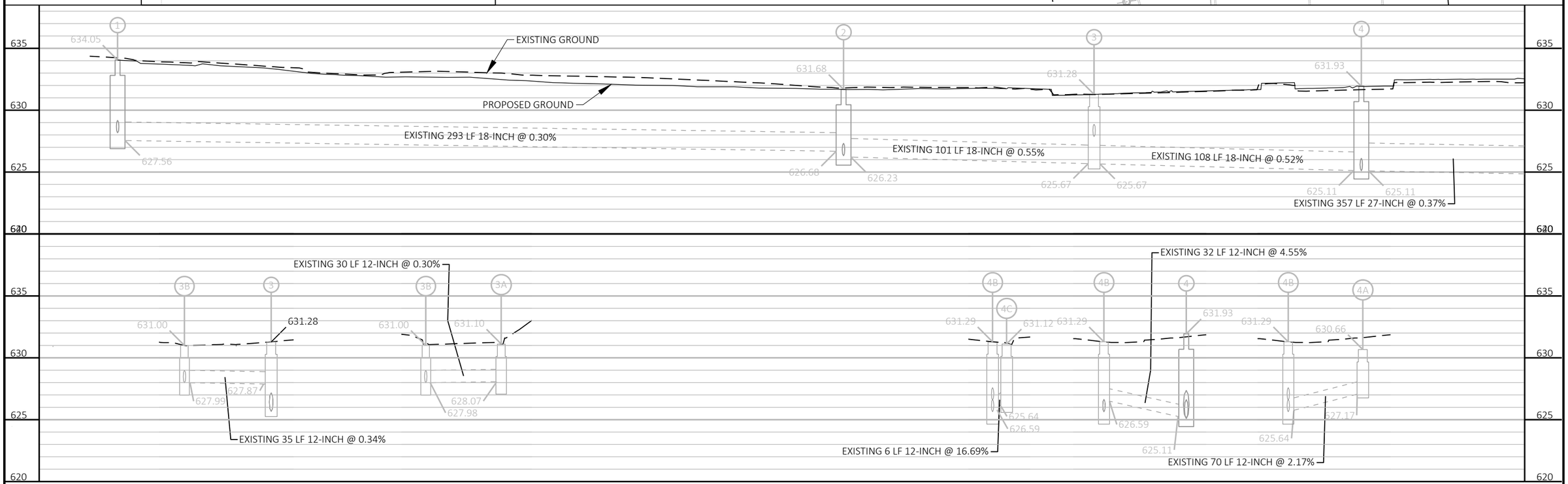
2A STA 80+86, 15.5' RT
INLETS 2X3-H-S

R/W

SLOPE INTERCEPT

NOTES:

1. STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE AND END OF PIPE.
2. LOCATION AND DEPTHS OF EXISTING STORM FITTINGS TO BE VERIFIED IN THE FIELD. DEPTHS LISTED ARE APPROXIMATE.
3. CONNECTIONS TO EXISTING STORM SEWER TO BE FIELD VERIFIED BY CONTRACTOR.



PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	STORM SEWER	SHEET 42	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\022501-SS-.DWG
LAYOUT NAME - 2

PLOT DATE : 12/6/2023 3:41 PM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2

N

83+00

84+00

85+00

86+00

87+00

88+00

89+00

CAUTION

LAWRENCE DRIVE

R/W

STA 86+55, 7.0' LT
EXISTING STORM FITTING (5)

TIE INTO EXISTING PIPE
CONCRETE COLLAR REQ'D

PIPE UNDERDRAIN 6-INCH
SEE LOW POINT PIPE UNDERDRAIN
CONSTRUCTION DETAIL

STA 87+82, 90.2' LT
EXISTING CATCH BASIN (8A)

STA 87+82, 33.0' LT
EXISTING STORM FITTING (8)

(9) STA 87+90, 33.5' LT
EXISTING STORM FITTING

(9B) STA 87+90, 29.0' LT
EXISTING INLET
INLET COVER TYPE H

TIE INTO EXISTING INLET
CONCRETE COLLAR REQ'D

(7) STA 87+32, 28.1' LT
MANHOLES 5-H-S

(9C) STA 87+13, 15.5' RT
INLETS 2X3-H

STA 87+92, 15.5' RT
INLETS 2X3-H-S (9A)

(10A) STA 88+94, 15.5' RT
INLETS 2X3-H

PIPE UNDERDRAIN 6-INCH
SEE LOW POINT PIPE UNDERDRAIN
CONSTRUCTION DETAIL

SLOPE INTERCEPT

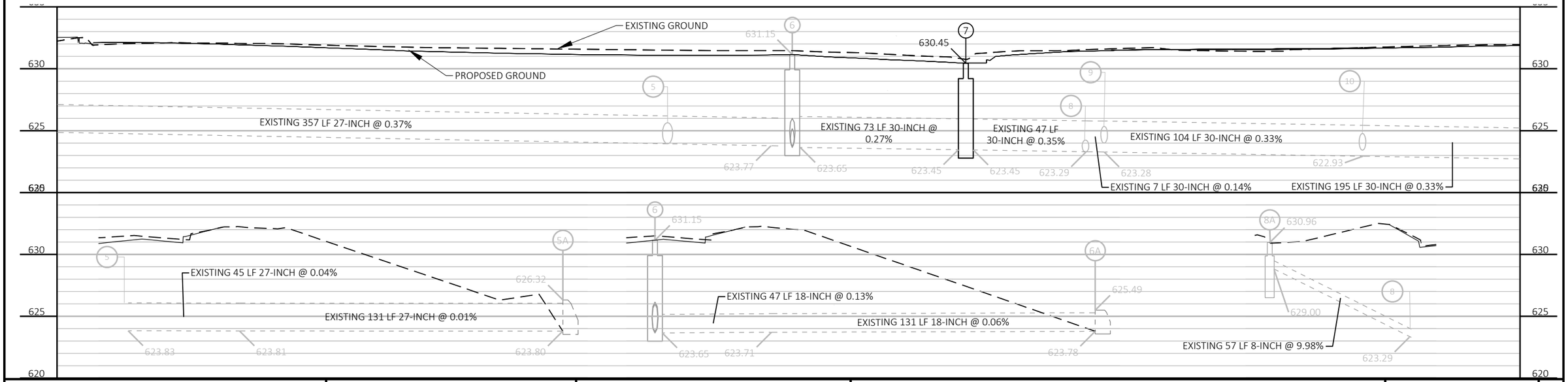
(5A) STA 85+49, 106.6' RT
EXISTING APRON ENDWALL

(6) STA 86+60, 3.5' LT
EXISTING MANHOLE
ADJUST MANHOLE COVER

(6A) STA 85+54, 110.8' RT
EXISTING APRON ENDWALL

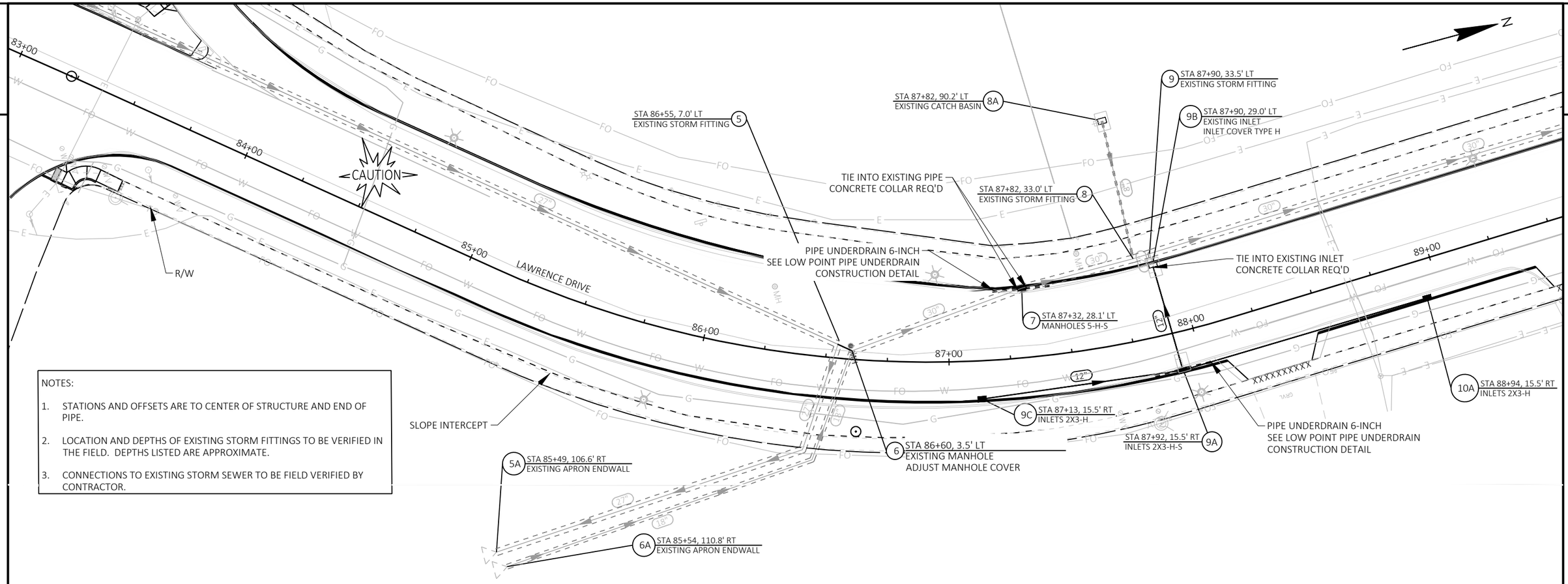
NOTES:

1. STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE AND END OF PIPE.
2. LOCATION AND DEPTHS OF EXISTING STORM FITTINGS TO BE VERIFIED IN THE FIELD. DEPTHS LISTED ARE APPROXIMATE.
3. CONNECTIONS TO EXISTING STORM SEWER TO BE FIELD VERIFIED BY CONTRACTOR.



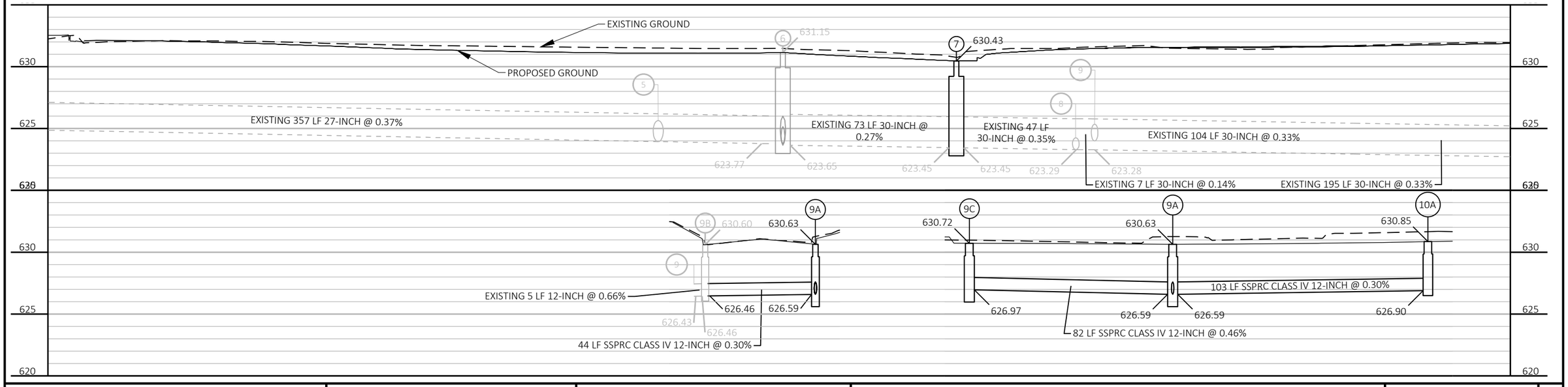
PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	STORM SEWER	SHEET 43	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\022501-SS-.DWG
LAYOUT NAME - 3
PLOT DATE : 12/6/2023 3:42 PM
PLOT BY : VERONIKA BYRA
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41



NOTES:

1. STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE AND END OF PIPE.
2. LOCATION AND DEPTHS OF EXISTING STORM FITTINGS TO BE VERIFIED IN THE FIELD. DEPTHS LISTED ARE APPROXIMATE.
3. CONNECTIONS TO EXISTING STORM SEWER TO BE FIELD VERIFIED BY CONTRACTOR.



PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	STORM SEWER	SHEET 44	E

2

STA 90+92, 29.5' LT
EXISTING INLET
INLET COVER, TYPE H REQUIRED
11B

11 STA 90+90, 33.7' LT
EXISTING MANHOLE

STA 94+01, 34.7' LT
EXISTING MANHOLE
13

STA 94+82, 33.8' LT
EXISTING MANHOLE
ADJUST MANHOLE COVER REQUIRED
14

N

12 STA 91+19, 34.3' LT
EXISTING MANHOLE
ADJUST MANHOLE COVER REQUIRED

TIE INTO EXISTING INLET
CONCRETE COLLAR REQ'D

CAUTION

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

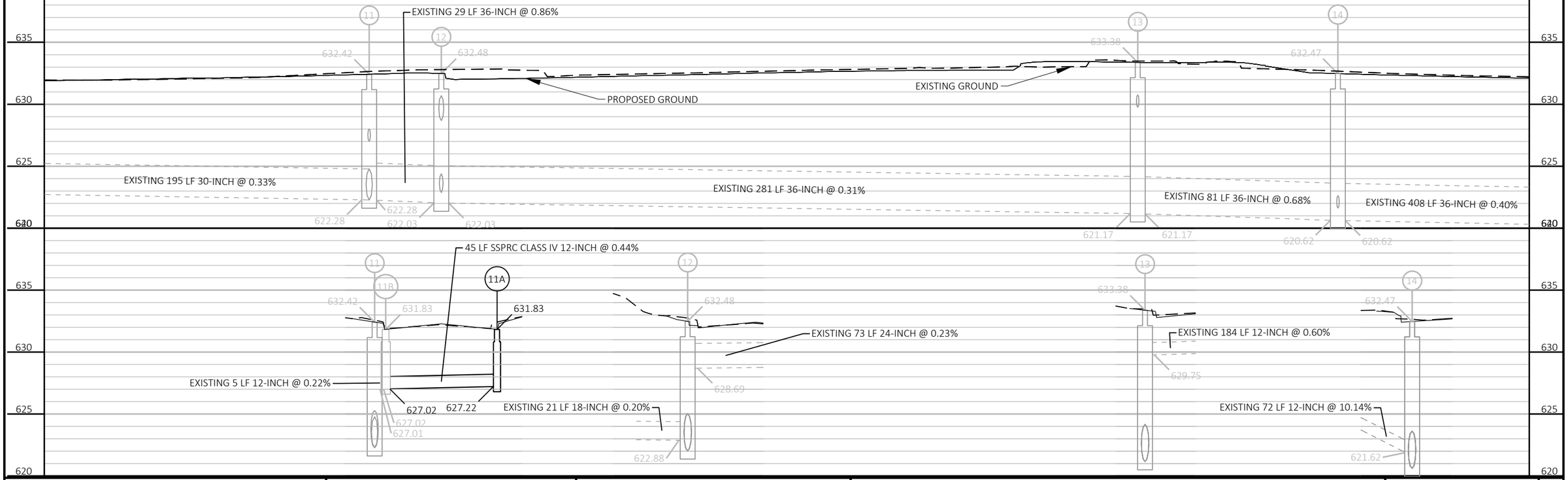
11A STA 90+92, 15.5' RT
INLETS 2X3-H

SLOPE INTERCEPT

R/W

NOTES:

1. STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE AND END OF PIPE.
2. LOCATION AND DEPTHS OF EXISTING STORM FITTINGS TO BE VERIFIED IN THE FIELD. DEPTHS LISTED ARE APPROXIMATE.
3. CONNECTIONS TO EXISTING STORM SEWER TO BE FIELD VERIFIED BY CONTRACTOR.



PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	STORM SEWER	SHEET 45	E

2

N

R/W

STA 98+90, 32.9' LT
EXISTING MANHOLE
15

15B
STA 98+91, 29.5' LT
EXISTING INLET
INLET COVER, TYPE H

PIPE UNDERDRAIN 6-INCH
SEE LOW POINT PIPE UNDERDRAIN
CONSTRUCTION DETAIL

STA 101+50, 41.1' LT
EXISTING MANHOLE
ADJUST MANHOLE COVER
16

TIE INTO EXISTING MANHOLE
CONCRETE COLLAR REQ'D

CAUTION

STA 98+49, 29.5' LT
INLETS 2X3-H
15E

12"

TIE INTO EXISTING INLET
CONCRETE COLLAR REQ'D

STA 101+53, 35.4' LT
INLETS 2X3-H
16A

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

LAWRENCE DRIVE

15D
STA 99+38, 15.5' RT
INLETS 2X3-H

12" 12"

STA 98+43, 15.5' RT
INLETS 2X3-H
15C

STA 98+92, 15.5' RT
INLETS 2X3-H-S
15A

PIPE UNDERDRAIN 6-INCH
SEE LOW POINT PIPE UNDERDRAIN
CONSTRUCTION DETAIL

SLOPE INTERCEPT

NOTES:

1. STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE AND END OF PIPE.
2. LOCATION AND DEPTHS OF EXISTING STORM FITTINGS TO BE VERIFIED IN THE FIELD. DEPTHS LISTED ARE APPROXIMATE.
3. CONNECTIONS TO EXISTING STORM SEWER TO BE FIELD VERIFIED BY CONTRACTOR.

631.29 (15) 631.11 (16)

630 625 620 615

PROPOSED GROUND

EXISTING GROUND

EXISTING 408 LF 36-INCH @ 0.40%

EXISTING 263 LF 36-INCH @ 0.45%

619.00 618.85 617.67 617.67

15C 630.76 | 15A 630.69 | 15D 630.76

625.20 624.90 624.90 625.21

49 LF SSPRC CLASS III 12-INCH @ 0.61%

46 LF SSPRC CLASS III 12-INCH @ 0.67%

15 631.29 | 15B 630.69 | 15A 630.69

624.68 624.90 624.53 623.40

45 LF SSPRC CLASS III 12-INCH @ 0.49%

EXISTING 4 LF 12-INCH @ 31.23%

15E 630.74 | 15B 630.69

625.88 625.68

42 LF SSPRC CLASS IV 12-INCH @ 0.48%

16A 631.11 | 16 630.44

622.38 622.34

6 LF SSPRC CLASS II 12-INCH @ 0.63%

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	STORM SEWER	SHEET 46	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\022501-SS-.DWG
LAYOUT NAME - 6

PLOT DATE : 12/6/2023 3:44 PM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2

SLOPE INTERCEPT

17 STA 103+97, 49.7' LT EXISTING INLET

17I STA 104+57, 46.0' LT EXISTING INLET

R/W

N

CAUTION

17G STA 103+96, 10.6' LT EXISTING INLET

102+00 103+00 LAWRENCE DRIVE 104+00 105+00 106+00

17F STA 103+96, 1.6' LT EXISTING INLET

TIE INTO EXISTING PIPE CONCRETE COLLAR REQ'D

STA 102+42, 25.3' RT INLETS 2X3-H 17A

STA 102+48, 25.8' RT INLETS 2X3-H 17B

ABANDON EXISTING SS STA 102+67 RT - STA 103+92 RT

17C STA 103+31, 26.5' RT INLETS 2X3-H

STA 103+95, 26.5' RT INLETS 2X3-H-S 17D

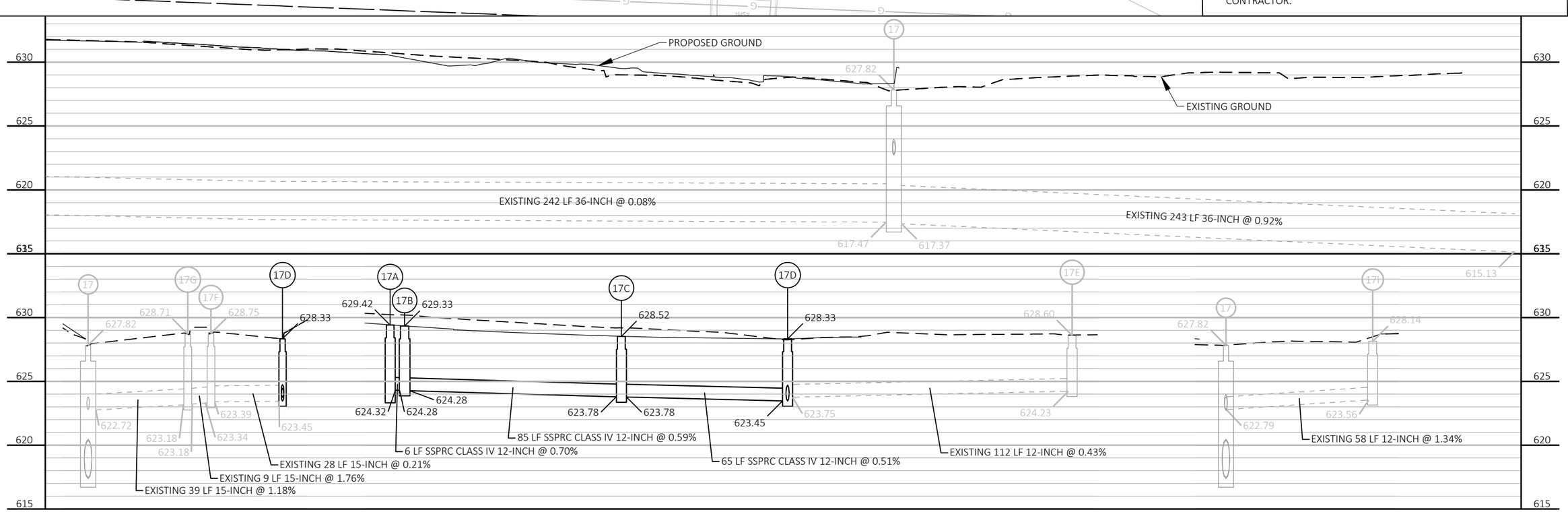
PIPE UNDERDRAIN 6-INCH SEE LOW POINT PIPE UNDERDRAIN CONSTRUCTION DETAIL

TIE INTO EXISTING PIPE CONCRETE COLLAR REQ'D

17E STA 105+05, 29.1' RT EXISTING INLET

NOTES:

1. STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE AND END OF PIPE.
2. LOCATION AND DEPTHS OF EXISTING STORM FITTINGS TO BE VERIFIED IN THE FIELD. DEPTHS LISTED ARE APPROXIMATE.
3. CONNECTIONS TO EXISTING STORM SEWER TO BE FIELD VERIFIED BY CONTRACTOR.



PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	STORM SEWER	SHEET 47	E

2

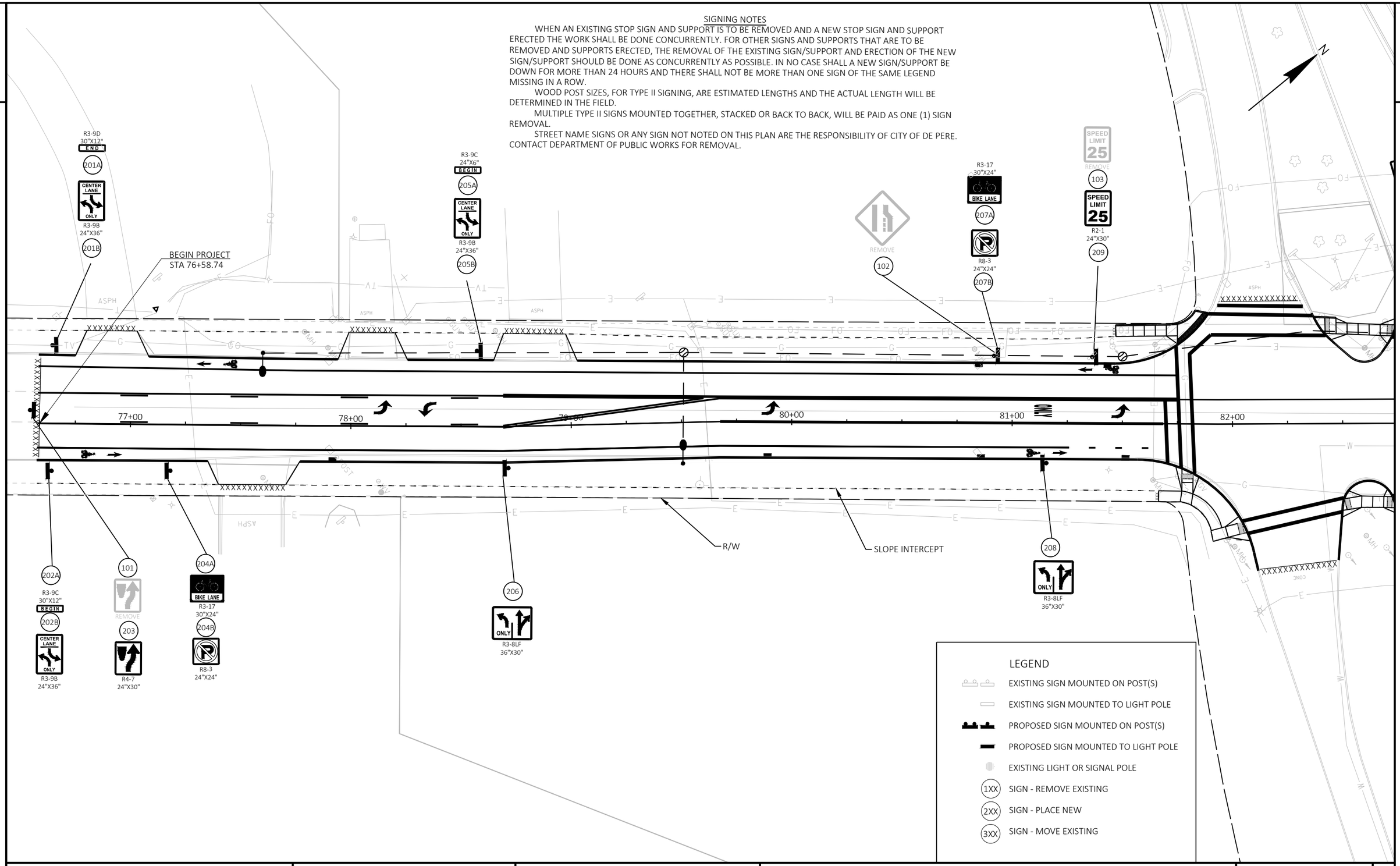
SIGNING NOTES

WHEN AN EXISTING STOP SIGN AND 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 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 SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

MULTIPLE TYPE II SIGNS MOUNTED TOGETHER, STACKED OR BACK TO BACK, WILL BE PAID AS ONE (1) SIGN REMOVAL.

STREET NAME SIGNS OR ANY SIGN NOT NOTED ON THIS PLAN ARE THE RESPONSIBILITY OF CITY OF DE PERE. CONTACT DEPARTMENT OF PUBLIC WORKS FOR REMOVAL.



PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	PERMANENT SIGNING	SHEET 48	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\023201-PS.DWG
LAYOUT NAME - 01
PLOT DATE : 9/7/2023 10:39 AM
PLOT BY : VERONIKA BYRA
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

SIGNING NOTES

WHEN AN EXISTING STOP SIGN AND 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 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 SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

MULTIPLE TYPE II SIGNS MOUNTED TOGETHER, STACKED OR BACK TO BACK, WILL BE PAID AS ONE (1) SIGN REMOVAL.

STREET NAME SIGNS OR ANY SIGN NOT NOTED ON THIS PLAN ARE THE RESPONSIBILITY OF CITY OF DE PERE. CONTACT DEPARTMENT OF PUBLIC WORKS FOR REMOVAL.

N

R9-3A 24"X24" 247A

R9-3BR 18"X12" 247B

REMOVE 104

W12-1D 24"X24" 210

RIGHT LANE ENDS REMOVE 105A

TRUCK ROUTE REMOVE 105B

REMOVE 105C

R14-1 24"X18" MOUNT TO LIGHT POLE TRUCK ROUTE 212A

M6-1 21"X21" MOUNT TO LIGHT POLE 212B

RIGHT TURN LANE REMOVE 106

R3-8LAR 54"X30" ONLY ONLY ONLY 213

BEGIN RIGHT TURN LANE YIELD TO BIKES R4-4 36"X30" 215

R3-9D 30"X12" MOUNT TO LIGHT POLE END 217A

R3-9B 24"X36" MOUNT TO LIGHT POLE CENTER LANE ONLY 217B

83+00

84+00

85+00

86+00

87+00

88+00

89+00

248A R9-3A 24"X24"

248B R9-3BL 18"X12" USE CROSSWALK

211A R3-17 30"X24" BIKE LANE

211B R8-3 24"X24"

R/W

214 R2-1 24"X30" SPEED LIMIT 35 MOUNT TO LIGHT POLE

216A R3-9C 30"X12" BEGIN

216B R3-9B 24"X36" CENTER LANE ONLY

SLOPE INTERCEPT

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED TO LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED TO LIGHT POLE
- EXISTING LIGHT OR SIGNAL POLE
- 1XX SIGN - REMOVE EXISTING
- 2XX SIGN - PLACE NEW
- 3XX SIGN - MOVE EXISTING

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	PERMANENT SIGNING	SHEET 49	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\023201-PS.DWG
LAYOUT NAME - 02

PLOT DATE : 9/7/2023 10:40 AM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

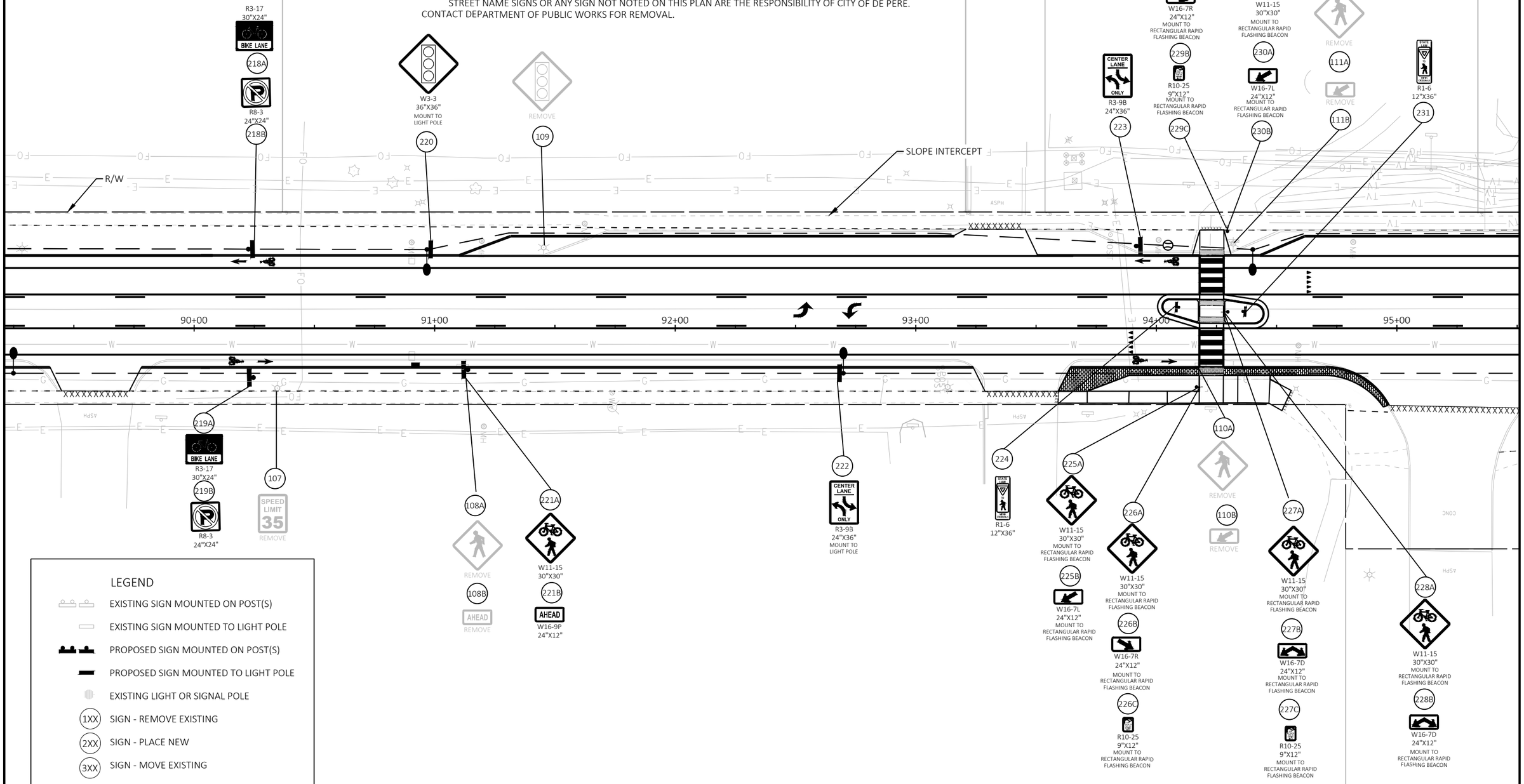
SIGNING NOTES

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MULTIPLE TYPE II SIGNS MOUNTED TOGETHER, STACKED OR BACK TO BACK, WILL BE PAID AS ONE (1) SIGN REMOVAL.

STREET NAME SIGNS OR ANY SIGN NOT NOTED ON THIS PLAN ARE THE RESPONSIBILITY OF CITY OF DE PERE. CONTACT DEPARTMENT OF PUBLIC WORKS FOR REMOVAL.



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED TO LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED TO LIGHT POLE
- EXISTING LIGHT OR SIGNAL POLE
- (1XX) SIGN - REMOVE EXISTING
- (2XX) SIGN - PLACE NEW
- (3XX) SIGN - MOVE EXISTING

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	PERMANENT SIGNING	SHEET 50	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\023201-PS.DWG
LAYOUT NAME - 03
PLOT DATE : 9/7/2023 10:43 AM
PLOT BY : VERONIKA BYRA
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

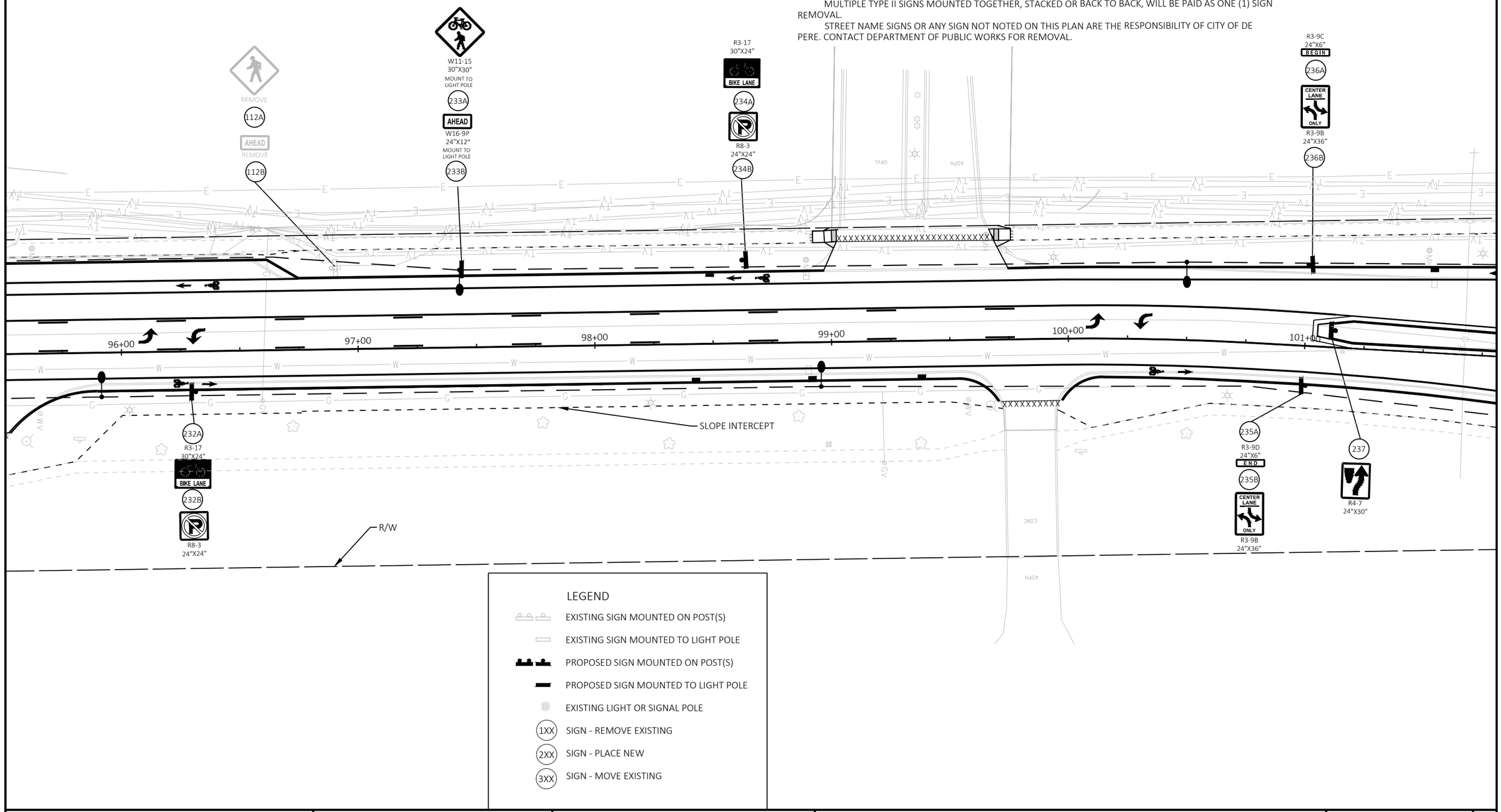
SIGNING NOTES

WHEN AN EXISTING STOP SIGN AND 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 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.

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LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED TO LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED TO LIGHT POLE
- EXISTING LIGHT OR SIGNAL POLE
- (1XX) SIGN - REMOVE EXISTING
- (2XX) SIGN - PLACE NEW
- (3XX) SIGN - MOVE EXISTING

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	PERMANENT SIGNING	SHEET 51	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\023201-PS.DWG
LAYOUT NAME - 04
PLOT DATE : 9/7/2023 10:46 AM
PLOT BY : VERONIKA BYRA
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

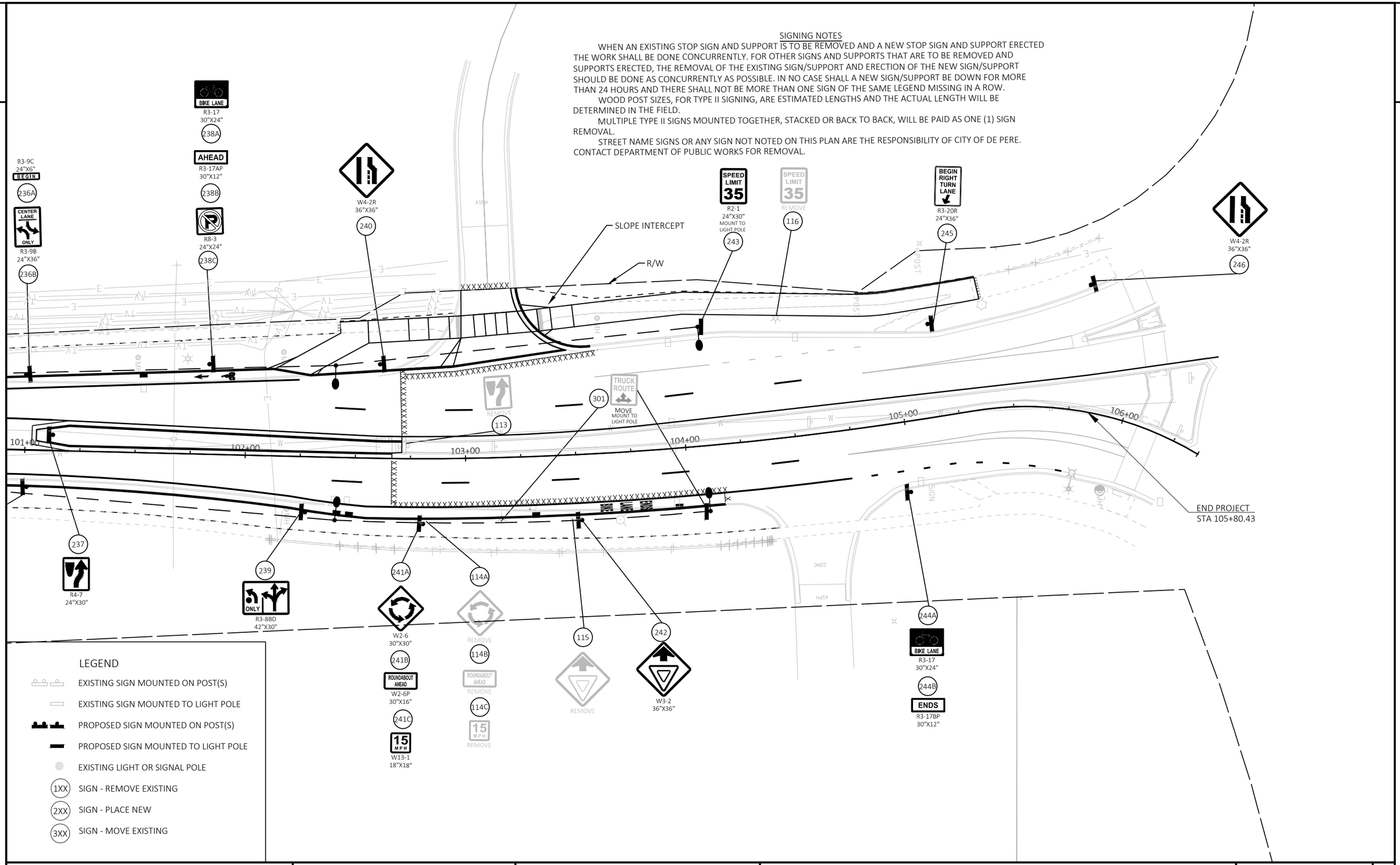
SIGNING NOTES

WHEN AN EXISTING STOP SIGN AND 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 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.

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PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	PERMANENT SIGNING	SHEET 52	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\023201-PS.DWG
LAYOUT NAME - 05
PLOT DATE : 9/7/2023 10:49 AM
PLOT BY : VERONIKA BYRA
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

LUMINAIRE ARM TO BE REMOVED BY OTHERS

R/W

EMPLOYERS BLVD

LAWRENCE DRIVE

80+00 'SB'

80+00 'NB'

MATCHLINE 82+87.83

FORTUNE AVE

LIGHTING REMOVAL PLAN LEGEND

- EXISTING PULL BOX
- EXISTING LIGHT POLE, ARM MOUNTED LUMINAIRE (TO BE REMOVED)
- EXISTING LIGHT POLE, ARM MOUNTED LUMINAIRE (TO REMAIN)

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	LIGHTING REMOVAL PLAN	SHEET 53	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\023401_LR.DWG
LAYOUT NAME - 01

PLOT DATE : 9/5/2023 2:02 AM PLOT BY : JOANNA BUSH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

R/W

EMPLOYERS BLVD

MATCHLINE 82+87.83

MATCHLINE 89+17.83

EXSL100

EXSL101

EXSL102

EXSL103

85+00 'SB'

85+00 'NB'

LAWRENCE DRIVE

FORTUNE AVE

R/W

R/W

R/W

LIGHTING REMOVAL PLAN LEGEND

- EXISTING PULL BOX
- EXISTING LIGHT POLE, ARM MOUNTED LUMINAIRE (TO BE REMOVED)
- EXISTING LIGHT POLE, ARM MOUNTED LUMINAIRE (TO REMAIN)

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	LIGHTING REMOVAL PLAN	SHEET 54	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\023401_LR.DWG
LAYOUT NAME - 02

PLOT DATE : 9/5/2023 2:02 AM PLOT BY : JOANNA BUSH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

R/W

EXSL104

EXSL106

EXSL108

LAWRENCE DRIVE

90+00 'SB'

90+00 'NB'

95+00 'SB'

95+00 'NB'

MATCHLINE 89+17.83

MATCHLINE 95+25.00

EXSL105

EXSL107

R/W

LIGHTING REMOVAL PLAN LEGEND

EXISTING PULL BOX

EXISTING LIGHT POLE, ARM MOUNTED LUMINAIRE (TO BE REMOVED)

EXISTING LIGHT POLE, ARM MOUNTED LUMINAIRE (TO REMAIN)

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	LIGHTING REMOVAL PLAN	SHEET 55	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\023401_LR.DWG
LAYOUT NAME - 03

PLOT DATE : 9/5/2023 2:02 AM

PLOT BY : JOANNA BUSH

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

MATCHLINE 95+25.00

MATCHLINE 101+25.00

LAWRENCE DRIVE

R/W

R/W

EXSL109

EXSL110

EXSL111

EXSL112

EXSL113

100+00 'SB'

100+00 'NB'

SAN

GV

LIGHTING REMOVAL PLAN LEGEND

- EXISTING PULL BOX
- EXISTING LIGHT POLE, ARM MOUNTED LUMINAIRE (TO BE REMOVED)
- EXISTING LIGHT POLE, ARM MOUNTED LUMINAIRE (TO REMAIN)

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	LIGHTING REMOVAL PLAN	SHEET 56	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\023401_LR.DWG
LAYOUT NAME - 04

PLOT DATE : 9/5/2023 2:02 AM PLOT BY : JOANNA BUSH PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

R/W

EXSL114

EXPB100

EXSL116

106+44 'SB'

LAWRENCE DRIVE

105+00 'SB'

105+00 'NB'

MATCHLINE 101+25.00

EXPB101

EXSL115

R/W

LIGHTING REMOVAL PLAN LEGEND

- EXISTING PULL BOX
- EXISTING LIGHT POLE, ARM MOUNTED LUMINAIRE (TO BE REMOVED)
- EXISTING LIGHT POLE, ARM MOUNTED LUMINAIRE (TO REMAIN)

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	LIGHTING REMOVAL PLAN	SHEET 57	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\023401_LR.DWG
LAYOUT NAME - 05

PLOT DATE : 9/5/2023 2:02 AM PLOT BY : JOANNA BUSH PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

GENERAL NOTES

1. STATION/OFFSET MEASURED TO CENTER OF CONCRETE BASE AND POLE.
2. ALL LIGHTING CONDUCTORS SHALL BE RUN IN CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH EXCEPT UNDER ROADWAY, WHERE SCHEDULE 80 3-INCH SHALL BE USED.
3. LIGHT POLE HANDHOLES SHALL BE FACTORY PROVIDED AND LOCATED SO THEY ARE ON THE OPPOSITE SIDE OF THE POLE FROM STREET.

LP100-(A1)
77+60'SB' - 18.9' LT
LED D-5(T)-8

LPB100

LPB101

LAWRENCE DRIVE

80+00 'SB'

80+00 'NB'

LP101-(A1)
79+50'NB' - 18.5' RT
LED D-5(T)-8

R/W

EMPLOYERS BLVD

FORTUNE AVE

MATCHLINE 82+87.83

LIGHTING PLAN LEGEND

- PULL BOXES NON-CONDUCTIVE 24X42-INCH
- CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH (UNLESS OTHERWISE NOTED)
- LIGHTING UNITS, SINGLE ARM, ALUMINUM, ANODIZED BLACK
- LIGHTING CONTROL CABINET ON CONCRETE CONTROL CABINET BASE (24-INCH)
- EXISTING TRAFFIC SIGNAL CONTROL CABINET (WITH ELECTRICAL SERVICE)

LP100-(A#) — POLE NUMBER; LIGHTING CIRCUIT(S)
80+00'SB' - 18.5' LT — LOCATION (TO CENTER OF POLE)
LED D-5(T)-8 — LUMINAIRE ARM LENGTH IN FEET; POLE TYPE - (T) INCLUDES TRANSFORMER BASE; LUMINAIRE DESIGNATION

X X / X X / XX GRD — PHASE CONDUCTORS QUANTITY/SIZE (AWG)/CIRCUIT; EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG); LIGHTING PANEL AND CIRCUIT NUMBER

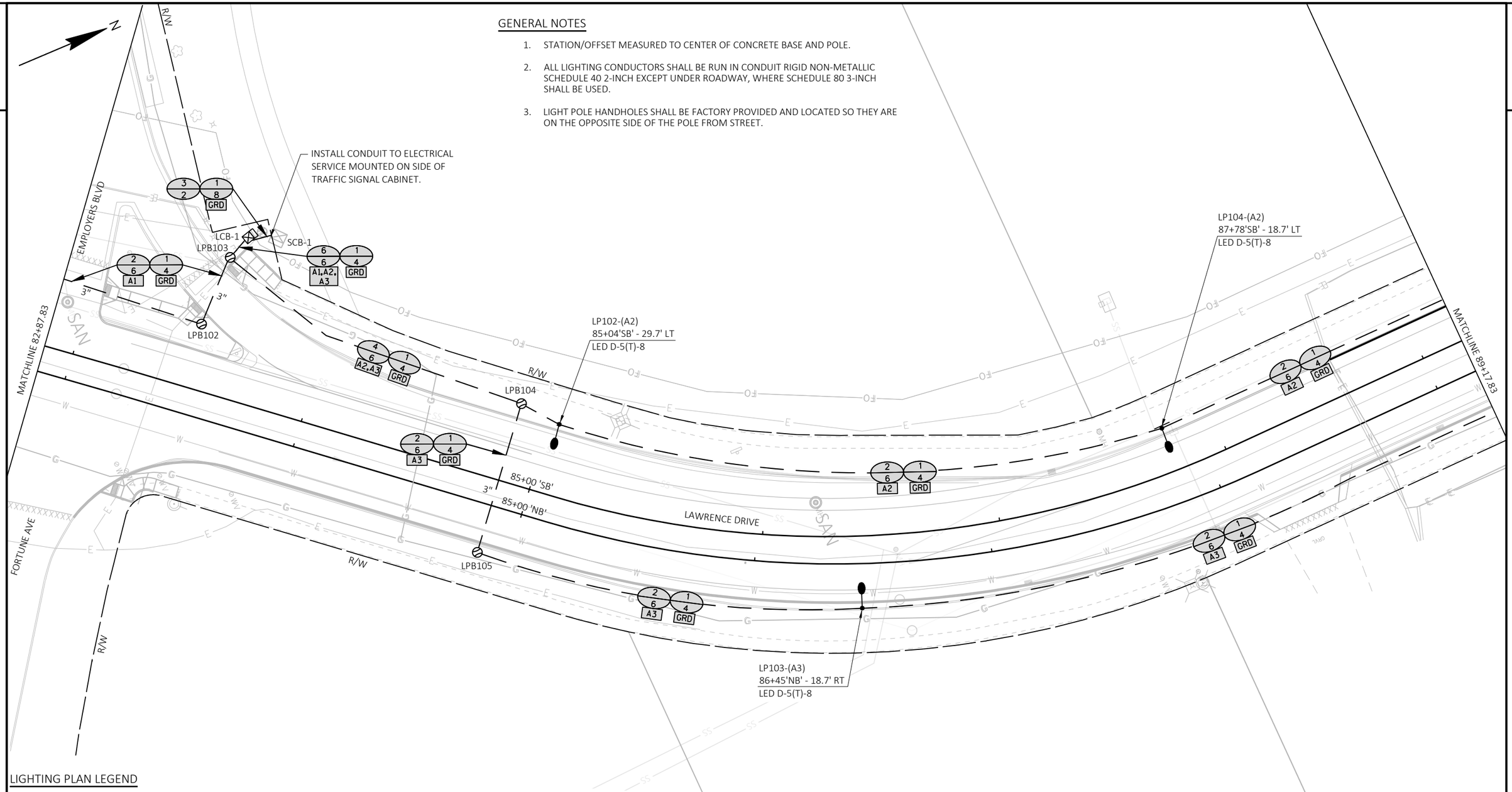
PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	LIGHTING PLAN	SHEET 58	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\023601_LP.DWG
LAYOUT NAME - 01
PLOT DATE : 9/10/2023 10:03 AM PLOT BY : JOANNA BUSH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

GENERAL NOTES

1. STATION/OFFSET MEASURED TO CENTER OF CONCRETE BASE AND POLE.
2. ALL LIGHTING CONDUCTORS SHALL BE RUN IN CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH EXCEPT UNDER ROADWAY, WHERE SCHEDULE 80 3-INCH SHALL BE USED.
3. LIGHT POLE HANDHOLES SHALL BE FACTORY PROVIDED AND LOCATED SO THEY ARE ON THE OPPOSITE SIDE OF THE POLE FROM STREET.



LIGHTING PLAN LEGEND

- PULL BOXES NON-CONDUCTIVE 24X42-INCH
- CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH (UNLESS OTHERWISE NOTED)
- LIGHTING UNITS, SINGLE ARM, ALUMINUM, ANODIZED BLACK
- LIGHTING CONTROL CABINET ON CONCRETE CONTROL CABINET BASE (24-INCH)
- EXISTING TRAFFIC SIGNAL CONTROL CABINET (WITH ELECTRICAL SERVICE)

LP100-(A#) — POLE NUMBER; LIGHTING CIRCUIT(S)
80+00'SB' - 18.5' LT — LOCATION (TO CENTER OF POLE)
LED D-5(T)-8 — LUMINAIRE ARM LENGTH IN FEET; POLE TYPE - (T) INCLUDES TRANSFORMER BASE; LUMINAIRE DESIGNATION

X X / X X / XX GRD — PHASE CONDUCTORS QUANTITY/SIZE (AWG)/CIRCUIT; EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG); LIGHTING PANEL AND CIRCUIT NUMBER

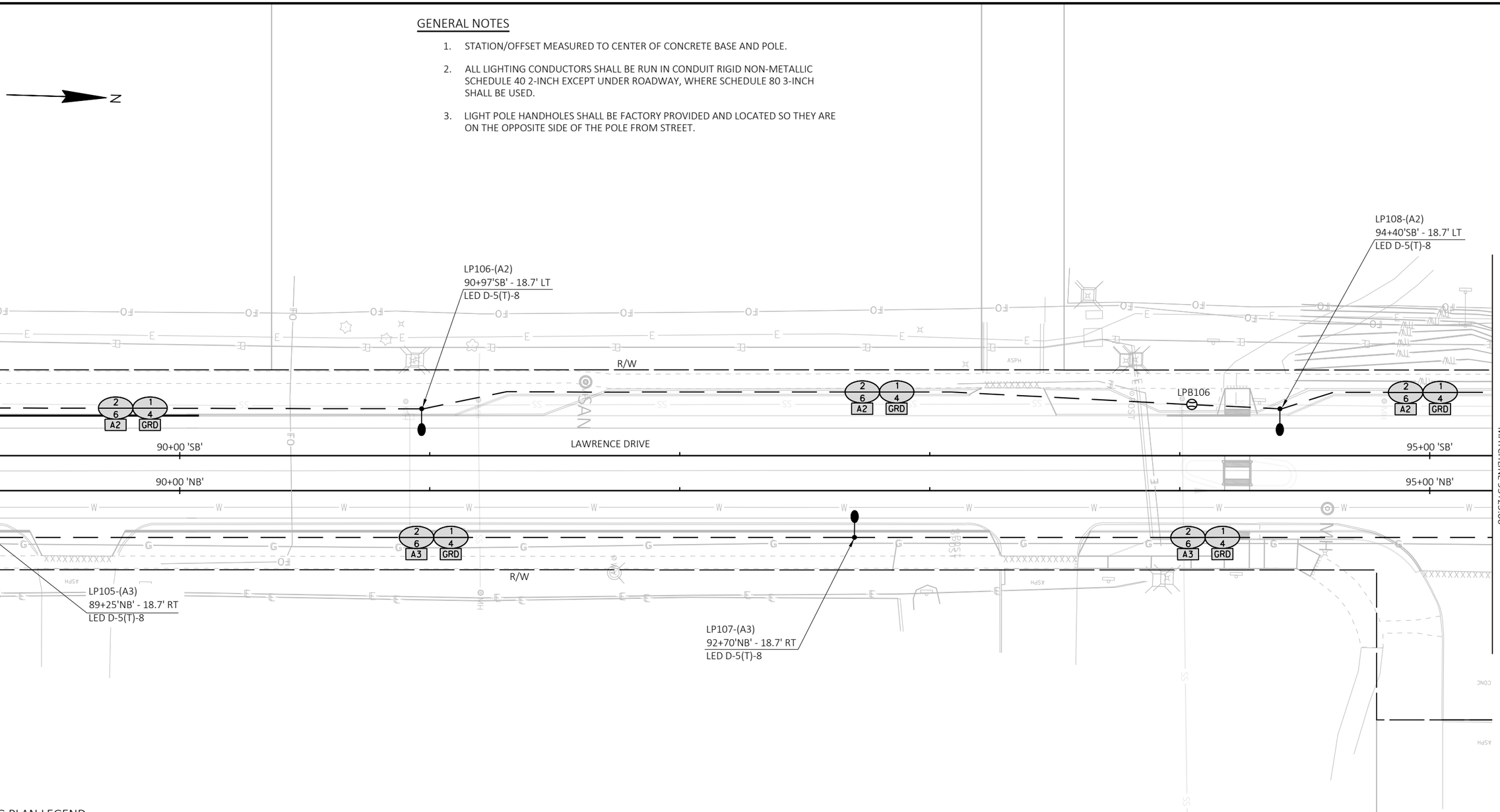
PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	LIGHTING PLAN	SHEET 59	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\023601_LP.DWG
LAYOUT NAME - 02
PLOT DATE : 9/10/2023 10:03 AM
PLOT BY : JOANNA BUSH
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

GENERAL NOTES

1. STATION/OFFSET MEASURED TO CENTER OF CONCRETE BASE AND POLE.
2. ALL LIGHTING CONDUCTORS SHALL BE RUN IN CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH EXCEPT UNDER ROADWAY, WHERE SCHEDULE 80 3-INCH SHALL BE USED.
3. LIGHT POLE HANDHOLES SHALL BE FACTORY PROVIDED AND LOCATED SO THEY ARE ON THE OPPOSITE SIDE OF THE POLE FROM STREET.



LIGHTING PLAN LEGEND

- PULL BOXES NON-CONDUCTIVE 24X42-INCH
- CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH (UNLESS OTHERWISE NOTED)
- LIGHTING UNITS, SINGLE ARM, ALUMINUM, ANODIZED BLACK
- LIGHTING CONTROL CABINET ON CONCRETE CONTROL CABINET BASE (24-INCH)
- EXISTING TRAFFIC SIGNAL CONTROL CABINET (WITH ELECTRICAL SERVICE)

LP100-(A#) — POLE NUMBER; LIGHTING CIRCUIT(S)
80+00'SB' - 18.5' LT — LOCATION (TO CENTER OF POLE)
LED D-5(T)-8 — LUMINAIRE ARM LENGTH IN FEET; POLE TYPE - (T) INCLUDES TRANSFORMER BASE; LUMINAIRE DESIGNATION

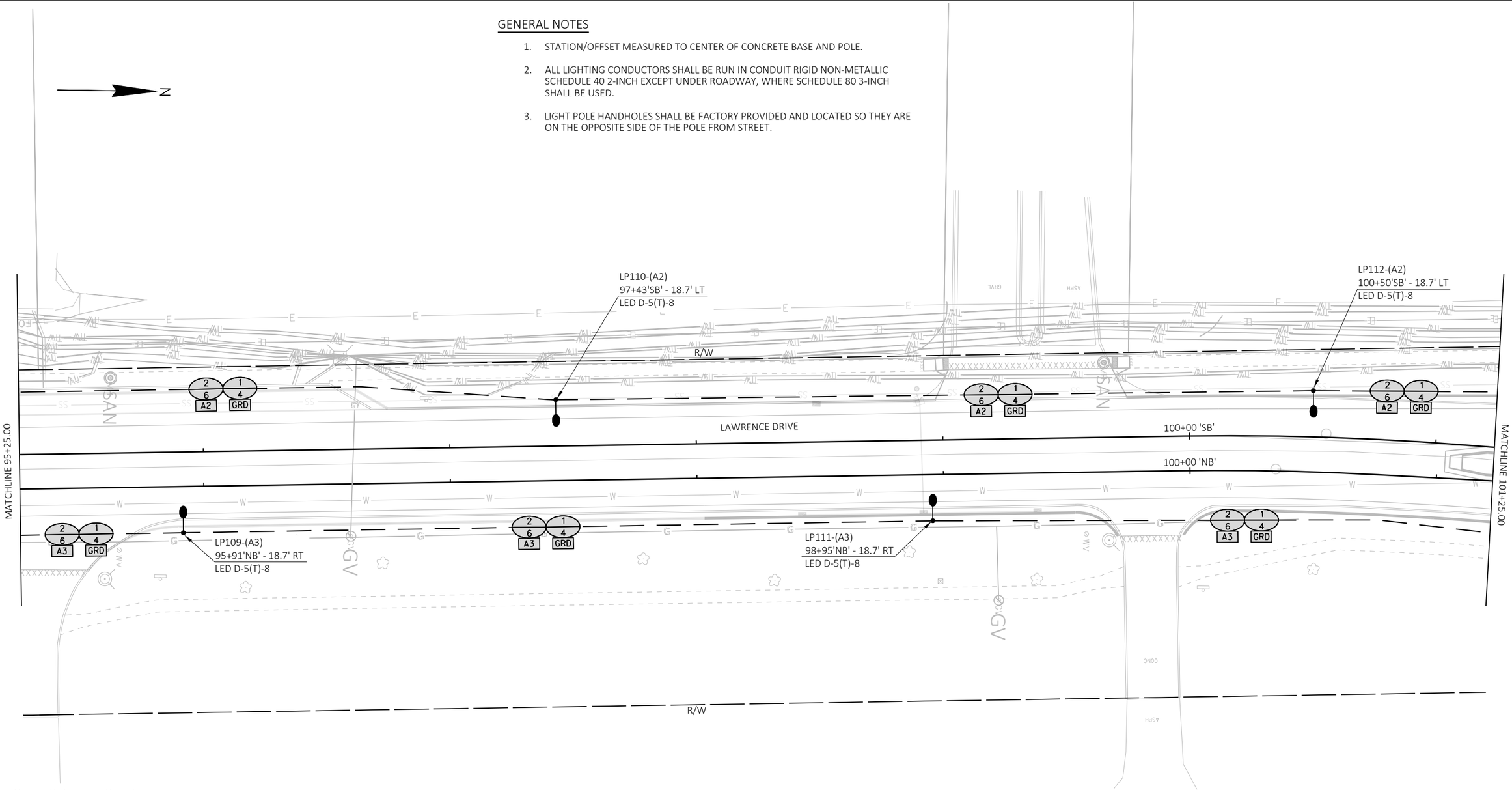
X X / X X / XX GRD — PHASE CONDUCTORS QUANTITY/SIZE (AWG)/CIRCUIT; EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG); LIGHTING PANEL AND CIRCUIT NUMBER

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	LIGHTING PLAN	SHEET 60	E

2

GENERAL NOTES

1. STATION/OFFSET MEASURED TO CENTER OF CONCRETE BASE AND POLE.
2. ALL LIGHTING CONDUCTORS SHALL BE RUN IN CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH EXCEPT UNDER ROADWAY, WHERE SCHEDULE 80 3-INCH SHALL BE USED.
3. LIGHT POLE HANDHOLES SHALL BE FACTORY PROVIDED AND LOCATED SO THEY ARE ON THE OPPOSITE SIDE OF THE POLE FROM STREET.



LIGHTING PLAN LEGEND

- PULL BOXES NON-CONDUCTIVE 24X42-INCH
- CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH (UNLESS OTHERWISE NOTED)
- LIGHTING UNITS, SINGLE ARM, ALUMINUM, ANODIZED BLACK
- LIGHTING CONTROL CABINET ON CONCRETE CONTROL CABINET BASE (24-INCH)
- EXISTING TRAFFIC SIGNAL CONTROL CABINET (WITH ELECTRICAL SERVICE)

LP100-(A#) — POLE NUMBER
LIGHTING CIRCUIT(S)
80+00'SB' - 18.5' LT — LOCATION (TO CENTER OF POLE)
LED D-5(T)-8
LUMINAIRE ARM LENGTH IN FEET
POLE TYPE - (T) INCLUDES TRANSFORMER BASE
LUMINAIRE DESIGNATION

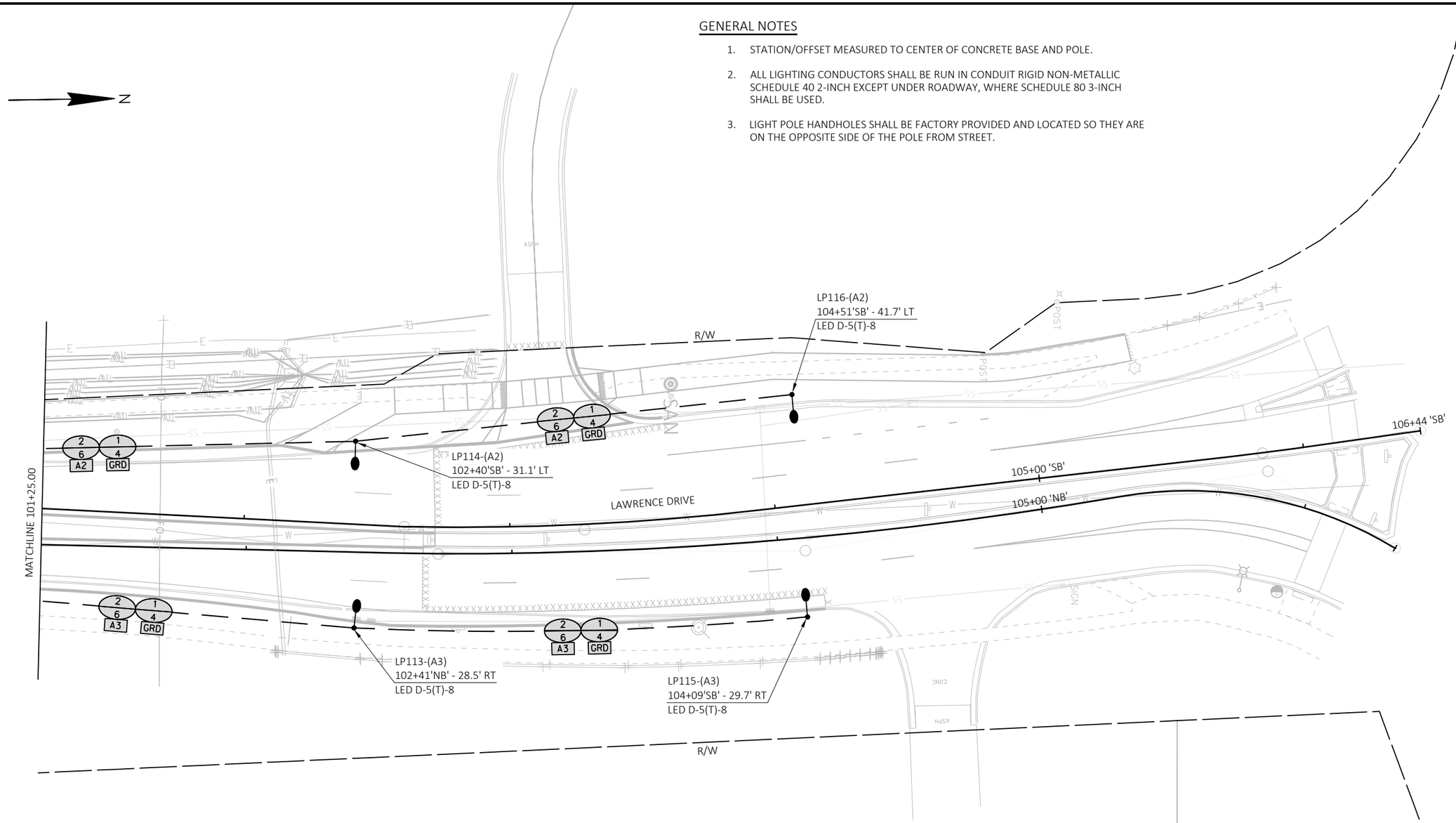
PHASE CONDUCTORS QUANTITY/SIZE (AWG)/CIRCUIT
EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)
LIGHTING PANEL AND CIRCUIT NUMBER

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	LIGHTING PLAN	SHEET 61	E

2

GENERAL NOTES

1. STATION/OFFSET MEASURED TO CENTER OF CONCRETE BASE AND POLE.
2. ALL LIGHTING CONDUCTORS SHALL BE RUN IN CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH EXCEPT UNDER ROADWAY, WHERE SCHEDULE 80 3-INCH SHALL BE USED.
3. LIGHT POLE HANDHOLES SHALL BE FACTORY PROVIDED AND LOCATED SO THEY ARE ON THE OPPOSITE SIDE OF THE POLE FROM STREET.



LIGHTING PLAN LEGEND

- PULL BOXES NON-CONDUCTIVE 24X42-INCH
- CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH (UNLESS OTHERWISE NOTED)
- LIGHTING UNITS, SINGLE ARM, ALUMINUM, ANODIZED BLACK
- LIGHTING CONTROL CABINET ON CONCRETE CONTROL CABINET BASE (24-INCH)
- EXISTING TRAFFIC SIGNAL CONTROL CABINET (WITH ELECTRICAL SERVICE)

LP100-(A#) — POLE NUMBER, LIGHTING CIRCUIT(S)
80+00'SB' - 18.5' LT — LOCATION (TO CENTER OF POLE)
LED D-5(T)-8 — LUMINAIRE ARM LENGTH IN FEET; POLE TYPE - (T) INCLUDES TRANSFORMER BASE; LUMINAIRE DESIGNATION

X X X X XX GRD — PHASE CONDUCTORS QUANTITY/SIZE (AWG)/CIRCUIT; EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG); LIGHTING PANEL AND CIRCUIT NUMBER

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	LIGHTING PLAN	SHEET 62	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\023601_LP.DWG
LAYOUT NAME - 05
PLOT DATE : 9/10/2023 10:03 AM
PLOT BY : JOANNA BUSH
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

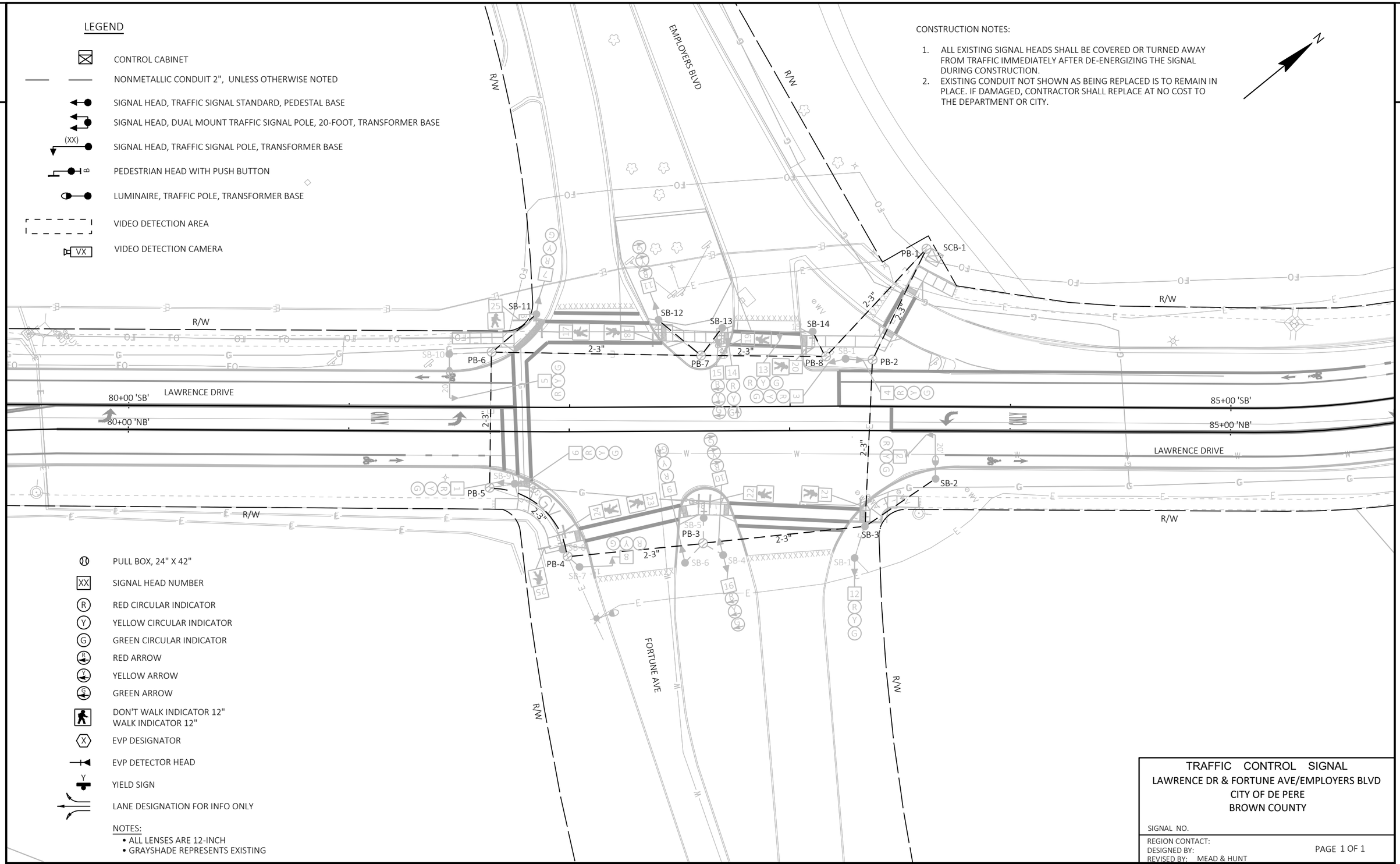
2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- SIGNAL HEAD, DUAL MOUNT TRAFFIC SIGNAL POLE, 20-FOOT, TRANSFORMER BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- VIDEO DETECTION AREA
- VX VIDEO DETECTION CAMERA

CONSTRUCTION NOTES:

1. ALL EXISTING SIGNAL HEADS SHALL BE COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER DE-ENERGIZING THE SIGNAL DURING CONSTRUCTION.
2. EXISTING CONDUIT NOT SHOWN AS BEING REPLACED IS TO REMAIN IN PLACE. IF DAMAGED, CONTRACTOR SHALL REPLACE AT NO COST TO THE DEPARTMENT OR CITY.



- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- DON'T WALK INDICATOR 12"
  WALK INDICATOR 12"
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
LAWRENCE DR & FORTUNE AVE/EMPLOYERS BLVD
CITY OF DE PERE
BROWN COUNTY

SIGNAL NO.

REGION CONTACT:
DESIGNED BY:
REVISED BY: MEAD & HUNT

PAGE 1 OF 1

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC SIGNAL PLAN	SHEET 63	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\024201_TS.DWG
LAYOUT NAME - 01

PLOT DATE : 9/10/2023 10:05 PM PLOT BY : JOANNA BUSH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

BEGIN PROJECT
STA 76+58.74

ASPH

77+00

78+00

79+00

80+00

LAWRENCE DRIVE

81+00

82+00

9'

3'

EMPLOYERS BLVD

FORTUNE AVE

N

2

PAVEMENT MARKING LEGEND

1	MARKING LINE EPOXY 4-INCH, YELLOW	6	MARKING STOP LINE EPOXY 12-INCH, WHITE	11	MARKING ARROW EPOXY, WHITE TYPE 2
2	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW	7	MARKING WORD EPOXY, WHITE	12	MARKING CURB EPOXY, YELLOW
3	MARKING LINE EPOXY 4-INCH, WHITE	8	MARKING SYMBOL EPOXY, WHITE	13	MARKING ISLAND NOSE EPOXY, YELLOW
4	MARKING CROSSWALK EPOXY TRANSVERSE LINE, 6-INCH, WHITE			14	MARKING YIELD LINE EPOXY, 18-INCH
5	MARKING LINE EPOXY 8-INCH, WHITE	10	MARKING ARROW EPOXY, WHITE BIKE LANE ARROW	15	MARKING CROSSWALK EPOXY BLOCK STYLE, 24-INCH

EMPLOYERS BLVD

FORTUNE AVE

83+00

84+00

85+00

86+00

LAWRENCE DRIVE

87+00

88+00

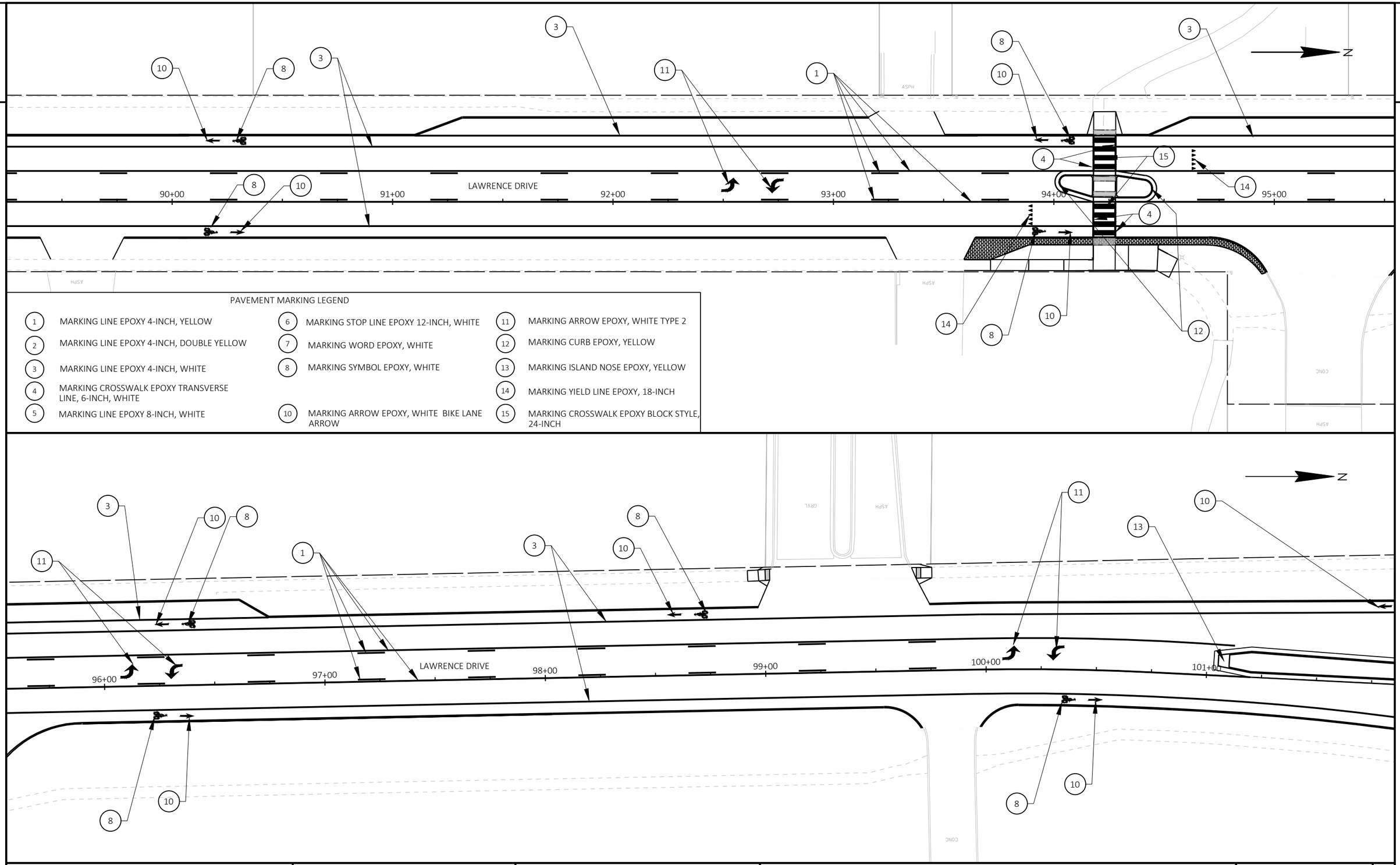
89+00

9'

3'

N

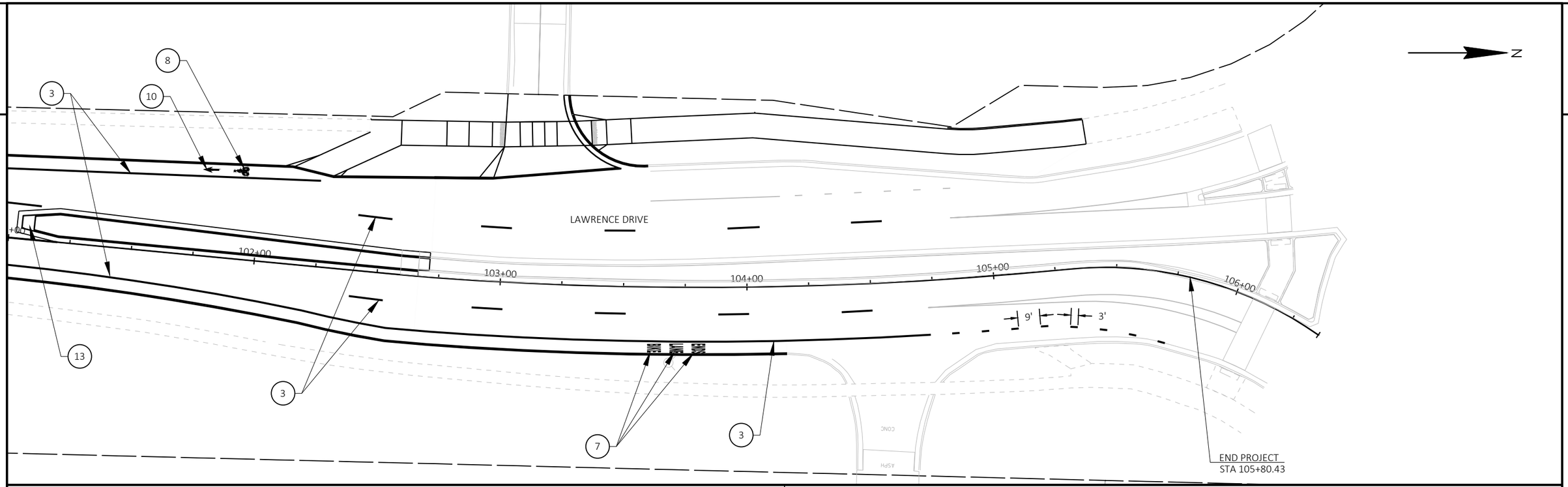
PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	PAVEMENT MARKING	SHEET 64	E



PAVEMENT MARKING LEGEND

1	MARKING LINE EPOXY 4-INCH, YELLOW	6	MARKING STOP LINE EPOXY 12-INCH, WHITE	11	MARKING ARROW EPOXY, WHITE TYPE 2
2	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW	7	MARKING WORD EPOXY, WHITE	12	MARKING CURB EPOXY, YELLOW
3	MARKING LINE EPOXY 4-INCH, WHITE	8	MARKING SYMBOL EPOXY, WHITE	13	MARKING ISLAND NOSE EPOXY, YELLOW
4	MARKING CROSSWALK EPOXY TRANSVERSE LINE, 6-INCH, WHITE			14	MARKING YIELD LINE EPOXY, 18-INCH
5	MARKING LINE EPOXY 8-INCH, WHITE	10	MARKING ARROW EPOXY, WHITE BIKE LANE ARROW	15	MARKING CROSSWALK EPOXY BLOCK STYLE, 24-INCH

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	PAVEMENT MARKING	SHEET 65 E



PAVEMENT MARKING LEGEND

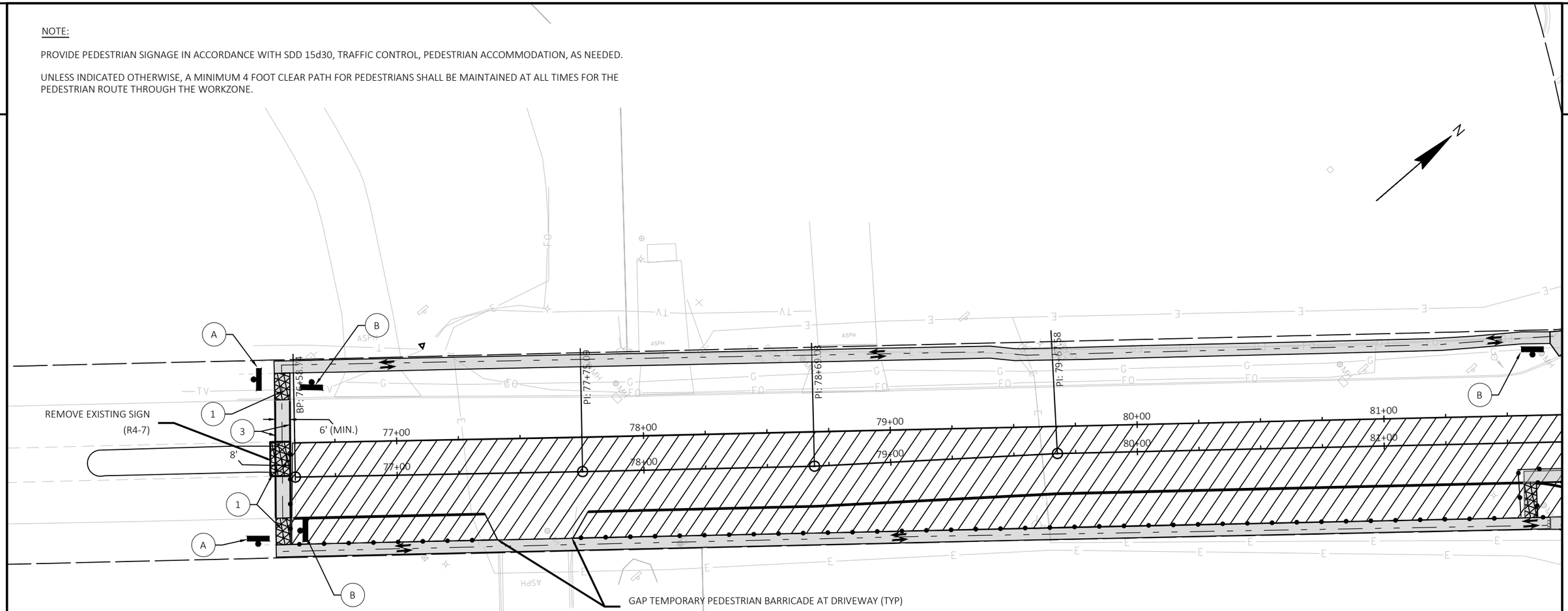
1	MARKING LINE EPOXY 4-INCH, YELLOW	6	MARKING STOP LINE EPOXY 12-INCH, WHITE	11	MARKING ARROW EPOXY, WHITE TYPE 2
2	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW	7	MARKING WORD EPOXY, WHITE	12	MARKING CURB EPOXY, YELLOW
3	MARKING LINE EPOXY 4-INCH, WHITE	8	MARKING SYMBOL EPOXY, WHITE	13	MARKING ISLAND NOSE EPOXY, YELLOW
4	MARKING CROSSWALK EPOXY TRANSVERSE LINE, 6-INCH, WHITE			14	MARKING YIELD LINE EPOXY, 18-INCH
5	MARKING LINE EPOXY 8-INCH, WHITE	10	MARKING ARROW EPOXY, WHITE BIKE LANE ARROW	15	MARKING CROSSWALK EPOXY BLOCK STYLE, 24-INCH

PROJECT NO: 4895-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	PAVEMENT MARKING	SHEET 66	E

NOTE:

PROVIDE PEDESTRIAN SIGNAGE IN ACCORDANCE WITH SDD 15d30, TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION, AS NEEDED.

UNLESS INDICATED OTHERWISE, A MINIMUM 4 FOOT CLEAR PATH FOR PEDESTRIANS SHALL BE MAINTAINED AT ALL TIMES FOR THE PEDESTRIAN ROUTE THROUGH THE WORKZONE.



LEGEND

- (1) TEMPORARY PEDESTRIAN CURB RAMP TYPE 3
- (2) TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB
- (3) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- PROPOSED PEDESTRIAN ROUTE THROUGH WORKZONE
- PROPOSED PROJECT WORKZONE
- PEDESTRIAN DIRECTION OF TRAVEL
- PRESERVE TRAIL/SIDEWALK CLOSURE DETOUR ROUTE

A	B	C	D	E
DETOUR M4-9BL 30"X24"	DETOUR M4-9BR 30"X24"	SIDEWALK CLOSED AHEAD DETOUR R9-9A 30"X18" M4-9BL 30"X24"	SIDEWALK CLOSED AHEAD DETOUR R9-9A 30"X18" M4-9BR 30"X24"	SIDEWALK CLOSED R9-9 24"X12"

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - TEMPORARY PEDESTRIAN ACCOMMODATIONS (STAGE 1)	SHEET 67	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\TMP_STG1.DWG
LAYOUT NAME - 020201_TC1

PLOT DATE : 10/10/2023 9:39 AM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTE:

PROVIDE PEDESTRIAN SIGNAGE IN ACCORDANCE WITH SDD 15d30, TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION, AS NEEDED.

UNLESS INDICATED OTHERWISE, A MINIMUM 4 FOOT CLEAR PATH FOR PEDESTRIANS SHALL BE MAINTAINED AT ALL TIMES FOR THE PEDESTRIAN ROUTE THROUGH THE WORKZONE.

LEGEND

1 TEMPORARY PEDESTRIAN CURB RAMP TYPE 3

2 TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB

3 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

4 TEMPORARY PEDESTRIAN CURB RAMP PARALLEL TO CURB

TEMPORARY PEDESTRIAN BARRICADE

TEMPORARY PEDESTRIAN SURFACE ASPHALT

PROPOSED PEDESTRIAN ROUTE THROUGH WORKZONE

PROPOSED PROJECT WORKZONE

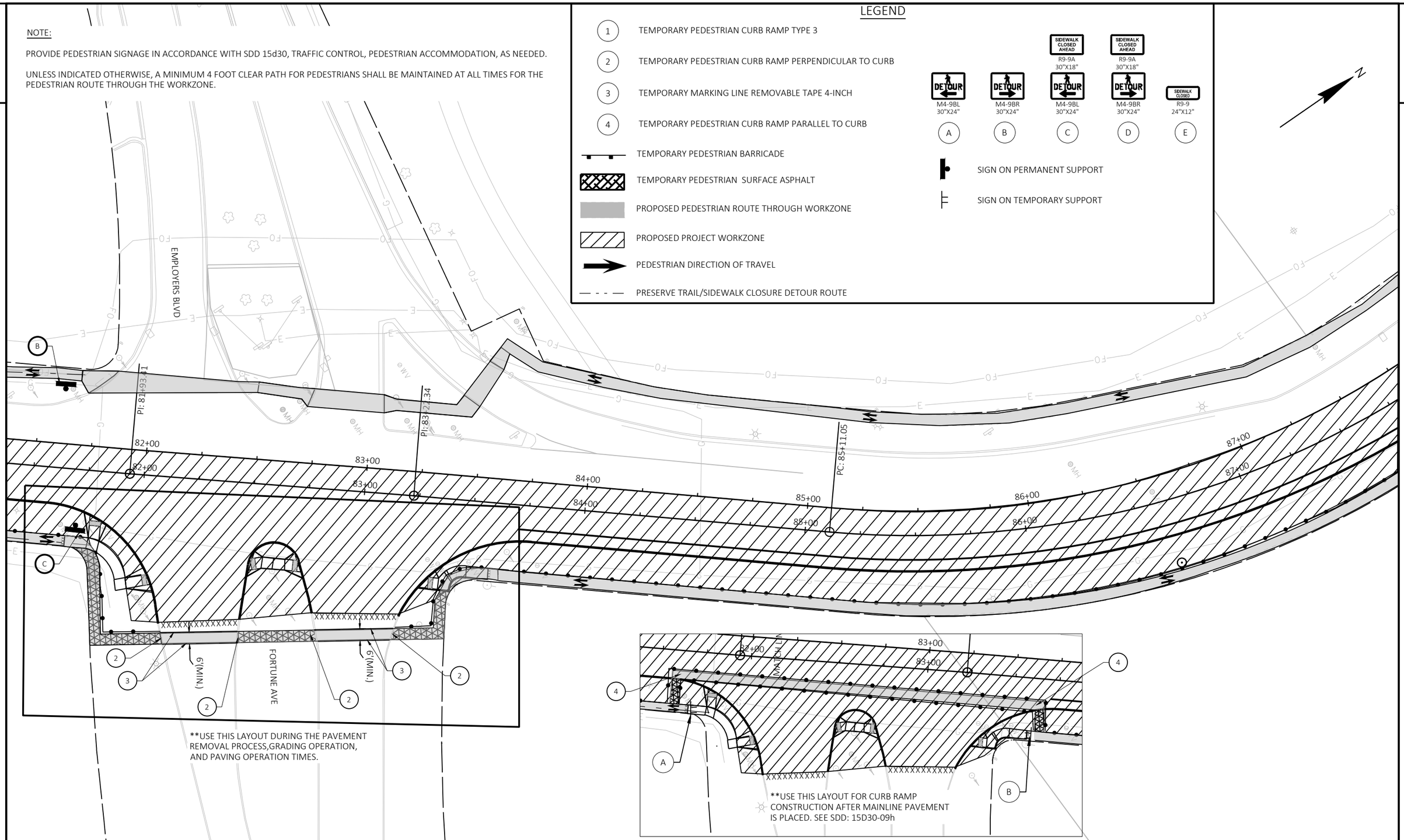
PEDESTRIAN DIRECTION OF TRAVEL

PRESERVE TRAIL/SIDEWALK CLOSURE DETOUR ROUTE

A	B	C	D	E
DETOUR M4-9BL 30"X24"	DETOUR M4-9BR 30"X24"	SIDEWALK CLOSED AHEAD R9-9A 30"X18" DETOUR M4-9BL 30"X24"	SIDEWALK CLOSED AHEAD R9-9A 30"X18" DETOUR M4-9BR 30"X24"	SIDEWALK CLOSED R9-9 24"X12"

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

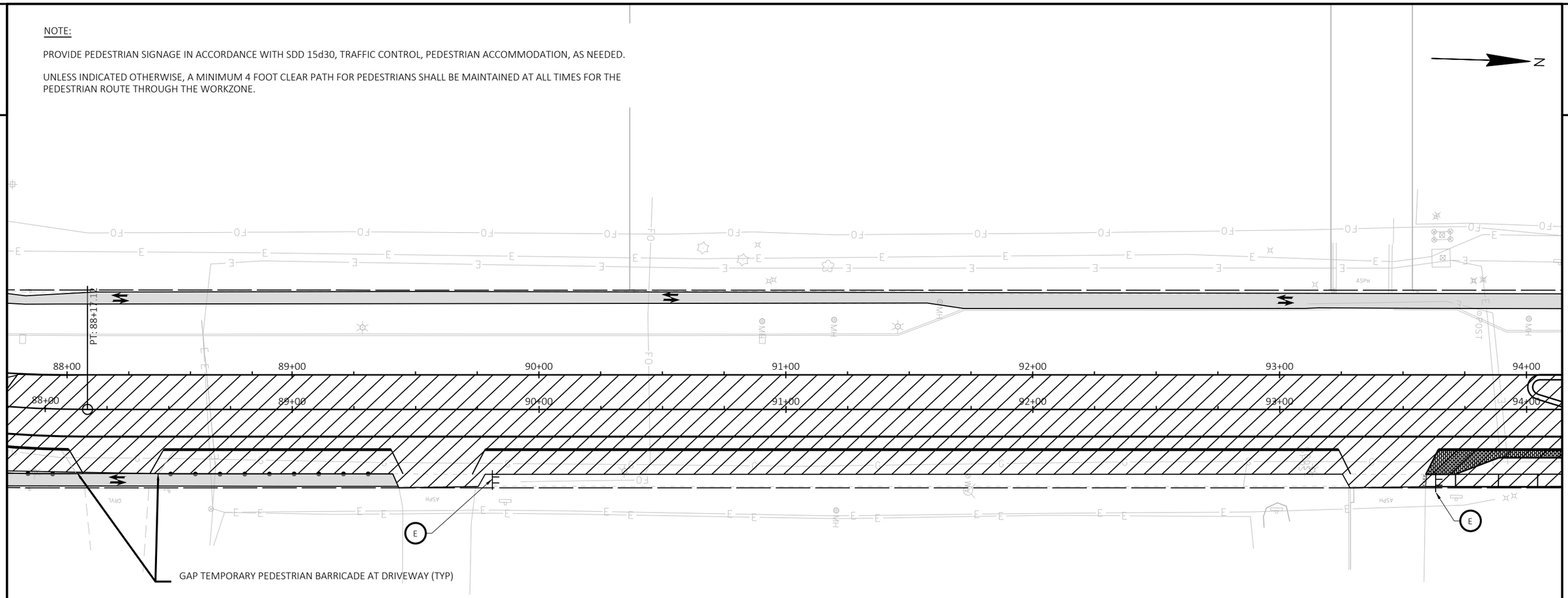


PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - TEMPORARY PEDESTRIAN ACCOMMODATIONS (STAGE 1)	SHEET 68	E

NOTE:

PROVIDE PEDESTRIAN SIGNAGE IN ACCORDANCE WITH SDD 15d30, TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION, AS NEEDED.

UNLESS INDICATED OTHERWISE, A MINIMUM 4 FOOT CLEAR PATH FOR PEDESTRIANS SHALL BE MAINTAINED AT ALL TIMES FOR THE PEDESTRIAN ROUTE THROUGH THE WORKZONE.



LEGEND

1 TEMPORARY PEDESTRIAN CURB RAMP TYPE 3

2 TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB

3 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

TEMPORARY PEDESTRIAN BARRICADE

TEMPORARY PEDESTRIAN SURFACE ASPHALT

PROPOSED PEDESTRIAN ROUTE THROUGH WORKZONE

PROPOSED PROJECT WORKZONE

PEDESTRIAN DIRECTION OF TRAVEL

PRESERVE TRAIL/SIDEWALK CLOSURE DETOUR ROUTE

A	B	C	D	E
DETOUR	DETOUR	SIDEWALK CLOSED AHEAD / DETOUR	SIDEWALK CLOSED AHEAD / DETOUR	SIDEWALK CLOSED
M4-9BL 30"X24"	M4-9BR 30"X24"	R9-9A 30"X18" / M4-9BL 30"X24"	R9-9A 30"X18" / M4-9BR 30"X24"	R9-9 24"X12"

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - TEMPORARY PEDESTRIAN ACCOMMODATIONS (STAGE 1)	SHEET 69	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\TMP_STG1.DWG
LAYOUT NAME - 020201_TC3

PLOT DATE : 10/10/2023 9:43 AM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

1 TEMPORARY PEDESTRIAN CURB RAMP TYPE 3

2 TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB

3 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

TEMPORARY PEDESTRIAN BARRICADE

TEMPORARY PEDESTRIAN SURFACE ASPHALT

PROPOSED PEDESTRIAN ROUTE THROUGH WORKZONE

PROPOSED PROJECT WORKZONE

PEDESTRIAN DIRECTION OF TRAVEL

PRESERVE TRAIL/SIDEWALK CLOSURE DETOUR ROUTE

A	B	C	D	E
DETOUR	DETOUR	SIDEWALK CLOSED AHEAD / DETOUR	SIDEWALK CLOSED AHEAD / DETOUR	SIDEWALK CLOSED
M4-9BL 30"X24"	M4-9BR 30"X24"	R9-9A 30"X18" / M4-9BL 30"X24"	R9-9A 30"X18" / M4-9BR 30"X24"	R9-9 24"X12"

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

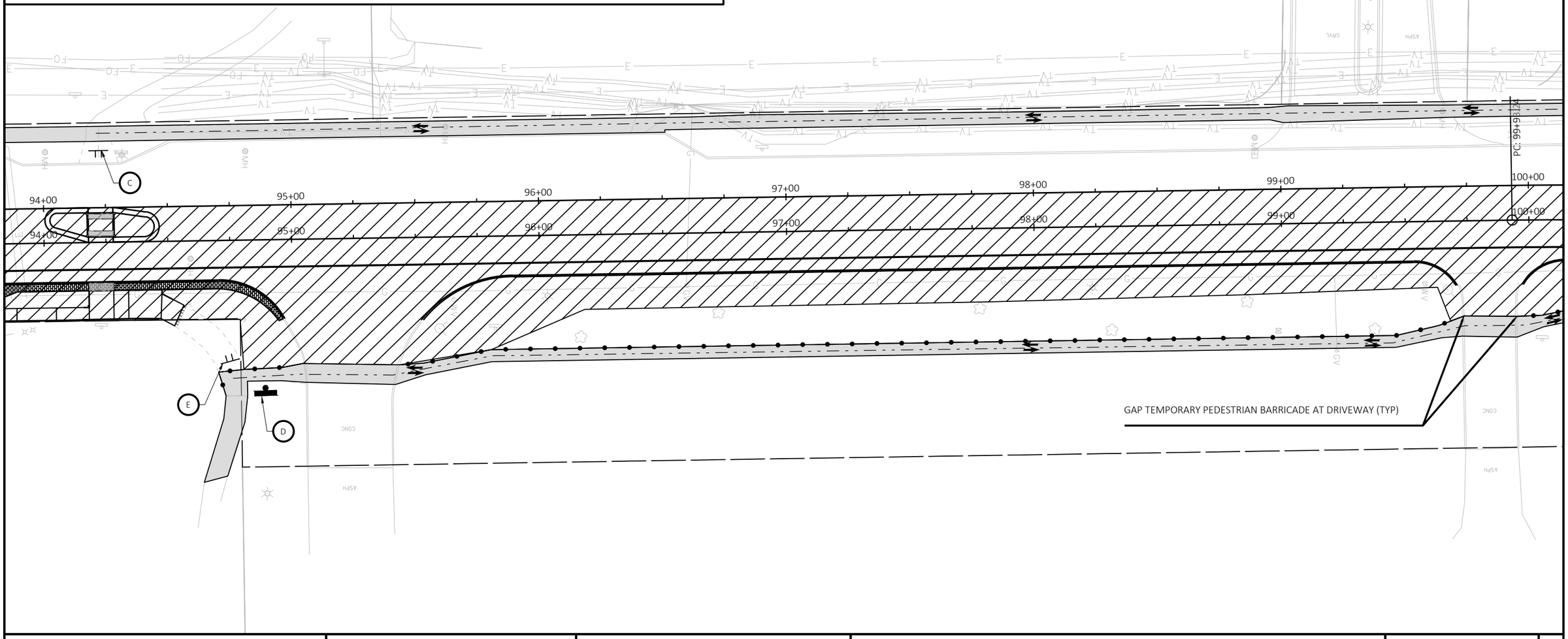
NOTE:

PROVIDE PEDESTRIAN SIGNAGE IN ACCORDANCE WITH SDD 15d30, TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION, AS NEEDED.

UNLESS INDICATED OTHERWISE, A MINIMUM 4 FOOT CLEAR PATH FOR PEDESTRIANS SHALL BE MAINTAINED AT ALL TIMES FOR THE PEDESTRIAN ROUTE THROUGH THE WORKZONE.

N

2



PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - TEMPORARY PEDESTRIAN ACCOMMODATIONS (STAGE 1)	SHEET 70	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\TMP_STG1.DWG
LAYOUT NAME - 020201_TC4
PLOT DATE : 10/10/2023 9:46 AM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

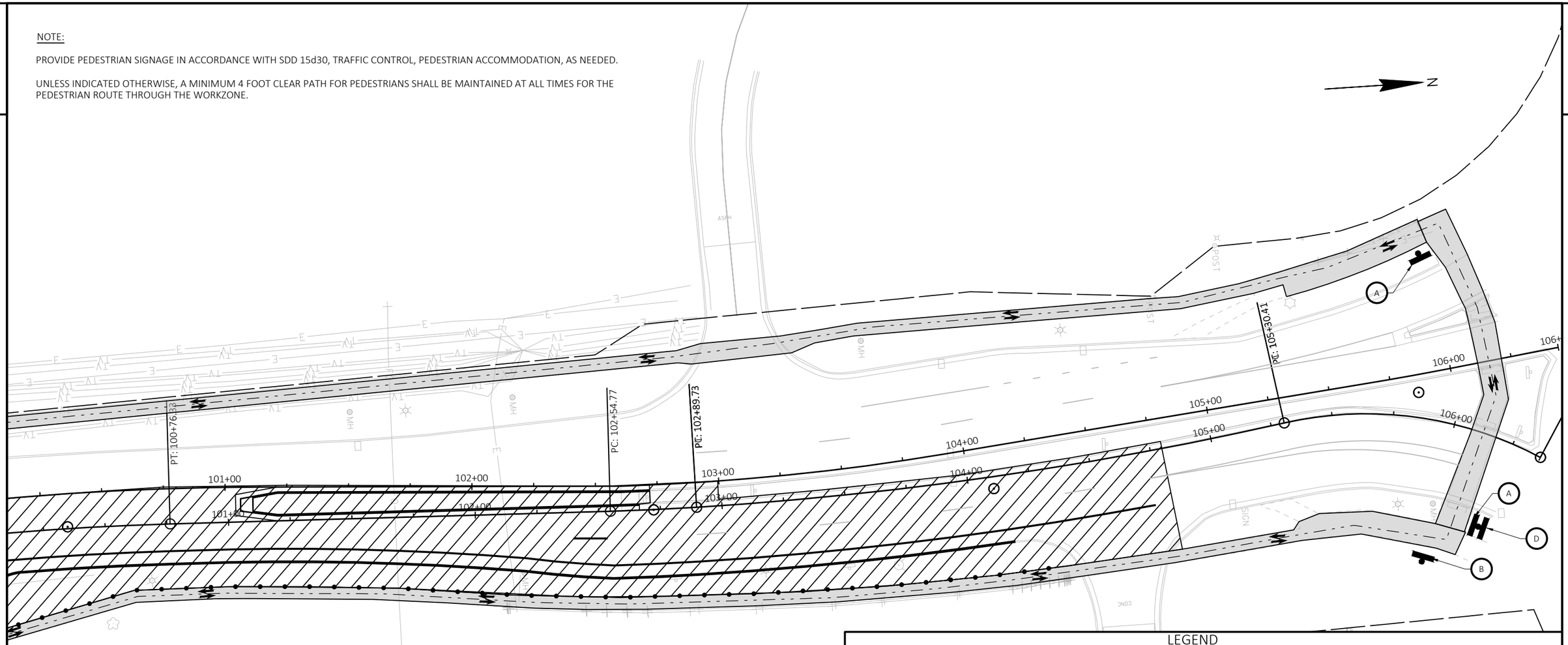
2

NOTE:

PROVIDE PEDESTRIAN SIGNAGE IN ACCORDANCE WITH SDD 15d30, TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION, AS NEEDED.

UNLESS INDICATED OTHERWISE, A MINIMUM 4 FOOT CLEAR PATH FOR PEDESTRIANS SHALL BE MAINTAINED AT ALL TIMES FOR THE PEDESTRIAN ROUTE THROUGH THE WORKZONE.

2



LEGEND

1 TEMPORARY PEDESTRIAN CURB RAMP TYPE 3

2 TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB

3 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

TEMPORARY PEDESTRIAN BARRICADE

TEMPORARY PEDESTRIAN SURFACE ASPHALT

PROPOSED PEDESTRIAN ROUTE THROUGH WORKZONE

PROPOSED PROJECT WORKZONE

PEDESTRIAN DIRECTION OF TRAVEL

PRESERVE TRAIL/SIDEWALK CLOSURE DETOUR ROUTE

M4-9BL 30"X24"	M4-9BR 30"X24"	R9-9A 30"X18" M4-9BL 30"X24"	R9-9A 30"X18" M4-9BR 30"X24"	R9-9 24"X12"
A	B	C	D	E

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - TEMPORARY PEDESTRIAN ACCOMMODATIONS (STAGE 1)	SHEET 71	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\TMP_STG1.DWG
LAYOUT NAME - 020201_TC5

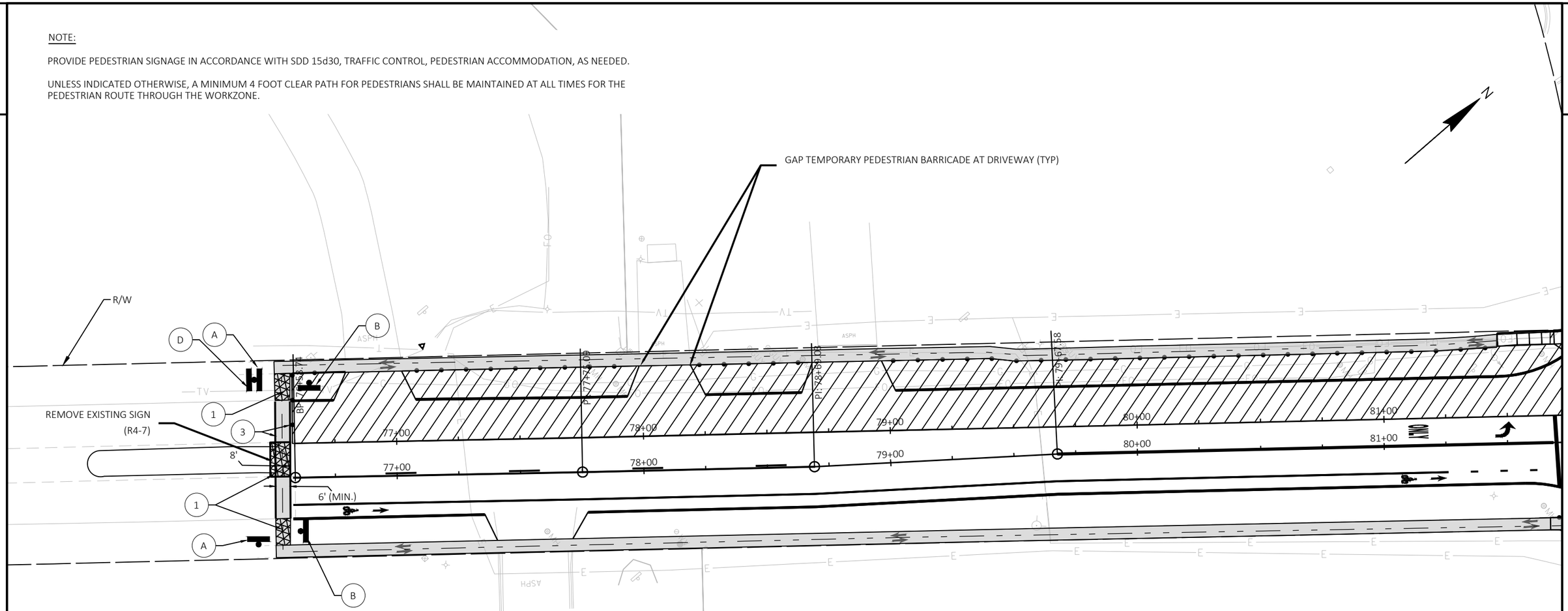
PLOT DATE : 10/10/2023 9:46 AM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTE:

PROVIDE PEDESTRIAN SIGNAGE IN ACCORDANCE WITH SDD 15d30, TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION, AS NEEDED.

UNLESS INDICATED OTHERWISE, A MINIMUM 4 FOOT CLEAR PATH FOR PEDESTRIANS SHALL BE MAINTAINED AT ALL TIMES FOR THE PEDESTRIAN ROUTE THROUGH THE WORKZONE.



LEGEND

- 1 — TEMPORARY PEDESTRIAN CURB RAMP TYPE 3
- 2 — TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB
- 3 — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- PROPOSED PEDESTRIAN ROUTE THROUGH WORKZONE
- PROPOSED PROJECT WORKZONE
- PEDESTRIAN DIRECTION OF TRAVEL
- PRESERVE TRAIL/SIDEWALK CLOSURE DETOUR ROUTE

A	B	C	D	E
M4-9BL 30"X24"	M4-9BR 30"X24"	M4-9BL 30"X24"	M4-9BR 30"X24"	R9-9 24"X12"

SIDEWALK CLOSED AHEAD R9-9A 30"X18" (C)

SIDEWALK CLOSED AHEAD R9-9A 30"X18" (D)

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - TEMPORARY PEDESTRIAN ACCOMMODATIONS (STAGE 2A)	SHEET 72	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\TMP_STG2.DWG
LAYOUT NAME - 020202_TC1

PLOT DATE : 10/10/2023 9:54 AM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

1 TEMPORARY PEDESTRIAN CURB RAMP TYPE 3

2 TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB

3 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

TEMPORARY PEDESTRIAN BARRICADE

TEMPORARY PEDESTRIAN SURFACE ASPHALT

PROPOSED PEDESTRIAN ROUTE THROUGH WORKZONE

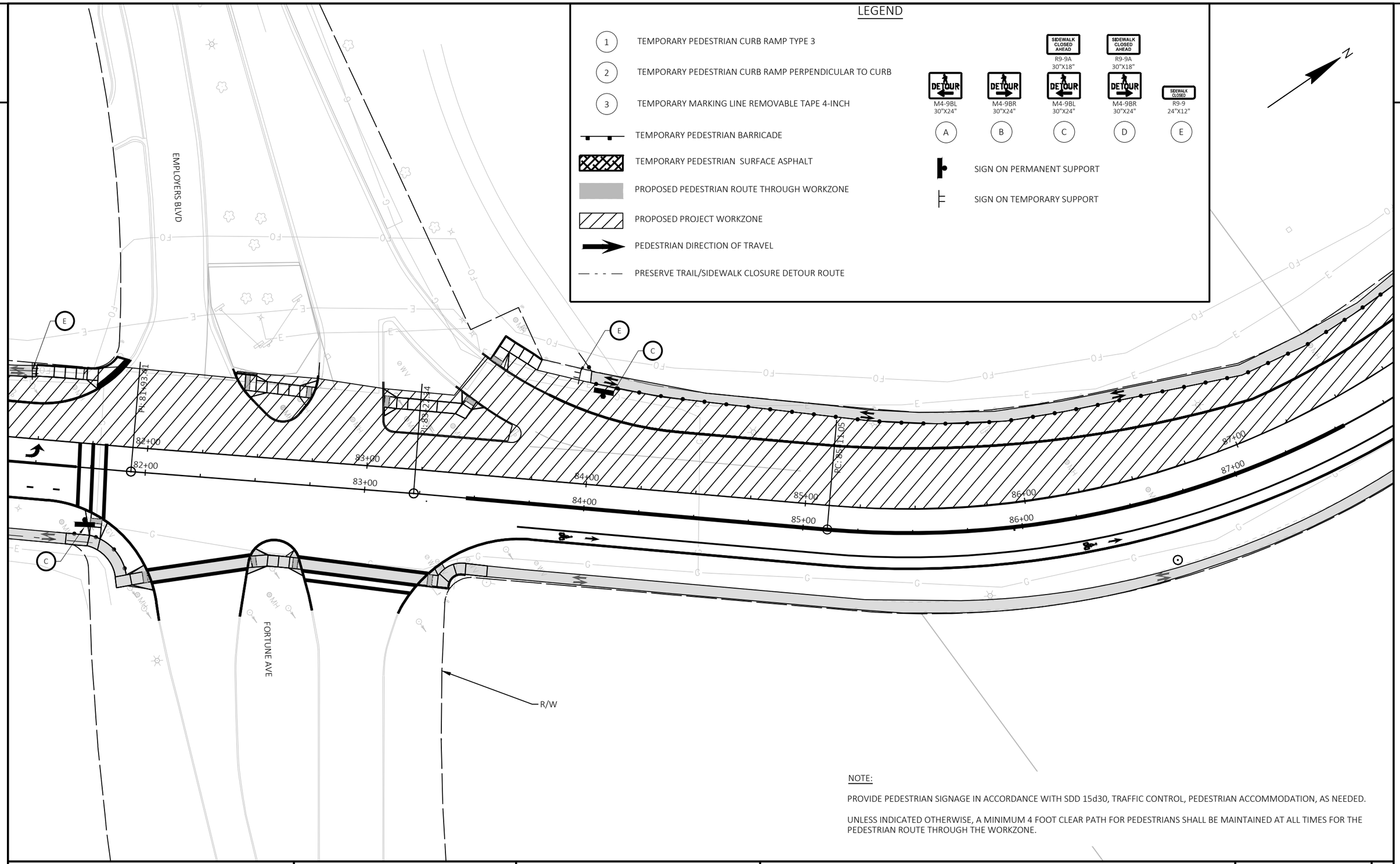
PROPOSED PROJECT WORKZONE

PEDESTRIAN DIRECTION OF TRAVEL

PRESERVE TRAIL/SIDEWALK CLOSURE DETOUR ROUTE

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT



NOTE:

PROVIDE PEDESTRIAN SIGNAGE IN ACCORDANCE WITH SDD 15d30, TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION, AS NEEDED.

UNLESS INDICATED OTHERWISE, A MINIMUM 4 FOOT CLEAR PATH FOR PEDESTRIANS SHALL BE MAINTAINED AT ALL TIMES FOR THE PEDESTRIAN ROUTE THROUGH THE WORKZONE.

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - TEMPORARY PEDESTRIAN ACCOMMODATIONS (STAGE 2A)	SHEET 73	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\TMP_STG2.DWG
LAYOUT NAME - 020202_TC2

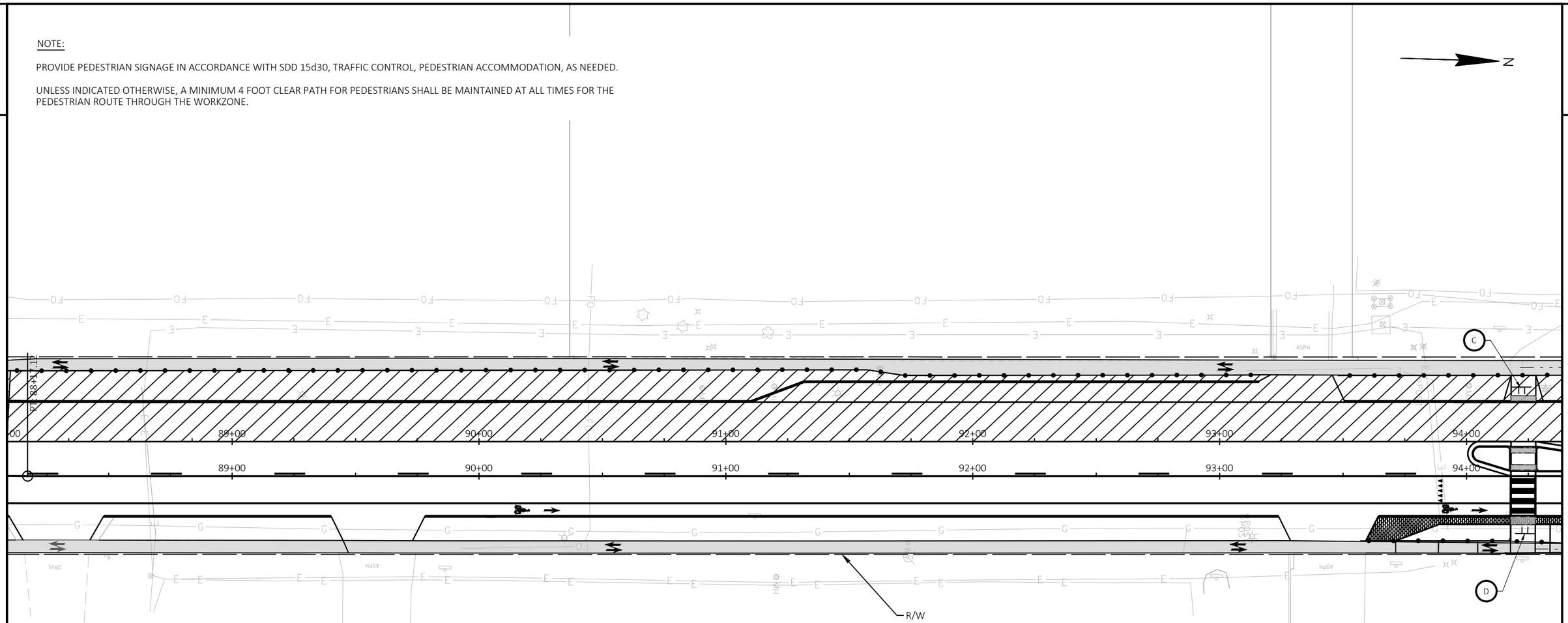
PLOT DATE : 10/10/2023 9:55 AM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

NOTE:

PROVIDE PEDESTRIAN SIGNAGE IN ACCORDANCE WITH SDD 15d30, TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION, AS NEEDED.

UNLESS INDICATED OTHERWISE, A MINIMUM 4 FOOT CLEAR PATH FOR PEDESTRIANS SHALL BE MAINTAINED AT ALL TIMES FOR THE PEDESTRIAN ROUTE THROUGH THE WORKZONE.



LEGEND

1 TEMPORARY PEDESTRIAN CURB RAMP TYPE 3

2 TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB

3 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

TEMPORARY PEDESTRIAN BARRICADE

TEMPORARY PEDESTRIAN SURFACE ASPHALT

PROPOSED PEDESTRIAN ROUTE THROUGH WORKZONE

PROPOSED PROJECT WORKZONE

PEDESTRIAN DIRECTION OF TRAVEL

PRESERVE TRAIL/SIDEWALK CLOSURE DETOUR ROUTE

A	B	C	D	E
DETOUR M4-9BL 30"X24"	DETOUR M4-9BR 30"X24"	SIDEWALK CLOSED AHEAD R9-9A 30"X18" DETOUR M4-9BL 30"X24"	SIDEWALK CLOSED AHEAD R9-9A 30"X18" DETOUR M4-9BR 30"X24"	SIDEWALK CLOSED R9-9 24"X12"

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - TEMPORARY PEDESTRIAN ACCOMMODATIONS (STAGE 2A)	SHEET 74	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\TMP_STG2.DWG
LAYOUT NAME - 020202_TC3

PLOT DATE : 10/10/2023 9:57 AM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

1 TEMPORARY PEDESTRIAN CURB RAMP TYPE 3

2 TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB

3 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

TEMPORARY PEDESTRIAN BARRICADE

TEMPORARY PEDESTRIAN SURFACE ASPHALT

PROPOSED PEDESTRIAN ROUTE THROUGH WORKZONE

PROPOSED PROJECT WORKZONE

PEDESTRIAN DIRECTION OF TRAVEL

PRESERVE TRAIL/SIDEWALK CLOSURE DETOUR ROUTE

A	B	C	D	E
DETOUR	DETOUR	SIDEWALK CLOSED AHEAD / DETOUR	SIDEWALK CLOSED AHEAD / DETOUR	SIDEWALK CLOSED
M4-9BL 30"X24"	M4-9BR 30"X24"	R9-9A 30"X18" / M4-9BL 30"X24"	R9-9A 30"X18" / M4-9BR 30"X24"	R9-9 24"X12"

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

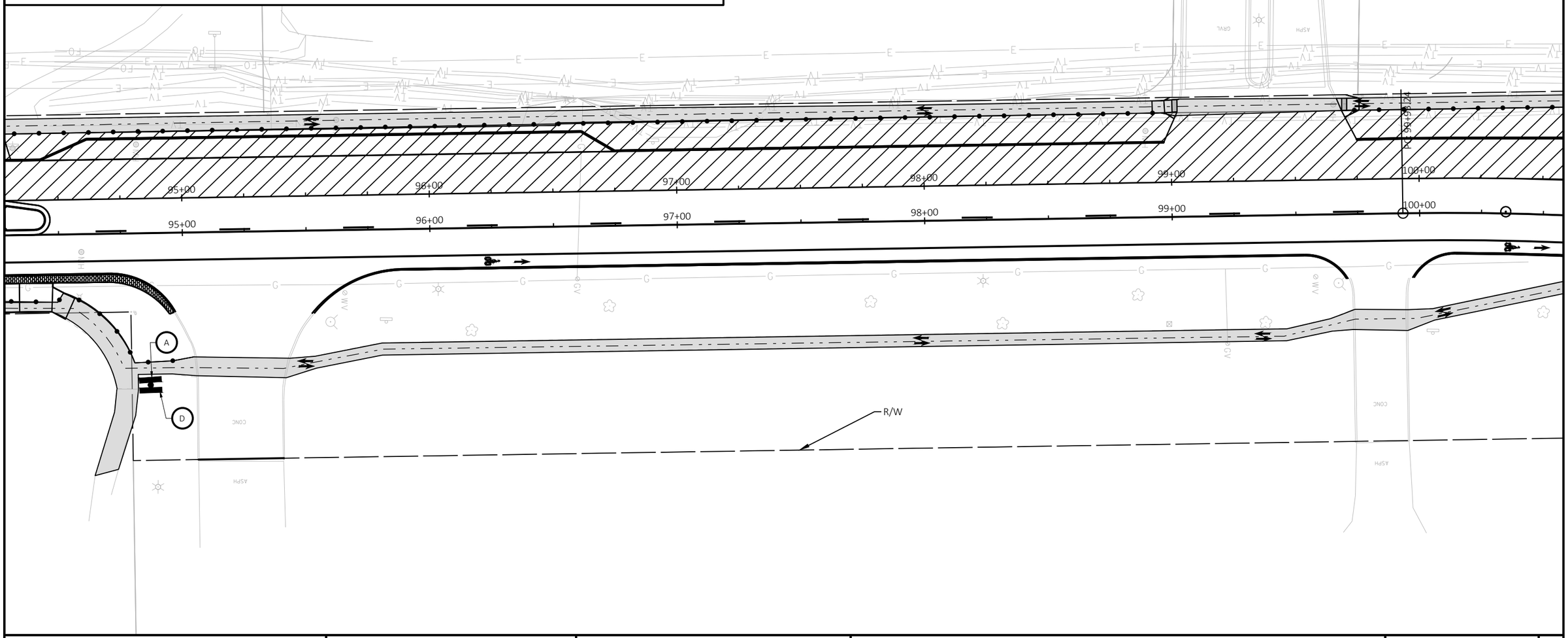
NOTE:

PROVIDE PEDESTRIAN SIGNAGE IN ACCORDANCE WITH SDD 15d30, TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION, AS NEEDED.

UNLESS INDICATED OTHERWISE, A MINIMUM 4 FOOT CLEAR PATH FOR PEDESTRIANS SHALL BE MAINTAINED AT ALL TIMES FOR THE PEDESTRIAN ROUTE THROUGH THE WORKZONE.

N

2



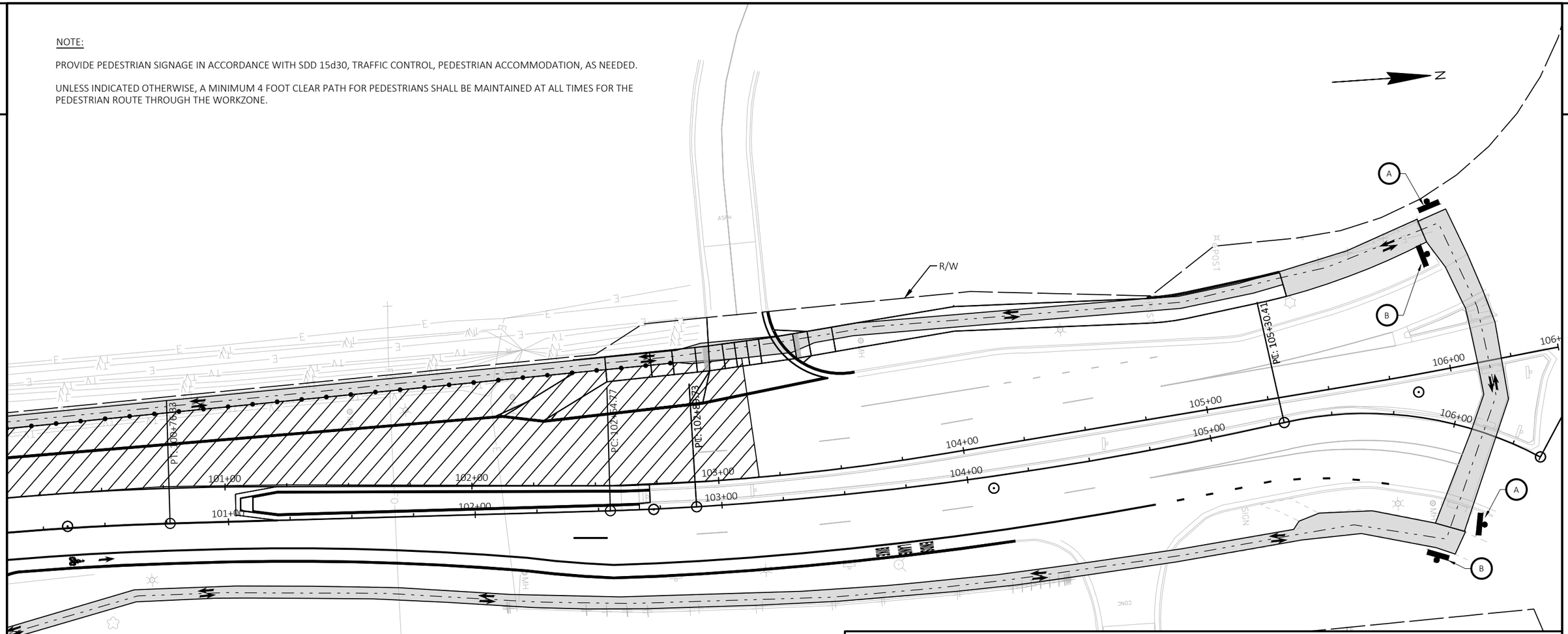
PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - TEMPORARY PEDESTRIAN ACCOMMODATIONS (STAGE 2A)	SHEET 75	E

NOTE:

PROVIDE PEDESTRIAN SIGNAGE IN ACCORDANCE WITH SDD 15d30, TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION, AS NEEDED.

UNLESS INDICATED OTHERWISE, A MINIMUM 4 FOOT CLEAR PATH FOR PEDESTRIANS SHALL BE MAINTAINED AT ALL TIMES FOR THE PEDESTRIAN ROUTE THROUGH THE WORKZONE.

2



LEGEND

- 1 — TEMPORARY PEDESTRIAN CURB RAMP TYPE 3
- 2 — TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB
- 3 — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- PROPOSED PEDESTRIAN ROUTE THROUGH WORKZONE
- PROPOSED PROJECT WORKZONE
- PEDESTRIAN DIRECTION OF TRAVEL
- PRESERVE TRAIL/SIDEWALK CLOSURE DETOUR ROUTE

A	B	C	D	E
M4-9BL 30"X24"	M4-9BR 30"X24"	M4-9BL 30"X24"	M4-9BR 30"X24"	R9-9 24"X12"
		R9-9A 30"X18"	R9-9A 30"X18"	

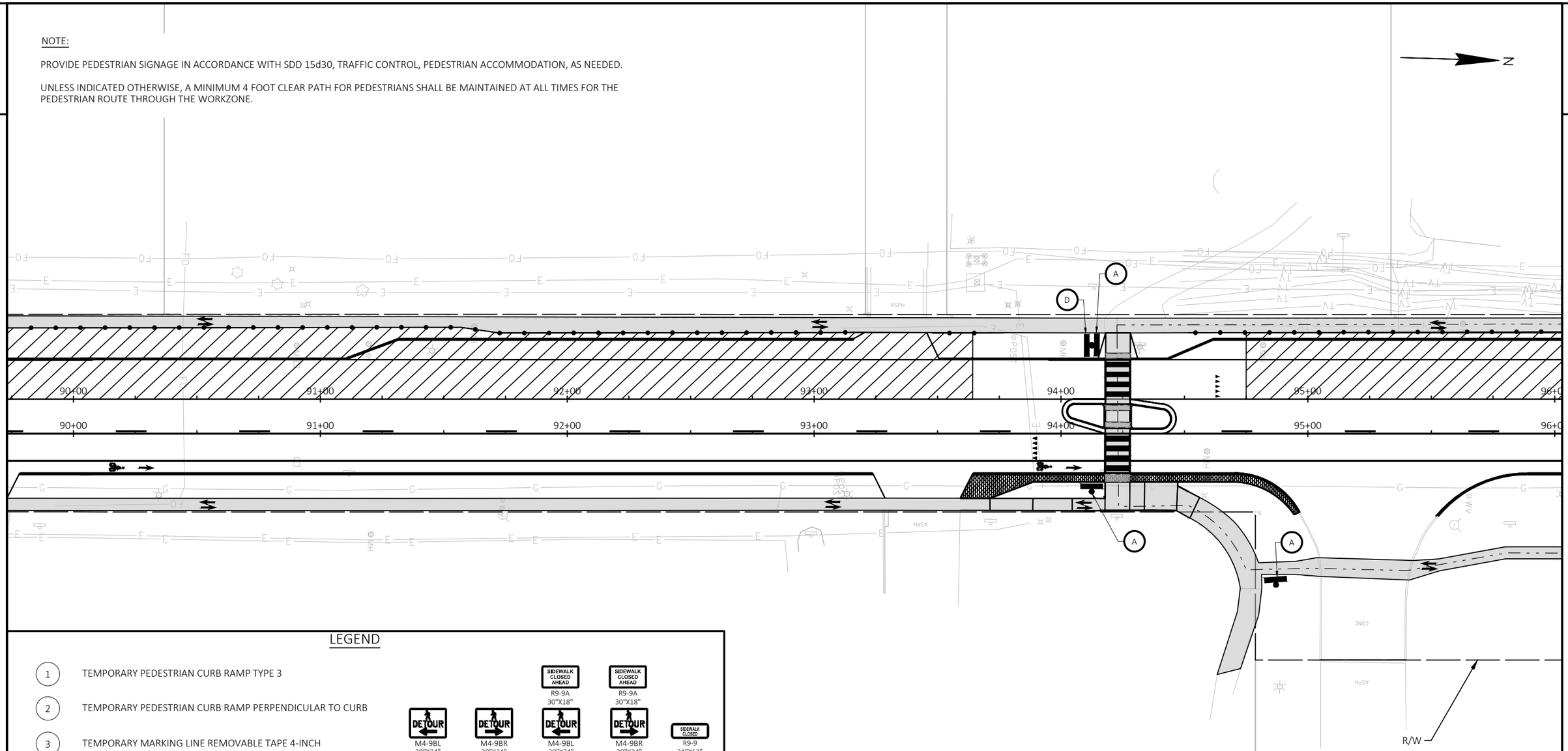
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - TEMPORARY PEDESTRIAN ACCOMMODATIONS (STAGE 2A)	SHEET 76	E

NOTE:

PROVIDE PEDESTRIAN SIGNAGE IN ACCORDANCE WITH SDD 15d30, TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION, AS NEEDED.

UNLESS INDICATED OTHERWISE, A MINIMUM 4 FOOT CLEAR PATH FOR PEDESTRIANS SHALL BE MAINTAINED AT ALL TIMES FOR THE PEDESTRIAN ROUTE THROUGH THE WORKZONE.



LEGEND

1 TEMPORARY PEDESTRIAN CURB RAMP TYPE 3

2 TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB

3 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

TEMPORARY PEDESTRIAN BARRICADE

TEMPORARY PEDESTRIAN SURFACE ASPHALT

PROPOSED PEDESTRIAN ROUTE THROUGH WORKZONE

PROPOSED PROJECT WORKZONE

PEDESTRIAN DIRECTION OF TRAVEL

PRESERVE TRAIL/SIDEWALK CLOSURE DETOUR ROUTE

A	B	C	D	E
DETOUR M4-9BL 30"X24"	DETOUR M4-9BR 30"X24"	SIDEWALK CLOSED AHEAD R9-9A 30"X18" DETOUR M4-9BL 30"X24"	SIDEWALK CLOSED AHEAD R9-9A 30"X18" DETOUR M4-9BR 30"X24"	SIDEWALK CLOSED R9-9 24"X12"

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - TEMPORARY PEDESTRIAN ACCOMMODATIONS (STAGE 2B)	SHEET 77	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\TMP_STG2B.DWG
LAYOUT NAME - 020202_TC3B

PLOT DATE : 10/10/2023 10:27 AM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

1. TEMPORARY PEDESTRIAN CURB RAMP TYPE 3
2. TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB
3. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

TEMPORARY PEDESTRIAN BARRICADE

TEMPORARY PEDESTRIAN SURFACE ASPHALT

PROPOSED PEDESTRIAN ROUTE THROUGH WORKZONE

PROPOSED PROJECT WORKZONE

PEDESTRIAN DIRECTION OF TRAVEL

PRESERVE TRAIL/SIDEWALK CLOSURE DETOUR ROUTE

A	B	C	D	E
DETOUR M4-9BL 30"X24"	DETOUR M4-9BR 30"X24"	SIDEWALK CLOSED AHEAD R9-9A 30"X18" DETOUR M4-9BL 30"X24"	SIDEWALK CLOSED AHEAD R9-9A 30"X18" DETOUR M4-9BR 30"X24"	SIDEWALK CLOSED R9-9 24"X12"

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

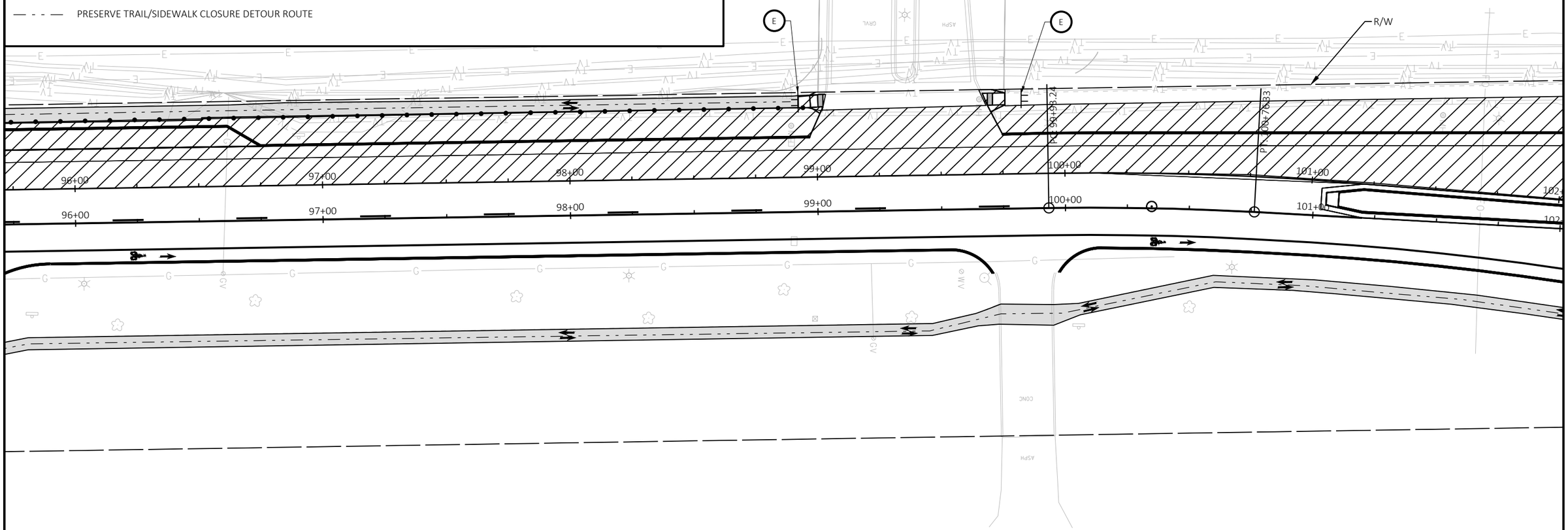
NOTE:

PROVIDE PEDESTRIAN SIGNAGE IN ACCORDANCE WITH SDD 15d30, TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION, AS NEEDED.

UNLESS INDICATED OTHERWISE, A MINIMUM 4 FOOT CLEAR PATH FOR PEDESTRIANS SHALL BE MAINTAINED AT ALL TIMES FOR THE PEDESTRIAN ROUTE THROUGH THE WORKZONE.

N

2



PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - TEMPORARY PEDESTRIAN ACCOMMODATIONS (STAGE 2B)	SHEET 78	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\TMP_STG2B.DWG
LAYOUT NAME - 020202_TC4B

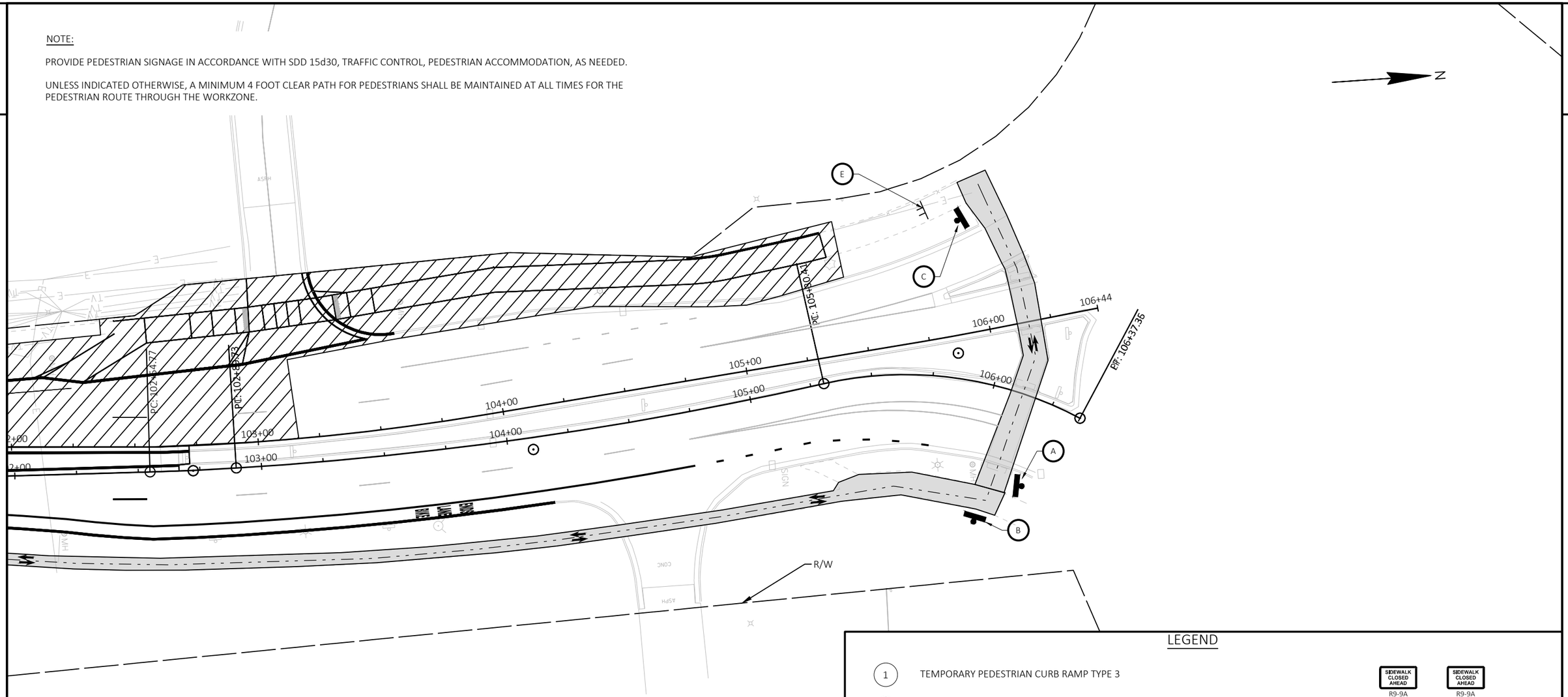
PLOT DATE : 10/10/2023 10:28 AM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTE:

PROVIDE PEDESTRIAN SIGNAGE IN ACCORDANCE WITH SDD 15d30, TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION, AS NEEDED.

UNLESS INDICATED OTHERWISE, A MINIMUM 4 FOOT CLEAR PATH FOR PEDESTRIANS SHALL BE MAINTAINED AT ALL TIMES FOR THE PEDESTRIAN ROUTE THROUGH THE WORKZONE.



LEGEND

1. TEMPORARY PEDESTRIAN CURB RAMP TYPE 3
2. TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB
3. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

TEMPORARY PEDESTRIAN BARRICADE

TEMPORARY PEDESTRIAN SURFACE ASPHALT

PROPOSED PEDESTRIAN ROUTE THROUGH WORKZONE

PROPOSED PROJECT WORKZONE

PEDESTRIAN DIRECTION OF TRAVEL

PRESERVE TRAIL/SIDEWALK CLOSURE DETOUR ROUTE

M4-9BL 30"X24"	M4-9BR 30"X24"	R9-9A 30"X18" SIDEWALK CLOSED AHEAD + M4-9BL 30"X24"	R9-9A 30"X18" SIDEWALK CLOSED AHEAD + M4-9BR 30"X24"	R9-9 24"X12" SIDEWALK CLOSED
A	B	C	D	E

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - TEMPORARY PEDESTRIAN ACCOMMODATIONS (STAGE 2B)	SHEET 79	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\TMP_STG2B.DWG
LAYOUT NAME - 020202_TC5B
PLOT DATE : 10/10/2023 10:28 AM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

END ROAD WORK
G20-2A
48"X24"

50'

ONE WAY
R6-2R
24"X30"

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

DETAIL E, LANE CLOSURE BARRICADE DETAIL, BARRICADES AND SIGNS FOR VARIOUS CLOSURES (SDD 15C02 SHEET B)

N

500'

ROAD CLOSED 500 FT
W20-3D

LAWRENCE DRIVE

ROAD CLOSED AHEAD
W20-3A

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - STAGE 1 NORTHBOUND LANES CLOSED	SHEET 80	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\OTHR\027002-DT STAGE 1 CLOSURE_LARGE SCALE.DWG
LAYOUT NAME - BOP

PLOT DATE : 9/10/2023 8:55 AM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

ROAD WORK AHEAD
W20-1A

ROAD WORK 500 FT
W20-1D

LAWRENCE DRIVE

END ROAD WORK
G20-2A
48"X24"

ROAD WORK 250 FT
W20-1H

END ROAD WORK
G20-2A
48"X24"

ROAD WORK 500 FT
W20-1D

ROAD WORK AHEAD
W20-1A

SCHEURING ROAD

SCHEURING ROAD

ROAD WORK AHEAD
W20-1A

ROAD WORK 250 FT
W20-1H

106

106

W04-1R

W04-2L

END ROAD WORK
G20-2A
48"X24"

ROAD NARROWS
W05-1
48"X48"

WRONG WAY
R5-1A
36"X24"

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - STAGE 1 NORTHBOUND LANES CLOSED	SHEET 81	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\OTHR\027002-DT STAGE 1 CLOSURE_LARGE SCALE.DWG
LAYOUT NAME - EOP

PLOT DATE : 9/10/2023 9:09 AM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:150 FT

WISDOT/CADDS SHEET 42

2

2

END ROAD WORK
G20-2A
48"X24"

MARKING REMOVAL LINE 4-INCH

ONE WAY
R6-2L
24"X30"

10' SPACING AT DRIVEWAY (TYP)

WRONG WAY
R5-1A
36"X24"

TEMPORARY MARKING LINE PAINT 4-INCH

MARKING REMOVAL LINE 4-INCH

MARKING REMOVAL LINE 4-INCH (TYP)

25' TYP

50'

30

LAWRENCE DRIVE

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

ONE WAY
R6-2R
24"X30"

ONE WAY
R6-2R
24"X30"

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

NOTE:

1) REMOVE THE EXISTING WHITE SKIP LINES IN THE SOUTHBOUND LANES.
2) REMOVE THE BIKE LANE MARKINGS AT THE SOUTH END OF THE PROJECT

R3-2
24"X24"
ONE WAY
R6-1R
36"X12"

STOP
R1-1
30"X30"
ALL WAY
R1-3P
18"X6"

EMPLOYERS BLVD

STOP
R1-1
30"X30"
ALL WAY
R1-3P
18"X6"

ONE WAY
R6-2R
24"X30"

TEMPORARY MARKING LINE PAINT 4-INCH

WRONG WAY
R5-1A
36"X24"

25' TYP

85

LAWRENCE DRIVE

FORTUNE AVE

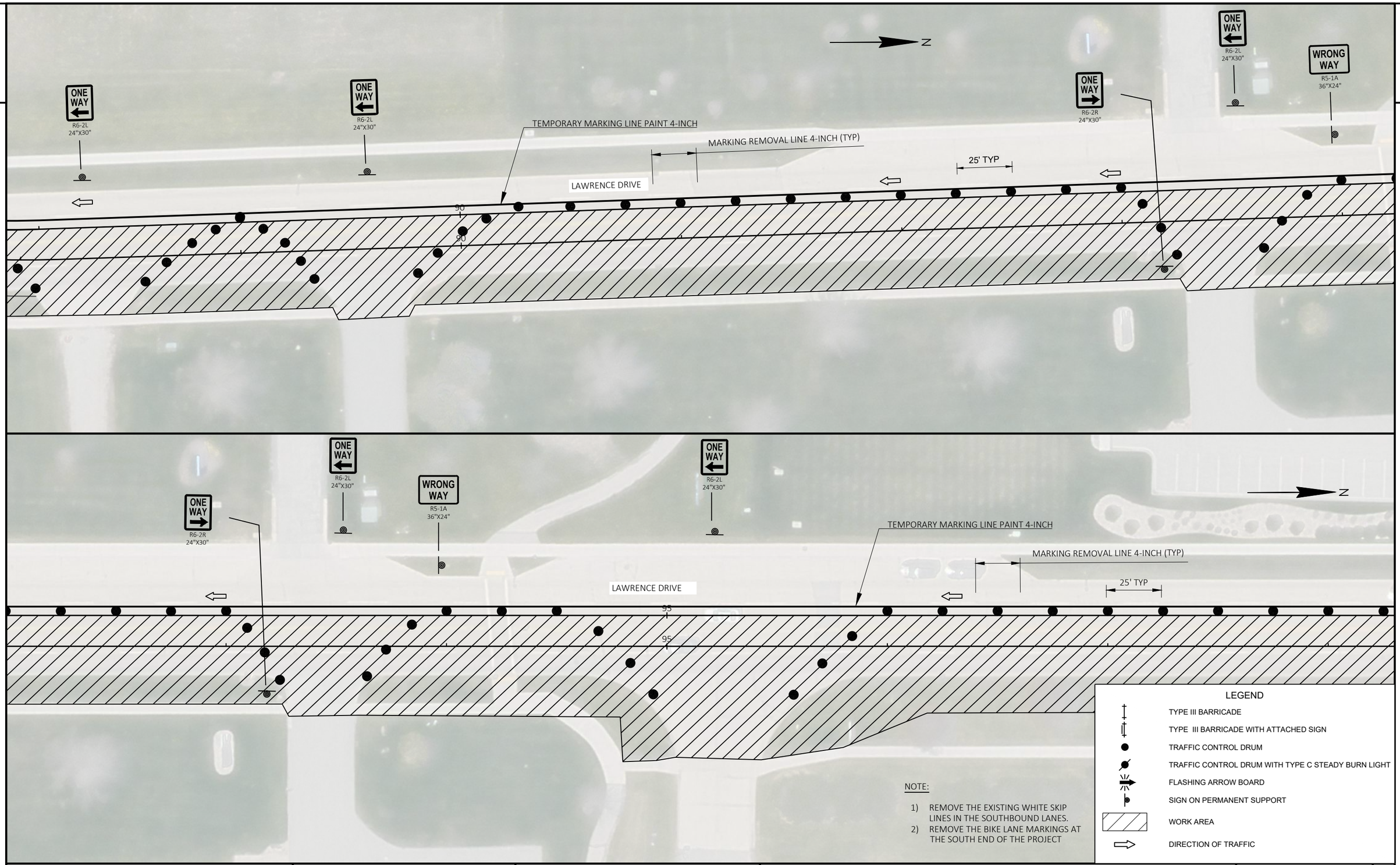
PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - STAGE 1 (NORTHBOUND LANES CLOSED)	SHEET 82	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\OTHR\027002-DT STAGE 1 CLOSURE.DWG
LAYOUT NAME - 027002_LRNC DR_DT1

PLOT DATE : 9/10/2023 10:19 AM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2



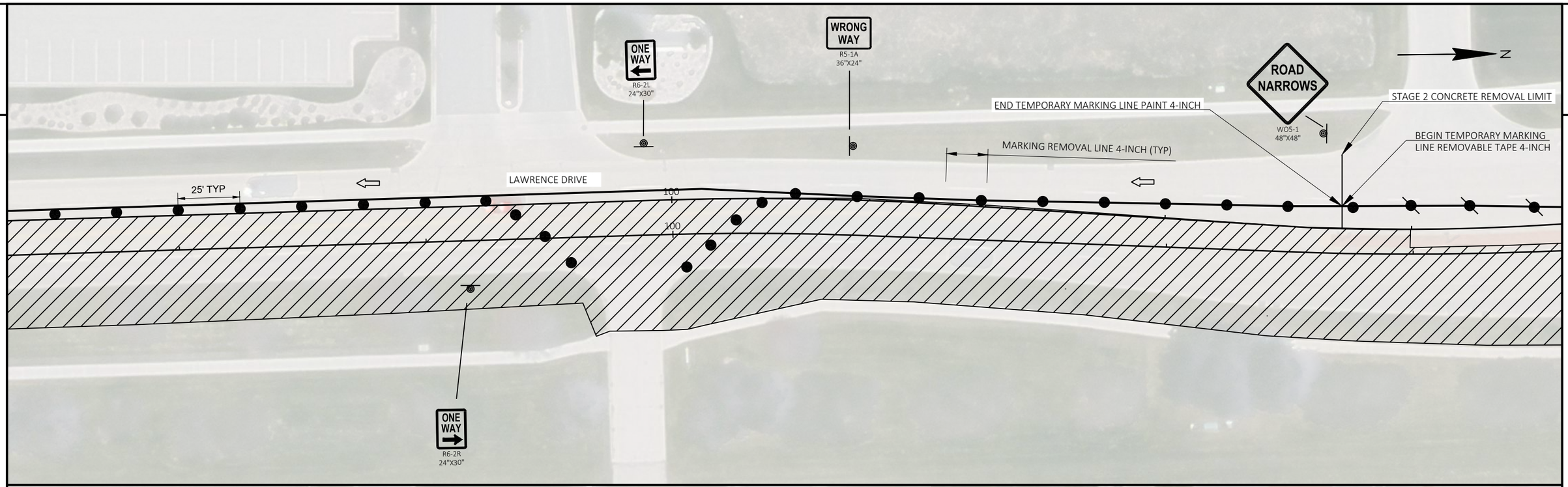
PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - STAGE 1 (NORTHBOUND LANES CLOSED)	SHEET 83	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\OTHR\027002-DT STAGE 1 CLOSURE.DWG
LAYOUT NAME - 027003_LRNC DR_DT1

PLOT DATE : 9/10/2023 9:10 AM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2



NOTE:

1) REMOVE THE EXISTING WHITE SKIP LINES IN THE SOUTHBOUND LANES.
2) REMOVE THE BIKE LANE MARKINGS AT THE SOUTH END OF THE PROJECT

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - STAGE 1 (NORTHBOUND LANES CLOSED)	SHEET 84	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\OTHR\027002-DT STAGE 1 CLOSURE.DWG
LAYOUT NAME - 027004_LRNC DR_DT1
PLOT DATE : 9/10/2023 9:11 AM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

N

LANE CLOSED
R11-2L
48"X30"

END ROAD WORK
G20-2A
48"X24"

200'

125'

200'

25' (TYP)

LANE CLOSED
R11-2L
48"X30"

STOP
R1-1
30"X30"
ALL WAY
R1-3P
18"X6"

WRONG WAY
R5-1A
36"X24"

R5-1A

LAWRENCE DRIVE

EMPLOYERS BLVD

STOP
R1-1
30"X30"
ALL WAY
R1-3P
18"X6"

W04-2L

COVER SKIPS WITH TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH

COVER THROUGH ARROWS WITH TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH

ONE WAY
R6-1R
36"X12"

R3-2
24"X24"

ROAD WORK AHEAD
W20-1A

COVER EXISTING R3-6R SIGN AND INSTALL R3-5R SIGN ON EXISTING SIGN POST

FORTUNE AVE

ONE WAY
R6-2R
24"X30"

ONLY
R3-5R
42"X48"

80'

LAWRENCE DRIVE

WRONG WAY
R5-1A
36"X24"

ONE WAY
R6-2R
24"X30"

ONE WAY
R6-2L
24"X30"

10' SPACING AT DRIVEWAY (TYP)

END ROAD WORK
G20-2A
48"X24"

50'

ONE WAY
R6-2R
24"X30"

DETAIL E, LANE CLOSURE BARRICADE DETAIL, BARRICADES AND SIGNS FOR VARIOUS CLOSURES (SDD 15C02 SHEET B)

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - STAGE 1 NORTHBOUND LANES CLOSED	SHEET 85	E

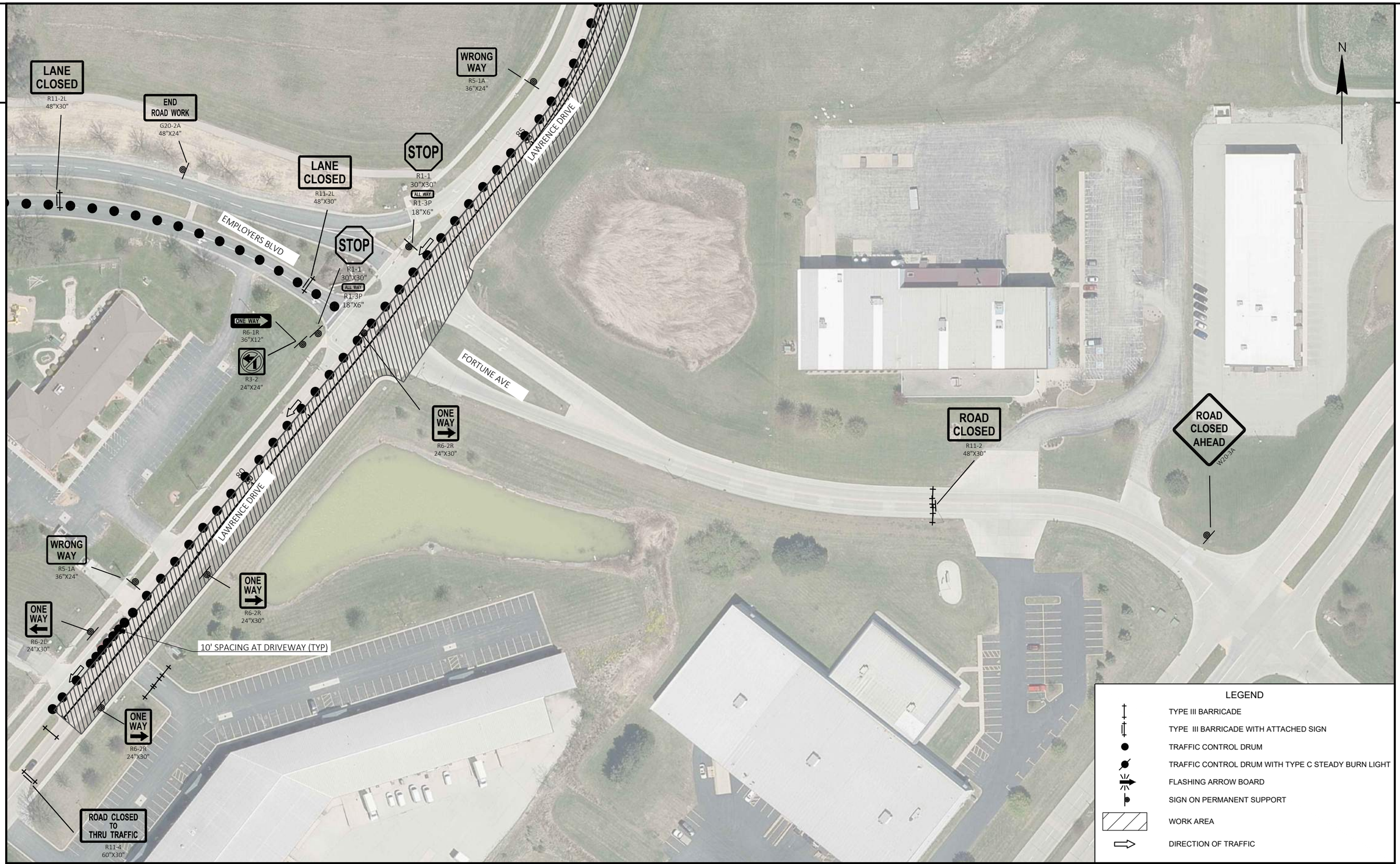
FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\OTHR\027002-DT STAGE 1 CLOSURE_LARGE SCALE.DWG
LAYOUT NAME - Employers_TC

PLOT DATE : 9/10/2023 9:13 AM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2



PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - STAGE 1 NORTHBOUND LANES CLOSED	SHEET 86	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\OTHR\027002-DT STAGE 1 CLOSURE_LARGE SCALE.DWG
LAYOUT NAME - Fortune_TC

PLOT DATE : 9/10/2023 9:14 AM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

END ROAD WORK
G20-2A
48"X24"

50'

ONE WAY
R6-2R
24"X30"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

80

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

25' TYP

LANE CLOSED
R11-2L

LAWRENCE DRIVE

WRONG WAY
R5-1A
36"X24"

ONE WAY
R6-2L
24"X30"

WRONG WAY
R5-1A
36"X24"

STOP
R1-1
30"X30"
ALL WAY
R1-3P
18"X6"

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

ONE WAY
R6-1L
36"X12"

R3-1
24"X24"

EMPLOYERS BLVD

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

10' TYP

STOP
R1-1
30"X30"
ALL WAY
R1-3P
18"X6"

10' TYP

LAWRENCE DRIVE

25' TYP

85

STOP
R1-1
30"X30"
ALL WAY
R1-3P
18"X6"

FORTUNE AVE

LANE CLOSED
R11-2L
48"X30"

STOP
R1-1
30"X30"
ALL WAY
R1-3P
18"X6"

ONE WAY
R6-1R
36"X12"

R3-2
24"X24"

WRONG WAY
R5-1A
36"X24"

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - STAGE 2 A	SHEET 87	E

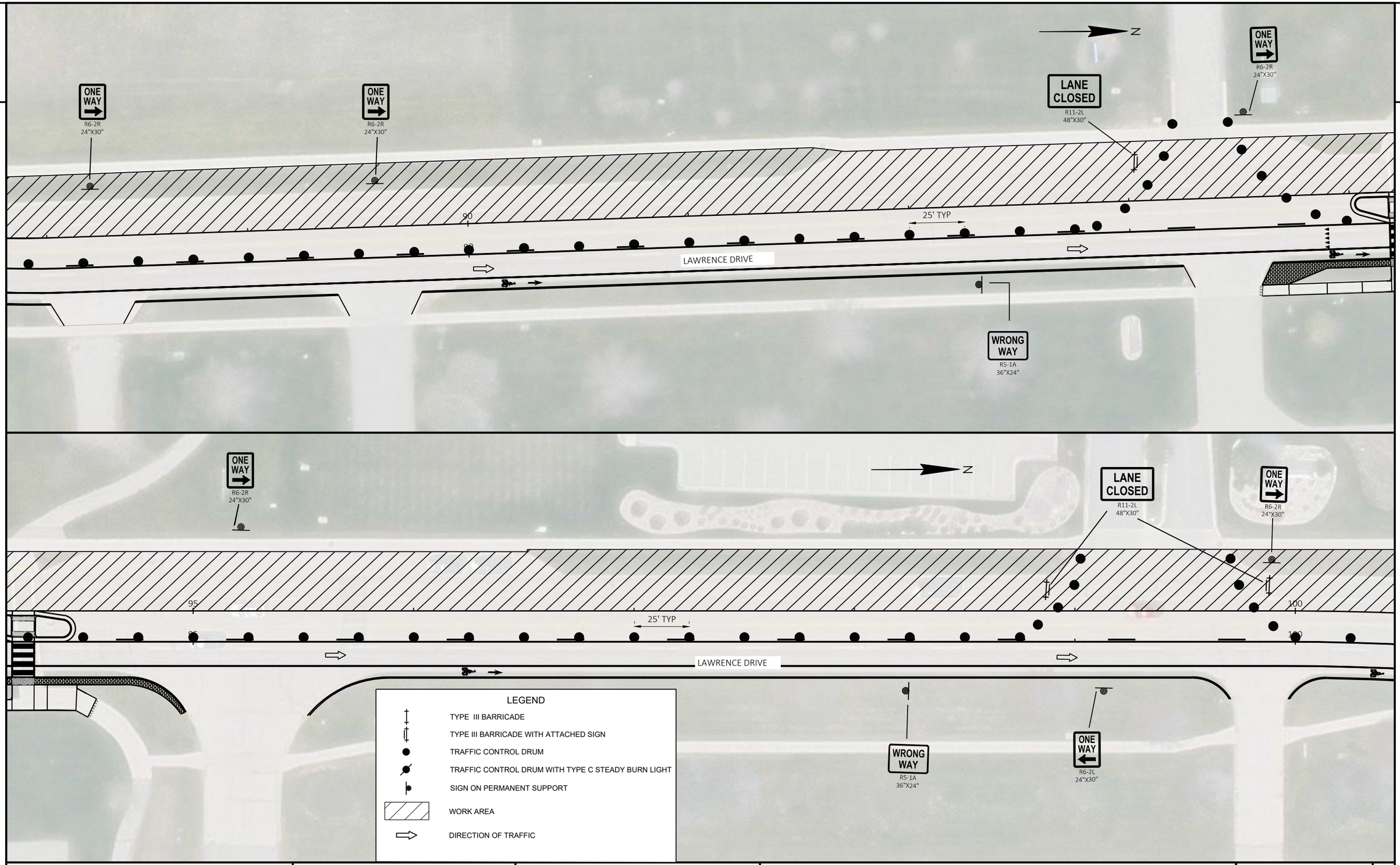
FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\OTHR\027002-DT STAGE 2 CLOSURE.DWG
LAYOUT NAME - 04

PLOT DATE : 10/10/2023 11:27 AM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

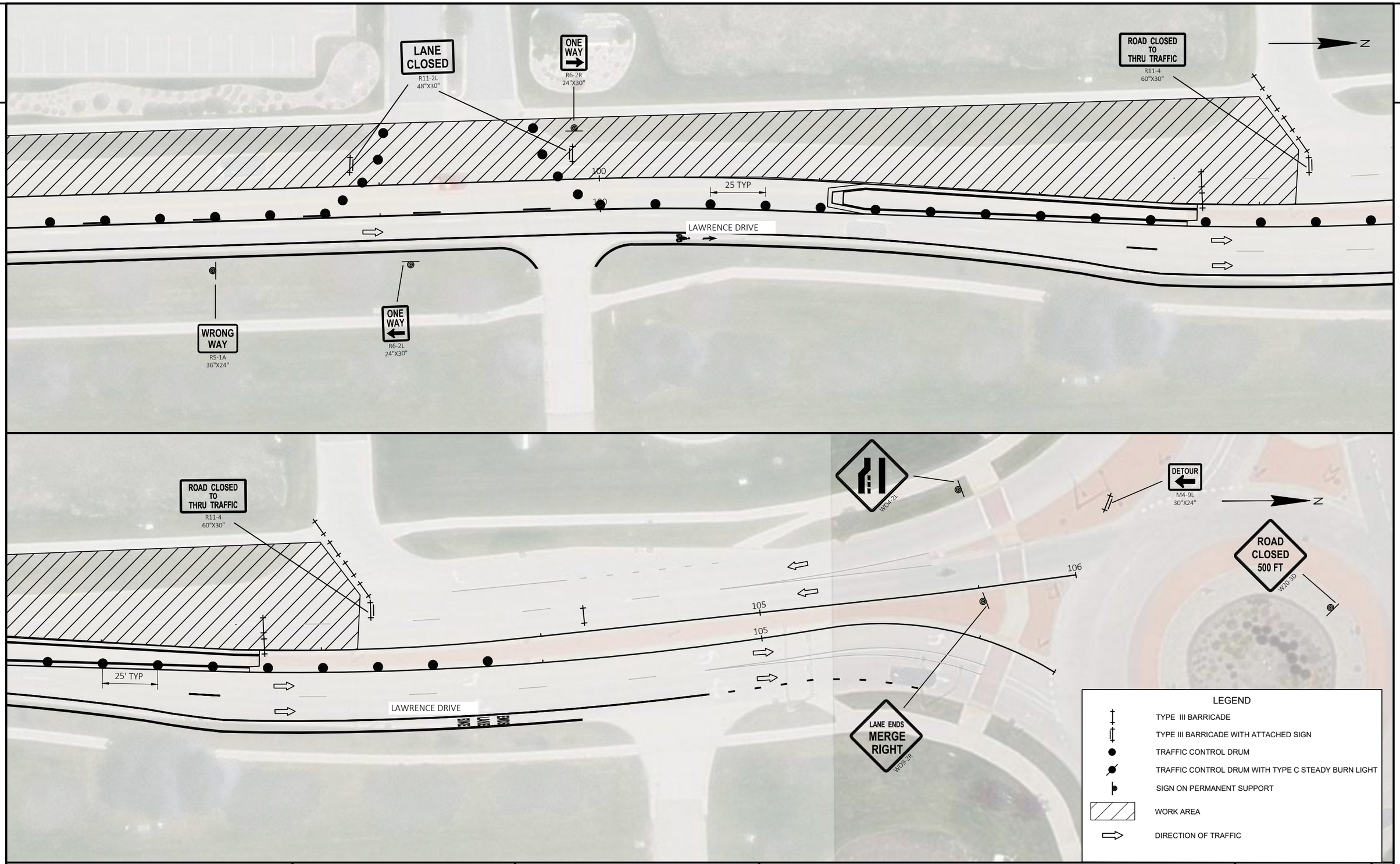


PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - STAGE 2 A	SHEET 88	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\OTHR\027002-DT STAGE 2 CLOSURE.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 2:33 PM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - STAGE 2 A	SHEET 89	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\OTHR\027002-DT STAGE 2 CLOSURE.DWG
LAYOUT NAME - 06

PLOT DATE : 9/10/2023 9:32 AM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

LANE CLOSED
R11-2L
48"X30"

END ROAD WORK
G20-2A
48"X24"

200'

200'

125'

COVER SKIPS WITH TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH

COVER LEFT TURN ARROWS WITH TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH

EMPLOYERS BLVD

W04-2R

ROAD WORK AHEAD
W20-1A

COVER THE EXISTING R3-6R SIGN AND INSTALL R3-6L SIGN ON THE EXISTING SIGN POST

R3-6L
42"X48"

LANE CLOSED
R11-2L
48"X30"

ONE WAY
R6-1L
36"X12"

R3-1
24"X24"

WRONG WAY
R5-1A
36"X24"

ONE WAY
R6-1R
36"X12"

R3-2
24"X24"

25'(TYP)

R3-6R
42"X48"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

STOP
R1-1
30"X30"

ALL WAY
R1-3P
18"X6"

LANE CLOSED
R11-2L
48"X30"

WRONG WAY
R5-1A
36"X24"

COVER LEFT TURN ARROWS WITH TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH

LAWRENCE DRIVE

ONE WAY
R6-2L
24"X30"

ONE WAY
R6-2R
24"X30"

50'

WRONG WAY
R5-1A
36"X24"

END ROAD WORK
G20-2A
48"X24"

LANE CLOSED
R11-2L
48"X30"

DETAIL E, LANE CLOSURE BARRICADE DETAIL, BARRICADES AND SIGNS FOR VARIOUS CLOSURES (SDD 15C02 SHEET B)

NOTE:
A MINIMUM LANE WIDTH OF 11 FEET SHALL BE MAINTAINED ON EMPLOYERS BLVD AT ALL TIMES.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - STAGE 2A SOUTHBOUND LANES CLOSED	SHEET 90	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\OTHR\027002-DT STAGE 2 CLOSURE_LARGE SCALE.DWG
LAYOUT NAME - Employers_TC

PLOT DATE : 10/10/2023 12:31 PM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

LANE CLOSED
R11-2L
48"X30"

END ROAD WORK
G20-2A
48"X24"

LANE CLOSED
R11-2L
48"X30"

EMPLOYERS BLVD

LAWRENCE DRIVE

WRONG WAY
R5-1A
36"X24"

ONE WAY
R6-1R
36"X12"

R3-2
24"X24"

ONE WAY
R6-1L
36"X12"

R3-1
24"X24"

R3-6R
42"X48"

25'(TYP)

BEGIN LEFT TURN LANE
R3-20L
24"X36"

STOP
R1-1
30"X30"
ALL WAY
R1-3P
18"X6"

LANE CLOSED
R11-2L
48"X30"

WRONG WAY
R5-1A
36"X24"

COVER LEFT TURN ARROWS
WITH TEMPORARY MARKING
REMOVABLE MASK OUT TAPE
10-INCH

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH

FORTUNE AVE

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

ONE WAY
R6-2L
24"X30"

ONE WAY
R6-2R
24"X30"

WRONG WAY
R5-1A
36"X24"

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - STAGE 2A SOUTHBOUND LANES CLOSED	SHEET 91	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\OTHR\027002-DT STAGE 2 CLOSURE_LARGE SCALE.DWG
LAYOUT NAME - Fortune_TC

PLOT DATE : 10/10/2023 12:31 PM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

END ROAD WORK
G20-2A
48"X24"

50'

ONE WAY
R6-2R
24"X30"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

ONE WAY
R6-1L
36"X12"

R3-1
24"X24"

N

80

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

LANE CLOSED
R11-2L
48"X30"

25' TYP

LAWRENCE DRIVE

WRONG WAY
R5-1A
36"X24"

ONE WAY
R6-2L
24"X30"

WRONG WAY
R5-1A
36"X24"

STOP
R1-1
30"X30"
ALL WAY
R1-3P
18"X6"

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

NOTE:
A MINIMUM LANE WIDTH OF 11 FEET SHALL BE MAINTAINED ON EMPLOYERS BLVD AT ALL TIMES.

ONE WAY
R6-1L
36"X12"

R3-1
24"X24"

LANE CLOSED
R11-2L
48"X30"

EMPLOYERS BLVD

LANE CLOSED
R11-2L
48"X30"

10' TYP

10' TYP

N

STOP
R1-1
30"X30"
ALL WAY
R1-3P
18"X6"

10' TYP

85

LAWRENCE DRIVE

25' TYP

STOP
R1-1
30"X30"
ALL WAY
R1-3P
18"X6"

FORTUNE AVE

LANE CLOSED
R11-2L
48"X30"

STOP
R1-1
30"X30"
ALL WAY
R1-3P
18"X6"

ONE WAY
R6-1R
36"X12"

R3-2
24"X24"

WRONG WAY
R5-1A
36"X24"

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - STAGE 2B	SHEET 92	E

2

2

N

LANE CLOSED
R11-2L
48"X30"

END ROAD WORK
G20-2A
48"X24"

125'

200'

200'

25' (TYP)

EMPLOYERS BLVD

LANE CLOSED
R11-2L
48"X30"

95'

LAWRENCE DRIVE

WRONG WAY
R5-1A
36"X24"

ONE WAY
R6-1R
36"X12"

R3-2
24"X24"

R3-6R
42"X48"

COVER SKIPS WITH TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH

COVER RIGHT TURN ARROWS WITH TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH

ONE WAY
R6-1L
36"X12"

R3-1
24"X24"

STOP
R1-1
30"X30"

ALL WAY
R1-3P
18"X6"

W04-2L

ROAD WORK AHEAD
W20-1A

COVER THE EXISTING R3-6R SIGN AND INSTALL R3-6L SIGN ON THE EXISTING SIGN POST

R3-6L
42"X48"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

30'

WRONG WAY
R5-1A
36"X24"

FORTUNE AVENUE

LANE CLOSED
R11-2L
48"X30"

LAWRENCE DRIVE

ONE WAY
R6-2L
24"X30"

ONE WAY
R6-2R
24"X30"

50'

WRONG WAY
R5-1A
36"X24"

DETAIL E, LANE CLOSURE BARRICADE DETAIL, BARRICADES AND SIGNS FOR VARIOUS CLOSURES (SDD 15C02 SHEET B)

END ROAD WORK
G20-2A
48"X24"

LANE CLOSED
R11-2L
48"X30"

NOTE:
A MINIMUM LANE WIDTH OF 11 FEET SHALL BE MAINTAINED ON EMPLOYERS BLVD AT ALL TIMES.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - STAGE 2B SOUTHBOUND LANES CLOSED	SHEET 93	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\OTHR\027002-DT STAGE 2B CLOSURE_LARGE SCALE.DWG
LAYOUT NAME - Employers_TC

PLOT DATE : 10/10/2023 12:18 PM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

LANE CLOSED
R11-2L
48"X30"

END ROAD WORK
G20-2A
48"X24"

25' (TYP)

EMPLOYERS BLVD

LANE CLOSED
R11-2L
48"X30"

LAWRENCE DRIVE

WRONG WAY
R5-1A
36"X24"

ONE WAY
R6-1R
36"X12"

R3-2
24"X24"

ONE WAY
R6-1L
36"X12"

R3-1
24"X24"

STOP
R1-1
30"X30"

ALL WAY
R1-3P
18"X6"

R3-6R
42"X48"

25'(TYP)

FORTUNE AVE

ROAD WORK AHEAD
W20-1A

BEGIN LEFT TURN LANE
R3-20L
24"X36"

WRONG WAY
R5-1A
36"X24"

LANE CLOSED
R11-2L
48"X30"

COVER LEFT TURN ARROWS
WITH TEMPORARY MARKING
REMOVABLE MASK OUT TAPE
10-INCH

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH

END ROAD WORK
G20-2A
48"X24"

LAWRENCE DRIVE

ONE WAY
R6-2L
24"X30"

ONE WAY
R6-2R
24"X30"

WRONG WAY
R5-1A
36"X24"

NOTE:
A MINIMUM LANE WIDTH OF 11 FEET SHALL BE MAINTAINED ON EMPLOYERS BLVD AT ALL TIMES.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	TRAFFIC CONTROL - STAGE 2B SOUTHBOUND LANES CLOSED	SHEET 94	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\OTHR\027002-DT STAGE 2B CLOSURE_LARGE SCALE.DWG
LAYOUT NAME - Fortune_TC

PLOT DATE : 10/10/2023 12:05 PM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

N

SCHEURING ROAD

SCHEURING ROAD

LAWRENCE DRIVE

LAWRENCE DRIVE

LAWRENCE DRIVE

LAWRENCE DRIVE

W MATTHEW DR

PRESERVE TRAIL

PRESERVE TRAIL

EMPLOYERS BLVD

FORTUNE AVENUE

FORTUNE AVENUE

AMERICAN BLVD

VENTURE AVENUE

INNOVATION CT

HONEYSUCKLE CIR

WILD ROSE DR

AMERICAN BLVD

SOUTHBRIDGE ROAD

SOUTHBRIDGE ROAD

RED MAPLE ROAD

PAYTON CT

BRIDGE PORT LN

LEMON LN

001 — NORTH LAWRENCE DR; DETOUR AHEAD W20-2A

002 — DETOUR NORTH LAWRENCE DR

003

004 — ROAD CLOSED TO THRU TRAFFIC 0.7 MILES AHEAD R11-3 60"X30"

005 — DETOUR AHEAD W20-2A

006 — DETOUR M4-59R 30"X30"

007 — DETOUR M4-9R 30"X24"

008 — DETOUR M4-9R 30"X24"

009 — DETOUR NORTH LAWRENCE DR

010 — DETOUR M4-59L 30"X30"

011 — DETOUR M4-9L 30"X24"

012 — NORTH LAWRENCE DR; DETOUR AHEAD W20-2A

013 — DETOUR NORTH LAWRENCE DR

014 — DETOUR NORTH LAWRENCE DR

015 — LAWRENCE DR; DETOUR AHEAD W20-2A

016 — NORTH LAWRENCE DR; DETOUR M4-59R 30"X30"

017 — NORTH LAWRENCE DR; DETOUR M4-9R 30"X24"

018 — DETOUR NORTH LAWRENCE DR

019 — DETOUR M4-59L 30"X30"

020 — DETOUR M4-9L 30"X24"

021 — DETOUR NORTH LAWRENCE DR

022 — M4-8A END DETOUR NORTH LAWRENCE DR

050 — TRAIL DETOUR AT LAWRENCE DR FOR ROAD WORK 30"X15"

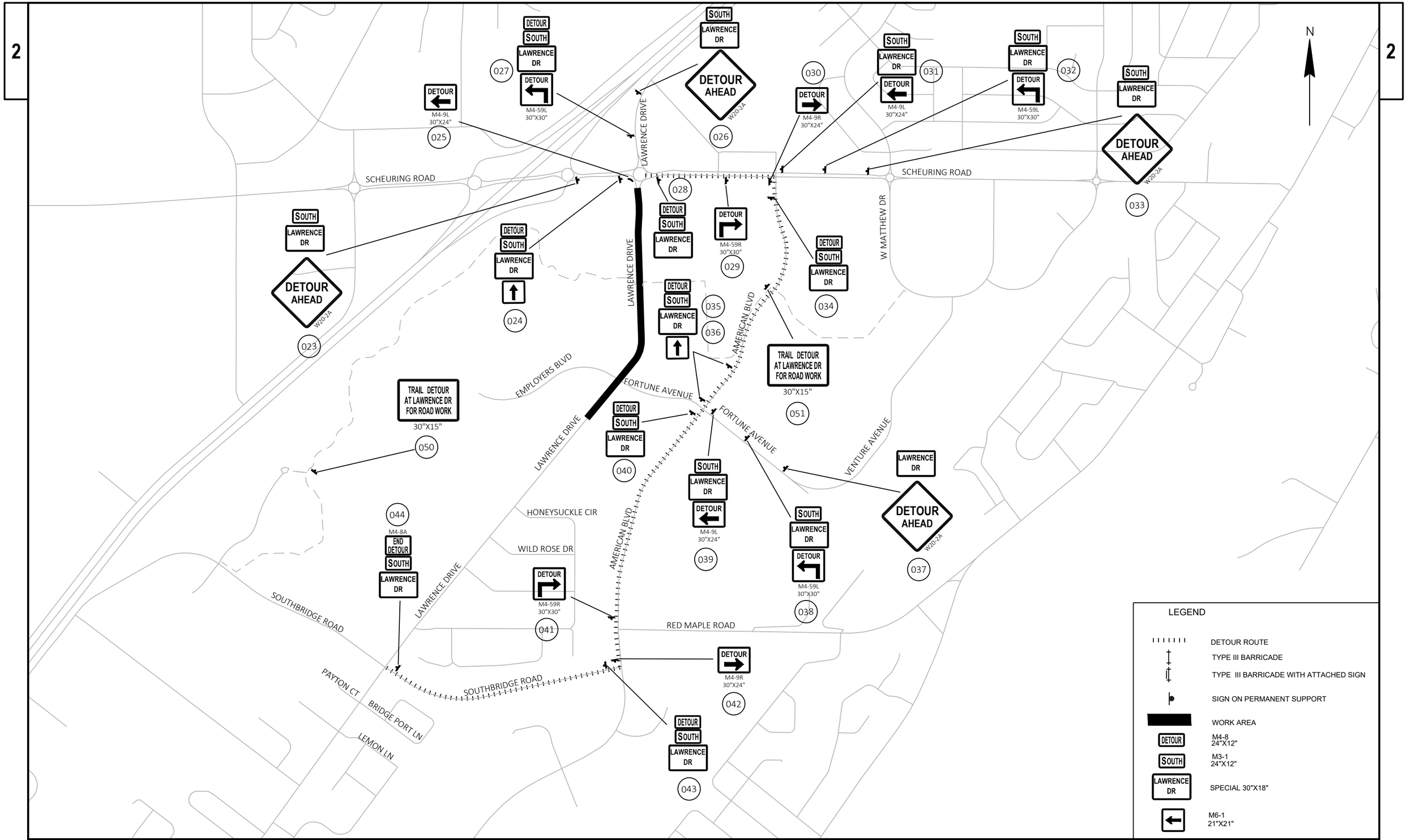
051 — TRAIL DETOUR AT LAWRENCE DR FOR ROAD WORK 30"X15"

LEGEND

- DETOUR ROUTE
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR — M4-8 24"X12"
- SOUTH — M3-1 24"X12"
- LAWRENCE DR — SPECIAL 30"X18"
- M6-1 21"X21"

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	DETOUR PLAN FOR STAGE 1 NORTHBOUND LANES CLOSED	SHEET 95	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\OTHR\027002-DT_DETOUR_LARGE SCALE_REDO.DWG
LAYOUT NAME - DT_STAGE 1
PLOT DATE : 9/14/2023 10:52 AM PLOT BY : DOUGLAS HOBYAN PLOT NAME : PLOT SCALE : 1 IN:1000 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	DETOUR PLAN FOR STAGE 2 SOUTHBOUND LANES CLOSED	SHEET 96	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\OTHR\027002-DT_DETOUR_LARGE SCALE_REDO.DWG
LAYOUT NAME - DT_STAGE 2

PLOT DATE : 9/14/2023 10:46 AM PLOT BY : DOUGLAS HOBYAN PLOT NAME : PLOT SCALE : 1 IN:1000 FT

WISDOT/CADDS SHEET 42

CURVE 1

PI STA = 86+71.06
Y = 534606.211
X = 75836.108
DELTA = 41°15'47" LT
D = 13°28'53"
T = 160.01'
L = 306.07'
R = 425.00'
PC STA = 85+11.05
Y = 534482.807
X = 75734.247
PT STA = 88+17.12
Y = 534766.152
X = 75831.289
DB = N39°32'14"E
DA = N01°43'33"W

CURVE 2

PI STA = 100+34.80
Y = 535983.274
X = 75794.618
DELTA = 3°59'49" RT
D = 4°48'39"
T = 41.56'
L = 83.09'
R = 1191.00'
PC STA = 99+93.24
Y = 535941.733
X = 75795.870
PT STA = 100+76.33
Y = 536024.801
X = 75796.265
DB = N01°43'33"W
DA = N02°16'17"E

CURVE 3

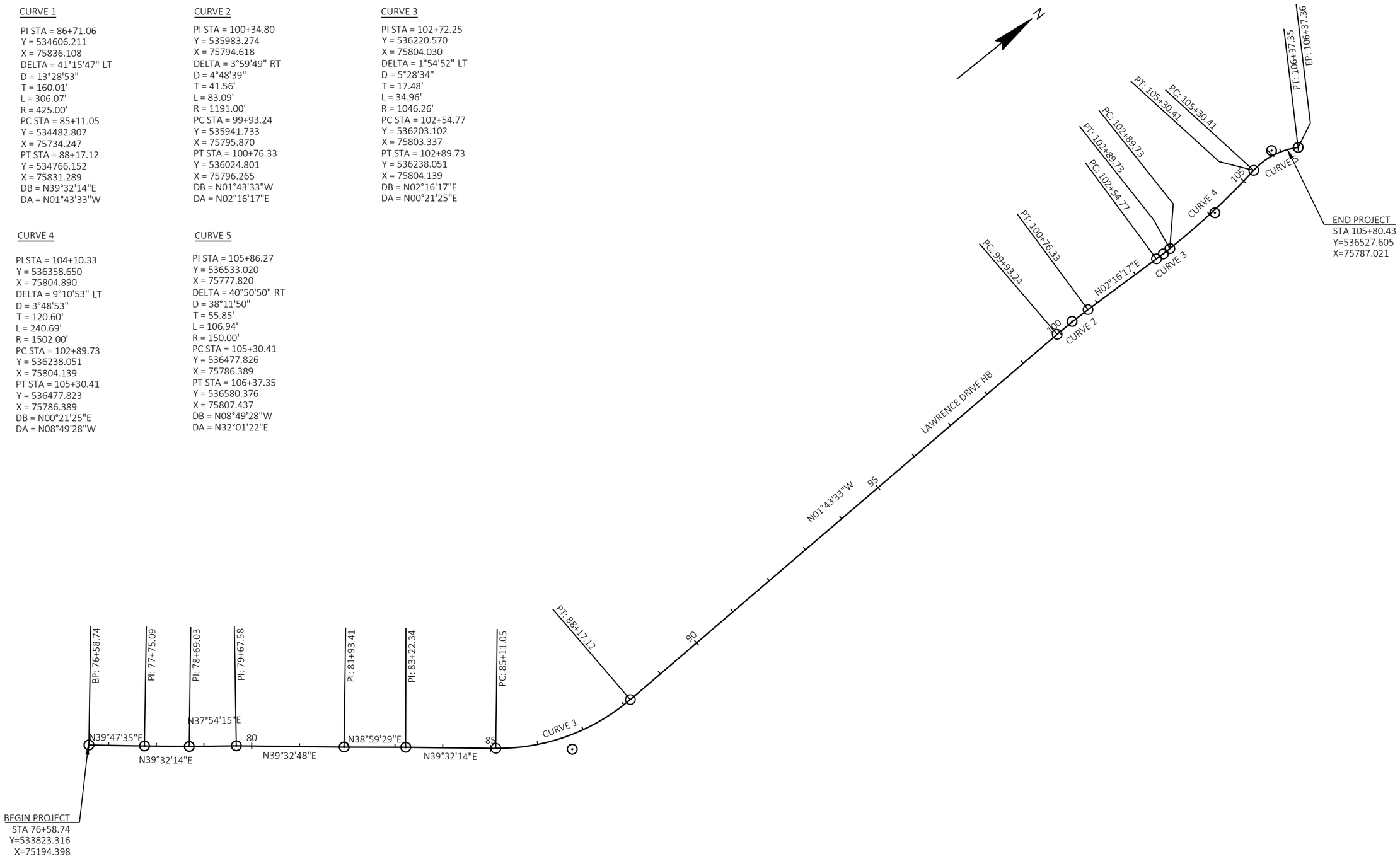
PI STA = 102+72.25
Y = 536220.570
X = 75804.030
DELTA = 1°54'52" LT
D = 5°28'34"
T = 17.48'
L = 34.96'
R = 1046.26'
PC STA = 102+54.77
Y = 536203.102
X = 75803.337
PT STA = 102+89.73
Y = 536238.051
X = 75804.139
DB = N02°16'17"E
DA = N00°21'25"E

CURVE 4

PI STA = 104+10.33
Y = 536358.650
X = 75804.890
DELTA = 9°10'53" LT
D = 3°48'53"
T = 120.60'
L = 240.69'
R = 1502.00'
PC STA = 102+89.73
Y = 536238.051
X = 75804.139
PT STA = 105+30.41
Y = 536477.823
X = 75786.389
DB = N00°21'25"E
DA = N08°49'28"W

CURVE 5

PI STA = 105+86.27
Y = 536533.020
X = 75777.820
DELTA = 40°50'50" RT
D = 38°11'50"
T = 55.85'
L = 106.94'
R = 150.00'
PC STA = 105+30.41
Y = 536477.826
X = 75786.389
PT STA = 106+37.35
Y = 536580.376
X = 75807.437
DB = N08°49'28"W
DA = N32°01'22"E



PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	ALIGNMENT PLAN: NORTHBOUND	SHEET 97	E

CURVE 1

PI STA = 86+62.22
Y = 534606.511
X = 75822.093
DELTA = 41°15'47" LT
D = 14°15'10"
T = 151.35'
L = 289.51'
R = 402.00'
PC STA = 85+10.86
Y = 534489.785
X = 75725.744
PT STA = 88+00.37
Y = 534757.797
X = 75817.535
DB = N39°32'14"E
DA = N01°43'33"W

CURVE 2

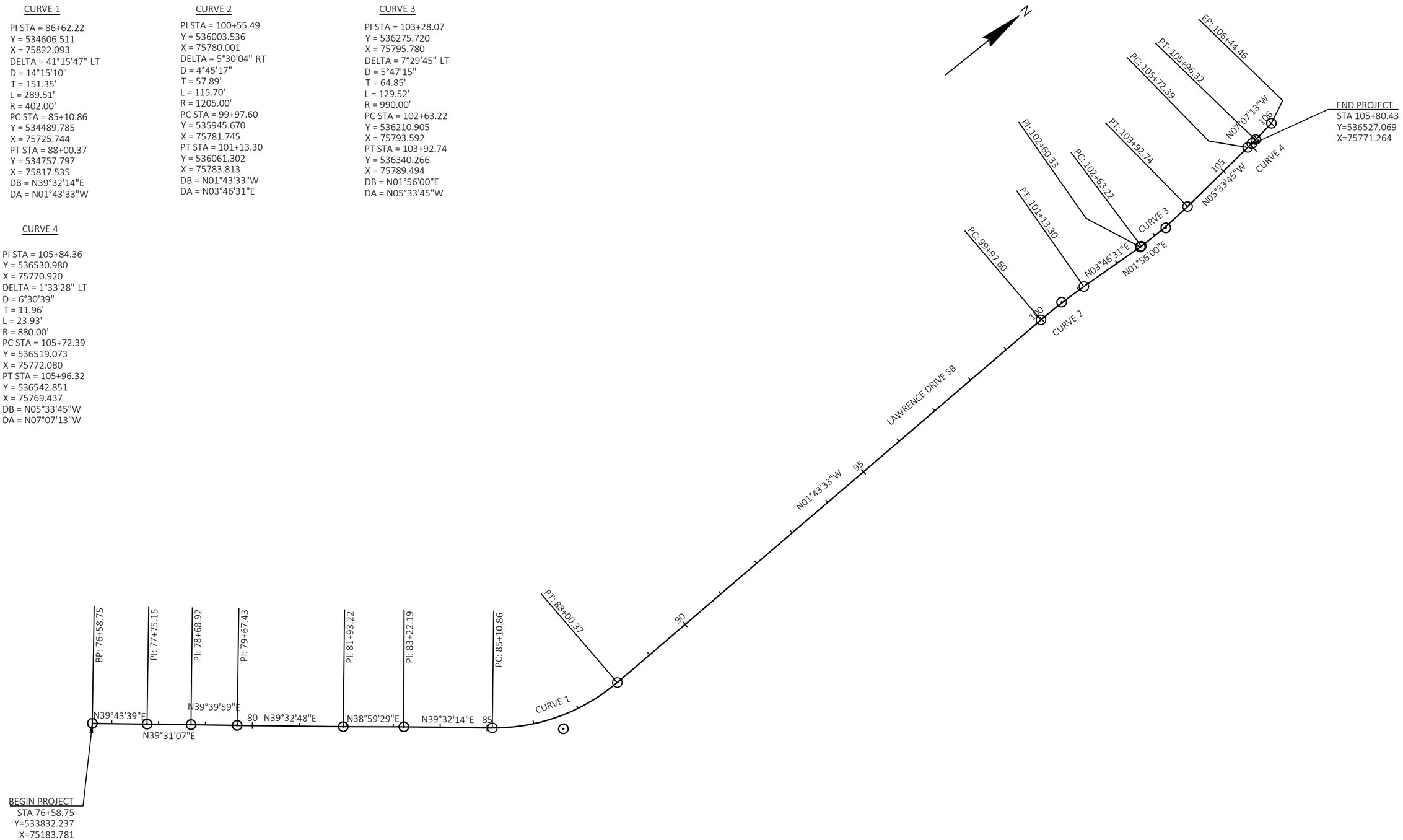
PI STA = 100+55.49
Y = 536003.536
X = 75780.001
DELTA = 5°30'04" RT
D = 4°45'17"
T = 57.89'
L = 115.70'
R = 1205.00'
PC STA = 99+97.60
Y = 535945.670
X = 75781.745
PT STA = 101+13.30
Y = 536061.302
X = 75783.813
DB = N01°43'33"W
DA = N03°46'31"E

CURVE 3

PI STA = 103+28.07
Y = 536275.720
X = 75795.780
DELTA = 7°29'45" LT
D = 5°47'15"
T = 64.85'
L = 129.52'
R = 990.00'
PC STA = 102+63.22
Y = 536210.905
X = 75793.592
PT STA = 103+92.74
Y = 536340.266
X = 75789.494
DB = N01°56'00"E
DA = N05°33'45"W

CURVE 4

PI STA = 105+84.36
Y = 536530.980
X = 75770.920
DELTA = 1°33'28" LT
D = 6°30'39"
T = 11.96'
L = 23.93'
R = 880.00'
PC STA = 105+72.39
Y = 536519.073
X = 75772.080
PT STA = 105+96.32
Y = 536542.851
X = 75769.437
DB = N05°33'45"W
DA = N07°07'13"W



PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	ALIGNMENT PLAN: SOUTHBOUND	SHEET 98	E

Estimate Of Quantities

4985-00-62

Line	Item	Item Description	Unit	Total	Qty
0002	204.0100	Removing Concrete Pavement	SY	15,650.000	15,650.000
0004	204.0115	Removing Asphaltic Surface Butt Joints	SY	21.000	21.000
0006	204.0120	Removing Asphaltic Surface Milling	SY	75.000	75.000
0008	204.0155	Removing Concrete Sidewalk	SY	450.000	450.000
0010	204.0195	Removing Concrete Bases	EACH	17.000	17.000
0012	204.0220	Removing Inlets	EACH	10.000	10.000
0014	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	210.000	210.000
0016	204.0245	Removing Storm Sewer (size) 02. 15-Inch	LF	42.000	42.000
0018	204.0260	Abandoning Inlets	EACH	1.000	1.000
0020	204.0280	Sealing Pipes	EACH	4.000	4.000
0022	204.0291.S	Abandoning Sewer	CY	2.000	2.000
0024	204.9060.S	Removing (item description) 01. Street Light Poles	EACH	17.000	17.000
0026	205.0100	Excavation Common	CY	11,635.000	11,635.000
0028	208.1100	Select Borrow	CY	720.000	720.000
0030	213.0100	Finishing Roadway (project) 01. 4985-00-62	EACH	1.000	1.000
0032	305.0110	Base Aggregate Dense 3/4-Inch	TON	207.000	207.000
0034	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	11,239.000	11,239.000
0036	310.0110	Base Aggregate Open-Graded	TON	14.000	14.000
0038	311.0110	Breaker Run	TON	36.000	36.000
0040	405.0100	Coloring Concrete WisDOT Red	CY	24.000	24.000
0042	405.1000	Stamping Colored Concrete	CY	20.000	20.000
0044	415.0090	Concrete Pavement 9-Inch	SY	14,757.000	14,757.000
0046	415.0210	Concrete Pavement Gaps	EACH	6.000	6.000
0048	415.2010	Concrete Truck Apron 12-inch	SY	60.000	60.000
0050	415.4100	Concrete Pavement Joint Filling	SY	16,542.000	16,542.000
0052	416.0610	Drilled Tie Bars	EACH	91.000	91.000
0054	416.0620	Drilled Dowel Bars	EACH	196.000	196.000
0056	455.0605	Tack Coat	GAL	7.000	7.000
0058	465.0105	Asphaltic Surface	TON	18.000	18.000
0060	465.0125	Asphaltic Surface Temporary	TON	12.000	12.000
0062	520.8000	Concrete Collars for Pipe	EACH	11.000	11.000
0064	601.0150	Concrete Curb Integral Type D	LF	5,857.000	5,857.000
0066	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	340.000	340.000
0068	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	87.000	87.000
0070	601.0600	Concrete Curb Pedestrian	LF	303.000	303.000
0072	602.0405	Concrete Sidewalk 4-Inch	SF	5,485.000	5,485.000
0074	602.0410	Concrete Sidewalk 5-Inch	SF	1,246.000	1,246.000
0076	602.0415	Concrete Sidewalk 6-Inch	SF	1,292.000	1,292.000
0078	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	230.000	230.000
0080	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	36.000	36.000
0082	602.0810	Concrete Driveway 6-Inch	SY	74.000	74.000
0084	602.0820	Concrete Driveway 8-Inch	SY	520.000	520.000
0086	602.0870	Concrete Driveway HES 8-Inch	SY	119.000	119.000
0088	608.0212	Storm Sewer Pipe Reinforced Concrete Class II 12-Inch	LF	6.000	6.000
0090	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	140.000	140.000
0092	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	780.000	780.000
0094	611.0624	Inlet Covers Type H	EACH	17.000	17.000
0096	611.0639	Inlet Covers Type H-S	EACH	7.000	7.000
0098	611.2005	Manholes 5-FT Diameter	EACH	1.000	1.000
0100	611.3230	Inlets 2x3-FT	EACH	19.000	19.000

4985-00-62

Line	Item	Item Description	Unit	Total	Qty
0102	611.8110	Adjusting Manhole Covers	EACH	5.000	5.000
0104	611.8115	Adjusting Inlet Covers	EACH	1.000	1.000
0106	612.0106	Pipe Underdrain 6-Inch	LF	140.000	140.000
0108	618.0100	Maintenance and Repair of Haul Roads (project) 01. 4985-00-62	EACH	1.000	1.000
0110	619.1000	Mobilization	EACH	1.000	1.000
0112	620.0300	Concrete Median Sloped Nose	SF	93.000	93.000
0114	624.0100	Water	MGAL	160.000	160.000
0116	625.0100	Topsoil	SY	6,171.000	6,171.000
0118	628.1905	Mobilizations Erosion Control	EACH	8.000	8.000
0120	628.1910	Mobilizations Emergency Erosion Control	EACH	5.000	5.000
0122	628.2006	Erosion Mat Urban Class I Type A	SY	6,171.000	6,171.000
0124	628.7005	Inlet Protection Type A	EACH	26.000	26.000
0126	628.7010	Inlet Protection Type B	EACH	3.000	3.000
0128	628.7015	Inlet Protection Type C	EACH	34.000	34.000
0130	628.7020	Inlet Protection Type D	EACH	17.000	17.000
0132	628.7560	Tracking Pads	EACH	7.000	7.000
0134	629.0210	Fertilizer Type B	CWT	4.000	4.000
0136	630.0140	Seeding Mixture No. 40	LB	112.000	112.000
0138	630.0500	Seed Water	MGAL	140.000	140.000
0140	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	13.000	13.000
0142	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	31.000	31.000
0144	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	2.000	2.000
0146	634.0808	Posts Tubular Steel 2x2-Inch X 8-FT	EACH	2.000	2.000
0148	637.2210	Signs Type II Reflective H	SF	251.813	251.813
0150	637.2230	Signs Type II Reflective F	SF	116.083	116.083
0152	638.2102	Moving Signs Type II	EACH	1.000	1.000
0154	638.2602	Removing Signs Type II	EACH	24.000	24.000
0156	642.5201	Field Office Type C	EACH	1.000	1.000
0158	643.0300	Traffic Control Drums	DAY	27,130.000	27,130.000
0160	643.0420	Traffic Control Barricades Type III	DAY	2,796.000	2,796.000
0162	643.0705	Traffic Control Warning Lights Type A	DAY	3,276.000	3,276.000
0164	643.0715	Traffic Control Warning Lights Type C	DAY	420.000	420.000
0166	643.0800	Traffic Control Arrow Boards	DAY	70.000	70.000
0168	643.0900	Traffic Control Signs	DAY	20,705.000	20,705.000
0170	643.1050	Traffic Control Signs PCMS	DAY	28.000	28.000
0172	643.3105	Temporary Marking Line Paint 4-Inch	LF	2,603.000	2,603.000
0174	643.3150	Temporary Marking Line Removable Tape 4-Inch	LF	780.000	780.000
0176	643.3960	Temporary Marking Removable Mask Out Tape 6-Inch	LF	125.000	125.000
0178	643.3970	Temporary Marking Removable Mask Out Tape 10-Inch	LF	430.000	430.000
0180	643.5000	Traffic Control	EACH	1.000	1.000
0182	644.1410	Temporary Pedestrian Surface Asphalt	SF	1,082.000	1,082.000
0184	644.1601	Temporary Pedestrian Curb Ramp	DAY	1,031.000	1,031.000
0186	644.1810	Temporary Pedestrian Barricade	LF	5,258.000	5,258.000
0188	645.0111	Geotextile Type DF Schedule A	SY	56.000	56.000
0190	646.1020	Marking Line Epoxy 4-Inch	LF	10,624.000	10,624.000
0192	646.3020	Marking Line Epoxy 8-Inch	LF	753.000	753.000
0194	646.5020	Marking Arrow Epoxy	EACH	30.000	30.000
0196	646.5120	Marking Word Epoxy	EACH	5.000	5.000
0198	646.5220	Marking Symbol Epoxy	EACH	16.000	16.000
0200	646.6020	Marking Stop Line Epoxy 12-Inch	LF	145.000	145.000

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Line	Item	Item Description	Unit	Total	Qty
0202	646.6220	Marking Yield Line Epoxy 18-Inch	EACH	10.000	10.000
0204	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	596.000	596.000
0206	646.7520	Marking Crosswalk Epoxy Block Style 24-Inch	LF	80.000	80.000
0208	646.8120	Marking Curb Epoxy	LF	72.000	72.000
0210	646.8220	Marking Island Nose Epoxy	EACH	1.000	1.000
0212	646.9000	Marking Removal Line 4-Inch	LF	936.000	936.000
0214	650.4000	Construction Staking Storm Sewer	EACH	20.000	20.000
0216	650.4500	Construction Staking Subgrade	LF	5,211.000	5,211.000
0218	650.7000	Construction Staking Concrete Pavement	LF	5,211.000	5,211.000
0220	650.8501	Construction Staking Electrical Installations (project) 01. 4985-00-62	EACH	1.000	1.000
0222	650.9000	Construction Staking Curb Ramps	EACH	19.000	19.000
0224	650.9500	Construction Staking Sidewalk (project) 01. 4985-00-62	EACH	1.000	1.000
0226	650.9911	Construction Staking Supplemental Control (project) 01. 4985-00-62	EACH	1.000	1.000
0228	650.9920	Construction Staking Slope Stakes	LF	5,211.000	5,211.000
0230	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	4,385.000	4,385.000
0232	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	1,030.000	1,030.000
0234	652.0335	Conduit Rigid Nonmetallic Schedule 80 3-Inch	LF	335.000	335.000
0236	652.0700.S	Install Conduit into Existing Item	EACH	10.000	10.000
0238	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	7.000	7.000
0240	653.0905	Removing Pull Boxes	EACH	2.000	2.000
0242	654.0101	Concrete Bases Type 1	EACH	3.000	3.000
0244	654.0105	Concrete Bases Type 5	EACH	17.000	17.000
0246	654.0224	Concrete Control Cabinet Bases Type L24	EACH	1.000	1.000
0248	655.0610	Electrical Wire Lighting 12 AWG	LF	2,091.000	2,091.000
0250	655.0620	Electrical Wire Lighting 8 AWG	LF	11.000	11.000
0252	655.0625	Electrical Wire Lighting 6 AWG	LF	10,703.000	10,703.000
0254	655.0630	Electrical Wire Lighting 4 AWG	LF	5,187.000	5,187.000
0256	655.0635	Electrical Wire Lighting 2 AWG	LF	33.000	33.000
0258	657.0100	Pedestal Bases	EACH	3.000	3.000
0260	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	17.000	17.000
0262	657.0322	Poles Type 5-Aluminum	EACH	17.000	17.000
0264	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	3.000	3.000
0266	657.0615	Luminaire Arms Single Member 4 1/2-Inch Clamp 8-FT	EACH	17.000	17.000
0268	658.0500	Pedestrian Push Buttons	EACH	3.000	3.000
0270	659.1130	Luminaires Utility LED D	EACH	17.000	17.000
0272	659.2124	Lighting Control Cabinets 120/240 24-Inch	EACH	1.000	1.000
0274	659.5000.S	Lamp, Ballast, LED, Switch Disposal by Contractor	EACH	17.000	17.000
0276	690.0150	Sawing Asphalt	LF	79.000	79.000
0278	690.0250	Sawing Concrete	LF	3,496.000	3,496.000
0280	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	4,428.000	4,428.000
0282	740.0440	Incentive IRI Ride	DOL	1,980.000	1,980.000
0284	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,000.000	2,000.000
0286	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	1,320.000	1,320.000
0288	SPV.0060	Special 01. Adjusting Manhole Covers With Rubber Rings	EACH	1.000	1.000
0290	SPV.0060	Special 02. Adjusting Sanitary Manhole Covers	EACH	7.000	7.000
0292	SPV.0060	Special 03. Adjusting Water Service Curb Stops	EACH	3.000	3.000
0294	SPV.0060	Special 04. Adjusting Water Valve Boxes	EACH	2.000	2.000
0296	SPV.0060	Special 05. Inlet Cover Type Special	EACH	1.000	1.000
0298	SPV.0060	Special 06. Rectangular Rapid Flashing Beacon (RRFB) System (STA 94+17, 24' Right)	EACH	1.000	1.000
0300	SPV.0060	Special 07. Rectangular Rapid Flashing Beacon (RRFB) System (STA 94+29, 7' Left)	EACH	1.000	1.000

Estimate Of Quantities

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Line	Item	Item Description	Unit	Total	Qty
0302	SPV.0060	Special 08. Rectangular Rapid Flashing Beacon (RRFB) System (STA 94+29, 40' Left)	EACH	1.000	1.000
0304	SPV.0060	Special 09. De-energize and Stage Traffic Signals	EACH	1.000	1.000
0306	SPV.0060	Special 10. Remove and Temporary Relocate Mailbox	EACH	6.000	6.000
0308	SPV.0075	Special 01. Street Sweeping	HRS	40.000	40.000
0310	SPV.0090	Special 01. Televising Storm Sewer	LF	3,726.000	3,726.000
0312	SPV.0090	Special 02. Concrete Curb Integral Type TBT	LF	139.000	139.000
0314	SPV.0165	Special 01. Concrete Sidewalk 8-Inch	SF	59.000	59.000

REMOVING PAVEMENT

STATION	TO	STATION	LOCATION	204.0100 REMOVING CONCRETE PAVEMENT SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	REMARKS
76+58.74	-	104+15.65	LAWRENCE DR	9,200			STAGE 1 INCLUDES REMOVALS FOR BIKE LANE WIDENING
76+58.74	-	102+70.67	LAWRENCE DR	6,270			STAGE 2
81+87	-	83+50	LAWRENCE DR		21	75	EMPLOYERS BLVD
102+71	-	103+62	LAWRENCE DR, LT	180			DRIVEWAY TO 1700, 1702, 1710 LAWRENCE DR
			TOTAL 0010	15,650	21	75	

SAWING PAVEMENT

STATION	TO	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
76+58.74	-	102+70.67	LAWRENCE DR		2,605	ALONG SOUTHBOUND RL
76+58.74	-	76+58.74	LAWRENCE DR		49	BEGINNING OF PROJECT
76+79	-	77+02	LAWRENCE DR, LT		23	DRIVEWAY
77+40	-	77+70	LAWRENCE DR, RT		31	DRIVEWAY
77+99	-	78+19	LAWRENCE DR, LT		20	DRIVEWAY
78+70	-	78+98	LAWRENCE DR, LT		29	DRIVEWAY
81+94	-	82+30	LAWRENCE DR, LT	37		EMPLOYERS BLVD
82+11	-	82+48	LAWRENCE DR, RT		38	FORTUNE AVE
82+76	-	83+02	LAWRENCE DR, LT	26		EMPLOYERS BLVD
82+80	-	83+19	LAWRENCE DR, RT		40	FORTUNE AVE
83+38	-	83+46	LAWRENCE DR, LT	16		EMPLOYERS BLVD, RIGHT TURN LANE
88+12	-	88+45	LAWRENCE DR, RT		34	DRIVEWAY
89+43	-	89+75	LAWRENCE DR, RT		33	DRIVEWAY
93+20	-	93+44	LAWRENCE DR, LT		25	DRIVEWAY
93+27	-	93+59	LAWRENCE DR, RT		32	DRIVEWAY
93+59	-	93+59	LAWRENCE DR, RT		5	SIDEWALK
94+17	-	94+27	LAWRENCE DR, LT		11	TRAIL CROSSING
94+52	-	94+56	LAWRENCE DR, RT		10	SIDEWALK
94+96	-	95+53	LAWRENCE DR, RT		57	DRIVEWAY
98+92	-	98+92	LAWRENCE DR, LT		5	SIDEWALK
99+01	-	99+70	LAWRENCE DR, LT		69	DRIVEWAY
99+76	-	99+76	LAWRENCE DR, LT		5	SIDEWALK
99+71	-	99+96	LAWRENCE DR, RT		25	DRIVEWAY
102+42	-	102+42	LAWRENCE DR, LT		6	SIDEWALK
102+66.49	-	102+66.49	LAWRENCE DR		25	END OF CONSTRUCTION LIMITS, NORTHBOUND LANE
102+70.69	-	102+70.69	LAWRENCE DR		32	END OF CONSTRUCTION LIMITS, SOUTHBOUND LANE
102+66	-	104+15.65	LAWRENCE DR		152	BIKE LANE WIDENING, NORTHBOUND LANE
104+15.65	-	104+15.65	LAWRENCE DR		6	BIKE LANE WIDENING, NORTHBOUND LANE
102+70	-	103+61	LAWRENCE DR		118	DRIVEWAY, LT
105+38	-	105+38	LAWRENCE DR, LT		11	SIDEWALK
			TOTAL 0010	79	3,496	

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REMOVING CONCRETE SIDEWALK

STATION	TO	STATION	LOCATION	204.0155 SY	REMARKS
81+47	-	81+84	LAWRENCE DR, LT	25	EMPLOYERS BLVD SOUTHWEST QUAD
81+66	-	82+07	LAWRENCE DR, RT	36	FORTUNE AVE SOUTHEAST QUAD
82+38	-	82+74	LAWRENCE DR, LT	22	EMPLOYERS BLVD MEDIAN
82+50	-	82+75	LAWRENCE DR, LT	18	FORTUNE AVE MEDIAN
83+28	-	83+58	LAWRENCE DR, RT	23	FORTUNE AVE NORTHEAST QUAD
83+06	-	83+48	LAWRENCE DR, LT	28	EMPLOYERS BLVD PORK CHOP ISLAND
83+51	-	83+85	LAWRENCE DR, LT	16	EMPLOYERS BLVD NORTHWEST QUAD
93+59	-	94+56	LAWRENCE DR, RT	85	PRESERVE TRAIL CROSSING EAST
94+14	-	94+30	LAWRENCE DR, LT	14	PRESERVE TRAIL CROSSING WEST
98+92	-	99+03	LAWRENCE DR, LT	8	SOUTH OF DRIVEWAY
99+67	-	99+76	LAWRENCE DR, LT	5	NORTH OF DWY
102+41	-	102+95	LAWRENCE DR, LT	30	SOUTH OF DWY
103+28	-	105+38	LAWRENCE DR, LT	140	NORTH OF DWY
			TOTAL 0010	450	

REMOVING STORM SEWER

STATION	TO	STATION	LOCATION	204.0245.01 12-INCH LF	204.0245.02 15-INCH LF	REMARKS
77+91	-	77+91	LAWRENCE DR		42	LATERAL PIPE 1A-1B
80+85	-	80+85	LAWRENCE DR	42		LATERAL PIPE 2A-2B
87+83	-	87+83	LAWRENCE DR	42		LATERAL PIPE 9A-9B
90+92	-	90+92	LAWRENCE DR	42		LATERAL PIPE 11A-11B
98+91	-	98+91	LAWRENCE DR	42		LATERAL PIPE 15A-15B
101+54	-	101+54	LAWRENCE DR	15		LATERAL PIPE 16A-16
102+44	-	102+46	LAWRENCE DR	5		PIPE 17A-17B
102+49	-	102+66.49	LAWRENCE DR	22		SECTION PIPE 17B-17C WITHIN ROAD REMOVAL LIMITS
			TOTAL 0010	210	42	

STORM SEWER STRUCTURE REMOVAL

STATION	OFFSET*	LOCATION	204.0220 REMOVING INLETS EACH	204.0260 ABANDONING INLETS EACH	STRUCTURE
77+91.32	12.50' RT	LAWRENCE DR	1		1A
80+85.80	12.50' RT	LAWRENCE DR	1		2A
80+84.56	26.50' LT	LAWRENCE DR	1		2B
87+83.57	28.10' LT	LAWRENCE DR	1		9A
90+92.01	12.50' RT	LAWRENCE DR	1		11A
98+91.75	12.50' RT	LAWRENCE DR	1		15A
101+54.34	35.40' LT	LAWRENCE DR	1		16A
102+41.99	22.30' RT	LAWRENCE DR	1		17A
102+47.65	22.80' RT	LAWRENCE DR	1		17B
103+31.06	22.50' RT	LAWRENCE DR		1	17C
103+95.11	26.50' RT	LAWRENCE DR	1		17D
		TOTAL 0010	10	1	

*OFFSET TAKEN FROM 'NORTHBOUND RL' ALIGNMENT
**STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

SEALING PIPES

STATION	TO	STATION	LOCATION	204.0280 EACH	REMARKS
102+67	-	103+29	LAWRENCE DR, RT	4	SEAL BOTH ENDS OF ABANDONED PIPE
			TOTAL 0010	4	

ABANDONING SEWER

STATION	TO	STATION	LOCATION	204.0291.S CY	REMARKS
102+67	-	103+29	LAWRENCE DR, RT	1	12" PIPE, SECTION 17B-17C NOT WITHIN REMOVAL LIMITS
103+31	-	103+93	LAWRENCE DR, RT	1	12" PIPE, SECTION 17C-17D NOT WITHIN REMOVAL LIMITS
			TOTAL 0010	2	

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EXCAVATION COMMON

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	205.0100 COMMON EXCAVATION (1) EBS EXCAVATION (3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	REDUCED EBS IN FILL (9) FACTOR 0.80	208.1100 SELECT BORROW EXPANDED EBS BACKFILL (11) FACTOR 1.30	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.42	MASS ORDINATE +/- (14)	WASTE
STAGE 1												
MAINLINE	76+58.74 - 104+15.65	STAGE 1	6,883	344	2,427	4,456	275	447	17	-367	4,823	4,823
STAGE 1 SUBTOTAL			6,883	344	2,427	4,456	275	447	17	-367	4,823	
STAGE 2												
MAINLINE	76+58.74 - 102+70.67	STAGE 2	4,198	210	1,584	2,614	168	273	25	-203	2,817	2,817
STAGE 2 SUBTOTAL			4,198	210	1,584	2,614	168	273	25	-203	2,817	
GRAND TOTAL			11,081	554	4,011	7,070	443	720	42	-570	7,640	7,640
TOTAL COMMON EXCAVATION			11,635									

NOTES:

(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100

(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

(3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT BORROW MATERIAL.

(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL

(5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

(9) REDUCED EBS IN FILL - EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.80

(11) EXPANDED EBS BACKFILL - THIS IS TO BE FILLED WITH SELECT BORROW MATERIAL. EBS BACKFILL FACTOR = 1.30

(13) EXPANDED FILL FACTOR = 1.42

(14) 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.

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BASE

STATION	TO	STATION	LOCATION	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	311.0110 BREAKER RUN TON	624.0100 WATER MGAL	REMARKS
76+58.74	-	104+15.65	LAWRENCE DR	6,370	36	80	STAGE 1, INCLUDES BIKE LANE WIDENING SECTION
76+58.74	-	102+70.67	LAWRENCE DR	4,297		80	STAGE 2A & 2B
			LAWRENCE DR	200			TEMPORARY ACCESS
			TOTAL 0010	10,867	36	160	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

CONCRETE PAVEMENT 9-INCH

STATION	TO	STATION	LOCATION	415.0090 SY	REMARKS
76+58.74	-	104+15.65	LAWRENCE DR	8,918	STAGE 1, INCLUDES BIKE LANE WIDENING SECTION
76+58.74	-	102+70.67	LAWRENCE DR	5,839	STAGE 2A & 2B
			TOTAL 0010	14,757	

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TRUCK APRON

STATION	TO	STATION	LOCATION	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	* 405.0100 COLORING CONCRETE WISDOT RED CY	415.2010 CONCRETE TRUCK APRON 12-INCH SY
93+59	-	94+96	LAWRENCE DR, RT	50	20	60
			TOTAL 0010	50	20	60

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

DRILLED TIE BARS

STATION	TO	STATION	LOCATION	416.0610 EACH	REMARKS
102+66	-	104+15	LAWRENCE DR	53	NORTHBOUND LANE, TIE INTO BIKE LANE
102+70	-	103+61	LAWRENCE DR	38	DRIVEWAY
			TOTAL 0010	91	

CONCRETE PAVEMENT JOINT FILLING

STATION	TO	STATION	LOCATION	415.4100 SY	REMARKS
76+58.74	-	104+15.65	LAWRENCE DR	9,833	STAGE 1, INCLUDES BIKE WIDENING SECTION
76+58.74	-	102+70.67	LAWRENCE DR	6,709	STAGE 2A & 2B
			TOTAL 0010	16,542	

DRILLED DOWEL BARS

STATION	TO	STATION	LOCATION	416.0620 EACH	REMARKS
76+58.74	-	76+58.74	LAWRENCE DR	49	BOP
82+11	-	82+48	LAWRENCE DR	37	FORTUNE AVE
82+80	-	83+19	LAWRENCE DR	40	FORTUNE AVE
102+66.49	-	102+66.49	LAWRENCE DR	32	EOP, NORTHBOUND LANE
102+70.67	-	102+70.67	LAWRENCE DR	32	EOP, SOUTHBOUND LANE
104+15.65	-	104+15.65	LAWRENCE DR	6	BIKE LANE WIDENING
			TOTAL 0010	196	

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CONCRETE DRIVEWAYS

STATION	TO	STATION	LOCATION	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	415.0210 CONCRETE PAVEMENT GAPS EACH	602.0810 CONCRETE DRIVEWAY 6-INCH SY	602.0820 CONCRETE DRIVEWAY 8-INCH SY	602.0870 CONCRETE DRIVEWAY HES 8-INCH SY	REMARKS
76+74	-	77+08	LAWRENCE DR, LT	13		37			TYPE Z
77+35	-	77+76	LAWRENCE DR, RT	20			44		TYPE Z
77+93	-	78+25	LAWRENCE DR, LT	13		37			TYPE Z
78+64	-	79+02	LAWRENCE DR, LT	21			46		TYPE Z
88+00	-	88+39	LAWRENCE DR, RT	17			37		TYPE Z
89+39	-	89+78	LAWRENCE DR, RT	17	1			38	TYPE Z
93+16	-	93+50	LAWRENCE DR, LT	18	1			40	TYPE X
93+23	-	93+64	LAWRENCE DR, RT	18	1			41	TYPE Z
94+70	-	95+85	LAWRENCE DR, RT	62	1		139		TYPE Z
98+97	-	99+74	LAWRENCE DR, LT	44	1		99		TYPE Z
99+53	-	100+14	LAWRENCE DR, RT	18	1		41		TYPE Z
102+67	-	103+61	LAWRENCE DR, LT	51			114		TYPE Z
			TOTAL 0010	312	6	74	520	119	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

ASPHALTIC MATERIALS

STATION	TO	STATION	LOCATION	455.0605 TACK COAT GAL	465.0105 ASPHALTIC SURFACE TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	REMARKS
81+87	-	82+36	LAWRENCE DR, LT	4	12		EMPLOYERS BLVD, EXIT
82+76	-	83+03	LAWRENCE DR, LT	2	4		EMPLOYERS BLVD, ENTRANCE
83+42	-	83+50	LAWRENCE DR, LT	1	2		SOUTHBOUND RIGHT TURN LANE AT EMPLOYERS BLVD
			LAWRENCE DR, STORM SEWER			12	STORM SEWER LATERAL PIPE REPLACEMENT
			TOTAL 0010	7	18	12	

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CURB AND GUTTER

STATION	TO	STATION	LOCATION	601.0150 CONCRETE CURB INTEGRAL TYPE D LF	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF	SPV.0090.02 SPECIAL (02. CONCRETE CURB INTEGRAL TYPE TBT) LF	REMARKS
76+58.74	-	82+11	LAWRENCE DR, RT	581					STAGE 1
82+47	-	82+80	LAWRENCE DR, RT	82					STAGE 1
83+19	-	93+64	LAWRENCE DR, RT	1,210					STAGE 1
95+51	-	99+70	LAWRENCE DR, RT	428					STAGE 1
99+96	-	104+14	LAWRENCE DR, RT	425					STAGE 1
76+58.74	-	81+89	LAWRENCE DR, LT	539					STAGE 2
83+38	-	82+74	LAWRENCE DR, LT	53					STAGE 2
83+04	-	83+37	LAWRENCE DR, LT	118					STAGE 2
83+51	-	102+71	LAWRENCE DR, LT	2,421					STAGE 2
101+03	-	102+59	LAWRENCE DR, MEDIAN		340				MEDIAN
93+64	-	94+96	LAWRENCE DR, RT					139	TRUCK APRON
94+00	-	94+46	LAWRENCE DR, MEDIAN			87	20		PRESERVE TRAIL REFUGE ISLAND
81+46	-	81+88	LAWRENCE DR, LT				45		EMPLOYERS BLVD, CURB RAMP
83+27	-	83+48	LAWRENCE DR, RT				26		FORTUNE AVE, CURB RAMP
83+52	-	83+75	LAWRENCE DR, LT				32		EMPLOYERS BLVD, CURB RAMP
102+41	-	102+96	LAWRENCE DR, LT				52		DRIVEWAY,LT
103+29	-	104+05	LAWRENCE DR, LT				73		DRIVEWAY,LT
104+83	-	105+38	LAWRENCE DR, LT				55		CURB RAMP
			TOTAL 0010	5,857	340	87	303	139	

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SIDEWALK

STATION	TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	* 405.0100 COLORING CONCRETE WISDOT RED CY	405.1000 STAMPING COLORED CONCRETE CY	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0415 CONCRETE SIDEWALK 6-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	602.0615 CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA SF	SPV.0165.01 SPECIAL (01. CONCRETE SIDEWALK 8-INCH) SF	REMARKS
81+46	-	81+88	LAWRENCE DR, LT	10				161		94		36		EMPLOYERS BLVD
81+66	-	82+08	LAWRENCE DR, RT	10				200		143	20			FORTUNE AVE
82+36	-	82+73	LAWRENCE DR, LT	6				106		116	20			EMPLOYERS BLVD
82+49	-	82+75	LAWRENCE DR, RT	5				51		119	20			FORTUNE AVE
83+05	-	83+53	LAWRENCE DR, LT	7				189		81	20			EMPLOYERS BLVD
83+27	-	83+58	LAWRENCE DR, RT	5				143		44	10			FORTUNE AVE
83+52	-	83+73	LAWRENCE DR, LT	5				99		52	10			EMPLOYERS BLVD
91+31	-	93+20	LAWRENCE DR, LT	13				470						PARKING LANE
94+61		96+62	LAWRENCE DR, LT	14				530						PARKING LANE
93+59	-	94+56	LAWRENCE DR, RT	20				531		152	30		59	TRAIL CROSSING
94+02	-	94+18	LAWRENCE DR, MEDIAN		5	2		115						MEDIAN AT TRAIL CROSSING
94+18	-	94+27	LAWRENCE DR, MEDIAN	4						140	40			MEDIAN AT TRAIL CROSSING
94+27	-	94+44	LAWRENCE DR, MEDIAN		5	2		139						MEDIAN AT TRAIL CROSSING
94+12	-	94+33	LAWRENCE DR, LT	5						161	20			TRAIL CROSSING
98+92	-	99+03	LAWRENCE DR, LT	2				24		28				
99+67	-	99+76	LAWRENCE DR, LT	2						40				
101+06	-	102+67	LAWRENCE DR, MEDIAN	25			20		1246					MEDIAN
102+10	-	102+95	LAWRENCE DR, LT	22				789		53	20			DRIVEWAY
103+29	-	105+39	LAWRENCE DR, LT	52				1938		69	20			DRIVWAY
			TOTAL 0010	207	10	4	20	5,485	1,246	1,292	230	36	59	

3

STORM SEWER PIPES

STRUCTURE FROM	STRUCTURE TO	INVERT ELEVATION	DISCHARGE ELEVATION	SLOPE	608.0212 REINFORCED CONCRETE CLASS II 12-INCH LF	608.0312 REINFORCED CONCRETE CLASS III 12-INCH LF	608.0412 REINFORCED CONCRETE CLASS IV 12-INCH LF
1A	1B	628.72	628.36	0.80%			45
2A	2B	626.56	626.36	0.48%			42
2C	2A	626.99	626.56	0.44%			97
2D	2A	626.88	626.56	0.49%			66
2E	2B	626.64	626.36	0.48%			58
9A	9B	626.59	626.46	0.30%			44
9C	9A	626.97	626.59	0.46%			82
10A	9A	626.90	626.59	0.30%			103
11A	11B	627.22	627.02	0.44%			45
15A	15B	624.90	624.68	0.49%		45	
15C	15A	625.20	624.90	0.61%		49	
15D	15A	625.21	624.90	0.67%		46	
15E	15B	625.88	625.68	0.48%			42
16A	16	622.38	622.34	0.63%	6		
17A	17B	624.32	624.28	0.70%			6
17B	17C	624.28	623.78	0.59%			85
17C	17D	623.78	623.45	0.51%			65
				TOTAL 0010	6	140	780

ADJUSTING SANITARY MANHOLE COVERS

STATION	LOCATION	SPV.0060.02 EACH
77+60	LAWRENCE DR, 23' RT	1
81+64	LAWRENCE DR, 25' RT	1
86+25	LAWRENCE DR, 25' LT	1
94+59	LAWRENCE DR, 7' RT	1
102+16	LAWRENCE DR, 46' LT	1
102+19	LAWRENCE DR, 23' RT	1
103+63	LAWRENCE DR, 61' LT	1
	TOTAL 0020	7

CONCRETE COLLARS FOR PIPE

STATION	LOCATION*	520.8000 EACH	REMARKS
77+90	LAWRENCE DR, 29.5' LT	1	TIE INTO INLET 1B
80+84	LAWRENCE DR, 26.5' LT	1	TIE INTO PIPE 2B-2
87+26	LAWRENCE DR, 28.1' LT	2	TIE INTO PIPE 6-7, 7-8
87+82	LAWRENCE DR, 29' LT	1	TIE INTO INLET 9B
90+92	LAWRENCE DR, 29.5' LT	1	TIE INTO INLET 11B
98+90	LAWRENCE DR, 32.9' LT	2	TIE INTO INLET 15B
101+50	LAWRENCE DR, 41.1' LT	1	TIE INTO MANHOLE 16
103+94	LAWRENCE DR, 26.5' RT	1	TIE INTO PIPE 17D-17F
103+95	LAWRENCE DR, 26.5' RT	1	TIE INTO PIPE 17D-17E
	TOTAL 0010	11	

*OFFSET TAKEN FROM 'NORTHBOUND RL' ALIGNMENT
*STATION AND OFFSETS ARE TO END OF PIPE

PIPE UNDERDRAIN

STATION	STRUCTURE #	LOCATION	310.0110 BASE AGGREGATE OPEN-GRADED TON	612.0106 PIPE UNDERDRAIN 6-INCH LF	645.0111 GEOTEXTILE TYPE DF SCHEDULE A SY
80+85	2B	LAWRENCE DR	2	20	8
80+86	2A	LAWRENCE DR	2	20	8
87+32	7	LAWRENCE DR	2	20	8
87+92	9A	LAWRENCE DR	2	20	8
98+91	15B	LAWRENCE DR	2	20	8
98+92	15A	LAWRENCE DR	2	20	8
103+95	17D	LAWRENCE DR	2	20	8
		TOTAL 0010	14	140	56

STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET*	LOCATION	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	SPV.0060.01 SPECIAL (01. ADJUSTING MANHOLE COVERS WITH RUBBER RINGS) EACH	SPV.0060.05 SPECIAL (05. INLET COVER TYPE SPECIAL) EACH	RIM ELEVATION***	INVERT ELEVATION****	DEPTH FT*****	REMARKS
1A	77+91.72	15.50' RT	LAWRENCE DR	1			1			1			633.36	628.72	3.81	
1B	77+90.32	29.50' LT	LAWRENCE DR	1									633.37	628.36	4.18	UTILIZE EXISTING STRUCTURE
2	80+84.02	31.92' LT	LAWRENCE DR					1					631.68	626.23	4.41	
2A	80+85.96	15.50' RT	LAWRENCE DR		1		1			1			631.05	625.72	4.34	
2B	80+84.74	26.50' LT	LAWRENCE DR		1		1			1			630.89	625.66	4.23	
2C	79+89.15	15.50' RT	LAWRENCE DR	1			1			1			631.33	626.99	3.50	
2D	81+51.56	15.50' RT	LAWRENCE DR	1			1			1			631.30	626.88	3.58	
2E	81+43.17	26.50' LT	LAWRENCE DR	1			1			1			631.15	626.64	3.68	
3	81+85.26	31.91' LT	LAWRENCE DR									1	631.28	625.67	4.81	SEE CONSTRUCTION DETAILS
4	82+93.34	29.83' LT	LAWRENCE DR					1					631.93	625.11	5.85	
4A	83+48.57	64.77' LT	LAWRENCE DR						1				630.66	627.17	2.65	
6	86+60.39	3.46' LT	LAWRENCE DR								1		631.15	623.65	6.55	
7	87+32.19	28.10' LT	LAWRENCE DR		1	1				1			630.52	623.45	6.12	
9A	87+92.08	15.50' RT	LAWRENCE DR		1		1			1			630.64	626.59	3.21	
9B	87+90.00	29.00' LT	LAWRENCE DR	1									630.60	626.46	3.31	UTILIZE EXISTING STRUCTURE
9C	87+12.66	15.50' RT	LAWRENCE DR	1			1			1			630.72	626.39	3.33	
10A	88+94.35	15.50' RT	LAWRENCE DR	1			1			1			630.85	625.50	4.52	
11A	90+92.01	15.50' RT	LAWRENCE DR	1			1			1			631.83	627.22	3.78	
11B	90+92.05	29.50' LT	LAWRENCE DR	1									631.83	627.02	3.98	UTILIZE EXISTING STRUCTURE
12	91+19.46	34.28' LT	LAWRENCE DR					1					632.43	622.03	9.50	
14	94+81.78	33.82' LT	LAWRENCE DR					1					632.47	620.62	10.94	
15A	98+91.75	15.50' RT	LAWRENCE DR		1		1			1			630.70	624.90	4.97	
15B	98+90.91	29.50' LT	LAWRENCE DR		1								630.70	624.53	5.34	UTILIZE EXISTING STRUCTURE
15C	98+42.52	15.50' RT	LAWRENCE DR	1			1			1			630.76	625.20	4.73	
15D	99+37.96	15.50' RT	LAWRENCE DR	1			1			1			630.76	625.21	4.71	
15E	98+48.97	29.50' LT	LAWRENCE DR	1			1			1			630.74	625.88	4.03	
16	101+50.40	41.12' LT	LAWRENCE DR					1					631.11	617.67	12.53	
16A	101+53.09	35.40' LT	LAWRENCE DR	1			1			1			630.44	621.80	7.64	
17A	102+41.99	25.30' RT	LAWRENCE DR	1			1			1			629.42	623.74	4.68	
17B	102+47.65	25.80' RT	LAWRENCE DR	1			1			1			629.33	624.28	4.22	
17C	103+31.06	26.50' RT	LAWRENCE DR	1			1			1			628.52	623.78	3.91	
17D	103+95.11	26.50' RT	LAWRENCE DR		1		1			1			628.33	623.45	4.06	
			TOTAL 0010	17	7	1	19	5	1	20	1	1				

REMARKS:
*OFFSET TAKEN FROM 'NORTHBOUND RL' ALIGNMENT
**STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE
***RIM ELEV IS AT THE INLET COVER FLANGE LOCATION
****FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE
*****DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT

3

LANDSCAPING

STATION	TO	STATION	LOCATION	625.0100 TOPSOIL SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	629.0210 FERTILIZER TYPE B CWT	630.0140 SEEDING MIXTURE NO. 40 LB	630.0500 SEED WATER MGAL	REMARKS
76+58.74	-	105+80.43	LAWRENCE DR	3,126	3,126	2	56	70	STAGE 1
76+58.74	-	105+80.43	LAWRENCE DR	3,045	3,045	2	56	70	STAGE 2
			TOTAL 0010	6,171	6,171	4	112	140	

EROSION MOBILIZATION

STATION	TO	STATION	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
76+58.74	-	105+80.43	LAWRENCE DR	8	5
			TOTAL 0010	8	5

TRACKING PADS

STATION	LOCATION	628.7560 TRACKING PADS EACH	REMARKS
76+58.74	LAWRENCE DR	1	STAGE 1 - BEGINNING OF PROJECT
76+58.74	LAWRENCE DR	1	STAGE 2 - BEGINNING OF PROJECT
81+75	LAWRENCE DR	1	STAGE 2 - EMPLOYERS BLVD
82+50	LAWRENCE DR	1	STAGE 1 - FORTUNE AVE
83+00	LAWRENCE DR	1	STAGE 2 - EMPLOYERS BLVD
104+15.65	LAWRENCE DR	1	STAGE 1 - END OF PROJECT
102+70.67	LAWRENCE DR	1	STAGE 2 - END OF PROJECT
	TOTAL 0010	7	

INLET PROTECTION

STRUCTURES	STATION	LOCATION	628.7005 TYPE A EACH	628.7010 TYPE B EACH	628.7015 TYPE C EACH	628.7020 TYPE D EACH
1A	77+91.72	LAWRENCE DR, RT	1		2	
1B	77+90.32	LAWRENCE DR, LT	1		2	
2A	80+85.96	LAWRENCE DR, RT	1			2
2B	80+84.74	LAWRENCE DR, LT	1			2
2C	79+89.15	LAWRENCE DR, RT	1		1	
2D	81+51.56	LAWRENCE DR, RT	1		1	
2E	81+43.17	LAWRENCE DR, LT	1		1	
3	81+85.26	LAWRENCE DR, LT	1	2		
	82+26	LAWRENCE DR, 418' RT			1	
3A	82+26.87	LAWRENCE DR, LT			1	
3B	81+96.39	LAWRENCE DR, LT			1	
	83+29	LAWRENCE DR, 403' RT			1	
4A	83+48.57	LAWRENCE DR, LT	1		1	
4B	82+79.01	LAWRENCE DR, LT		1		
4C	82+75.71	LAWRENCE DR, LT			1	
7	87+32.19	LAWRENCE DRIVE, LT	1			1
9A	87+92.08	LAWRENCE DRIVE, RT	1			2
9B	87+90.00	LAWRENCE DRIVE, LT	1		1	1
9C	87+12.66	LAWRENCE DRIVE, RT	1		1	
10A	88+94.35	LAWRENCE DRIVE, RT	1		1	
11A	90+92.01	LAWRENCE DRIVE, RT	1		2	
11B	90+92.05	LAWRENCE DRIVE, LT	1		2	
15A	98+91.75	LAWRENCE DRIVE, RT	1			2
15B	98+90.91	LAWRENCE DRIVE, LT	1			2
15C	98+42.53	LAWRENCE DRIVE, RT	1		1	
15D	99+37.96	LAWRENCE DRIVE, RT	1		1	
15E	98+48.97	LAWRENCE DRIVE, LT	1		1	
16A	101+53.09	LAWRENCE DRIVE, LT	1		2	
17	103+97.37	LAWRENCE DRIVE, LT				1
17A	102+41.99	LAWRENCE DRIVE, RT	1		2	
17B	102+47.65	LAWRENCE DRIVE, RT	1		2	
17C	103+31.06	LAWRENCE DRIVE, RT	1		2	
17D	103+95.11	LAWRENCE DRIVE, RT	1			2
17E	105+04.64	LAWRENCE DRIVE, RT			1	
17F	103+95.92	LAWRENCE DRIVE, MED				1
17G	103+96.17	LAWRENCE DRIVE, MED				1
17I	104+56.70	LAWRENCE DRIVE, LT			1	
	106+33.04	LAWRENCE DRIVE, RT			1	
		TOTAL 0010	26	3	34	17

3

PROJECT NO: 4985-00-62 | HWY: LAWRENCE DRIVE | COUNTY: BROWN | MISCELLANEOUS QUANTITIES | SHEET 112 | E

ERECTION OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W	X	H	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	634.0808 POSTS TUBULAR STEEL 2X2-INCH X 8-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	REMARKS
201A	LAWRENCE DR, LT	R3-9D	30"	X	12"		1			2.50		
201B	LAWRENCE DR, LT	R3-9B	24"	X	36"					6.00		MOUNT UNDER 201A
202A	LAWRENCE DR, RT	R3-9C	30"	X	12"		1			2.50		
202B	LAWRENCE DR, RT	R3-9B	24"	X	36"					6.00		MOUNT UNDER 202A
203	LAWRENCE DR BOP MED	R4-7	24"	X	30"	1				5.00		
204A	LAWRENCE DR, RT	R3-17	30"	X	24"		1			5.00		
204B	LAWRENCE DR, RT	R8-3	24"	X	24"					4.00		MOUNT UNDER 204A
205A	LAWRENCE DR, LT	R3-9C	24"	X	6"	1				1.00		
205B	LAWRENCE DR, LT	R3-9B	24"	X	36"					6.00		MOUNT UNDER 205A
206	LAWRENCE DR, RT	R3-8LF	36"	X	30"	1				7.50		
207A	LAWRENCE DR, LT	R3-17	30"	X	24"		1			5.00		
207B	LAWRENCE DR, LT	R8-3	24"	X	24"					4.00		MOUNT UNDER 207A
208	LAWRENCE DR, RT	R3-8LF	36"	X	30"	1				7.50		
209	LAWRENCE DR, LT	R2-1	24"	X	30"	1				5.00		
210	LAWRENCE DR, LT	W12-1D	24"	X	24"	1				4.00		TURN LANE MEDIAN EMPLOYERS
211A	LAWRENCE DR, RT	R3-17	30"	X	24"		1			5.00		
211B	LAWRENCE DR, RT	R8-3	24"	X	24"					4.00		MOUNT UNDER 211C
212A	LAWRENCE DR, LT	R14-1	24"	X	18"		1			3.00		MOUNT TO LIGHT POLE
212B	LAWRENCE DR, LT	M6-1	21"	X	21"					3.06		MOUNT TO LIGHT POLE, MOUNT UNDER 212A
213	LAWRENCE DR, LT	R3-8LAR	54"	X	30"	1				11.25		
214	LAWRENCE DR, RT	R2-1	24"	X	30"	1				5.00		MOUNT TO LIGHT POLE, 35 MPH
215	LAWRENCE DR, LT	R4-4	36"	X	30"	1				7.50		
216A	LAWRENCE DR, RT	R3-9C	30"	X	12"		1			2.50		
216B	LAWRENCE DR, RT	R3-9B	24"	X	36"					6.00		MOUNT UNDER 216A
217A	LAWRENCE DR, LT	R3-9D	30"	X	12"		1			2.50		MOUNT TO LIGHT POLE
217B	LAWRENCE DR, LT	R3-9B	24"	X	36"					6.00		MOUNT TO LIGHT POLE, MOUNT UNDER 217A
218A	LAWRENCE DR, LT	R3-17	30"	X	24"		1			5.00		
218B	LAWRENCE DR, LT	R8-3	24"	X	24"					4.00		MOUNT UNDER 218A
219A	LAWRENCE DR, RT	R3-17	30"	X	24"		1			5.00		
219B	LAWRENCE DR, RT	R8-3	24"	X	24"					4.00		MOUNT UNDER 219A
220	LAWRENCE DR, LT	W3-3	36"	X	36"		1				9.00	MOUNT TO LIGHT POLE
221A	LAWRENCE DR, RT	W11-15	30"	X	30"		1				7.00	
221B	LAWRENCE DR, RT	W16-9P	24"	X	12"						2.00	MOUNT UNDER 221A
222	LAWRENCE DR, RT	R3-9B	24"	X	36"		1			6.00		MOUNT TO LIGHT POLE
223	LAWRENCE DR, LT	R3-9B	24"	X	36"		1			6.00		
224	LAWRENCE DR MED	R1-6	12"	X	36"		1			3.00		SOUTH END OF MEDIAN REFUGE ISLAND
225A	LAWRENCE DR MED	W11-15	30"	X	30"		1				7.00	MOUNT TO SOUTH SIDE OF RRFB
225B	LAWRENCE DR MED	W16-7L	24"	X	12"						2.00	MOUNT UNDER 225A ON RRFB
226A	LAWRENCE DR MED	W11-15	30"	X	30"		1				7.00	MOUNT ON NORTH SIDE OF RRFB
226B	LAWRENCE DR MED	W16-7R	24"	X	12"						2.00	MOUNT UNDER 226A ON RRFB
226C	LAWRENCE DR MED	R10-25	9"	X	12"					0.75		MOUNT UNDER 226B ON RRFB
		SUBTOTAL 0010				9	17	0	0	160.56	36.00	

ERECTION OF PERMANENT SIGNING, TYPE II CONTINUED

SIGN NO.	LOCATION	SIGN CODE	W	X	H	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	634.0808 POSTS TUBULAR STEEL 2X2-INCH X 8-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	REMARKS
227A	LAWRENCE DR MED	W11-15	30"	X	30"		1				6.25	SEE PLAN DETAIL, MOUNT ON SOUTH SIDE OF RRFB
227B	LAWRENCE DR, RT	W16-7D	24"	X	12"						2.00	MOUNT UNDER 227A ON RRFB
227C	LAWRENCE DR, RT	R10-25	9"	X	12"					0.75		MOUNT UNDER 227B ON RRFB
228A	LAWRENCE DR, RT	W11-15	30"	X	30"		1				6.25	SEE PLAN DETAIL, MOUNT ON NORTH SIDE OF RRFB
228B	LAWRENCE DR, RT	W16-7D	24"	X	12"						2.00	MOUNT UNDER 228B ON RRFB
229A	LAWRENCE DR, LT	W11-15	30"	X	30"		1				6.25	MOUNT TO SOUTH SIDE OF RRFB
229B	LAWRENCE DR,LT	W16-7R	24"	X	12"						2.00	MOUNT UNDER 229A ON RRFB
229C	LAWRENCE DR,LT	R10-25	9"	X	12"					0.75		MOUNT UNDER 229B ON RRFB
230A	LAWRENCE DR,LT	W11-15	30"	X	30"		1				6.25	MOUNT TO NORTH END OF RRFB
230B	LAWRENCE DR,LT	W16-7L	24"	X	12"						2.00	MOUNT UNDER 230A ON RRFB
231	LAWRENCE DR MED	R1-6	12"	X	36"		1			3.00		NORTH END OF MEDIAN REFUGE ISLAND
232A	LAWRENCE DR, RT	R3-17	30"	X	24"		1			5.00		
232B	LAWRENCE DR, RT	R8-3	24"	X	24"					4.00		MOUNT UNDER 232A
233A	LAWRENCE DR, LT	W11-15	30"	X	30"	1					6.25	MOUNT TO LIGHT POLE
233B	LAWRENCE DR, LT	W16-9P	24"	X	12"						2.00	MOUNT TO LIGHT POLE, MOUNT UNDER 233B
234A	LAWRENCE DR, LT	R3-17	30"	X	24"		1			5.00		
234B	LAWRENCE DR, LT	R8-3	24"	X	24"					4.00		MOUNT UNDER 234B
235A	LAWRENCE DR, RT	R3-9D	24"	X	6"		1			1.00		
235B	LAWRENCE DR, RT	R3-9B	24"	X	36"					6.00		MOUNT UNDER 235B
236A	LAWRENCE DR, LT	R3-9C	24"	X	6"		1			1.00		
236B	LAWRENCE DR, LT	R3-9B	24"	X	36"					6.00		MOUNT UNDER 236B
237	LAWRENCE DR MED	R4-7	24"	X	30"	1				5.00		
238A	LAWRENCE DR, LT	R3-17	30"	X	24"			1		5.00		
238B	LAWRENCE DR, LT	R3-17AP	30"	X	12"					2.50		MOUNT UNDER 238A
238C	LAWRENCE DR, LT	R8-3	24"	X	24"					4.00		MOUNT UNDER 238B
239	LAWRENCE DR, RT	R3-8BD	42"	X	30"	1				8.75		
240	LAWRENCE DR, LT	W4-2R	36"	X	36"		1				9.00	
241A	LAWRENCE DR, RT	W2-6	30"	X	30"			1			6.25	
241B	LAWRENCE DR, RT	W2-6P	30"	X	16"						3.33	MOUNT UNDER 241A
241C	LAWRENCE DR, RT	W13-1	18"	X	18"						2.25	MOUNT UNDER 241B
242	LAWRENCE DR, RT	W3-2	36"	X	36"		1				9.00	
243	LAWRENCE DR, LT	R2-1	24"	X	30"	1				5.00		MOUNT TO LIGHT POLE, 35 MPH
244A	LAWRENCE DR, RT	R3-17	30"	X	24"		1			5.00		
244B	LAWRENCE DR, RT	R3-17BP	30"	X	12"					2.50		MOUNT UNDER 244A
245	LAWRENCE DR, LT	R3-20R	24"	X	36"		1			6.00		
246	LAWRENCE DR, LT	W4-2R	36"	X	36"		1				9.00	
247A	LAWRENCE DR, LT	R9-3A	24"	X	24"				1	4.00		
247B	LAWRENCE DR, LT	R9-3BR	18"	X	12"					1.50		MOUNT UNDER 247A
248A	LAWRENCE DR, RT	R9-3A	24"	X	24"				1	4.00		
248B	LAWRENCE DR, RT	R9-3BL	18"	X	12"					1.50		MOUNT UNDER 248A
		SUBTOTAL 0010				4	14	2	2	91.25	80.08	
		TOTAL 0010				13	31	2	2	251.81	116.08	

3

CONCRETE MEDIAN SLOPED NOSE

STATION	TO	STATION	LOCATION	620.0300 SF	REMARKS
83+63	-	83+74	LAWRENCE DR	30	NORTH PORKCHOP ISLAND AT EMPLOYERS BLVD
94+03	-	94+06	LAWRENCE DR	30	MEDIAN REFUGE ISLAND
94+39	-	94+45	LAWRENCE DR	33	MEDIAN REFUGE ISLAND
			TOTAL 0010	93	

REMOVING SIGNS

LOCATION	SIGN CODE	638.2602 TYPE II EACH	REMARKS
STA 76+53, MED	R4-7	1	SEE SIGNING PLAN
STA 80+94 LT	W4-2R	1	
STA 81+39 LT	R2-1	1	
STA 83+64 LT	W12-1D	1	
STA 82+74 LT	W9-1R	1	REMOVE FROM LIGHT POLE
STA 82+74 LT	R14-1	1	REMOVE FROM LIGHT POLE
STA 82+74 LT	M6-1	1	REMOVE FROM LIGHT POLE
STA 85+86 LT	SPECIAL	1	RIGHT TURN LANE
STA 90+34 RT	R2-1	1	REMOVE FROM LIGHT POLE
STA 91+10 RT	W11-2	1	
STA 91+10 RT	W16-9P	1	
STA 91+45 LT	W3-3	1	REMOVE FROM LIGHT POLE
STA 94+18 RT	W11-2	1	
STA 94+18 RT	W16-7L	1	
STA 94+32 LT	W11-2	1	
STA 94+32 LT	W16-7L	1	
STA 96+91 RT	W11-2	1	
STA 96+91 RT	W16-9P	1	
STA 102+72 MED	R4-7	1	
STA 102+79 RT	W2-6	1	
STA 102+79 RT	W2-6P	1	
STA 102+79 RT	W13-1	1	
STA 103+48 RT	W3-2	1	
STA 104+47 LT	R2-1	1	REMOVE FROM LIGHT POLE
TOTAL 0010		24	

MOVING SIGNS

SIGN NO.	LOCATION	638.2102 TYPE II EACH	REMARKS
301	STA 103+15 RT	1	MOUNT TO LIGHT POLE, SEE SIGNING PLAN
	TOTAL 0010	1	

TEMPORARY MARKING

LOCATION	643.3105 TEMPORARY MARKING LINE PAINT 4-INCH LF	* 643.3150 LINE REMOVABLE TAPE 4-INCH LF	643.3960 REMOVABLE MASK OUT TAPE 6-INCH LF	643.3970 REMOVABLE MASK OUT TAPE 10-INCH LF	646.9000 MARKING REMOVAL LINE 4-INCH LF	REMARKS
LAWRENCE DR	2,603	147	125	200	936	STAGE 1
LAWRENCE DR		370		230		STAGE 2A & 2B
TOTAL 0010	2,603	517	125	430	936	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	APPROX. LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD DAYS	* 643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	* 643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	* 643.0900 TRAFFIC CONTROL SIGNS DAY	REMARKS
001	1000' W LAWRENCE DR INTERSECTION ON SOUTHBRIDGE RD	M3-1	24" X 12"	1	70			70	
	"	SPECIAL	30" X 18"	1	70			70	LAWRENCE DR
	"	W20-2A	36" X 36"	1	70			70	
002	550' W LAWRENCE DR INTERSECTION ON SOUTHBRIDGE RD	M4-8	24" X 12"	1	70			70	
	"	M3-1	24" X 12"	1	70			70	NORTH
	"	SPECIAL	30" X 18"	1	70			70	LAWRENCE DR
	"	M6-1	21" X 21"	1	70			70	UP
003	SW QUAD LAWRENCE DR INTERSECTION ON SOUTHBRIDGE RD	M4-8	24" X 12"	1	70			70	
	"	M3-1	24" X 12"	1	70			70	NORTH
	"	SPECIAL	30" X 18"	1	70			70	LAWRENCE DR
	"	M6-1	21" X 21"	1	70			70	UP
004	NW QUAD LAWRENCE DR INTERSECTION ON SOUTHBRIDGE RD	R11-3	60" X 30"	1	70	70	140	70	
005	1000' S SOUTHBRIDGE RD INTERSECTION ON LAWRENCE DR	W20-2A	36" X 36"	1	70			70	
006	500' S SOUTHBRIDGE RD INTERSECTION ON LAWRENCE DR	M4-59R	30" X 30"	1	70			70	
007	SE QUAD SOUTHBRIDGE RD INTERSECTION ON LAWRENCE DR	M4-9R	30" X 24"	1	70			70	
008	NE QUAD SOUTHBRIDGE RD INTERSECTION ON LAWRENCE DR	M4-9R	30" X 24"	1	70	70	140	70	
009	100' E LAWRENCE DR INTERSECTION ON SOUTHBRIDGE RD	M4-8	24" X 12"	1	70			70	
	"	M3-1	24" X 12"	1	70			70	NORTH
	"	SPECIAL	30" X 18"	1	70			70	LAWRENCE DR
010	550' W AMERICAN BLVD INTERSECTION ON SOUTHBRIDGE RD	M4-59L	30" X 30"	1	70			70	
011	SW QUAD AMERICAN BLVD INTERSECTION ON SOUTHBRIDGE RD	M4-9L	30" X 24"	1	70			70	
012	500' S SOUTHBRIDGE RD INTERSECTION ON AMERICAN DR	M3-1	24" X 12"	1	70			70	NORTH
	"	SPECIAL	30" X 18"	1	70			70	LAWRENCE DR
	"	W20-2A	36" X 36"	1	70			70	
013	S QUAD SOUTHBRIDGE RD INTERSECTION ON AMERICAN DR	M4-8	24" X 12"	1	70			70	
	"	M3-1	24" X 12"	1	70			70	NORTH
	"	SPECIAL	30" X 18"	1	70			70	LAWRENCE DR
	"	M6-1	21" X 21"	1	70			70	UP
014	200' N SOUTHBRIDGE RD INTERSECTION ON AMERICAN DR	M4-8	24" X 12"	1	70			70	
	"	M3-1	24" X 12"	1	70			70	NORTH
	"	SPECIAL	30" X 18"	1	70			70	LAWRENCE DR
015	1000' SE AMERICAN DR INTERSECTION ON FORTUNE AVE	SPECIAL	30" X 18"	1	70			70	LAWRENCE DR
	"	W20-2A	36" X 36"	1	70			70	
016	550' SE AMERICAN DR INTERSECTION ON FORTUNE AVE	M3-1	24" X 12"	1	70			70	NORTH
	"	SPECIAL	30" X 18"	1	70			70	LAWRENCE DR
	"	M4-59R	30" X 30"	1	70			70	
017	NE QUAD AMERICAN BLVD INTERSECTION ON FORTUNE AVE	M3-1	24" X 12"	1	70			70	NORTH
	"	SPECIAL	30" X 18"	1	70			70	LAWRENCE DR
	"	M4-9R	30" X 24"	1	70			70	
018	200' NE OF FORTUNE AVE INTERSECTION ON AMERICAN BLVD	M4-8	24" X 12"	1	70			70	
	"	M3-1	24" X 12"	1	70			70	NORTH
	"	SPECIAL	30" X 18"	1	70			70	LAWRENCE DR
019	600' S SCHEURING RD INTERSECTION ON AMERICAN BLVD	M4-59L	30" X 30"	1	70			70	
020	SE QUAD SCHEURING ROAD INTERSECTION ON AMERICAN BLVD	M4-9L	30" X 24"	1	70			70	
021	100' W AMERICAN BLVD INTERSECTION ON SCHEURING RD	M4-8	24" X 12"	1	70			70	
	"	M3-1	24" X 12"	1	70			70	NORTH
	"	SPECIAL	30" X 18"	1	70			70	LAWRENCE DR
					PAGE SUBTOTAL 0010	140	280	3,290	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN	APPROX. LOCATION	SIGN	SIZE	NUMBER IN	APPROX. SERVICE PERIOD	* 643.0420 TRAFFIC CONTROL BARRICADES TYPE III	* 643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A	* 643.0900 TRAFFIC CONTROL SIGNS	
022	NE QUAD LAWRENCE DR INTERSECTION ON SCHEURING RD	M4-8A	24" X 18"	1	70			70	
	"	M3-1	24" X 12"	1	70			70	NORTH
	"	SPECIAL	30" X 18"	1	70			70	LAWRENCE DR
023	SE QUAD OF I-41 NB OFF RAMP ON SCHEURING RD	M3-1	24" X 24"	1	82			82	SOUTH
	"	SPECIAL	30" X 18"	1	82			82	LAWRENCE DR
	"	W20-2A	36" X 36"	1	82			82	
024	SW QUAD LAWRENCE DR INTERSECTION ON SCHEURING RD	M4-8	24" X 12"	1	82			82	
	"	M3-1	24" X 12"	1	82			82	SOUTH
	"	SPECIAL	30" X 18"	1	82			82	LAWRENCE DR
	"	M6-1	21" X 21"	1	82			82	UP
025	SW QUAD LAWRENCE DR INTERSECTION ON SCHEURING RD	M4-9L	30" X 24"	1	82	82	164	82	
026	1000' N SCHEURING RD INTERSECTION ON LAWRENCE DR	M3-1	24" X 12"	1	82			82	SOUTH
	"	SPECIAL	30" X 18"	1	82			82	LAWRENCE DR
	"	W20-2A	36" X 36"	1	82			82	
027	500' N SCHEURING RD INTERSECTION ON LAWRENCE DR	M4-8	24" X 12"	1	82			82	
	"	M3-1	24" X 12"	1	82			82	SOUTH
	"	SPECIAL	30" X 18"	1	82			82	LAWRENCE DR
	"	M4-59L	30" X 30"	1	82			82	
028	SE QUAD LAWRENCE DR INTERSECTION SCHEURING RD	M4-8	24" X 12"	1	82			82	
	"	M3-1	24" X 12"	1	82			82	SOUTH
	"	SPECIAL	30" X 18"	1	82			82	LAWRENCE DR
029	550' W AMERICAN BLVD INTERSECTION ON SCHEURING RD	M4-59R	30" X 30"	1	82			82	
030	SW QUAD AMERICAN BLVD INTERSECTION ON SCHEURING RD	M4-9R	30" X 24"	1	82			82	
031	N QUAD AMERICAN BLVD INTERSECTION ON SCHEURING RD	M3-1	24" X 12"	1	82			82	SOUTH
	"	SPECIAL	30" X 18"	1	82			82	LAWRENCE DR
	"	M4-9L	30" X 24"	1	82			82	
032	550' E AMERICAN BLVD INTERSECTION ON SCHEURING RD	M3-1	24" X 12"	1	82			82	SOUTH
	"	SPECIAL	30" X 18"	1	82			82	LAWRENCE DR
	"	M4-59L	30" X 30"	1	82			82	
033	1000' E AMERICAN BLVD INTERSECTION ON SCHEURING RD	M3-1	24" X 12"	1	82			82	SOUTH
	"	SPECIAL	30" X 18"	1	82			82	LAWRENCE DR
	"	W20-2A	36" X 36"	1	82			82	
034	250' S SCHEURING RD INTERSECTION ON AMERICAN BLVD	M4-8	24" X 12"	1	82			82	
	"	M3-1	24" X 12"	1	82			82	SOUTH
	"	SPECIAL	30" X 18"	1	82			82	LAWRENCE DR
035	550' NE FORTUNE AVE INTERSECTION ON AMERICAN BLVD	M4-8	24" X 12"	1	82			82	
	"	M3-1	24" X 12"	1	82			82	SOUTH
	"	SPECIAL	30" X 18"	1	82			82	LAWRENCE DR
	"	M6-1	21" X 21"	1	82			82	UP
036	NW QUAD FORTUNE AVE INTERSECTION ON AMERICAN BLVD	M4-8	24" X 12"	1	82			82	
	"	M3-1	24" X 12"	1	82			82	SOUTH
	"	SPECIAL	30" X 18"	1	82			82	LAWRENCE DR
	"	M6-1	21" X 21"	1	82			82	UP
					PAGE SUBTOTAL 0010	82	164	3,490	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN	APPROX. LOCATION	SIGN	SIZE	NUMBER IN	APPROX. SERVICE PERIOD	* 643.0420 TRAFFIC CONTROL BARRICADES TYPE III	* 643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A	* 643.0900 TRAFFIC CONTROL SIGNS	
037	1000' SE AMERICAN DR INTERSECTION ON FORTUNE AVE	SPECIAL	30" X 18"	1	82			82	LAWRENCE DR
	"	W20-2A	36" X 36"	1	82			82	
038	550' SE AMERICAN DR INTERSECTION ON FORTUNE AVE	M3-1	24" X 12"	1	82			82	SOUTH
	"	SPECIAL	30" X 18"	1	82			82	LAWRENCE DR
	"	M4-59L	30" X 30"	1	82			82	
039	NE QUAD AMERICAN BLVD INTERSECTION ON FORTUNE AVE	M3-1	24" X 12"	1	82			82	SOUTH
	"	SPECIAL	30" X 18"	1	82			82	LAWRENCE DR
	"	M4-9L	30" X 24"	1	82			82	
040	SW QUAD AMERICAN BLVD INTERSECTION ON FORTUNE AVE	M4-8	24" X 12"	1	82			82	
	"	M3-1	24" X 12"	1	82			82	SOUTH
	"	SPECIAL	30" X 18"	1	82			82	LAWRENCE DR
041	200' N RED MAPLE RD INTERSECTION ON AMERICAN BLVD	M4-59R	30" X 30"	1	82			82	
042	N QUAD SOUTHBRIDGE RD INTERSECTION ON AMERICAN BLVD	M4-9R	30" X 24"	1	82			82	
043	W QUAD AMERICAN BLVD INTERSECTION ON SOUTHBRIDGE ROAD	M4-8	24" X 12"	1	82			82	
	"	M3-1	24" X 12"	1	82			82	SOUTH
	"	SPECIAL	30" X 18"	1	82			82	LAWRENCE DR
044	NE QUAD LAWRENCE DR INTERSECTION ON SOUTHBRIDGE RD	M4-8A	24" X 18"	1	82			82	
	"	M3-1	24" X 12"	1	82			82	
	"	SPECIAL	30" X 18"	1	82			82	LAWRENCE DR
050	PRESERVE TRAIL HEAD-INNOVATION CT	SPECIAL	30" X 15"	1	82			82	'TRAIL DETOUR AT LAWRENCE DR FOR ROAD WORK'
051	PRESERVE TRAIL CROSSING W AMERICAN AVE	SPECIAL	30" X 15"	1	82			82	'TRAIL DETOUR AT LAWRENCE DR FOR ROAD WORK'
					PAGE SUBTOTAL 0010	0	0	1,722	
					TOTAL 0010	222	444	8,502	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

TRAFFIC CONTROL

	* 643.0300 DRUMS		* 643.0420 BARRICADES TYPE III		* 643.0705 WARNING LIGHTS TYPE A		* 643.0715 WARNING LIGHTS TYPE C		* 643.0800 ARROW BOARDS		* 643.0900 SIGNS		* 643.1050 SIGNS PCMS	
STAGE	EACH	DAY	EACH	DAY	EACH	DAY	EACH	DAY	EACH	DAY	EACH	DAY	EACH	DAY
STAGE 1	165	11550	11	770	10	700	6	420	1	70	59	4130	2	14
STAGE 2	190	15580	22	1804	26	2132	0	0	0	0	55	4510	2	14
TOTAL 0010		27,130		2,574		2,832		420		70		8,640		28

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

3

TEMPORARY PEDESTRIAN ACCESS

STATION	TO	STATION	LOCATION	* 643.0900 TRAFFIC CONTROL SIGNS EACH	DAY	* 643.3150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH LF	644.1410 TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	** 644.1601 TEMPORARY PEDESTRIAN CURB RAMP DAY	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF	REMARKS
76+58.74	-	76+58.74	LAWRENCE DR	4	308	94	242	231	42	STAGE 1 - BEGINNING OF PROJECT
76+58.74	-	82+09	LAWRENCE DR, RT	1	77				541	STAGE 1
81+61	-	81+71	LAWRENCE DR, LT	1	77					STAGE 1 - EMPLOYERS BLVD
81+71	-	83+60	LAWRENCE DR, RT			169	840	308	634	STAGE 1 - FORTUNE AVE
83+60	-	89+42	LAWRENCE DR, RT	2	154				613	STAGE 1
94+23	-	94+23	LAWRENCE DR	1	77					STAGE 1 - PRESERVE TRAIL CROSSING
94+68	-	104+38	LAWRENCE DR, RT						925	STAGE 1
106+05	-	106+05	LAWRENCE DR	4	328					STAGE 1 - END OF PROJECT
76+58.74	-	76+58.74	LAWRENCE DR	5	410			246	29	STAGE 2A - BEGINNING OF PROJECT
76+58.74	-	82+68	LAWRENCE DR, LT	1	82				448	STAGE 2A
82+09	-	83+25	LAWRENCE DR, RT	1	82				42	STAGE 2A - FORTUNE AVE
83+86	-	102+92	LAWRENCE DR, LT	3	246				1,779	STAGE 2A
93+60	-	95+03	LAWRENCE DR, RT	3	246				163	STAGE 2A - PRESERVE TRAIL CROSSING
106+05	-	106+05	LAWRENCE DR	3	246					STAGE 2A - END OF PROJECT
76+58.74	-	76+58.74	LAWRENCE DR	4	328			246		STAGE 2B - BEGINNING OF PROJECT
82+09	-	83+25	LAWRENCE DR, RT	1	82				42	STAGE 2B - FORTUNE AVE
81+61	-	81+61	LAWRENCE DR, LT	1	82					STAGE 2B - EMPLOYERS BLVD
94+23	-	94+23	LAWRENCE DR	4	328					STAGE 2B - PRESERVE TRAIL CROSSING
99+83	-	99+83	LAWRENCE DR, RT	1	82					STAGE 2B
106+05	-	106+05	LAWRENCE DR	4	328					STAGE 2B - END OF PROJECT
			TOTAL 0010		3,563	263	1,082	1,031	5,258	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

**ITEM INCLUDES TEMPORARY PEDESTRIAN CURB RAMP TYPE 3 AND TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB. SEE PEDESTRIAN DETOUR PLANS FOR DETAILS

MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH

STATION	TO	STATION	LOCATION	646.7520 LF	REMARKS
94+18	-	94+27	LAWRENCE DR	40	NORTHBOUND LANE
94+18	-	94+27	LAWRENCE DR	40	SOUTHBOUND LANE
			TOTAL 0010	80	

3

MARKING LINE EPOXY 4-INCH

646.1020

STATION	TO	STATION	OFFSET	LOCATION	WHITE SOLID LF	YELLOW SOLID LF	REMARKS
76+58.74	-	78+69	R/L	LAWRENCE DR		262	QUANTITY INCLUDES 12.5' SKIPS
76+58.74	-	78+69	LT	LAWRENCE DR		262	QUANTITY INCLUDES 12.5' SKIPS
78+69	-	79+60	R/L	LAWRENCE DR		182	DOUBLE YELLOW
78+69	-	79+60	LT	LAWRENCE DR		183	DOUBLE YELLOW
79+60	-	81+75	LT	LAWRENCE DR		431	DOUBLE YELLOW
76+58.74	-	81+75	RT	LAWRENCE DR	478		QUANTITY INCLUDES 3' SKIPS
76+58.74	-	81+75	LT	LAWRENCE DR	517		
83+46	-	86+74	R/L	LAWRENCE DR		640	DOUBLE YELLOW
86+74	-	87+54	R/L	LAWRENCE DR		168	DOUBLE YELLOW
86+70	-	87+54	LT	LAWRENCE DR		169	DOUBLE YELLOW
87+54	-	101+19	R/L	LAWRENCE DR		1,654	QUANTITY INCLUDES 12.5' SKIPS
87+54	-	101+19	LT	LAWRENCE DR		1,645	QUANTITY INCLUDES 12.5' SKIPS
83+46	-	105+75	RT	LAWRENCE DR	2,138		QUANTITY INCLUDES 3' SKIPS
83+46	-	102+23	LT	LAWRENCE DR	1,770		QUANTITY INCLUDES 3' SKIPS
102+40	-	104+55	LT	LAWRENCE DR		63	12.5' SKIPS
102+40	-	103+50	RT	LAWRENCE DR		63	12.5' SKIPS
					4,903	5,721	
				TOTAL 0010	10,624		

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

646.7420

STATION	TO	STATION	LOCATION	LF	REMARKS
81+76	-	81+76	LAWRENCE DR	56	SOUTH X-WALK
81+81	-	81+81	LAWRENCE DR	68	SOUTH X-WALK
81+88	-	82+36	LAWRENCE DR, LT	53	WEST X-WALK, EMPLOYERS BLVD
81+89	-	82+36	LAWRENCE DR, LT	48	WEST X-WALK, EMPLOYERS BLVD
82+04	-	82+50	LAWRENCE DR, RT	48	EAST X-WALK, FORTUNE AVE
82+06	-	82+49	LAWRENCE DR, RT	44	EAST X-WALK, FORTUNE AVE
82+72	-	83+05	LAWRENCE DR, LT	31	WEST X-WALK, EMPLOYERS BLVD
82+72	-	83+05	LAWRENCE DR, LT	33	WEST X-WALK, EMPLOYERS BLVD
82+72	-	83+31	LAWRENCE DR, RT	60	EAST X-WALK, FORTUNE AVE
82+72	-	83+31	LAWRENCE DR, RT	53	EAST X-WALK, FORTUNE AVE
83+42	-	83+51	LAWRENCE DR, LT	19	WEST X-WALK, EMPLOYERS BLVD, RIGHT TURN LANE
83+42	-	83+51	LAWRENCE DR, LT	19	WEST X-WALK, EMPLOYERS BLVD, RIGHT TURN LANE
94+18	-	94+18	LAWRENCE DR, RT	16	SOUTHBOUND LAWRENCE, MEDIAN REFUGE ISLAND
94+18	-	94+18	LAWRENCE DR, LT	16	NORTHBOUND LAWRENCE, MEDIAN REFUGE ISLAND
94+27	-	94+27	LAWRENCE DR, LT	16	SOUTHBOUND LAWRENCE, MEDIAN REFUGE ISLAND
94+27	-	94+27	LAWRENCE DR, RT	16	NORTHBOUND LAWRENCE, MEDIAN REFUGE ISLAND
			TOTAL 0010	596	

MARKING LINE EPOXY 8-INCH

646.3020

STATION	TO	STATION	LOCATION	LF	REMARKS
79+67	-	81+68	LAWRENCE DR	202	LEFT TURN LANE
83+22	-	87+02	LAWRENCE DR	273	RIGHT TURN LANE, QUANTITY INCLUDES 3' SKIPS
83+22	-	86+02	LAWRENCE DR	278	LEFT TURN LANE
			TOTAL 0010	753	

MARKING WORD EPOXY

646.5120

STATION	TO	STATION	LOCATION	BIKE EACH	LANE EACH	ENDS EACH	ONLY EACH
81+10	-	81+18	LAWRENCE DR				1
83+99	-	84+07	LAWRENCE DR				1
103+59	-	103+65	LAWRENCE DR	1			
103+68	-	103+74	LAWRENCE DR		1		
103+77	-	103+83	LAWRENCE DR			1	
				1	1	1	2
			TOTAL 0010		5		

MARKING CURB EPOXY

646.8120

STATION	TO	STATION	LOCATION	LF	REMARKS
94+02	-	94+17	LAWRENCE DR	34	REFUGE ISLAND
94+27	-	94+44	LAWRENCE DR	38	REFUGE ISLAND
			TOTAL 0010	72	

3

MARKING ARROW EPOXY

STATION	TO	STATION	LOCATION	646.5020 WHITE, BIKE LANE EACH	646.5020 WHITE TYPE 2 EACH
76+90	-	76+96	LAWRENCE DR, RT	1	
77+29	-	77+35	LAWRENCE DR, LT	1	
78+10	-	78+18	LAWRENCE DR, CL		1
78+30	-	78+38	LAWRENCE DR, CL		1
79+86	-	79+94	LAWRENCE DR, CL		1
81+18	-	81+24	LAWRENCE DR, RT	1	
81+29	-	81+36	LAWRENCE DR, LT	1	
81+45	-	81+53	LAWRENCE DR, CL		1
83+68	-	83+76	LAWRENCE DR, CL		1
84+02	-	84+08	LAWRENCE DR, RT	1	
85+23	-	85+30	LAWRENCE DR,LT	1	
85+72	-	85+81	LAWRENCE DR,CL		1
86+37	-	86+42	LAWRENCE DR, RT	1	
88+49	-	88+57	LAWRENCE DR, CL		1
88+69	-	88+77	LAWRENCE DR, CL		1
90+15	-	90+21	LAWRENCE DR, LT	1	
90+26	-	90+32	LAWRENCE DR, RT	1	
92+49	-	92+57	LAWRENCE DR,CL		1
92+69	-	92+77	LAWRENCE DR, CL		1
93+91	-	93+97	LAWRENCE DR,LT	1	
94+02	-	94+08	LAWRENCE DR, RT	1	
96+07	-	96+15	LAWRENCE DR, CL		1
96+23	-	96+29	LAWRENCE DR, LT	1	
96+27	-	96+35	LAWRENCE DR, CL		1
96+34	-	96+40	LAWRENCE DR, RT	1	
98+55	-	98+62	LAWRENCE DR, LT	1	
100+07	-	100+15	LAWRENCE DR, CL		1
100+27	-	100+35	LAWRENCE DR, CL		1
100+46	-	100+53	LAWRENCE DR, RT	1	
101+76	-	101+82	LAWRENCE DR, LT	1	
				16	14
			TOTAL 0010		30

MARKING SYMBOL EPOXY

STATION	TO	STATION	LOCATION	646.5220 BIKE LANE SYMBOL EACH
76+77	-	76+83	LAWRENCE DR, RT	1
77+42	-	77+48	LAWRENCE DR, LT	1
81+06	-	81+12	LAWRENCE DR, RT	1
81+42	-	81+48	LAWRENCE DR, LT	1
83+89	-	83+95	LAWRENCE DR, RT	1
85+36	-	85+43	LAWRENCE DR, LT	1
86+25	-	86+31	LAWRENCE DR, RT	1
90+14	-	90+20	LAWRENCE DR, RT	1
90+27	-	90+33	LAWRENCE DR, LT	1
93+90	-	93+96	LAWRENCE DR, RT	1
94+03	-	94+09	LAWRENCE DR, LT	1
96+21	-	96+28	LAWRENCE DR, RT	1
96+35	-	96+41	LAWRENCE DR, LT	1
98+68	-	98+74	LAWRENCE DR, LT	1
100+34	-	100+40	LAWRENCE DR, RT	1
101+88	-	101+94	LAWRENCE DR, LT	1
			TOTAL 0010	16

MARKING YIELD LINE EPOXY 18-INCH

STATION	TO	STATION	LOCATION	646.6220 EACH
93+88	-	93+90	LAWRENCE DR	5
94+62	-	94+64	LAWRENCE DR	5
			TOTAL 0010	10

MARKING STOP LINE EPOXY 12-INCH

STATION	TO	STATION	LOCATION	646.6020 LF	REMARKS
81+70	-	81+70	LAWRENCE DR	29	
81+92	-	82+32	LAWRENCE DR, LT	39	EMPLOYERS BLVD
82+76	-	83+24	LAWRENCE DR, RT	48	FORTUNE AVE
83+22	-	83+22	LAWRENCE DR	17	
83+46	-	83+46	LAWRENCE DR	12	
			TOTAL 0010	145	

MARKING ISLAND NOSE EPOXY

STATION	TO	STATION	LOCATION	646.8220 EACH	REMARKS
83+63	-	83+74	LAWRENCE DR	1	N PORKCHOP ISLAND AT EMPLOYERS BLVD
101+05	-	101+10	LAWRENCE DR	1	MEDIAN
			TOTAL 0010	1	

3

CONSTRUCTION STAKING

LOCATION	650.4500 SUBGRADE LF	650.7000 CONCRETE PAVEMENT LF	650.8501.01 ELECTRICAL INSTALLATIONS (PROJECT) (01. 4985-00-62) EACH	650.9000 CURB RAMPS EACH	650.9500.01 SIDEWALK (PROJECT) (01. 4985-00-62) EACH	650.9911.01 SUPPLEMENTAL CONTROL (PROJECT) (01. 4985-00-62) EACH	650.9920 SLOPE STAKES LF	REMARKS
LAWRENCE DR	2608	2608	1	8	1	1	2608	STAGE 1
LAWRENCE DR	2603	2603		11			2603	STAGES 2A & 2B
TOTAL 0010	5,211	5,211	1	19	1	1	5,211	

ADJUSTING WATER SERVICE CURB STOPS

STATION	LOCATION	SPV.0060.03 EACH
83+51	LAWRENCE DR, 29' RT	1
95+64	LAWRENCE DR, 26' RT	1
99+57	LAWRENCE DR, 25' RT	1
TOTAL 0020		3

RECTANGULAR RAPID FLASHING BEACON

STATION	OFFSET	LOCATION	654.0101 CONCRETE BASES TYPE 1 EACH	657.0100 PEDESTAL BASES EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	658.0500 PEDESTRIAN PUSH BUTTONS EACH	SPV.0060.06 SPECIAL (06. RECTANGULAR RAPID FLASHING BEACON (RRFB) SYSTEM (STA 94+17, 24' RIGHT) EACH	SPV.0060.07 SPECIAL (07. RECTANGULAR RAPID FLASHING BEACON (RRFB) SYSTEM (STA 94+29, 7' LEFT) EACH	SPV.0060.08 SPECIAL (08. RECTANGULAR RAPID FLASHING BEACON (RRFB) SYSTEM (STA 94+29, 40' LEFT) EACH
94+17	24'	RT	1	1	1	1	1		
94+29	7'	LT	1	1	1	1		1	
94+29	40'	LT	1	1	1	1			1
		TOTAL 0010	3	3	3	3	1	1	1

TELEVISING STORM SEWER

STRUCTURE FROM	STRUCTURE TO	LOCATION	SPV.0090.01 LF	REMARKS
1	17	LAWRENCE DR	2,589	TRUNK LINE
1A	1	LAWRENCE DR	49	
2A	2	LAWRENCE DR	47	
2C	2D	LAWRENCE DR	163	
2E	2B	LAWRENCE DR	58	
9A	9	LAWRENCE DR	49	
9C	10A	LAWRENCE DR	185	
11A	11	LAWRENCE DR	50	
15C	15D	LAWRENCE DR	95	
15A	15	LAWRENCE DR	49	
15E	15B	LAWRENCE DR	42	
16A	16	LAWRENCE DR	6	
17D	17	LAWRENCE DR	76	
17A	17E	LAWRENCE DR	268	
		TOTAL 0010	3,726	

ADJUSTING WATER VALVE BOXES

STATION	STATION	LOCATION	SPV.0060.04 EACH
83+30	27'	LAWRENCE DR, RT	1
83+35	29'	LAWRENCE DR, RT	1
		TOTAL 0020	2

REMOVE AND TEMPORARY RELOCATE MAILBOX

STATION	LOCATION	SPV.0060.10 SPECIAL (10.) EACH	REMARKS
77+93	LAWRENCE, RT	1	MAILBOX #2001A, REMOVE AND RELOCATE IN STAGE 1
77+93	LAWRENCE, RT	1	MAILBOX #2001B,REMOVE AND RELOCATE IN STAGE 1
77+93	LAWRENCE, RT	1	MAILBOX #2001, REMOVE AND RELOCATE IN STAGE 1
77+93	LAWRENCE, RT	1	MAILBOX #2001C, REMOVE AND RELOCATE IN STAGE 1
93+10	LAWRENCE, RT	1	MAILBOX #1801, REMOVE AND RELOCATE IN STAGE 1
93+80	LAWRENCE, LT	1	MAILBOX #1800, REMOVE AND RELOCATE IN STAGE 2
	TOTAL 0020	6	

PULL BOXES

PULL BOX NO.	LOCATION^	653.0164 PULL BOXES NON-CONDUCTIVE 24x42-INCH EACH
LPB100	79+51'SB' 20.2' LT	1
LPB101	81+50'SB' 19.4' LT	1
LPB102	83+48'SB' 27.2' LT	1
LPB103	83+52'SB' 57.5' LT	1
LPB104	84+87'SB' 33.5' LT	1
LPB105	84+87'NB' 20.6' RT	1
LPB106	94+05'SB' 20.4' LT	1
	TOTAL 0010	**7**

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

REMOVING CONCRETE BASES AND STREET LIGHTS

LIGHT BASE NO.	204.0195 REMOVING CONCRETE BASES EACH	204.9060.S REMOVING STREET LIGHT POLES EACH	659.5000.S LAMP, BALLAST, LED, SWITCH DISPOSAL BY CONTRACTOR EACH
EXSL100	1	1	1
EXSL101	1	1	1
EXSL102	1	1	1
EXSL103	1	1	1
EXSL104	1	1	1
EXSL105	1	1	1
EXSL106	1	1	1
EXSL107	1	1	1
EXSL108	1	1	1
EXSL109	1	1	1
EXSL110	1	1	1
EXSL111	1	1	1
EXSL112	1	1	1
EXSL113	1	1	1
EXSL114	1	1	1
EXSL115	1	1	1
EXSL116	1	1	1
TOTAL 0010	**17**	**17**	**17**

LIGHTING CONDUIT AND WIRE

FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	652.0335 CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH L.F.	652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH	655.0620 ELECTRICAL WIRE LIGHTING 8 AWG L.F.	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG L.F.	655.0630 ELECTRICAL WIRE LIGHTING 4 AWG L.F.	655.0635 ELECTRICAL WIRE LIGHTING 2 AWG L.F.
LP100	LPB100	190	--	--	--	418	209	--
LPB100	LP101	--	50	--	--	110	55	--
LPB100	LPB101	195	--	--	--	429	215	--
LPB101	LPB102	--	195	--	--	429	215	--
LPB102	LPB103	--	30	--	--	66	33	--
LPB103	LCB-1	10	--	--	--	66	11	--
LCB-1	SCB-1	10	--	1	11	--	--	33
LPB103	LPB104	135	--	--	--	594	149	--
LPB104	LPB105	--	60	--	--	132	66	--
LPB104	LP102	15	--	--	--	33	17	--
LPB105	LP103	165	--	--	--	363	182	--
LP102	LP104	260	--	--	--	572	286	--
LP103	LP105	290	--	--	--	638	319	--
LP104	LP106	310	--	--	--	682	341	--
LP105	LP107	345	--	--	--	759	380	--
LP106	LPB106	310	--	--	--	682	341	--
LPB106	LP108	35	--	--	--	77	39	--
LP107	LP109	320	--	--	--	704	352	--
LP108	LP110	305	--	--	--	671	336	--
LP109	LP111	305	--	--	--	671	336	--
LP110	LP112	310	--	--	--	682	341	--
LP111	LP113	345	--	--	--	759	380	--
LP112	LP114	195	--	--	--	429	215	--
LP114	LP116	165	--	--	--	363	182	--
LP113	LP115	170	--	--	--	374	187	--
	TOTAL 0010	**4385**	**335**	**1***	**11**	**10703**	**5187**	**33**

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CONDUIT

FROM	TO	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH
PB-1	PB-2	110	1
PB-2	SB-3	140	1
SB-3	PB-3	140	1
PB-3	PB-4	120	1
PB-4	PB-5	100	1
PB-5	PB-6	120	1
PB-6	PB-7	190	1
PB-7	PB-8	110	2
	TOTAL 0010	**1030**	**9***

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING PULL BOXES

PULL BOX NO.	653.0905 REMOVING PULL BOXES EACH
EXPB100	1
EXPB101	1
TOTAL 0010	**2**

3

CABINETS, BASES, POLES, ARMS, LUMINAIRES AND WIRE

LIGHT BASE NO.	LOCATION^	654.0105 CONCRETE BASES TYPE 5 EACH	654.0224 CONCRETE CONTROL CABINET BASES TYPE L24 EACH	655.061 ELECTRICAL WIRE LIGHTING 12 AWG L.F.	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE ANODIZED BLACK EACH	657.0322 POLES TYPE 5 ALUMINUM ANODIZED BLACK EACH	657.0615 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 8-FT ANODIZED BLACK EACH	659.1130 LUMINAIRES UTILITY LED D EACH	659.2124 LIGHTING CONTROL CABINETS 120/240 24-INCH EACH
LP100	77+60'SB' 18.6' LT	1	--	123	1	1	1	1	--
LP101	79+50'NB' 18.5' RT	1	--	123	1	1	1	1	--
LP102	85+04'SB' 29.7' LT	1	--	123	1	1	1	1	--
LP103	86+45'NB' 18.7' RT	1	--	123	1	1	1	1	--
LP104	87+78'SB' 18.7' LT	1	--	123	1	1	1	1	--
LP105	89+25'NB' 18.7' RT	1	--	123	1	1	1	1	--
LP106	90+97'SB' 18.7' LT	1	--	123	1	1	1	1	--
LP107	92+70'NB' 18.7' RT	1	--	123	1	1	1	1	--
LP108	94+40'SB' 18.7' LT	1	--	123	1	1	1	1	--
LP109	95+91'NB' 18.7' RT	1	--	123	1	1	1	1	--
LP110	97+43'SB' 18.7' LT	1	--	123	1	1	1	1	--
LP111	98+95'NB' 18.7' RT	1	--	123	1	1	1	1	--
LP112	100+50'SB' 18.7' LT	1	--	123	1	1	1	1	--
LP113	102+41'NB' 28.5' RT	1	--	123	1	1	1	1	--
LP114	102+40'SB' 31.1' LT	1	--	123	1	1	1	1	--
LP115	104+09'SB' 29.7' RT	1	--	123	1	1	1	1	--
LP116	104+51'SB' 41.7' LT	1	--	123	1	1	1	1	--
LCB-1	83+57'SB' 67.8' LT	--	1		--	--	--		1
	TOTAL 0010	**17**	**1**	**2091**	**17**	**17**	**17**	**17**	**1**

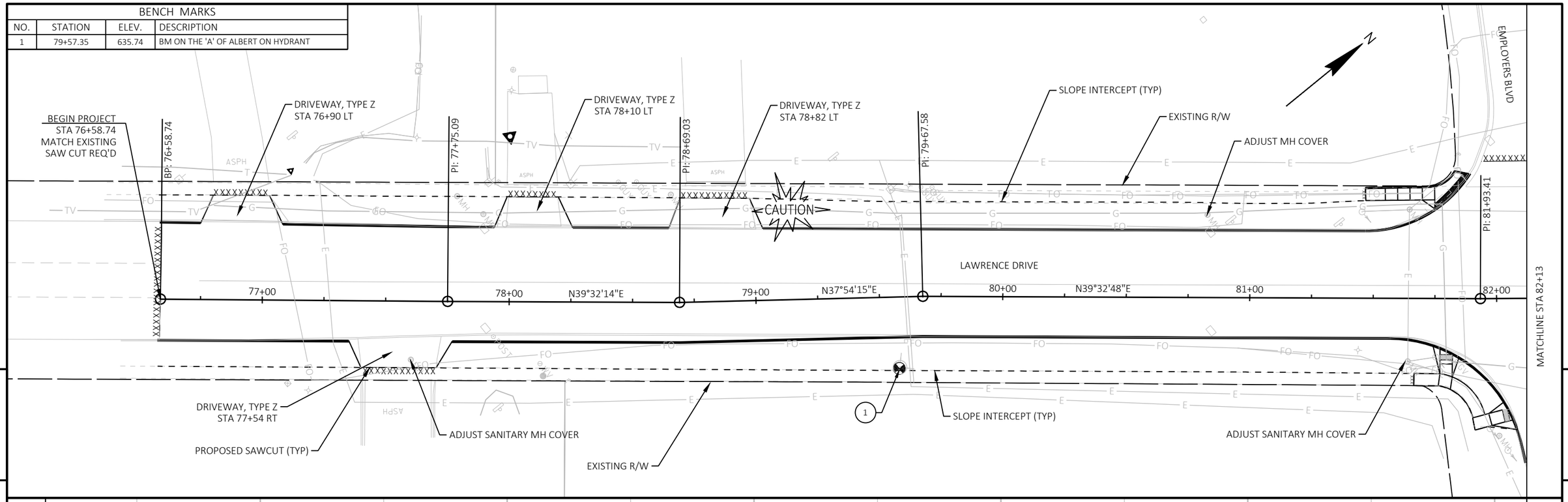
^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

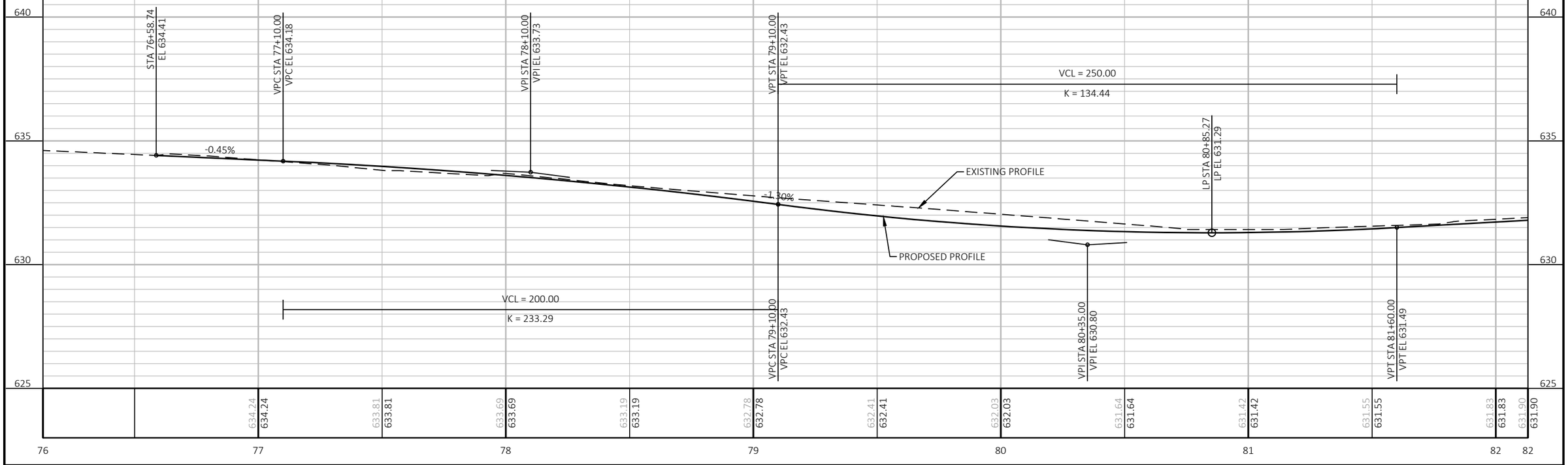
DE-ENERGIZE AND STAGE TRAFFIC SIGNALS

LOCATION	SPV.0060.09 DE-ENERGIZE AND STAGE TRAFFIC SIGNALS EACH
LAWRENCE DR & FORTUNE AVE/EMPLOYERS BLVD	1
TOTAL 0010	**1**

3

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
1	79+57.35	635.74	BM ON THE 'A' OF ALBERT ON HYDRANT





PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	PLAN AND PROFILE: LAWRENCE DRIVE	SHEET 125	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\050100_PP.DWG
LAYOUT NAME - 050101_pp

PLOT DATE : 12/6/2023 3:48 PM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

MATCHLINE STA 82+13

EMPLOYERS BLVD

ADJUST MH COVER

CAUTION

REMOVE STREET LIGHT POLE

SLOPE INTERCEPT (TYP)

EXISTING R/W

MATCHLINE STA 88+13

N38°59'29"E

83+00

PI: 83+22.34

84+00

N39°32'14"E

85+00

PC: 85+11.05

ADJUST WATER VALVE BOXES

ADJUST SANITARY MH COVER

REMOVE STREET LIGHT POLE

88+00

87+00

86+00

CAUTION

ADJUST WATER SERVICE CURB STOPS

EXISTING R/W

SLOPE INTERCEPT (TYP)

ADJUST MANHOLE COVER WITH RUBBER RINGS

REMOVE STREET LIGHT POLE

FORTUNE AVENUE

SAWING CONCRETE (TYP)

PI STA = 86+71.06
Y = 534606.211
X = 75836.108
DELTA = 41°15'47" LT
D = 13°28'53"
T = 160.01'
L = 306.07'
R = 425.00'
PC STA = 85+11.05
PT STA = 88+17.12

5

5

640

635

630

625

VPC STA 82+75.00
VPC EL 632.13

VPI STA 83+75.00
VPI EL 632.69

VPT STA 84+75.00
VPT EL 632.17

VCL = 295.00

K = 286.18

PROPOSED PROFILE

LP STA 87+82.65
LP EL 630.94

0.56%

-0.52%

HP STA 83+77.89
HP EL 632.42

EXISTING PROFILE

VPC STA 86+32.50
VPC EL 631.34

VPI STA 87+80.00
VPI EL 630.56

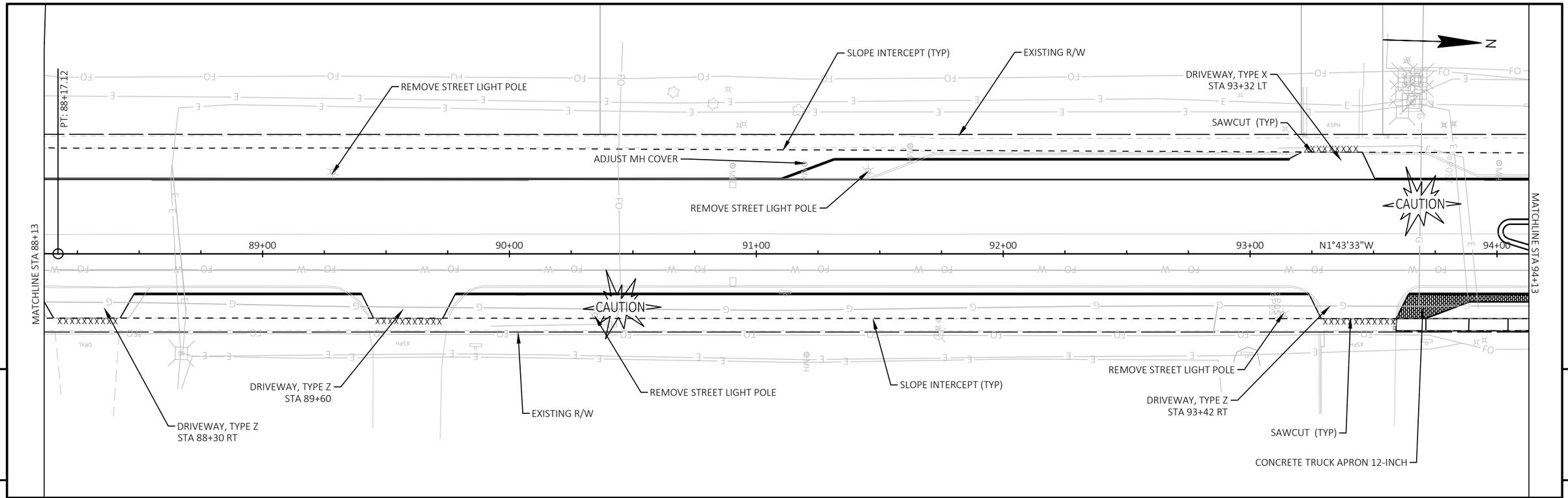
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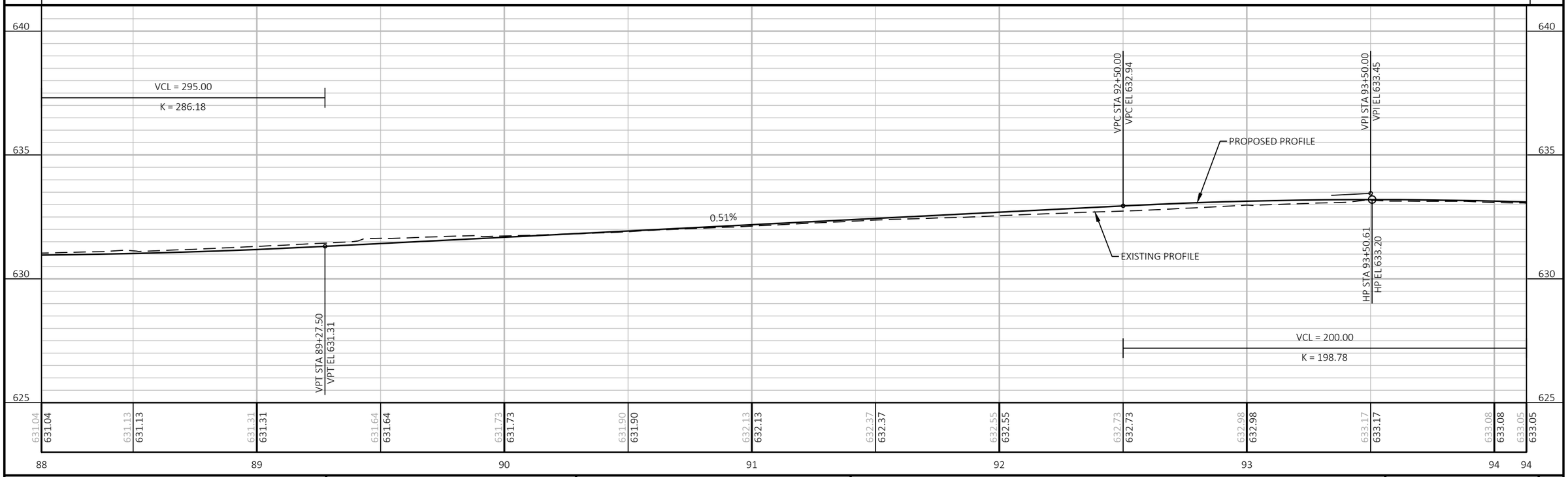
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82 83 84 85 86 87 88 88

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	PLAN AND PROFILE: LAWRENCE DRIVE	SHEET 126	E





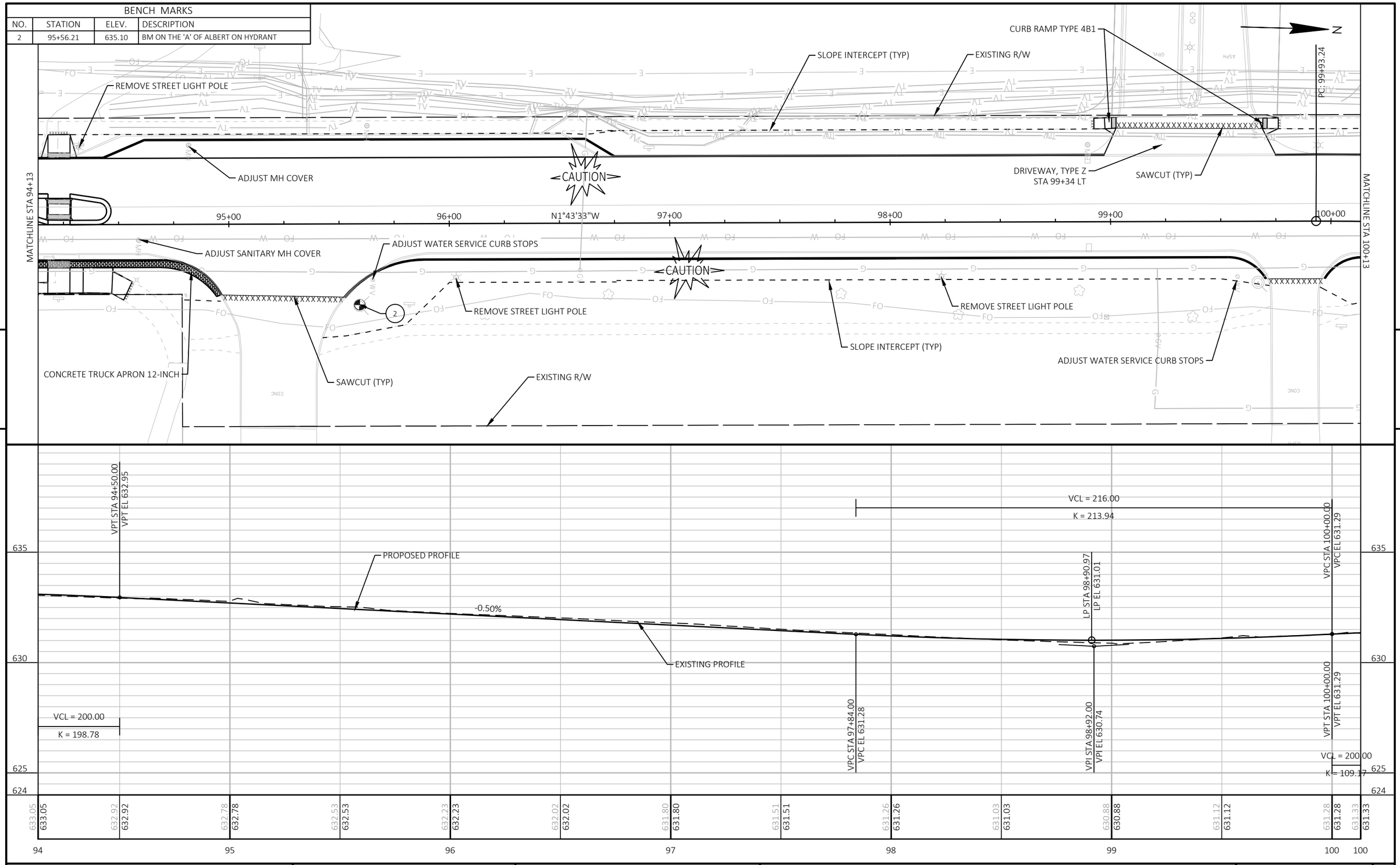
PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	PLAN AND PROFILE: LAWRENCE DRIVE	SHEET 127	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\050100_PP.DWG
LAYOUT NAME - 050103_pp

PLOT DATE : 12/6/2023 3:49 PM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
2	95+56.21	635.10	BM ON THE 'A' OF ALBERT ON HYDRANT

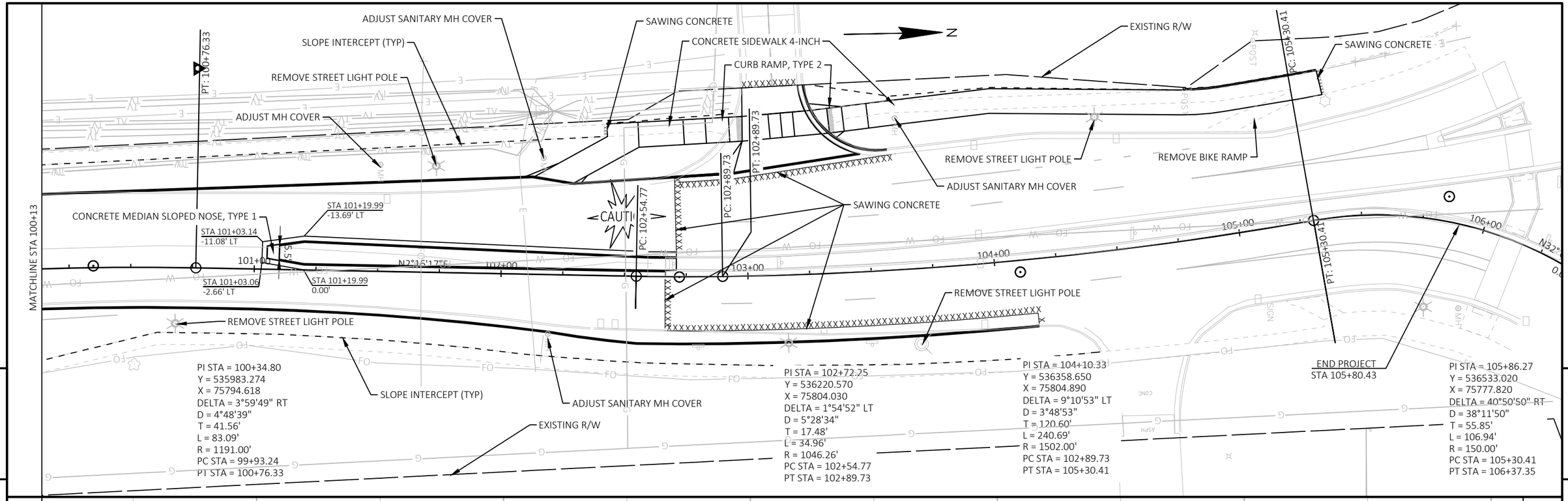


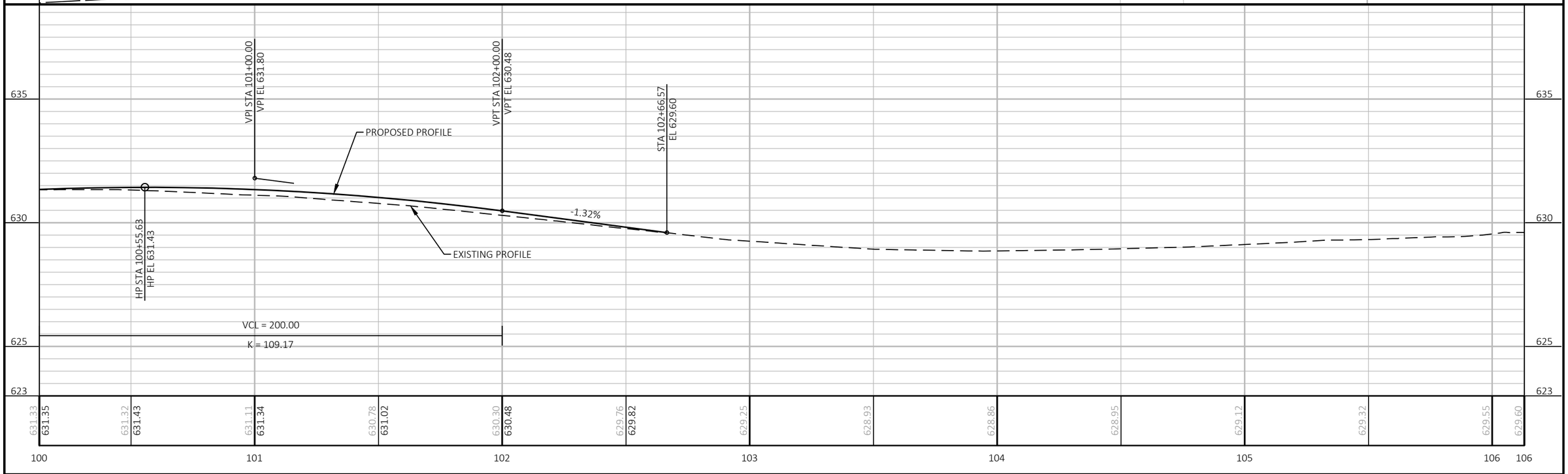
PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	PLAN AND PROFILE: LAWRENCE DRIVE	SHEET 128	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\050100_PP.DWG
LAYOUT NAME - 050104_pp

PLOT DATE : 12/6/2023 3:49 PM PLOT BY : VERONIKA BYRA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	PLAN AND PROFILE: LAWRENCE DRIVE	SHEET 129	E

Standard Detail Drawing List

08A05-20A	INLET COVERS TYPE A, H, A-S, H-S & Z
08B09-03	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08D01-23A	CONCRETE CURB & GUTTER
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-21A	CURB RAMPS TYPES 1 AND 1-A
08D05-21B	CURB RAMPS TYPES 2 AND 3
08D05-21C	CURB RAMPS TYPES 4A AND 4A1
08D05-21D	CURB RAMPS TYPE 4B AND 4B1
08D05-21E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-21F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-21G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D18-04	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08D19-04	DRIVEWAY AND SIDEWALK RAMPS TYPE Z
08D20-01	DRIVEWAYS WITH CURB & GUTTER RETURNS
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B16-02	PULL BOX NON-CONDUCTIVE
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C14-03	CONCRETE CONTROL CABINET BASE, TYPE L
09D04-03	LIGHTING CONTROL CABINET 120/240 VOLT
09E01-15D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E07-06	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
11B02-02	CONCRETE MEDIAN NOSE
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-11	URBAN DOWELED CONCRETE PAVEMENT
13C18-08A	CONCRETE PAVEMENT JOINTING
13C18-08B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-08C	CONCRETE PAVEMENT JOINT TYPES
13C18-08D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
13C18-08F	CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-09C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C07-15E	PAVEMENT MARKING FOR BIKE LANES
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C08-23C	PAVEMENT MARKING (TURN LANES)
15C08-23D	PAVEMENT MARKING (TURN LANES)
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-08A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C18-08B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C18-08C	MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT
15C20-02	YIELD MARKING
15C29-08A	BICYCLE LANE MARKING
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D12-11A	TRAFFIC CONTROL, LANE CLOSURE
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D30-09A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09L	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING

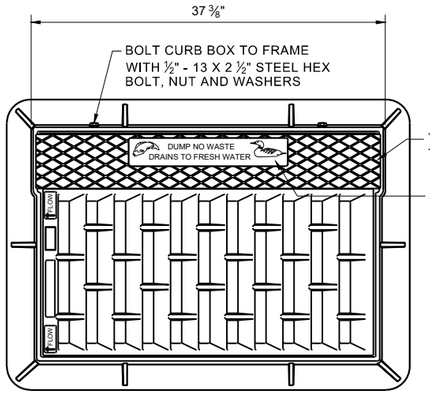
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Standard Detail Drawing List

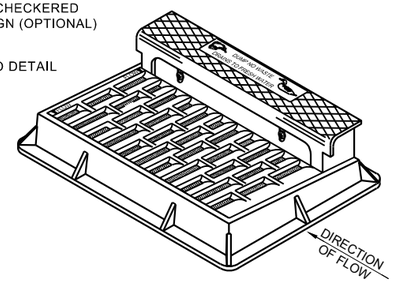
15D46-01 TRAFFIC CONTROL, ONE - WAY SIGNING

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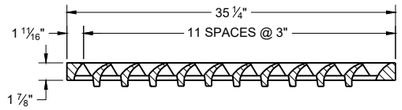
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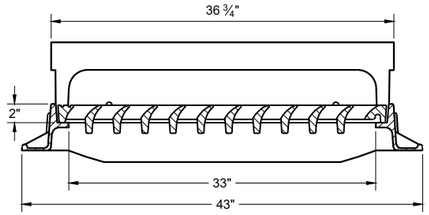


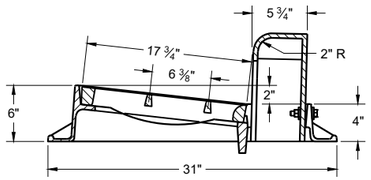
NOTE: EITHER CASTING IS ACCEPTABLE

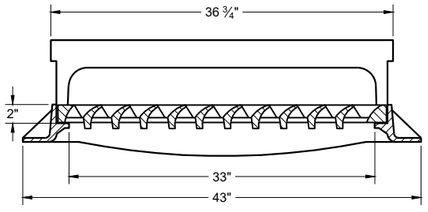


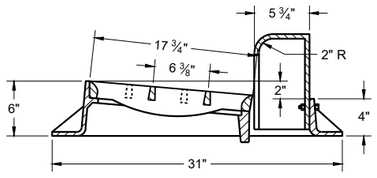
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







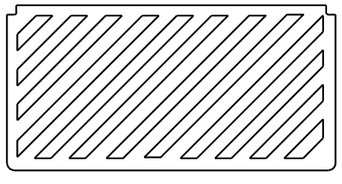




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

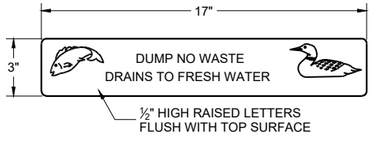
1 ⅛" DIAGONAL BARS WITH 1 ⅝" OPENINGS



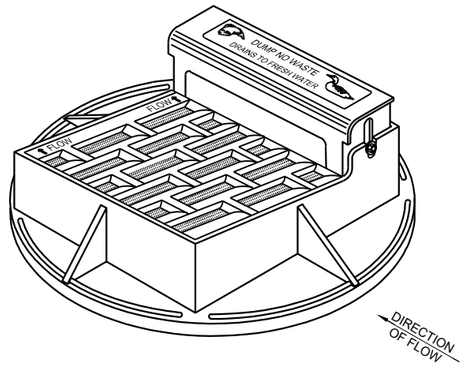
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35" X 17 ¾" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

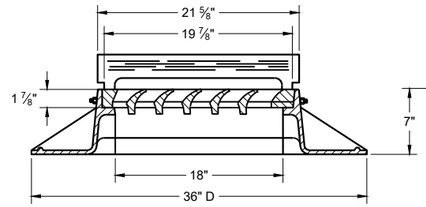


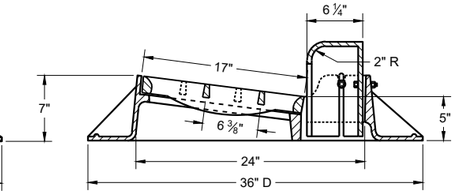
LOGO DETAIL



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

NOTE: EITHER CASTING IS ACCEPTABLE





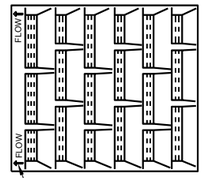
TYPE "A"

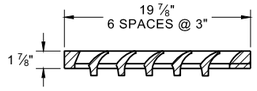
GENERAL NOTES

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

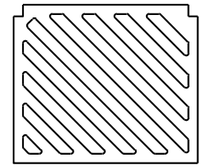
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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





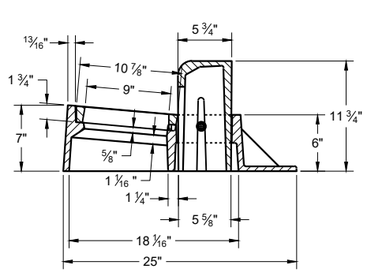
1" DIAGONAL BARS WITH 1 ½" OPENINGS



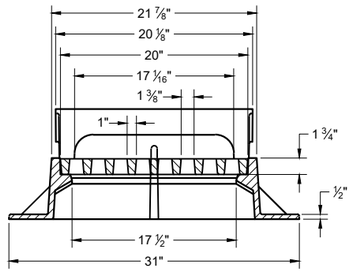
SPECIAL GRATE FOR TYPE "A" COVER

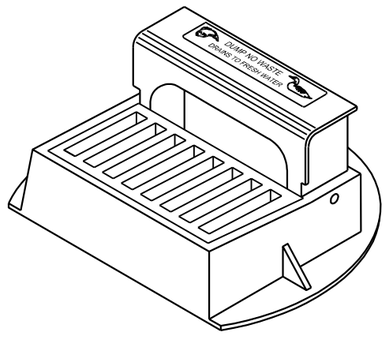
(MEASURES 19 ¾" X 17" X 1 ⅞")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "Z"





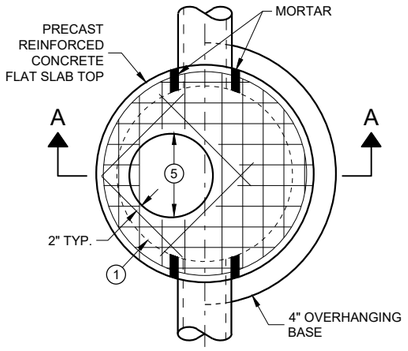
INLET COVERS
TYPES A, H, A-S, H-S AND Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

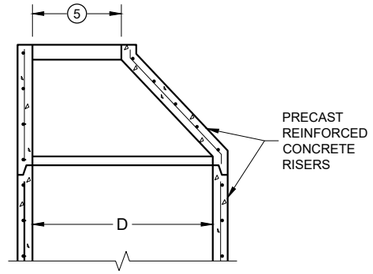
APPROVED
July 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

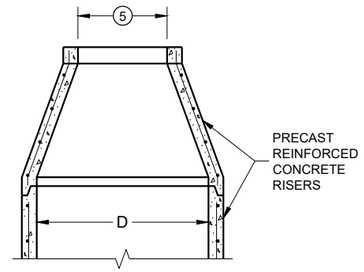
FHWA



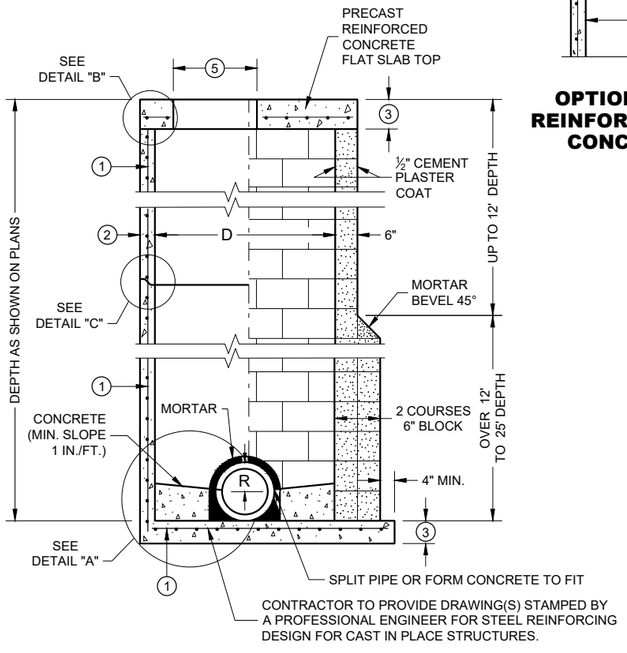
PLAN VIEW
CIRCULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

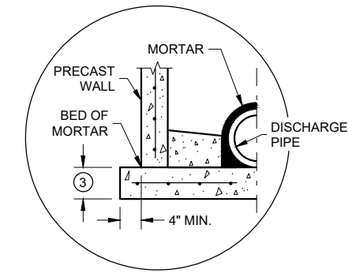
MANHOLE COVER OPENING MATRIX

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

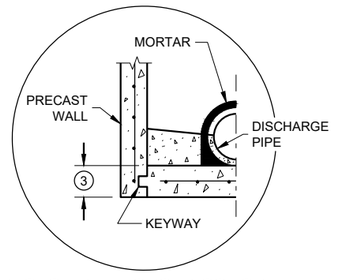
PIPE MATRIX

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

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

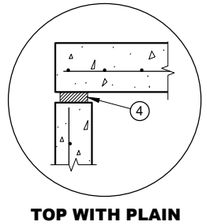


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

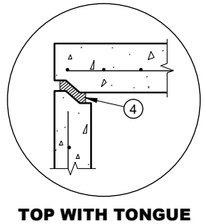


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

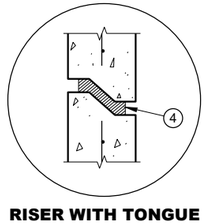
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

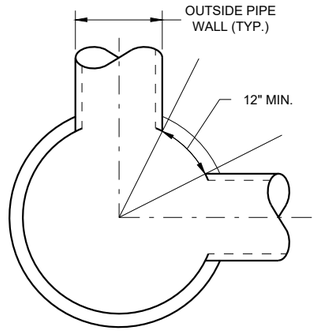
(1) FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

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

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

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

(5) SEE MANHOLE COVER OPENING MATRIX.



MINIMUM HORIZONTAL PIPE SEPARATION

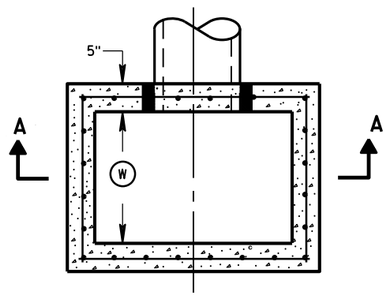
MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

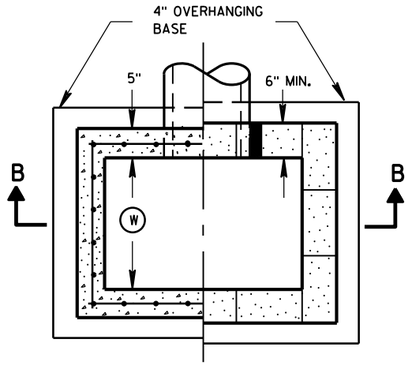
APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

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

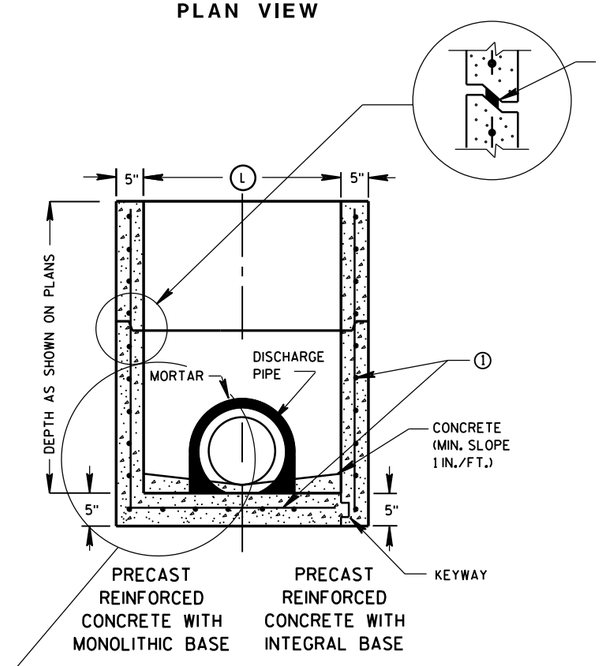
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SDD 08B09 - 03



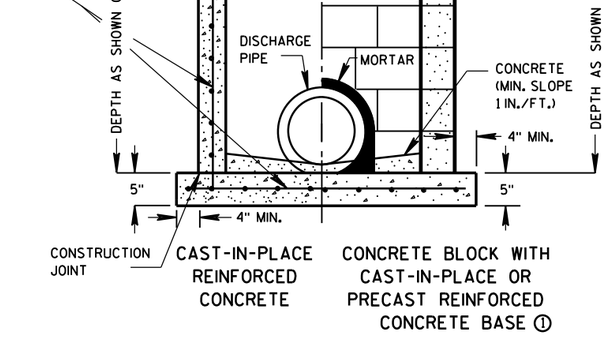
PLAN VIEW



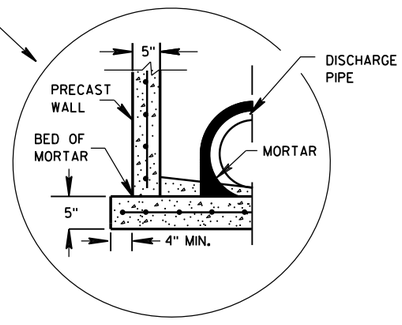
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

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

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

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

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

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

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

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

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

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

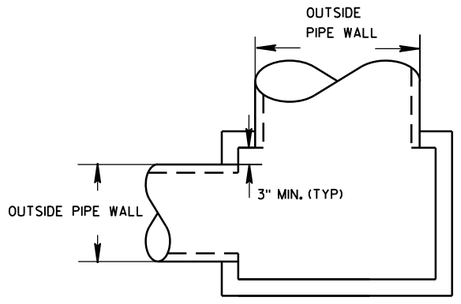
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT
UNIT SUPERVIS
FHWA

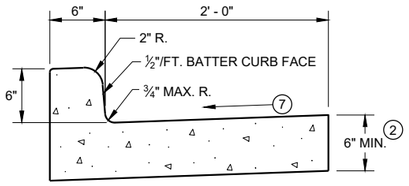
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

6

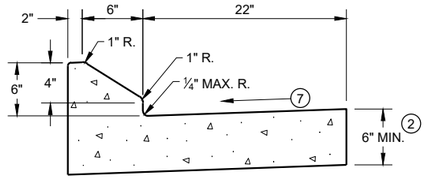
S.D.D. 8 C 7-2

6

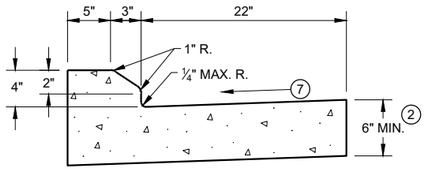
S.D.D. 8 C 7-2



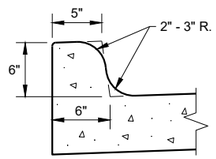
TYPES A (1) & D



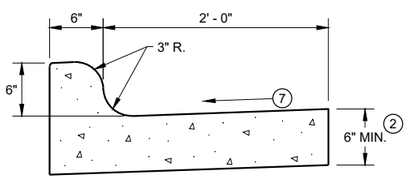
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

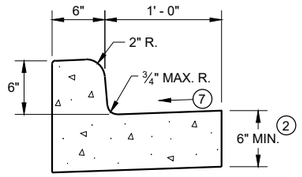


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



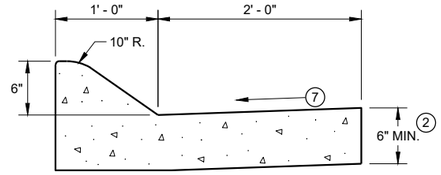
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

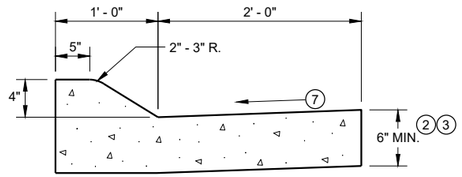


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

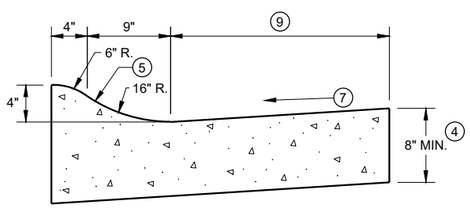


6" SLOPED CURB TYPES A (1) & D



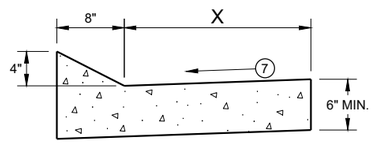
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

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

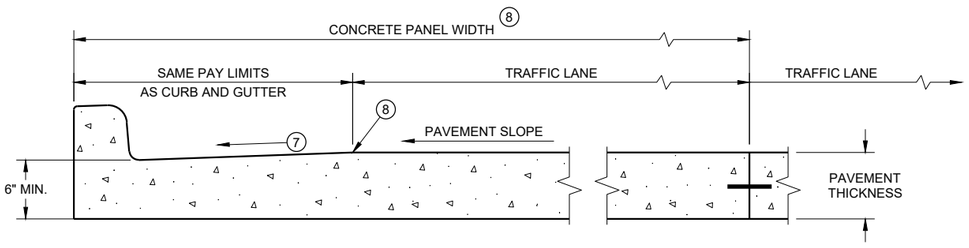


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

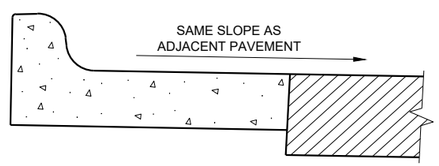
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

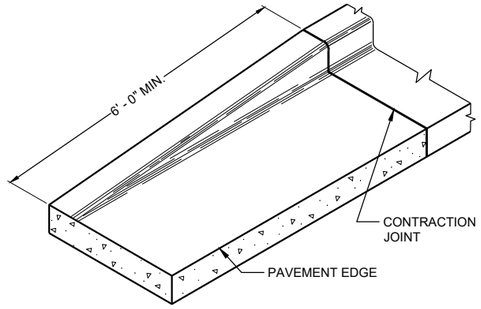
(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

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

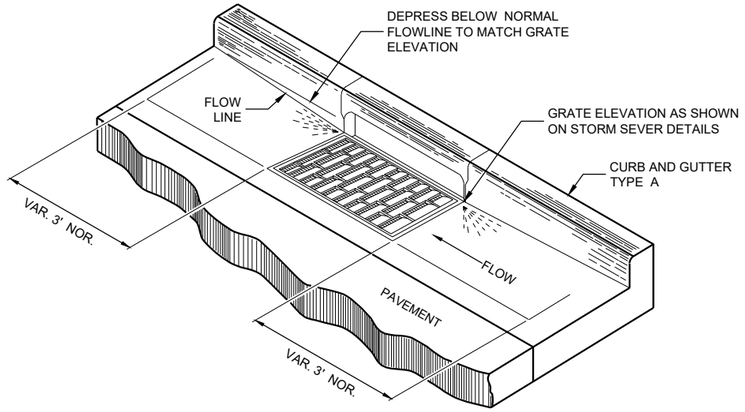
CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 08D01 - 23a



END SECTIONCURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS

(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

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

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

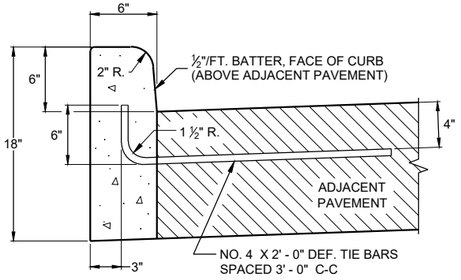
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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

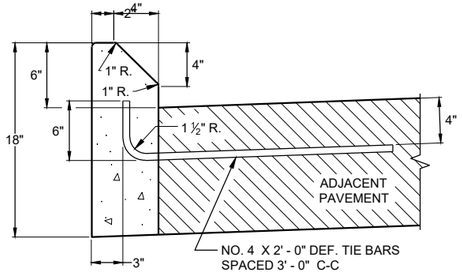
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(10) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

(11) PLACE 1" THICK EXPANSION JOINT MATERIAL BETWEEN VERTICAL FACE CURB TYPES EXTENDING FROM THE TOP OF CURB TO 1 INCH BELOW THE ADJOINING CONCRETE SURFACE. RIGID CONCRETE STRUCTURES INCLUDE RAISED CONCRETE MEDIANS, CONCRETE SAFETY ISLANDS, SPLITTER ISLANDS, OR LOCATIONS IDENTIFIED ON THE PLANS.

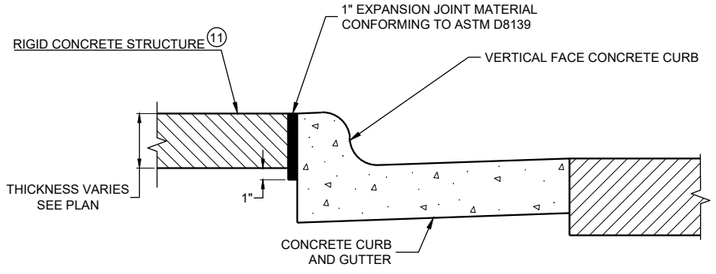


TYPES A (1) & D

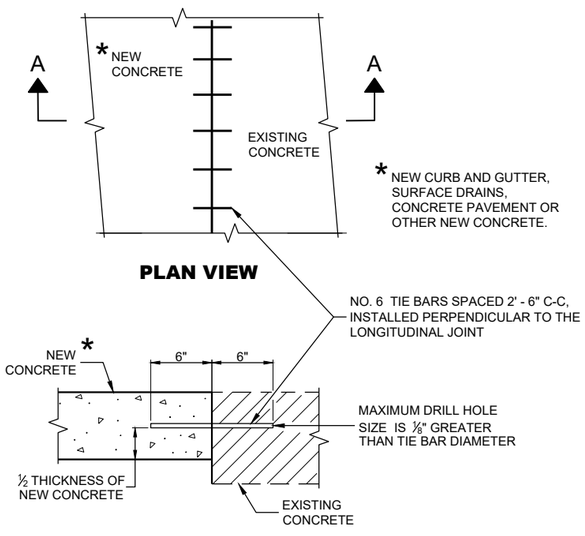


TYPES G (1) & J

CONCRETE CURB



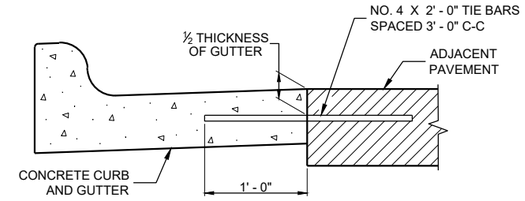
EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)



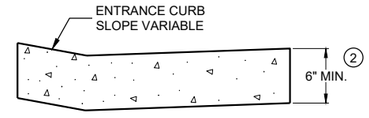
PLAN VIEW

SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (10)

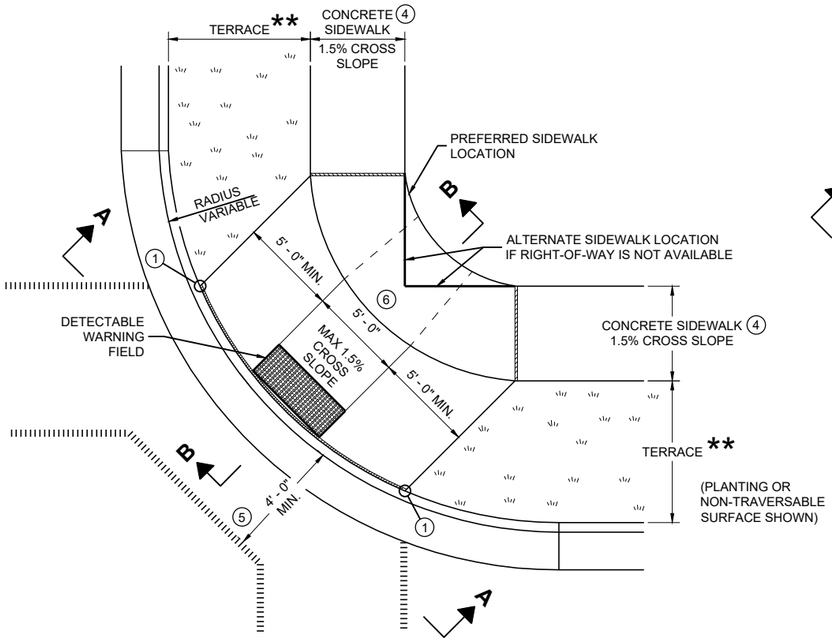
(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

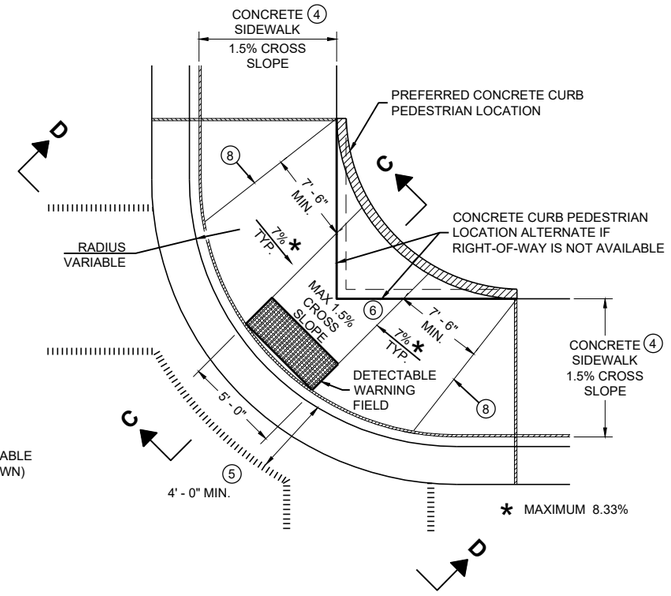
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SDD08D01 - 23b



PLAN VIEW

CURB RAMP TYPE 1

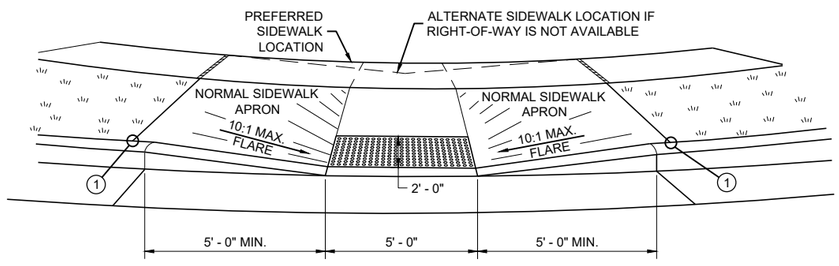
(CENTER OF CORNER RADIUS)



PLAN VIEW

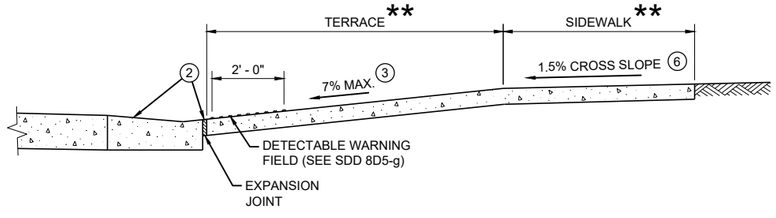
CURB RAMP TYPE 1 - A

(NO TERRACE)

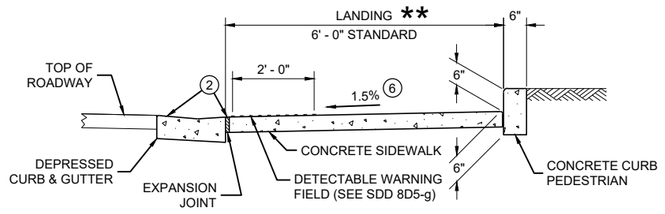


VIEW A - A FOR TYPE 1

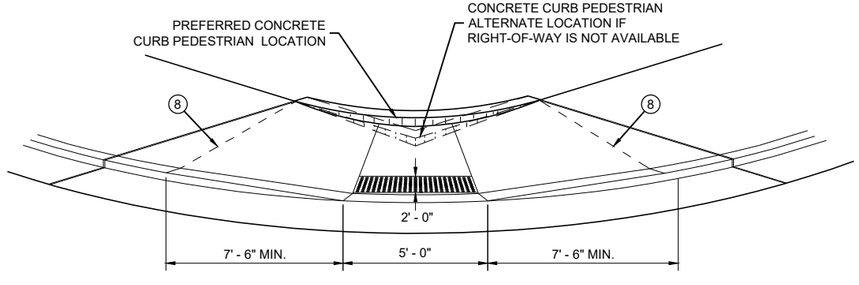
** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



SECTION C - C FOR TYPE 1 - A



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

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

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

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

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

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

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

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ½ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

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

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

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA. 4 FOOT WIDTH IS MEASURED FROM THE FLANGE LINE

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

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

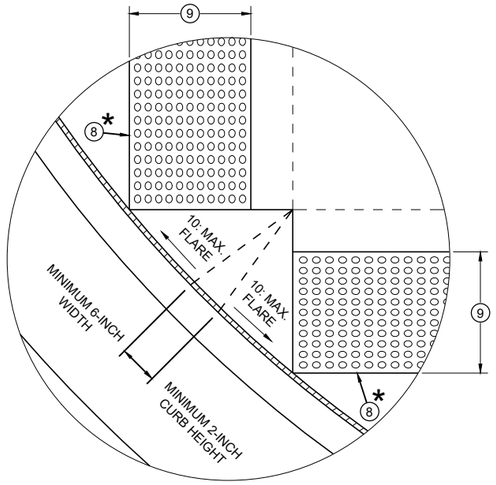
LEGEND

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

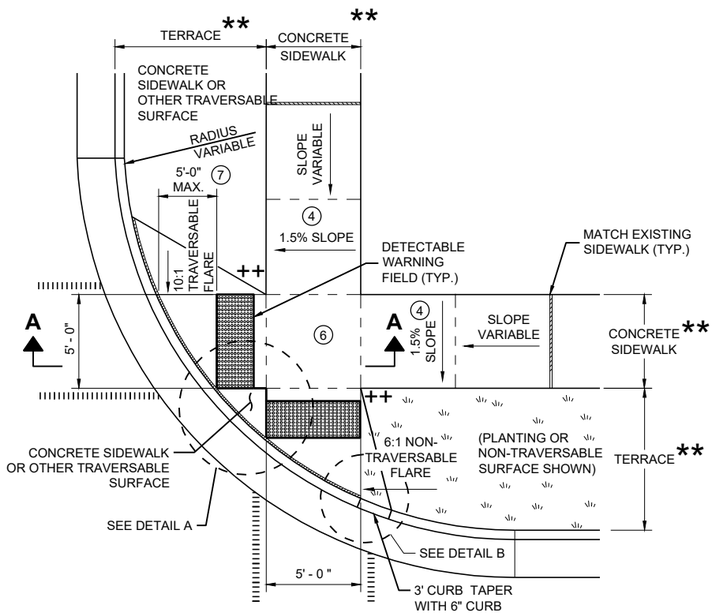
CURB RAMPS TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

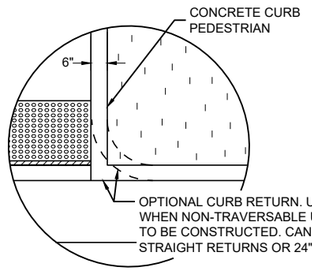
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SDD 08D05-21a



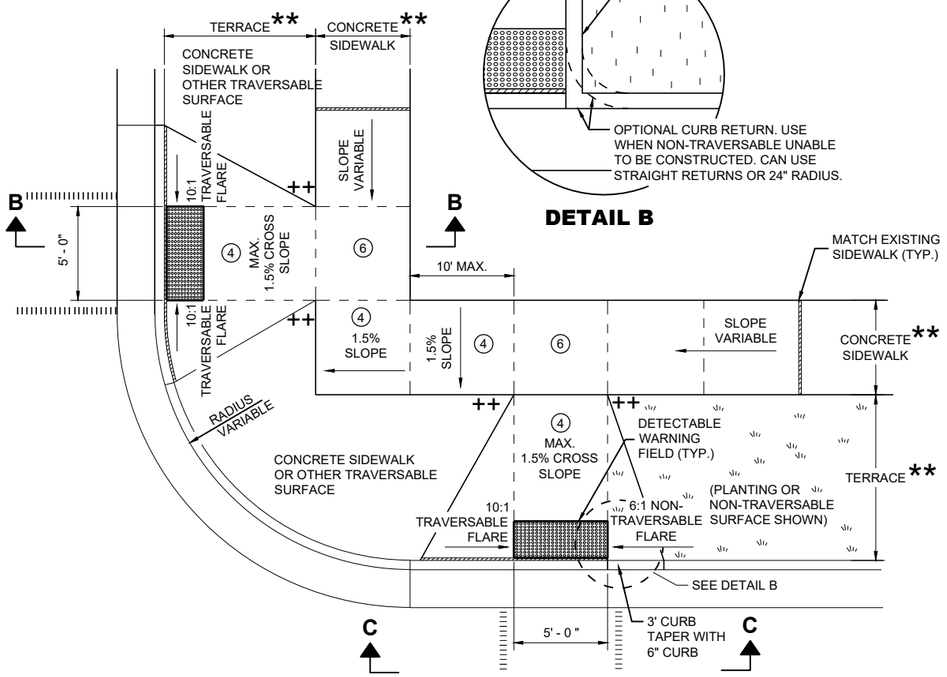
DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)



DETAIL B



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

GENERAL NOTES

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

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

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

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

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

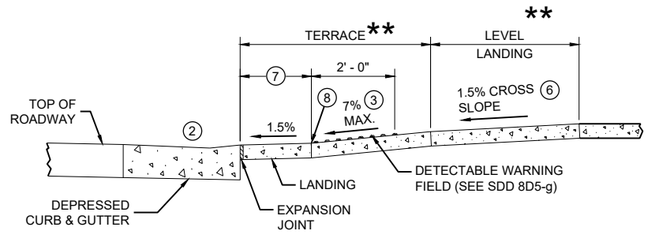
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

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

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

(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

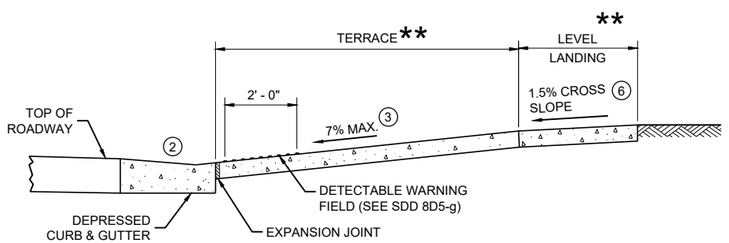


SECTION A - A FOR TYPE 2

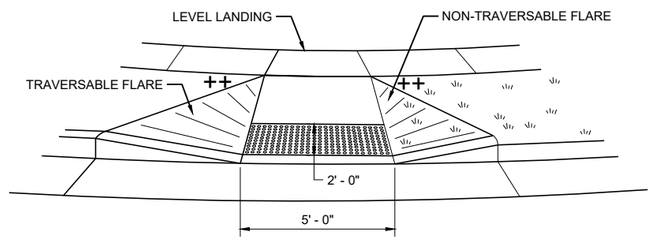
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



SECTION B - B FOR TYPE 3



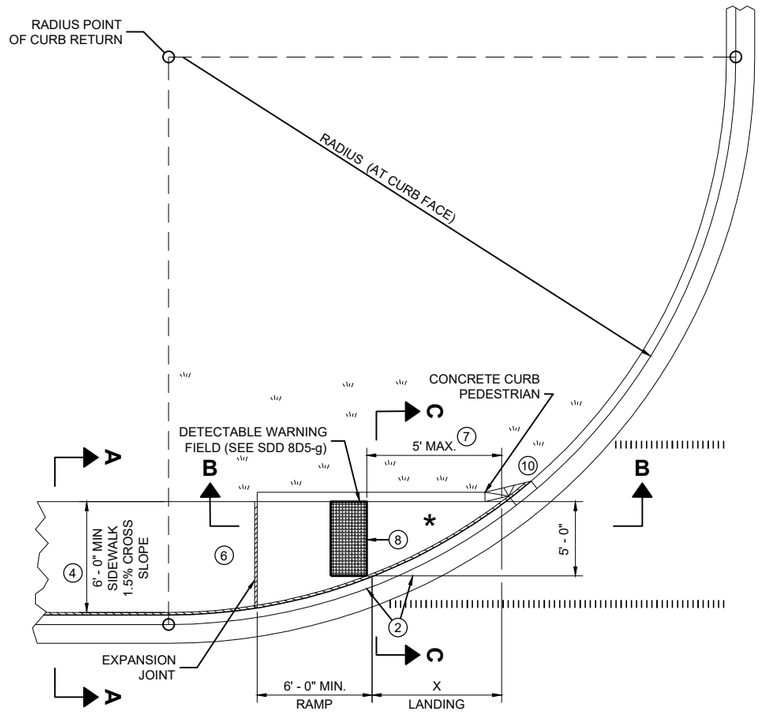
VIEW C - C FOR TYPE 3

LEGEND

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

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

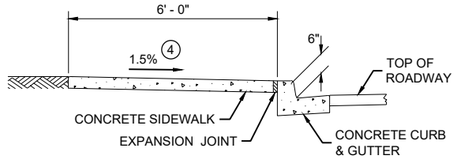


PLAN VIEW

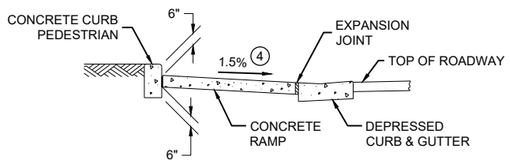
CURB RAMP TYPE 4A

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

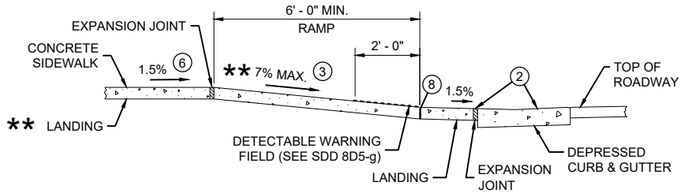
INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A



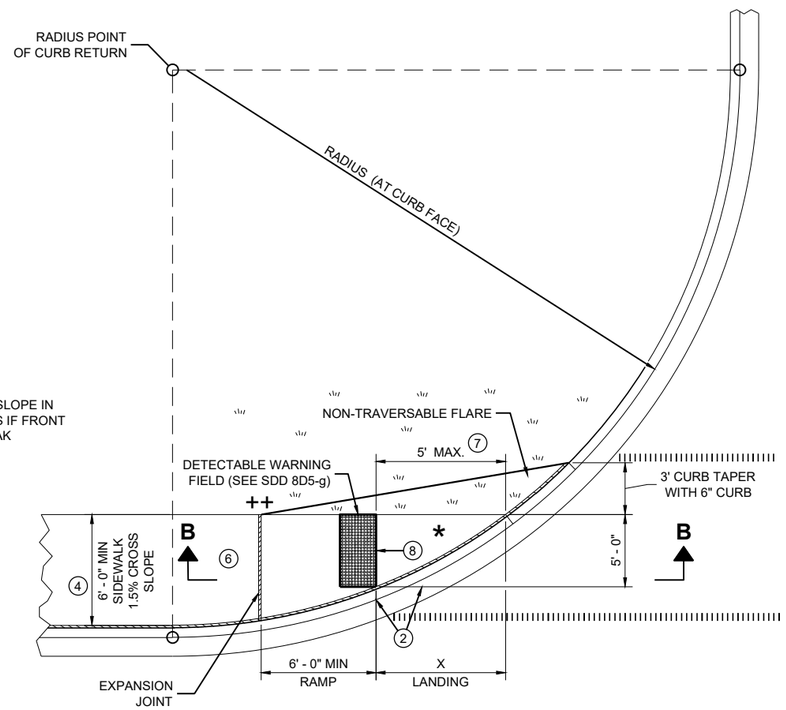
SECTION C - C FOR TYPE 4A



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

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

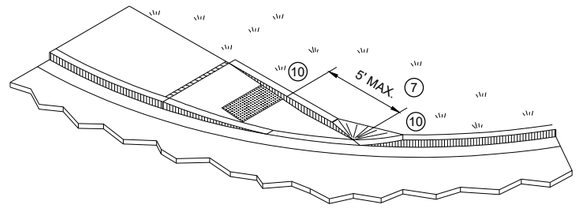
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK



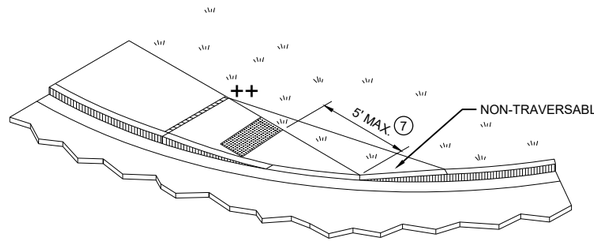
PLAN VIEW

CURB RAMP TYPE 4A1

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

LEGEND

½" EXPANSION JOINT SIDEWALK

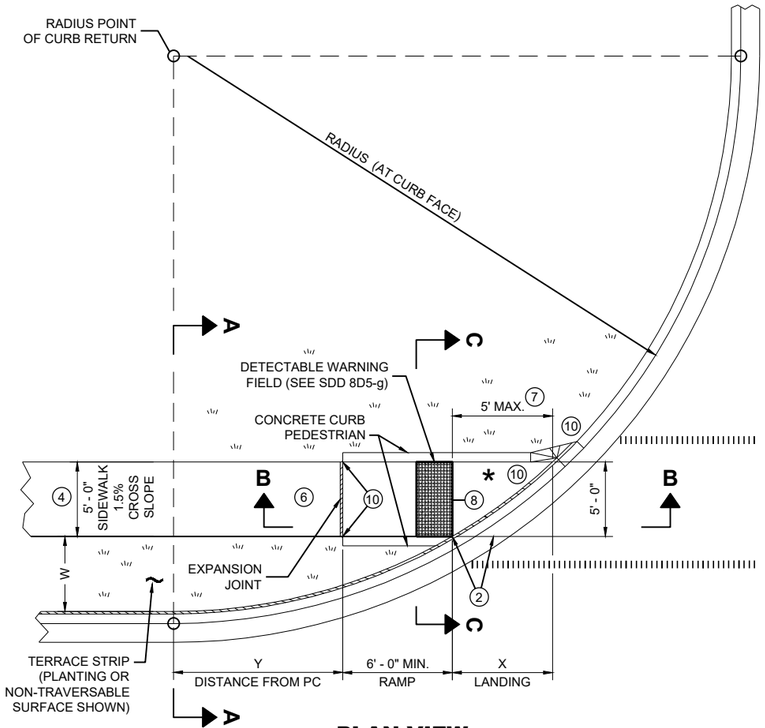
CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

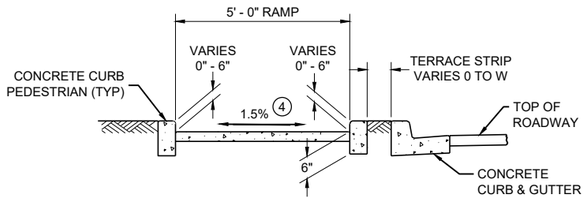
6
SDD 08D05-21c



PLAN VIEW
CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 1/4"	0' - 5"	2' - 1"	1' - 4 1/2"	1' - 5"	2' - 1"	0' - 10"	2' - 7 1/2"	0' - 3 1/4"	3' - 0 1/4"						
15 FEET	4' - 6 3/4"	2' - 1 3/4"	3' - 9"	3' - 5 3/4"	3' - 1 1/4"	4' - 6"	2' - 6 3/4"	5' - 4 1/2"	2' - 1"	6' - 1"	1' - 8"	6' - 8 1/2"	1' - 3 1/4"	7' - 2 1/2"	0' - 10 3/4"	7' - 7 1/4"
20 FEET			4' - 11 1/2"	5' - 1 3/4"	4' - 3 1/4"	6' - 5 1/2"	3' - 8 3/4"	7' - 7"	3' - 3"	8' - 6 1/2"	2' - 10"	9' - 4 1/2"	2' - 5 1/2"	10' - 1 1/4"	2' - 1 1/4"	10' - 9"
30 FEET									4' - 10 3/4"	12' - 5 3/4"	4' - 5 1/2"	13' - 7 3/4"	4' - 0 3/4"	14' - 8 1/2"	3' - 8 1/2"	15' - 8 1/4"
40 FEET															4' - 10 3/4"	19' - 8 1/4"

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



SECTION C - C FOR TYPE 4B

LEGEND

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

GENERAL NOTES

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

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

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

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

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

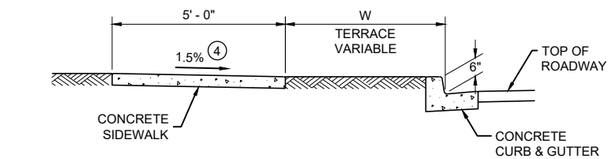
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

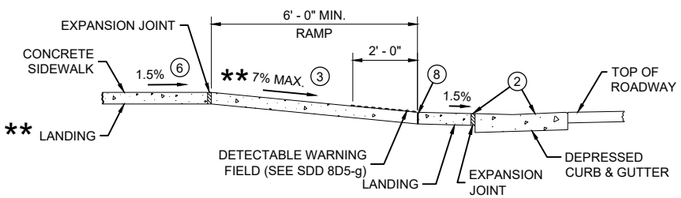
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

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

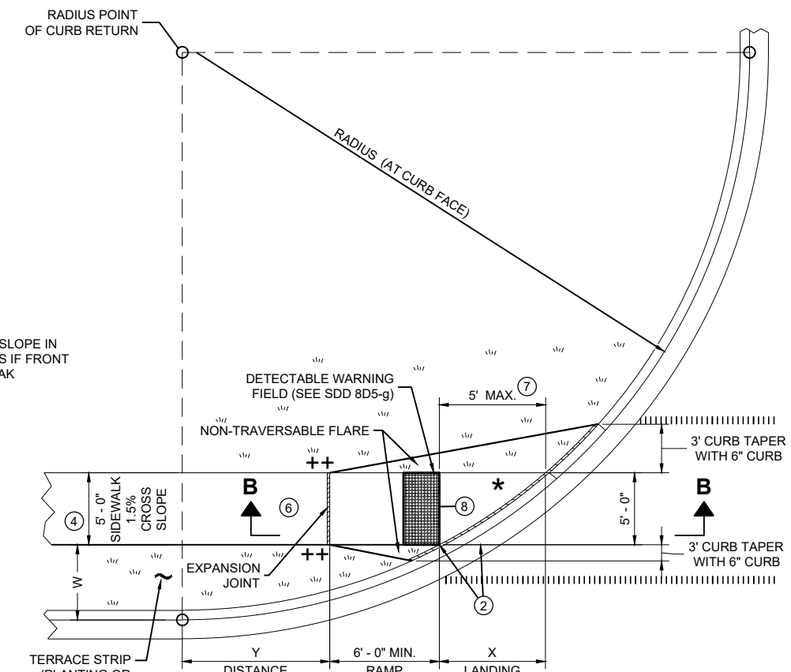


SECTION A - A FOR TYPE 4B



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

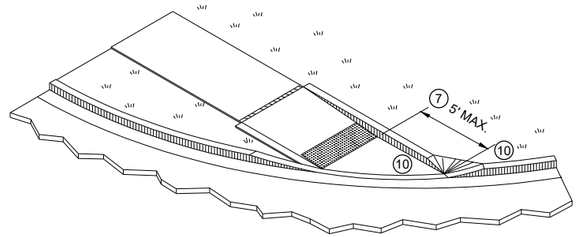
SECTION B - B FOR TYPE 4B AND TYPE 4B1



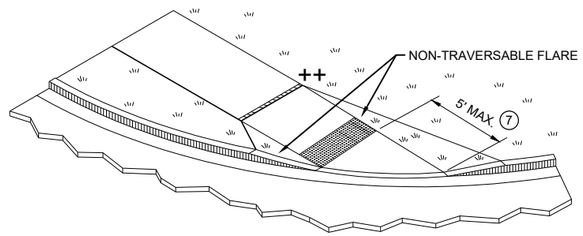
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

PLAN VIEW
CURB RAMP TYPE 4B1



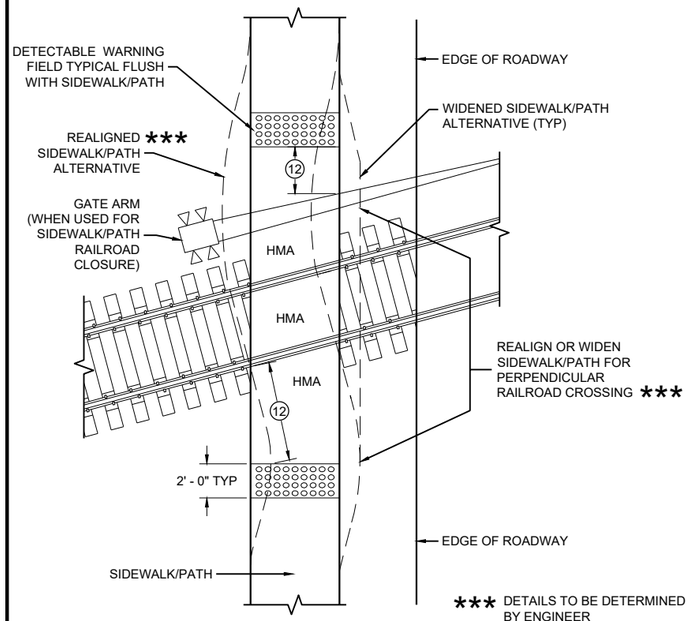
ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

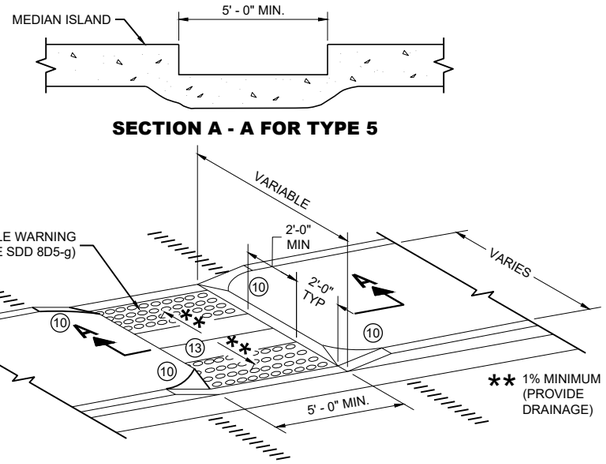
CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



CURB RAMP TYPE 8

DETECTABLE WARNINGS FOR SIDEWALKS OR SHARED USE PATHS AT RAILROAD CROSSINGS



SECTION A - A FOR TYPE 5

CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

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

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

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

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

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

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

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

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

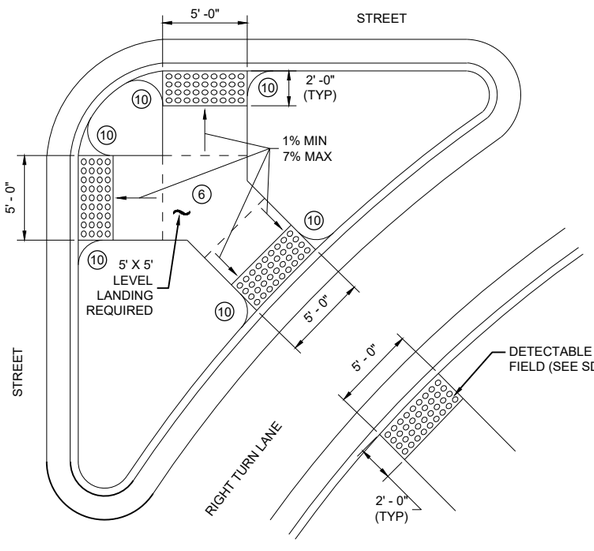
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

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

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

LEGEND

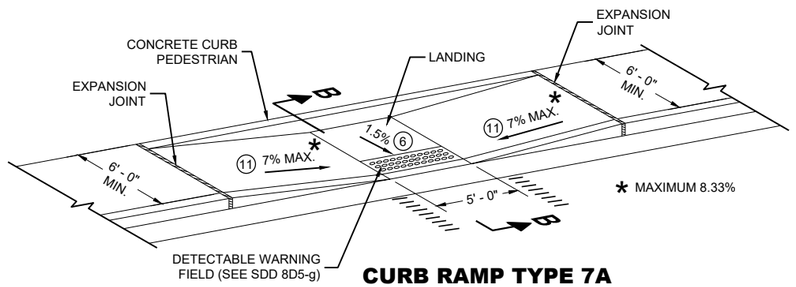
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

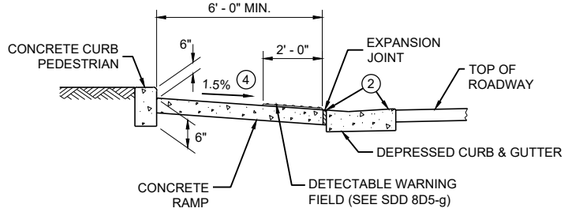
DETECTABLE WARNING AT ISLANDS

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

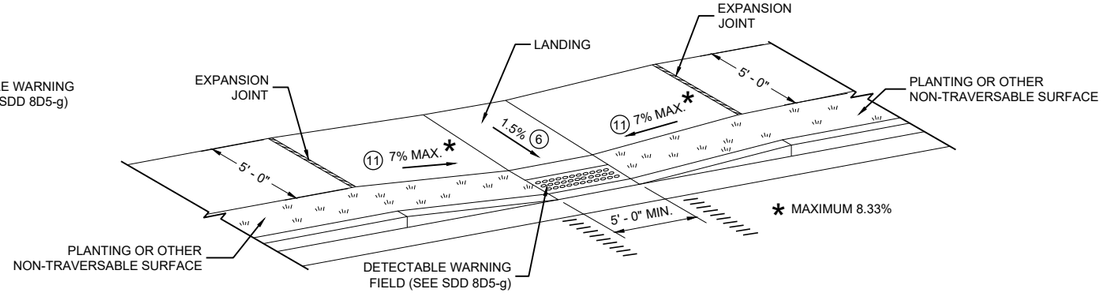


CURB RAMP TYPE 7A

FOR INTERSECTIONS AND MID BLOCK CROSSINGS



SECTION B - B FOR TYPE 7A



CURB RAMP TYPE 7B

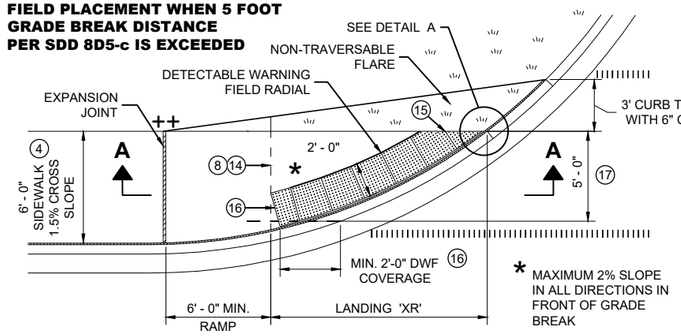
FOR INTERSECTIONS AND MID BLOCK CROSSINGS

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

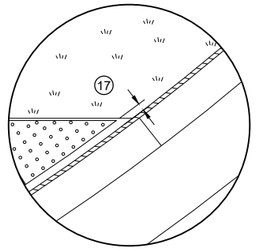
SDD 08D05-21e

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

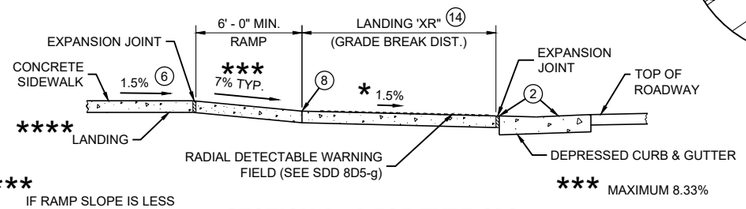


PLAN VIEW

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



DETAIL A

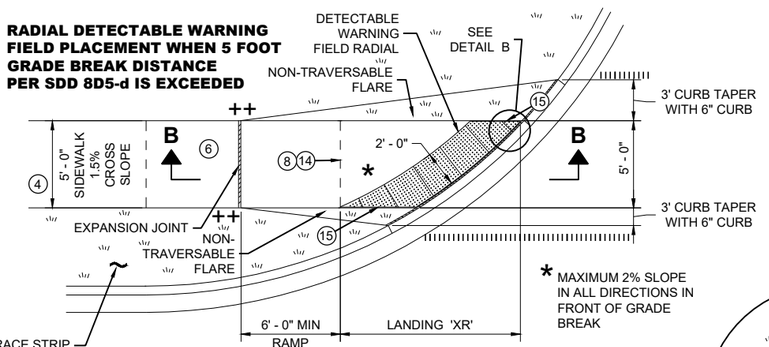


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

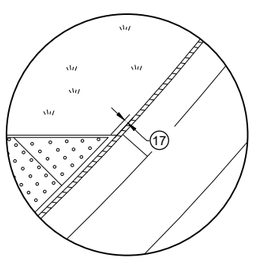
SECTION A - A FOR TYPE 4A1

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

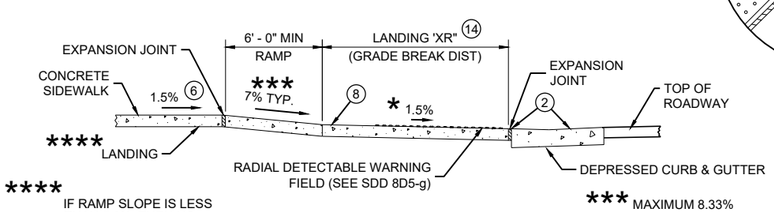


PLAN VIEW

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



DETAIL B



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

*** MAXIMUM 8.33%

SECTION B - B FOR TYPE 4B1

LEGEND

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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

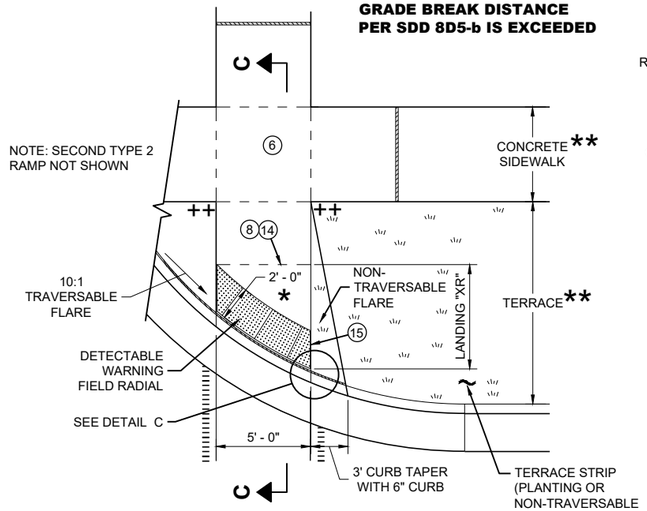
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

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

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

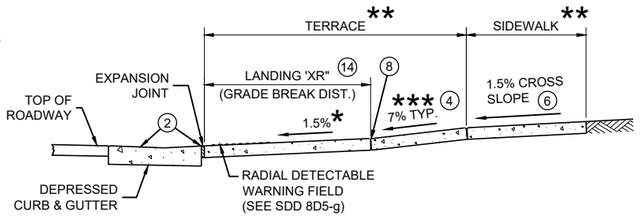
(17) A MAXIMUM 3 INCH CONCRETE BORDER WIDTH IS ALLOWABLE IN FRONT OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

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

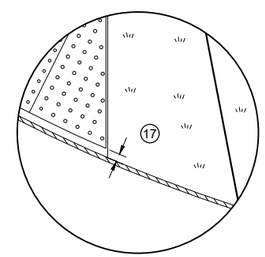


PLAN VIEW

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



SECTION C - C FOR TYPE 2



DETAIL C

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

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

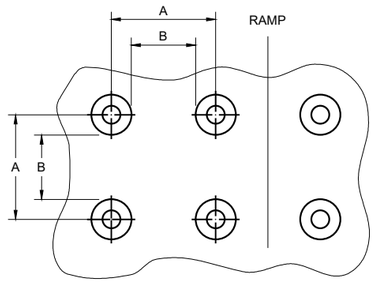
CURB RAMPS
RADIAL DETECTABLE WARNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

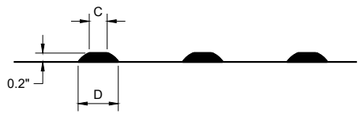
SDD 08D05-21f

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

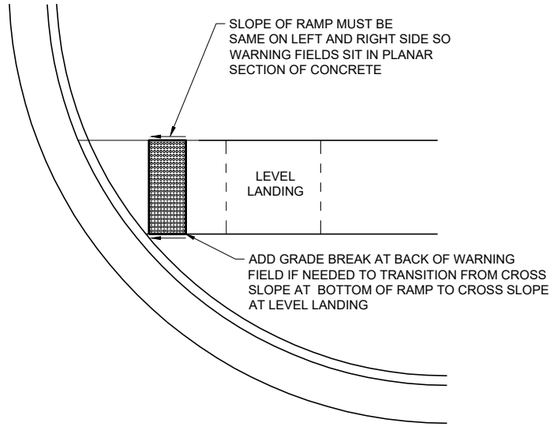
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



PLAN VIEW



ELEVATION VIEW



DETECTABLE WARNING FIELD
PLANAR INSTALLATION

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

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

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

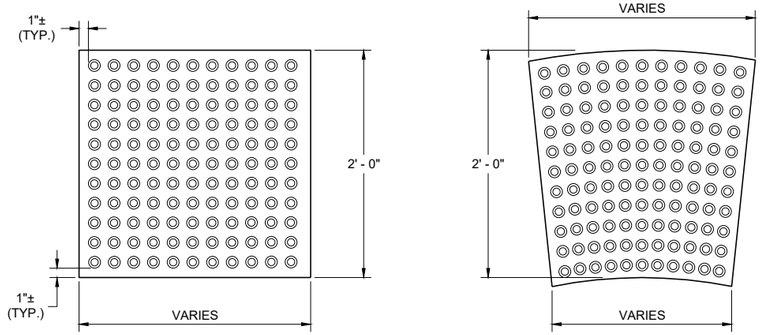
FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE.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

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

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

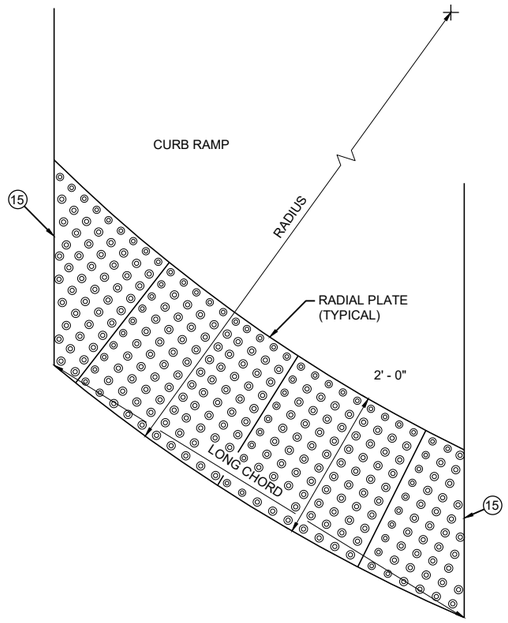
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



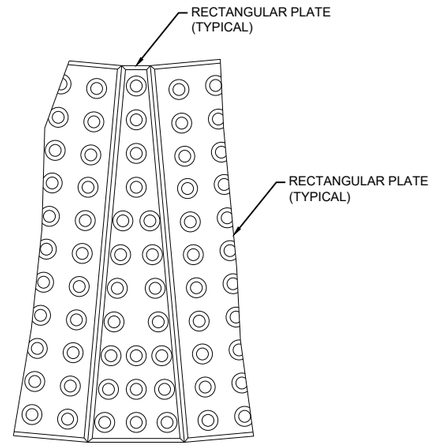
RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

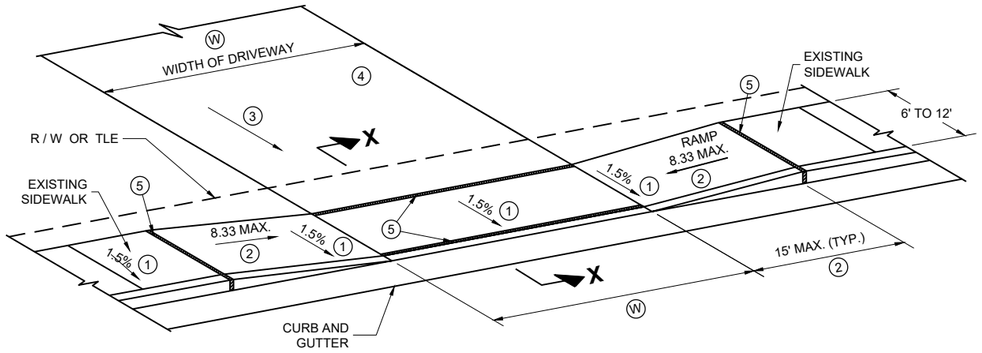
CURB RAMPS
RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

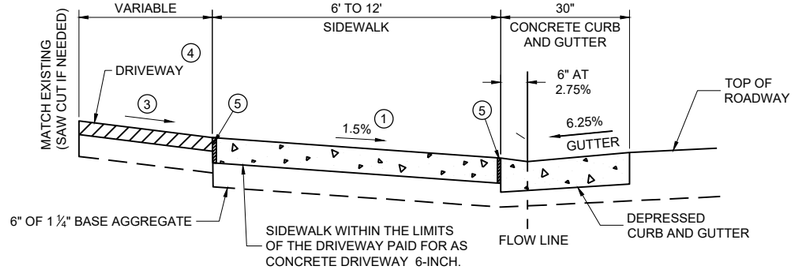
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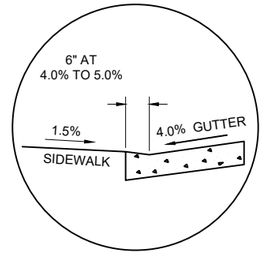
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TYPE X
SIDEWALK ABUTS CURB AND GUTTER
TERRACE VARIES 0 TO 3 FEET



SECTION X - X



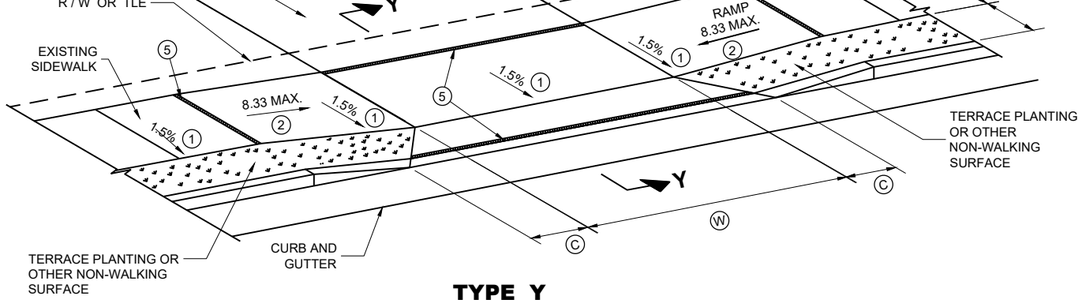
SECTION X - X
4% GUTTER SLOPE

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

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

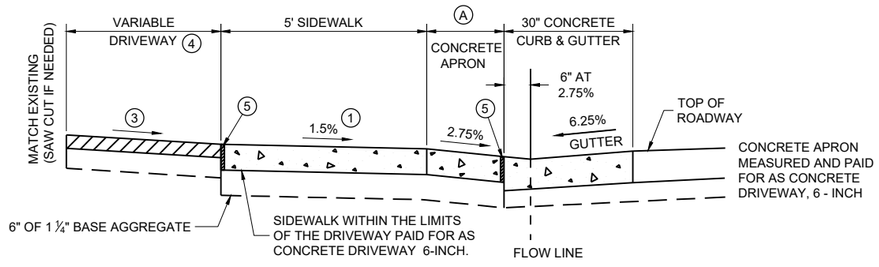
TABLE Y

Ⓐ FEET	Ⓒ FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'

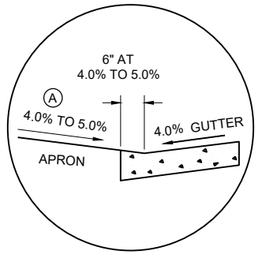


TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

Ⓐ:MEASURE FROM BACK OF CURB



NOTE: SIDEWALK MY BE DEPRESSED IN DRIVEWAY AREAS



SECTION Y - Y
4% GUTTER SLOPE

SECTION Y - Y

DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER

(URBAN AND SUBURBAN)

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

Ⓦ IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

① CONSTRUCTION TOLERANCE OF 0.5%± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

② THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

③ DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

④ DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES.)

⑤ ½" EXPANSION JOINT FILLER

DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y

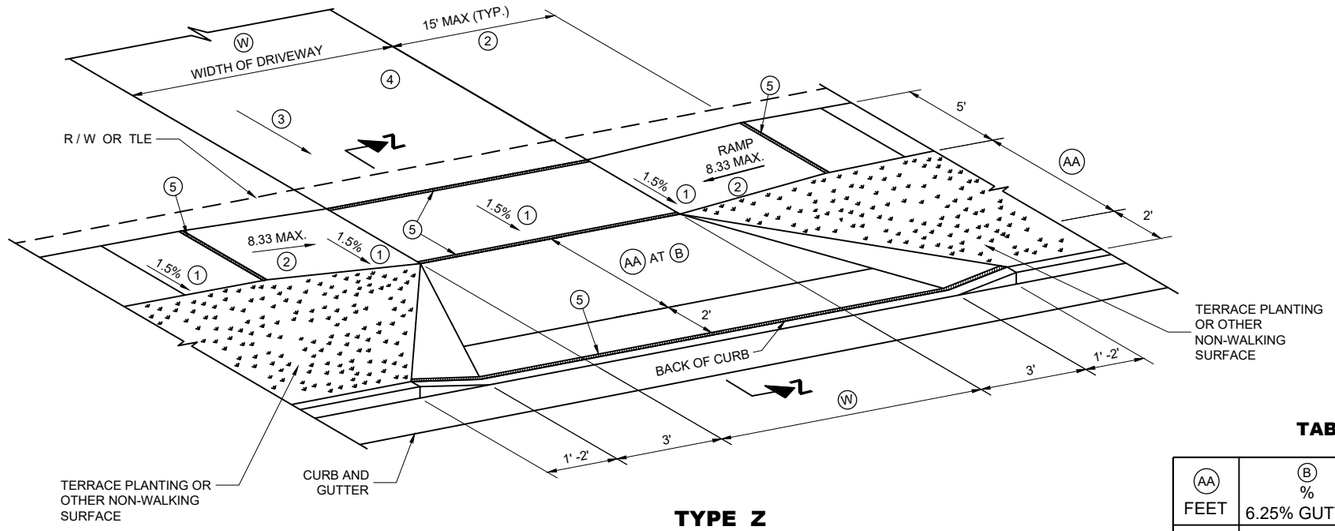
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TYPE Z

SIDEWALK WITH WIDER TERRACE
TERRACE VARIES 7 TO 12 FEET

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

(W) IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(1) CONSTRUCTION TOLERANCE OF 0.5%± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY.

(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

(4) DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES.)

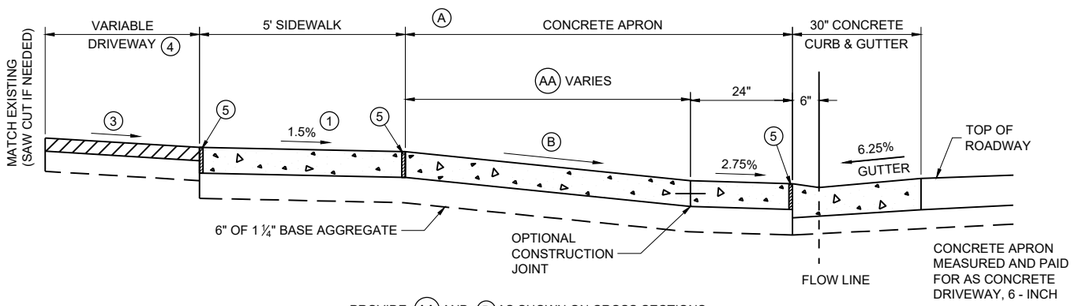
(5) ½" EXPANSION JOINT FILLER.

TABLE Z

(AA) FEET	(B) % 6.25% GUTTER	(B) % 4% GUTTER
4.5'	11.5%	9% TO 11.5%
5.5'	9% TO 11.5%	8% TO 11.5%
6.5'	8% TO 11.5%	6% TO 11.5%
7.5'	7% TO 11.5%	6% TO 11.5%
8.5'	6% TO 11.5%	5% TO 11.5%
9.5'	5% TO 11.5%	4% TO 11.5%

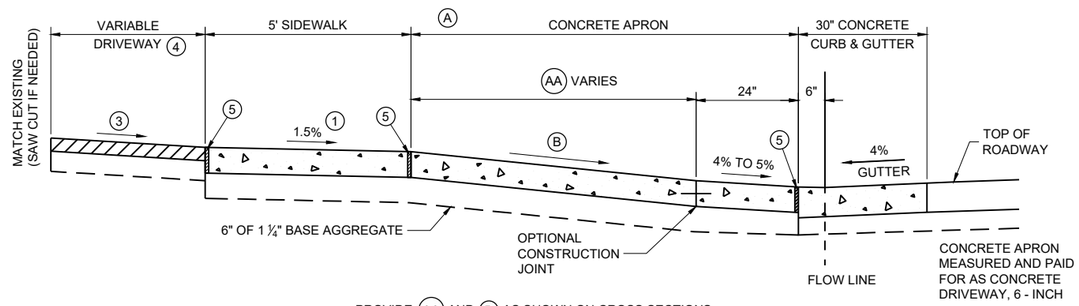
(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

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



PROVIDE (AA) AND (B) AS SHOWN ON CROSS SECTIONS.

6.25% GUTTER SLOPE



PROVIDE (AA) AND (B) AS SHOWN ON CROSS SECTIONS.

4% GUTTER SLOPE

NOTE: SIDEWALK MY BE DEPRESSED IN DRIVEWAY AREAS FOR (B) VALUES NOT SHOWN IN TABLE Z.

SIDEWALK WITHIN THE LIMITS OF THE DRIVEWAY PAID FOR AS CONCRETE DRIVEWAY 6-INCH.

SECTION Z - Z
DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER
(URBAN AND SUBURBAN)

DRIVEWAY AND SIDEWALK RAMPS TYPE Z

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GENERAL NOTES

A MAXIMUM RADIUS OF 10 FEET SHALL BE USED FOR NON-COMMERCIAL PRIVATE ENTRANCES. RADII FOR COMMERCIAL DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER BASED ON TRAFFIC AND DRIVEWAY PERMIT RESTRICTIONS.

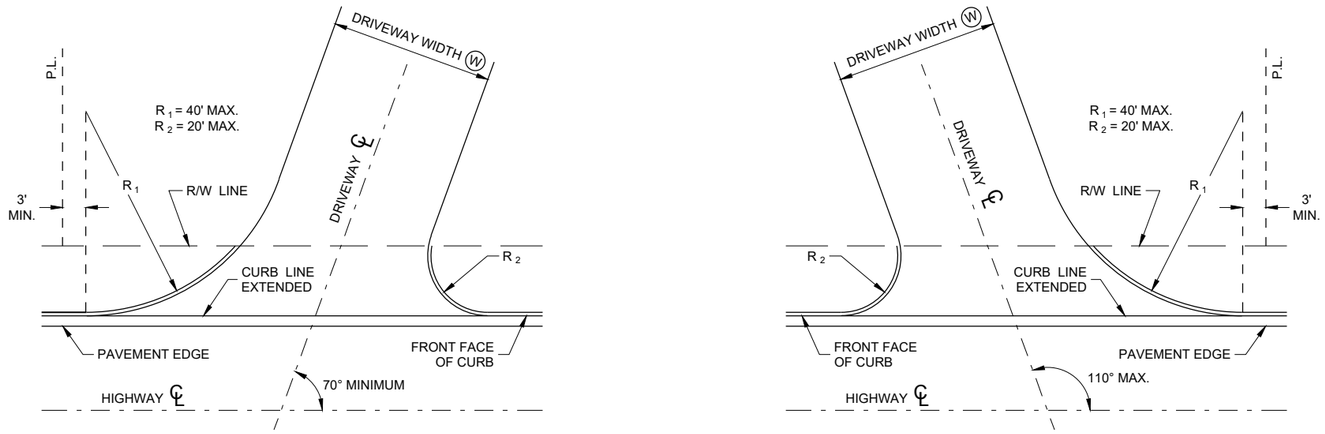
THE MINIMUM ANGLE OF INTERSECTION BETWEEN THE DRIVEWAY AND HIGHWAY CENTERLINES SHALL BE 70°.

ALL CURVILINEAR PRIVATE ENTRANCE OUTLINES SHALL BE CONTAINED WITHIN THE HIGHWAY R/W.

NO DRIVEWAY SHALL BE BUILT WITHIN 3 FEET OF THE PROPERTY LINE EXCEPT FOR EXISTING JOINT DRIVEWAY SHARED BY TWO OWNERS.

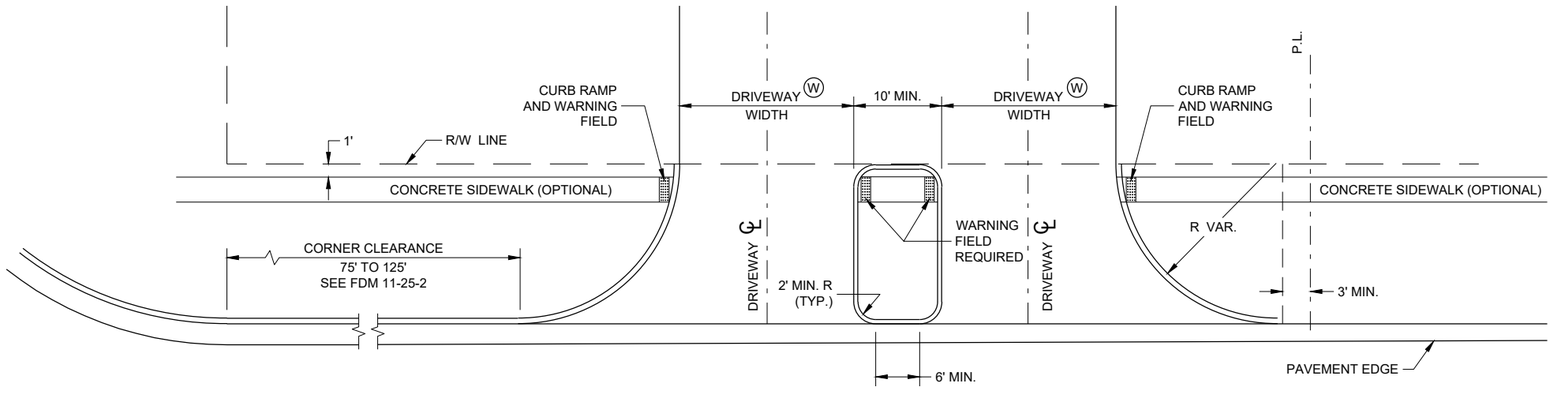
Ⓦ: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

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



SKEWED DRIVEWAY DETAILS (COMMERCIAL AND NON-COMMERCIAL)

SIDEWALK NOT SHOWN



DRIVEWAY LOCATION AND SPACING DETAILS

SIDEWALK SHOWN

DRIVEWAYS WITH CURB AND GUTTER RETURNS

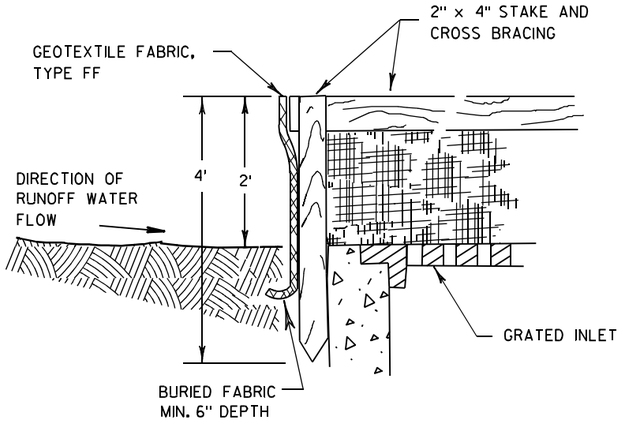
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

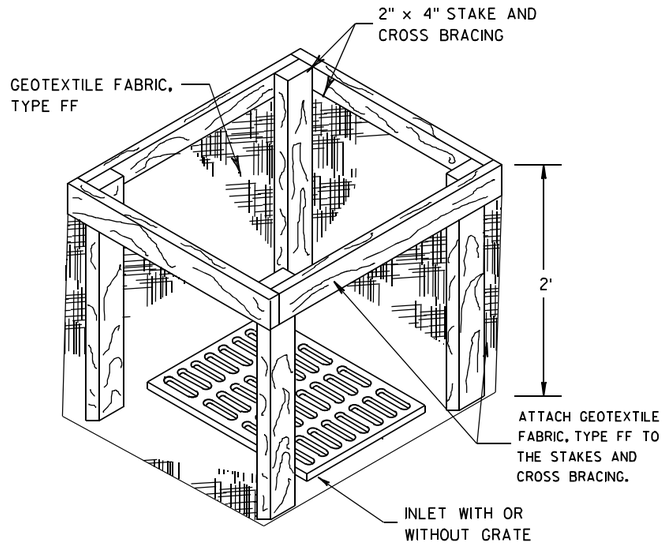
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00-00-00 — DATE
/S/ <AUTHOR> — ROADWAY STANDARDS DEVE ENGINEER

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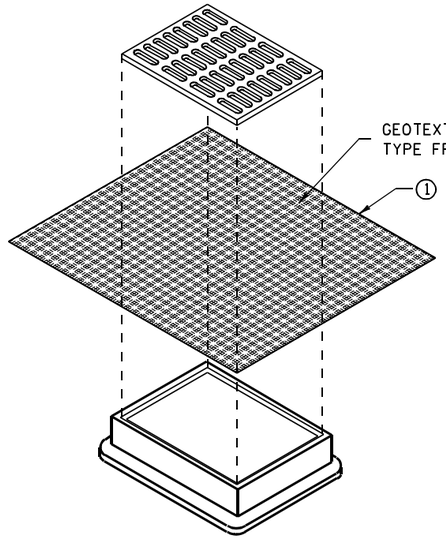
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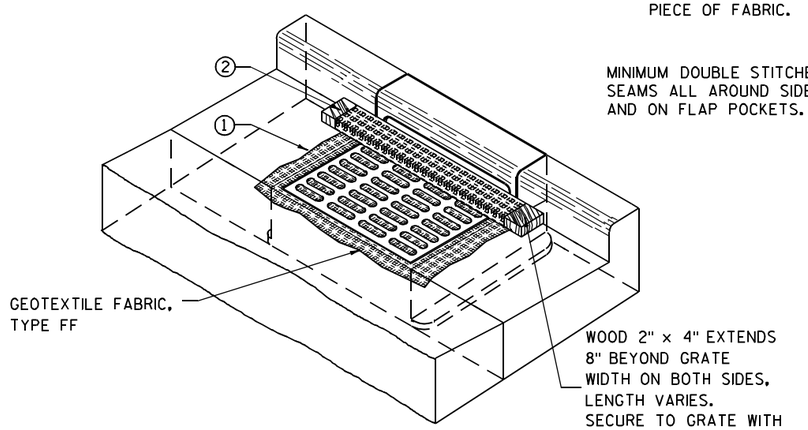


INLET PROTECTION, TYPE A

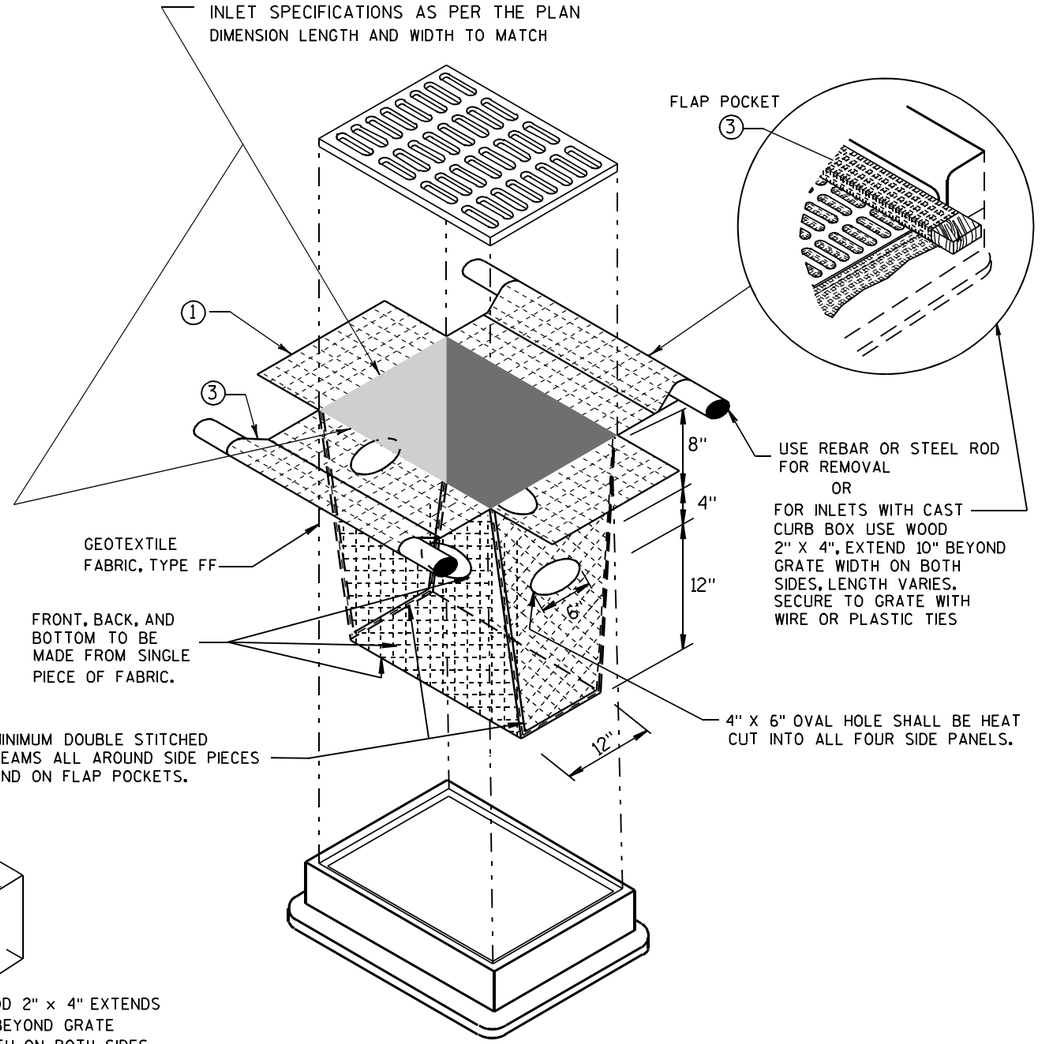


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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.

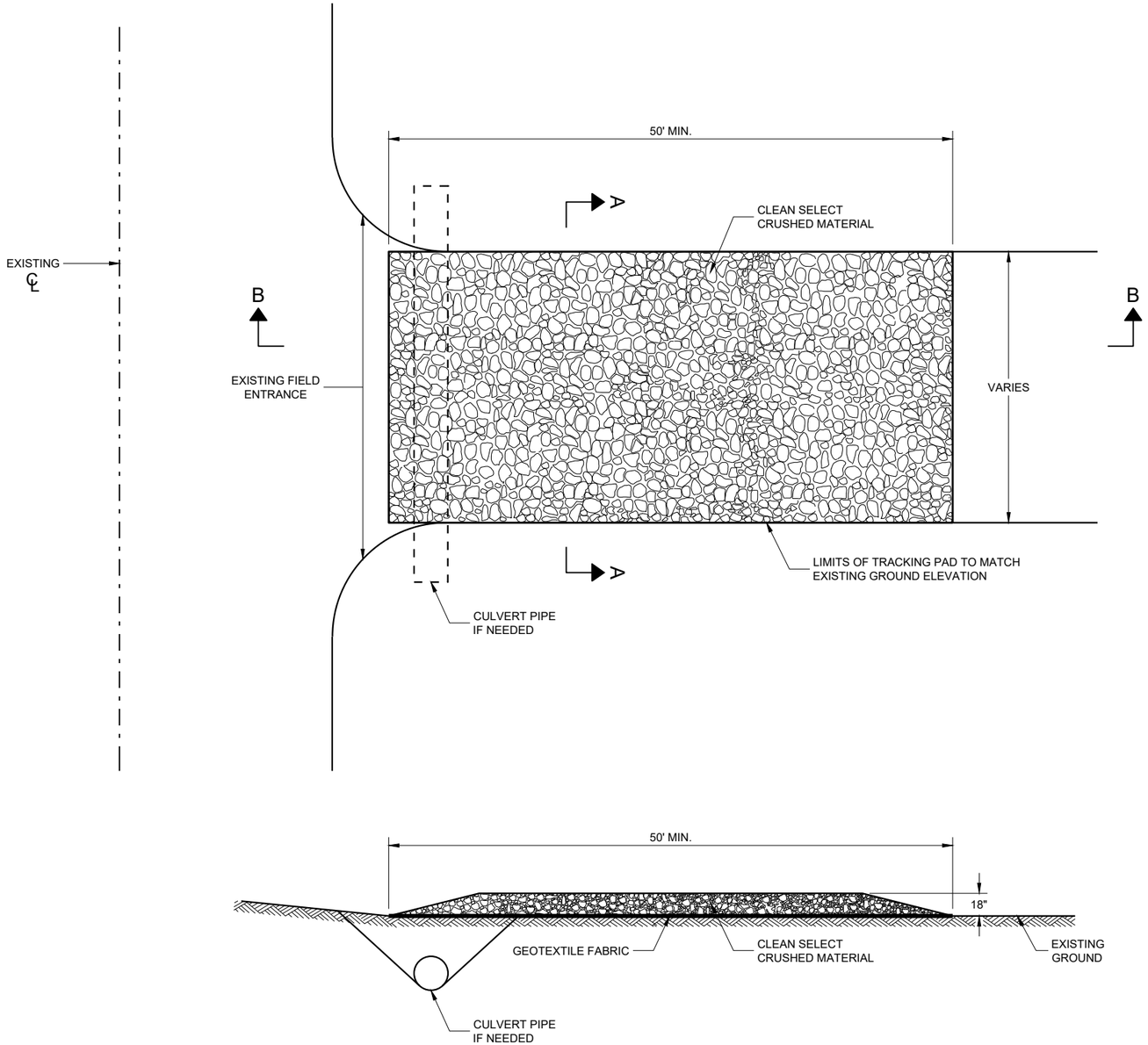
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE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

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



SECTION B - B

GENERAL NOTES

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

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

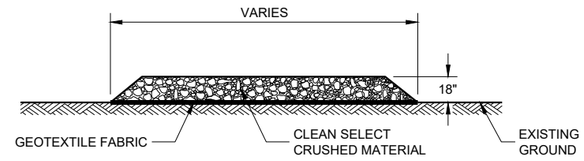
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

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

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

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

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



SECTION A - A

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SDD 08E14 - 01

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

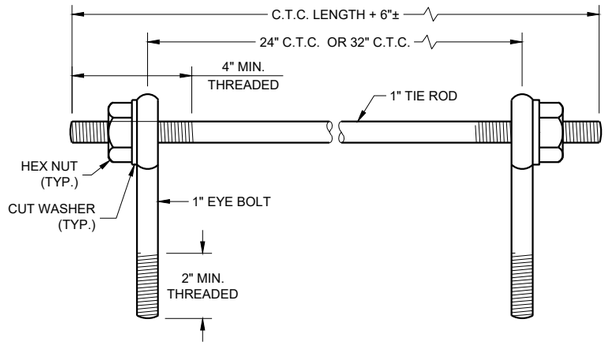
3/24/2011
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

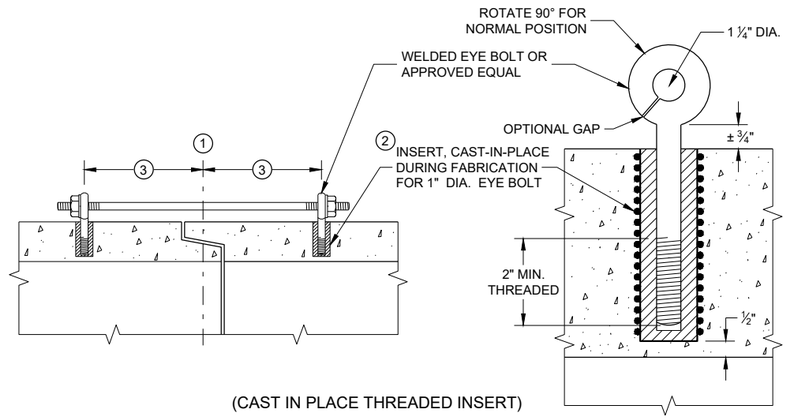
FHWA

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SDD 08E14 - 01



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

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

GENERAL NOTES

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

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

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

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

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

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

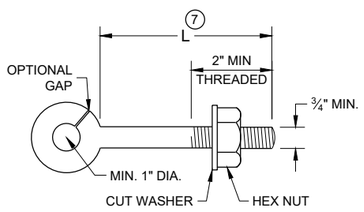
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

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

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

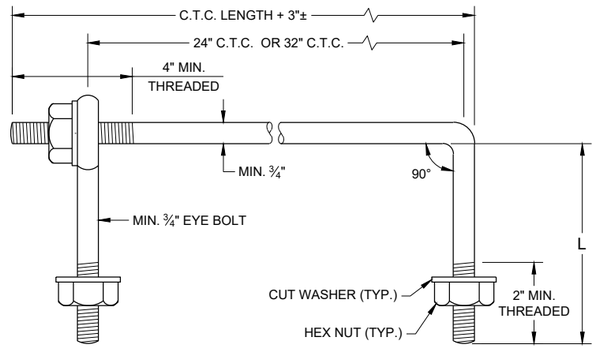
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

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

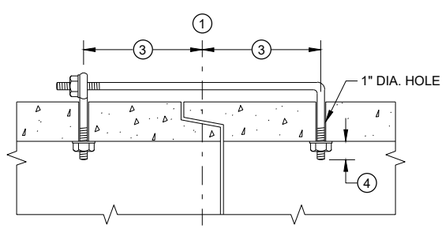


EYE BOLT (7)

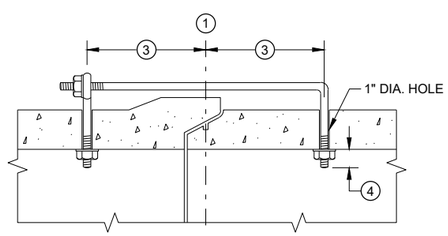
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

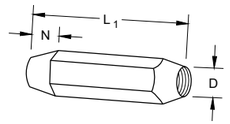
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

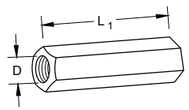
ADJUSTABLE TIE ROD TABLE

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

DIMENSIONS SHOWN ARE IN INCHES



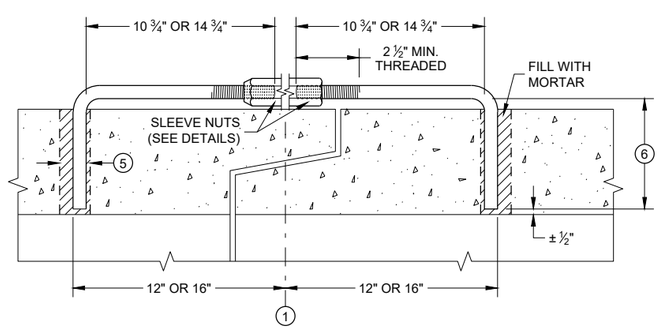
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PLAIN

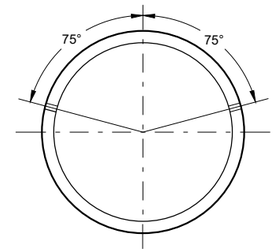
RIGHT AND LEFT THREADS

SLEEVE NUTS



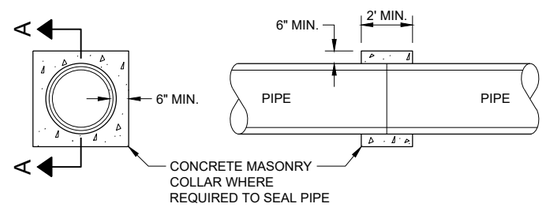
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



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

TRANSVERSE SECTION



SECTION A - A

CONCRETE COLLAR DETAIL

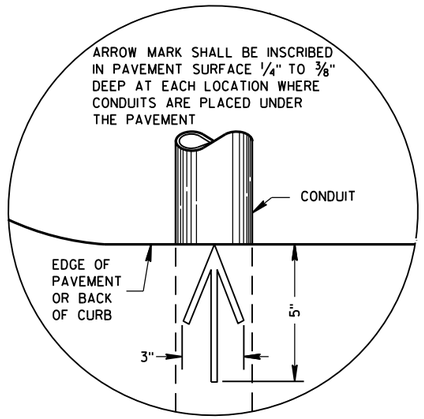
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

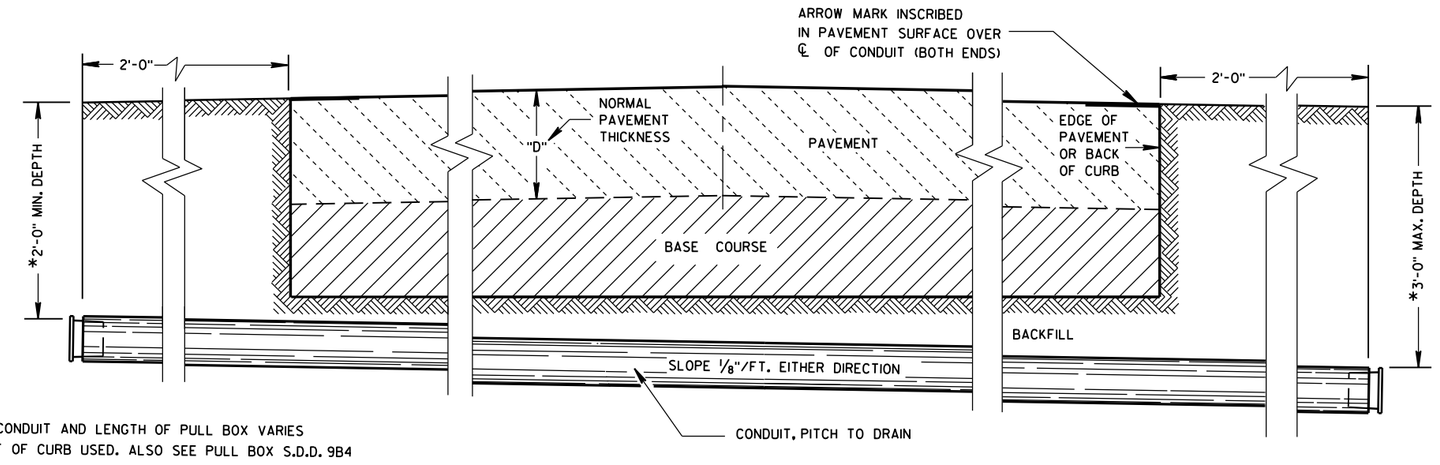
SDD 08F04 - 08

SDD 08F04 - 08



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

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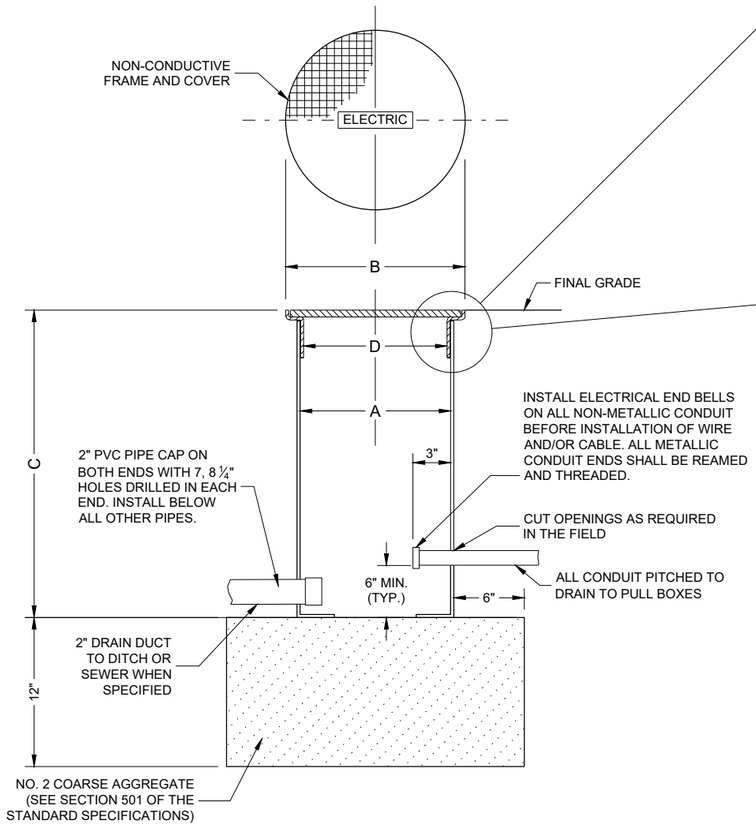
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

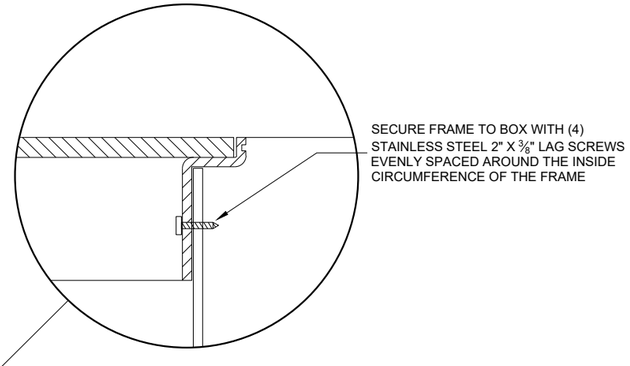
DIMENSION IN INCHES		NON- CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 ½	22 ½
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

* THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

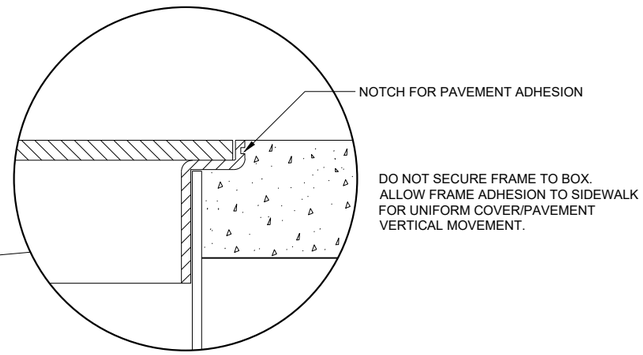
** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE.



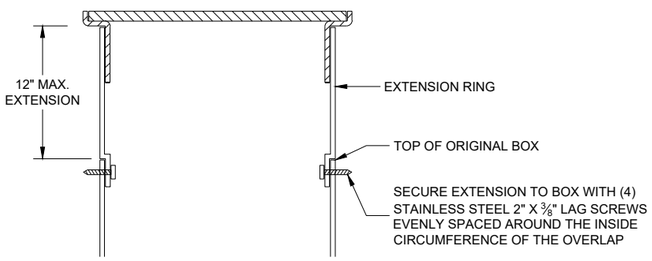
NON-CONDUCTIVE PULL BOX



INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



BOX EXTENSION

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 ½" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN ¼".

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 ¼".

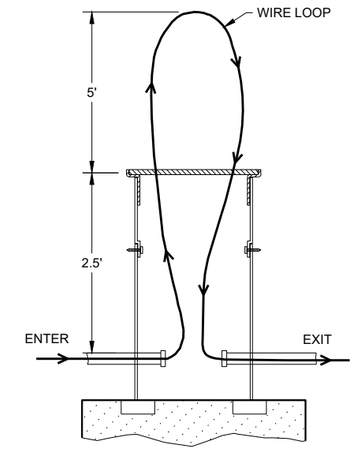
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

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.



MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

PULL BOXES NON-CONDUCTIVE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

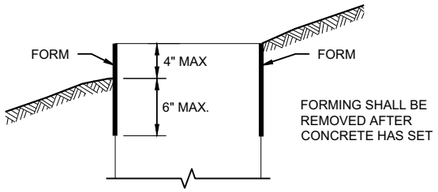
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

FHWA

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SDD 09B16 - 02

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

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

GENERAL NOTES

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

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

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

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

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

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

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

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

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

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

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

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

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

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

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

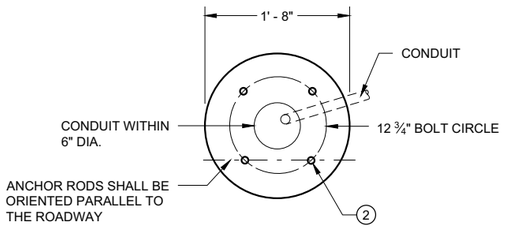
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

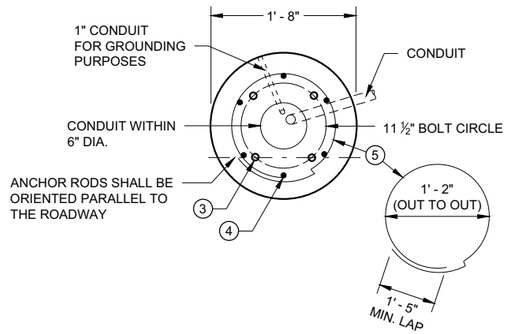
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

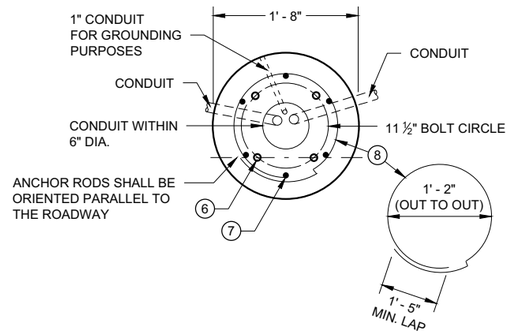
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

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







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

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

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

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

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

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

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

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

9 EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

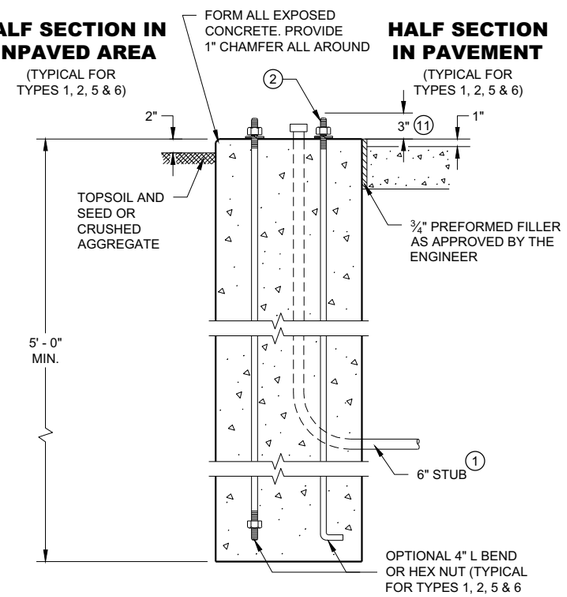
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

11 ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

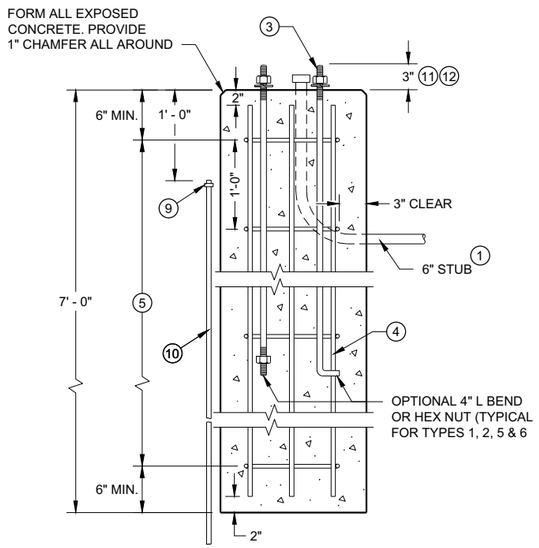
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

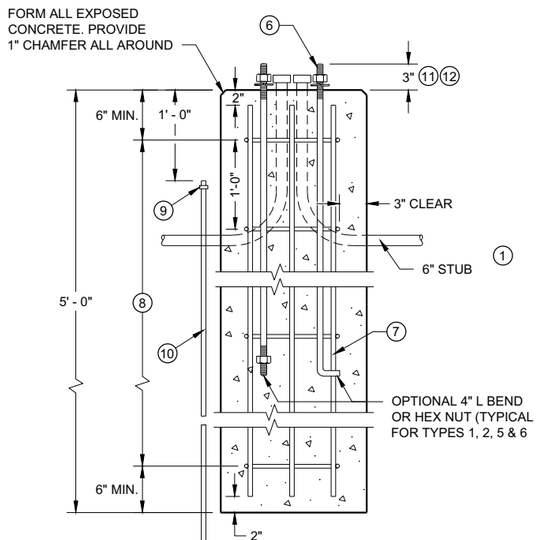
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



TYPE 5 & 6

CONCRETE BASES

CONCRETE BASES TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 152

FHWA

GENERAL NOTES

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

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

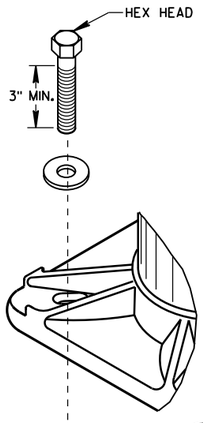
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

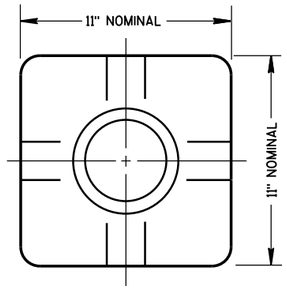
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

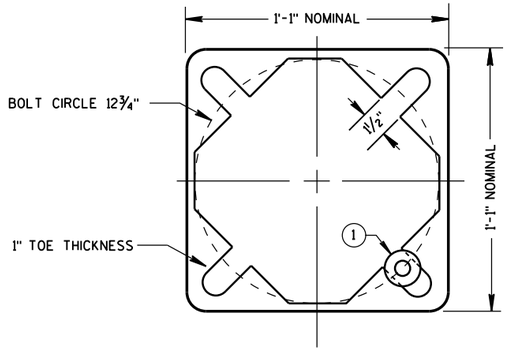
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

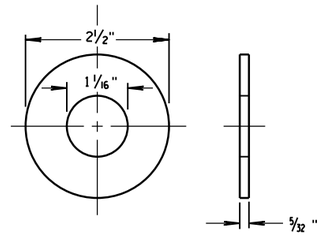




TOP VIEW
(PEDESTAL BASE)

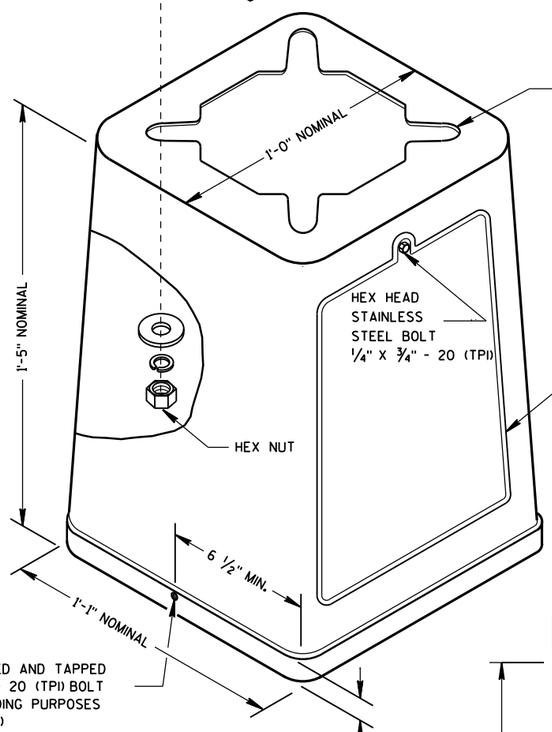


BOTTOM VIEW
(PEDESTAL BASE)

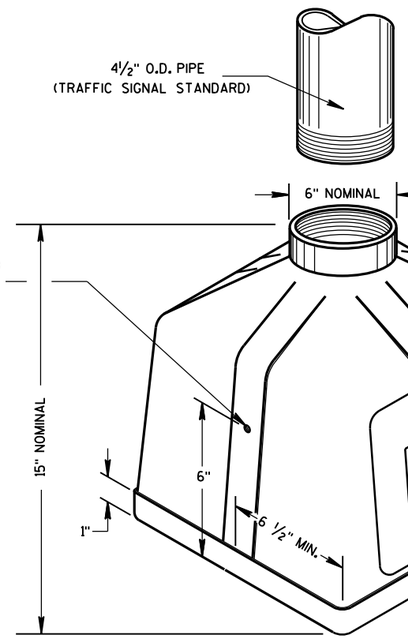


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

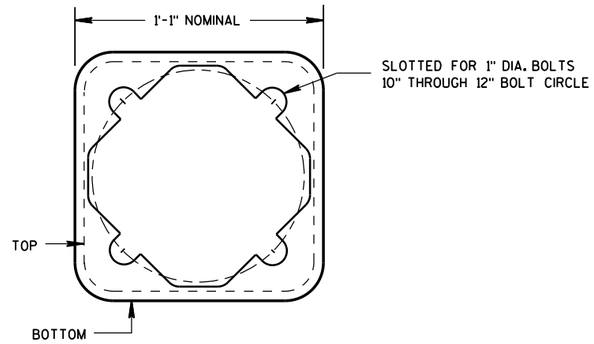


ISOMETRIC VIEW

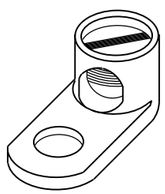


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

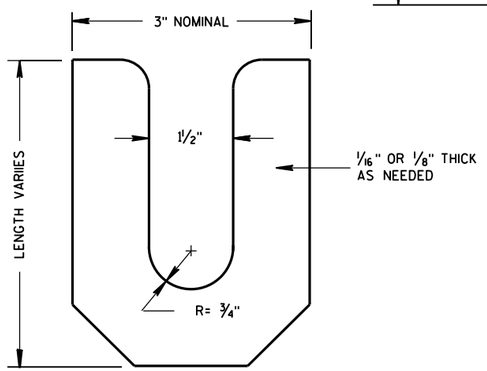


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

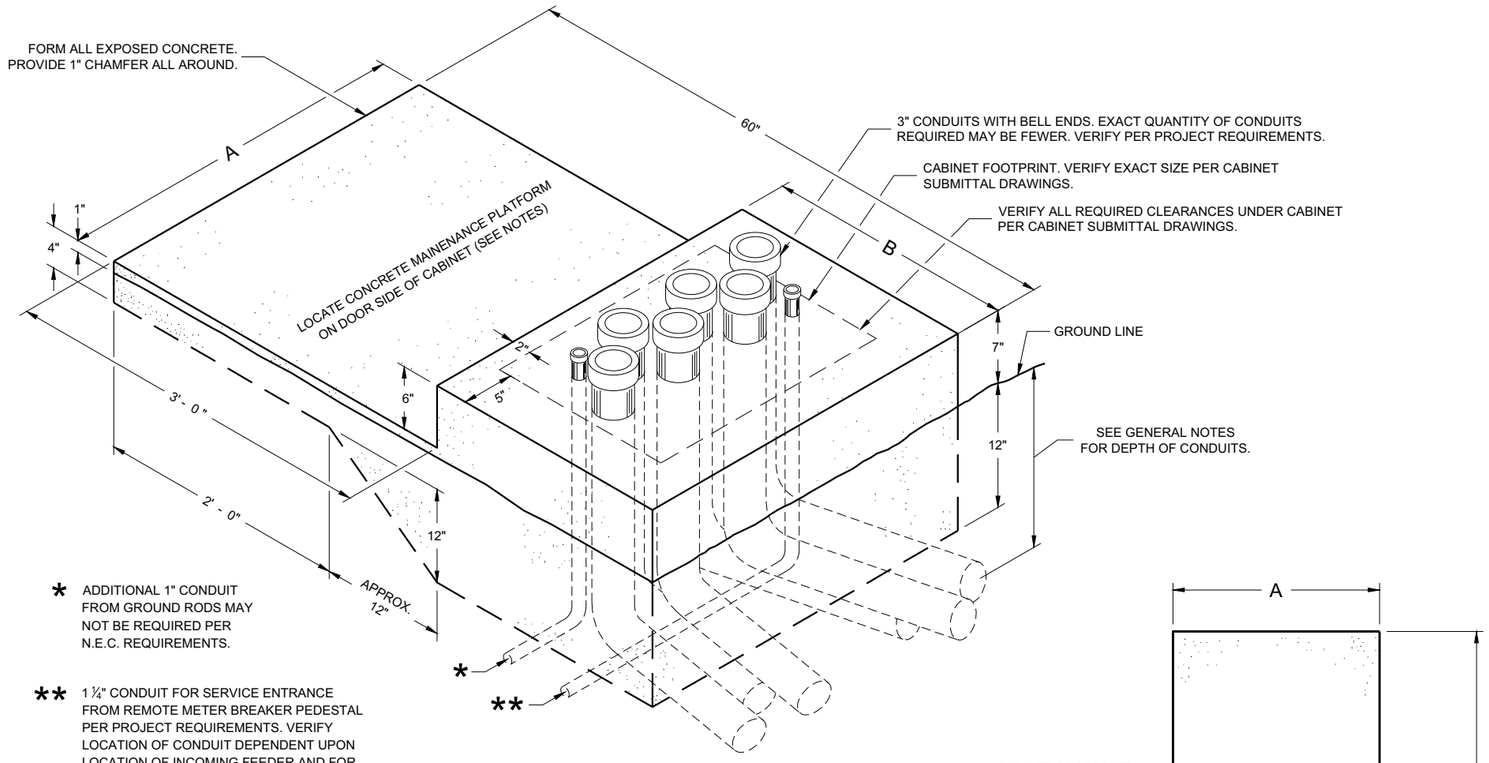
TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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S.D.D. 9 C 3-4



* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

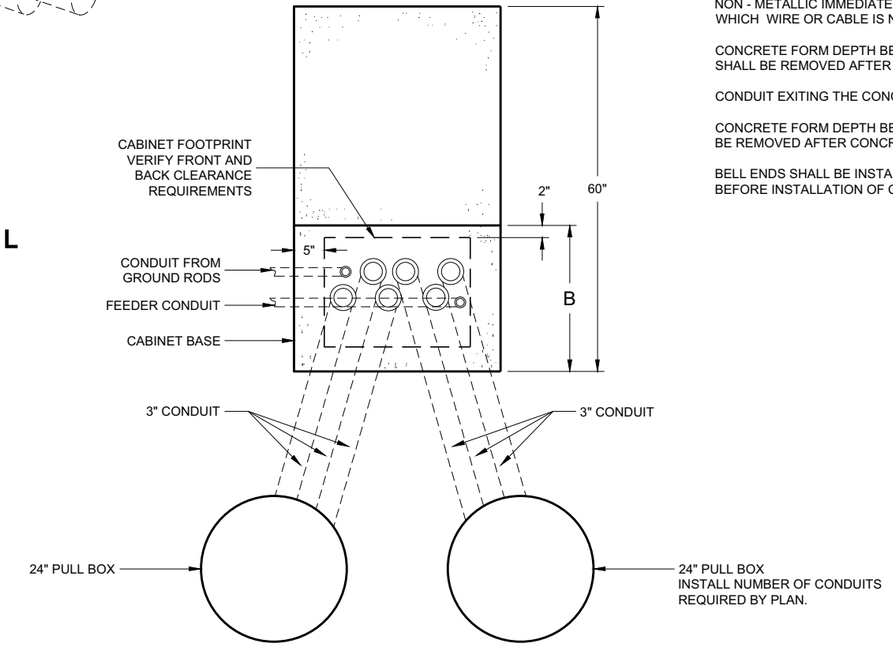
** 1 ¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

ISOMETRIC VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

(C.Y. CONCRETE = APPROX. 0.4)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSIONS		MAXIMUM 3" CONDUITS
		A	B	
L24	24"	34"	24"	4
L30	30"	40"	24"	6



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

GENERAL NOTES

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

INSTALL FOUR STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET BASES. THE ANCHORS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

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

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

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

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

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

LOCATIONS SHALL BE AS SHOWN ON THE PLANS UNLESS DETERMINED BY THE ENGINEER IN THE FIELD.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

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

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCH MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

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

CONCRETE CONTROL CABINET BASE, TYPE L

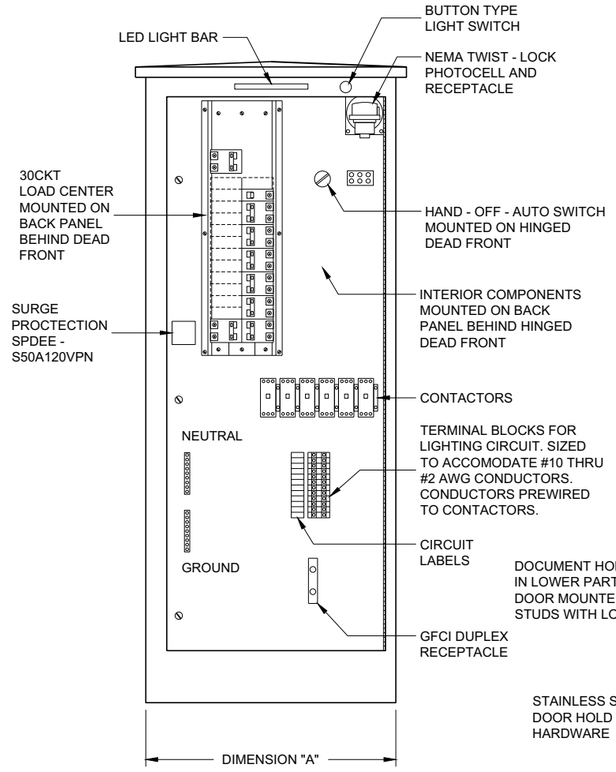
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

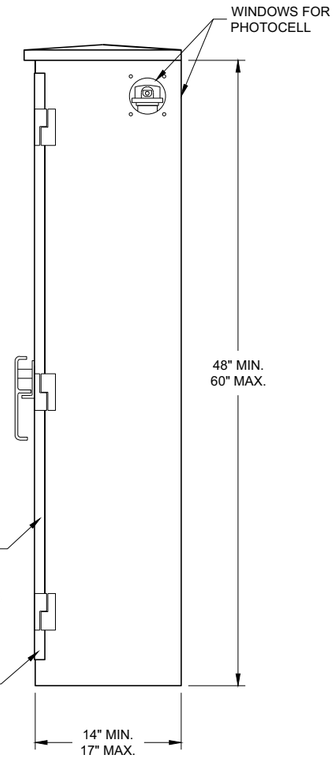
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 154

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FRONT INTERIOR ELEVATION



SIDE VIEW



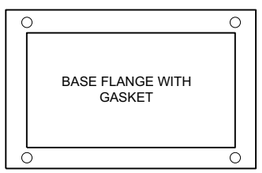
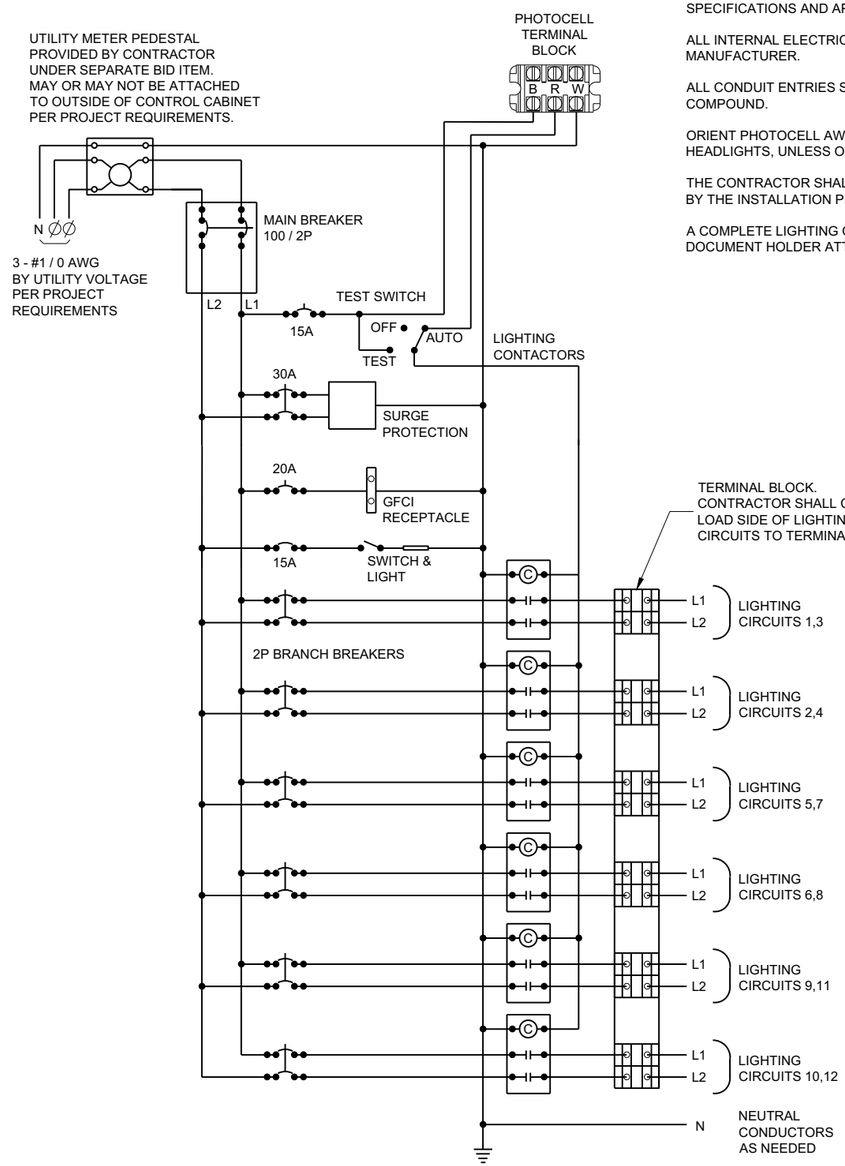


TABLE OF DIMENSIONS (INCHES)		
CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"

LIGHTING CONTROL CABINET



CONTROL CABINET SCHEMATIC

GENERAL NOTES

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

ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE - WIRED BY THE CABINENT MANUFACTURER.

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

ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS, UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISION.

THE CONTRACTOR SHALL TOUCH UP ANY DAMAGE TO THE ANODIZED FINISH CAUSED BY THE INSTALLATION PROCESS. COLOR MATCH PAINT SHALL BE USED.

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

LIGHTING CONTROL CABINET
120 / 240 VOLT

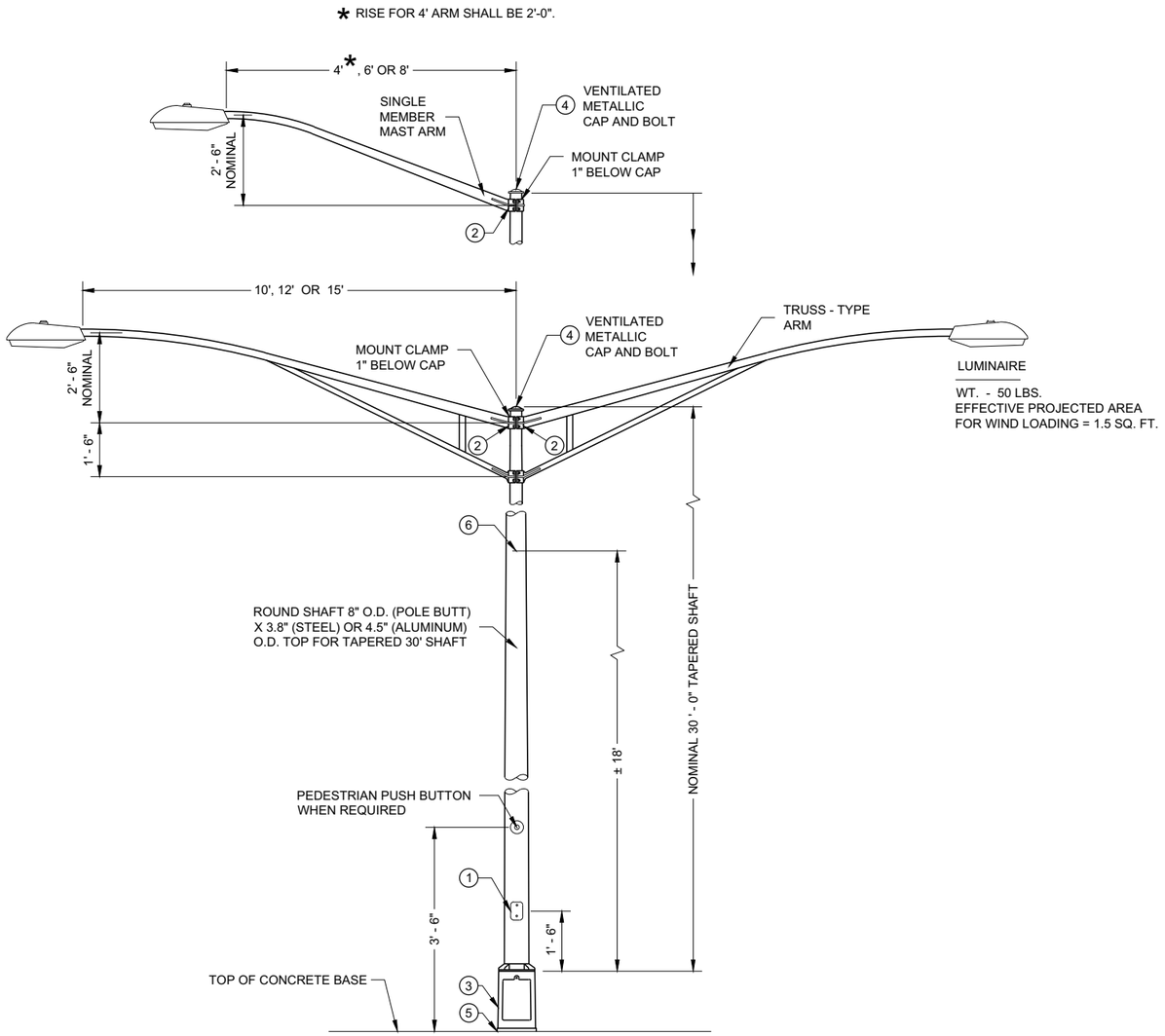
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

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TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY

GENERAL NOTES

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

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.1888".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (0.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

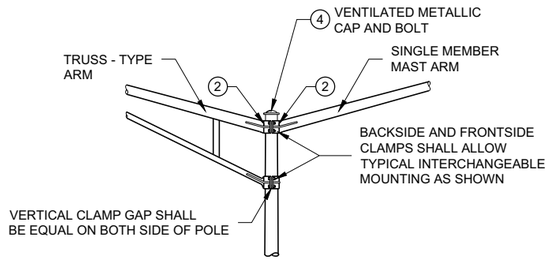
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

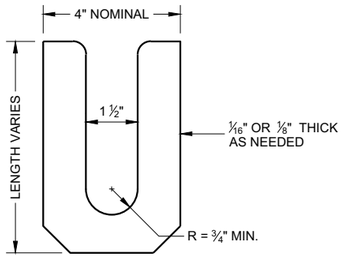
(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.



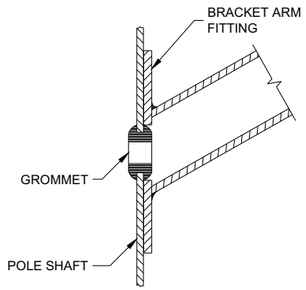
INTERCHANGEABLE MOUNTING DETAIL

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

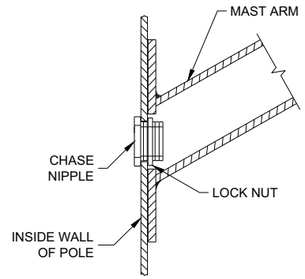
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SDD 09E01 - 15d



LEVELING SHIM (1)
SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

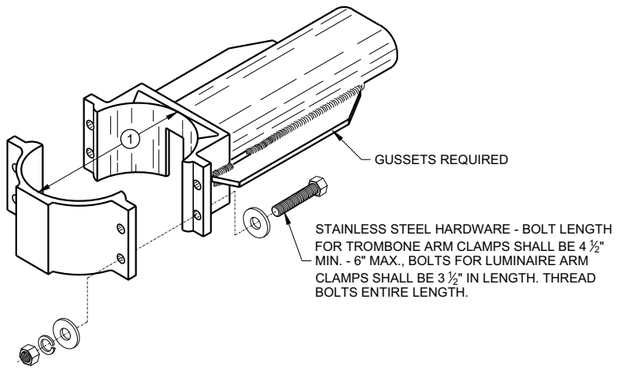
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

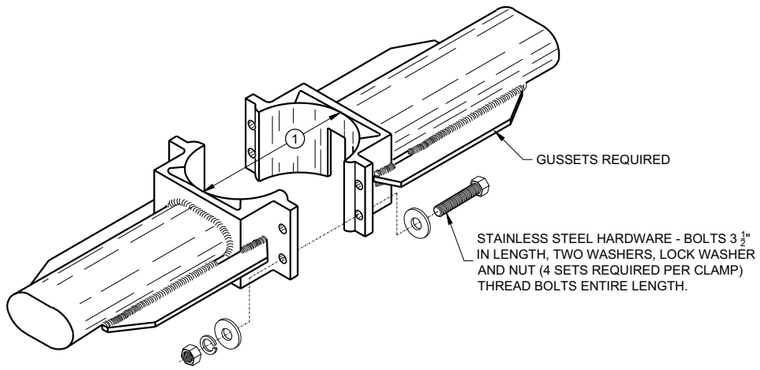
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(4) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

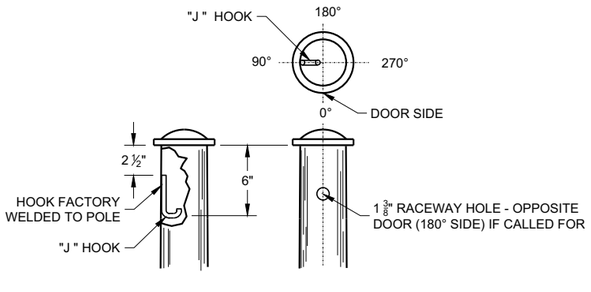
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



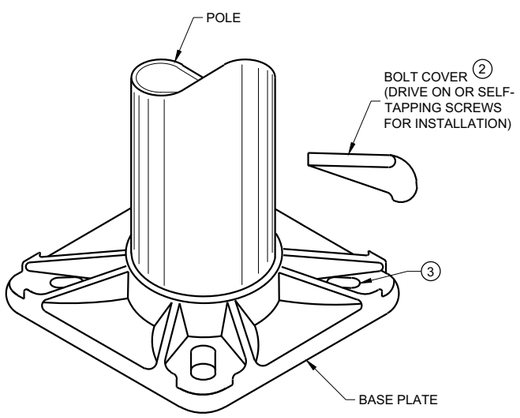
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



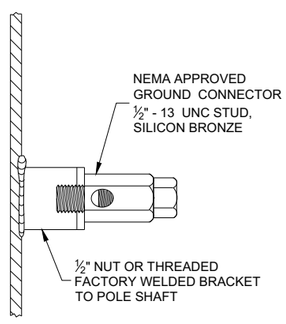
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

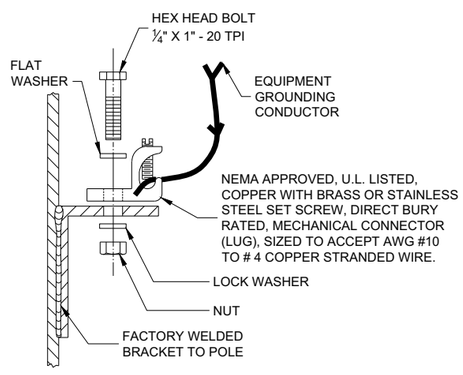


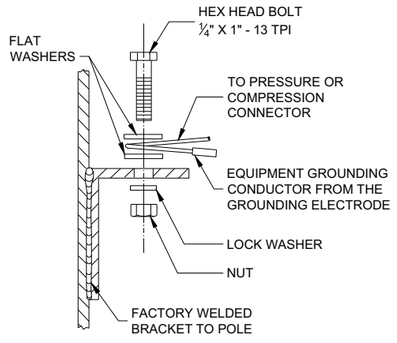
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 157

FHWA

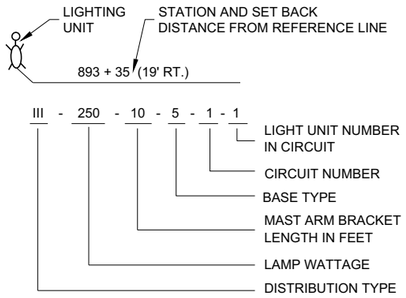
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SDD 09E01 - 15g

GENERAL NOTES

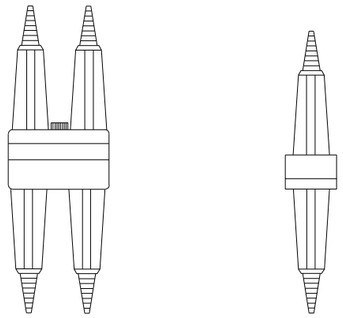
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

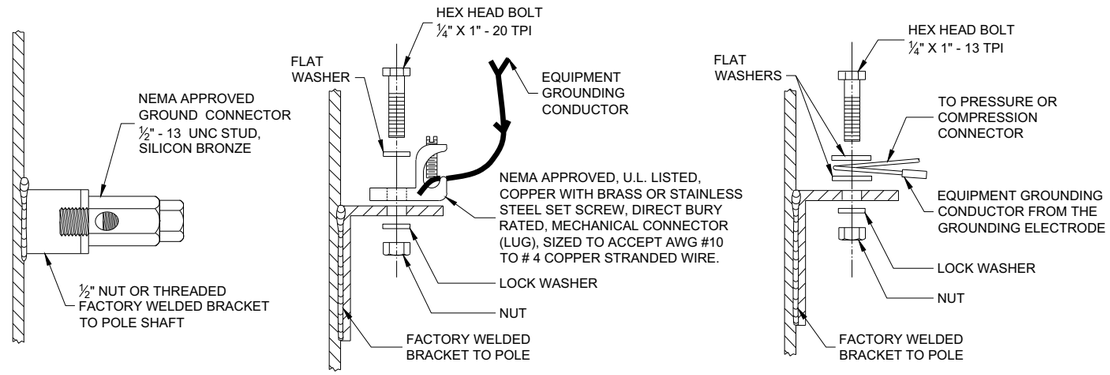


LIGHTING UNIT CODE
(TYPICAL)

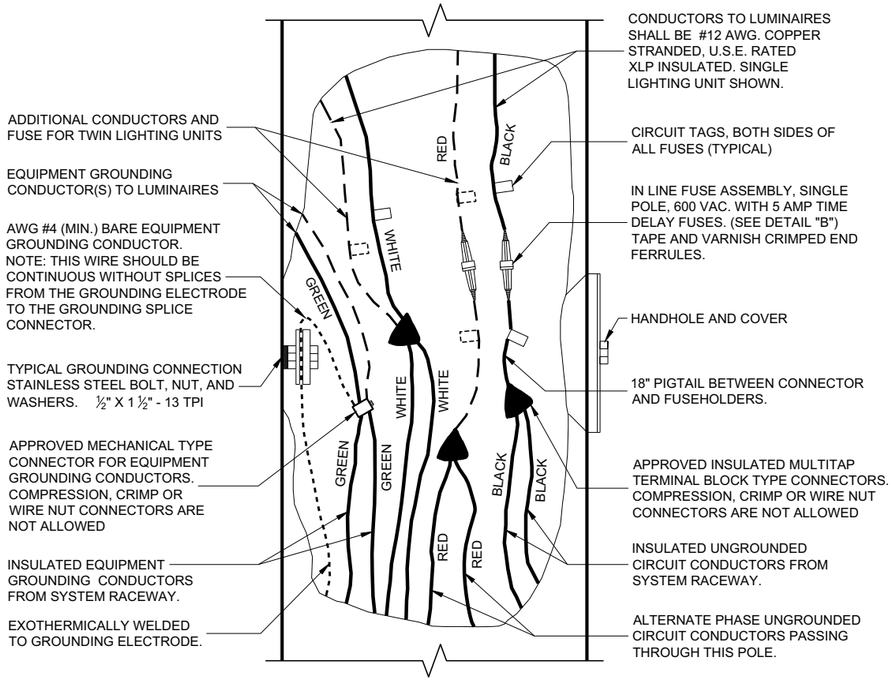


DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT

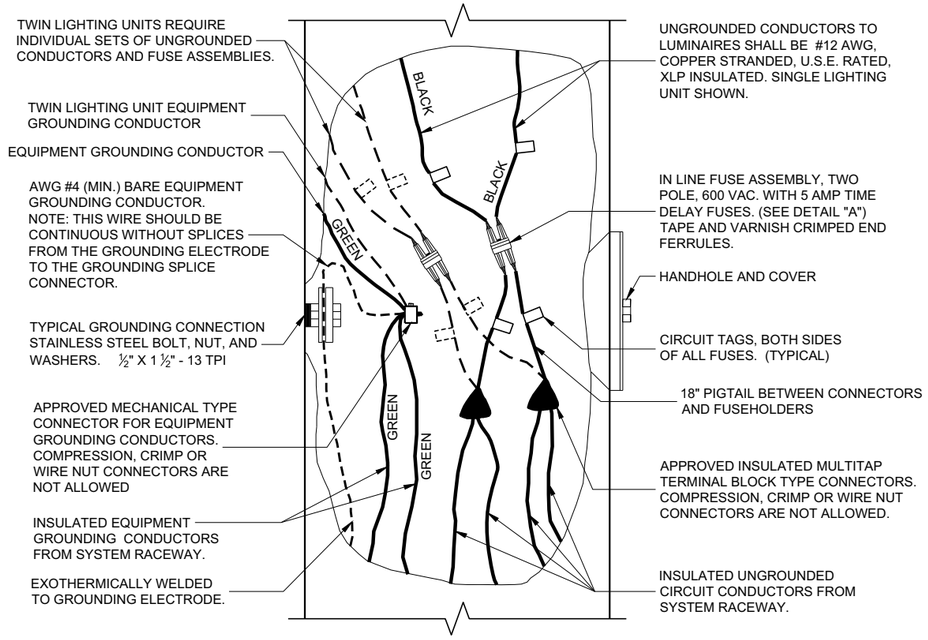
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

NON - FREEWAY LIGHTING UNIT POLE WIRING

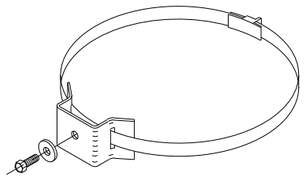
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
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STATE ELECTRICAL ENGI

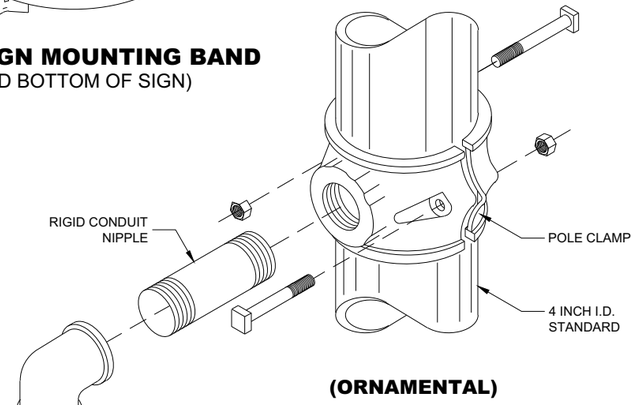
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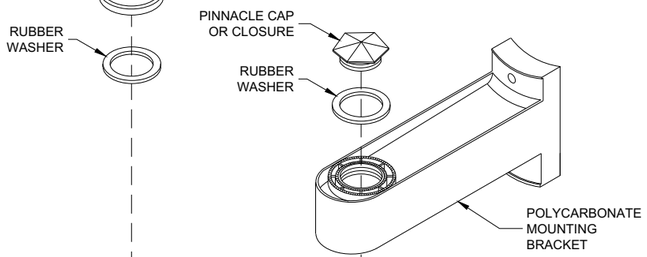
SDD 09E03 - 06



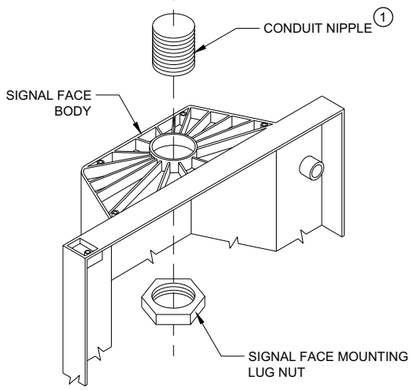
TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



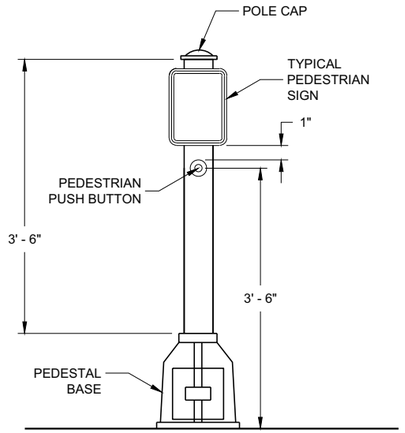
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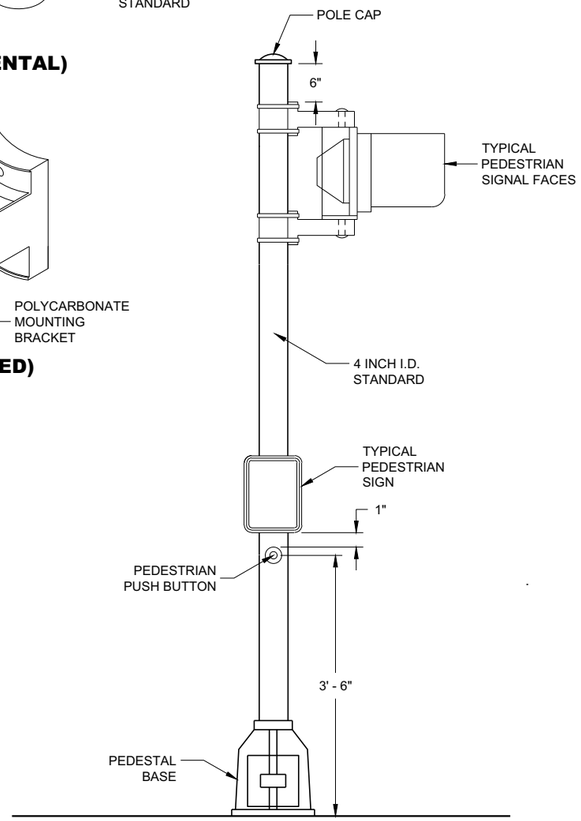
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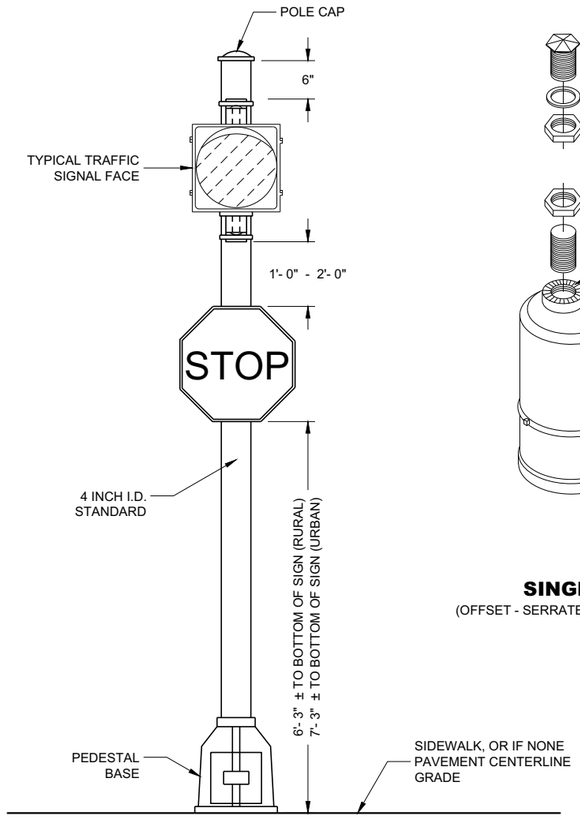
SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING



PEDESTRIAN FACE STANDARD - 10 FT.
(WALK - DON'T WALK)



STANDARD FLASHER
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS, UNLESS APPROVED BY THE ENGINEER IN THE FIELD.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

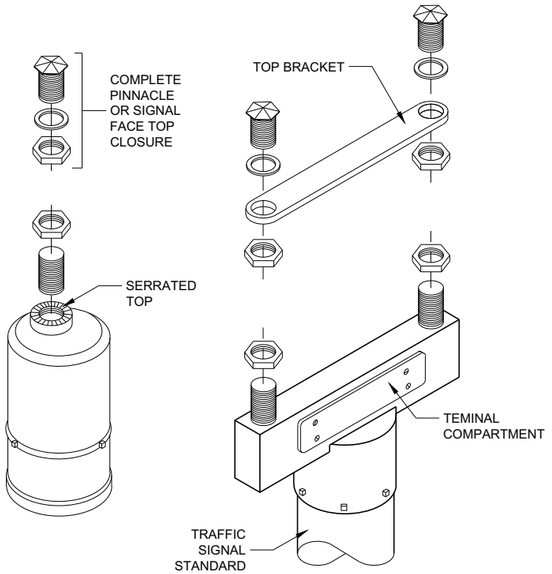
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE REGION TRAFFIC ENGINEER).

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACESAND BRACKET ENDS.



SINGLE
(OFFSET - SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

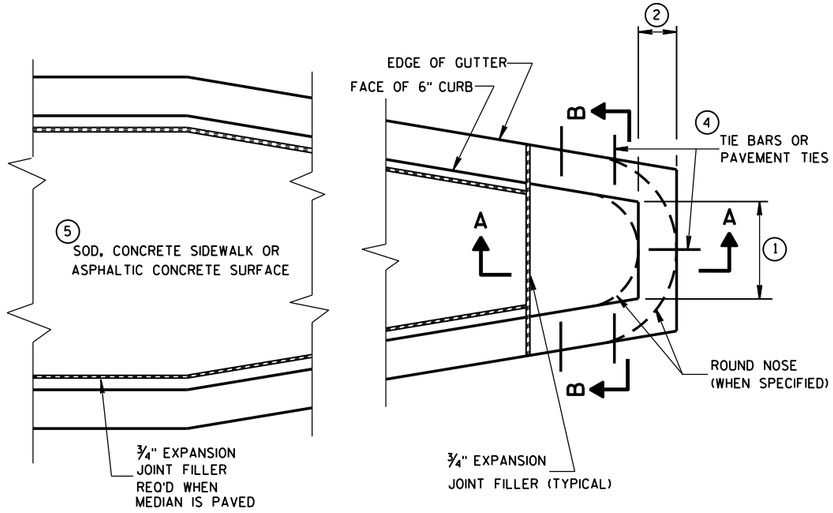
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

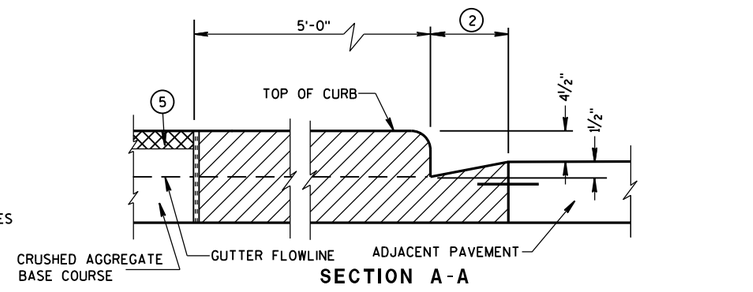
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SDD 09E07 - 06

SDD 09E07 - 06





CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

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

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

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

(1) NEW OR EXISTING CONCRETE PAVEMENT.

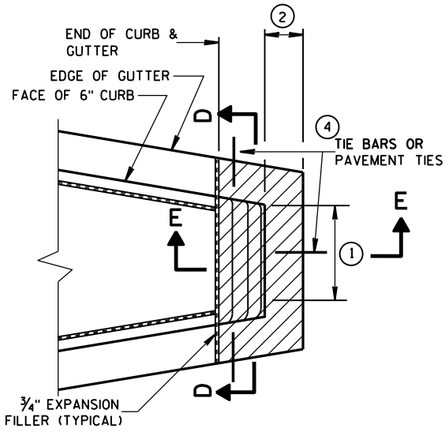
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

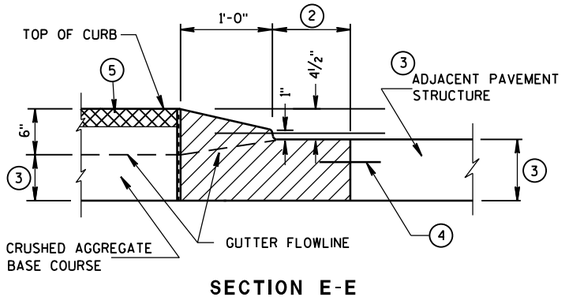
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

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

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

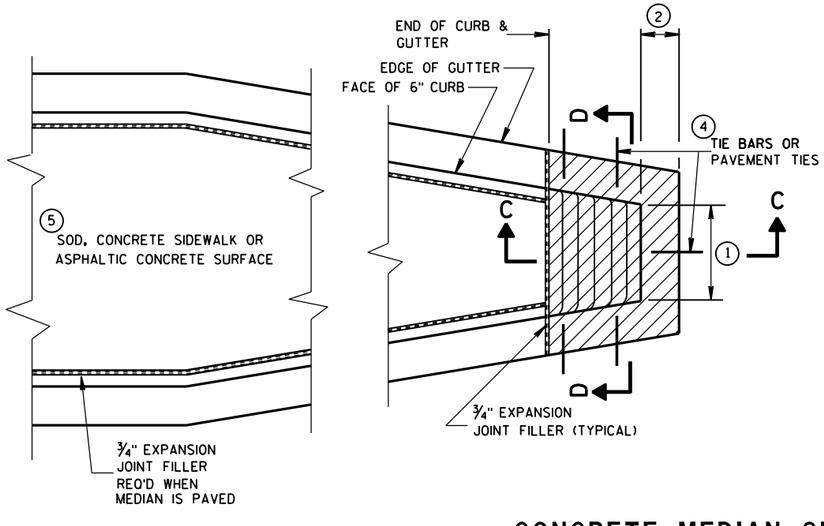
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

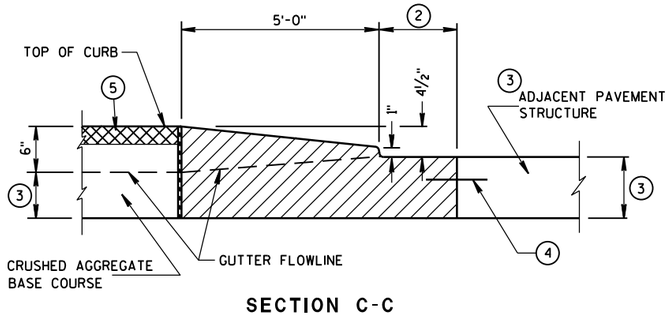




SECTION E-E

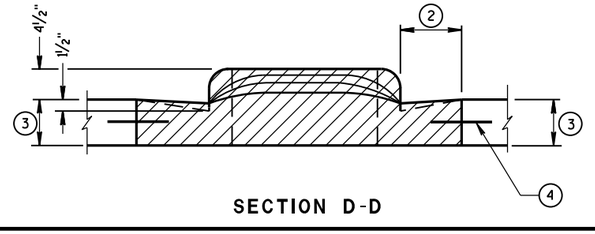
CONCRETE MEDIAN SLOPED NOSE TYPE 2





SECTION C-C

CONCRETE MEDIAN SLOPED NOSE TYPE 1



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

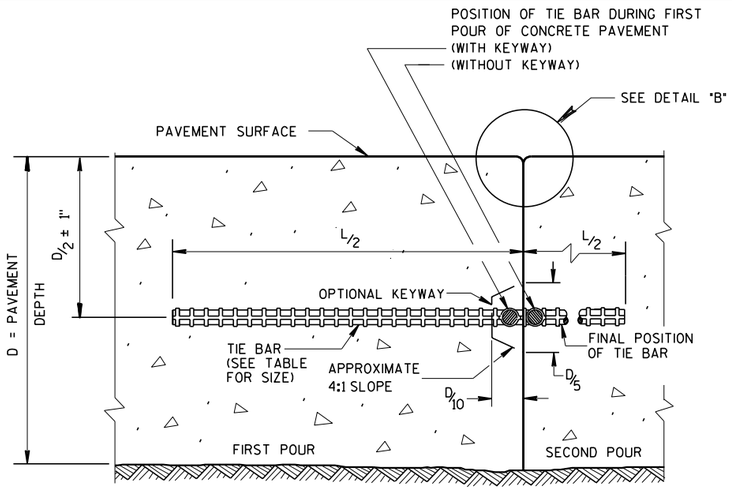
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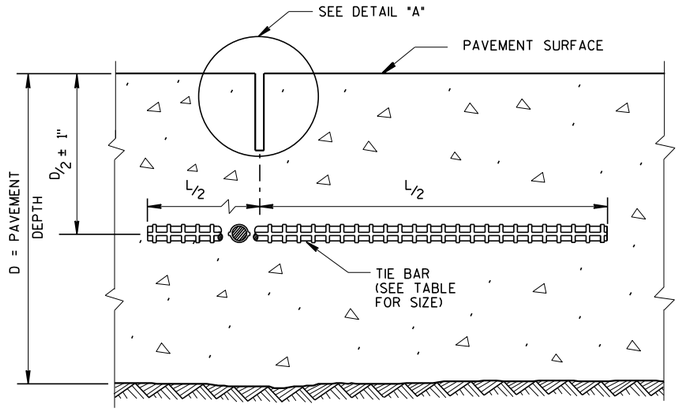
S.D.D. 11 B 2-2

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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.

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

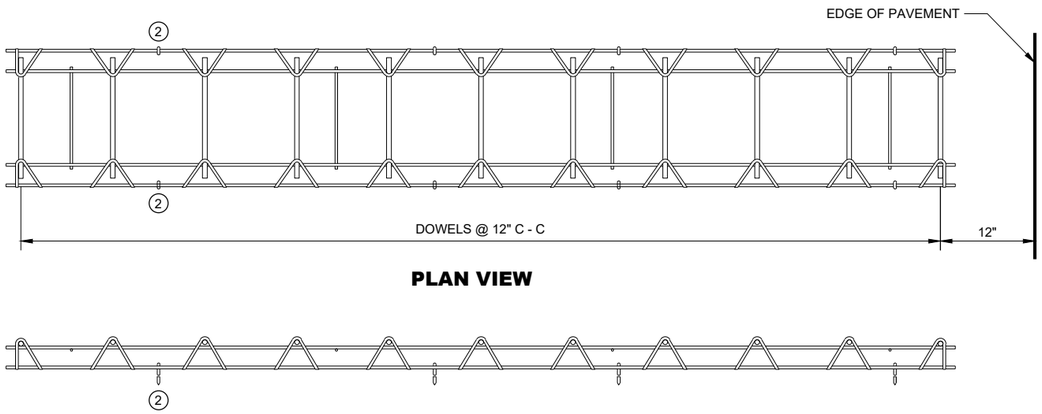
APPROVED
March 2018 — DATE
/S/ Peter Kemp PE — PAVEMENT SUPE
FHWA

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S.D.D. 13 C 1-19

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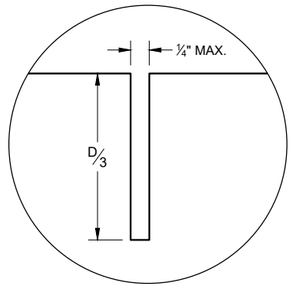
S.D.D. 13 C 1-19



PLAN VIEW

SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY (1)



JOINT DETAIL

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 FROM AND A MAXIMUM OF 18 INCHES FROM THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO THE 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 CONSTRUCTION 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.

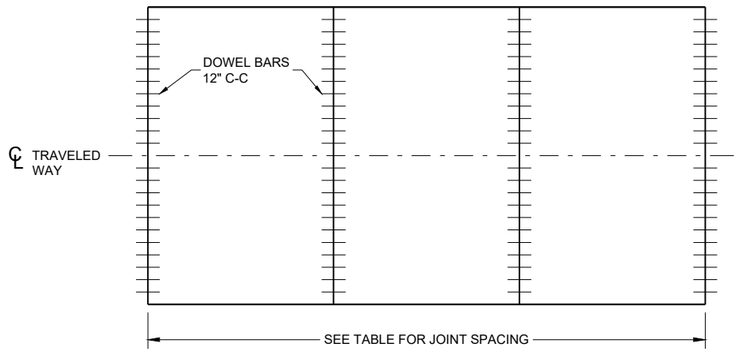
(3) FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼" RADIUS AT FORMED JOINTS.

(4) PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

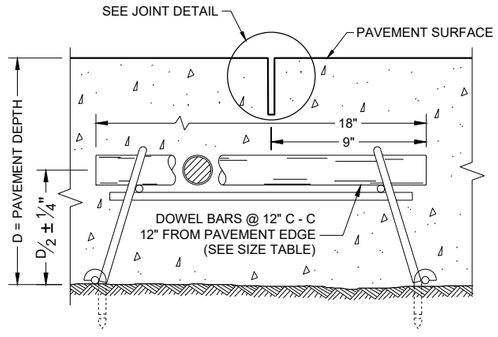
(5) INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C - C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO THE "DRILLED 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 AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛" GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



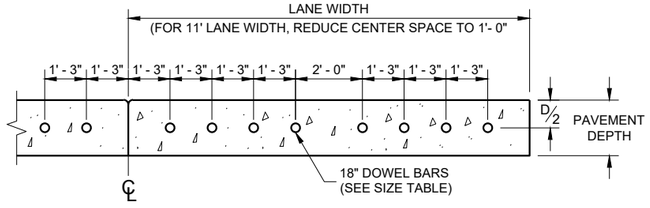
CONTRACTION JOINT LOCATIONS



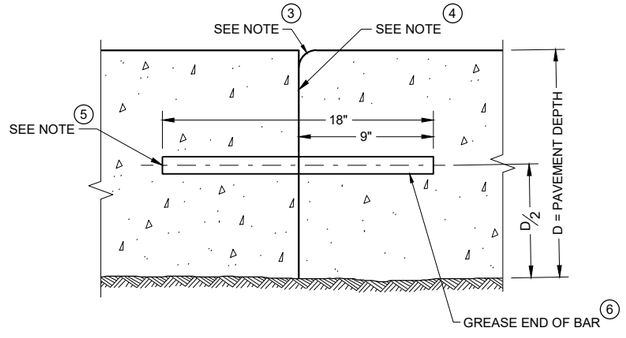
DOWELED CONTRACTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8" & ABOVE	1 ¼"	15'



DRILLED DOWEL BAR CONSTRUCTION JOINT (7)



TRANSVERSE CONSTRUCTION JOINT

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

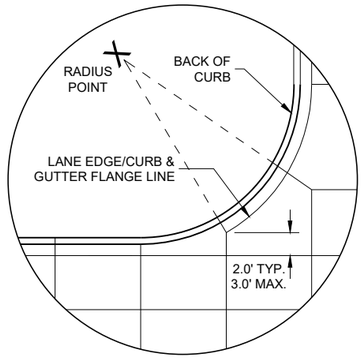
APPROVED
November 2022
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

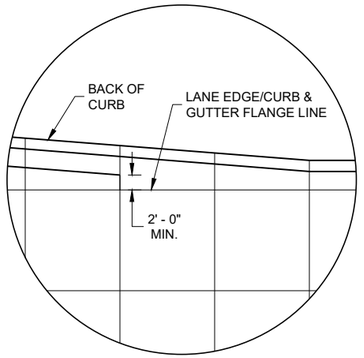
FHWA

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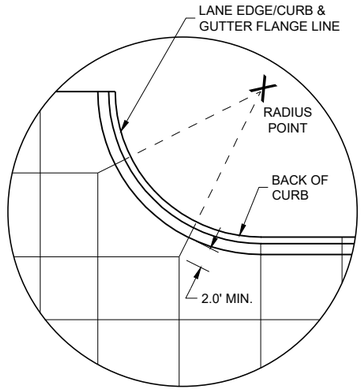
SDD 13C13 - 11



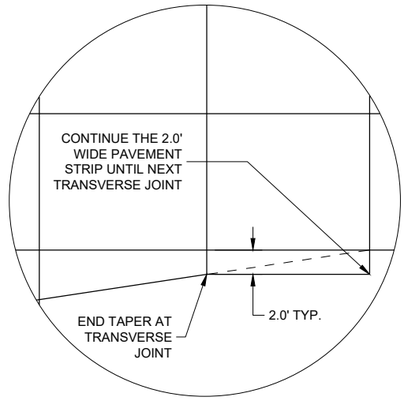
DETAIL "A"



DETAIL "B"



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.

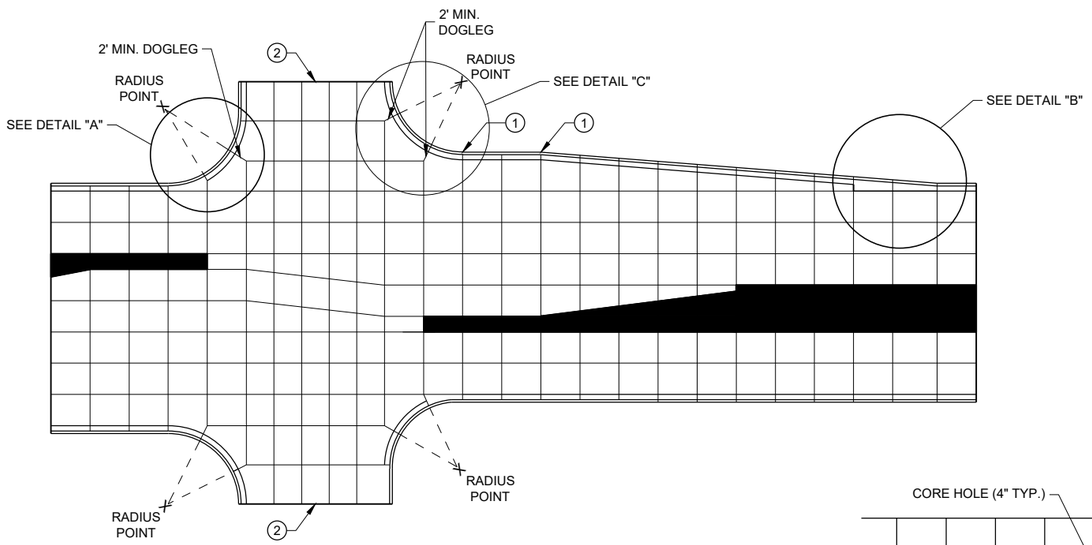
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

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.

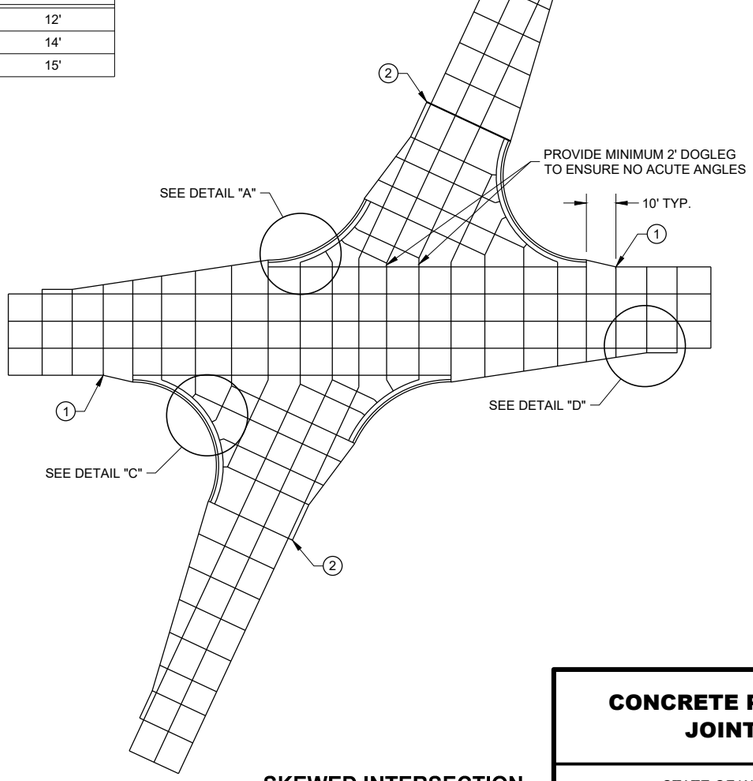
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



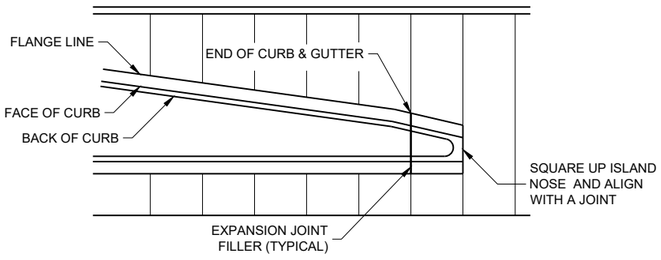
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

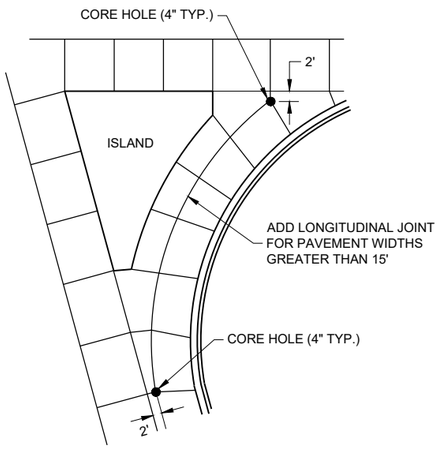
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 13C18 - 08a

6

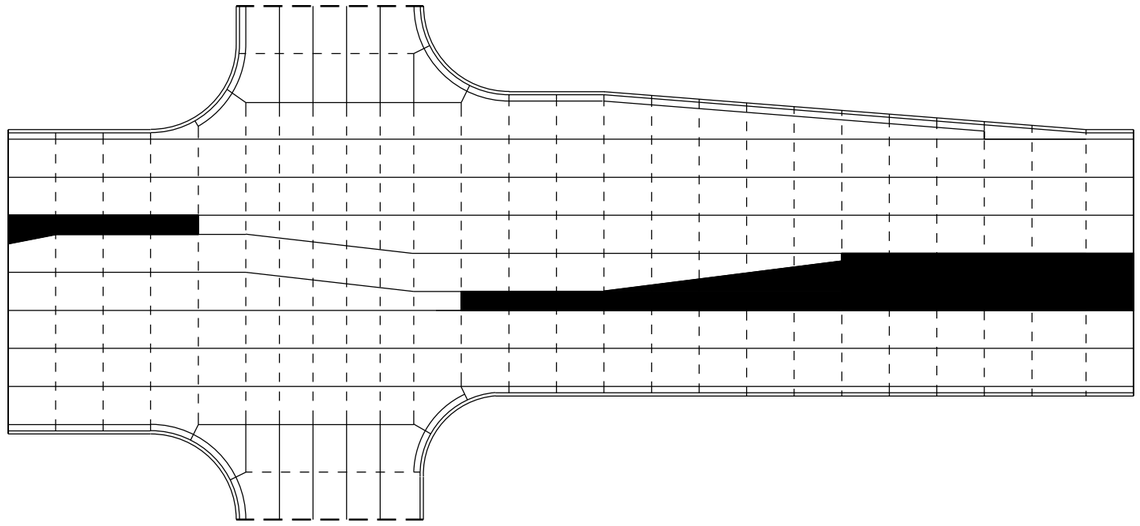
SDD 13C18 - 08a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

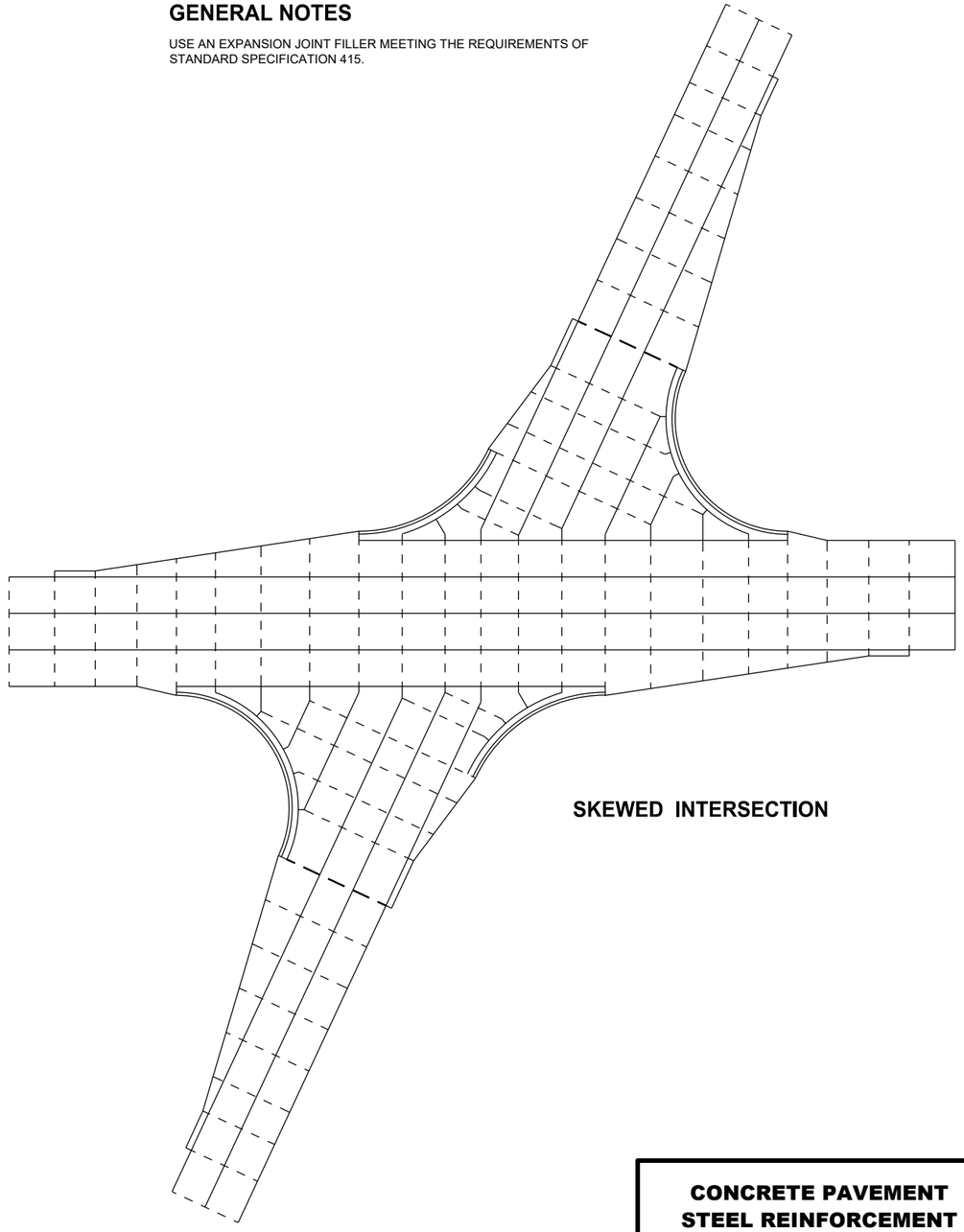
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

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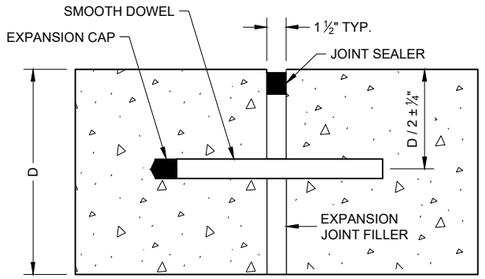
SDD 13C18 - 08b

CONCRETE PAVEMENT STEEL REINFORCEMENT

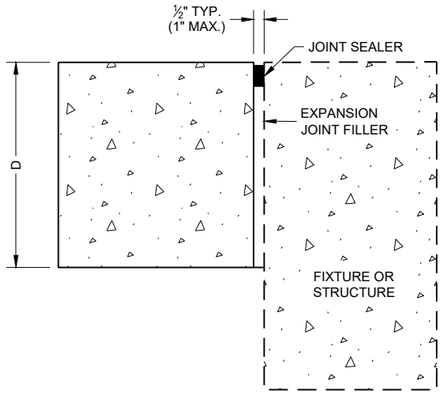
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

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SDD 13C18 - 08b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

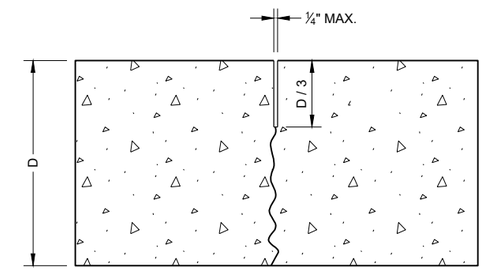
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

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

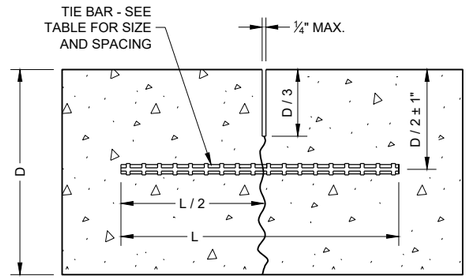
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

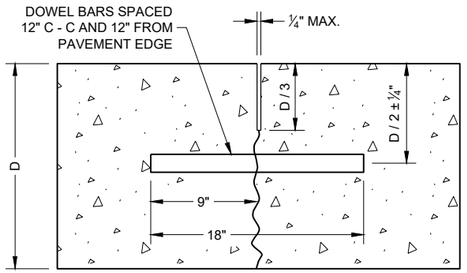
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



UNDOWELED TRANSVERSE

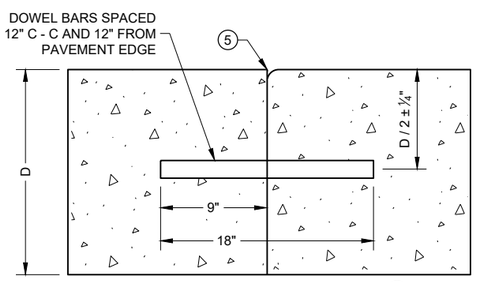


TIED LONGITUDINAL

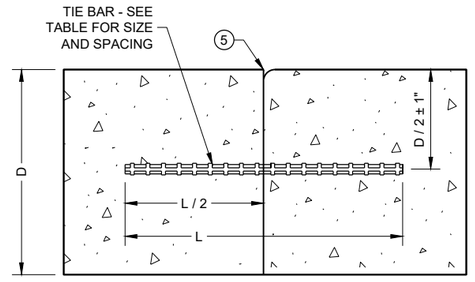


DOWELED TRANSVERSE

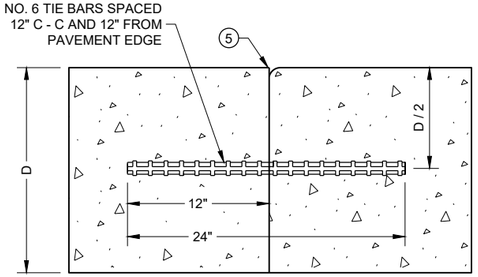
CONTRACTION JOINTS (2)



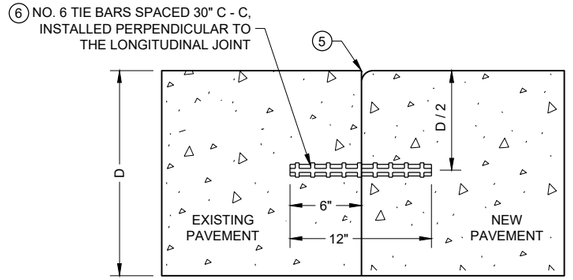
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



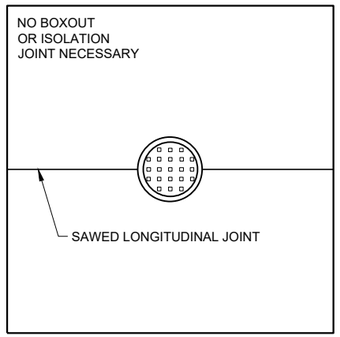
TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



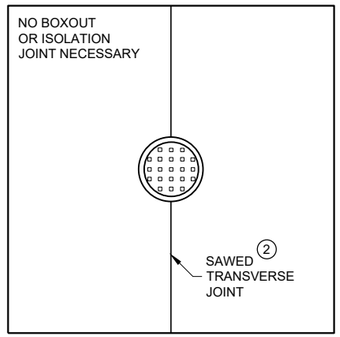
TIED LONGITUDINAL TO EXISTING

CONSTRUCTION JOINTS (4)

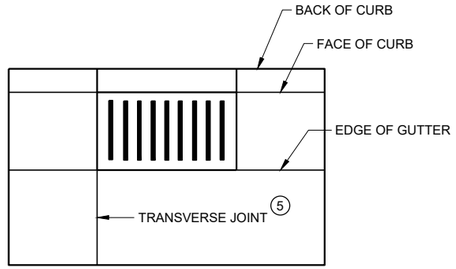
CONCRETE PAVEMENT JOINT TYPES



MANHOLE WITH LONGITUDINAL JOINT



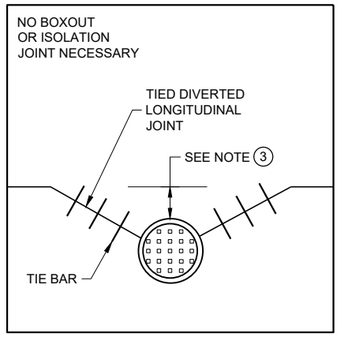
MANHOLE WITH TRANSVERSE JOINT



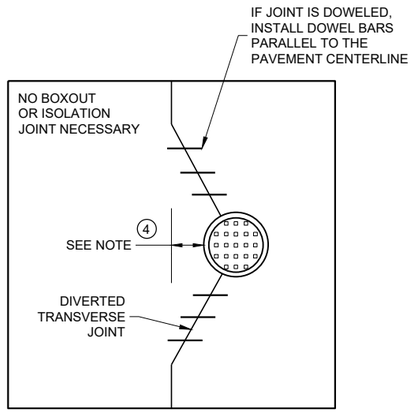
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

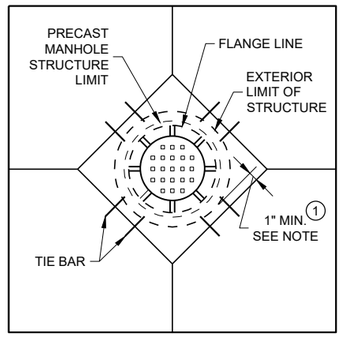
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

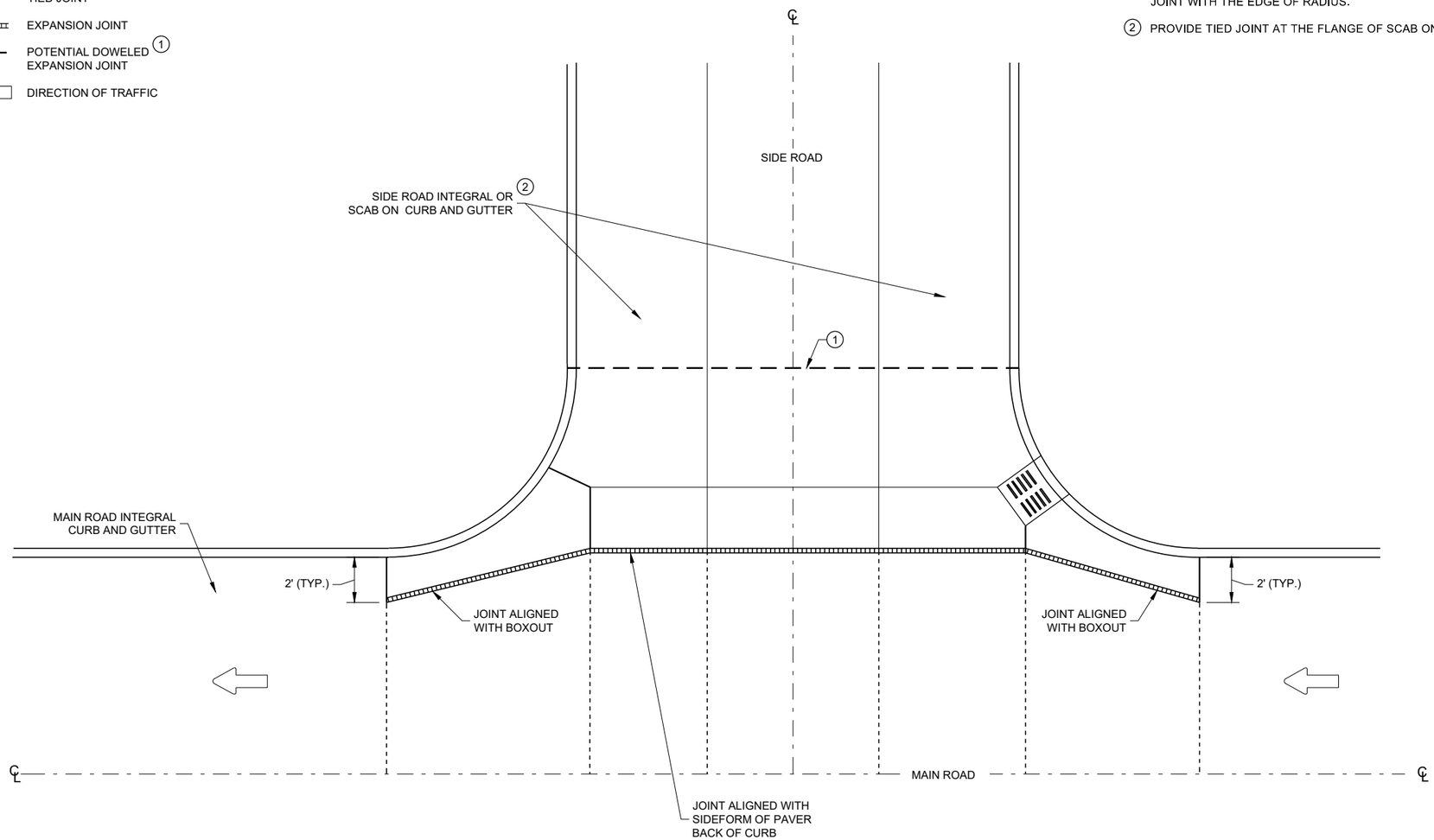
FHWA

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SDD13C18 - 08d
SDD13C18 - 08d

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT (1)
- DIRECTION OF TRAFFIC



GENERAL NOTES

(1) 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 THE EDGE OF RADIUS.

(2) PROVIDE TIED JOINT AT THE FLANGE OF SCAB ON CURB IF SCAB ON CURB AND GUTTER IS USE.

INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

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DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

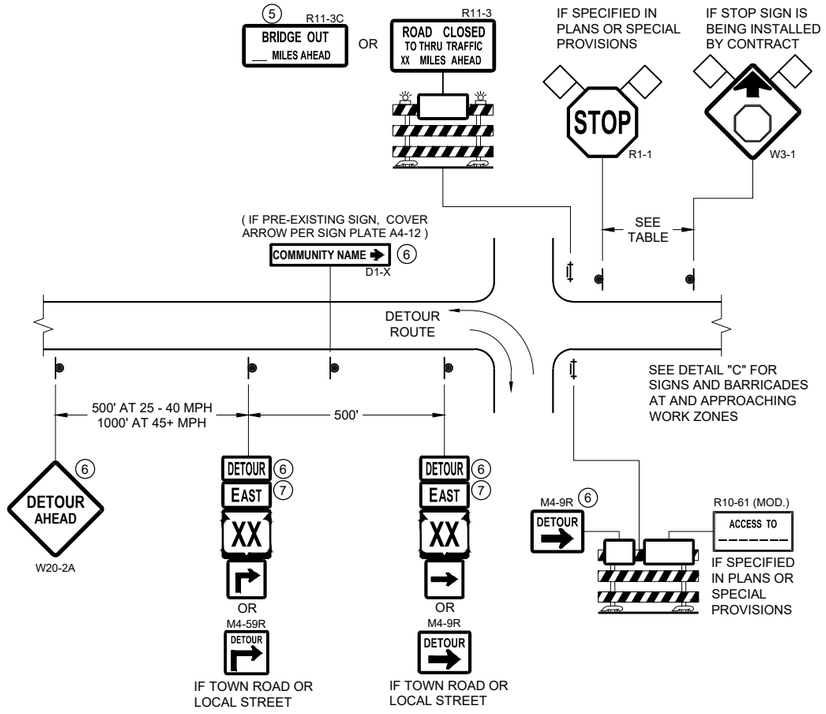
FHWA

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SDD 13C18 - 08f

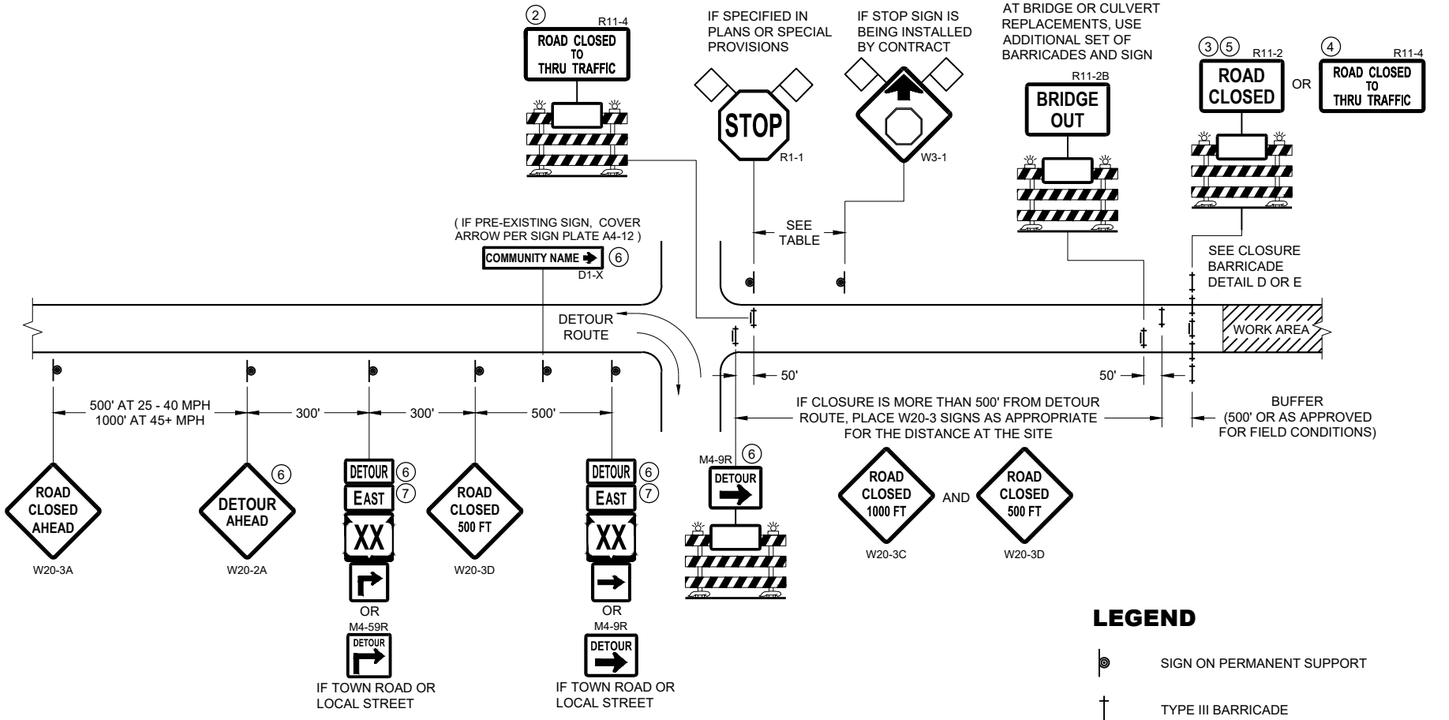
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SDD 13C18 - 08f



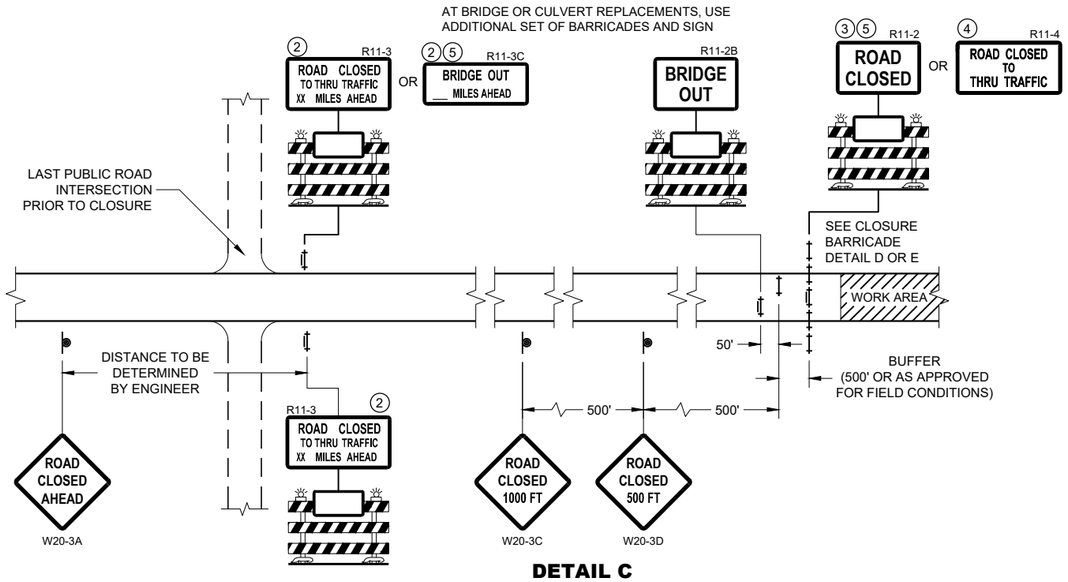
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

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

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

LEGEND

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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

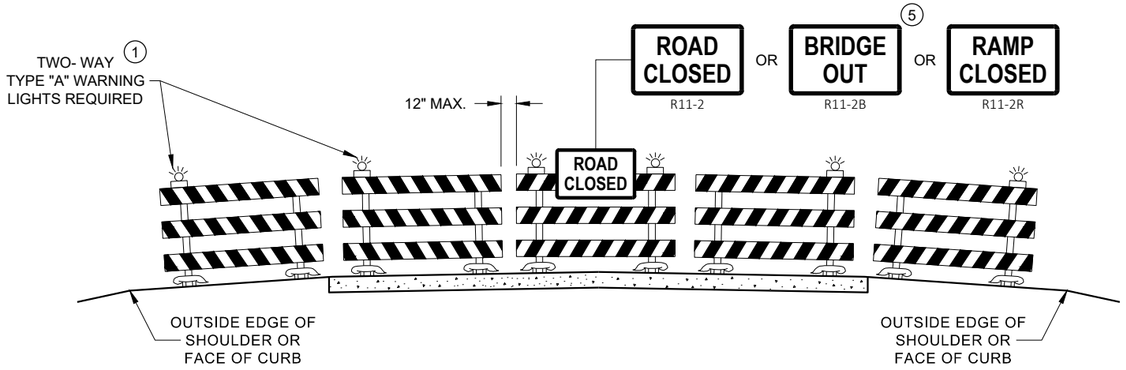
APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

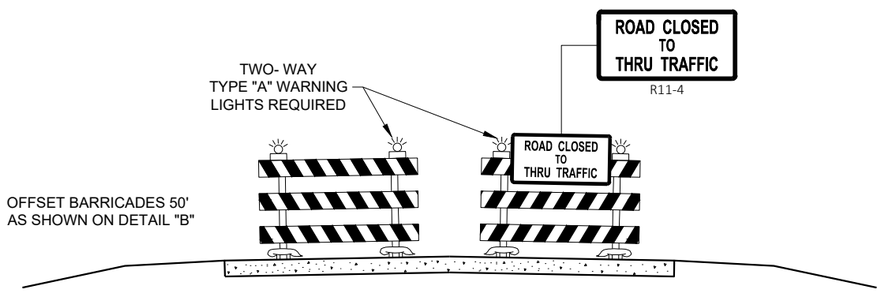
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SDD 15C02 - 09a

SDD 15C02 - 09a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

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

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

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

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

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SDD 15C02 - 09b

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SDD 15C02 - 09b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

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

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

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

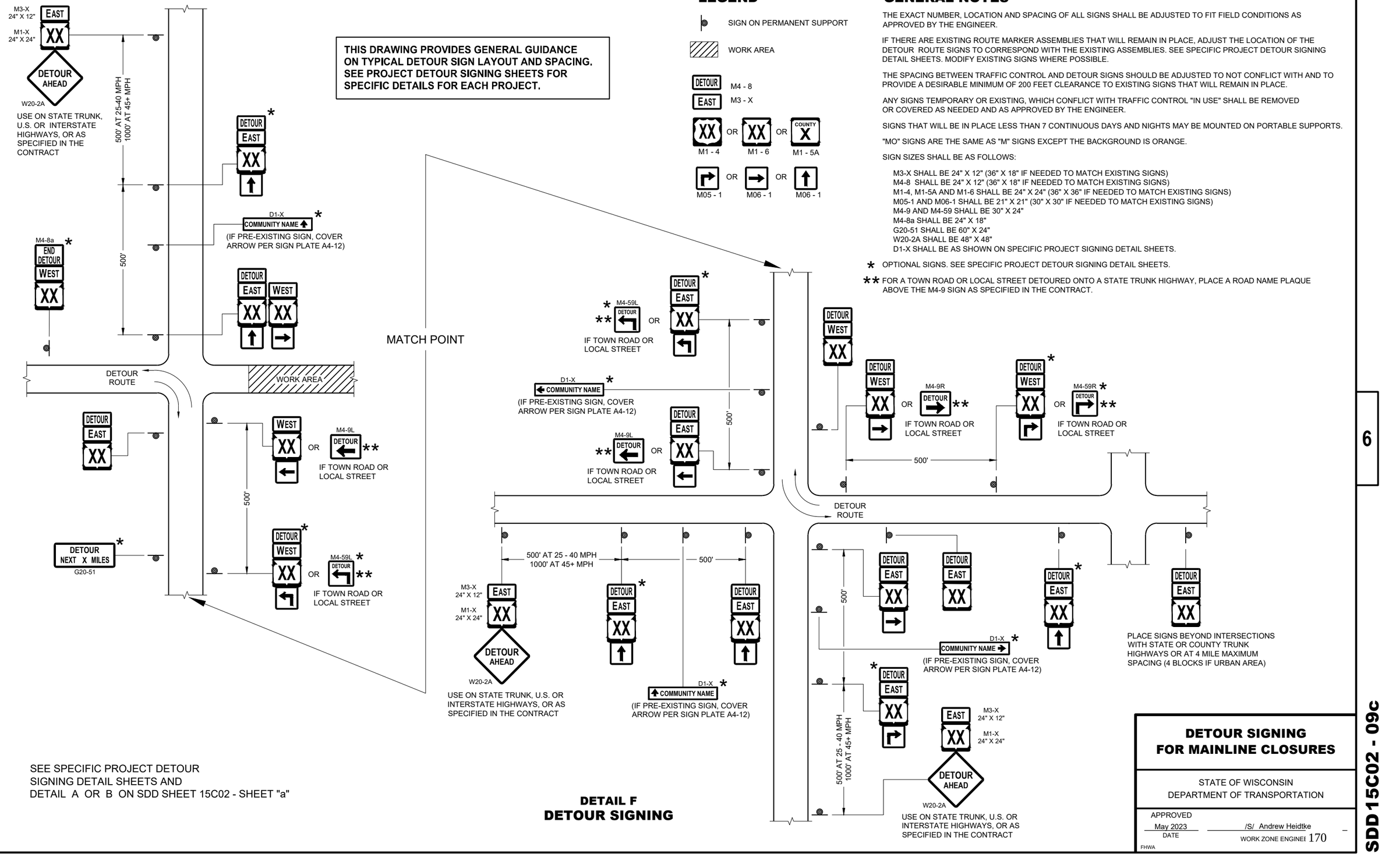
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (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)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

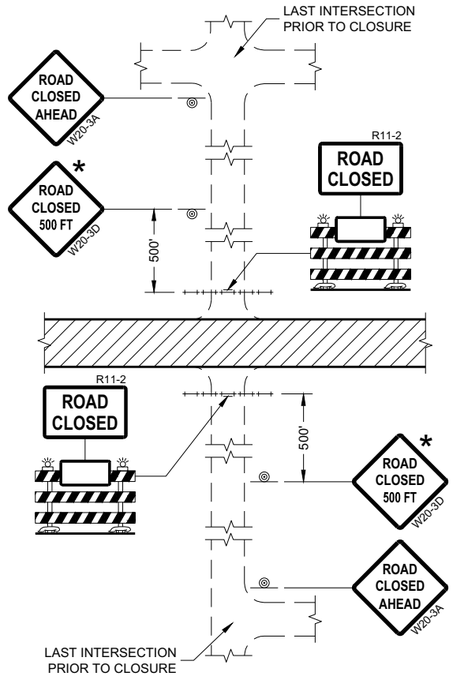
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

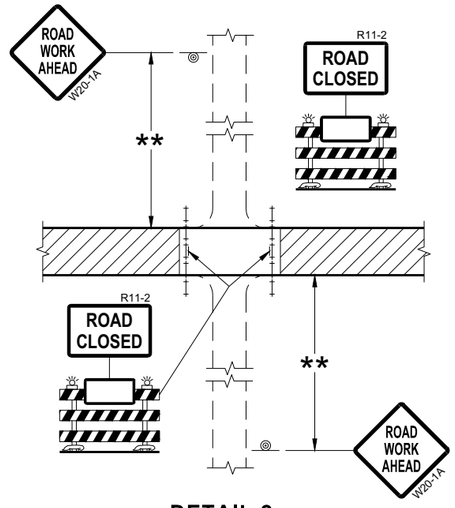
FHWA

6

SDD 15C02 - 09c



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)

GENERAL NOTES

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

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

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

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

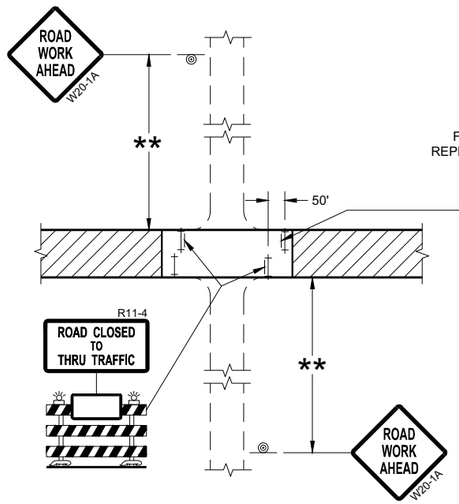
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

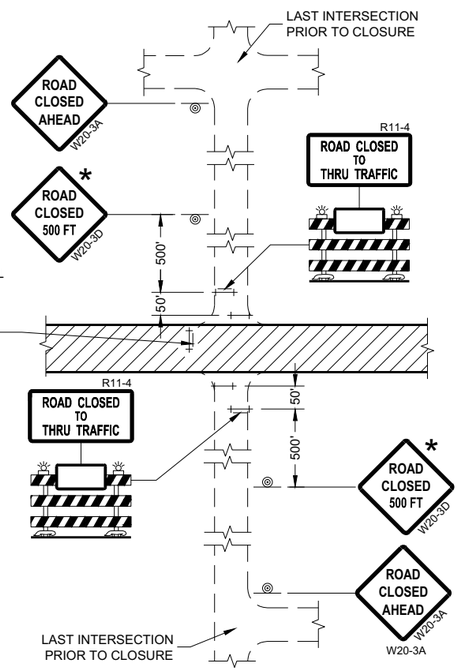
ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

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6

SDD 15C03 - 05

SDD 15C03 - 05

GENERAL NOTES

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

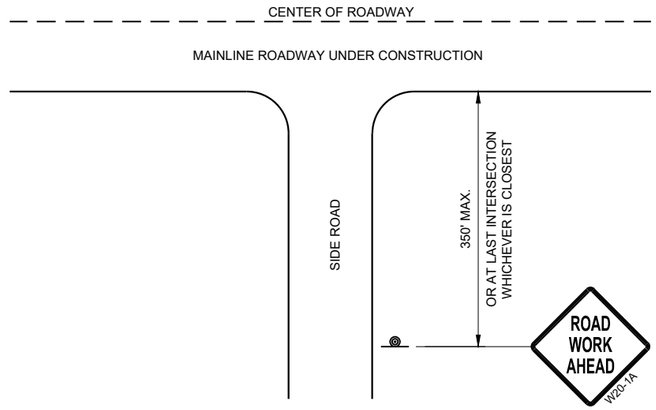
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

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

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

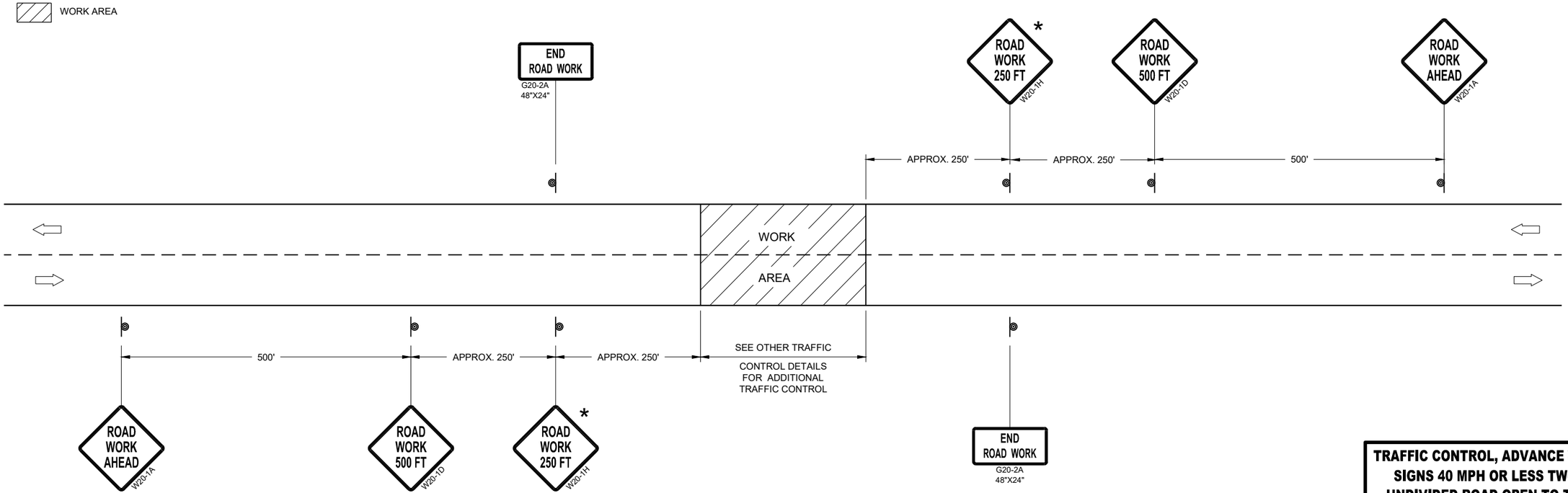
* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

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



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

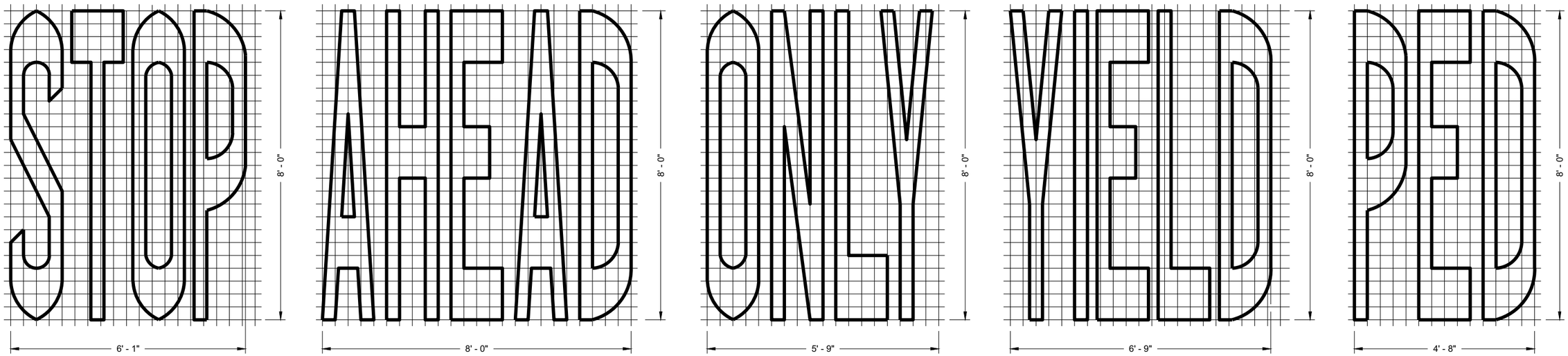
APPROVED
July 2018
DATE

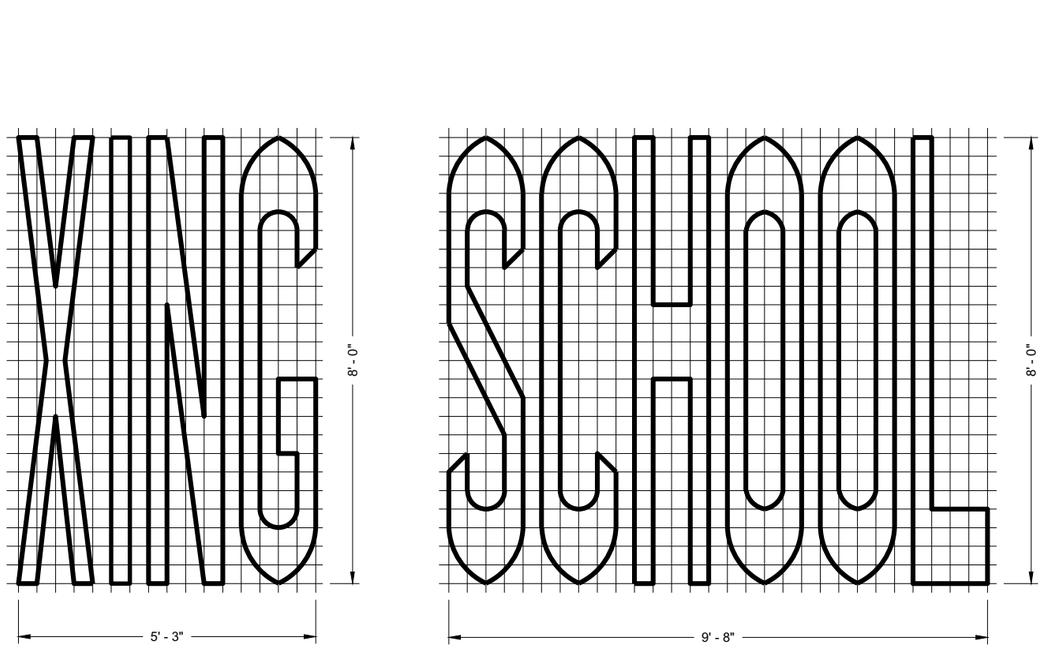
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

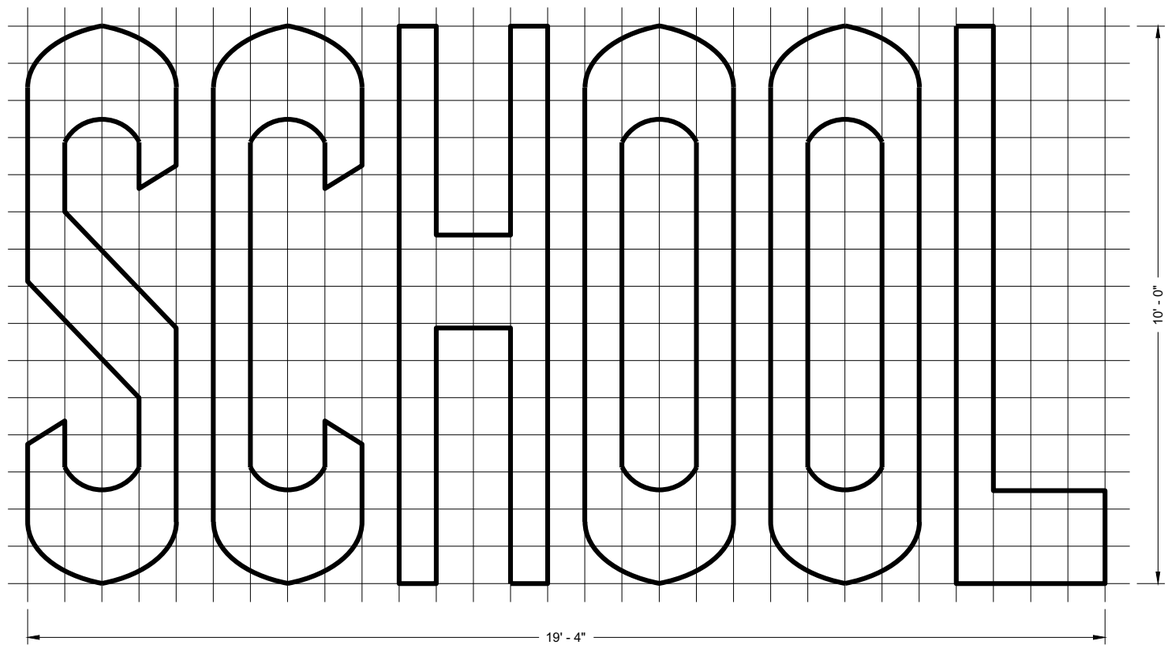
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SDD 15C05 - 05





SINGLE LANE



TWO - LANE

GENERAL NOTES

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

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

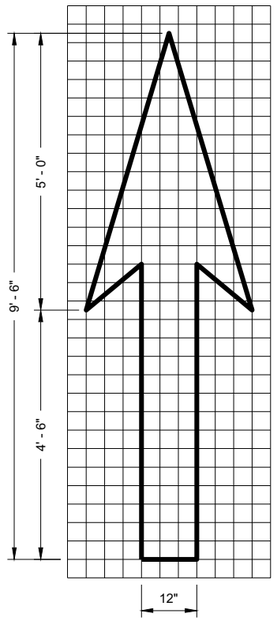
/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

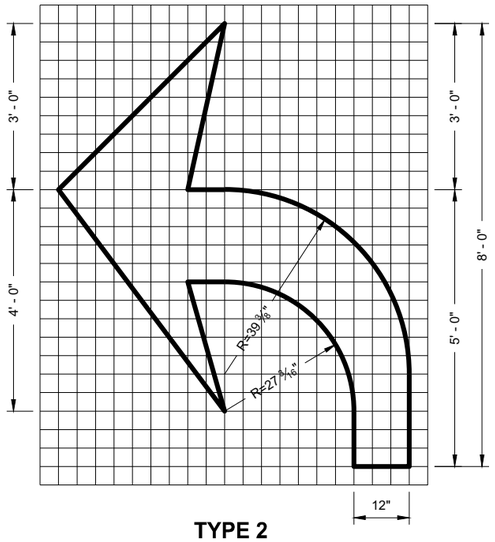
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SDD 15C07 - 15b

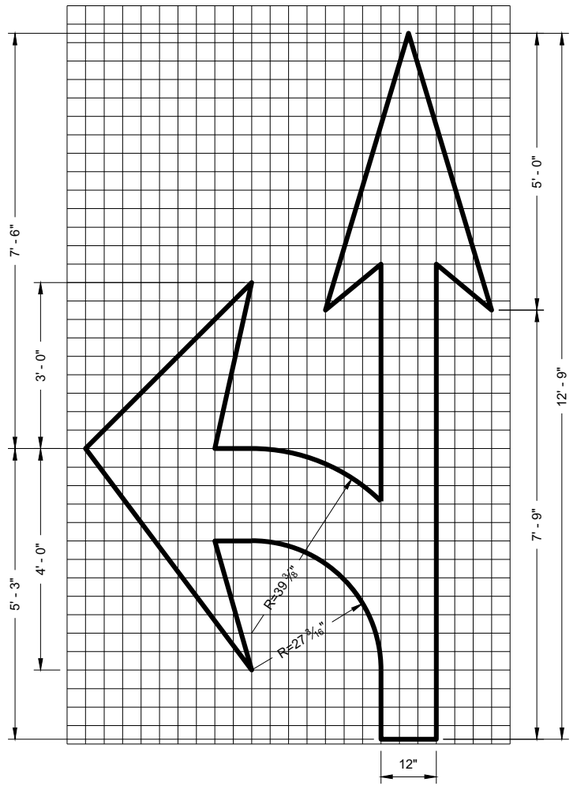
SDD 15C07 - 15b



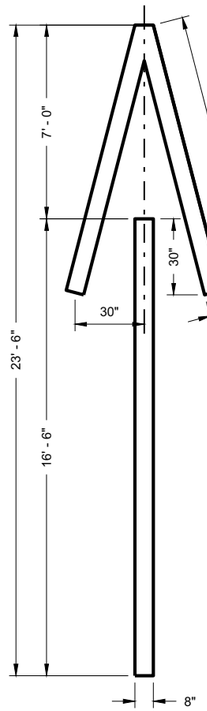
TYPE 1



TYPE 2



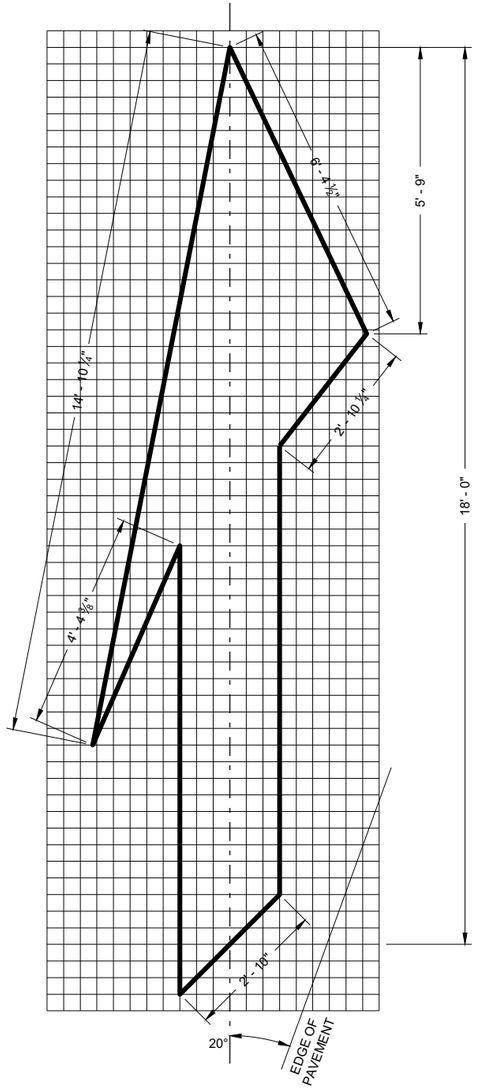
TYPE 3



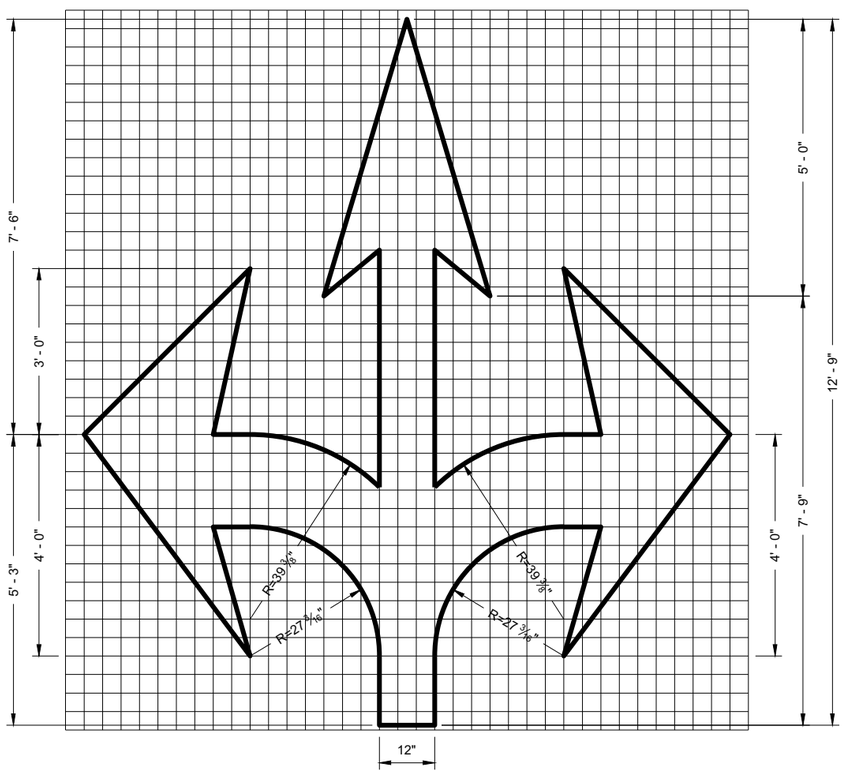
TYPE 4

GENERAL NOTES

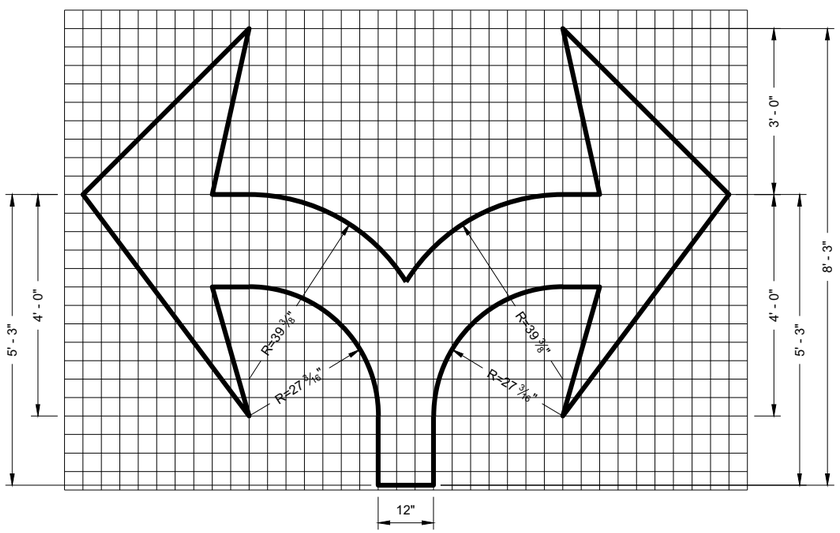
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

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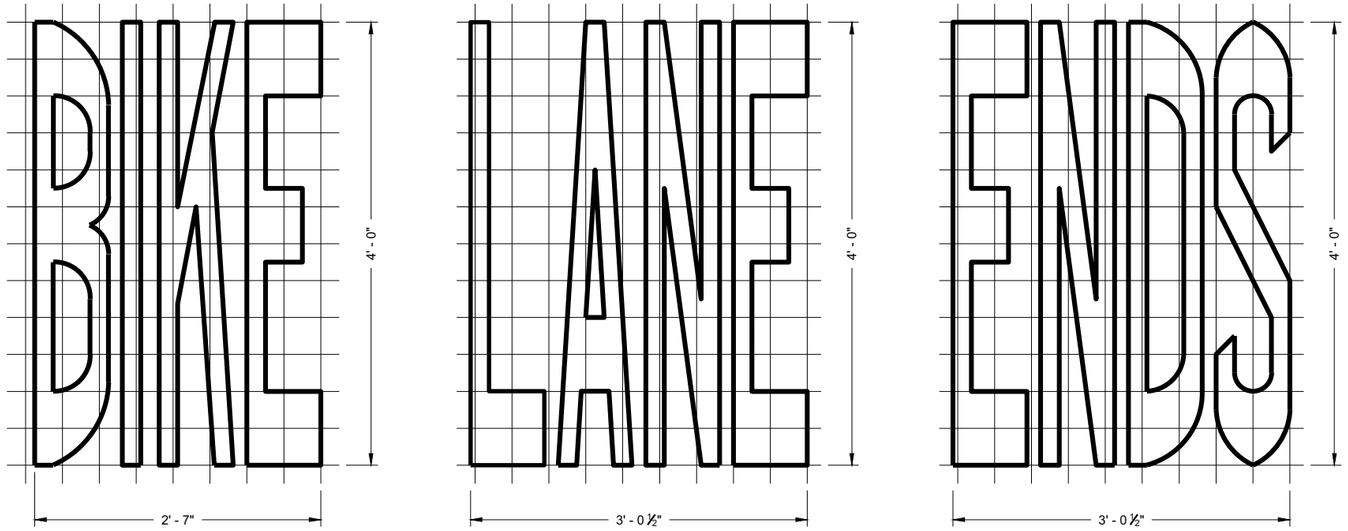
6

SDD 15C07 - 15c

6

SDD 15C07 - 15c

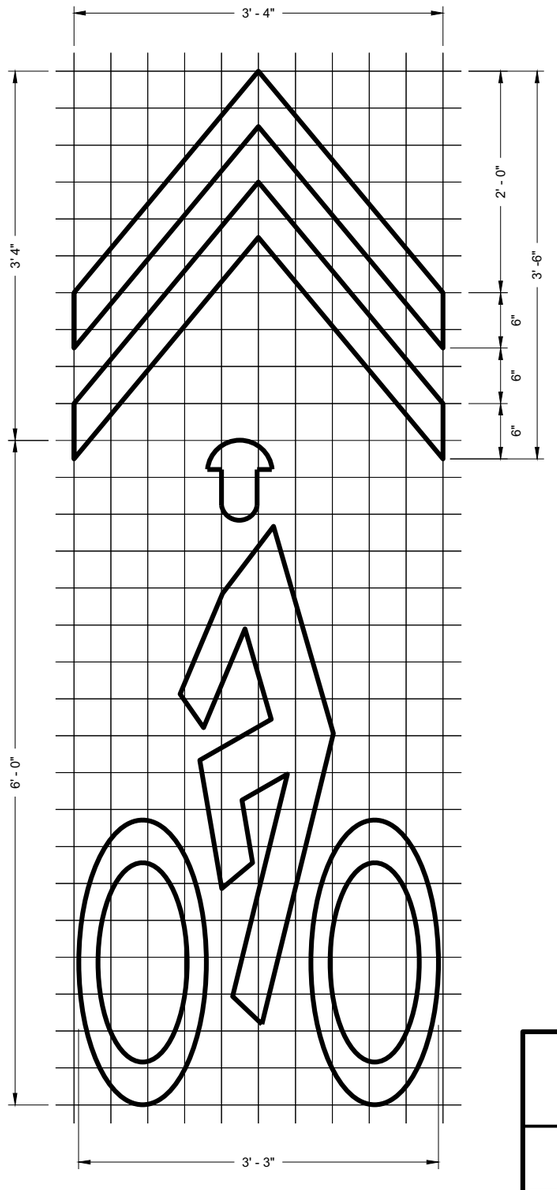
SDD 15C7-e Pavement Marking For Bike Lanes

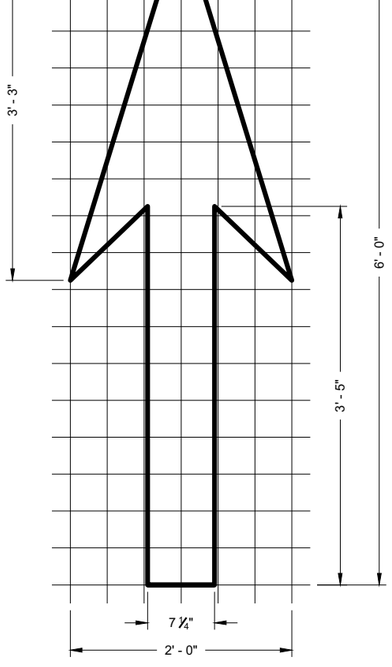


BIKE LANE WORDS

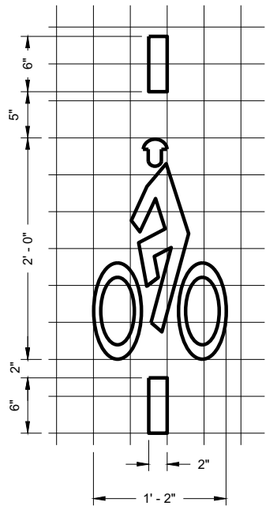
GENERAL NOTES

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

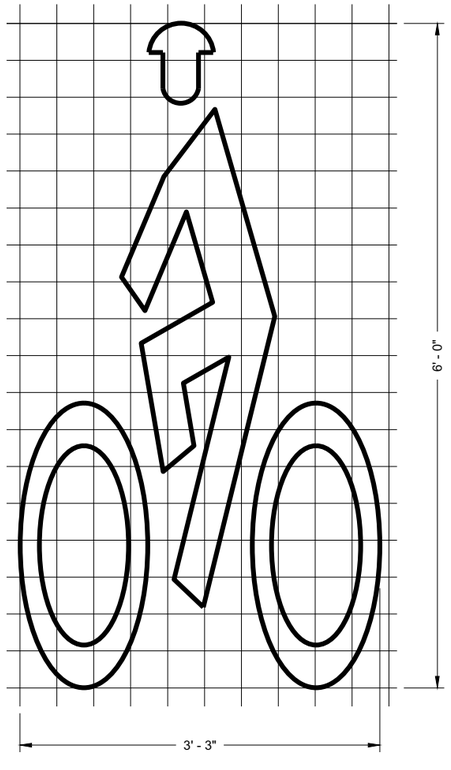




BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING



BIKE LANE SYMBOL

BIKE LANE SYMBOL FOR SHARED LANE

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

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SDD 15C07 - 15e

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

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

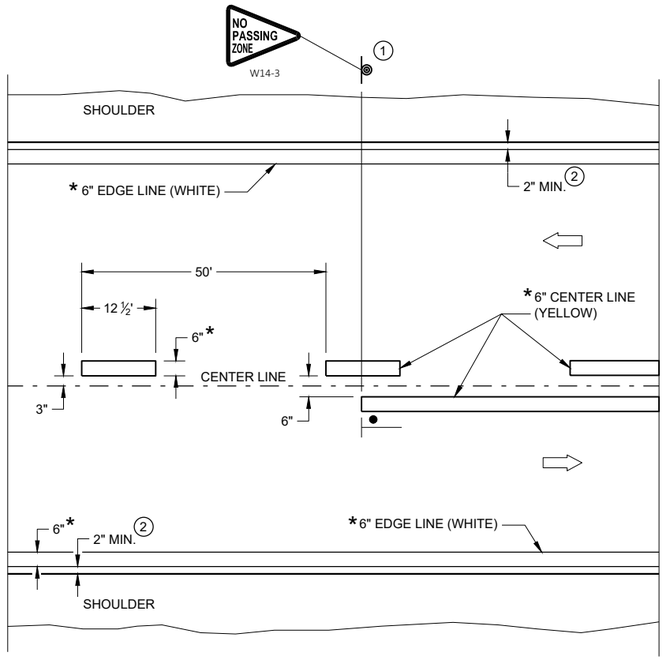
(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

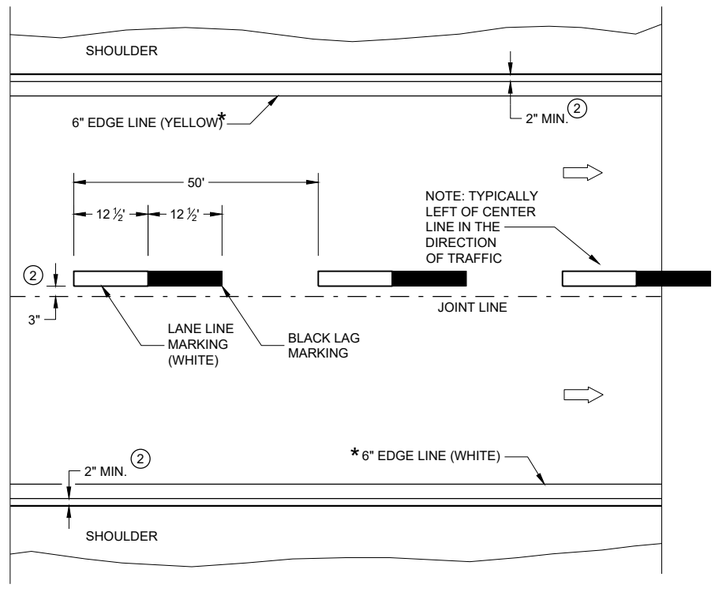
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

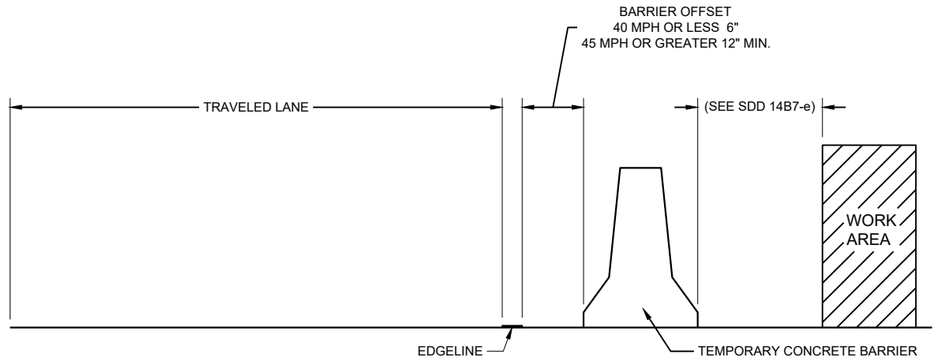
May 2023
DATE

/S/ Jeannie Silver
STATEWIDE SIGNING AND M
ENGINEER

FHWA

6

SDD 15C08-23a



TEMPORARY BARRIER OFFSET FROM EDGELINE

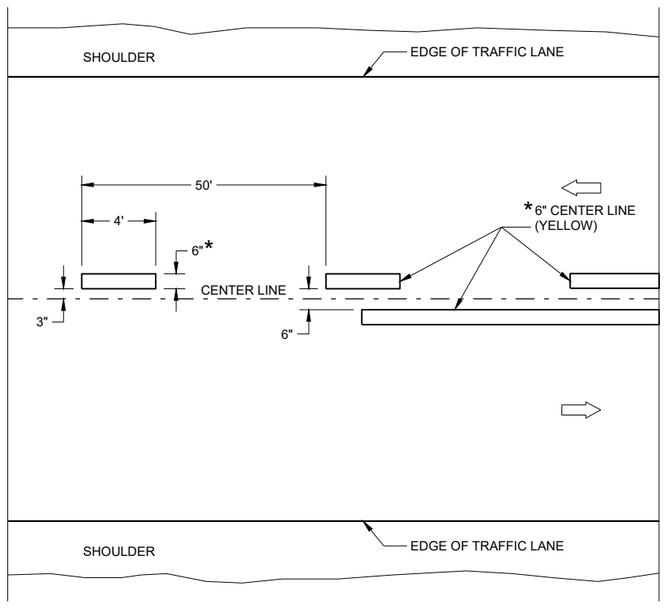
GENERAL NOTES

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

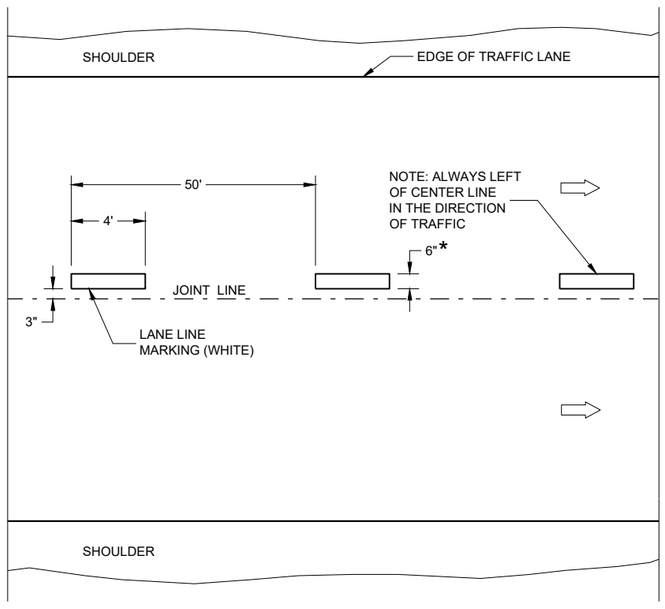
LEGEND

⇨ DIRECTION OF TRAFFIC

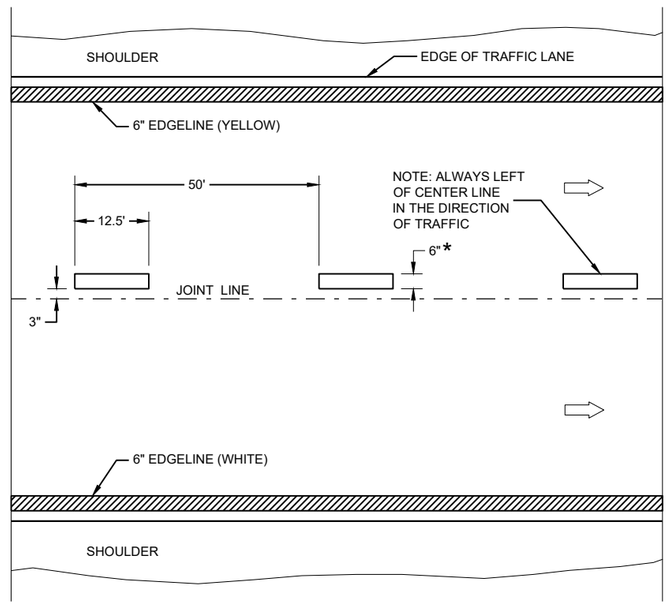
* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Jeannie Silver — STATEWIDE SIGNING AND M ENGINEER

FHWA

6

SDD 15C08-23b

6

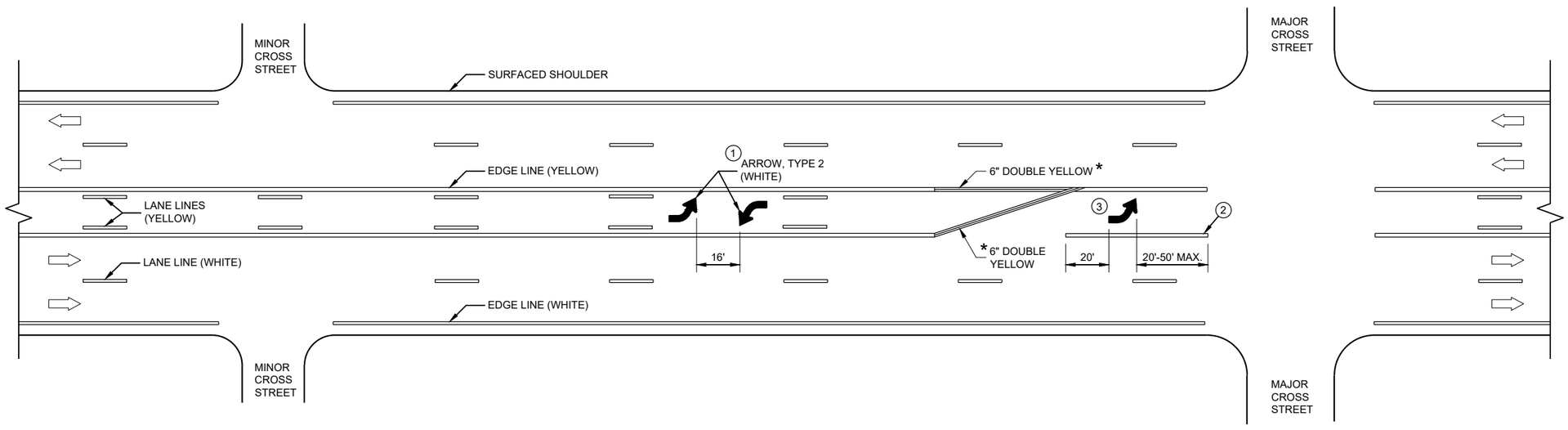
SDD 15C08-23b

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 10" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

⇨ DIRECTION OF TRAFFIC

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



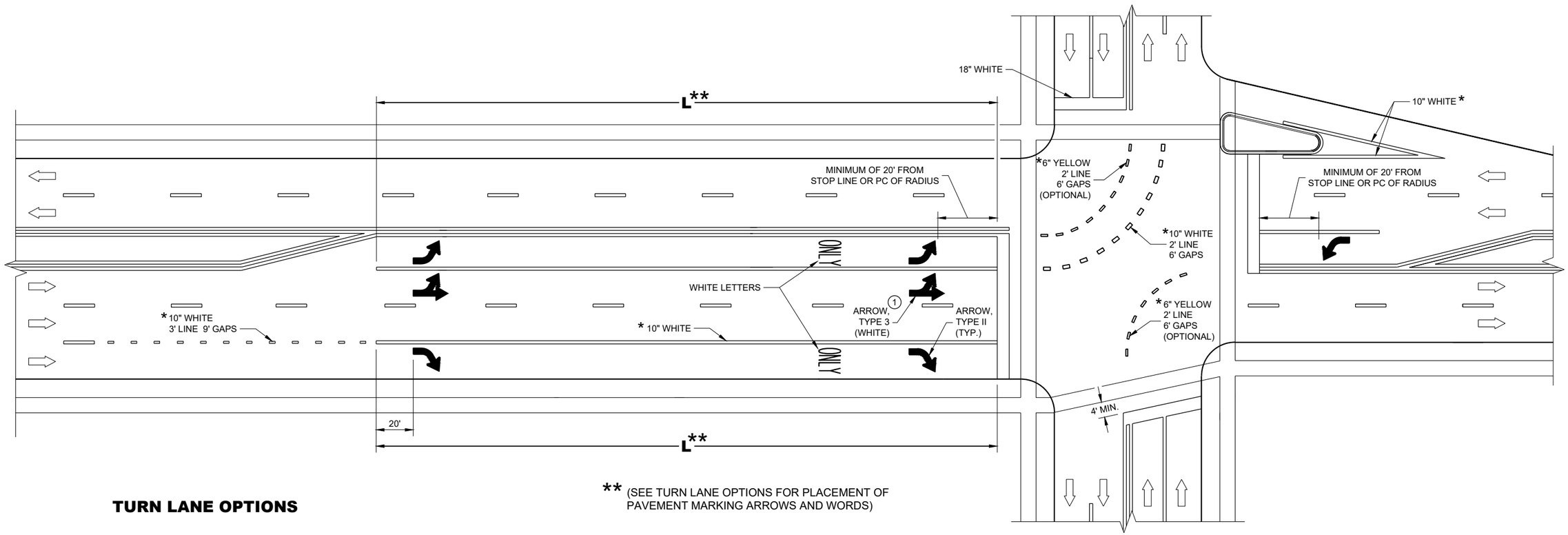
TWO WAY LEFT TURN LANE

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA· 178

SDD 15C08-23c

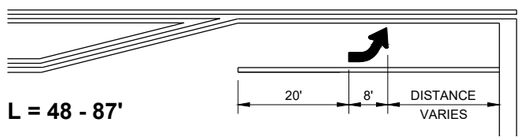
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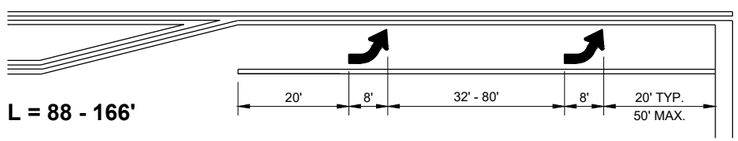


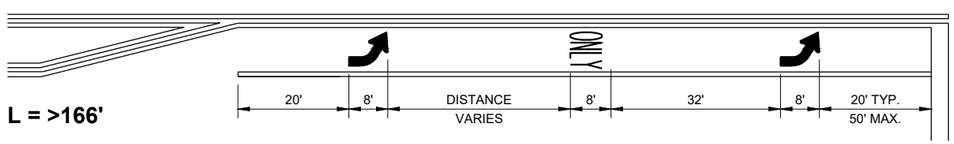
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS







GENERAL NOTES

(1) QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

PAVEMENT MARKING (TURN LANES)

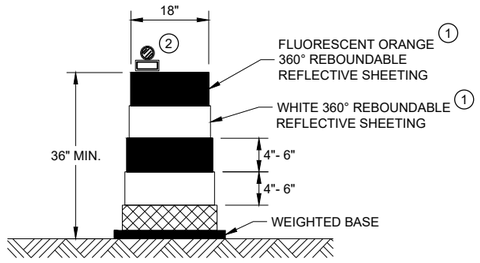
STATE OF WISCONSIN
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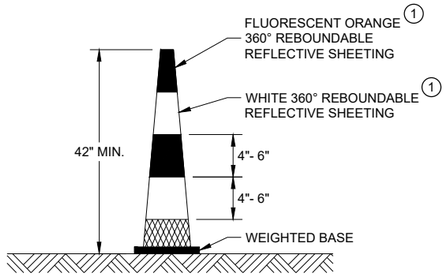
GENERAL NOTES

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



DRUM

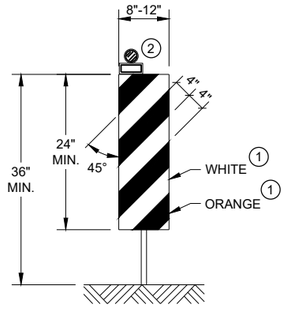
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

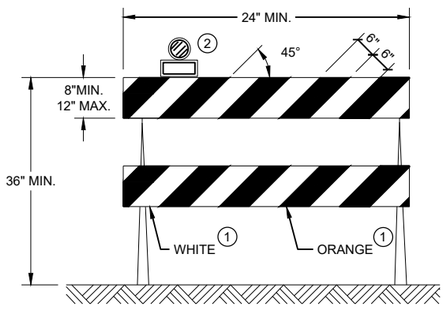
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



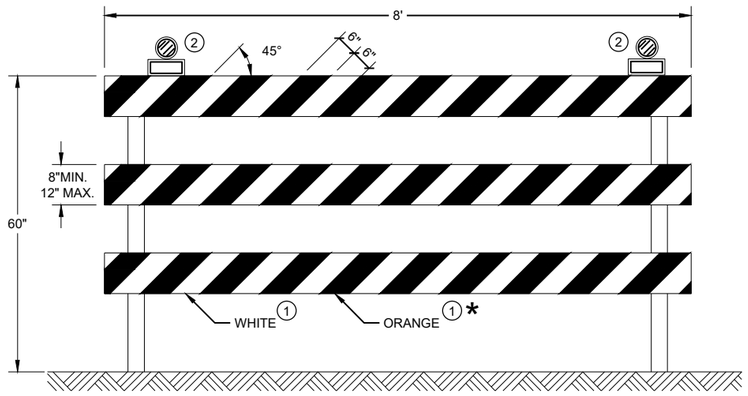
VERTICAL PANEL

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



TYPE II BARRICADE

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



TYPE III BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE
/S/ Andrew Heidtke
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LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED 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.

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

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

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND 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.

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.

FLAGGING

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 PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' 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.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

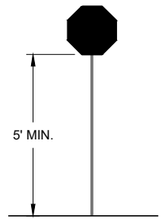
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



STOP/SLOW PADDLE ON SUPPORT STAFF

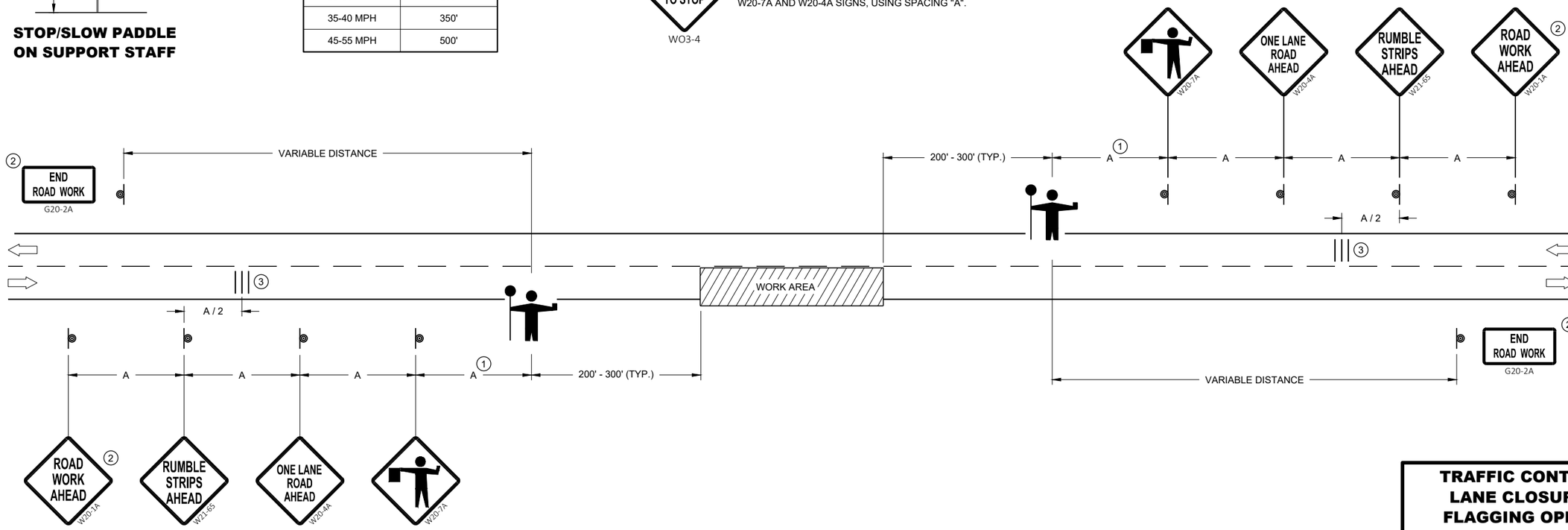
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



WO3-4

USE OF WO3-4 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

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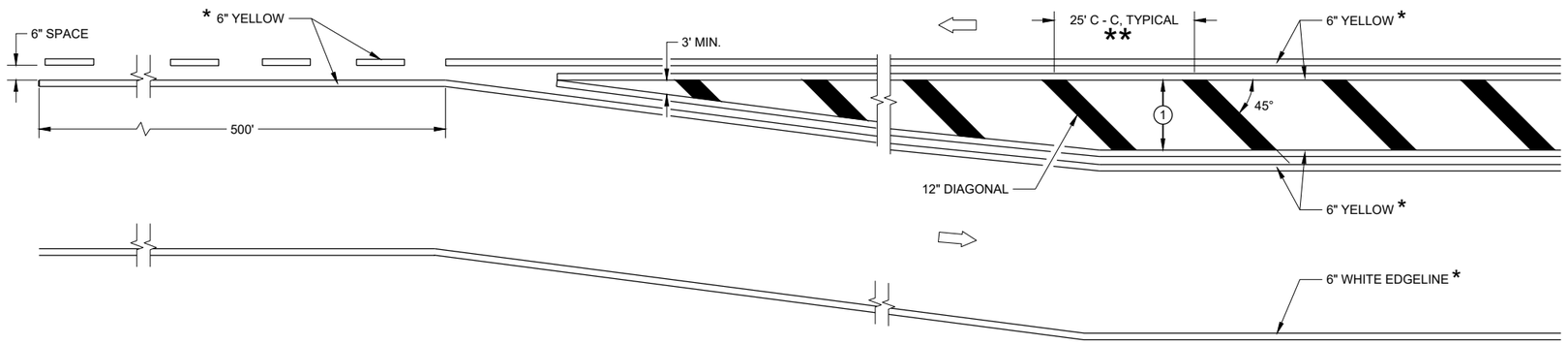
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May 2022
DATE

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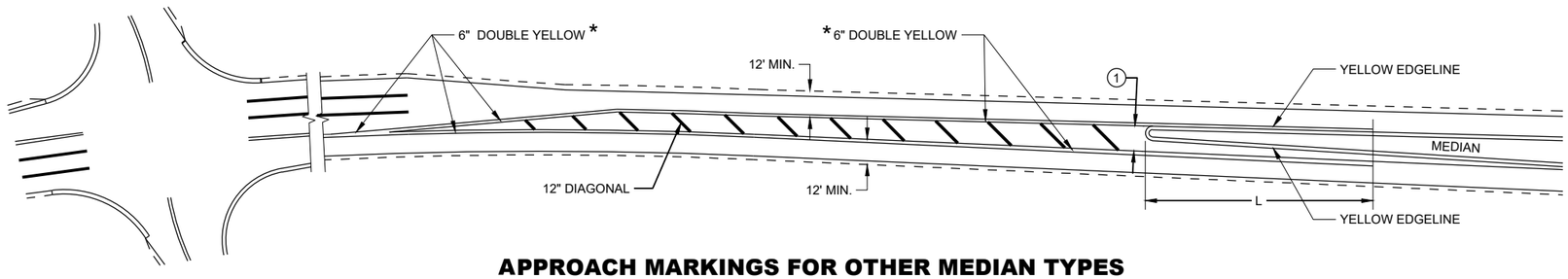
MEDIAN ISLAND DETAIL

GENERAL NOTES

(1) DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT THE WIDEST POINT. OMIT DIAGONALS IF WIDTH IS LESS THAN 4 FEET.

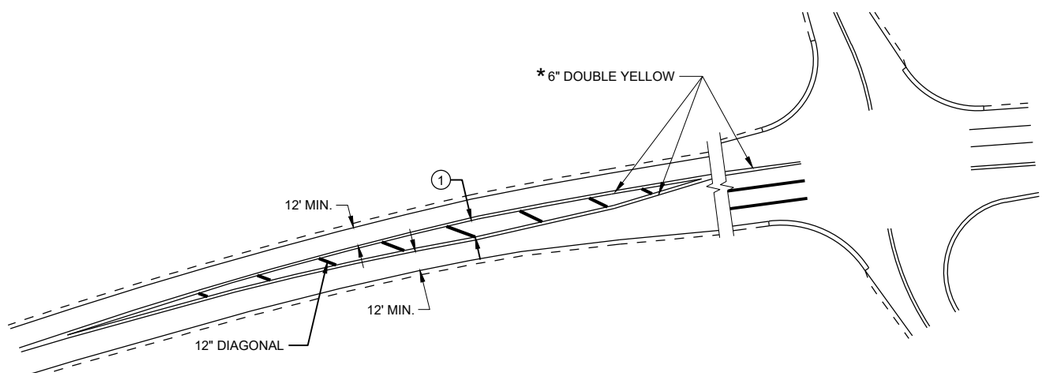
⇨ DIRECTION OF TRAVEL

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



APPROACH MARKINGS FOR OTHER MEDIAN TYPES

SPEED LIMIT	L
<35 MPH	5'
35> MPH	50'



NON-APPROACH MARKINGS

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
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May 2023 — DATE
/S/ Jeannie Silver — STATE SIGNING AND MAF ENGINEER

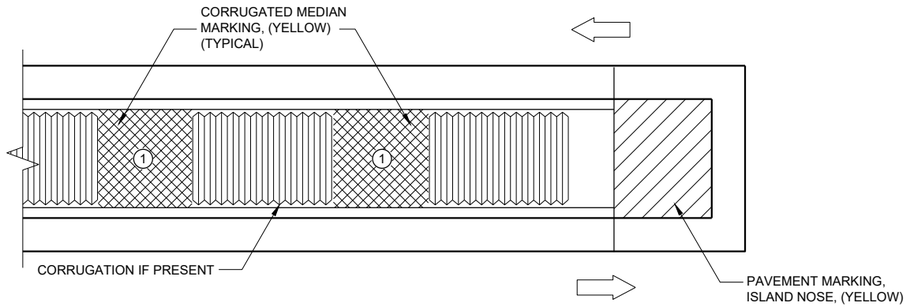
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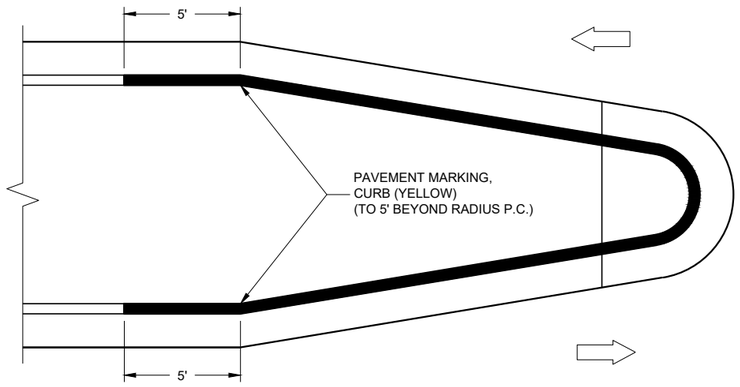
SDD 15C18-08a

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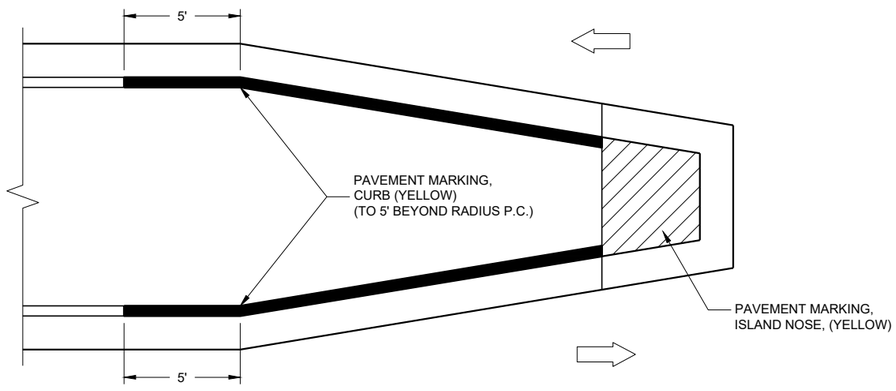
SDD 15C18-08a



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

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

(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

PAVEMENT MARKINGS, MEDIAN ISLAND NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2023
DATE

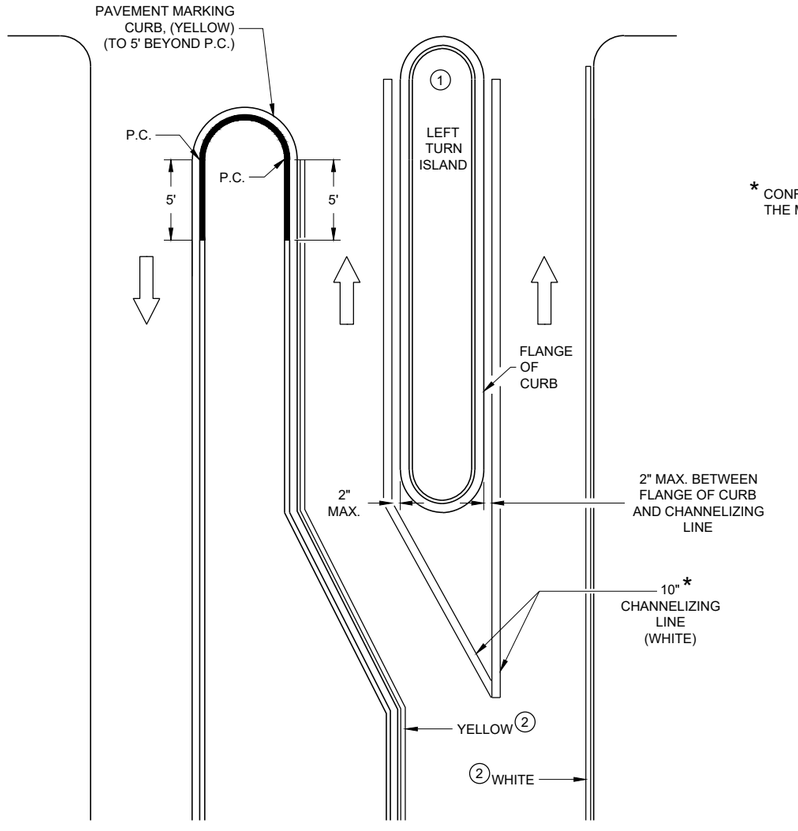
/S/ Jeannie Silver
STATE SIGNING AND MAR ENGINEER

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SDD 15C18-08b

REQUIREMENTS FOR EDGE LINES		
POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
	YES	NO
≤ 30 MPH	NO	OPTIONAL
35 OR 40 MPH	OPTIONAL	RECOMMENDED
≥ 45 MPH	RECOMMENDED	REQUIRED



* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

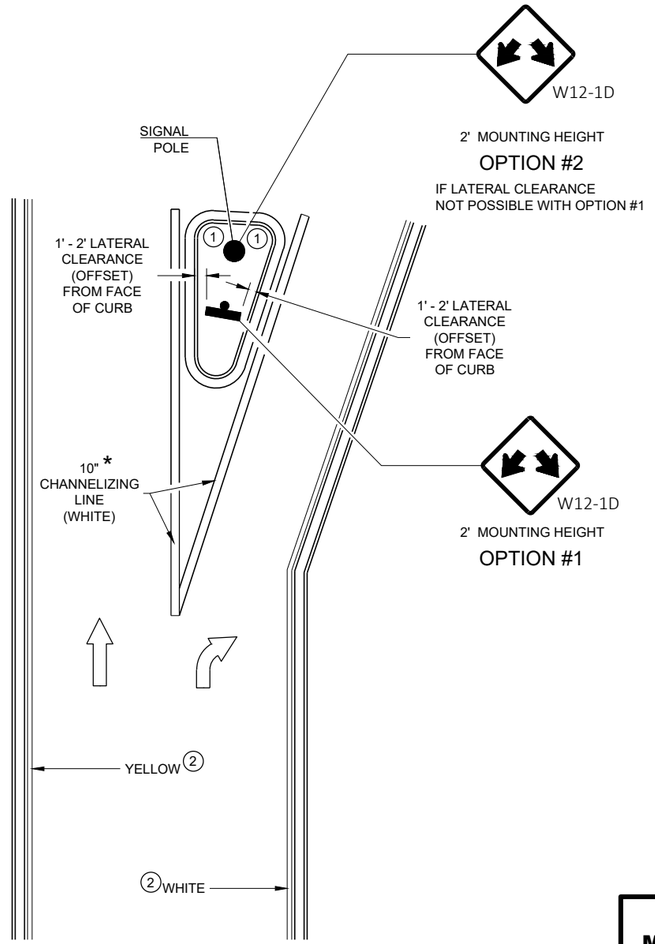
APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

(1) MARK CURB NOSES YELLOW.

(2) MARK ACCORDING TO TABLE.

DIRECTION OF TRAVEL



RIGHT TURN ISLAND

MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT

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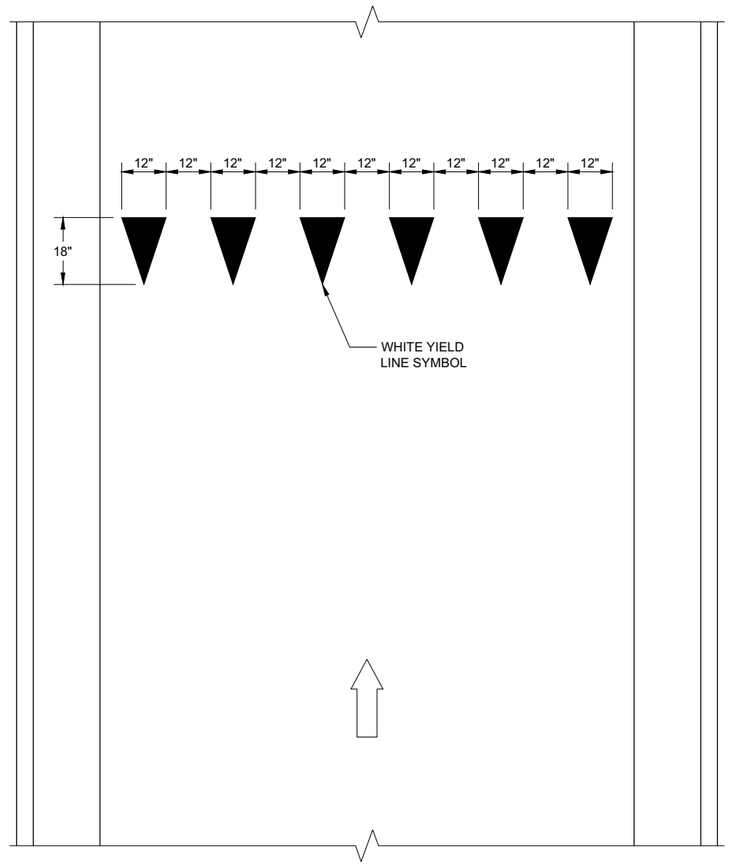
FHWA

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SDD 15C18-08c

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SDD 15C18-08c

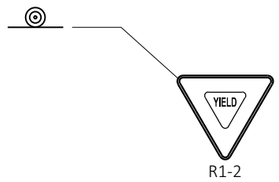


YIELD LINE

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAVEL



R1-2

YIELD MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4-81-2016
DATE

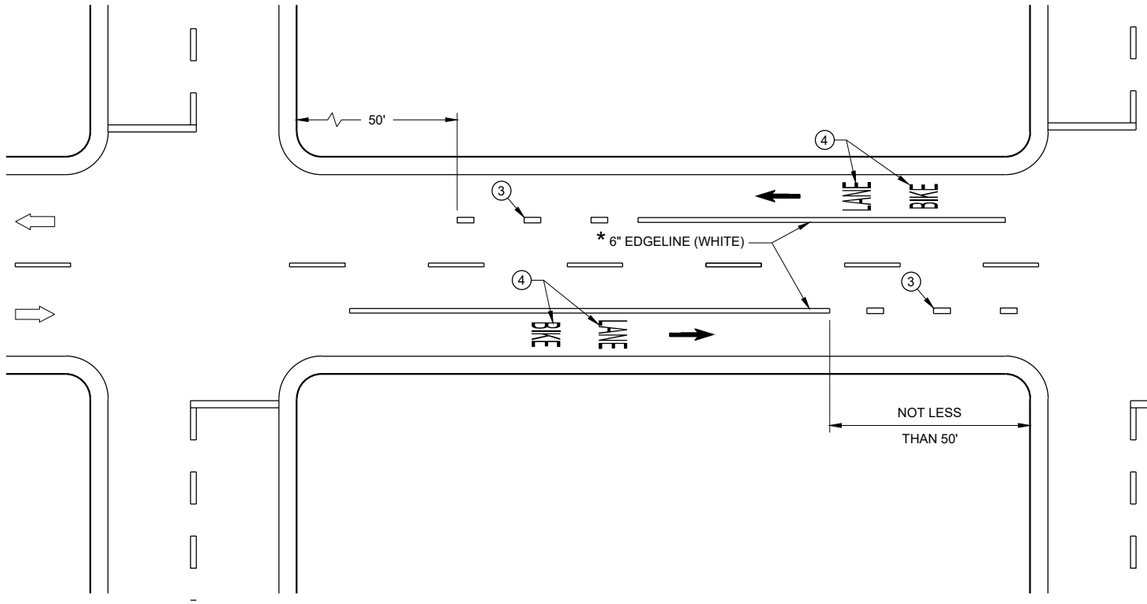
/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

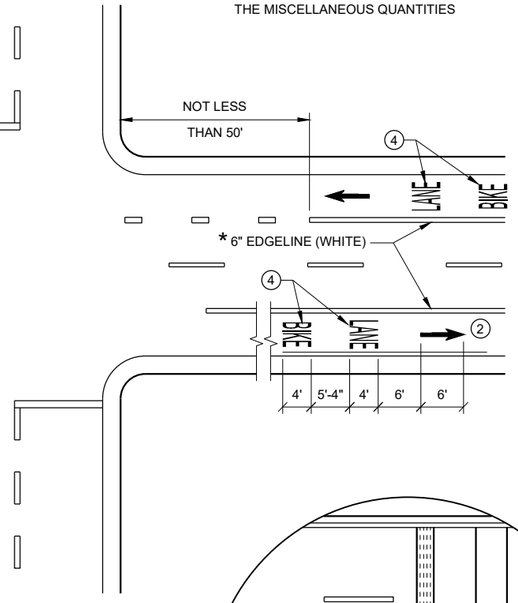
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SDD 15C20 - 02

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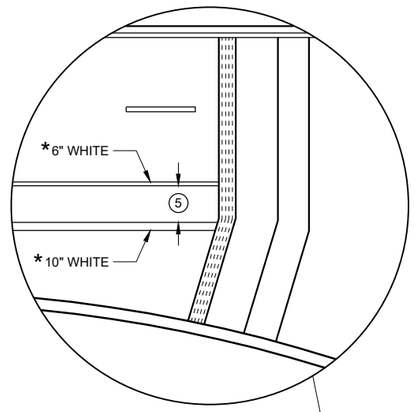
* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

GENERAL NOTES

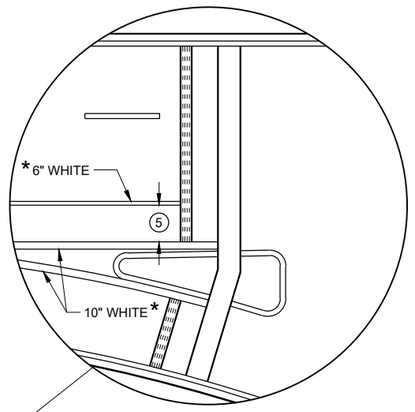
1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. MINIMUM OF ONE PER BLOCK. MAXIMUM OF 250 FEET.
3. DOTTED LINES (3' LINE, 9' GAP) SHOULD BE USED 50 FEET TO 200 FEET IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
4. BIKE SYMBOLS OR WORDS MAY BE USED.
5. BIKE ACCOMMODATION IS TYPICAL 5 FEET WIDE AND MINIMUM OF 4 FEET FROM A LONGITUDINAL JOINT. USE 5 FEET AT ≥ 45 MPH.
6. OMIT THESE MARKINGS FOR WIDER TURN LANE APPLICATIONS (MINIMUM OF 15 FOOT WIDE TURN LANE).
7. REFER TO CONTRACT PLANS FOR LANE WIDTH.

DIRECTION OF TRAVEL

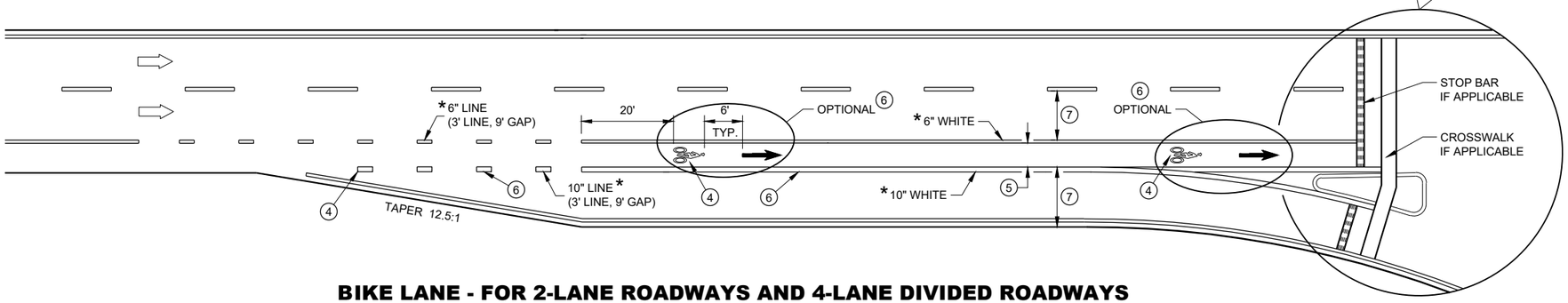
DESIGNATED BIKE LANE - NO PARKING



4 LANE DIVIDED WITHOUT ISLAND



4 LANE DIVIDED WITH ISLAND



BIKE LANE - FOR 2-LANE ROADWAYS AND 4-LANE DIVIDED ROADWAYS
(4-LANE DIVIDED WITH RIGHT TURN LANE SHOWN)

BIKE LANE MARKING

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DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER
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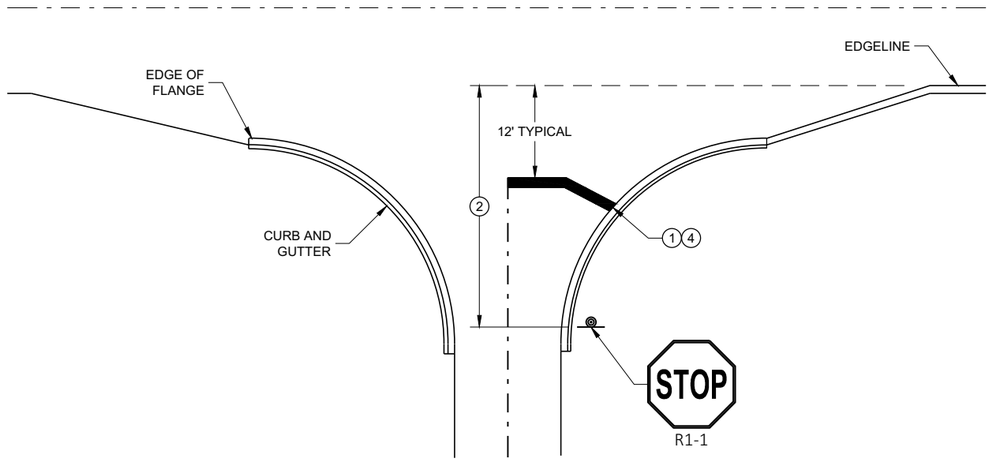
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SDD 15C29-08a

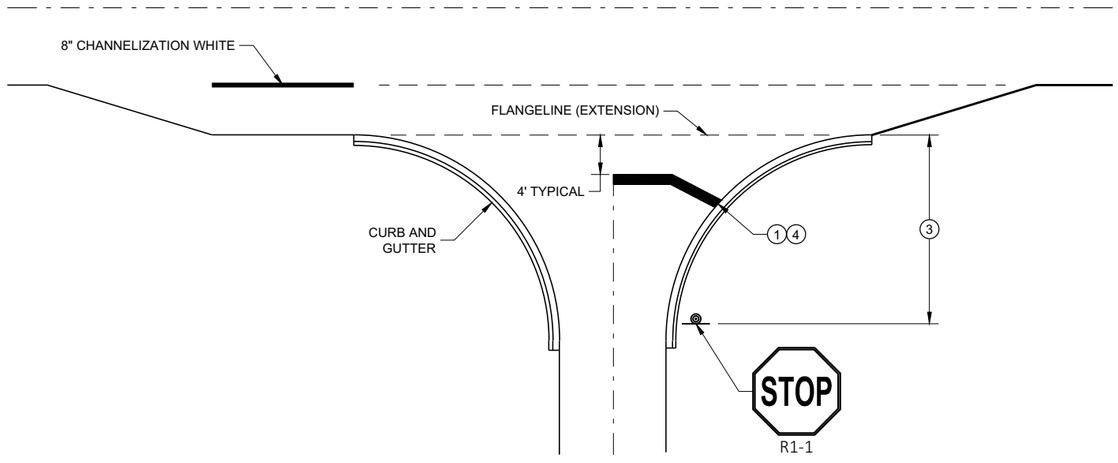
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

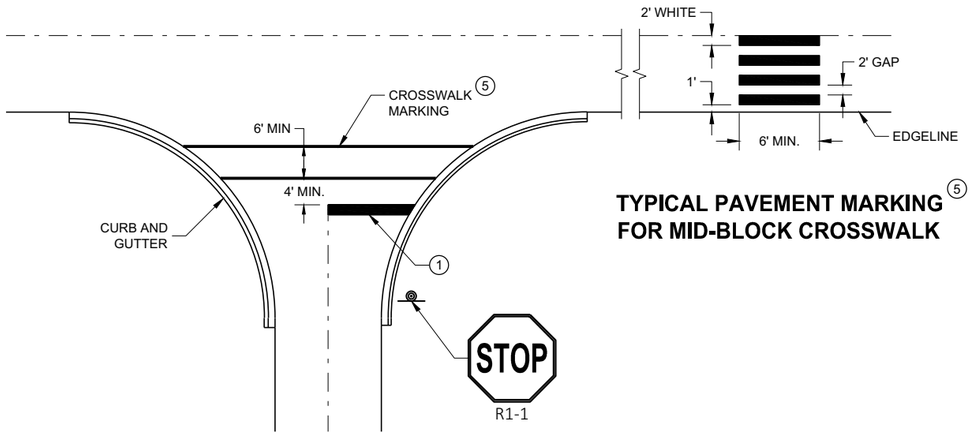
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

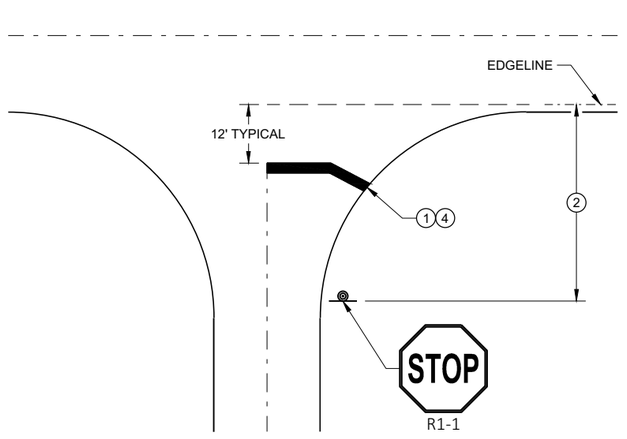


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING

TYPICAL PAVEMENT MARKING 5 FOR MID-BLOCK CROSSWALK



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

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GENERAL NOTES

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

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

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

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

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

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

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

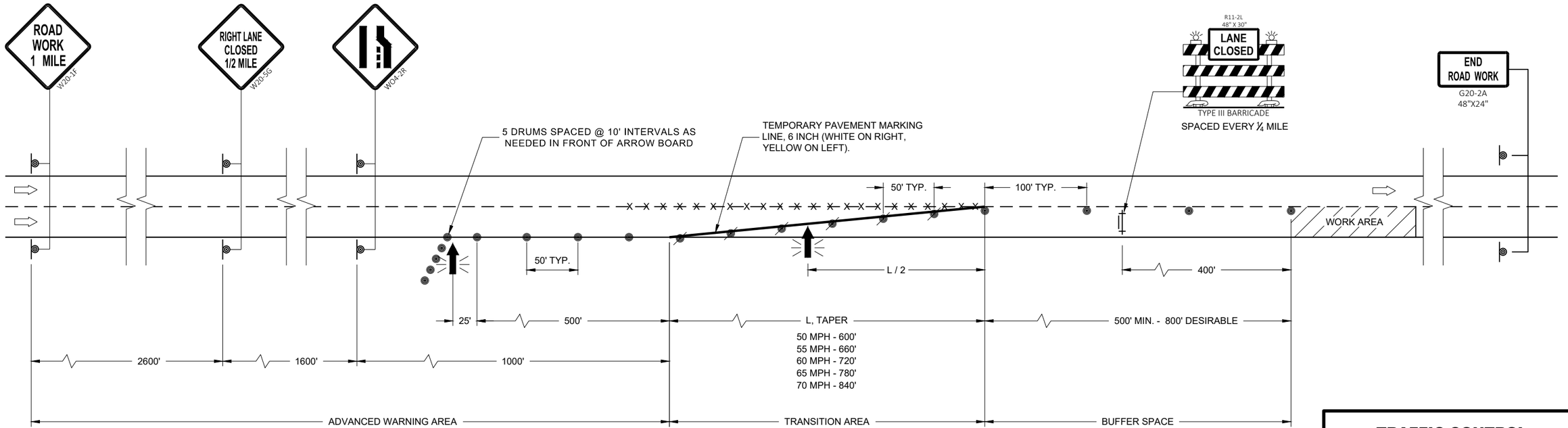
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD



TRAFFIC CONTROL LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

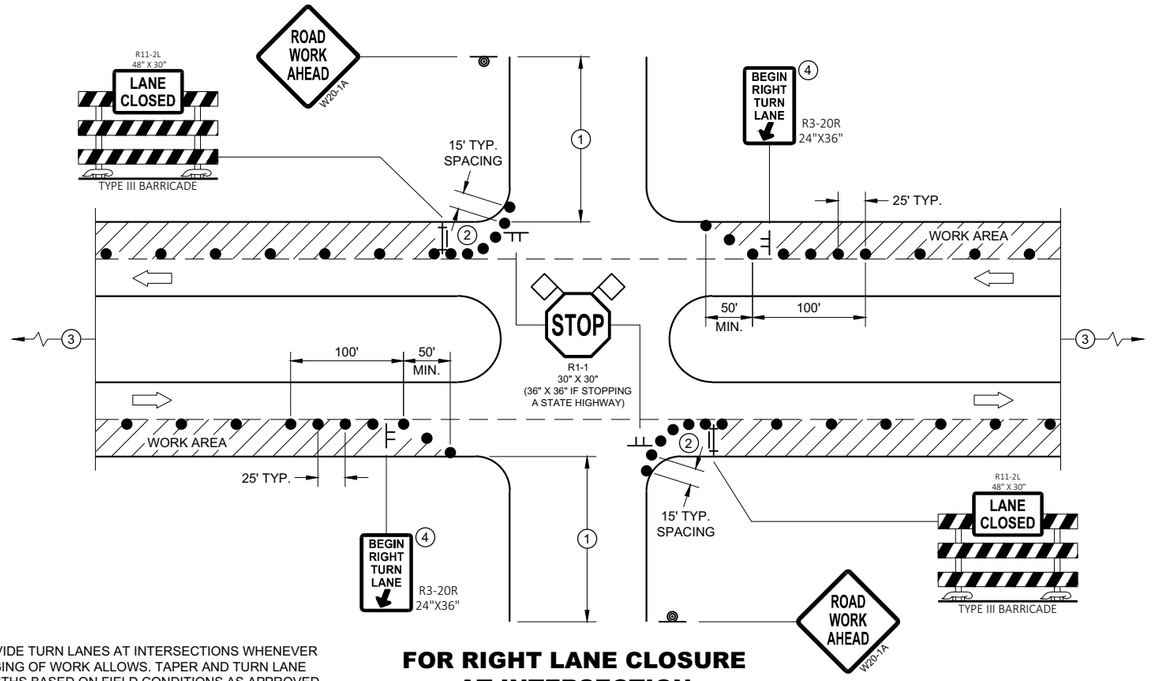
FHWA

6

SDD 15D12 - 11a

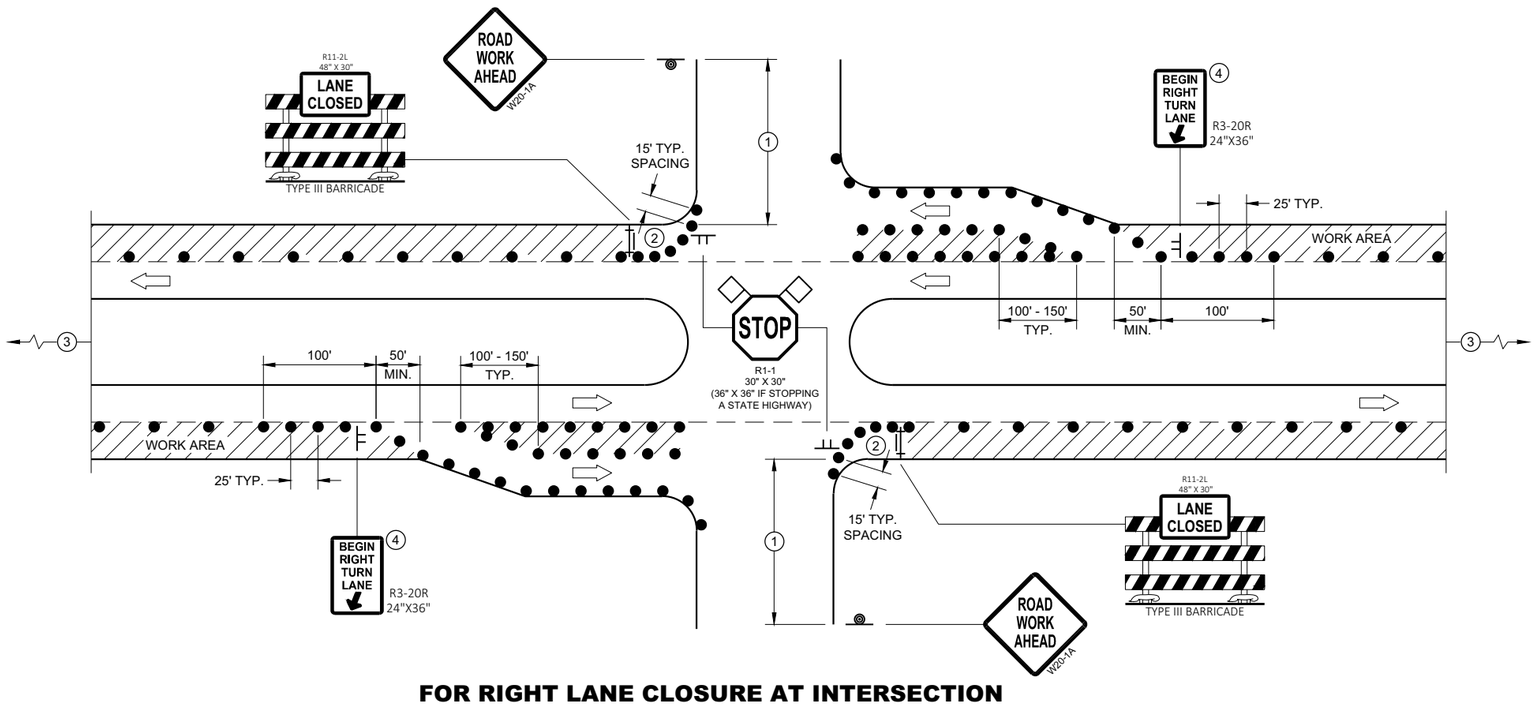
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SDD 15D12 - 11a



FOR RIGHT LANE CLOSURE AT INTERSECTION

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

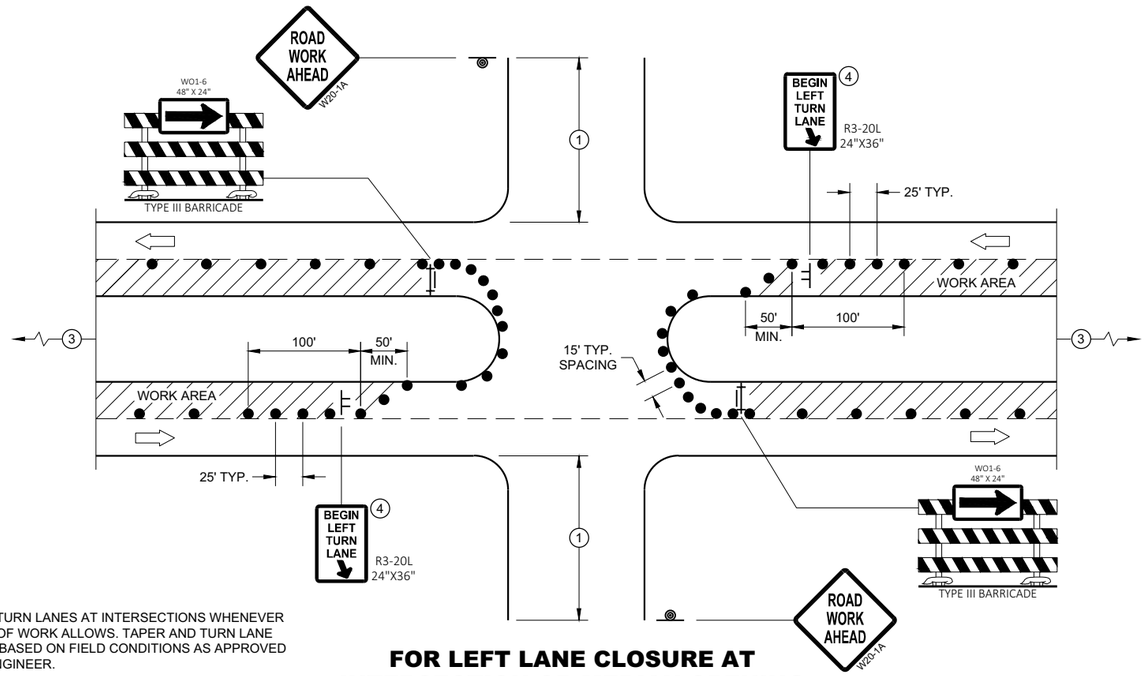
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D21 - 07a

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SDD 15D21 - 07a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

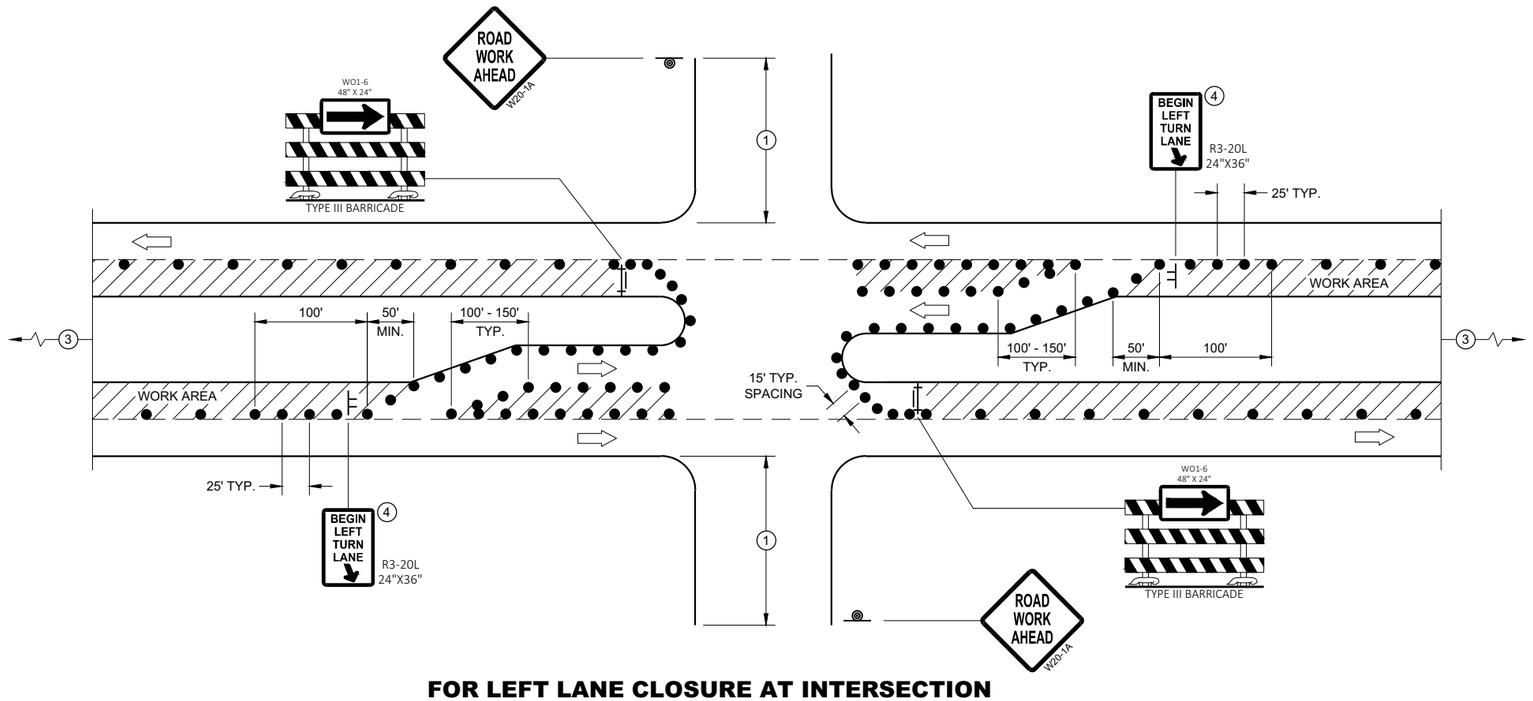
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D21 - 07b

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SDD 15D21 - 07b

GENERAL NOTES

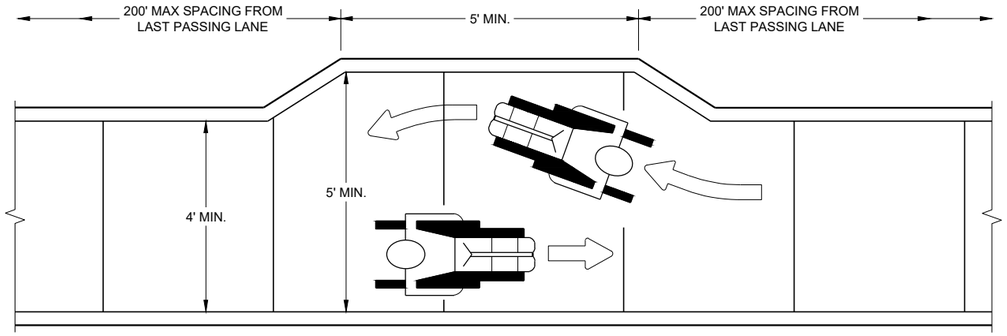
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

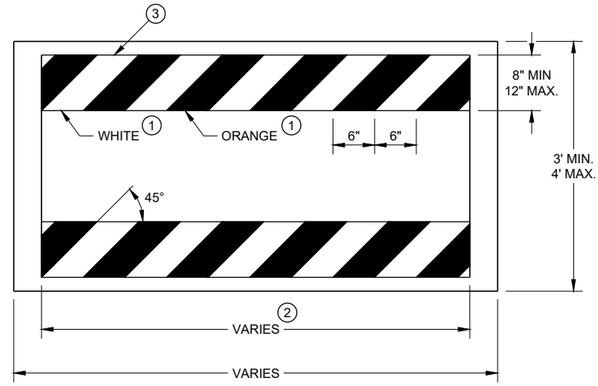
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

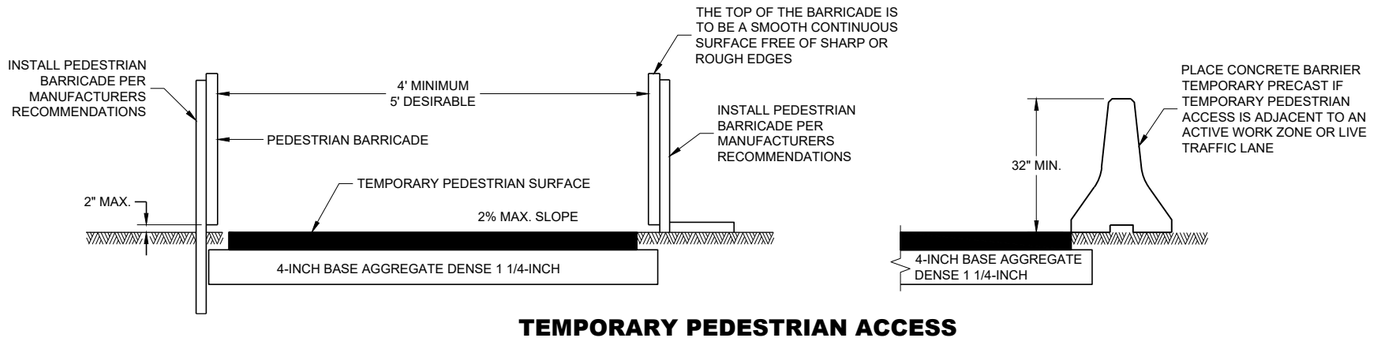
* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



NARROW SIDEWALK PASSING DETAIL



TEMPORARY PEDESTRIAN BARRICADE*

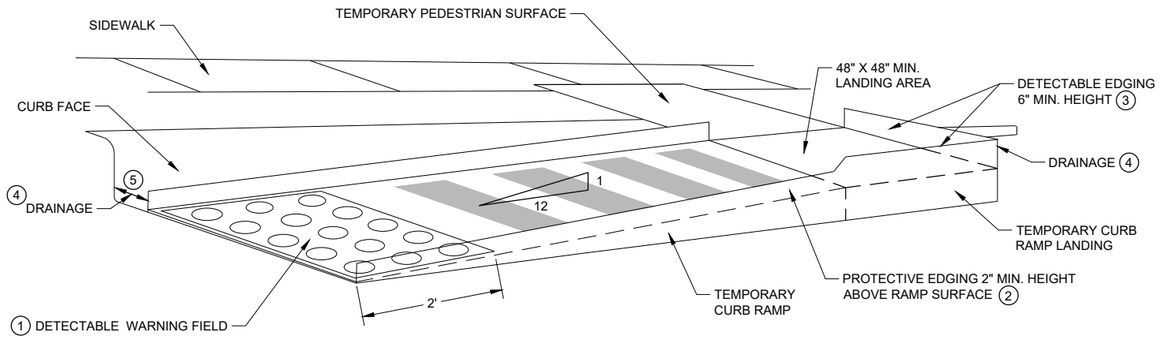


TEMPORARY PEDESTRIAN ACCESS

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6

SDD 15D30 - 09a



PERSPECTIVE VIEW

GENERAL NOTES

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

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

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

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

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

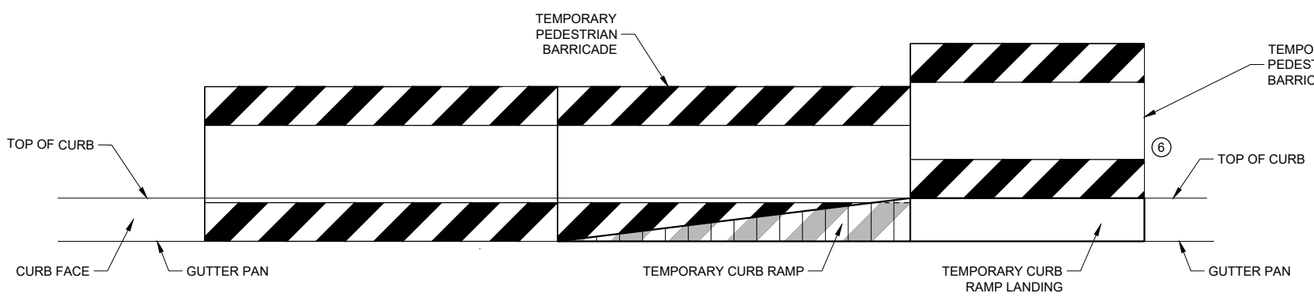
(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

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

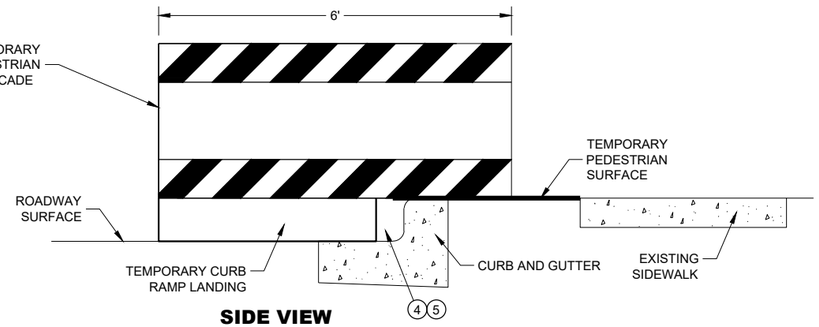
(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) ENSURE CURB RAMP IS OUT OF THE GUTTER PAN.

(6) IF ONLY PART OF THE END PANEL OF TEMPORARY PEDESTRIAN BARRICADE PANEL IS NEEDED, EXTEND EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL HERE.



FRONT VIEW



SIDE VIEW

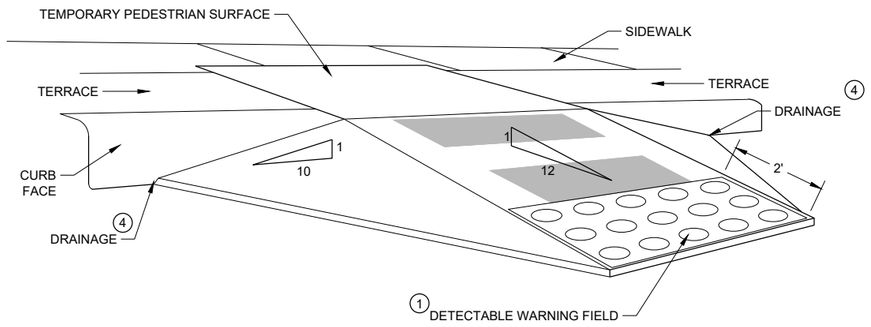
TEMPORARY CURB RAMP PARALLEL TO CURB

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

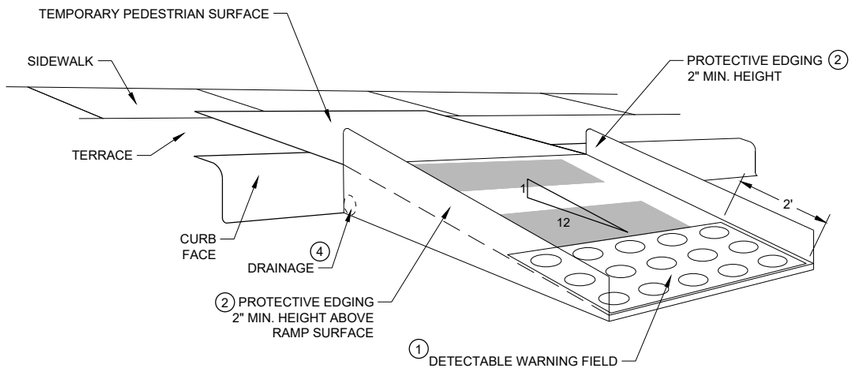
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

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SDD 15D30 - 09b



WITH SIDE APRON (5)



WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

GENERAL NOTES

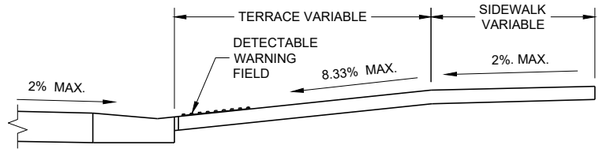
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

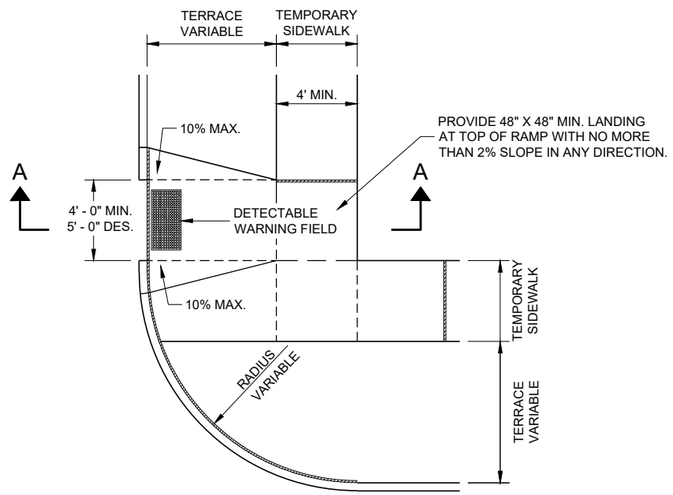
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



SECTION A - A



PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

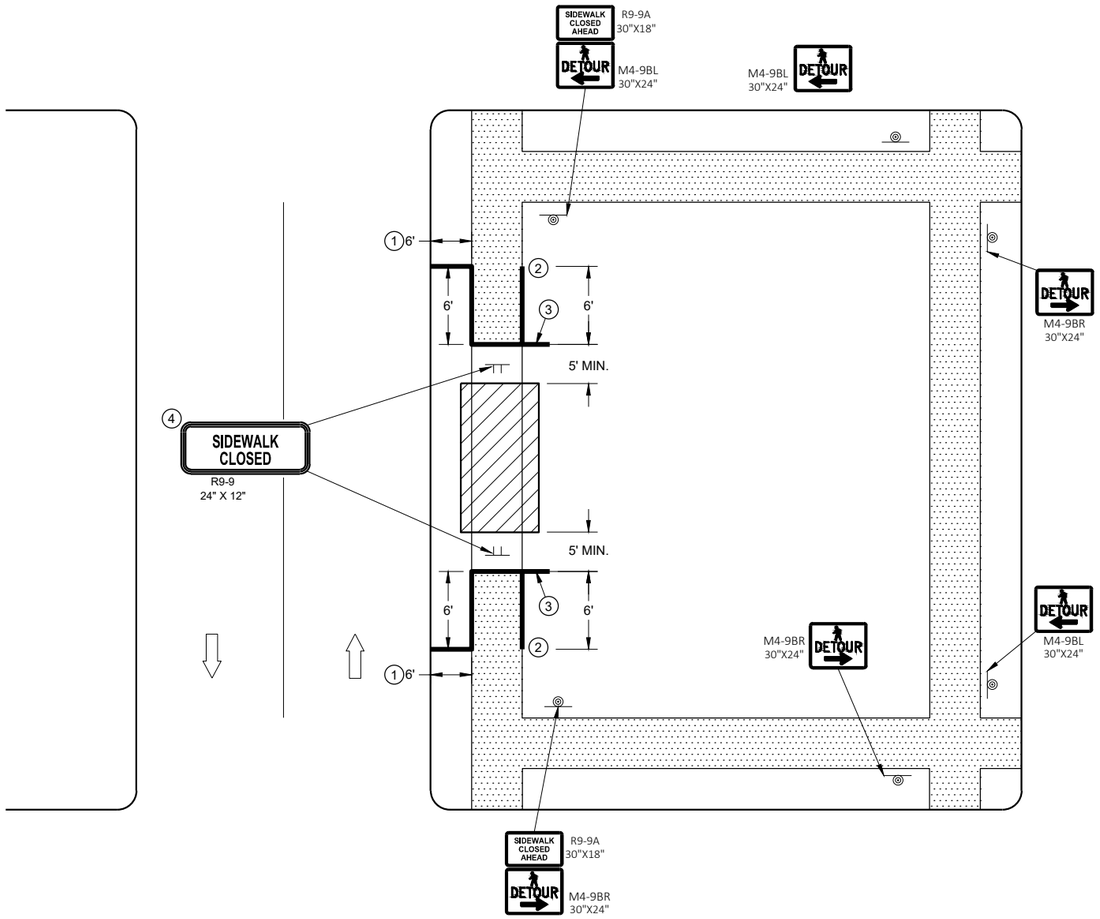
FHWA

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SDD 15D30-09d

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC



GENERAL NOTES

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

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

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICTS WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

SIDEWALK DETOUR, SIDEWALK ONLY ON ONE SIDE

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6

SDD 15D30 - 09f

LEGEND

SIGN ON PERMANENT SUPPORT

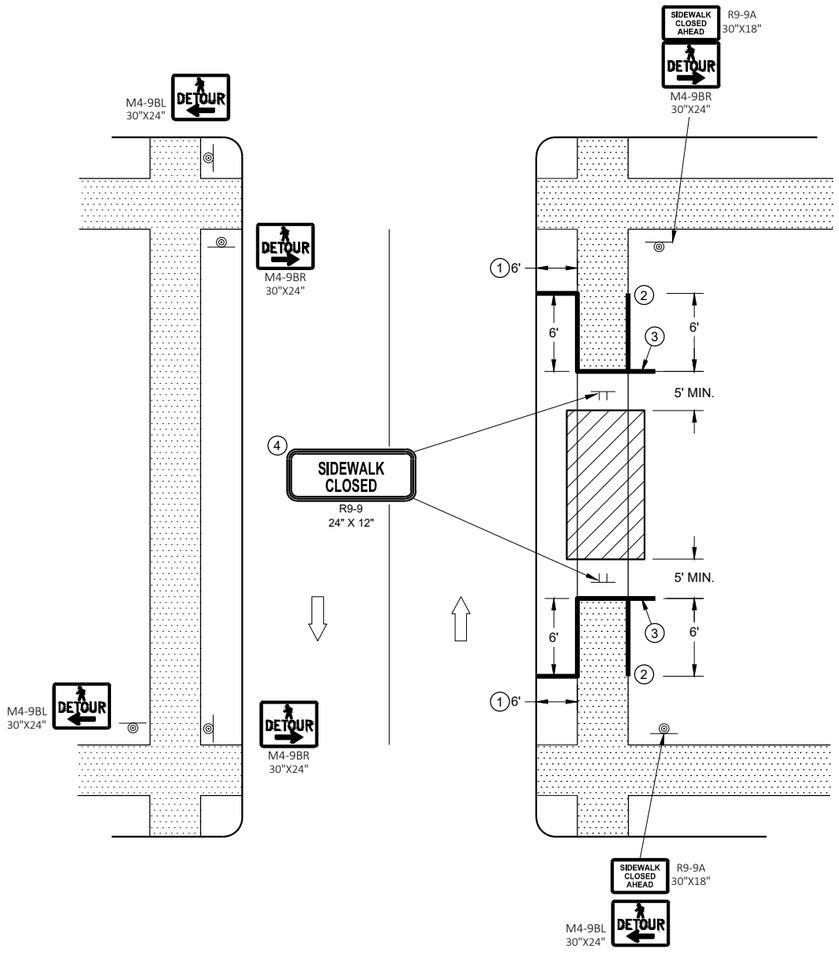
SIGN ON TEMPORARY SUPPORT

UNDER PEDESTRIAN TRAFFIC

WORK AREA

TEMPORARY PEDESTRIAN BARRICADE

DIRECTION OF TRAFFIC



GENERAL NOTES

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

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

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICT WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

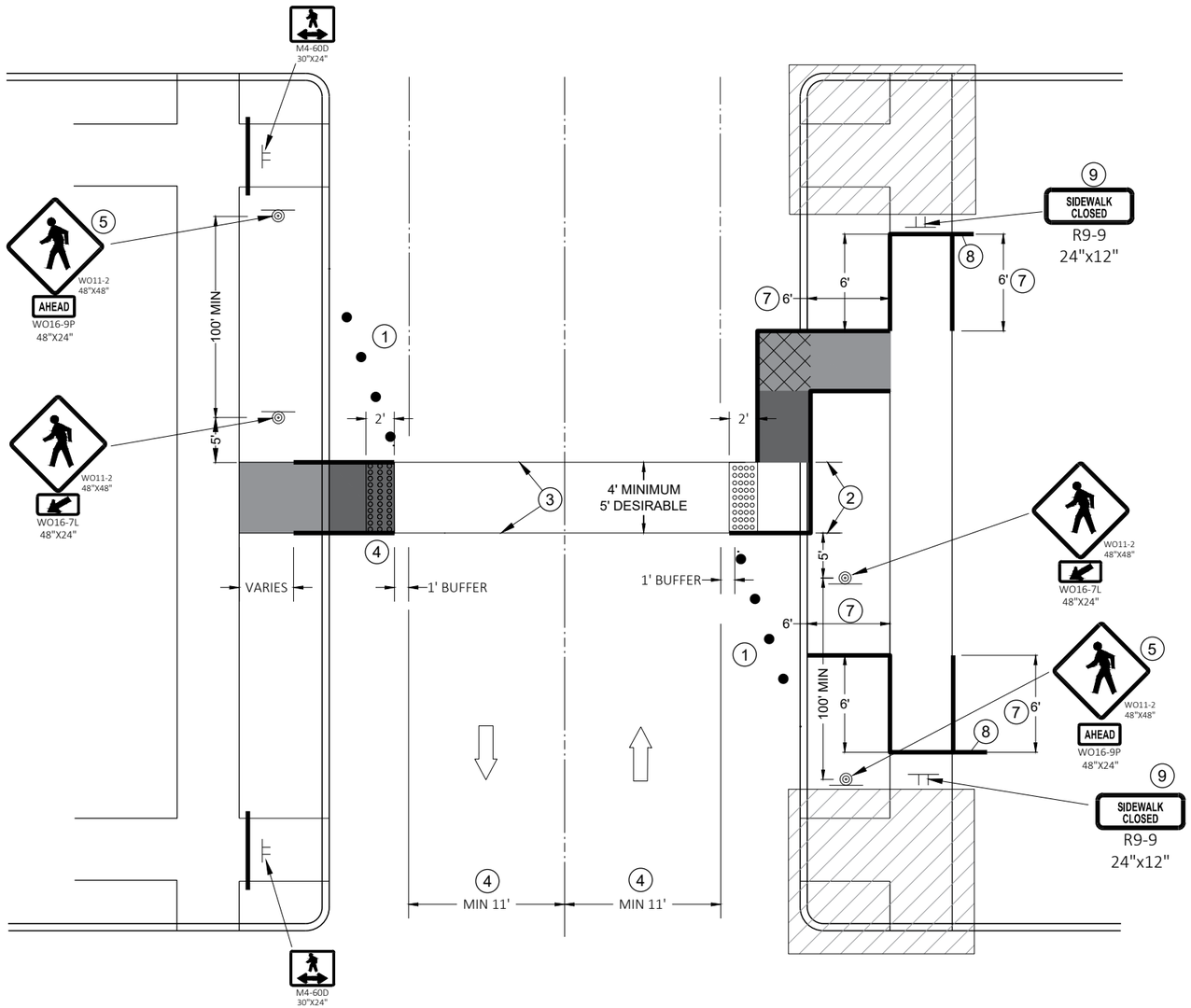
1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES

6

SDD 15D30 - 09k

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION



TEMPORARY PEDESTRIAN CROSSING

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

SEE OTHER PEDESTRIAN ACCOMMODATION DETAILS FOR SIGNING AND DEVICES FOR DIFFERENT PEDESTRIAN FACILITIES CLOSURES.

(1) SHOULDER OR LANE CLOSURE ADVANCED WARNING AND PROPER BUFFER SPACE REQUIRED.

(2) 4 FEET MINIMUM, 5 FEET DESIRABLE.

(3) WHITE 6" TEMPORARY PAVEMENT MARKING.

(4) IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, PERPENDICULAR CURB RAMPS MAY NEED TO BE UTILIZED.

(5) IF MINIMUM 100' SPACING FROM THE MID-BLOCK CROSSING CANNOT BE ATTAINED BEFORE THE INTERSECTION, REMOVE THIS SIGN ASSEMBLY.

(6) IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.

(7) PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.

(8) IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF THE EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.

(9) MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF THE SIGN.

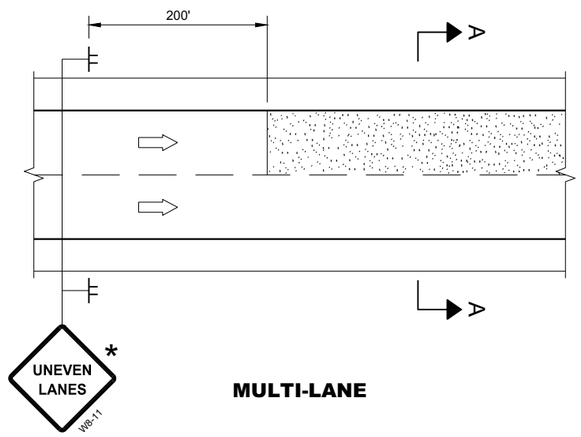
LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

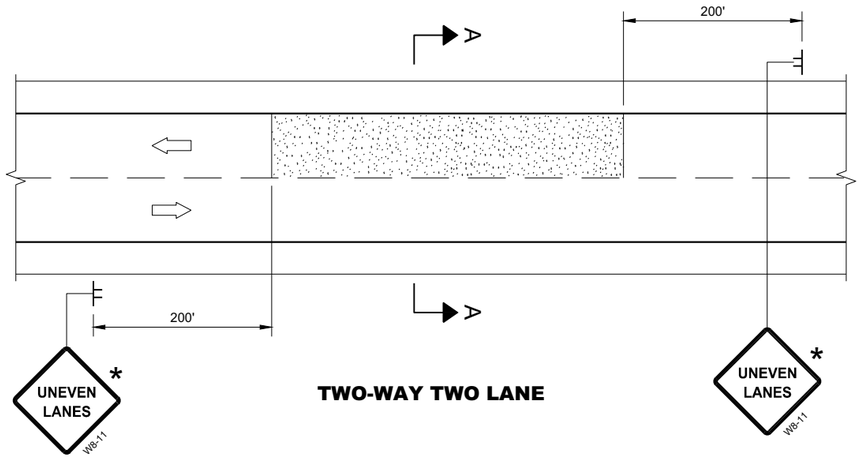
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SDD 15D30 - 09L

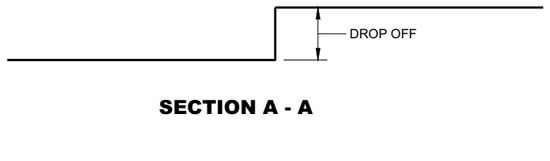
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION



MULTI-LANE

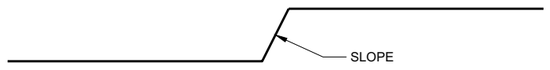


TWO-WAY TWO LANE

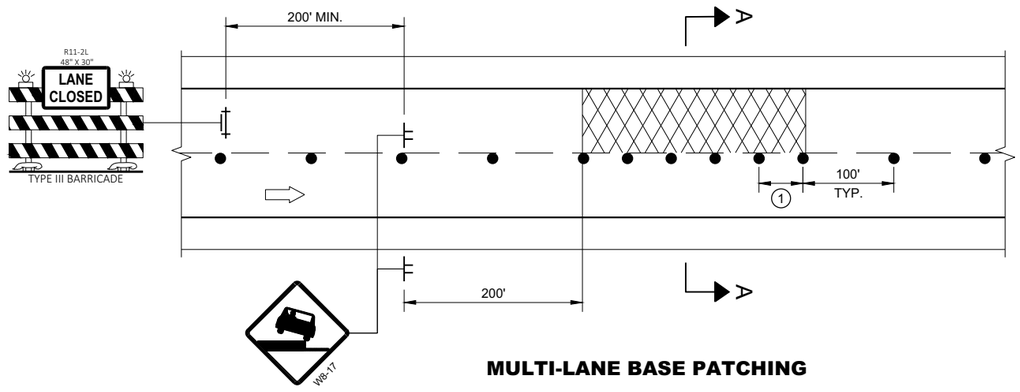


SECTION A - A

OR

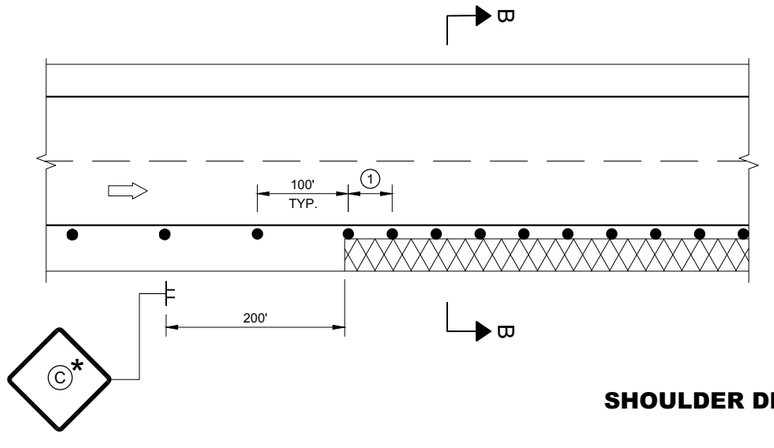


SECTION A - A

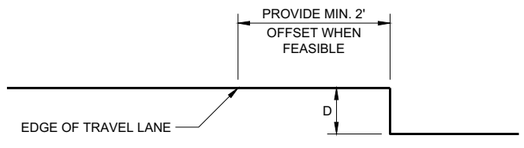


MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS



SHOULDER DROP-OFFS



SECTION B - B

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER WO8-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP - OFF W8-9A PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

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

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

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EVERY ENTRANCE RAMP.

(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF
- MILLED SURFACE

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D39 - 02

6

SDD 15D39 - 02

LEGEND

- EXISTING SIGN ON PERMANENT SUPPORT
- NEW SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK ZONE

GENERAL NOTES

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

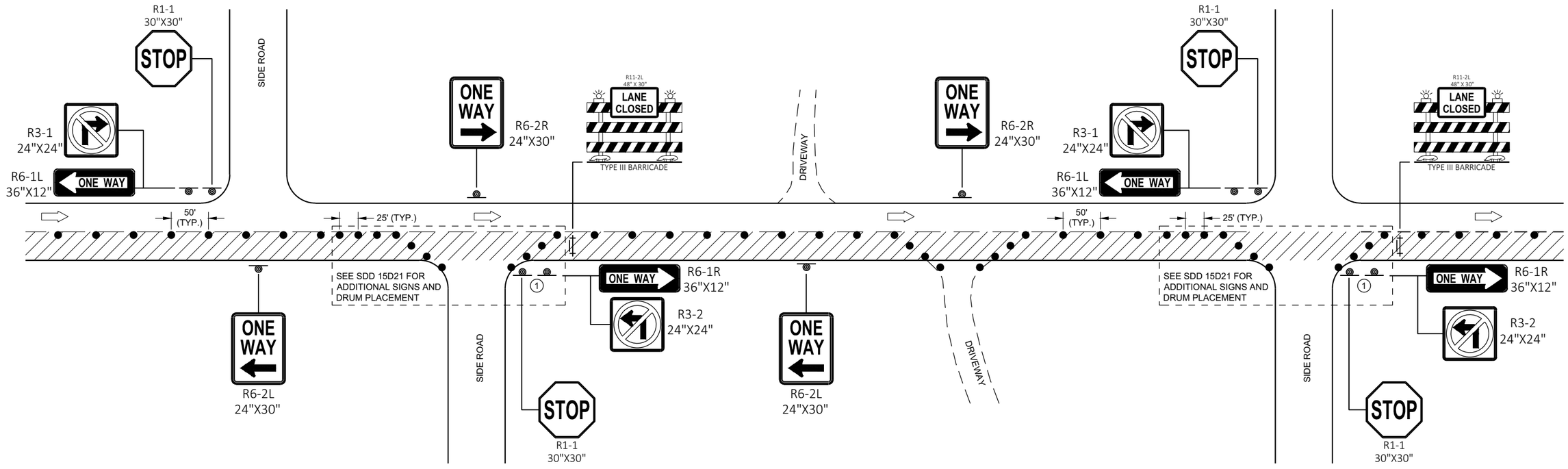
ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) IF WORK OPERATIONS ALLOWS, MOVE R1-1, R6-1R, AND R3-2 CLOSER TO INTERSECTION.

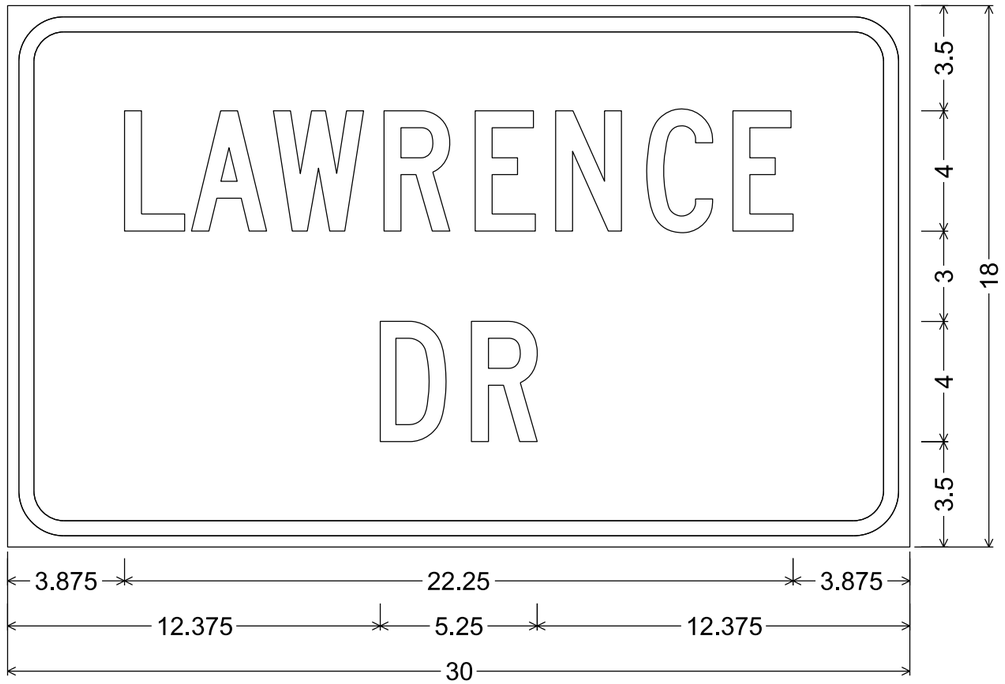


TRAFFIC CONTROL
ONE - WAY SIGNING

TRAFFIC CONTROL ONE-WAY SIGNING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2020 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEE
FHWA	

SDD 15D46 - 01

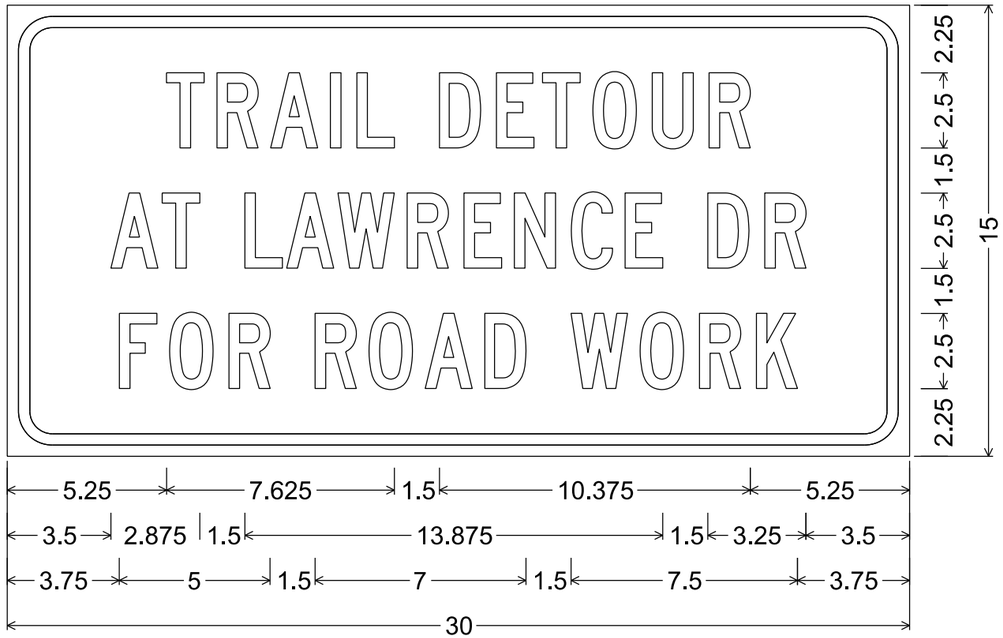
SDD 15D46 - 01



1.875" Radius, 0.500" Border, 0.375" Indent

NOTES

1. Fixed Message Signs are Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C



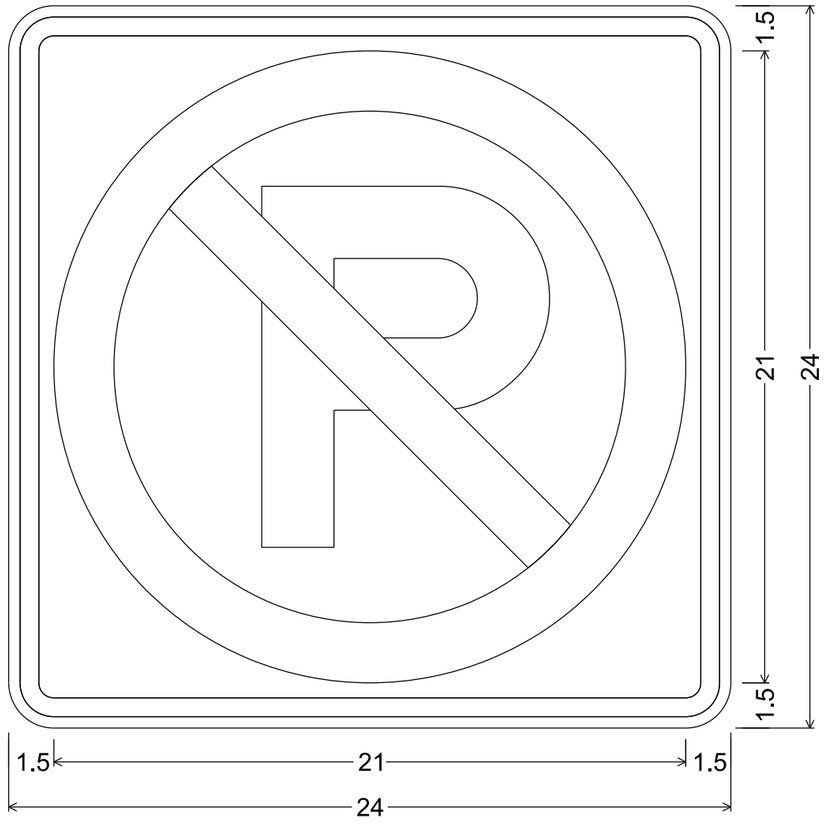
1.500" Radius, 0.375" Border, 0.375" Indent

7

7

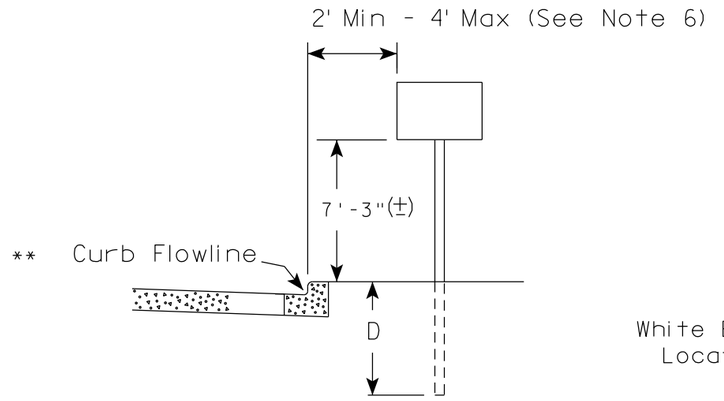
NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black except No Symbol is Red
3. Message Series - C

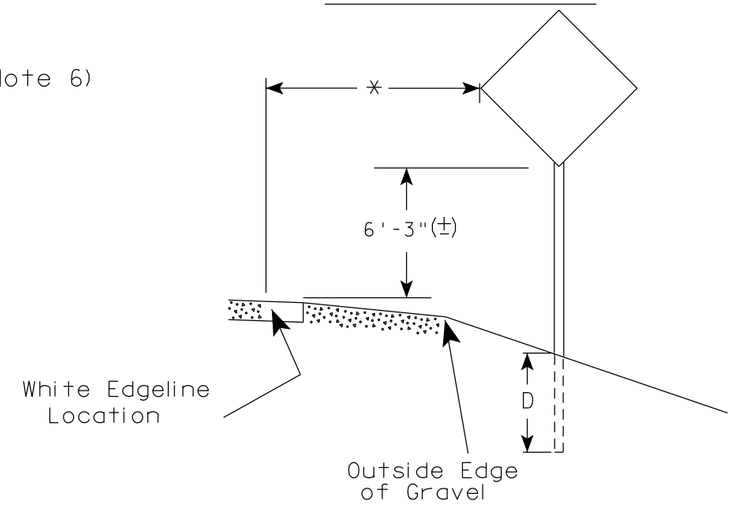


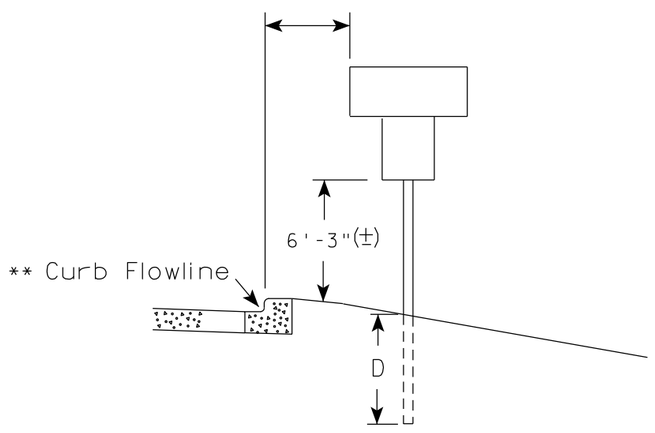
R8-3A: 1.500" Radius, 0.625" Border, 0.375" Indent

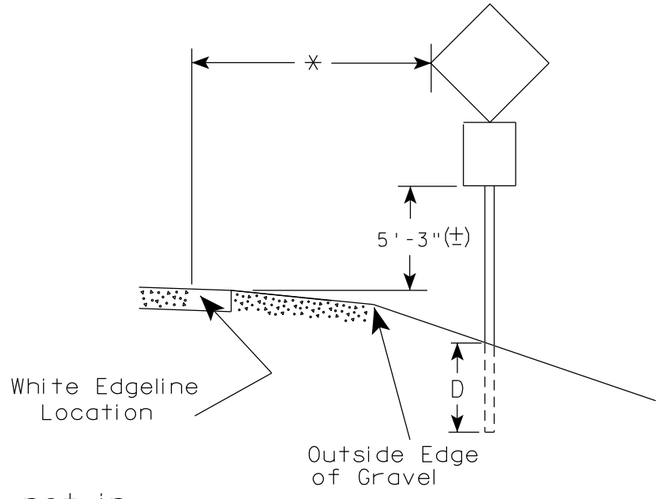
URBAN AREA



RURAL AREA (See Note 2)







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

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

POST EMBEDMENT DEPTH

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

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. The (±) tolerance for mounting height is 3 inches.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.

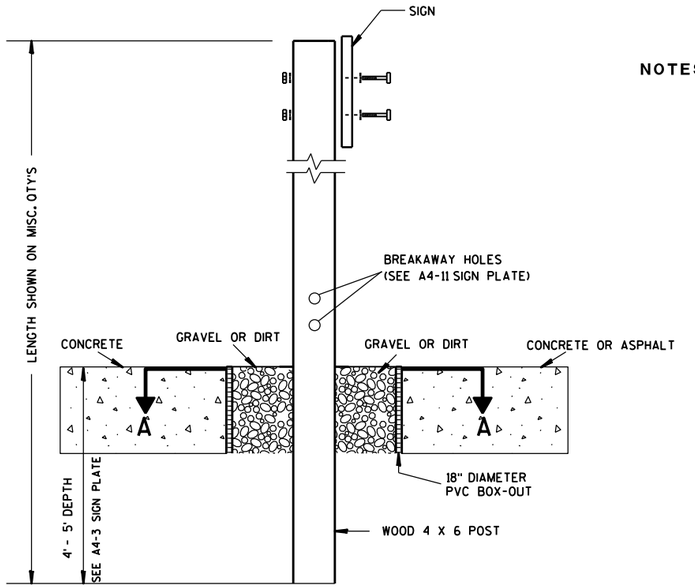
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

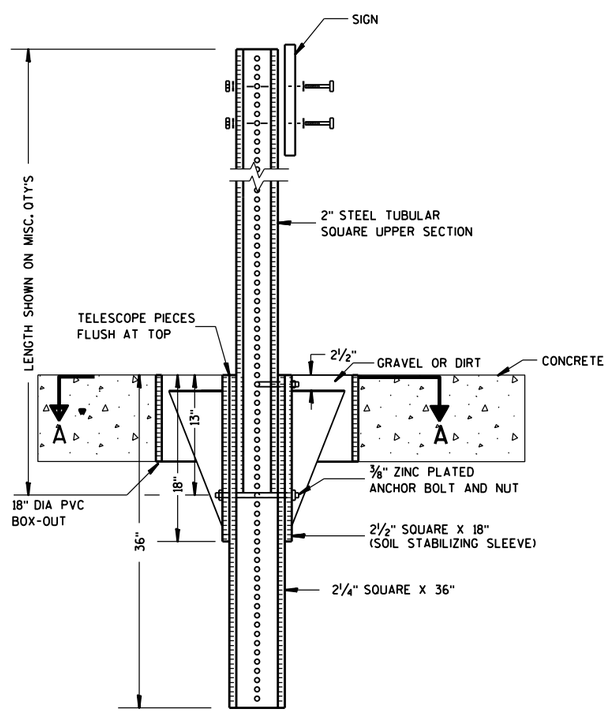
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 202	E



ELEVATION VIEW

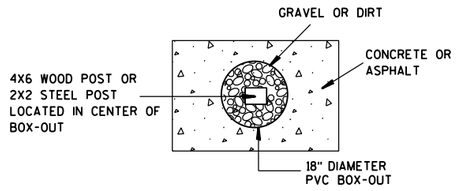
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

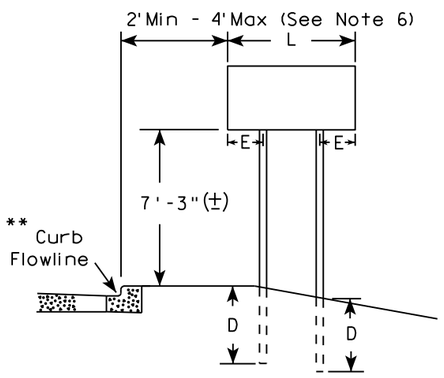
APPROVED Matthew R Rauch
for State Traffic Engineer

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

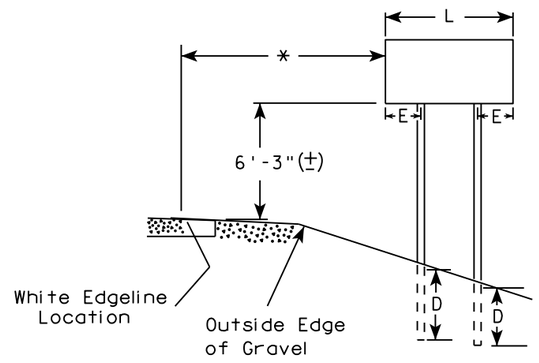
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

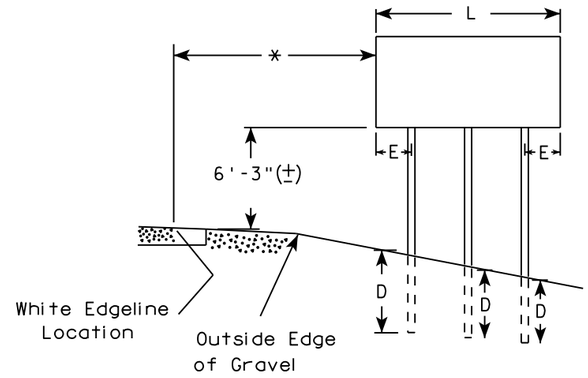
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

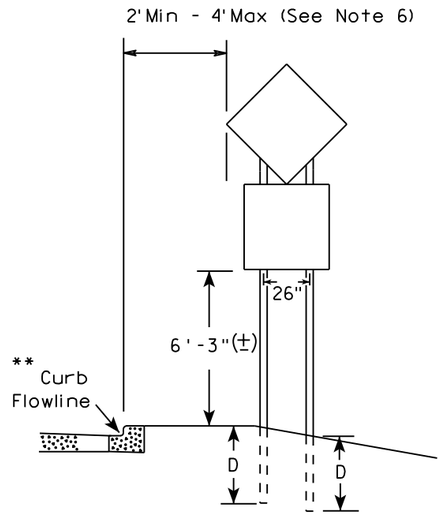
URBAN AREA



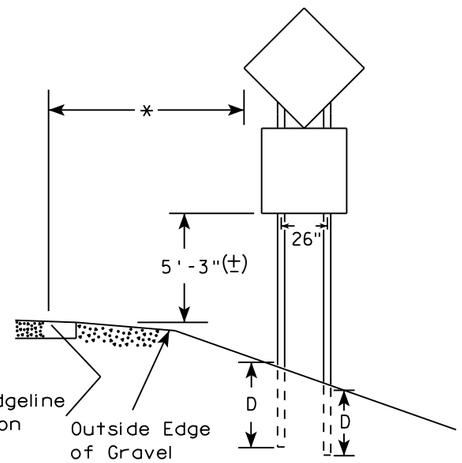
RURAL AREA (See Note 3)







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'

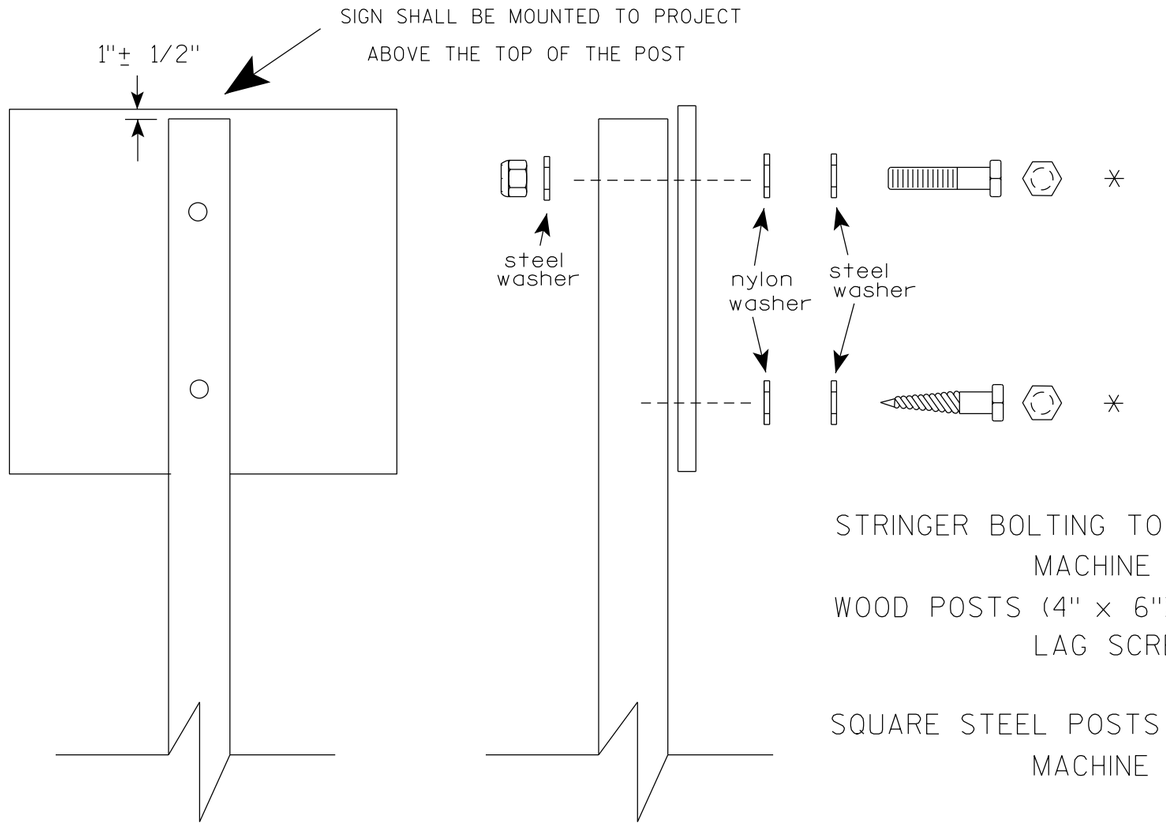
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

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: 204	E



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

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

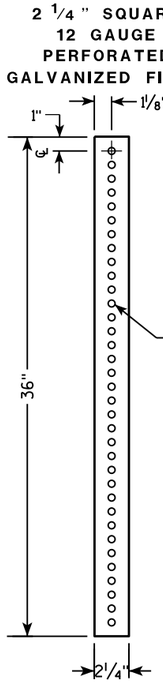
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

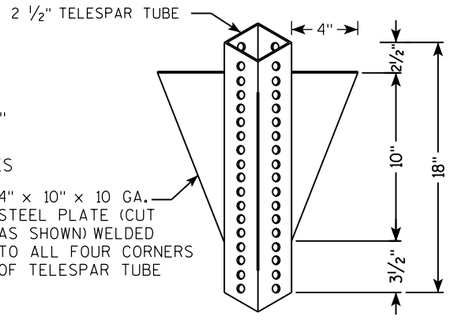
SHEET NO: 205 **E**

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

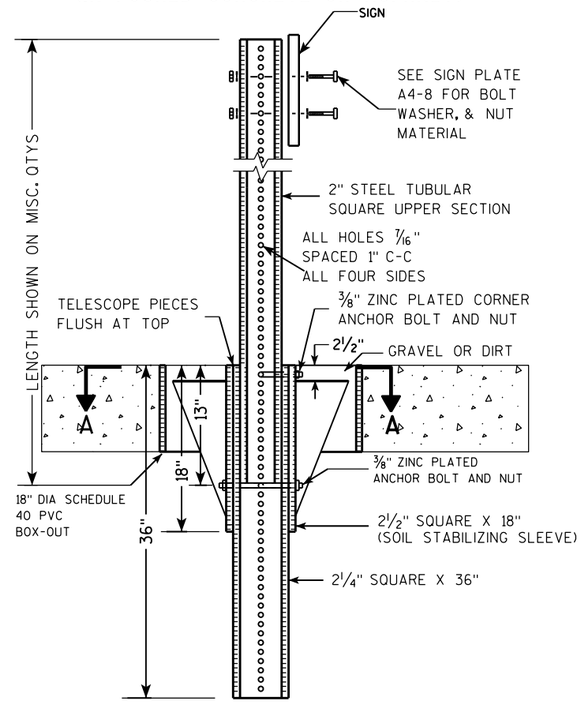
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



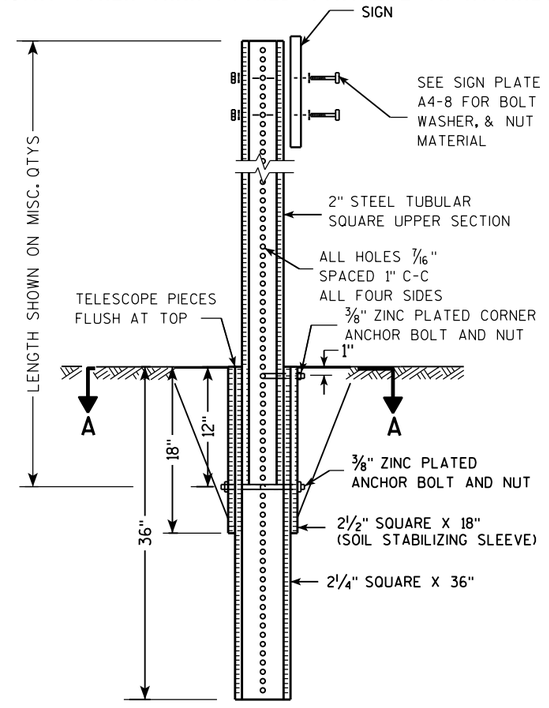
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

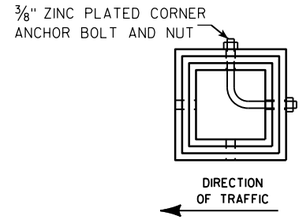


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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





SECTION A-A

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

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

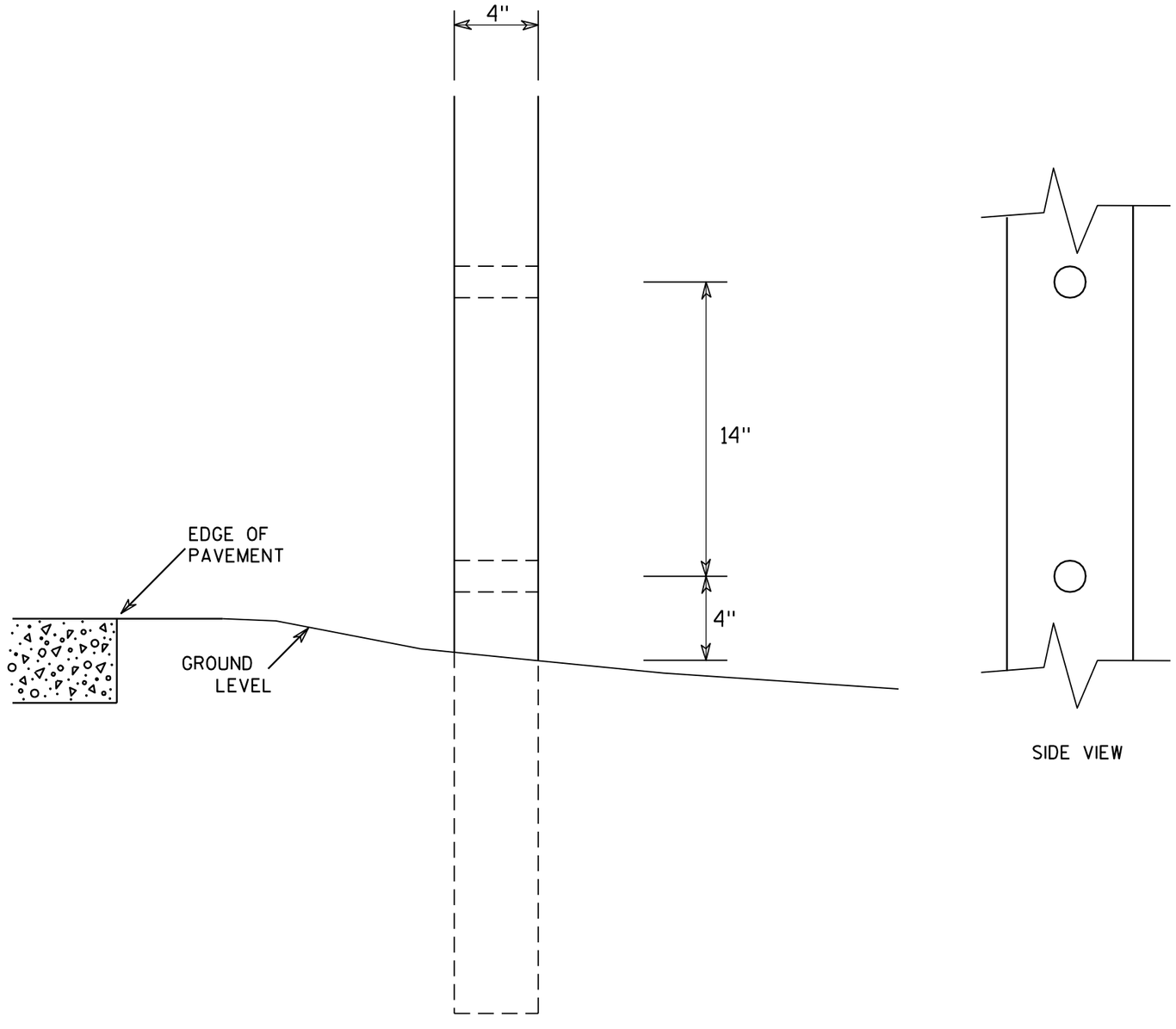
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 206 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.

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

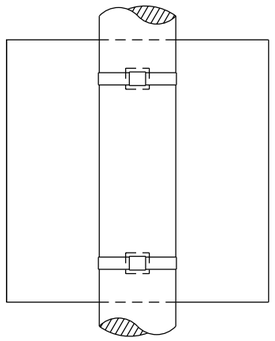
APPROVED Chester J Spang for State Traffic Engineer

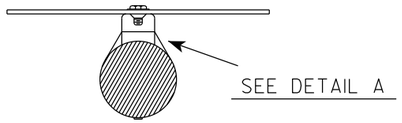
DATE 3/27/97 PLATE NO. A4-11.2

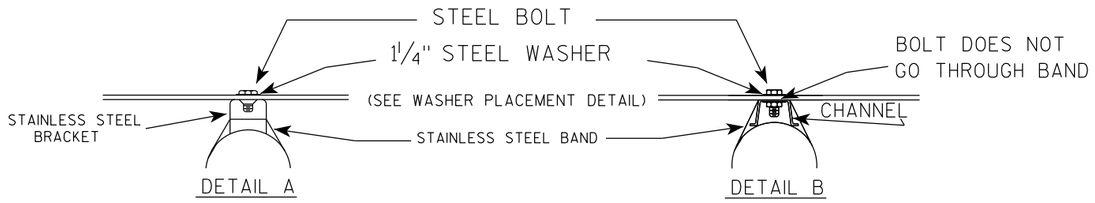
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 207	E

BANDING

SINGLE SIGN



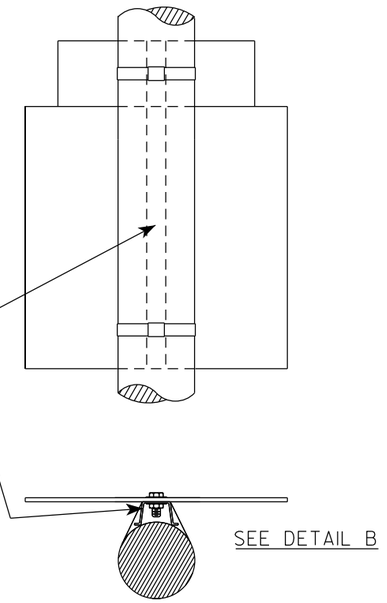




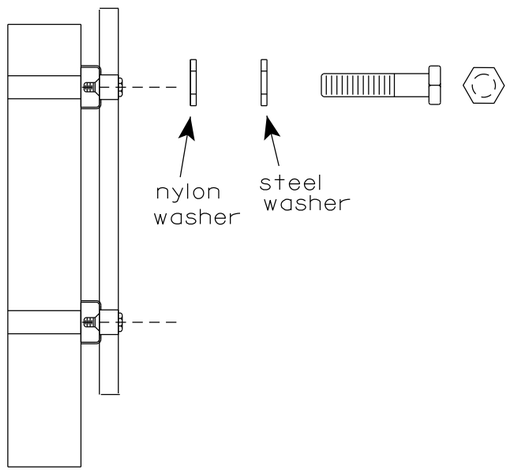
GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

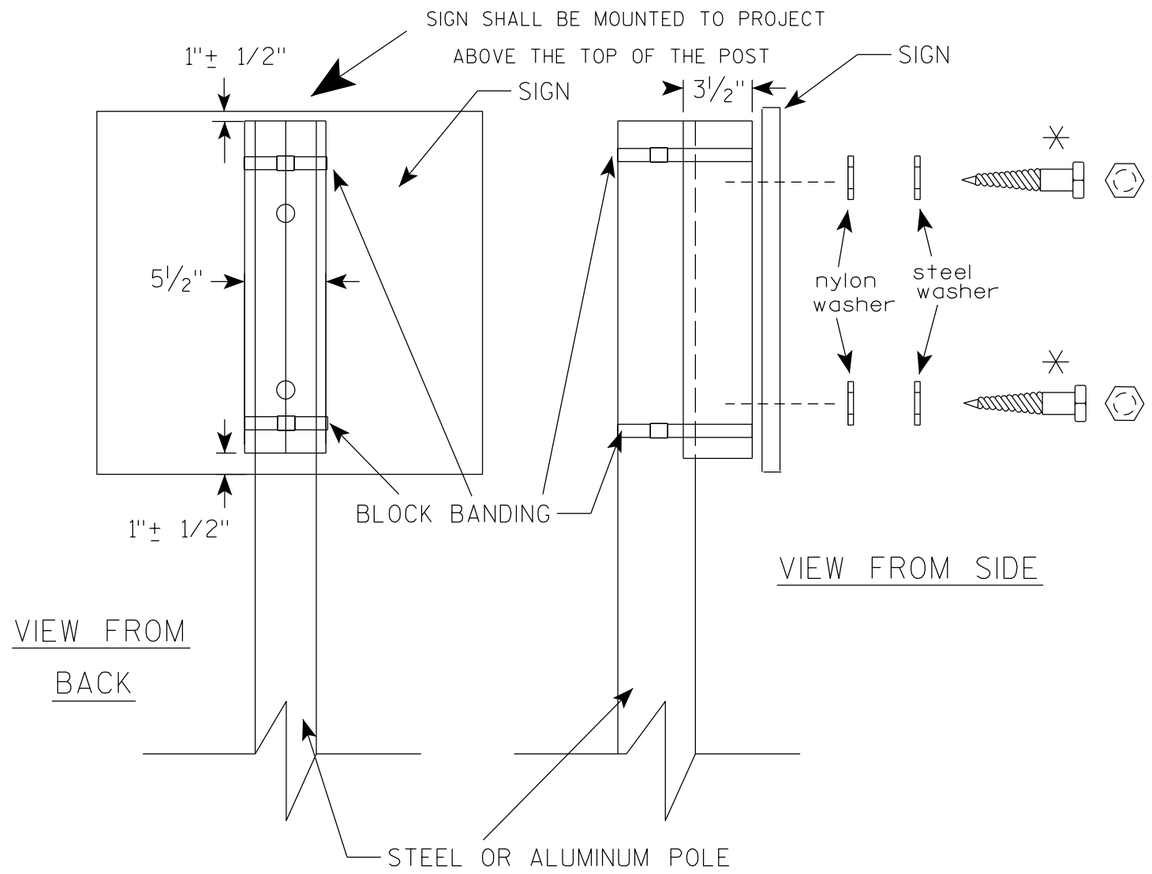
WISCONSIN DEPT OF TRANSPORTATION

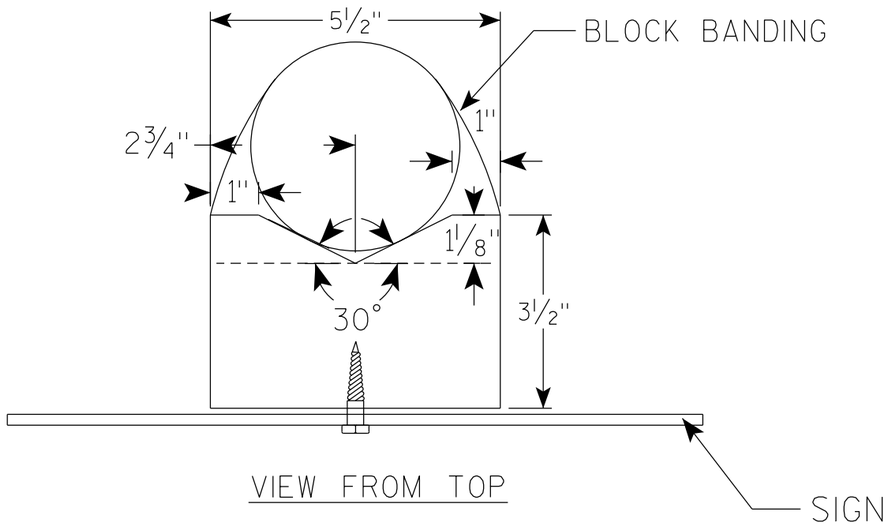
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-9.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 208	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

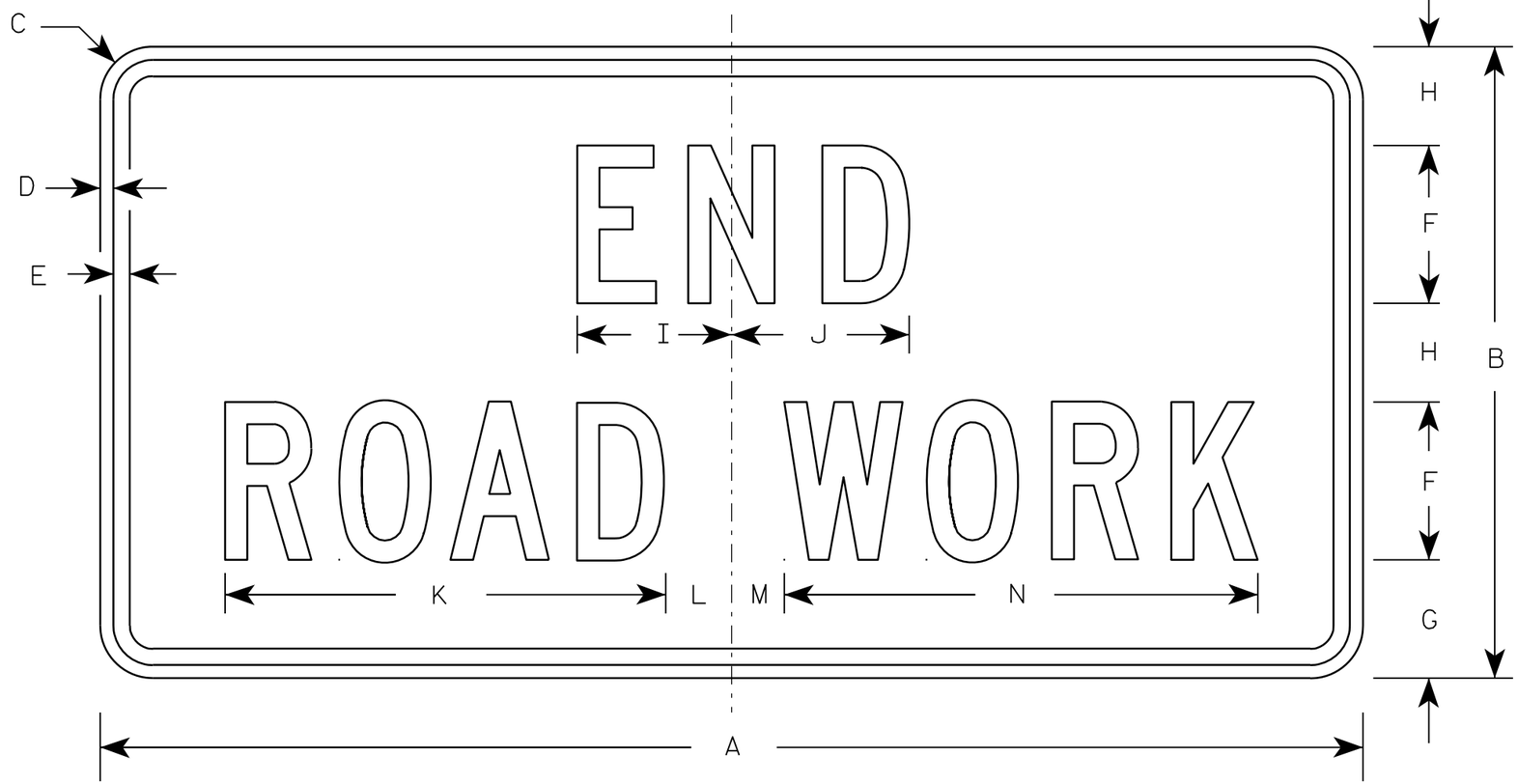
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 209 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

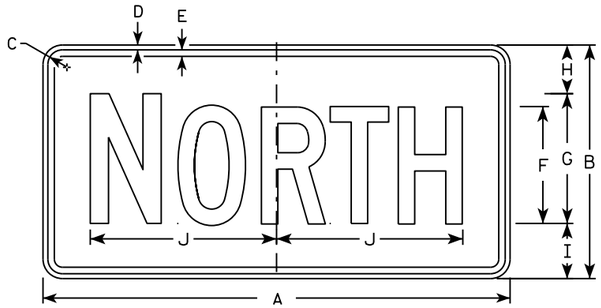
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

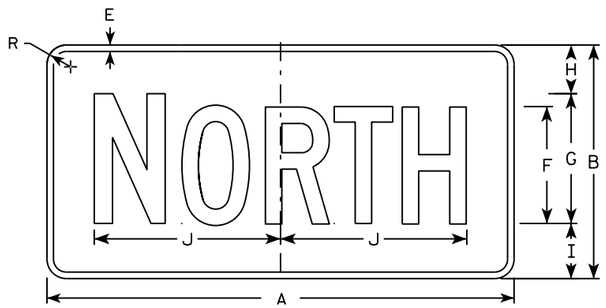
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 210	E



M3-1
MM3-1
MP3-1



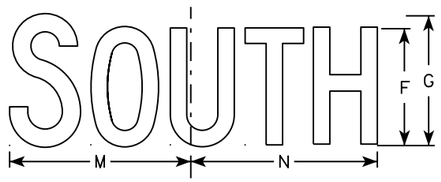
MB3-1
MK3-1
MN3-1



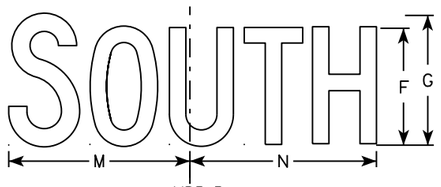
M3-2
MM3-2
MP3-2



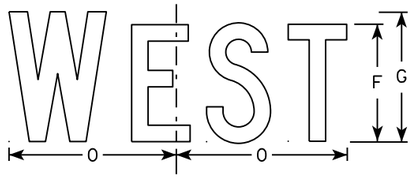
MB3-2
MK3-2
MN3-2



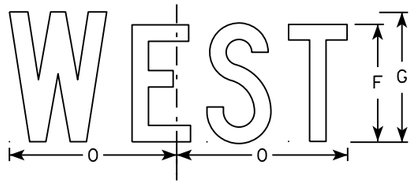
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

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

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

STANDARD SIGNS
M3-1 thur M3-4
SERIES

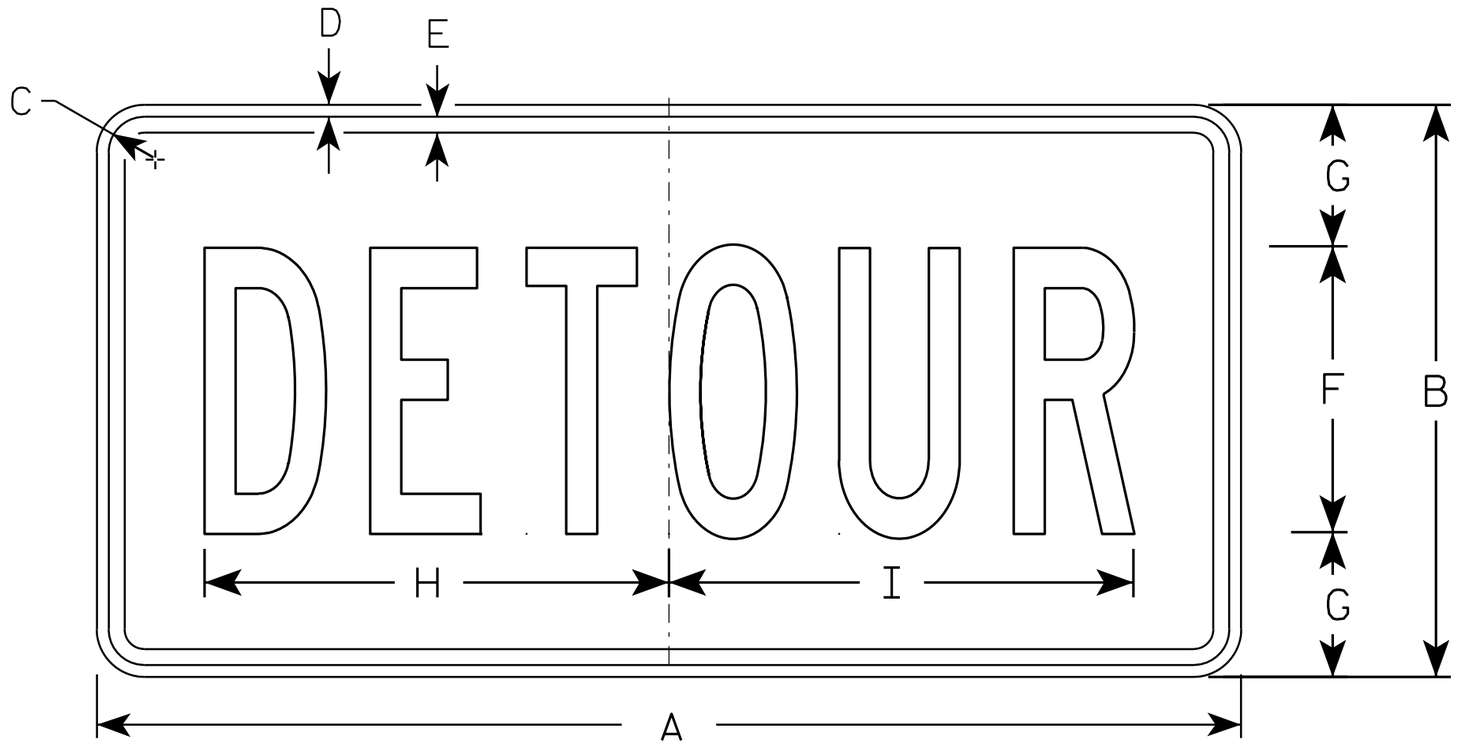
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

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

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



M4-8

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																											

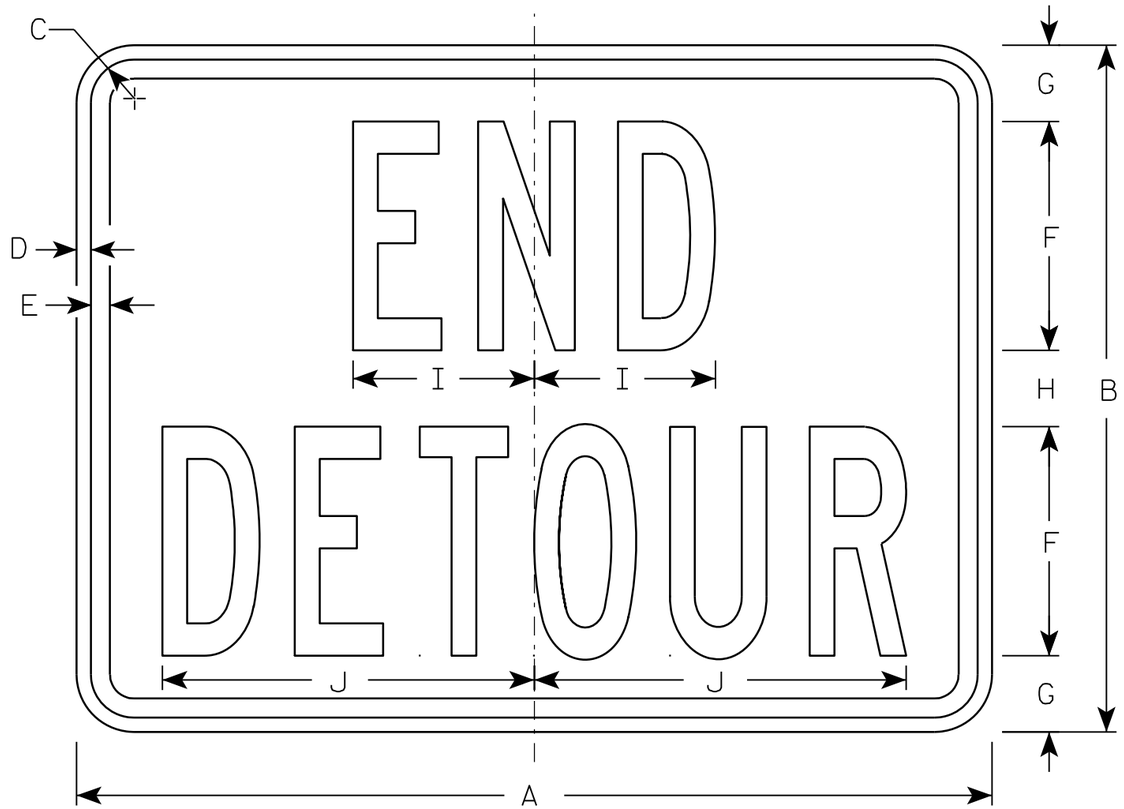
STANDARD SIGN
M4-8

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: 212	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																											

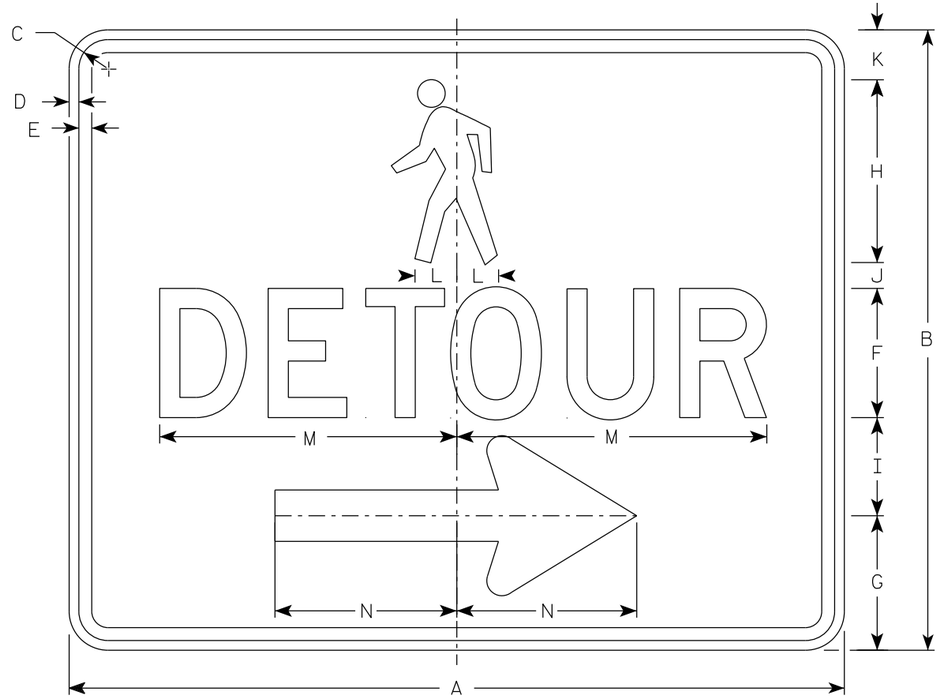
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

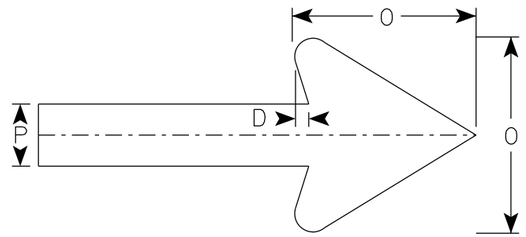
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 213	E



M4-9BR

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.
5. M4-9BL is the same as M4-9BR 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	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5/8	11 3/4	7	6	2											5.00
3																											
4																											
5																											

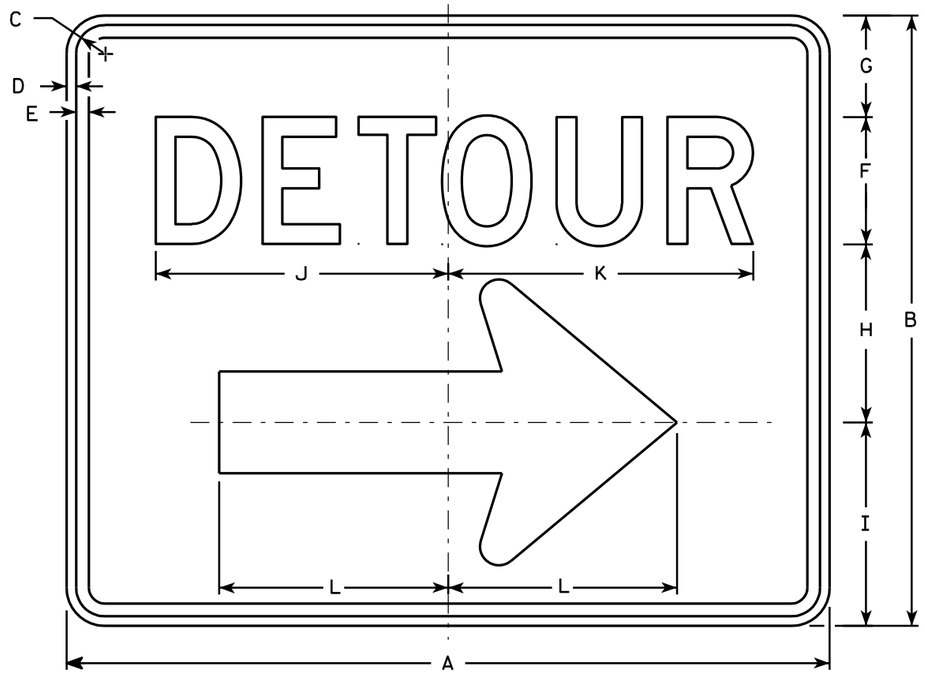
STANDARD SIGN
M4-9B L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 7/1/19 PLATE NO. M4-9B.2

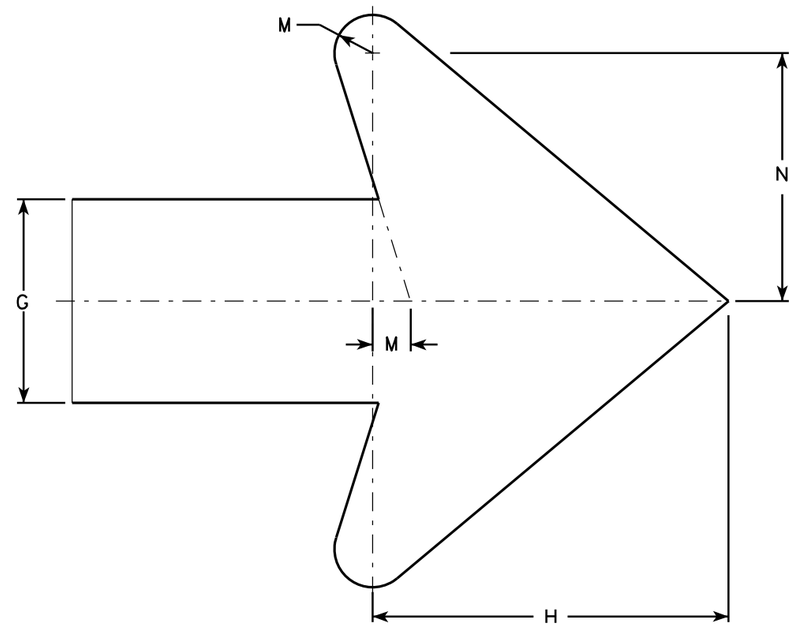
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 214 | E



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

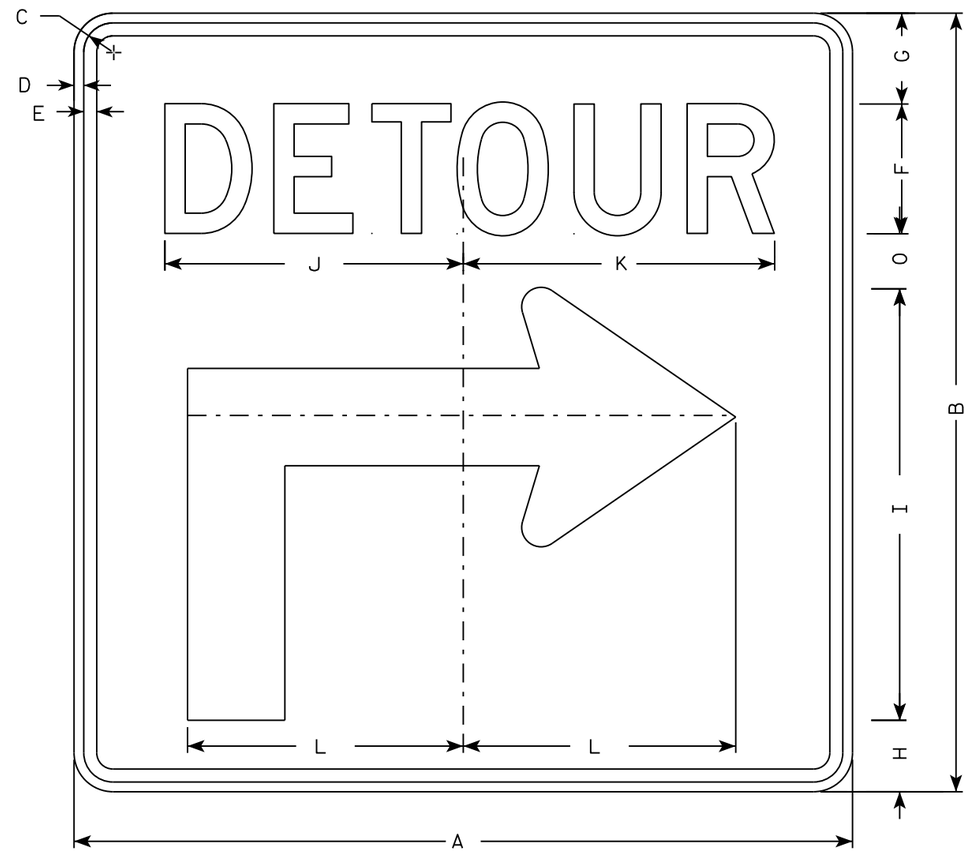
STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

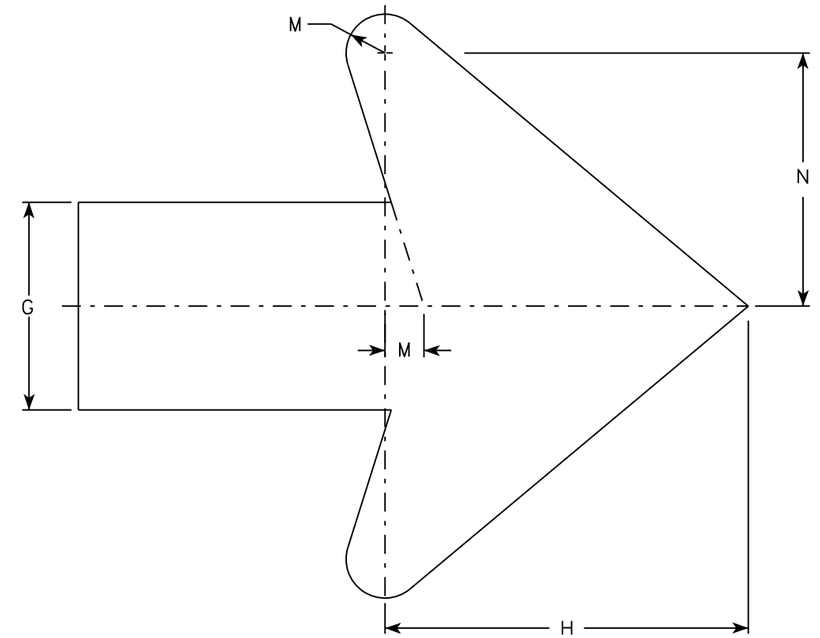
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 215 | E



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

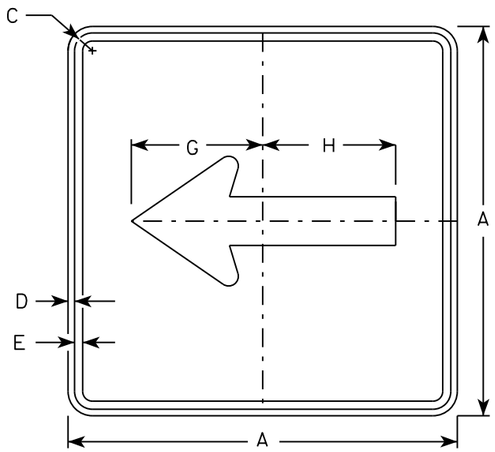
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

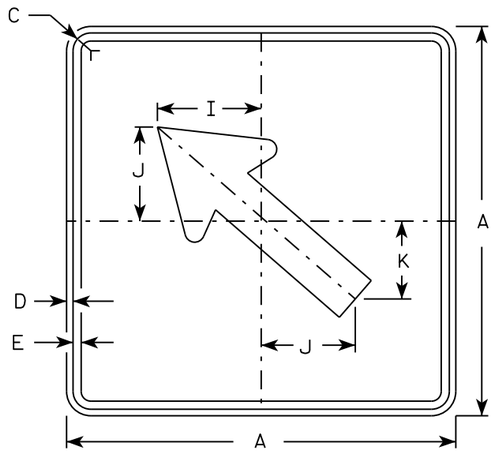
DATE 11/10/15 PLATE M4-59.1

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



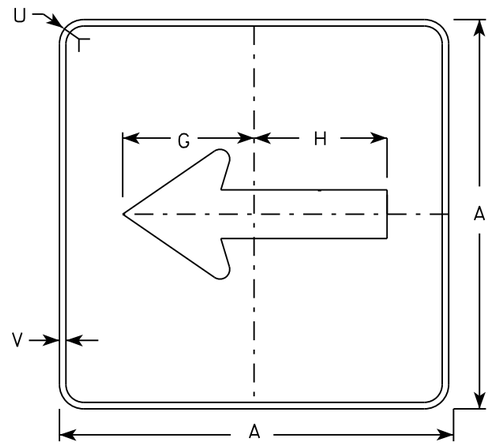
M6-1
MM6-1
MO6-1
MP6-1



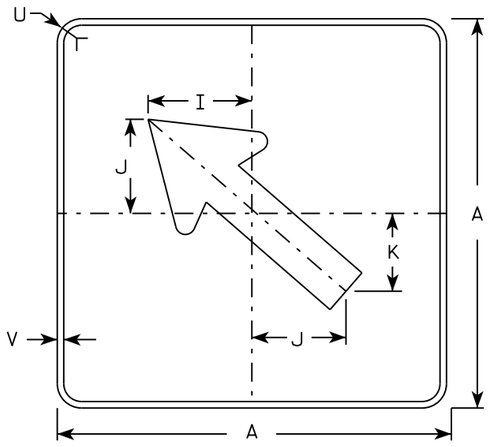
M6-2
MM6-2
MO6-2
MP6-2

NOTES

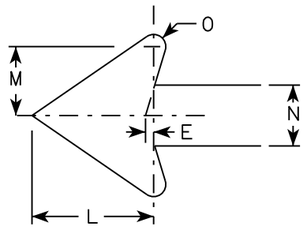
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - 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

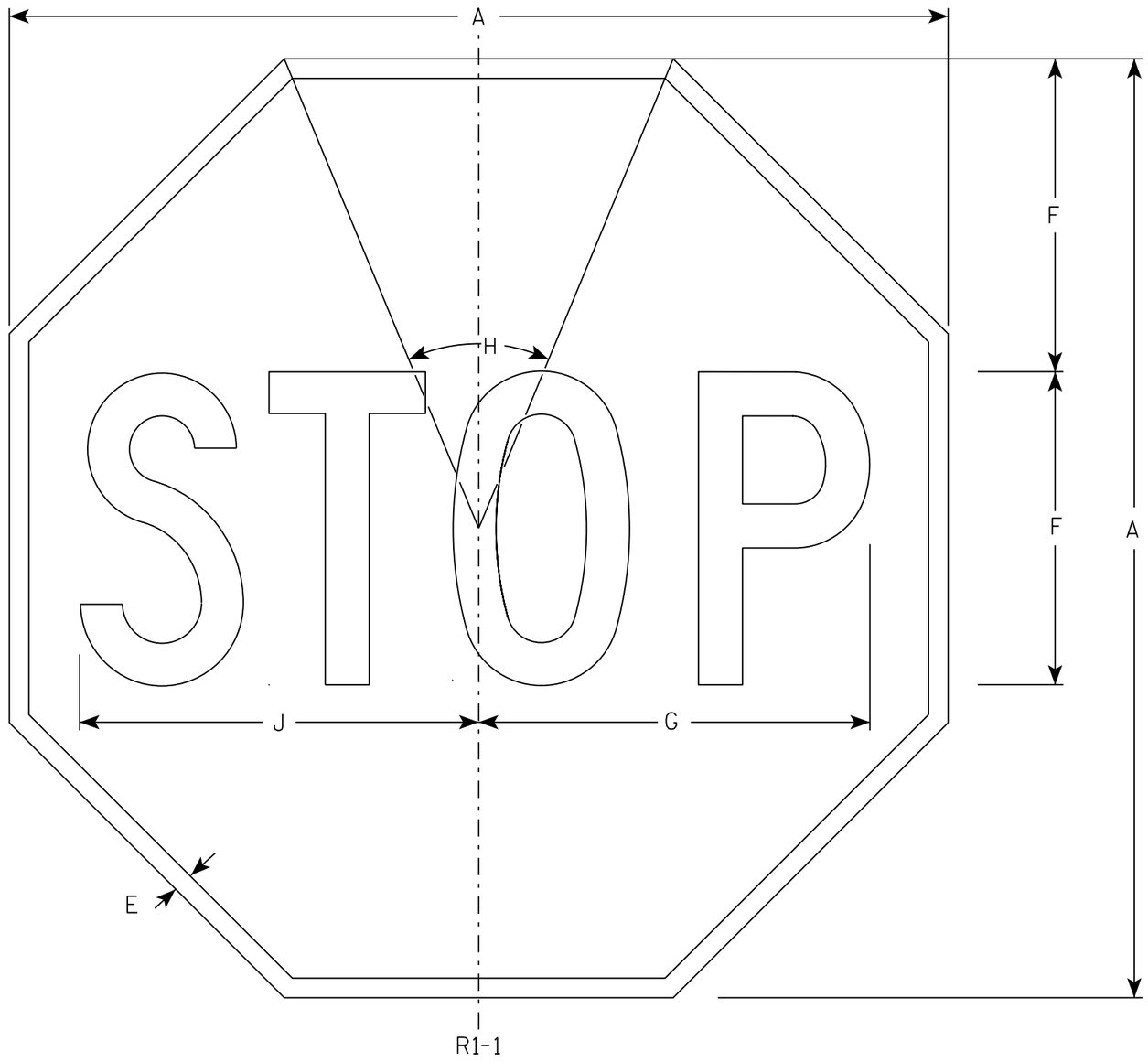
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 217 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

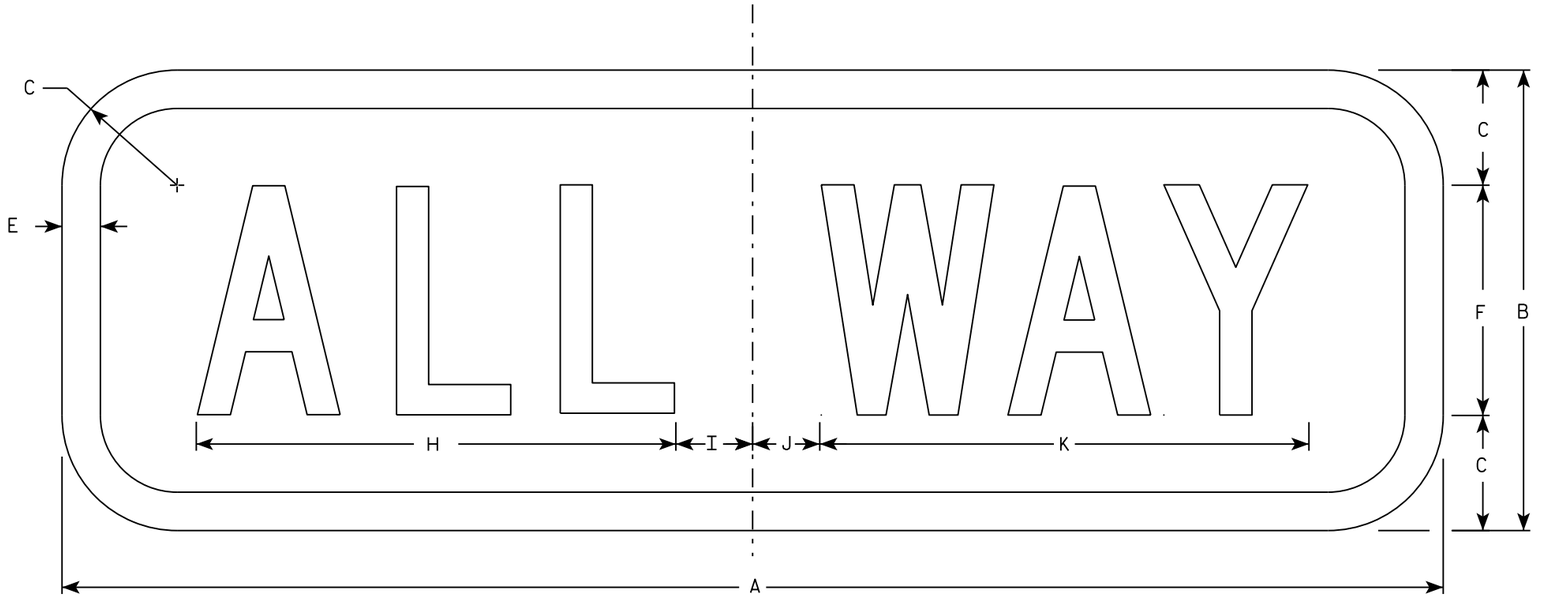
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 218	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. For 30"x30" R1-1 use 18"x6" R1-3P sign
   For 36"x36" R1-1 use 24"x9" R1-3P sign
   For 48"x48" R1-1 use 30"x12" R1-3P sign



R1-3P

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	6	1 ½		½	3		6 ¼	1 ¼	⅞	6 ⅜																0.75
2S	18	6	1 ½		½	3		6 ¼	1 ¼	⅞	6 ⅜																1.5
2M	24	9	1 ½		½	5		9 ¼	1 ¼	¾	9 ¾																1.5
3	24	9	1 ½		½	5		9 ¼	1 ¼	¾	9 ¾																1.5
4	30	12	2 ¼		⅝	6		11	2 ¼	1 ½	11 ¾																2.5
5	30	12	2 ¼		⅝	6		11	2 ¼	1 ½	11 ¾																2.5

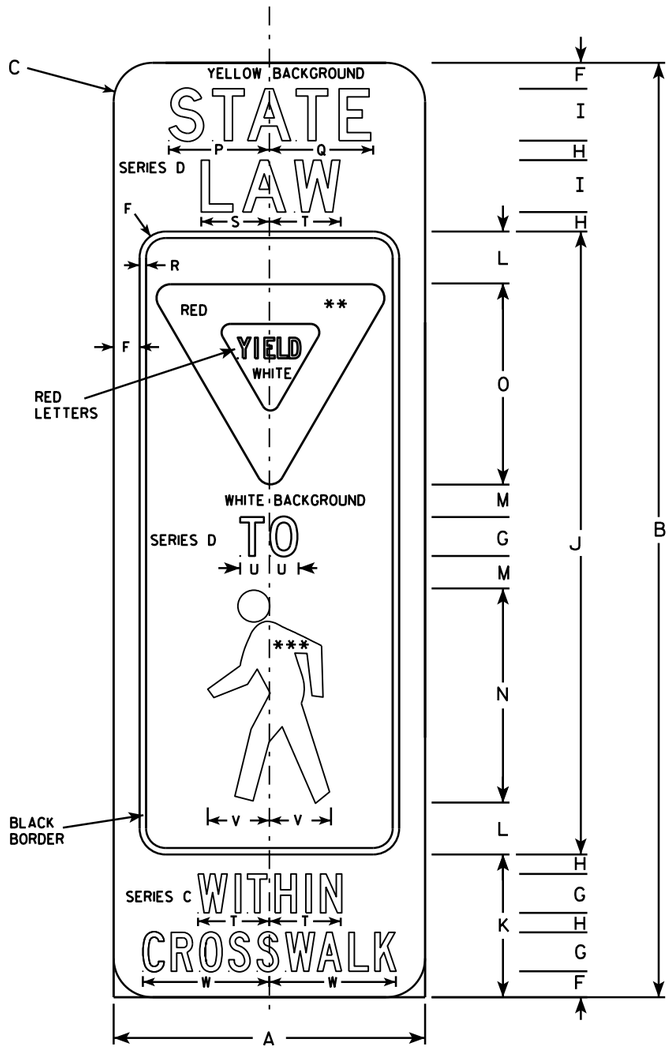
STANDARD SIGN
R1-3P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/29/16 PLATE NO. R1-3P.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 219 | E



R1-6

** INSERT R1-2 AND SIZE TO FIT

*** INSERT W11-2 AND SIZE TO FIT

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - YELLOW
   Message - BLACK
   YIELD SYMBOL - RED ON WHITE
   PED SYMBOL - BLACK ON WHITE
3. Message Series - AS SHOWN AND IN TABLE
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	36	1 ½			1	1 ½C	¾	2 D	24	5 ½	2	1 ¼	8 ¼	7 ¾	3 ⅞	4	¼	2 ⅝	2 ¾	1 ⅛	2 ⅜	4 ⅞				3.0
2M	12	36	1 ½			1	1 ½C	¾	2 D	24	5 ½	2	1 ¼	8 ¼	7 ¾	3 ⅞	4	¼	2 ⅝	2 ¾	1 ⅛	2 ⅜	4 ⅞				3.0
3																											
4																											
5																											

STANDARD SIGN
R1-6

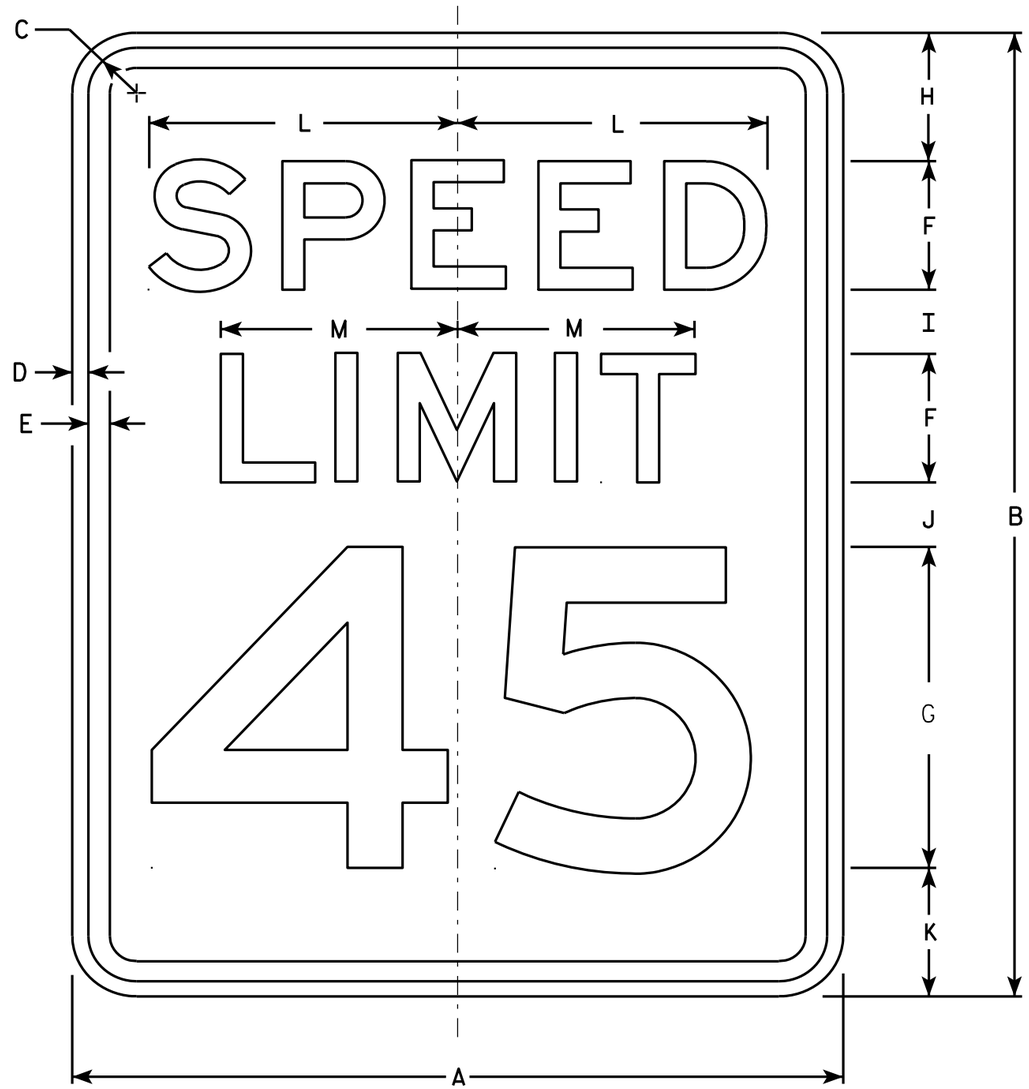
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/29/14 PLATE NO. R1-6.3

PROJECT NO:

SHEET NO: E



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

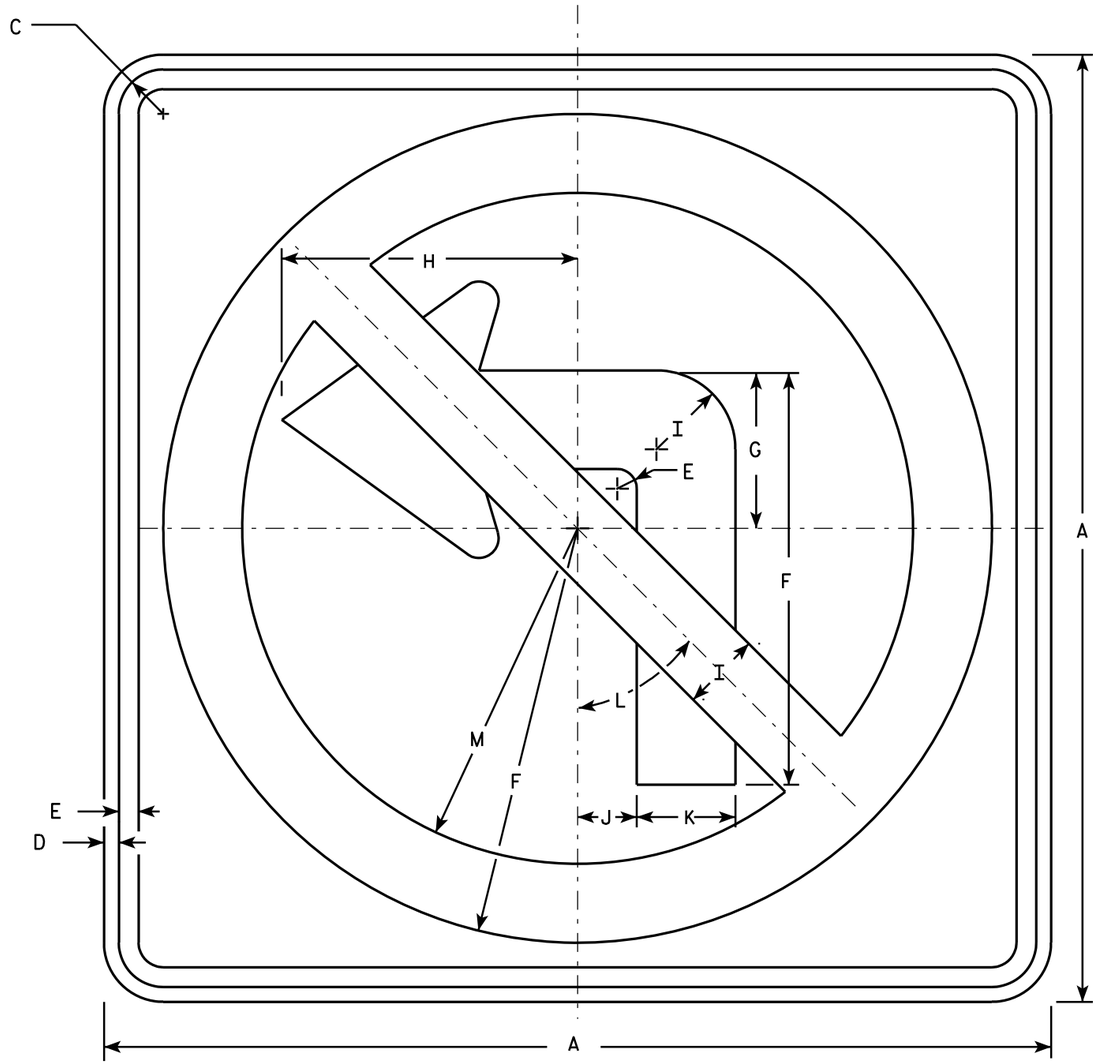
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

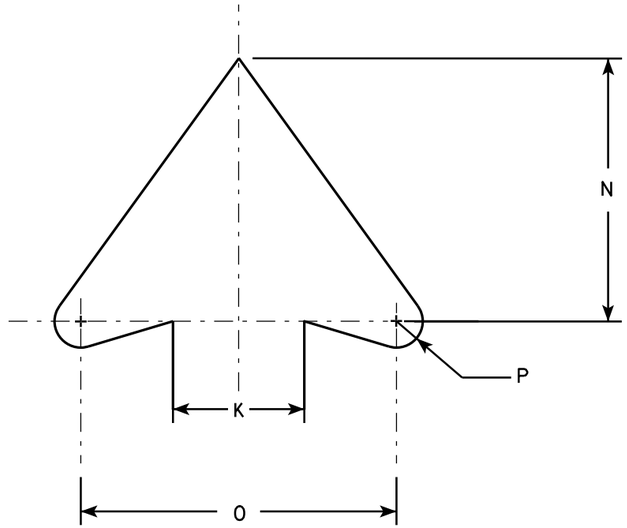
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 221 | E



R3-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

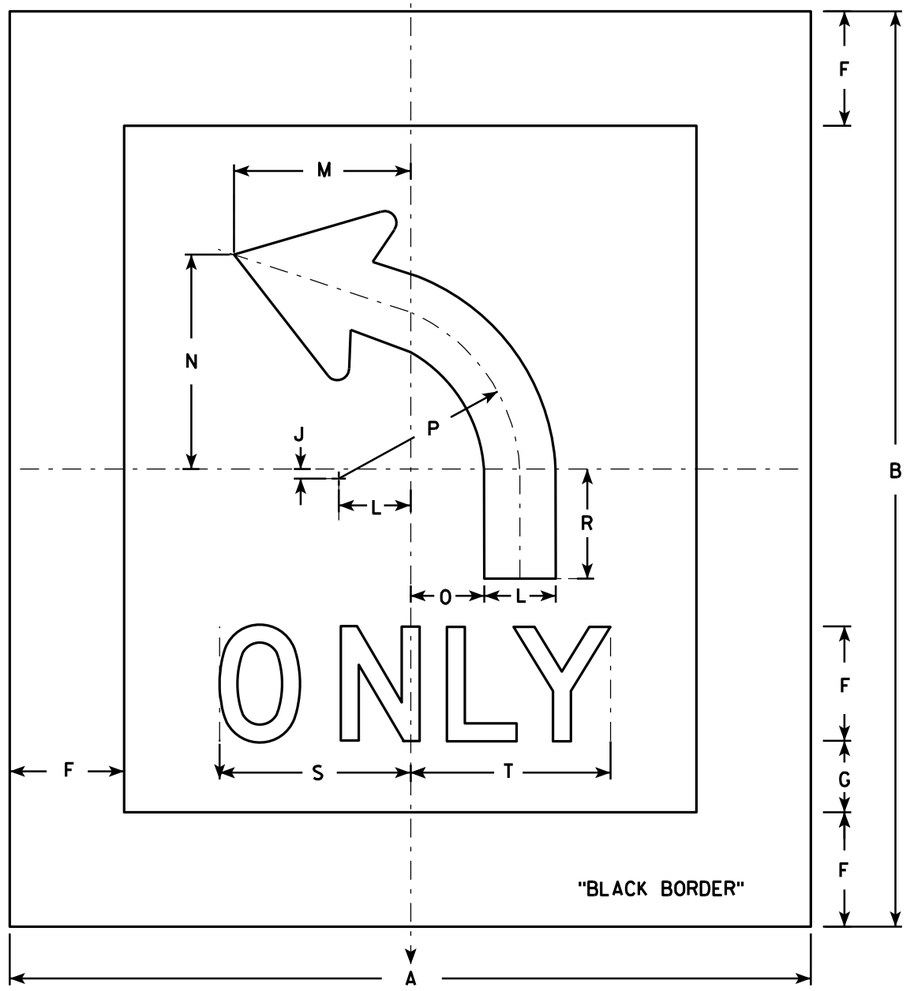
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

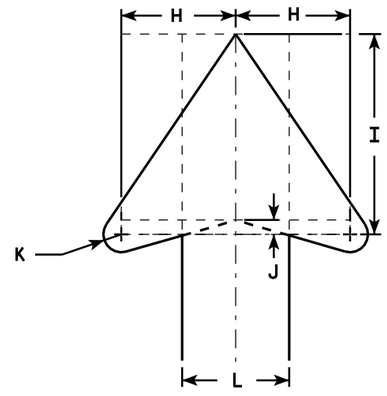
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 222	E



R3-5L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood. When base material is metal, the corners shall be rounded.
5. R3-5R is the same as R3-5L except curved portion of arrow points right.
6. The 6" border is non-reflective black.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	42	48				6	3 3/4	4	7	1/2	5/8	3 3/4	9 1/4	11 1/4	3 7/8	9 1/2		5 3/4	10	10 1/2							1.26
2M	42	48				6	3 3/4	4	7	1/2	5/8	3 3/4	9 1/4	11 1/4	3 7/8	9 1/2		5 3/4	10	10 1/2							1.26
3																											
4																											
5																											

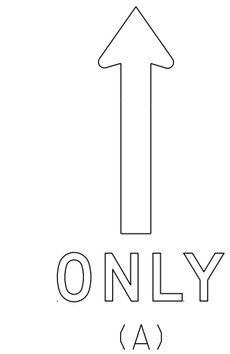
STANDARD SIGN
R3-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/24/11 PLATE NO. R3-5.6

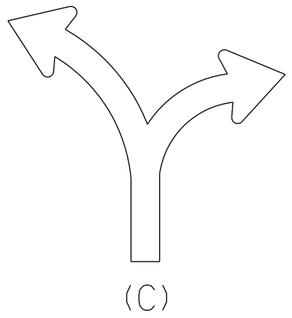
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 223 | E

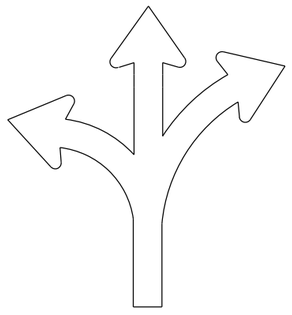


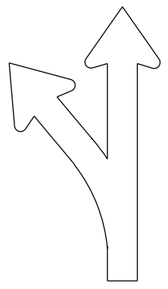
(A)

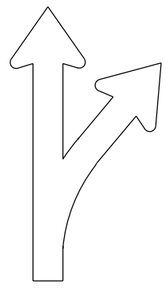


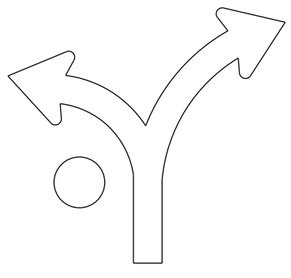
(B)

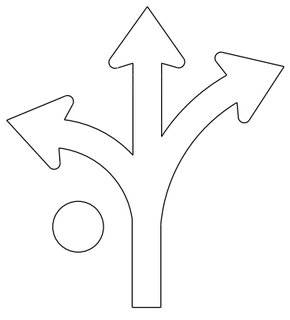

(C)

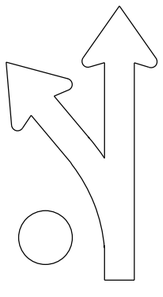

(D)

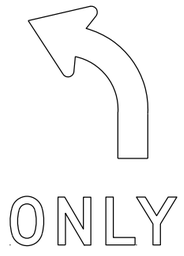

(E)


(F)

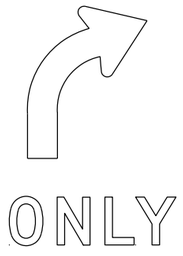

(G)


(H)

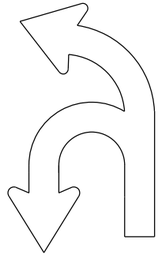

(I)



(L)



(R)


(U)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1 Letter =	3.75 sq ft	for Size 2
	6.0 sq ft	for Size 3
	10.0 sq ft	for Size 4 or 5
2 Letters =	7.5 sq ft	for Size 2
	12.0 sq ft	for Size 3
	20.0 sq ft	for Size 4 or 5
3 Letters =	11.25 sq ft	for Size 2
	18.0 sq ft	for Size 3
	30.0 sq ft	for Size 4 or 5
4 Letters =	15.0 sq ft	for Size 2
	24.0 sq ft	for Size 3
	40.0 sq ft	for Size 4 or 5
5 Letters =	18.75 sq ft	for Size 2
	30.0 sq ft	for Size 3
	50.0 sq ft	for Size 4 or 5
6 Letters =	22.5 sq ft	for Size 2
	36.0 sq ft	for Size 3
	60.0 sq ft	for Size 4 or 5

6. When letters C,D,G,H are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

7

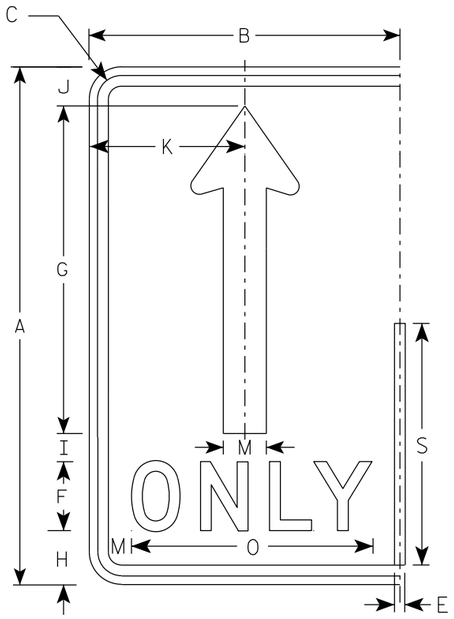
7

PROJECT NO:

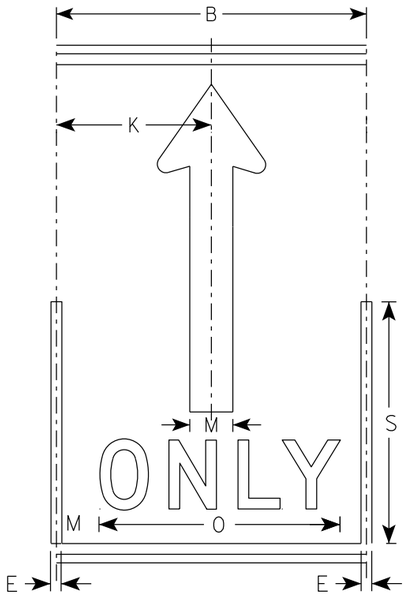
SHEET NO: 224 E

NOTES

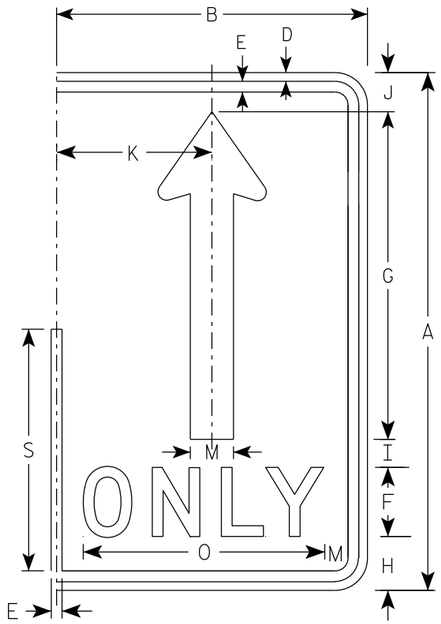
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



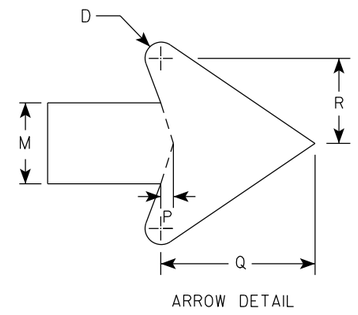
(A)



(A)



(A)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

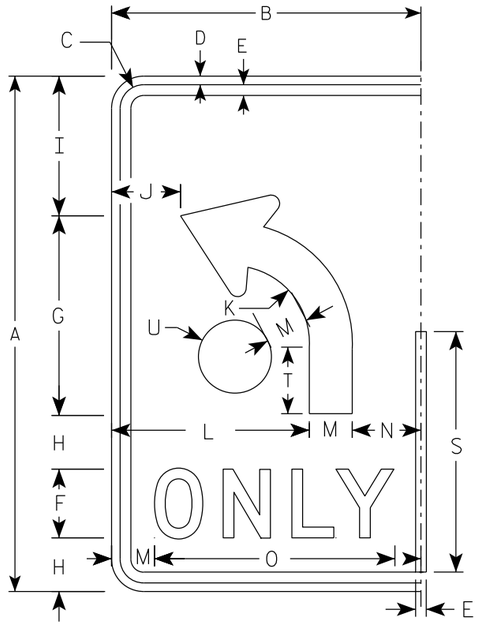
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

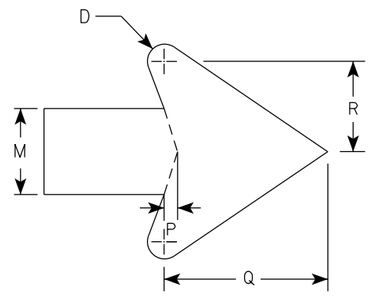
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 225 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
   Message Series - D



(B)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

SHEET NO: 226 E

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 21-MAY 2019 4:38 PLOT BY : mscj9h PLOT NAME :

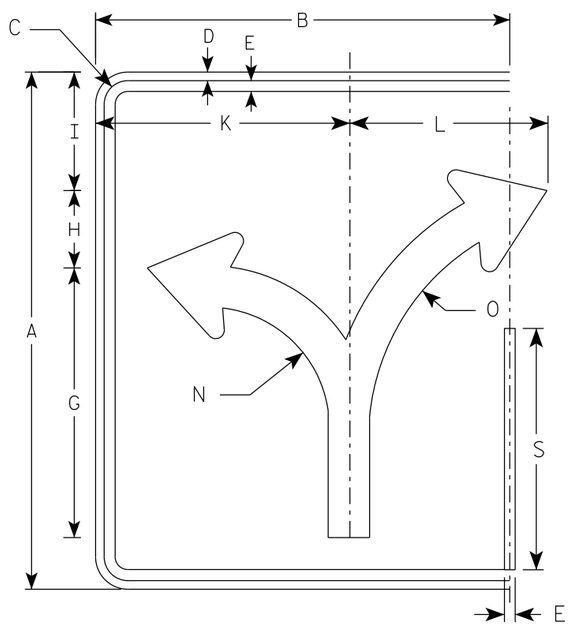
WISDOT/CADDS SHEET 42

7

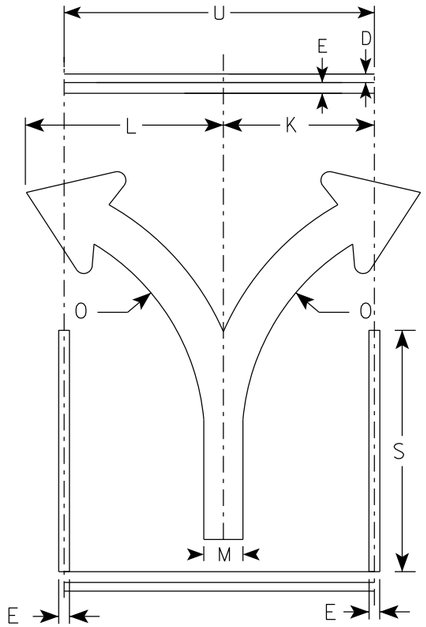
7

NOTES

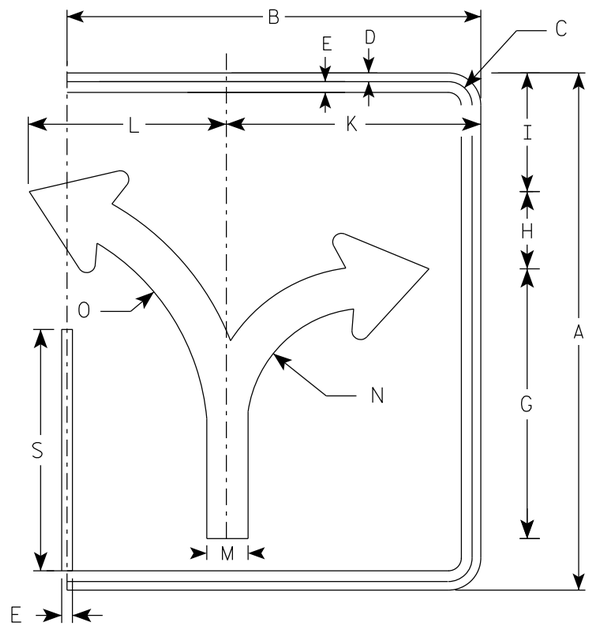
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



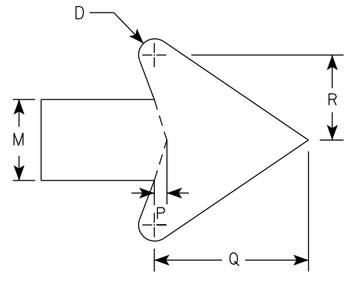
(C)



(C)



(C)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

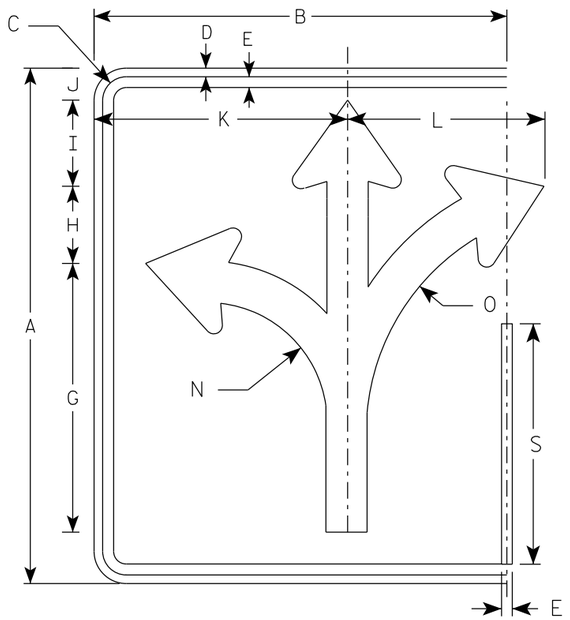
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

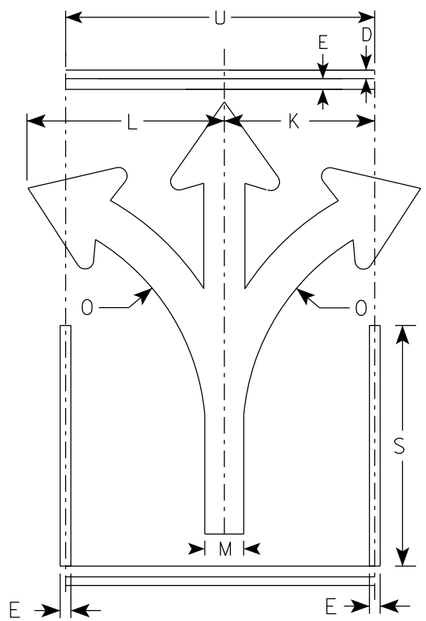
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 227 | E

NOTES

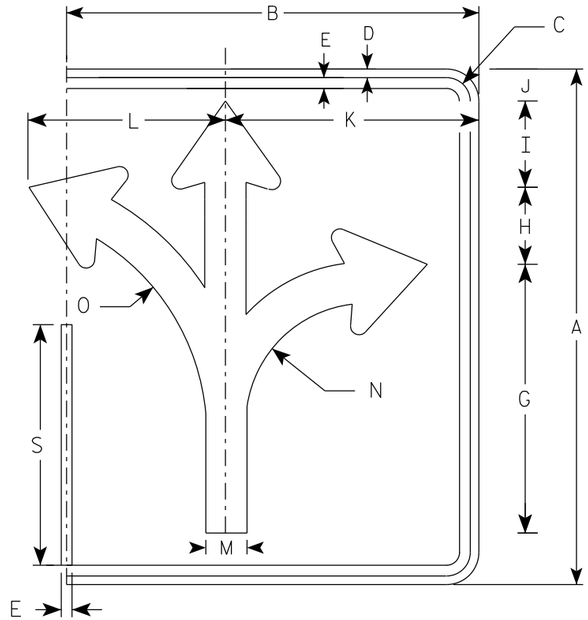
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



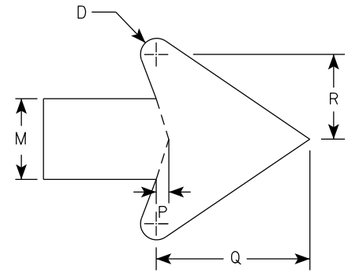
(D)



(D)



(D)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

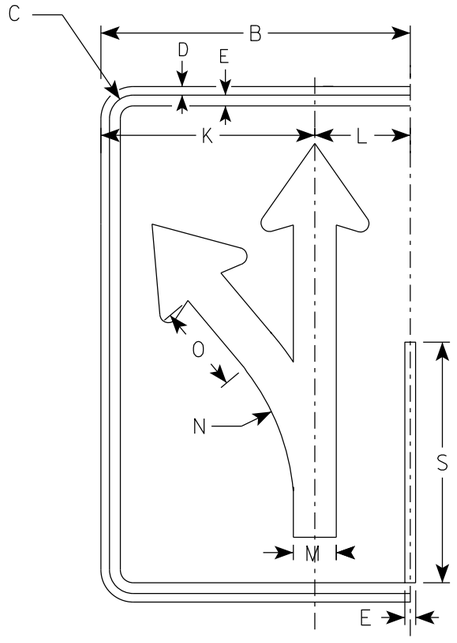
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

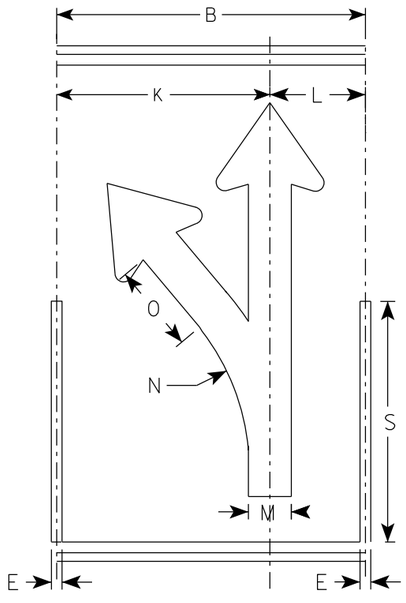
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 228 | E

NOTES

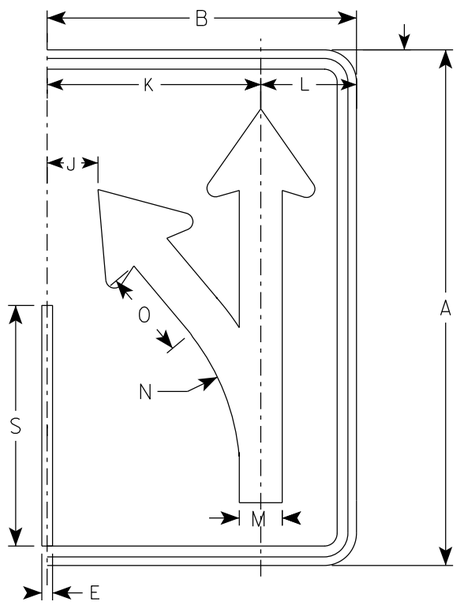
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



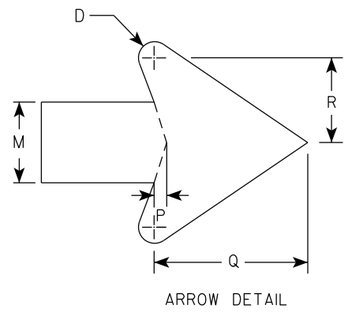
(E)



(E)



(E)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

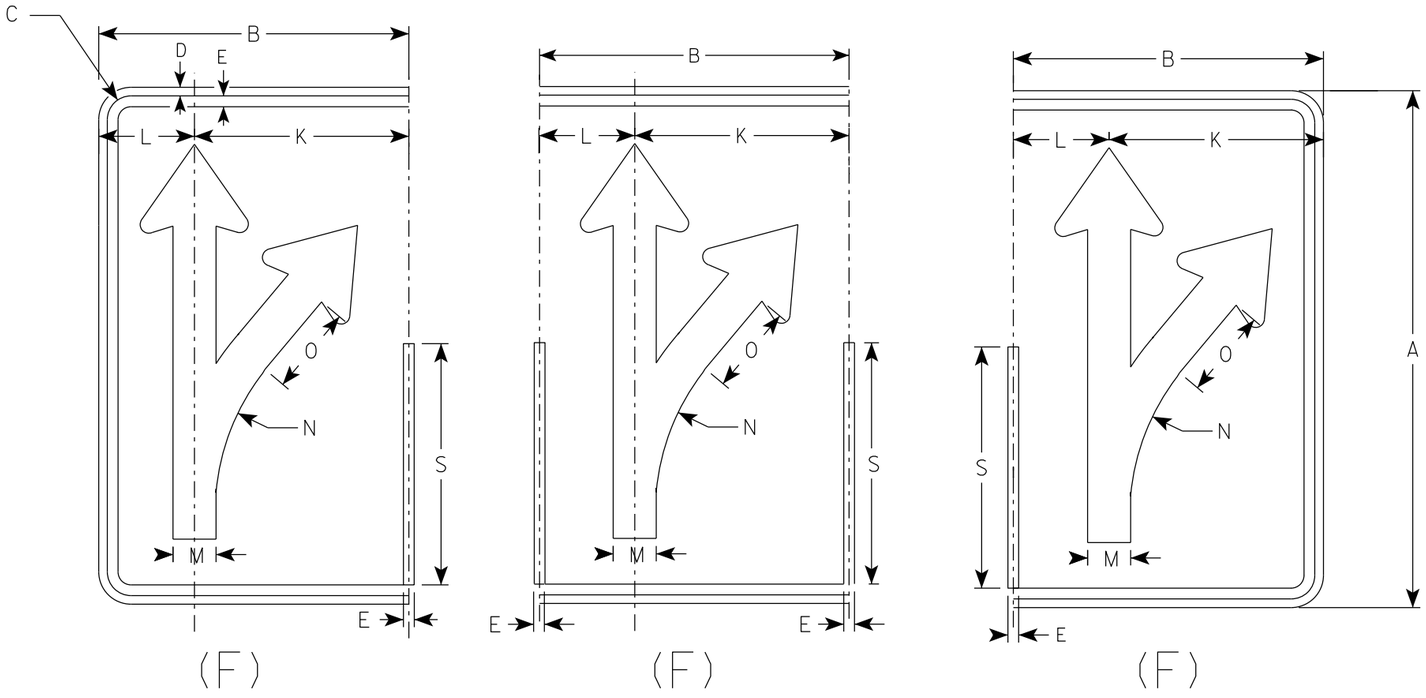
APPROVED Matthew R Rauch
For State Traffic Engineer

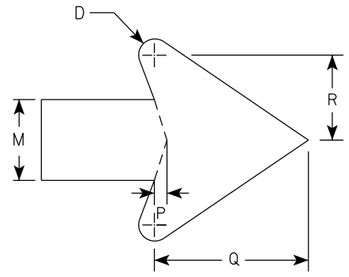
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 229 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None





ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

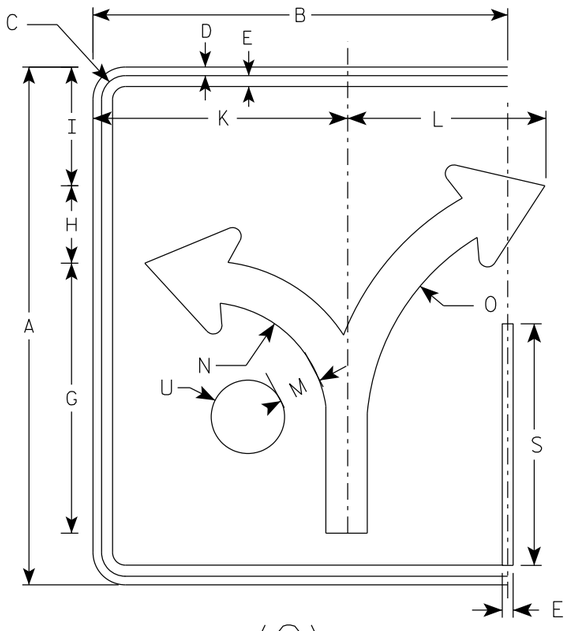
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

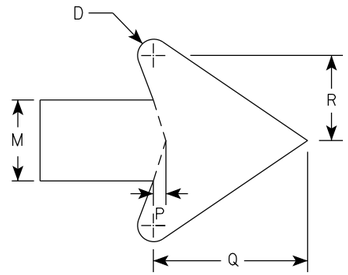
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 230 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(G)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

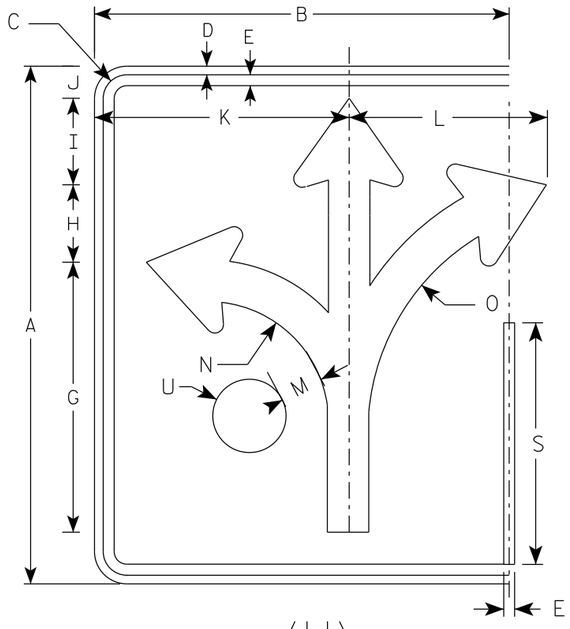
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

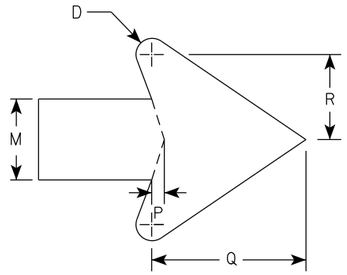
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 231 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(H)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

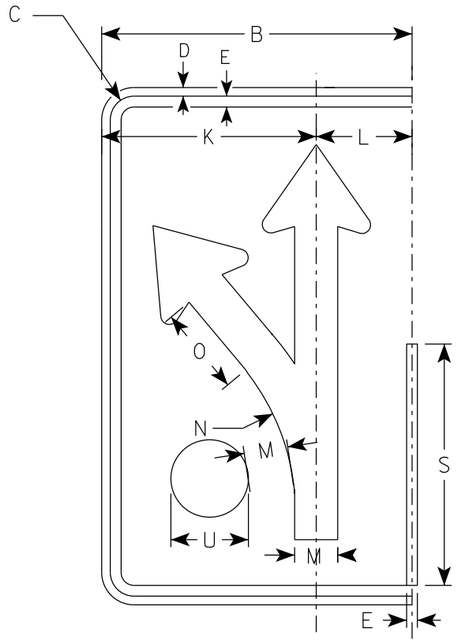
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

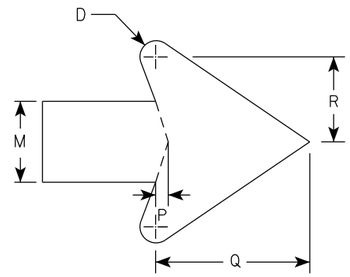
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 232	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(I)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

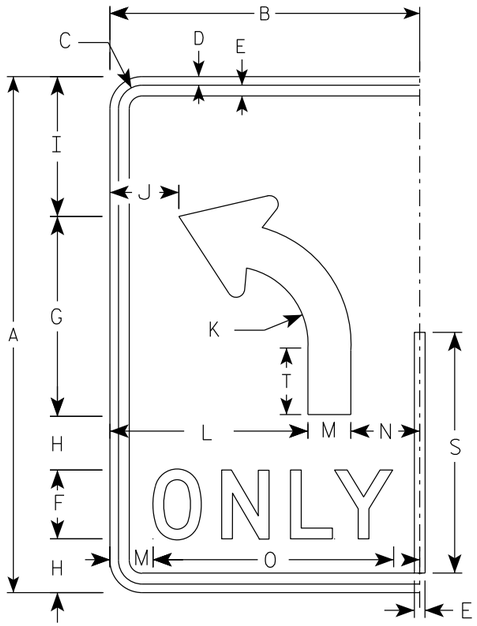
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

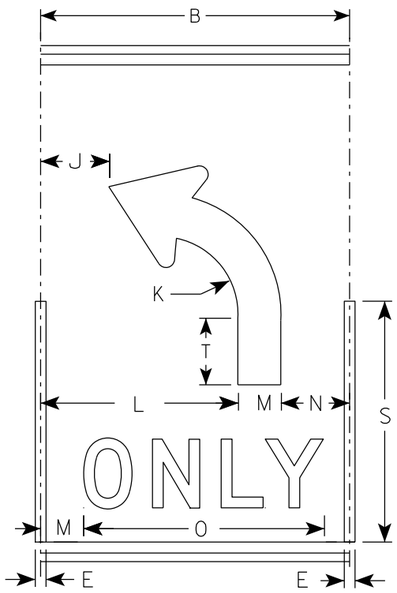
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 233 | E

NOTES

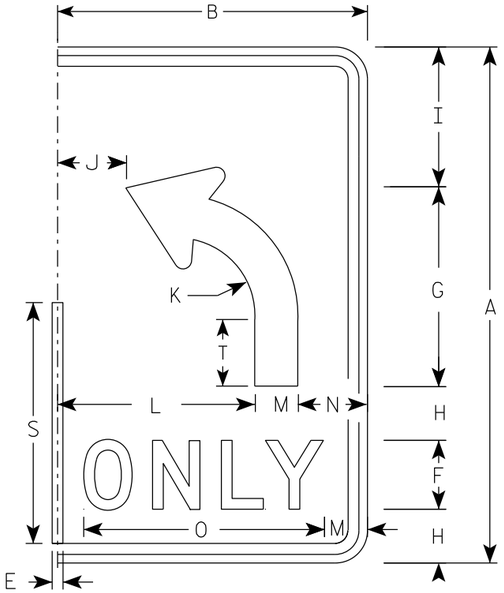
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



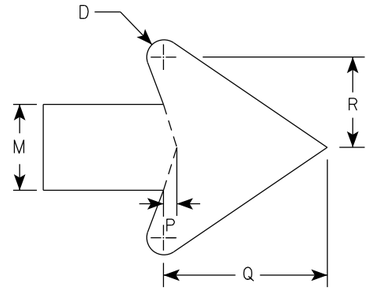
(L)



(L)



(L)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4		5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

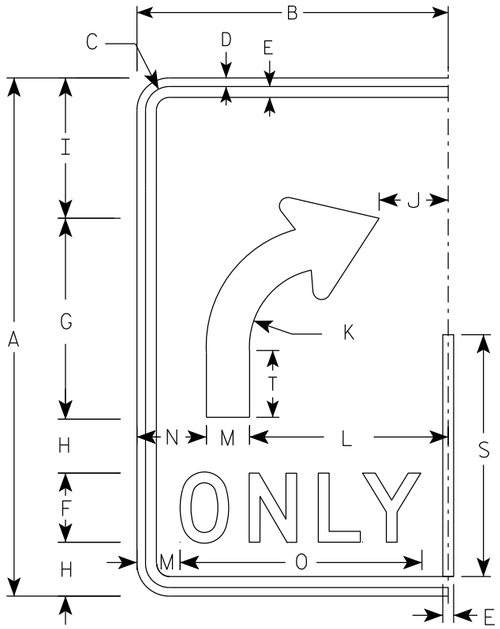
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

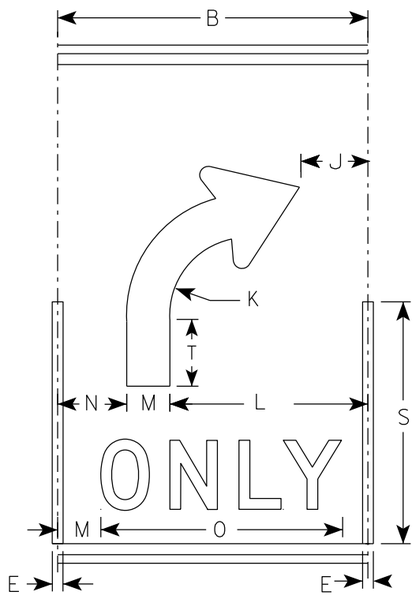
SHEET NO: 234 E

NOTES

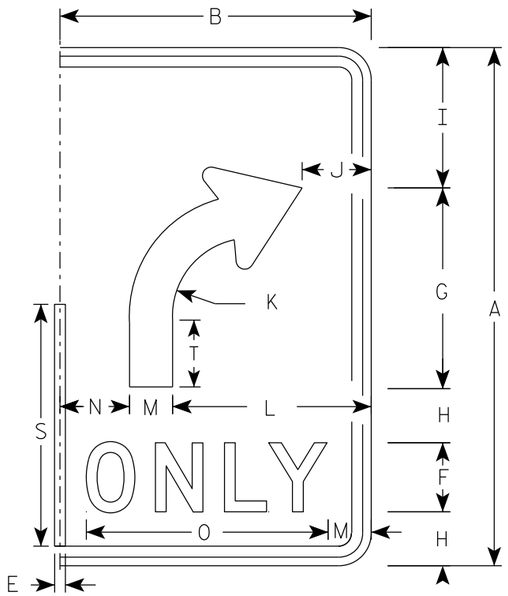
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



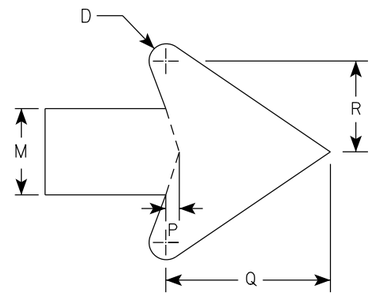
(R)



(R)



(R)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN
R3-8 (R) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

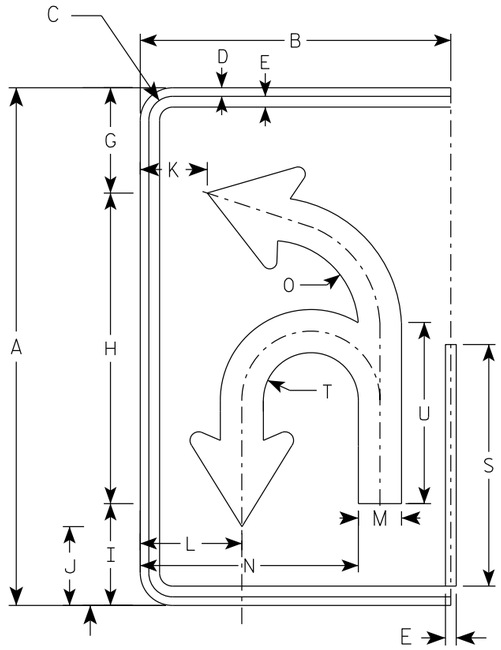
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

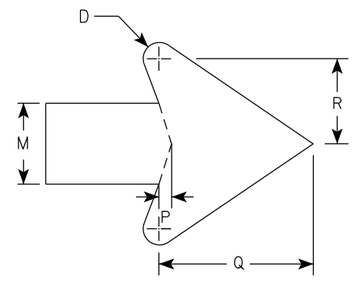
SHEET NO: 235 **E**

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(U)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

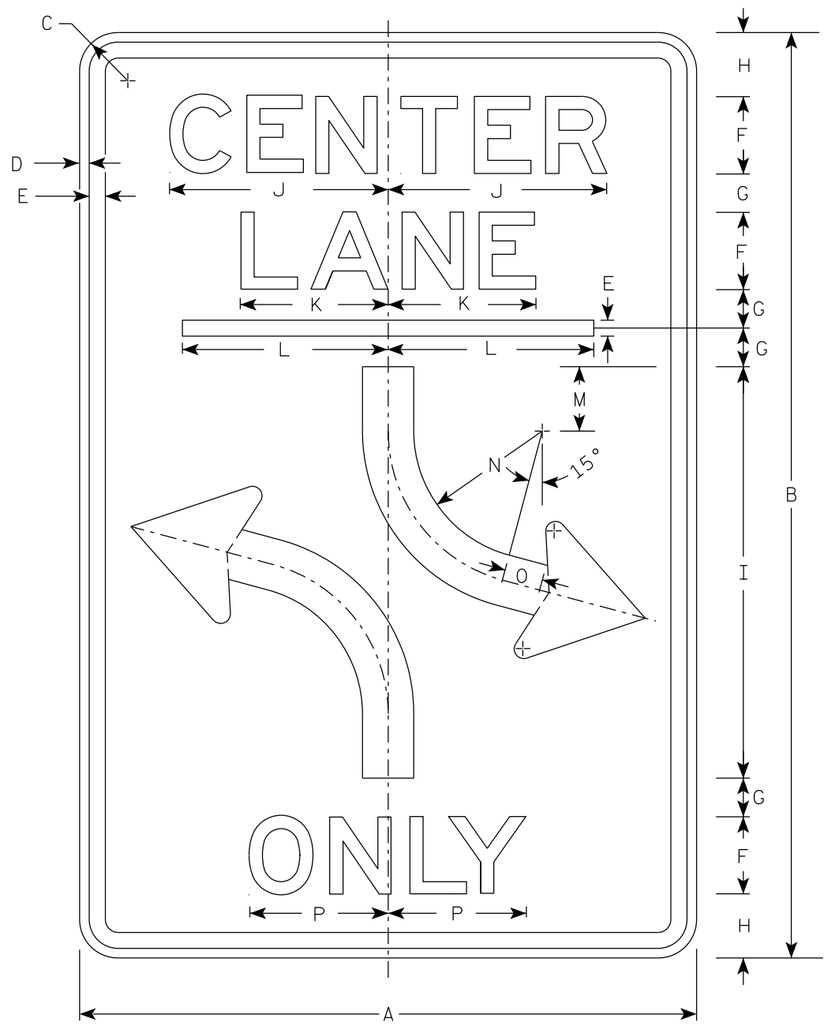
STANDARD SIGN
R3-8 (U) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

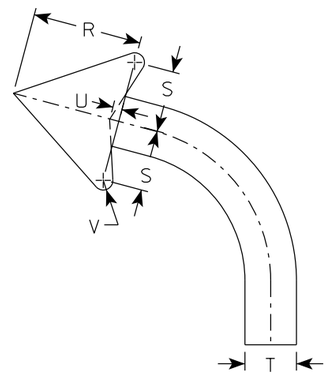
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 236 | E



R3-9B

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/2	3/8	1/2	3	1 1/2	2 1/2	16	8 1/2	5 3/4	8	2 1/2	5	1 1/2	5 1/8		4 3/8	2 3/8	2	3/8	3/8					6.0
2M	24	36	1 1/2	3/8	1/2	3	1 1/2	2 1/2	16	8 1/2	5 3/4	8	2 1/2	5	1 1/2	5 1/8		4 3/8	2 3/8	2	3/8	3/8					6.0
3	36	48	2 1/4	5/8	7/8	5	1 1/2	3 1/2	20	14 1/8	9 1/2	12	3	7 3/8	2	9 7/8		6 1/8	3 1/2	3	1/2	5/8					12.0
4																											
5																											

STANDARD SIGN
R3-9B

WISCONSIN DEPT OF TRANSPORTATION

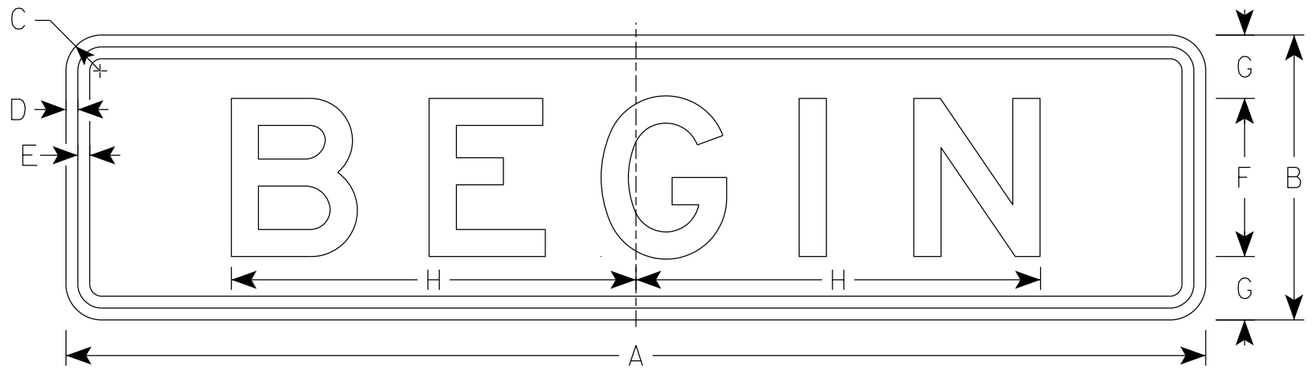
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2022 PLATE NO. R3-9B.6

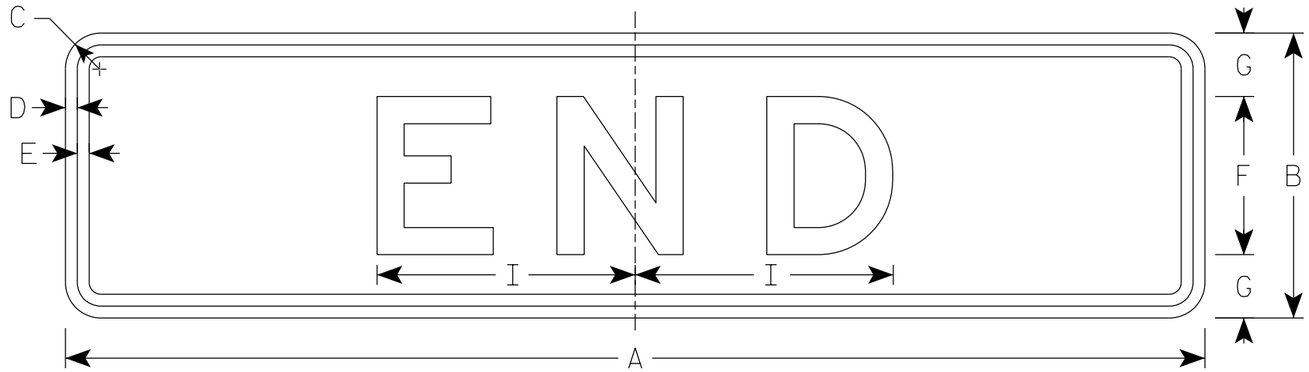
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 237	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E



R3-9C



R3-9D

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	6	1 1/8	3/8	3/8	3	1 1/2	7 3/4	4 7/8																		1.0
2M	24	6	1 1/8	3/8	3/8	3	1 1/2	7 3/4	4 7/8																		1.0
3	36	9	1 1/8	3/8	3/8	5	2	12 3/4	8 1/8																		2.25
4																											
5																											

STANDARD SIGN
R3-9C & R3-9D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. R3-9C.3

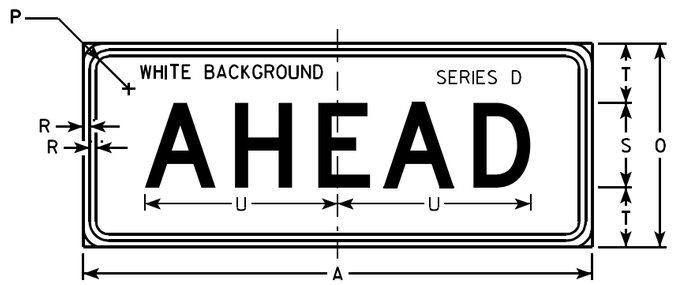
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



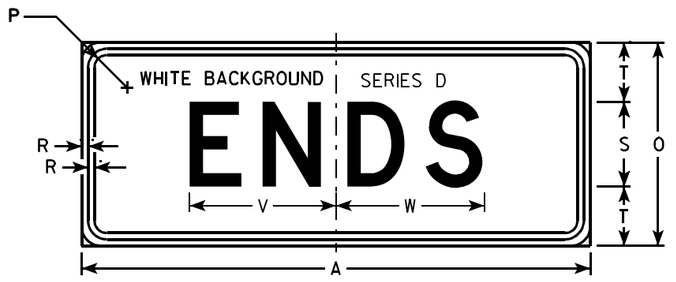
R3-17

NOTES

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



R3-17ap



R3-17bp

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	R3-17 Area sq. ft.	R3-17ap Area sq. ft.	R3-17bp Area sq. ft.
1																													
2S	30	24	1 1/8	3/8	1/2	2	4	4 1/8	7 7/8	6 3/8	9 1/2	2 5/8	7/8	13	12	1 1/8	3 3/8	3/8	5	3 1/2	11 3/8	8 5/8	8 3/4	2 3/8	15 5/8	8	5.0	2.5	2.5
2M	30	24	1 1/8	3/8	1/2	2	4	4 1/8	7 7/8	6 3/8	9 1/2	2 5/8	7/8	13	12	1 1/8	3 3/8	3/8	5	3 1/2	11 3/8	8 5/8	8 3/4	2 3/8	15 5/8	8	5.0	2.5	2.5
3																													
4																													
5																													

STANDARD SIGN
R3-17 & R3-17a&bp

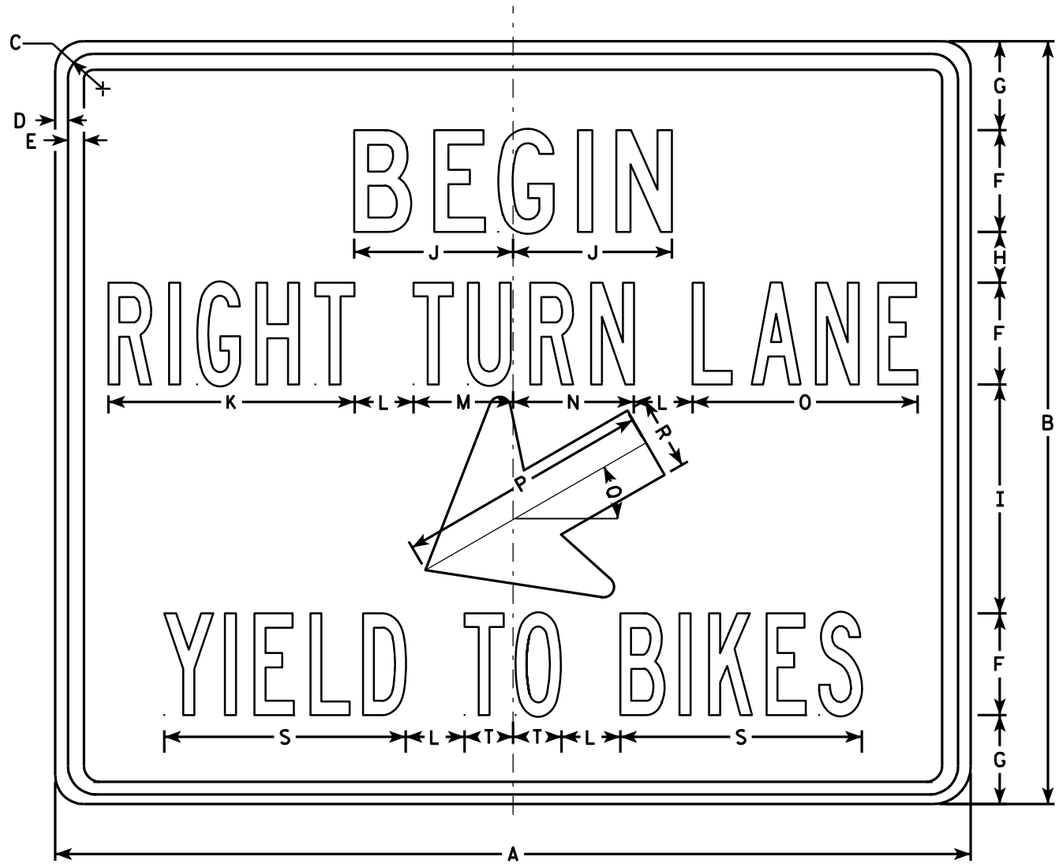
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/12/2011 PLATE NO. R3-17.2

PROJECT NO:

SHEET NO: 239 E



R4-4

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 - 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 & 3 are 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	36	30	1 3/8	1/2	5/8	4	3 1/2	2	9	6 1/4	9 3/4	2 3/8	3 7/8	4 3/4	8 7/8	10	30°	2 7/8	9 1/2	1 7/8							7.5
2M	36	30	1 3/8	1/2	5/8	4	3 1/2	2	9	6 1/4	9 3/4	2 3/8	3 7/8	4 3/4	8 7/8	10	30°	2 7/8	9 1/2	1 7/8							7.5
3																											
4																											
5																											

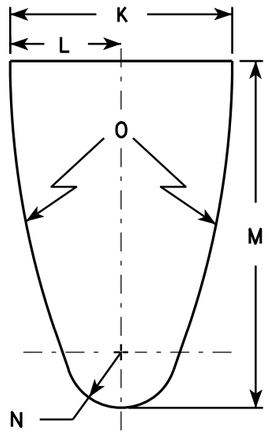
STANDARD SIGN
R4-4

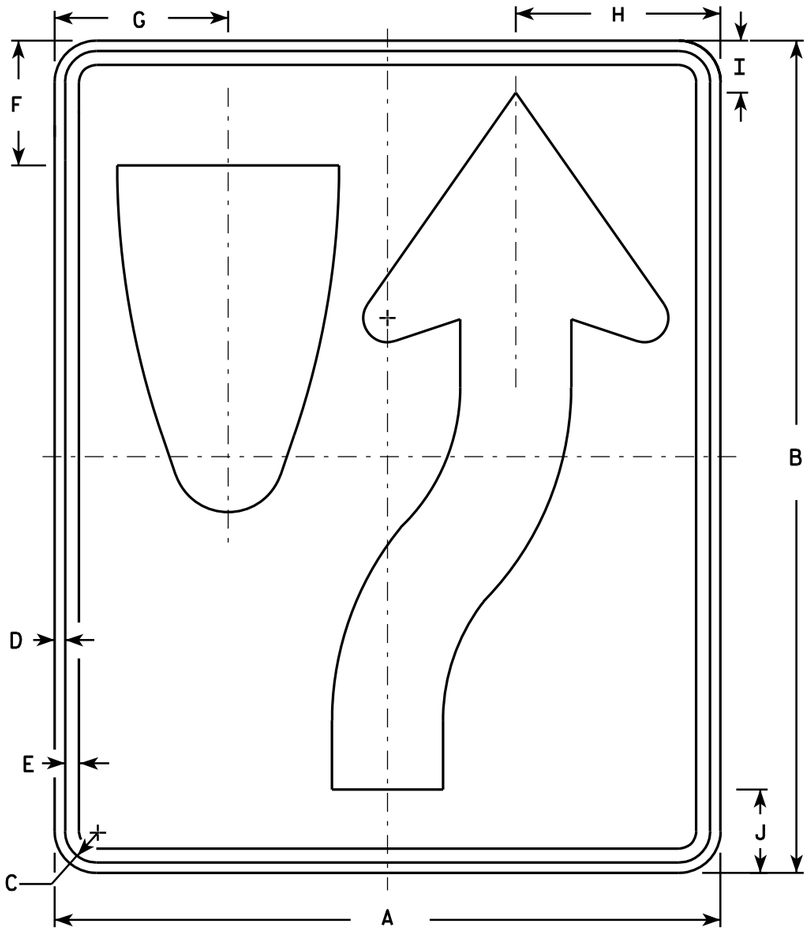
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-4.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 240 | E

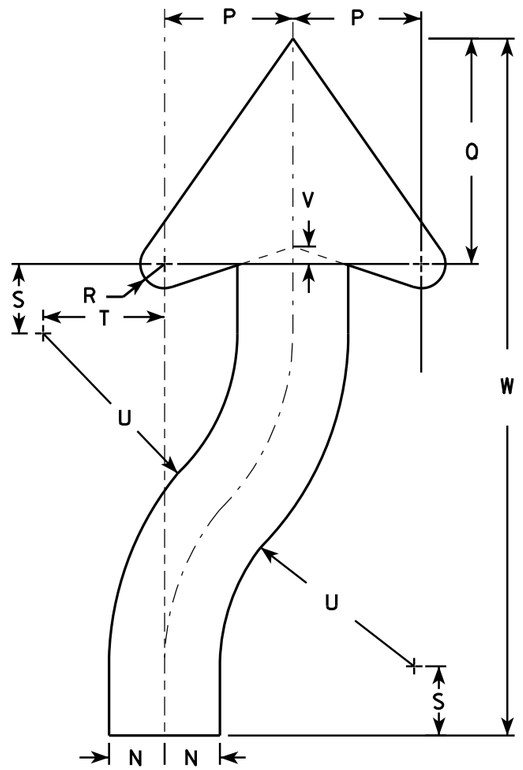




R4-7

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

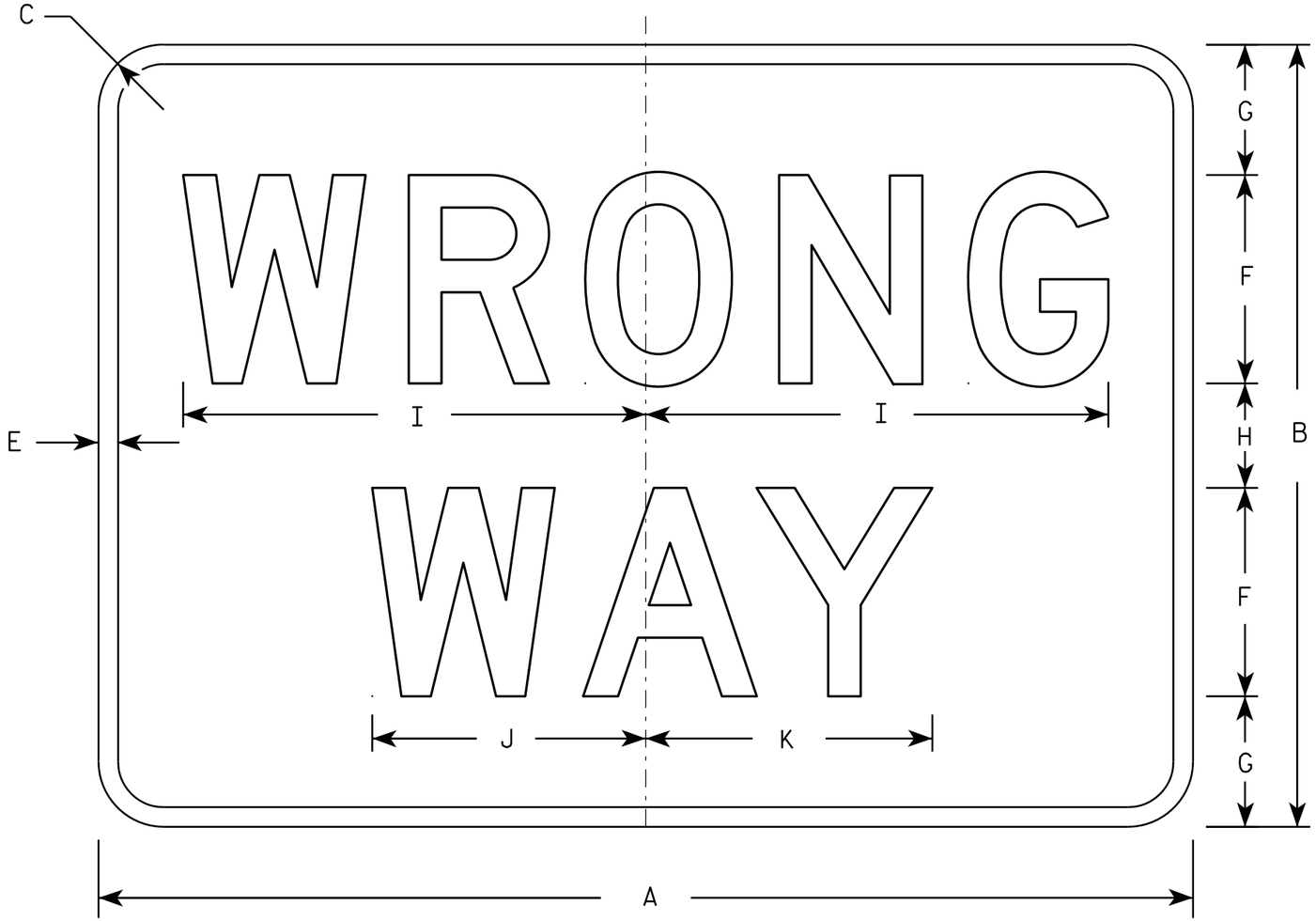
STANDARD SIGN
R4-7 & R4-8

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: 241	E



R5-1A

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 - 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	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

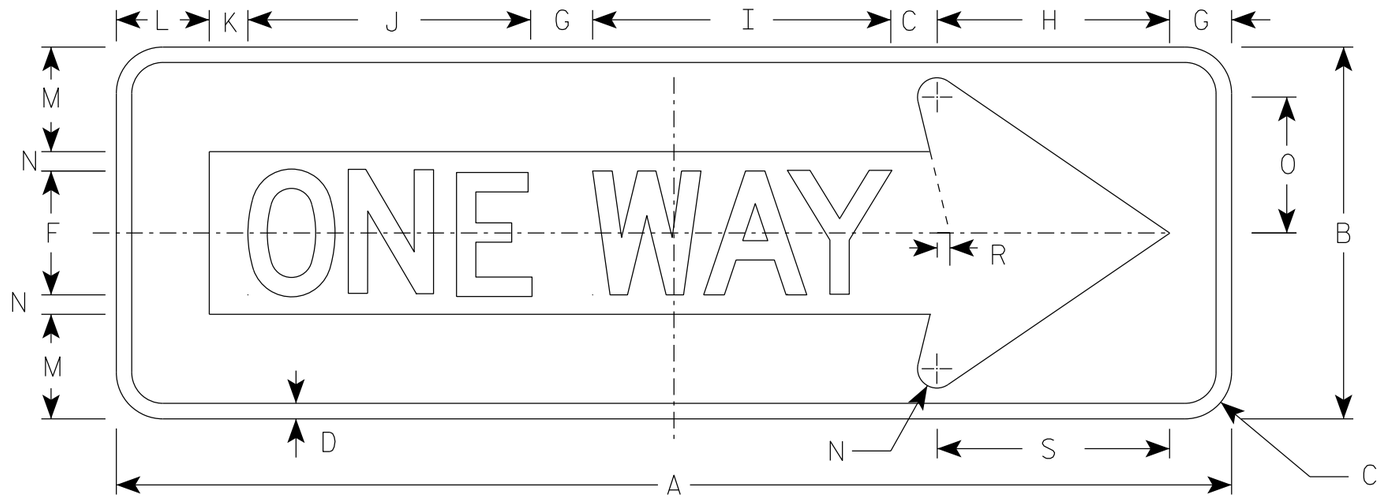
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

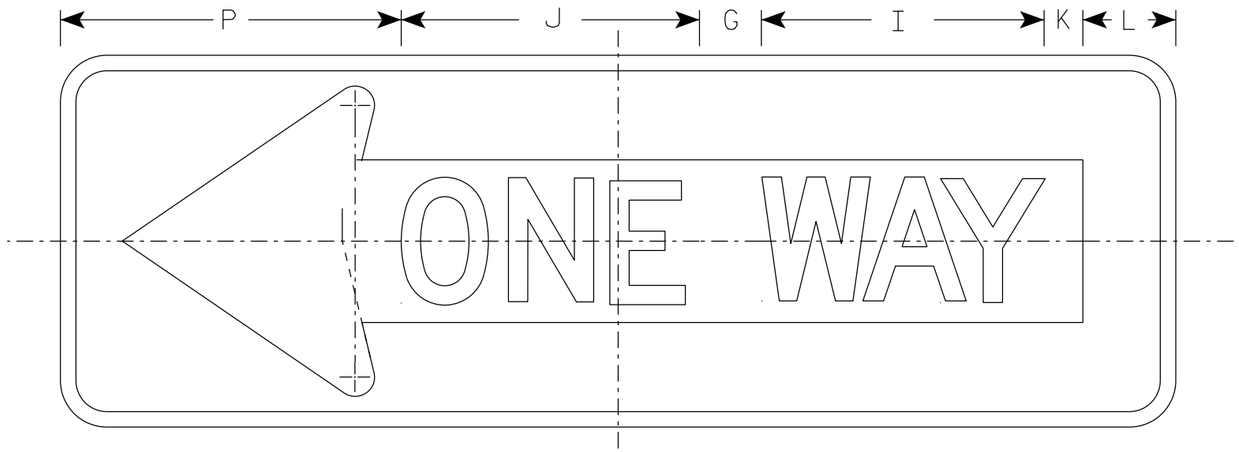
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 242 | E



R6-1R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - BLACK
   Message - BLACK LEGEND & WHITE ARROW & BORDER
3. Message Series - D



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 1/2	1/2		4	2	7 1/2	9 5/8	9 1/8	1 1/4	3	3 3/8	5/8	4 3/8	11		3/8	7 1/2								3.0
2M	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
3	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
4	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
5																											

STANDARD SIGN
R6-1 L & R

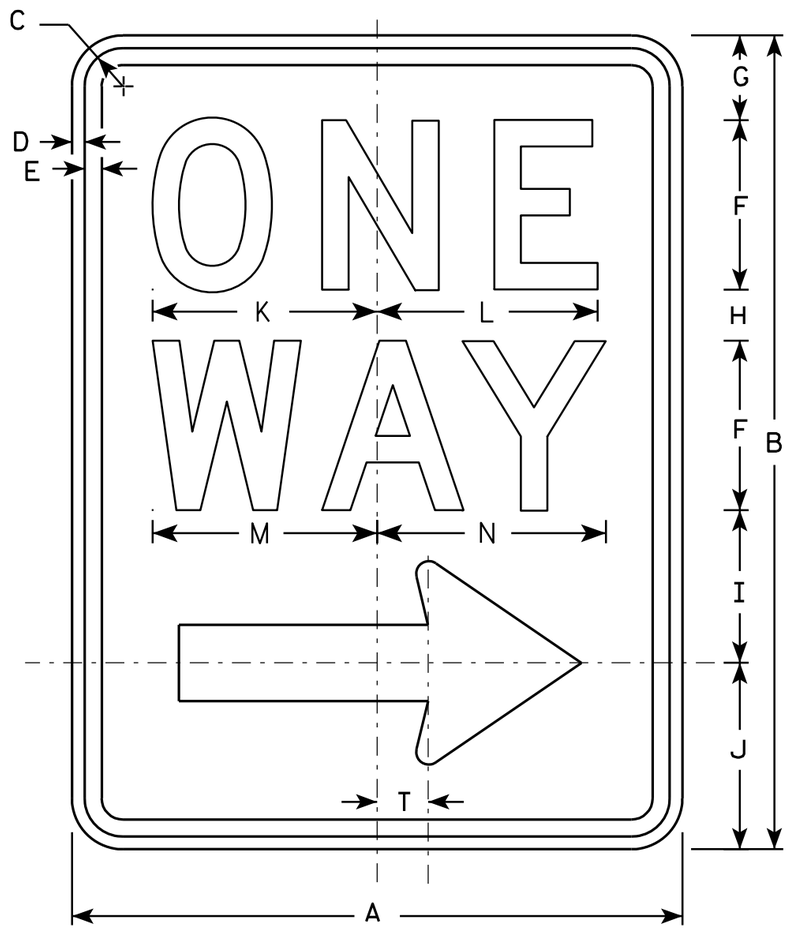
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 07/11/18 PLATE NO. R6-1.3

PROJECT NO:

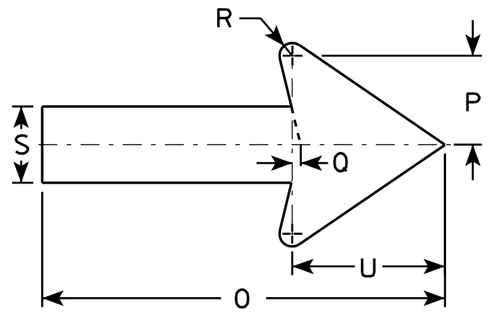
SHEET NO: 243 E



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																										

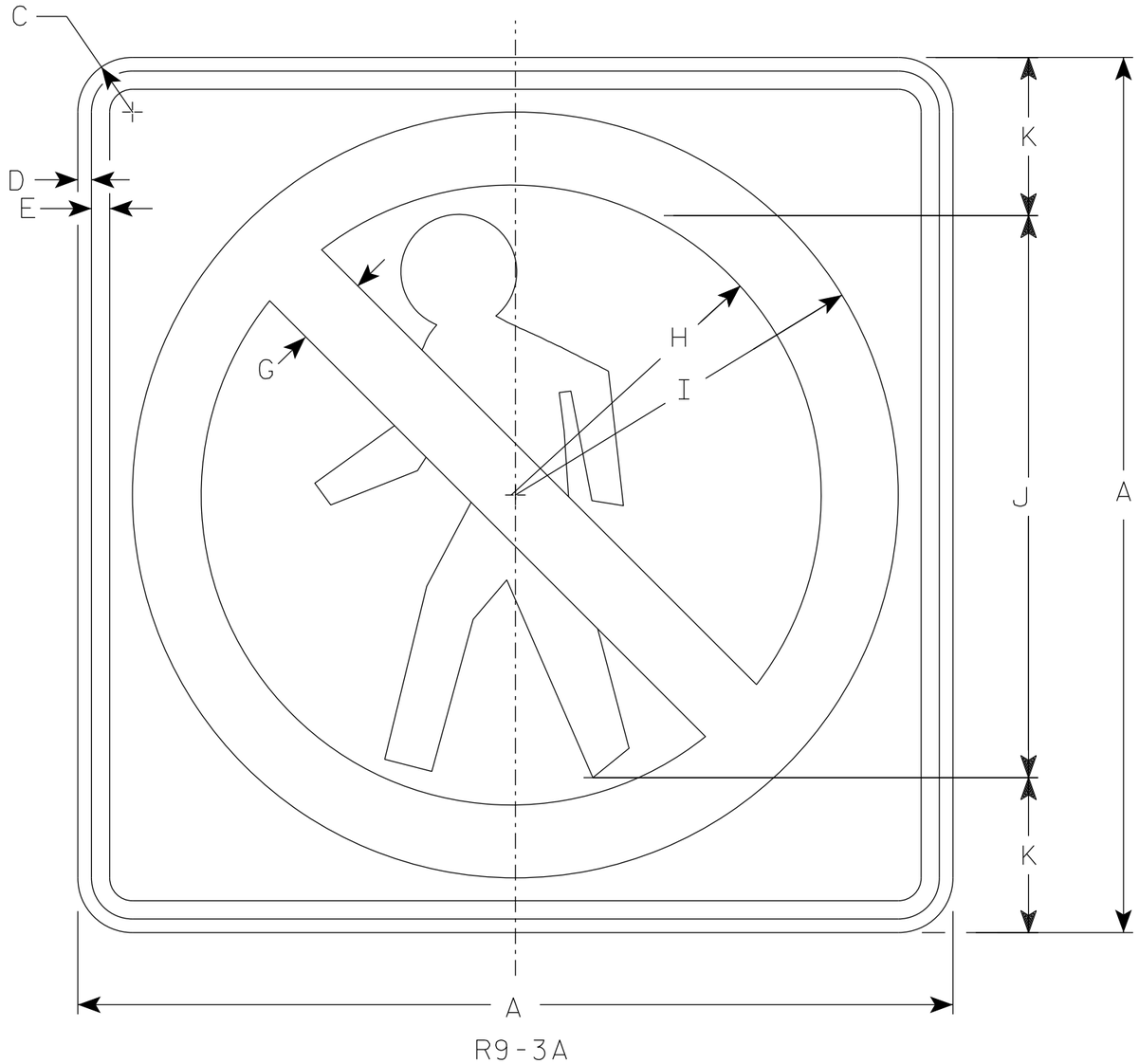
STANDARD SIGN
R6-2 R&L

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: 244	E



R9-3A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Pedestrian are non-reflective black.
   Circle with diagonal bar is reflective 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	18		1 1/8	3/8	3/8		1 1/2	6 1/4	7 7/8	12	3																2.25
2S	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	15	4																4.00
2M	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	15	4																4.00
3																											
4																											
5																											

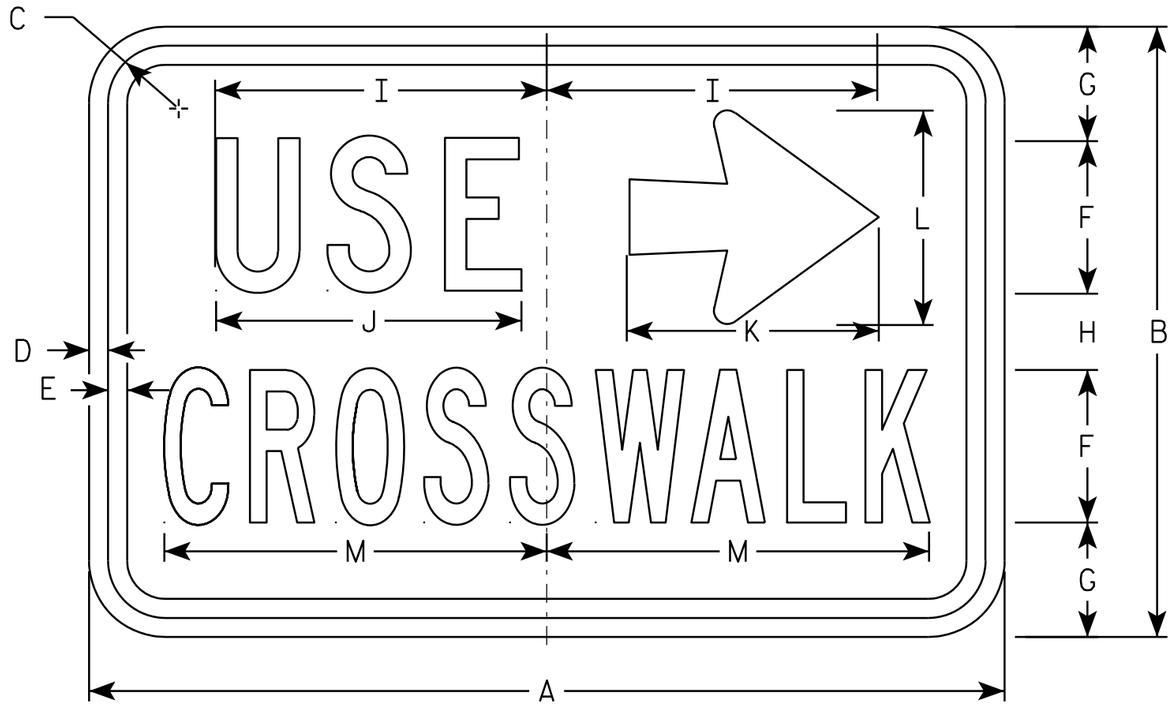
STANDARD SIGN
R9-3A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/22/21 PLATE NO. R9-3A.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 245	E



R9-3BR

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C Line 1, Series B Line 2
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R9-3BL is the same as R9-3BR except USE and the arrow are switched.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	18	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5
2M	18	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5
3																											
4																											
5																											

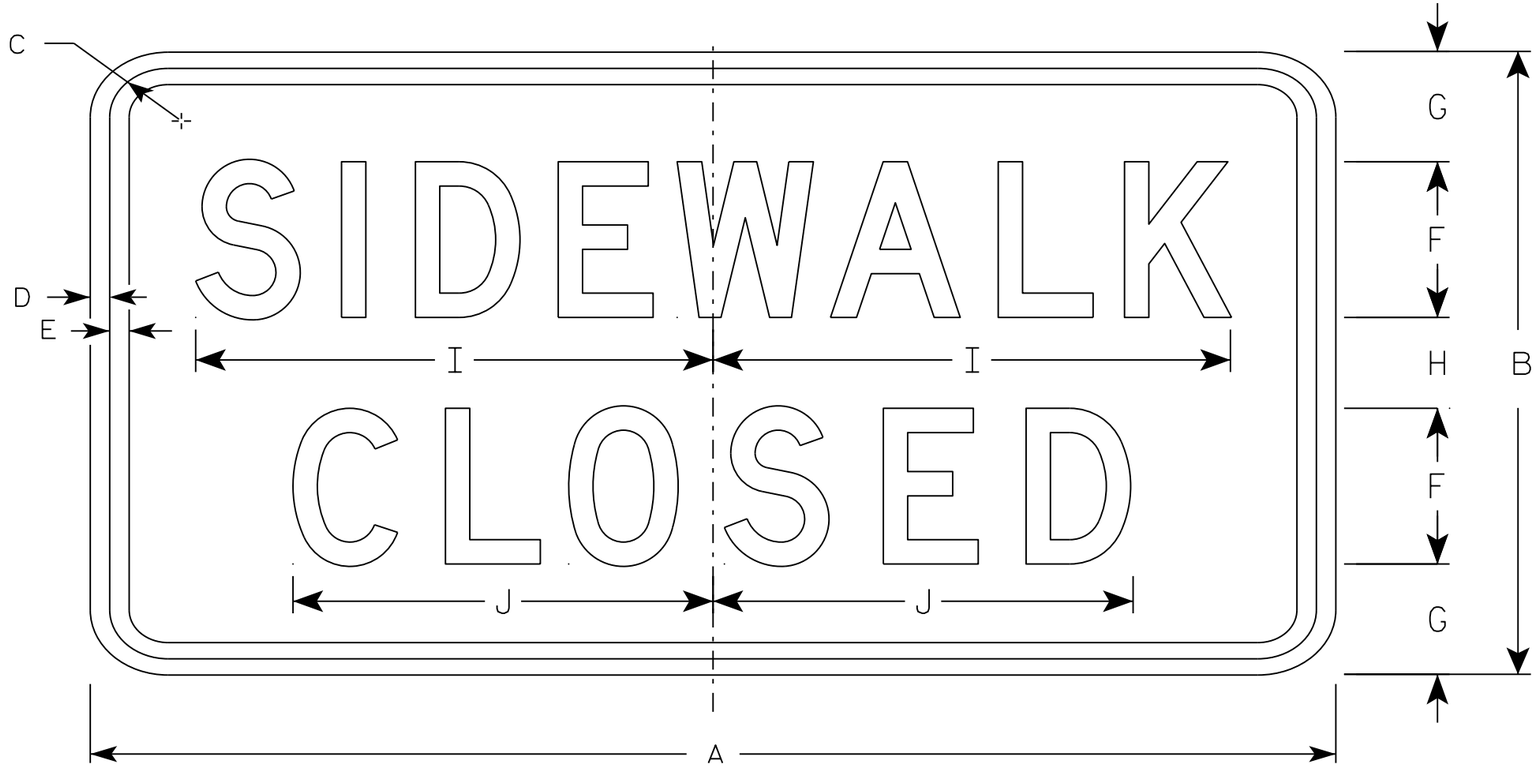
STANDARD SIGN
R9-3BR&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/4/10 PLATE NO. R9-3B.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 246 | 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

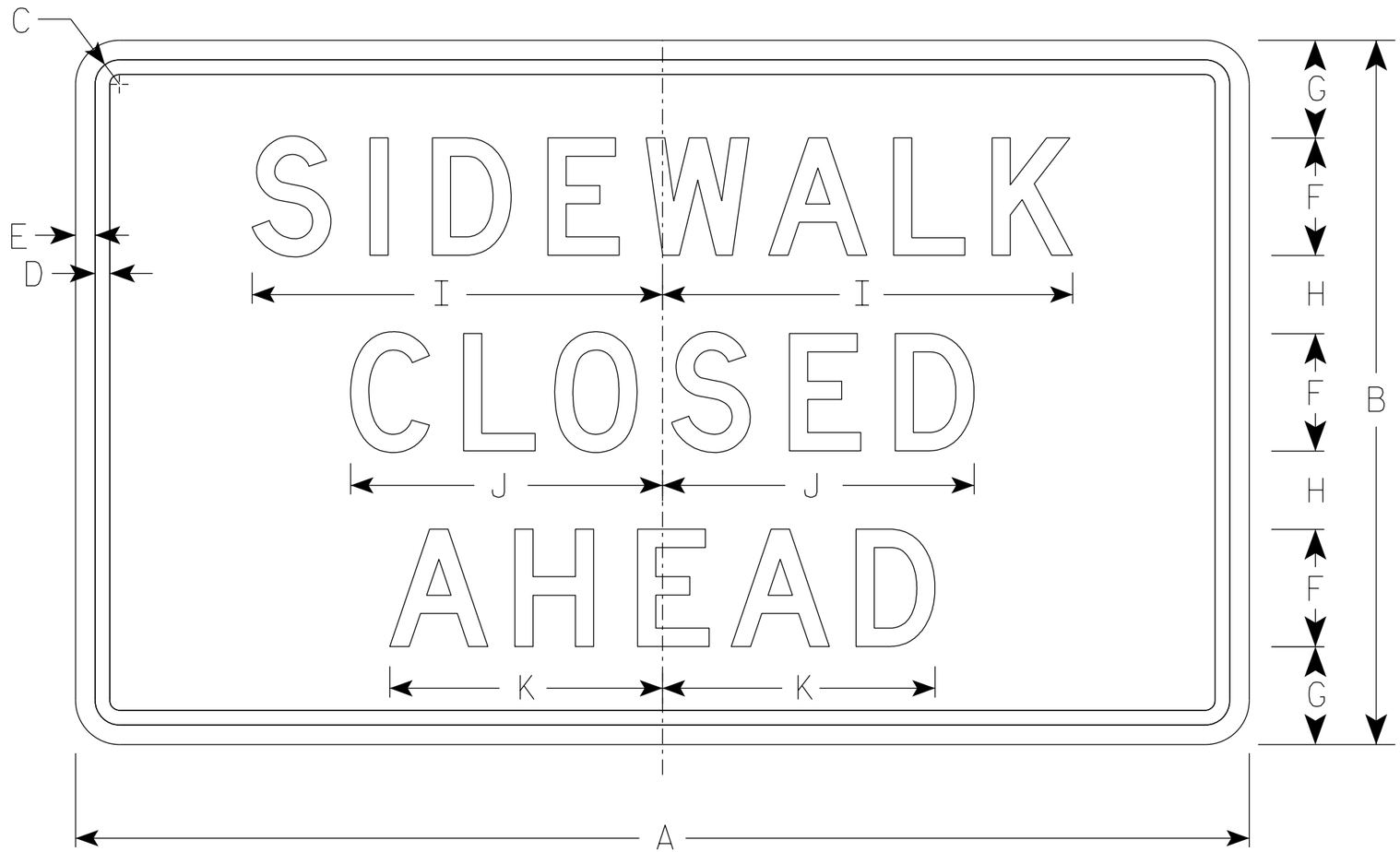
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/11/16 PLATE 247 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



R9-9A

NOTES

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

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

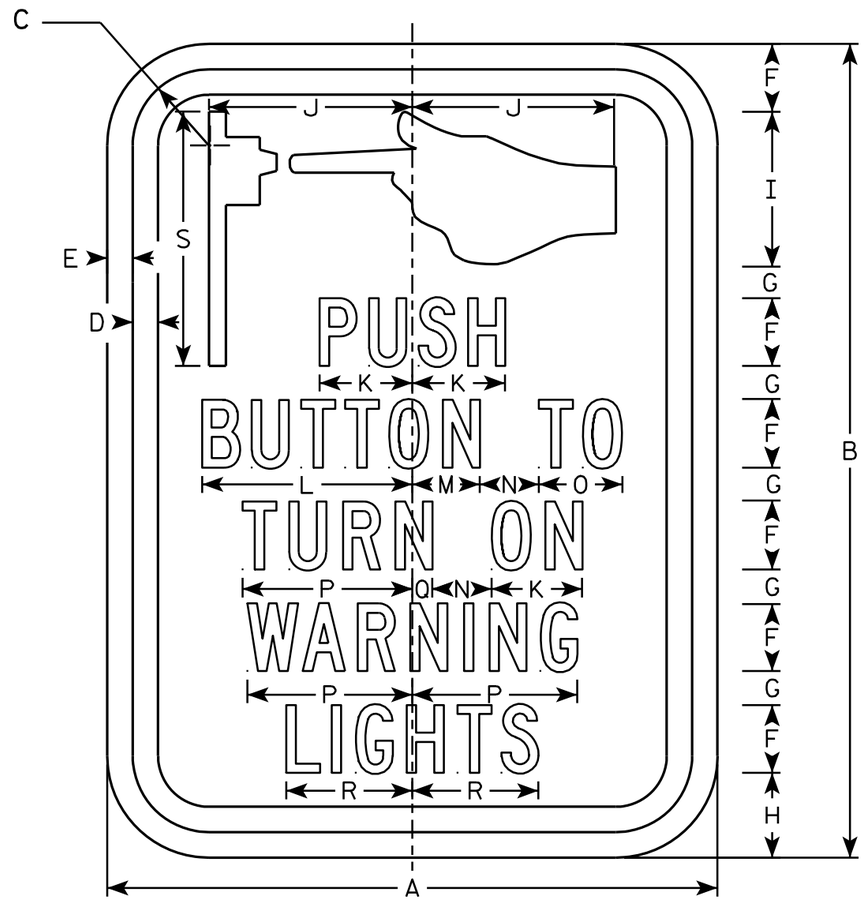
STANDARD SIGN
R9-9A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 248 | E



R10-25

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. Size (1) comes as a decal only.

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	6	9	1 1/8	3/8	3/8	3/4	3/8	1	1 3/4	2	7/8	2 1/8	5/8	5/8	7/8	1 5/8	1/4	1 1/4	2 7/8								.38
2S	9	12	1 1/8	3/8	3/8	1	1/2	1 1/4	2 1/4	3	1 3/8	3 1/8	1	7/8	1 1/4	2 1/2	1/4	1 7/8	3 3/4								.75
2M	9	12	1 1/8	3/8	3/8	1	1/2	1 1/4	2 1/4	3	1 3/8	3 1/8	1	7/8	1 1/4	2 1/2	1/4	1 7/8	3 3/4								.75
3																											
4																											
5																											

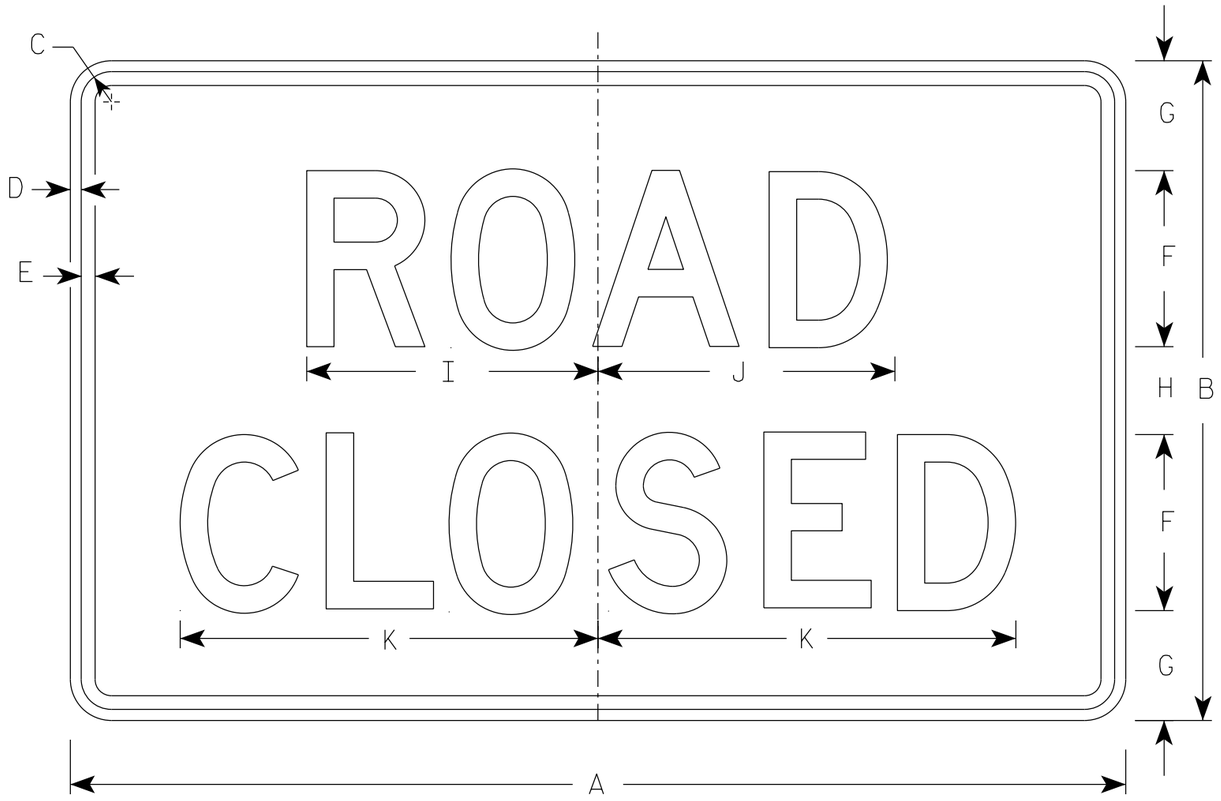
STANDARD SIGN
R10-25

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/8/10 PLATE NO. R10-25.1

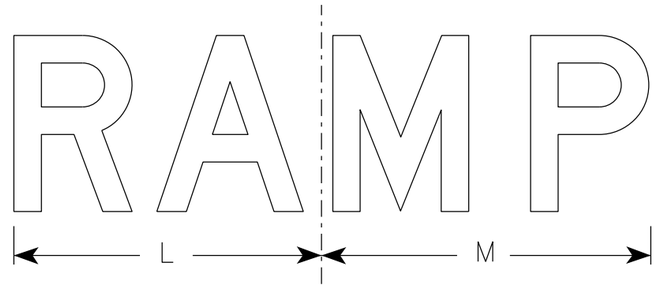
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 249	E



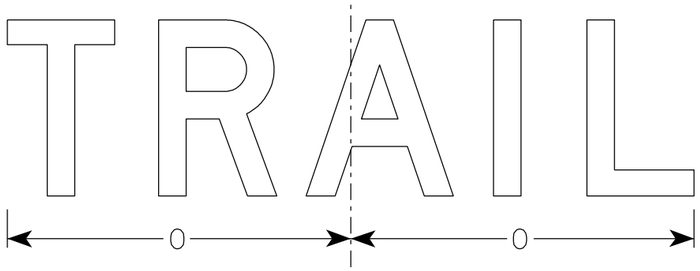
R11-2

NOTES

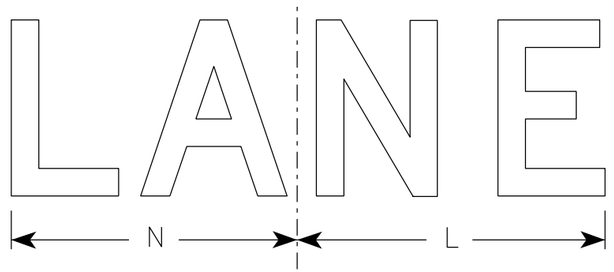
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the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



R11-2R



R11-2T



R11-2L

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

STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

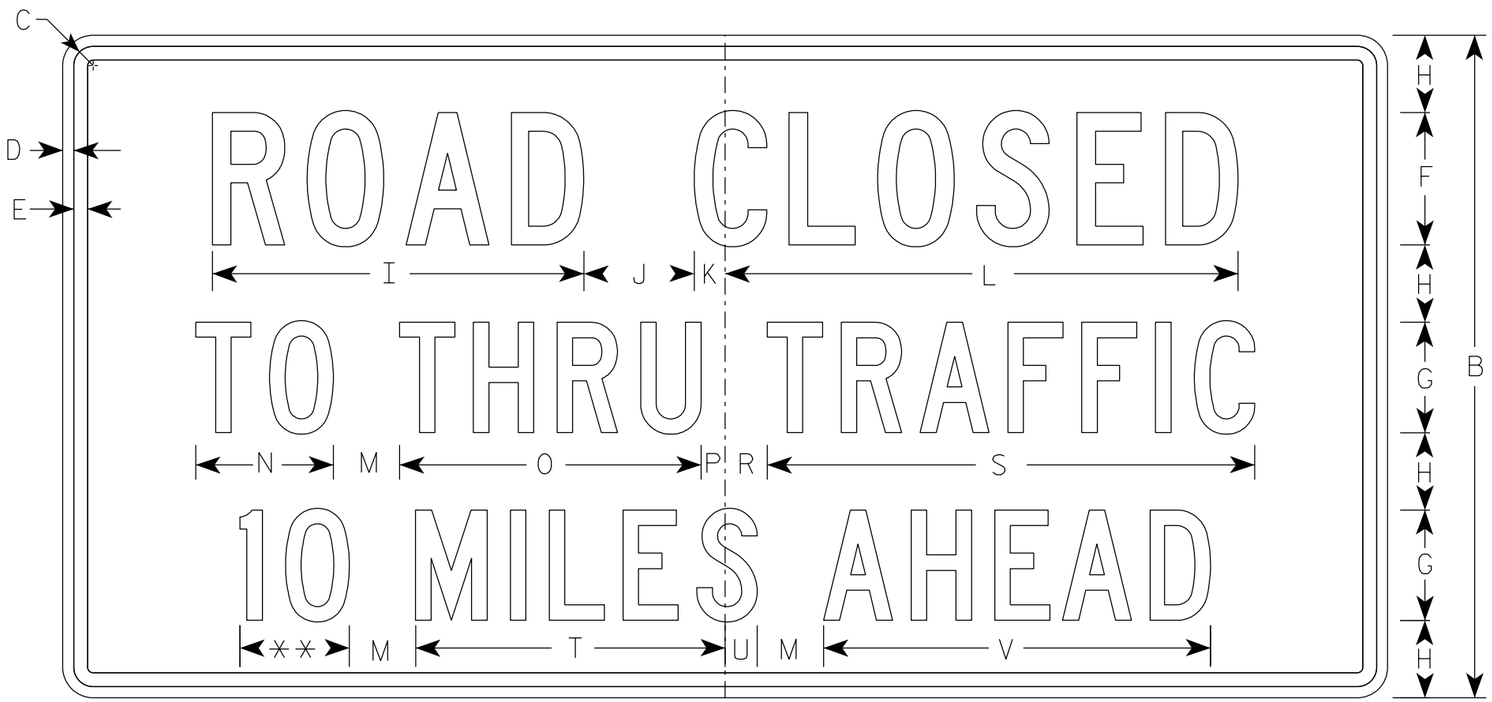
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 250	E

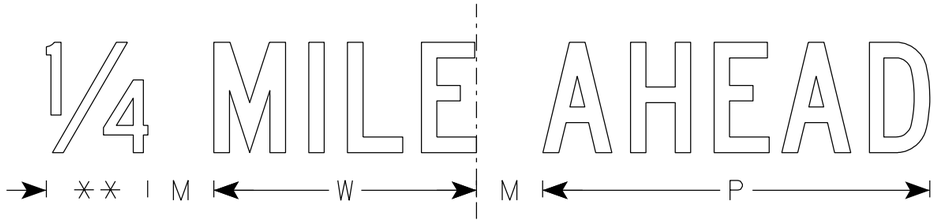
NOTES

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



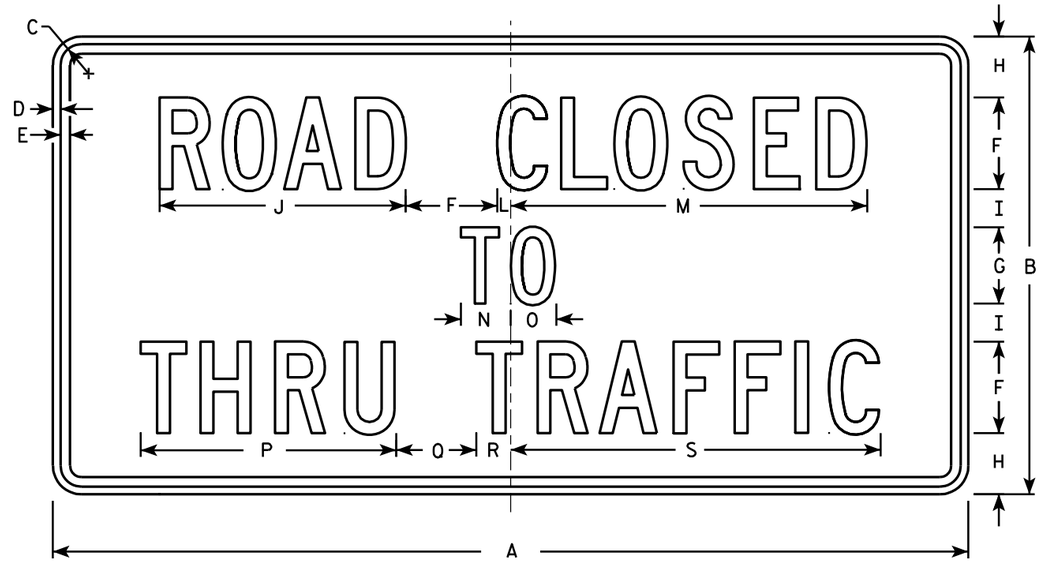
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/4	3/8	3/8	4	3	2	11 1/4	3	1 1/8	15 3/8	2	3 3/4	8 1/4	5/8		1 3/8	13 1/4	8 3/8	7/8	10 1/2	7 1/8				4.5
2S	60	30	1 3/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
2M	60	30	1 3/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	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 6/14/2021 PLATE NO. R11-3.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 251	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																											

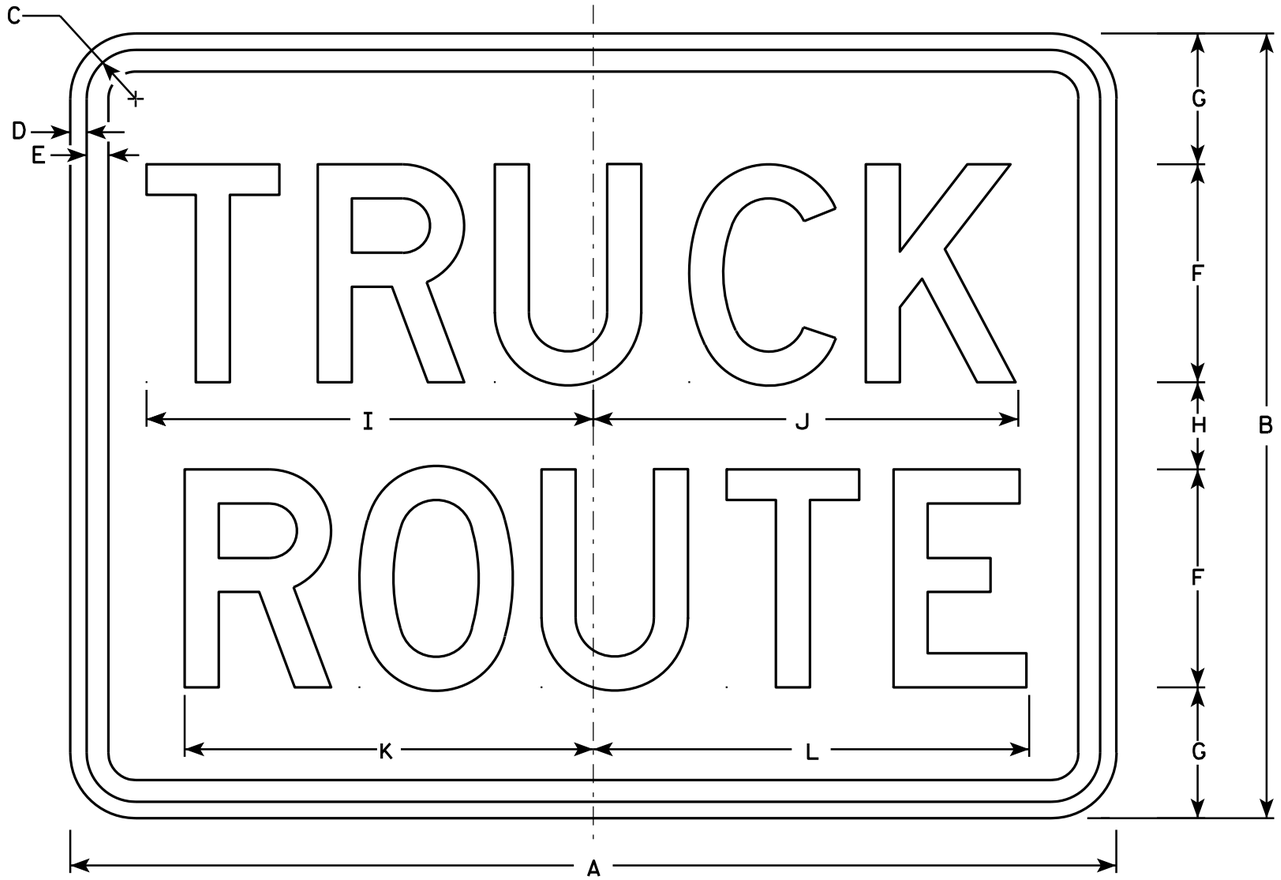
STANDARD SIGN
R11 - 4

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: 252	E



R14-1

NOTES

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

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

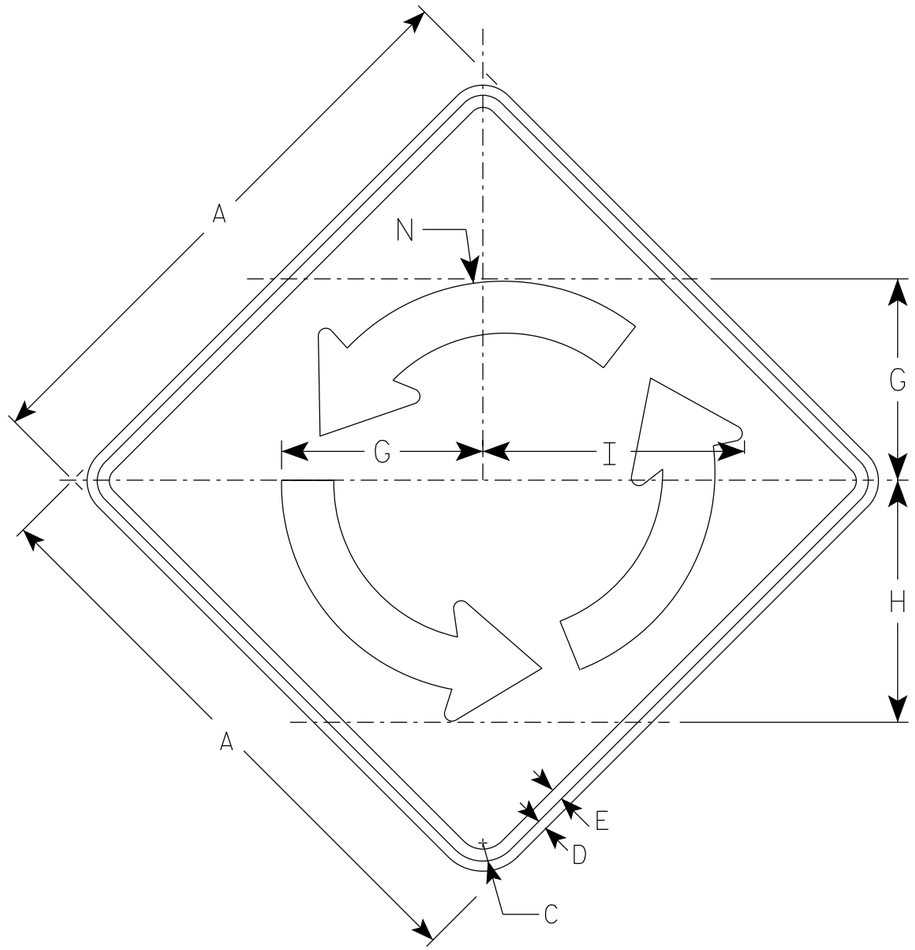
STANDARD SIGN
R14-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R14-1.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 253	E

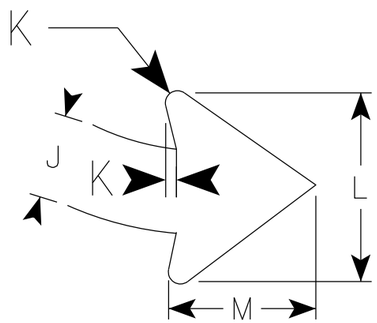


W2-6

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black

Arrow Detail



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Area sq. ft.
1																									
2S	30		1 3/8	1/2	5/8		10 3/8	12 1/2	13 1/2	2 3/4	3/8	6	4 3/4	11 1/8											6.25
2M	30		1 3/8	1/2	5/8		10 3/8	12 1/2	13 1/2	2 3/4	3/8	6	4 3/4	11 1/8											6.25
3	36		1 5/8	5/8	3/4		12 1/2	15	16 1/4	3 1/4	1/2	7 3/8	5 3/4	13 3/8											9.00
4	48		2 1/4	3/4	1		16 5/8	20	16 1/4	4 3/8	5/8	9 3/4	7 5/8	17 7/8											16.0
5																									

STANDARD SIGN
W2-6

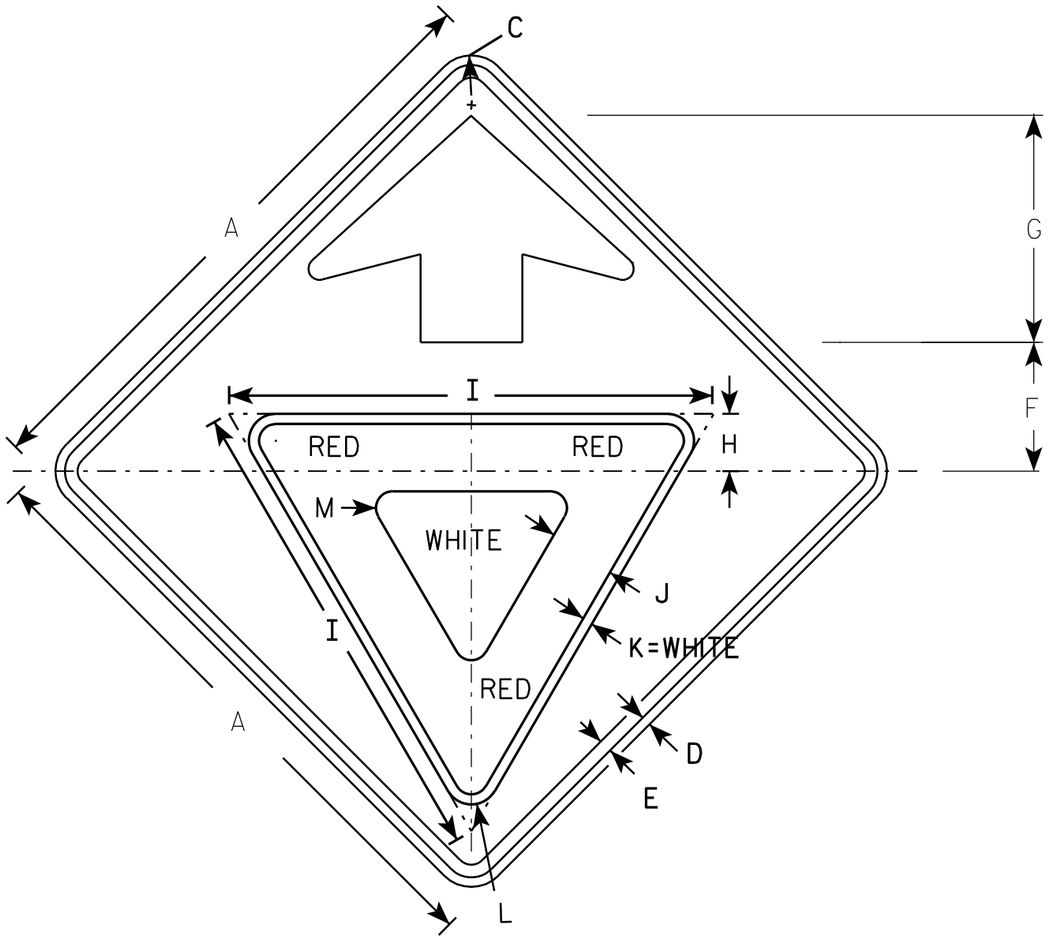
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/21 PLATE NO. W2-6.7

PROJECT NO:

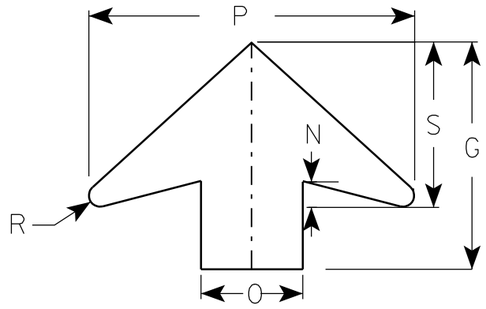
SHEET NO: 254 **E**



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

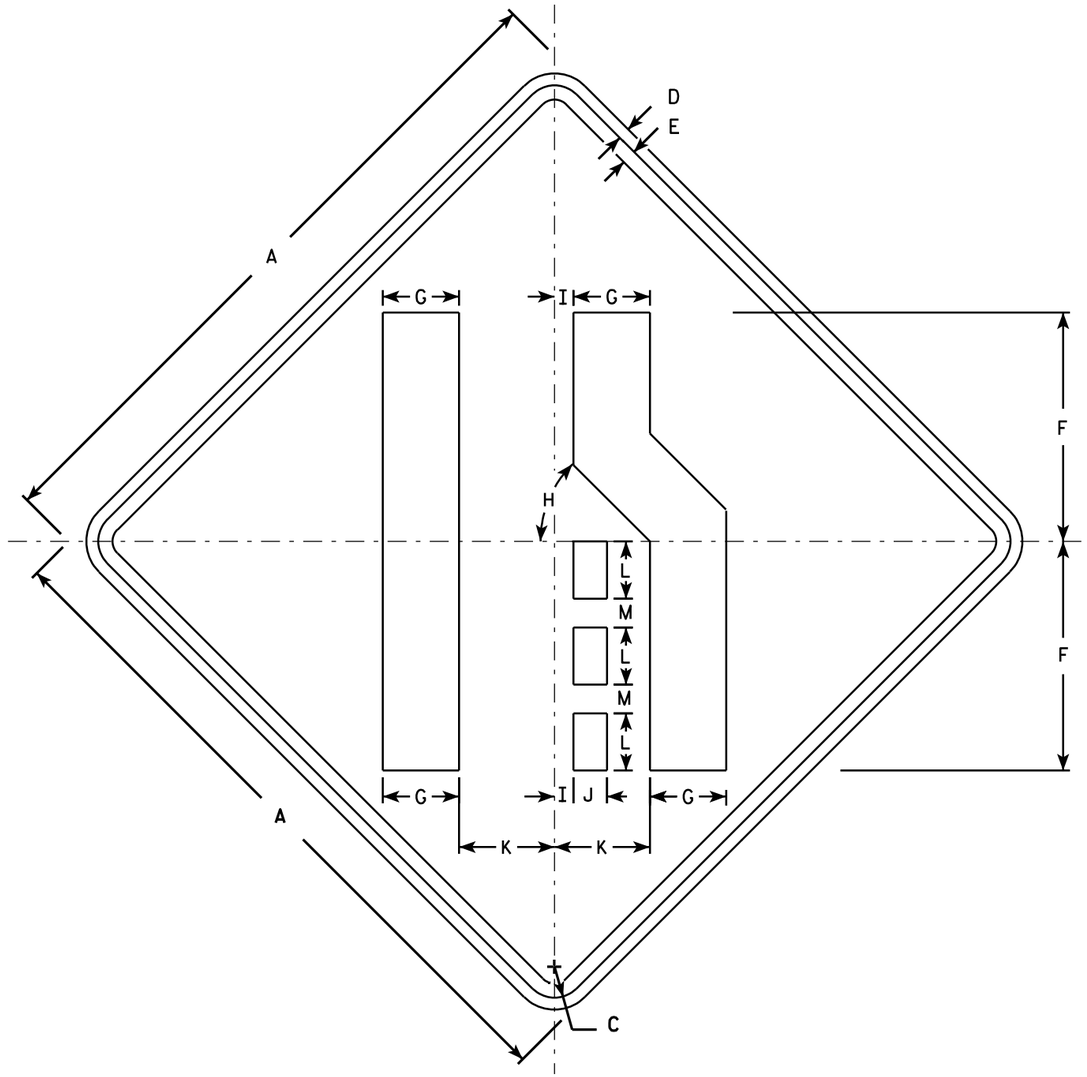
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-2..9

PROJECT NO:

SHEET NO: 255 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

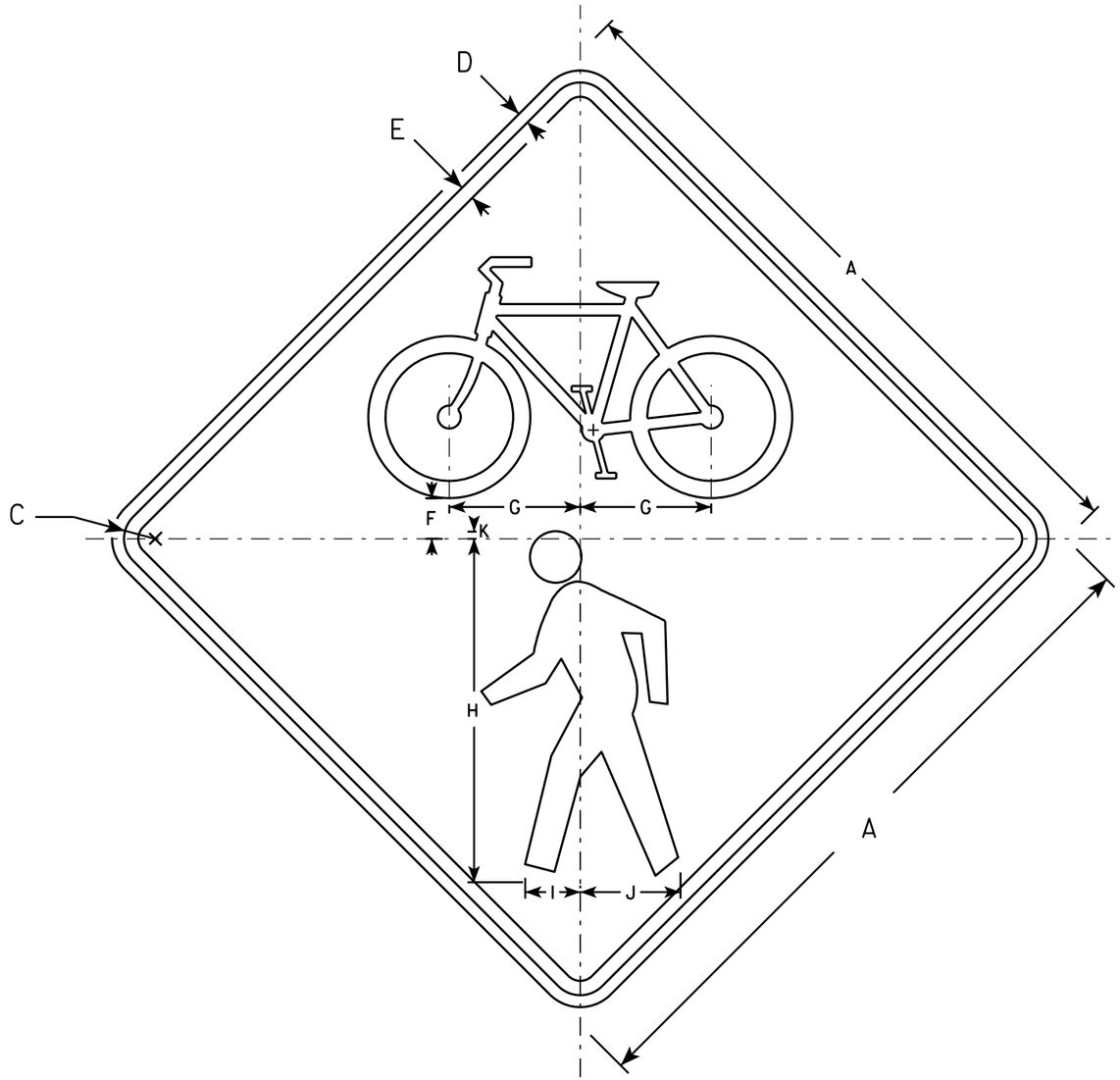
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/12/13 PLATE NO. W4-2.14

PROJECT NO:

SHEET NO: 256 E



W11-15

NOTES

1. Sign is Type II - Type F Reflective
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	1 3/8	4 5/8	12	1 7/8	3 1/2	1/4																4.0
2S	30		1 3/8	1/2	5/8	1 3/4	5 3/4	15	2 3/8	4 3/8	3/8																6.25
2M	36		1 5/8	5/8	3/4	2 1/8	6 7/8	18	2 7/8	5 1/4	3/8																9.0
3	36		1 5/8	5/8	3/4	2 1/8	6 7/8	18	2 7/8	5 1/4	3/8																16.0
4	48		2 1/4	3/4	1	2 7/8	9 1/8	24	3 7/8	7	1/2																16.0
5																											

STANDARD SIGN
W11-15

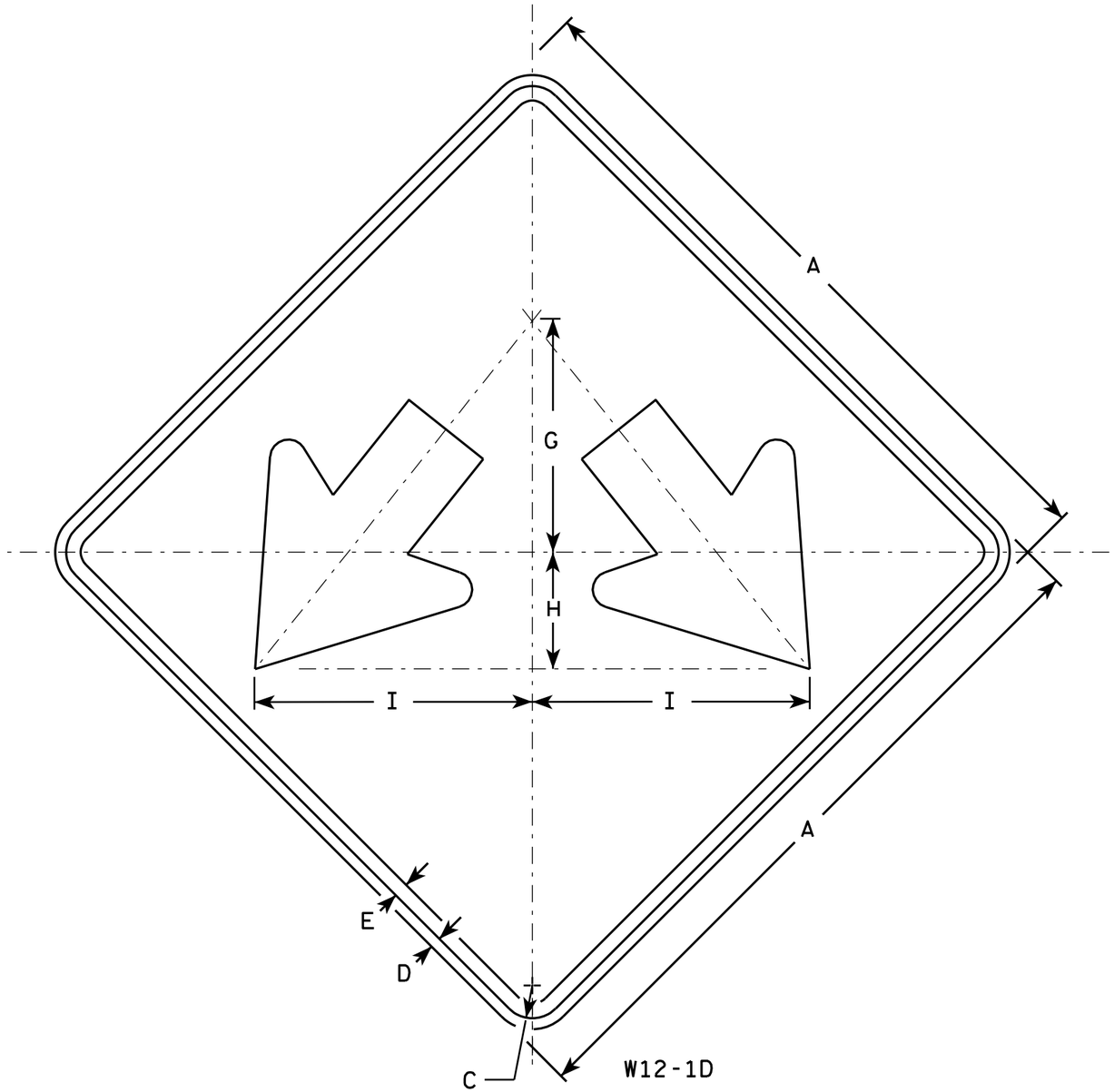
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 2/13/14 PLATE NO. W11-15.4

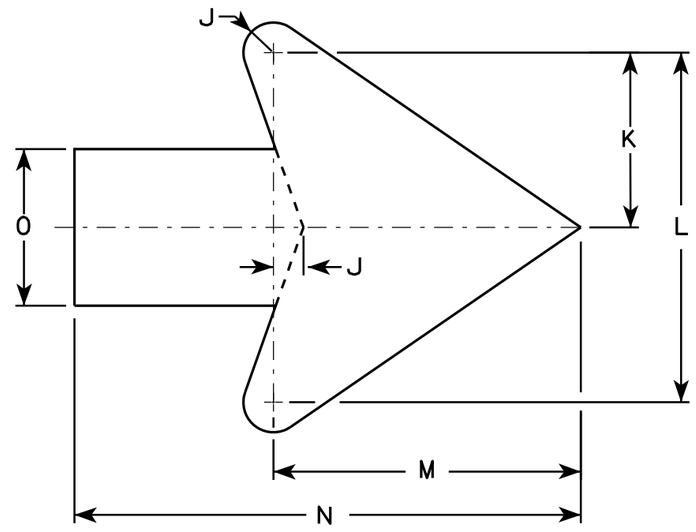
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W1115.DGN PLOT DATE : 13-FEB-2014 10:54 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 7.783368:1.000000
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.



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

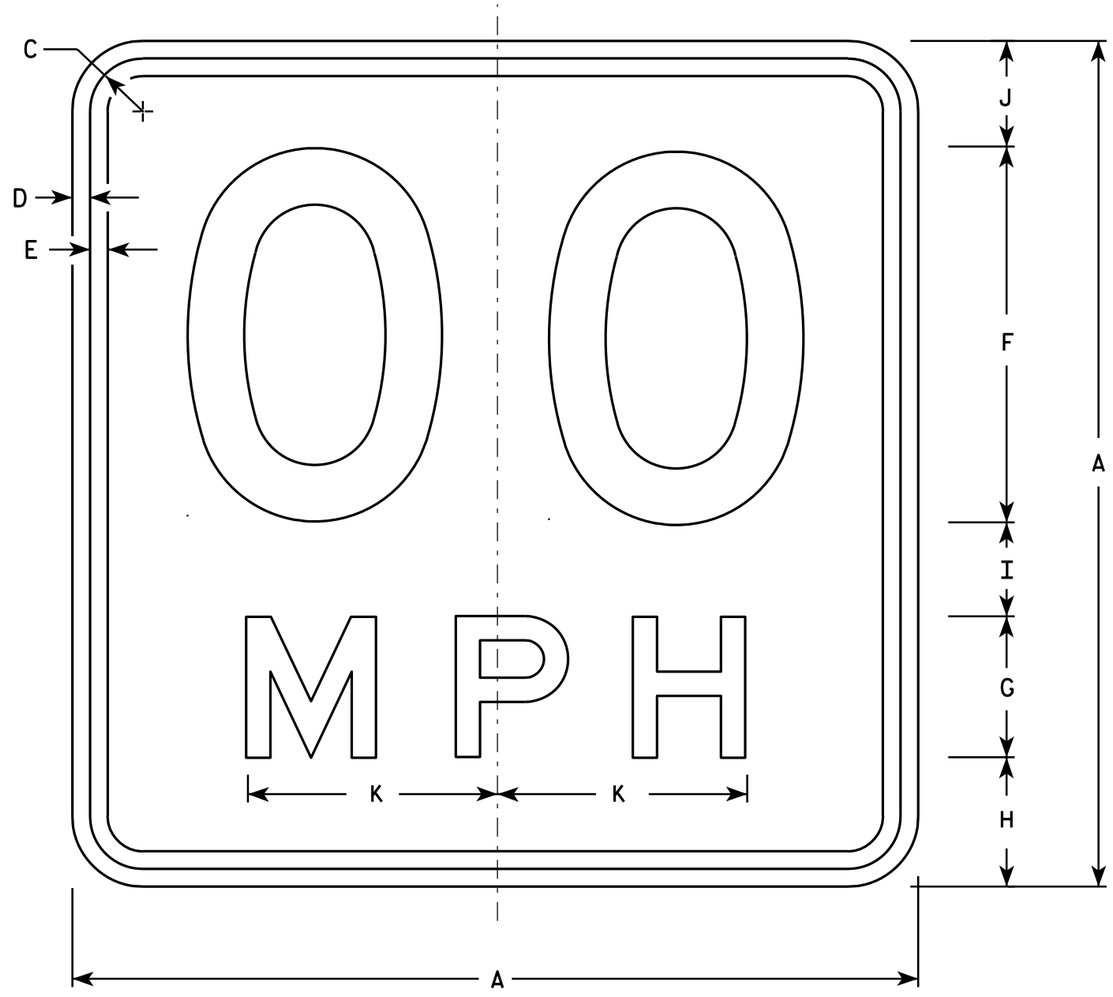
STANDARD SIGN
W12-1D

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: 258	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

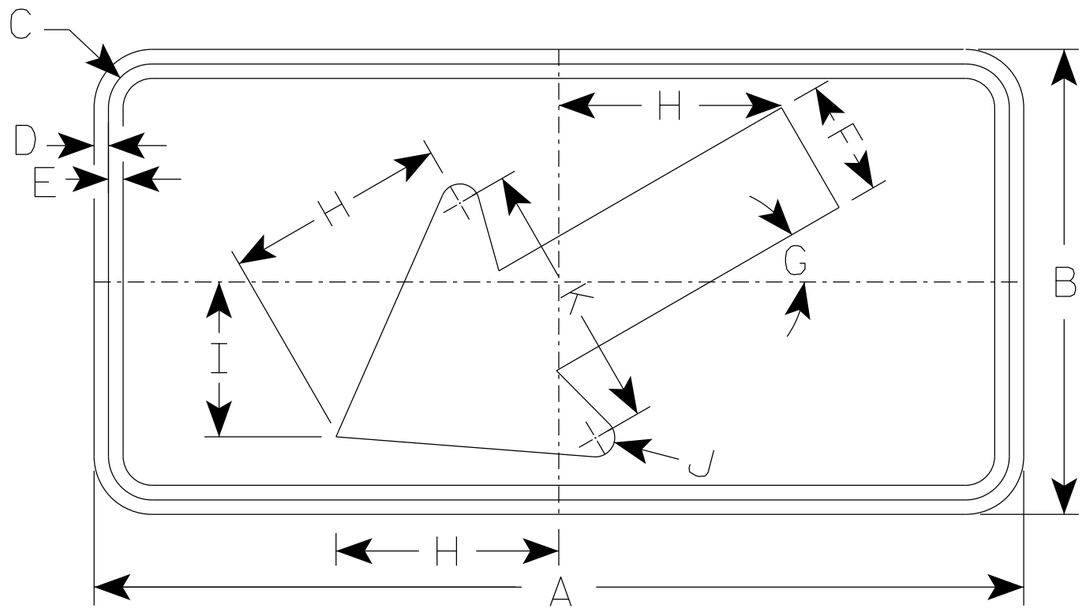
STANDARD SIGN
W13-1

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: 259 | E



W16-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W16-7R is the same as W16-7L except the arrow is reversed along the vertical centerline.

* For 36" x 36" Warning Signs, use 30" x 18" W16-7L signs.
* For 48" x 48" Warning Signs, use 48" x 24" W16-7L signs.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	3	30°	5 3/4	4	1/2	7																2.0
* 2M	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
* 3	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
* 4	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
5																											

STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

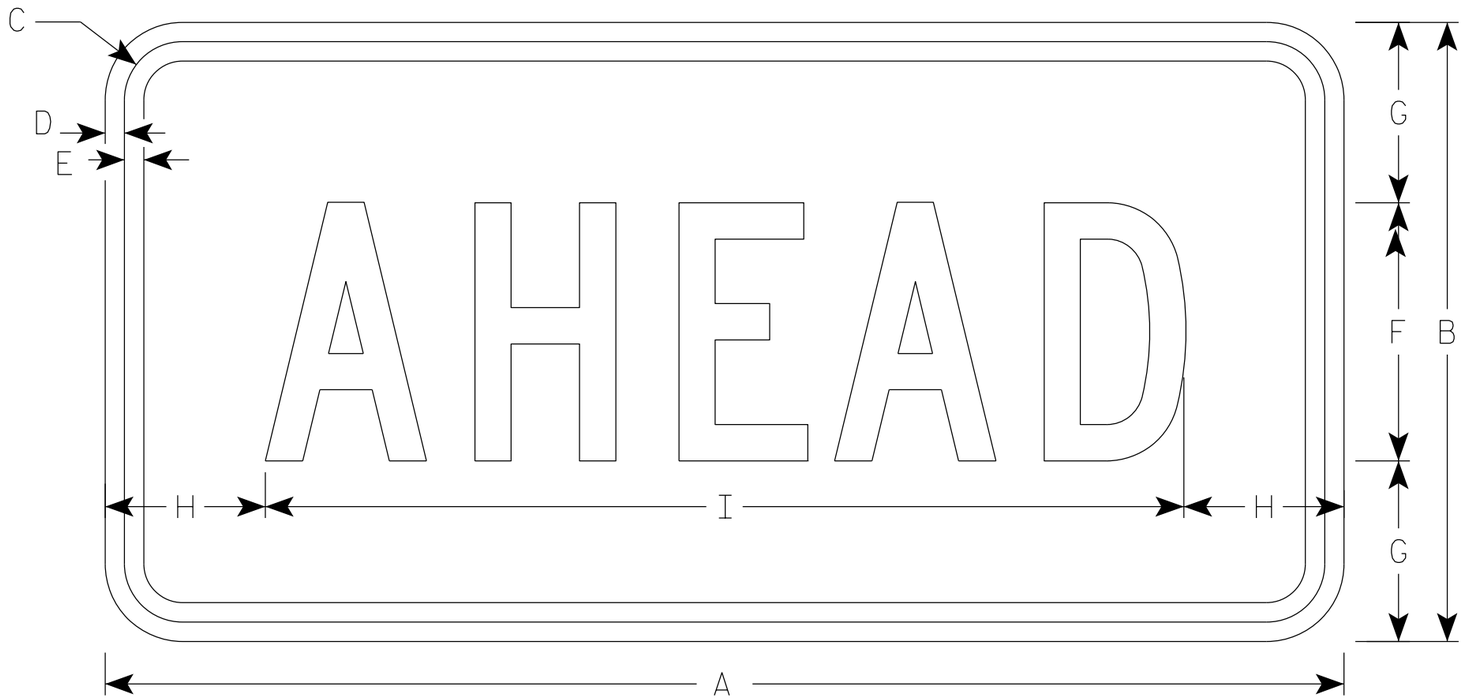
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/2021 PLATE NO. W16-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 260	E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - C



W16-9P

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

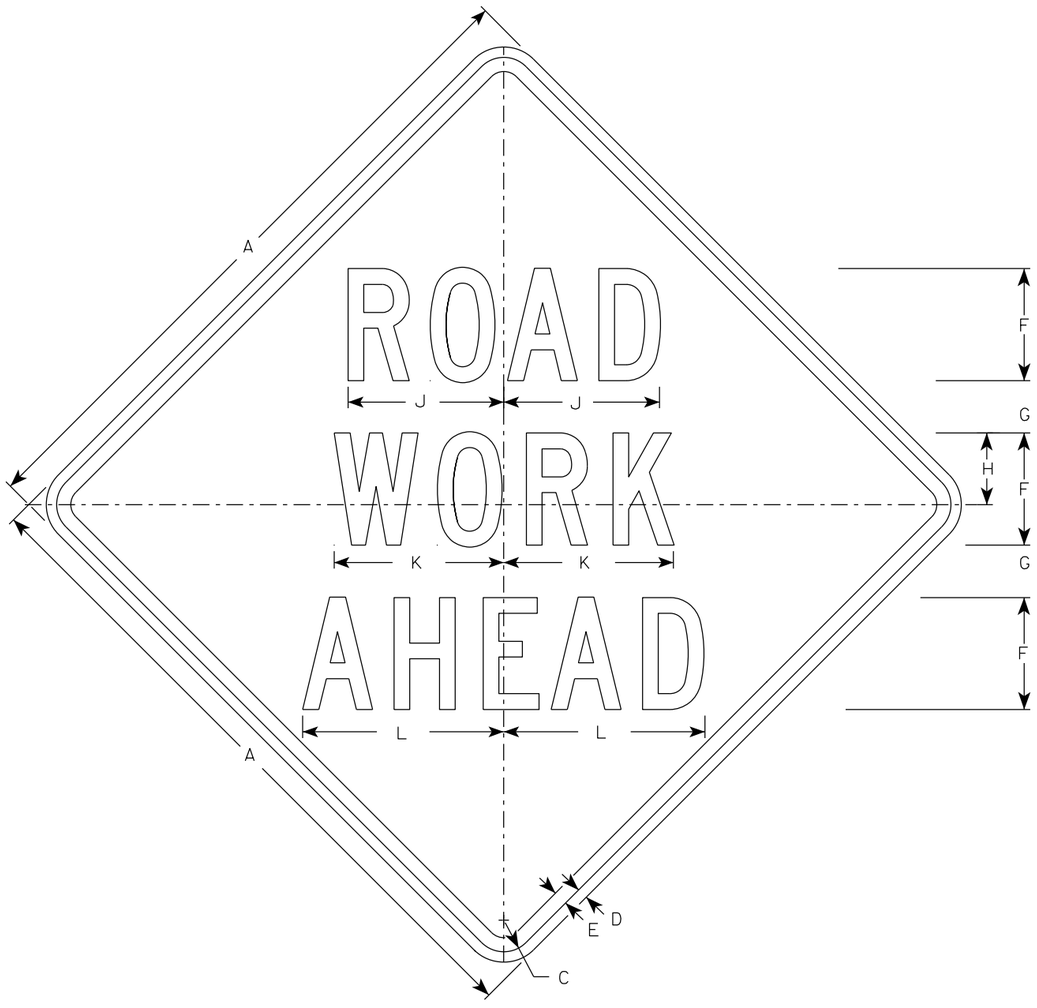
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/7/19 PLATE NO. W16-9P.7

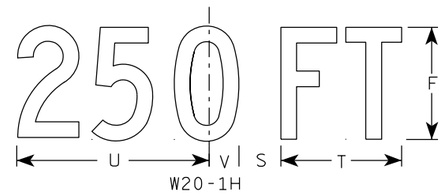
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 261 | E

NOTES

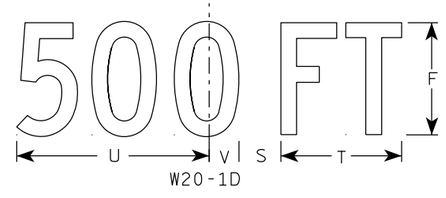
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1A



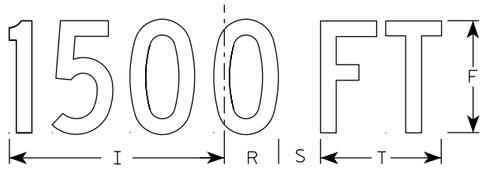
W20-1H



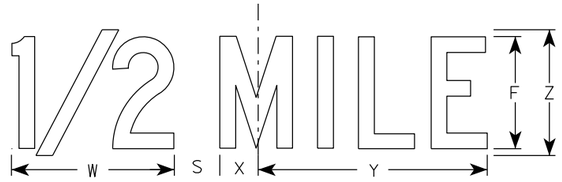
W20-1D



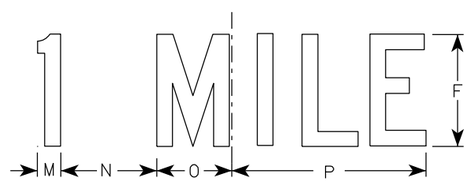
W20-1C



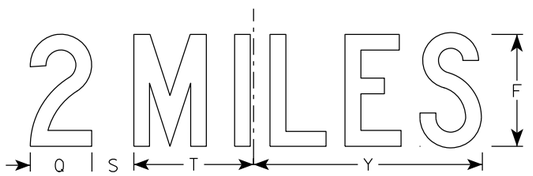
W20-1B



W20-1G



W20-1F



W20-1E

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

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

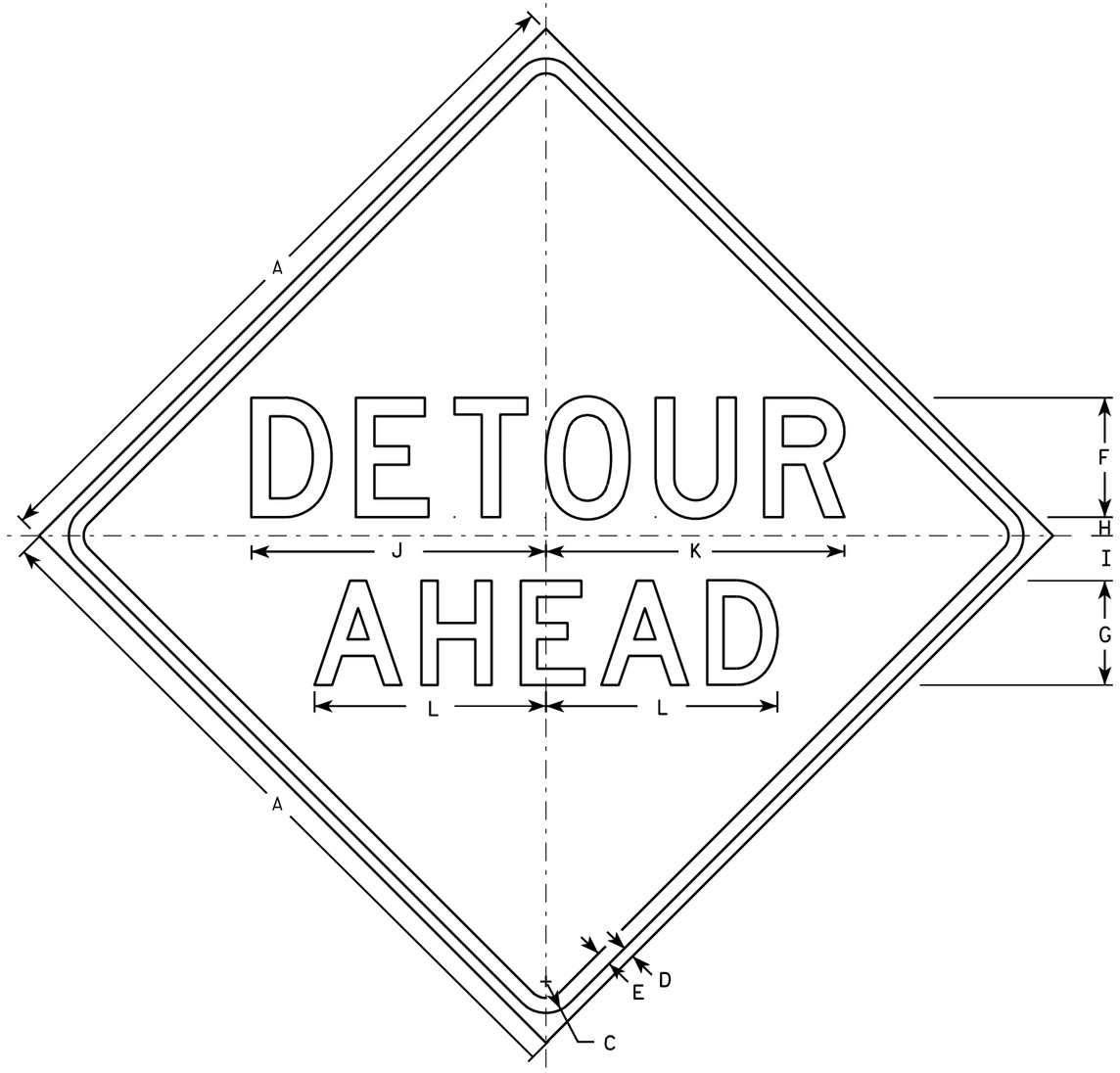
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

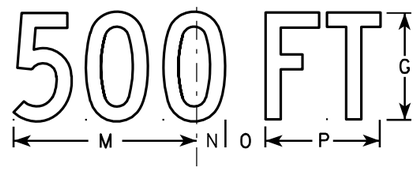
DATE 3/25/2020 PLATE NO. W20-1.11

PROJECT NO:

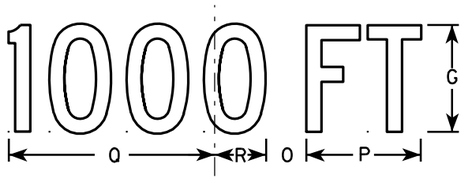
SHEET NO: E



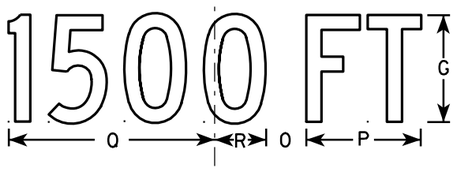
W20-2A



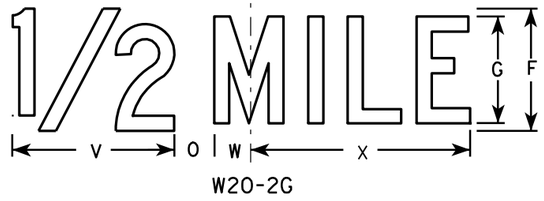
W20-2D



W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

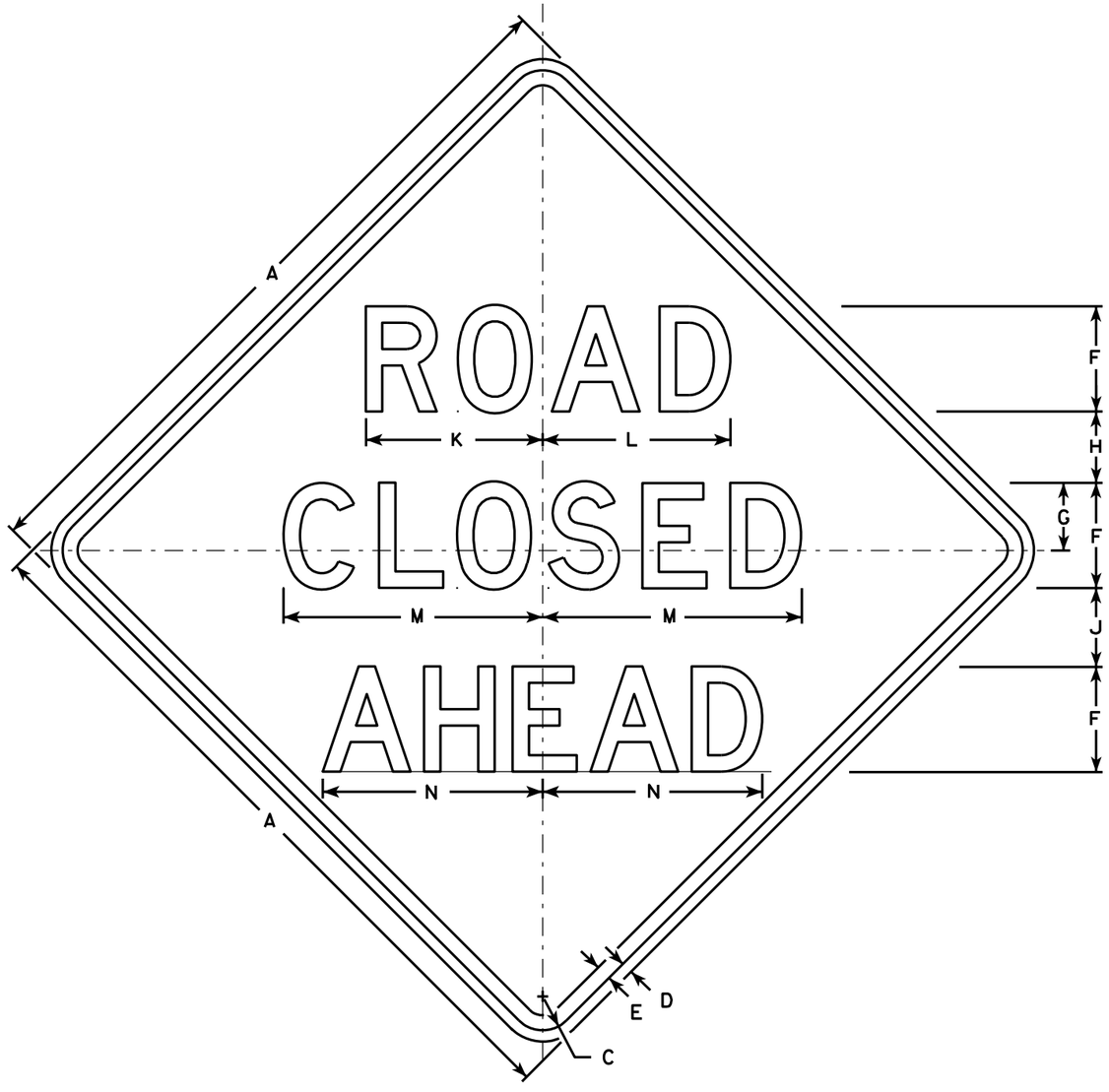
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

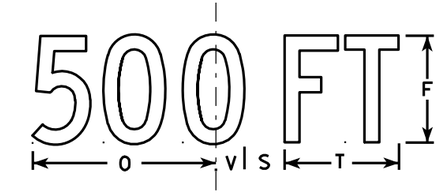
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-2.6

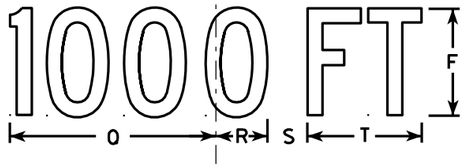
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 263	E



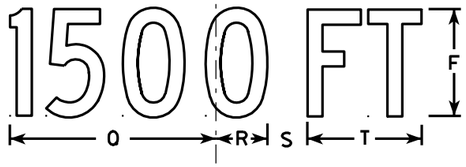
W20-3A



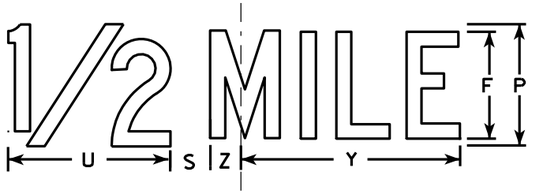
W20-3D



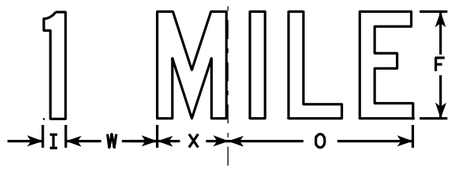
W20-3C



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.

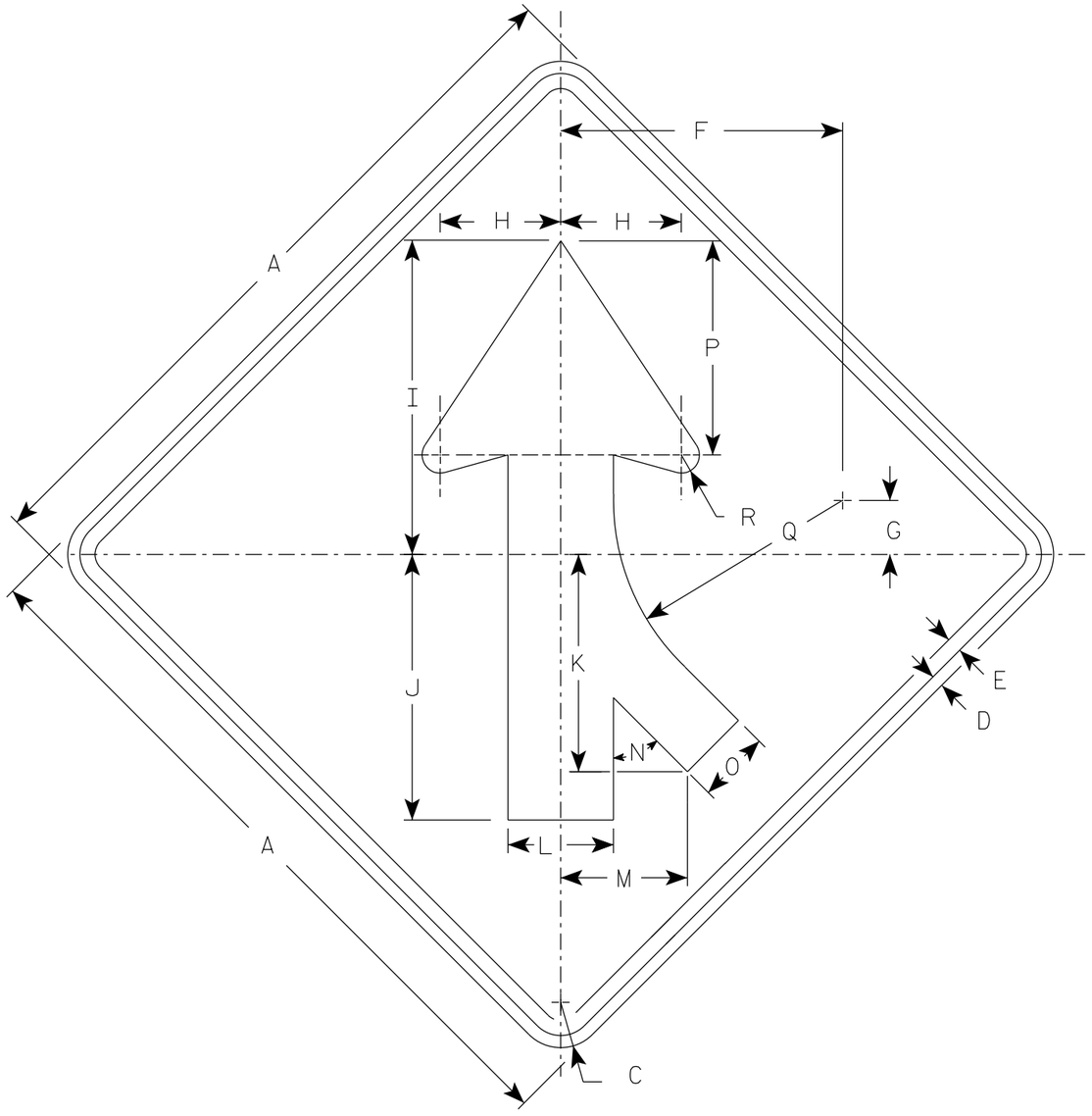
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	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: 264 | E



W04-1R

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.
4. W04-1L is the same as W04-1R 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	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
2S	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
2M	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
3	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
4	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
5	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0

STANDARD SIGN
W04-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. W04-1.2

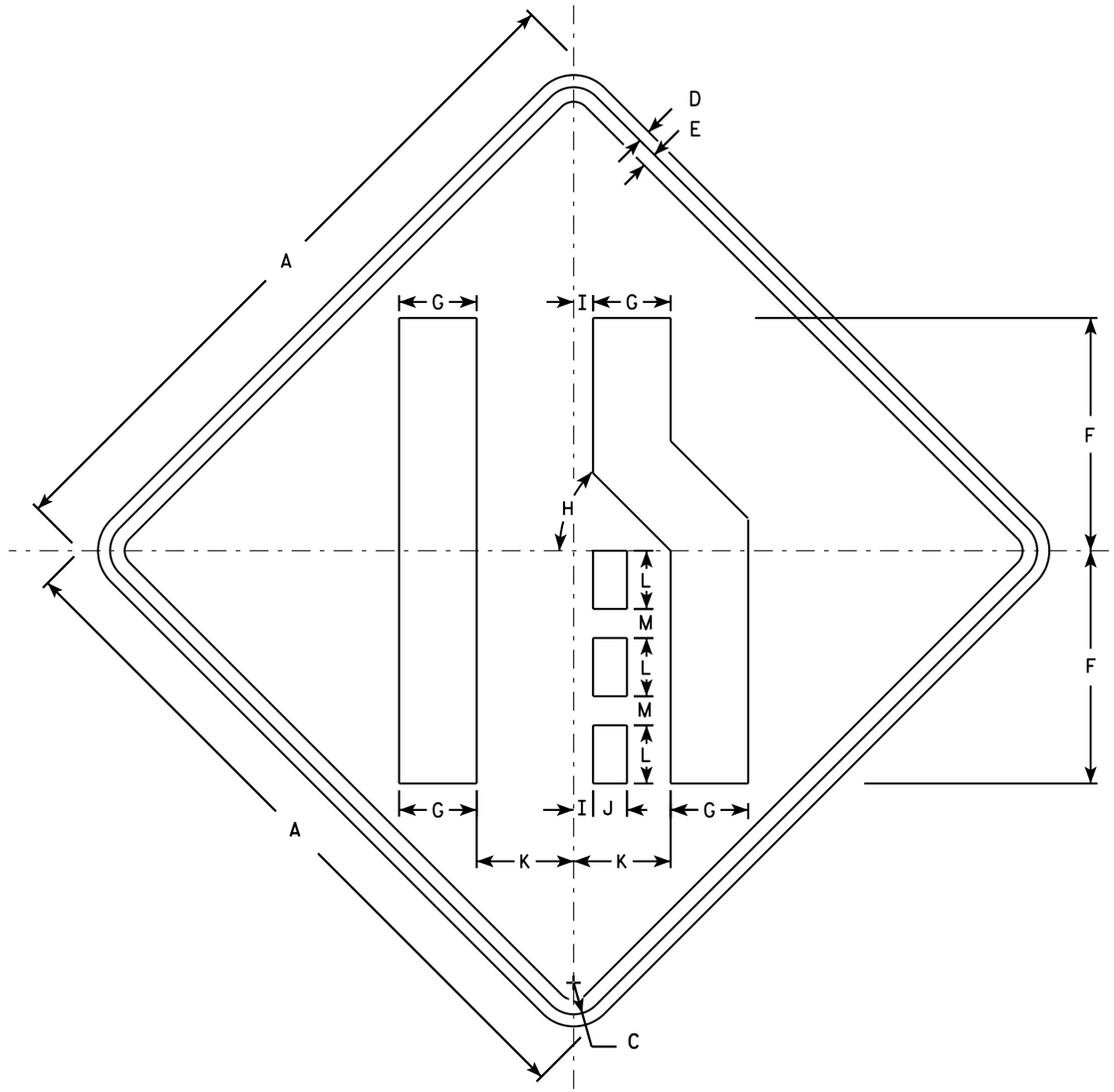
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W041.dgn PLOT DATE : 30-MAR 2021 8:25 PLOT BY : dotc4c PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 42

7

7



W04-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

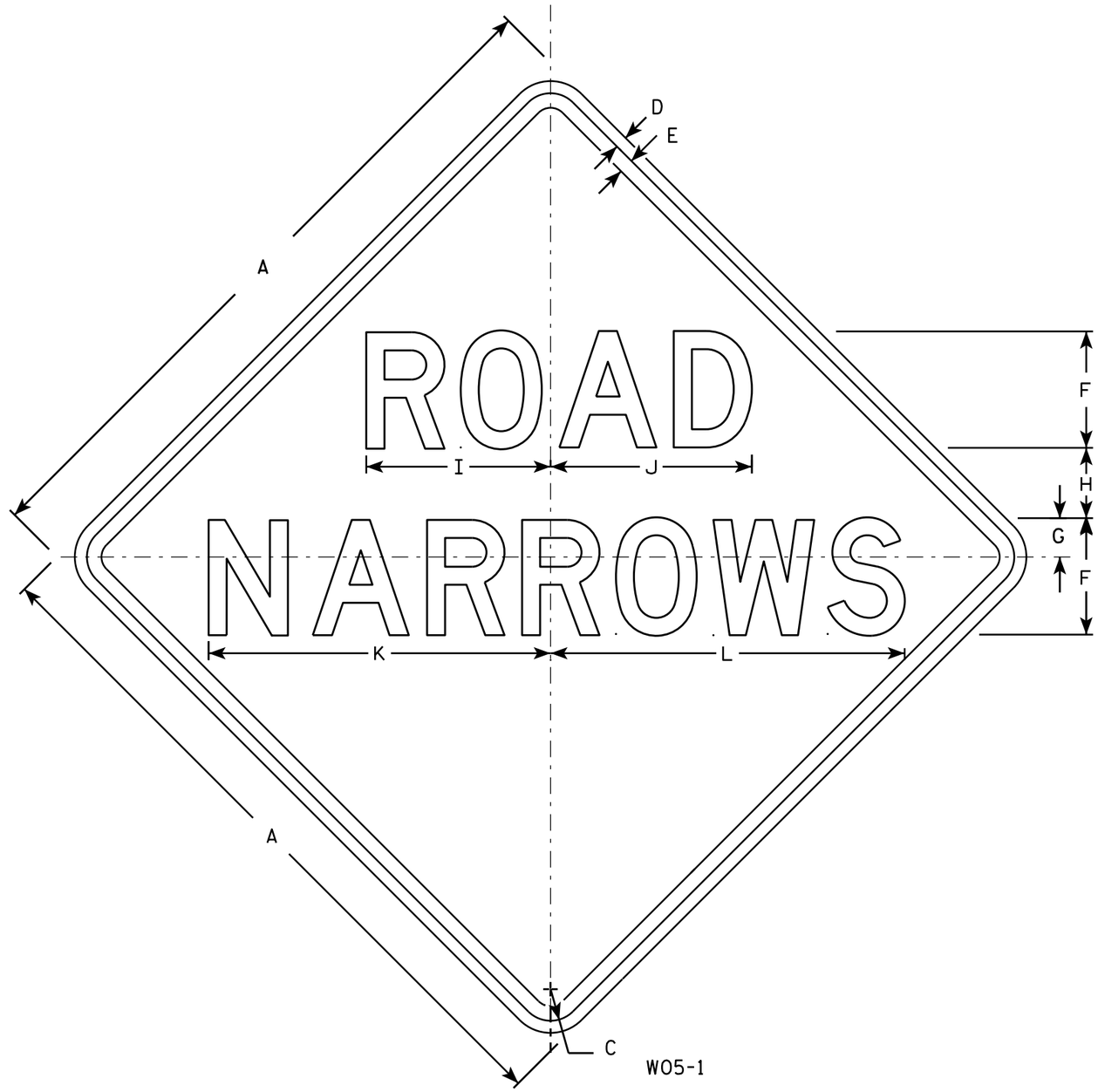
STANDARD SIGN
W04-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 266 W04-2.1

PROJECT NO: | SHEET NO: E



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

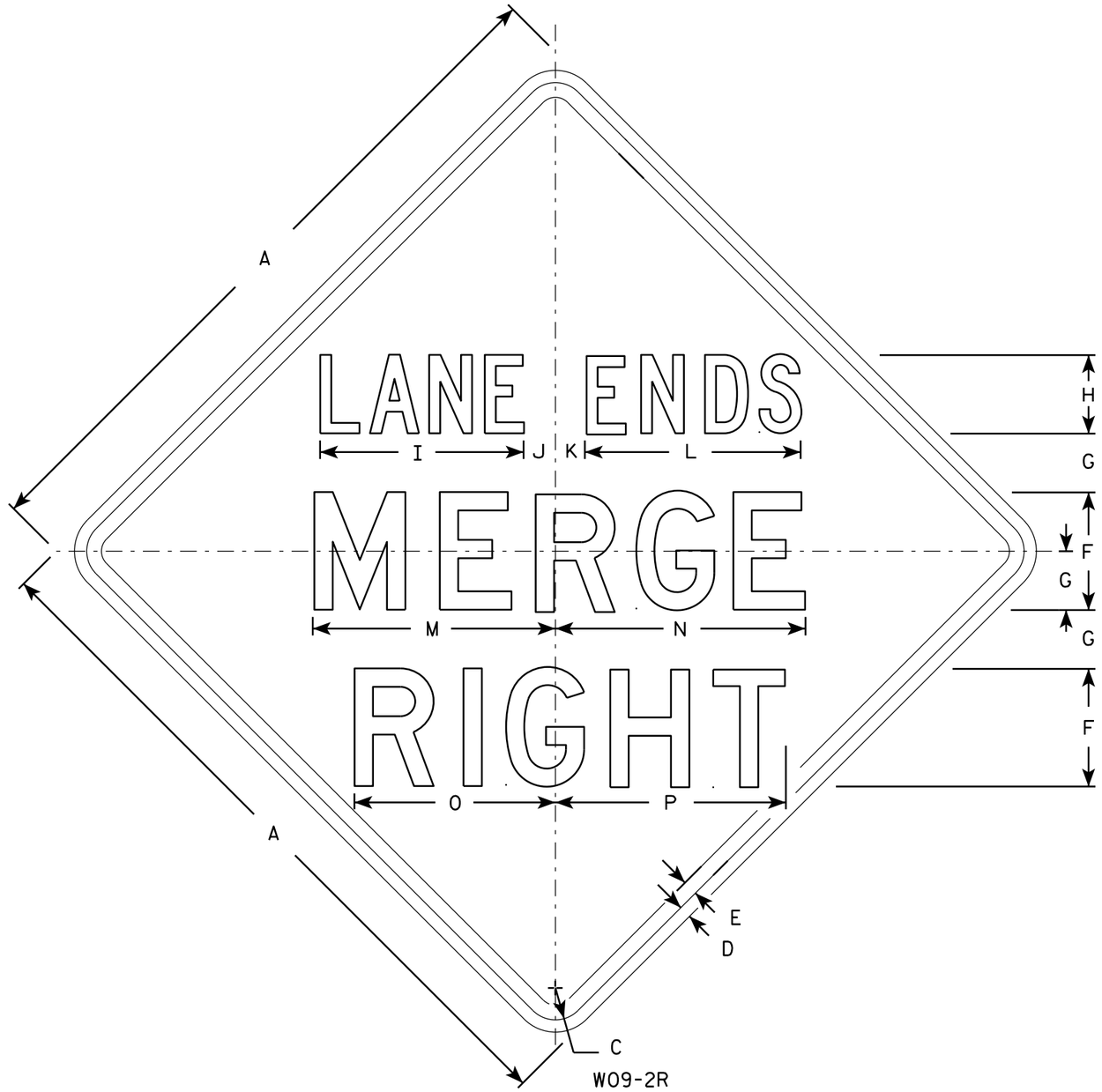
STANDARD SIGN
W05-1

WISCONSIN DEPT OF TRANSPORTATION

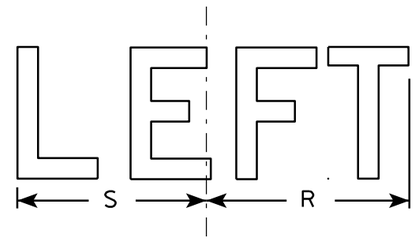
APPROVED Matthew R Rauch
for State Traffic Engineer

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

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



W09-2R



W09-2L

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 C, lines 2 & 3 are Series D.
6. W09-2L is the same as W09-2R except the word LEFT replaces 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	36		1 5/8	5/8	3/4	6	3	4	10 3/8	1 5/8	1 1/2	11	12 3/8	12 3/4	10 1/4	11 3/4		9 1/8	8 1/2								9.0
2S	48		2 1/4	3/4	1	8	4	6	14 1/2	2	3 1/4	13 3/4	16 3/8	17 1/8	13 3/4	15 3/4		12 1/4	11 1/4								16.0
2M	48		2 1/4	3/4	1	8	4	6	14 1/2	2	3 1/4	13 3/4	16 3/8	17 1/8	13 3/4	15 3/4		12 1/4	11 1/4								16.0
3	48		2 1/4	3/4	1	8	4	6	14 1/2	2	3 1/4	13 3/4	16 3/8	17 1/8	13 3/4	15 3/4		12 1/4	11 1/4								16.0
4	48		2 1/4	3/4	1	8	4	6	14 1/2	2	3 1/4	13 3/4	16 3/8	17 1/8	13 3/4	15 3/4		12 1/4	11 1/4								16.0
5	48		2 1/4	3/4	1	8	4	6	14 1/2	2	3 1/4	13 3/4	16 3/8	17 1/8	13 3/4	15 3/4		12 1/4	11 1/4								16.0

STANDARD SIGN
W09-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/02/13 PLATE NO W09-2.1

PROJECT NO: SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W092.DGN PLOT DATE : 02-DEC-2013 15:18 PLOT BY : mscsja

STAGE 1

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.42	MASS ORDINATE
76+58.74	7658.74	0.00	58.01	13.19	0.61	0	0	0	0	0	0
76+75.00	7675.00	16.26	60.25	23.08	0.48	36	11	0	36	0	25
76+90.00	7690.00	15.00	59.20	22.99	0.47	33	13	0	69	0	45
77+00.00	7700.00	10.00	58.27	22.83	0.54	22	8	0	91	0	59
77+25.00	7725.00	25.00	55.77	22.38	0.41	53	21	0	144	0	91
77+50.00	7750.00	25.00	52.75	30.66	0.33	50	25	0	194	0	116
77+55.00	7755.00	5.00	52.81	30.64	0.35	10	6	0	204	0	120
77+75.00	7775.00	20.00	57.42	20.99	0.00	41	19	0	245	0	142
77+75.09	7775.09	0.09	57.44	20.99	0.00	0	0	0	245	0	142
78+00.00	7800.00	24.91	64.57	20.60	0.00	56	19	0	301	0	179
78+10.00	7810.00	10.00	64.86	20.56	0.00	24	8	0	325	0	195
78+25.00	7825.00	15.00	64.31	20.55	0.00	36	11	0	361	0	220
78+50.00	7850.00	25.00	64.39	20.54	0.00	60	19	0	421	0	261
78+69.03	7869.03	19.03	65.66	20.54	0.00	46	14	0	467	0	293
78+75.00	7875.00	5.97	66.21	20.67	0.00	15	5	0	482	0	303
78+84.00	7884.00	9.00	67.26	20.87	0.00	22	7	0	504	0	318
79+00.00	7900.00	16.00	69.55	21.21	0.00	41	12	0	545	0	347
79+25.00	7925.00	25.00	74.01	21.75	0.00	66	20	0	611	0	393
79+50.00	7950.00	25.00	78.60	22.30	0.00	71	20	0	682	0	444
79+67.58	7967.58	17.58	81.05	22.69	0.00	52	15	0	734	0	481
79+75.00	7975.00	7.42	81.36	22.69	0.00	22	6	0	756	0	497
80+00.00	8000.00	25.00	80.89	22.67	0.00	75	21	0	831	0	551
80+25.00	8025.00	25.00	77.72	22.62	0.00	73	21	0	904	0	603
80+50.00	8050.00	25.00	72.90	22.63	0.00	70	21	0	974	0	652
80+75.00	8075.00	25.00	67.63	22.67	0.00	65	21	0	1,039	0	696
81+00.00	8100.00	25.00	67.15	22.67	0.00	62	21	0	1,101	0	737
81+25.00	8125.00	25.00	65.13	22.67	0.00	61	21	0	1,162	0	777
81+50.00	8150.00	25.00	63.68	22.67	0.00	60	21	0	1,222	0	816
81+75.00	8175.00	25.00	100.69	24.34	0.00	76	22	0	1,298	0	870
81+93.41	8193.41	18.41	143.47	31.55	0.00	83	19	0	1,381	0	934
82+00.00	8200.00	6.59	157.54	37.71	0.00	37	8	0	1,418	0	963
82+25.00	8225.00	25.00	148.15	63.16	0.00	142	47	0	1,560	0	1,058
82+50.00	8250.00	25.00	145.22	40.22	0.00	136	48	0	1,696	0	1,146
82+75.00	8275.00	25.00	134.29	41.36	0.00	129	38	0	1,825	0	1,237
83+00.00	8300.00	25.00	119.57	57.08	0.00	118	46	0	1,943	0	1,309
83+22.34	8322.34	22.34	115.18	47.53	0.00	97	43	0	2,040	0	1,363
83+25.00	8325.00	2.66	114.76	44.50	0.00	11	5	0	2,051	0	1,369
83+50.00	8350.00	25.00	95.49	26.95	0.00	97	33	0	2,148	0	1,433
83+75.00	8375.00	25.00	58.21	23.55	0.53	71	23	0	2,219	0	1,481
84+00.00	8400.00	25.00	58.58	23.63	0.46	54	22	0	2,273	0	1,513
84+25.00	8425.00	25.00	59.61	23.66	0.12	55	22	0	2,328	0	1,546
84+50.00	8450.00	25.00	59.07	23.68	0.22	55	22	0	2,383	0	1,579
84+75.00	8475.00	25.00	59.24	23.71	0.84	55	22	0	2,438	0	1,612
85+00.00	8500.00	25.00	60.75	23.74	0.27	56	22	1	2,494	1	1,645
85+11.05	8511.05	11.05	60.99	23.76	0.16	25	10	0	2,519	1	1,660

STAGE 1 CONTINUED

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.42	MASS ORDINATE
85+25.00	8525.00	13.95	62.26	23.93	0.09	32	12	0	2,551	1	1,680
85+50.00	8550.00	25.00	64.99	24.54	0.00	59	22	0	2,610	1	1,717
85+75.00	8575.00	25.00	67.58	24.50	0.00	61	23	0	2,671	1	1,755
86+00.00	8600.00	25.00	68.79	25.14	0.19	63	23	0	2,734	1	1,795
86+25.00	8625.00	25.00	67.45	25.22	0.03	63	23	0	2,797	1	1,835
86+50.00	8650.00	25.00	67.61	25.08	0.06	63	23	0	2,860	1	1,875
86+64.09	8664.09	14.09	67.22	24.95	0.09	35	13	0	2,895	1	1,897
86+75.00	8675.00	10.91	68.06	24.80	0.00	27	10	0	2,922	1	1,914
87+00.00	8700.00	25.00	67.51	24.38	0.00	63	23	0	2,985	1	1,954
87+25.00	8725.00	25.00	66.57	23.77	0.00	62	22	0	3,047	1	1,994
87+50.00	8750.00	25.00	64.67	22.61	0.00	61	21	0	3,108	1	2,034
87+75.00	8775.00	25.00	62.68	22.10	0.00	59	21	0	3,167	1	2,072
88+00.00	8800.00	25.00	62.70	20.95	0.00	58	20	0	3,225	1	2,110
88+17.12	8817.12	17.12	62.41	30.06	0.00	40	16	0	3,265	1	2,134
88+25.00	8825.00	7.88	63.09	30.04	0.00	18	9	0	3,283	1	2,143
88+50.00	8850.00	25.00	63.19	25.39	0.00	58	26	0	3,341	1	2,175
88+75.00	8875.00	25.00	65.65	20.73	0.00	60	21	0	3,401	1	2,214
89+00.00	8900.00	25.00	66.47	20.72	0.00	61	19	0	3,462	1	2,256
89+25.00	8925.00	25.00	65.86	20.77	0.00	61	19	0	3,523	1	2,298
89+50.00	8950.00	25.00	66.92	30.05	0.00	61	24	0	3,584	1	2,335
89+75.00	8975.00	25.00	64.41	30.20	0.00	61	28	0	3,645	1	2,368
90+00.00	9000.00	25.00	63.23	20.72	0.00	59	24	0	3,704	1	2,403
90+25.00	9025.00	25.00	61.62	20.68	0.00	58	19	0	3,762	1	2,442
90+50.00	9050.00	25.00	61.53	20.65	0.00	57	19	0	3,819	1	2,480
90+75.00	9075.00	25.00	60.94	20.64	0.00	57	19	0	3,876	1	2,518
91+00.00	9100.00	25.00	59.16	20.63	0.11	56	19	0	3,932	1	2,555
91+25.00	9125.00	25.00	59.04	20.64	0.30	55	19	0	3,987	1	2,591
91+50.00	9150.00	25.00	58.95	20.65	0.12	55	19	0	4,042	1	2,627
91+75.00	9175.00	25.00	58.09	20.65	0.00	54	19	0	4,096	1	2,662
92+00.00	9200.00	25.00	57.15	20.65	0.00	53	19	0	4,149	1	2,696
92+25.00	9225.00	25.00	56.34	20.64	0.00	53	19	0	4,202	1	2,730
92+50.00	9250.00	25.00	54.49	20.65	0.42	51	19	0	4,253	1	2,762
92+75.00	9275.00	25.00	54.08	20.66	0.41	50	19	0	4,303	1	2,793
93+00.00	9300.00	25.00	55.32	20.69	0.51	51	19	0	4,354	1	2,825
93+25.00	9325.00	25.00	69.16	23.65	0.00	58	21	0	4,412	1	2,862
93+50.00	9350.00	25.00	71.19	30.13	0.00	65	25	0	4,477	1	2,902
93+75.00	9375.00	25.00	72.57	20.72	0.00	67	24	0	4,544	1	2,945
94+00.00	9400.00	25.00	61.21	20.70	0.00	62	19	0	4,606	1	2,988
94+25.00	9425.00	25.00	58.91	20.67	0.38	56	19	0	4,662	1	3,025
94+50.00	9450.00	25.00	62.51	20.72	0.06	56	19	0	4,718	1	3,062
94+75.00	9475.00	25.00	64.81	22.79	7.15	59	20	3	4,777	6	3,096
95+00.00	9500.00	25.00	110.41	39.89	0.01	81	29	3	4,858	10	3,144
95+25.00	9525.00	25.00	117.03	46.97	0.00	105	40	0	4,963	10	3,209
95+50.00	9550.00	25.00	97.96	38.25	0.41	100	39	0	5,063	10	3,270
95+75.00	9575.00	25.00	63.77	23.51	10.35	75	29	5	5,138	17	3,309

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PROJECT NO: 4985-00-62 | HWY: LAWRENCE DRIVE | COUNTY: BROWN | EARTHWORK DATA | SHEET 269 | E

STAGE 1 CONTINUED

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.42	MASS ORDINATE
96+00.00	9600.00	25.00	62.59	20.78	0.00	59	21	5	5,197	24	3,340
96+25.00	9625.00	25.00	63.14	20.77	0.00	58	19	0	5,255	24	3,379
96+50.00	9650.00	25.00	63.94	20.76	0.00	59	19	0	5,314	24	3,419
96+75.00	9675.00	25.00	63.52	20.76	0.00	59	19	0	5,373	24	3,459
97+00.00	9700.00	25.00	64.52	20.77	0.00	59	19	0	5,432	24	3,499
97+25.00	9725.00	25.00	65.02	20.77	0.00	60	19	0	5,492	24	3,540
97+50.00	9750.00	25.00	63.82	20.77	0.00	60	19	0	5,552	24	3,581
97+75.00	9775.00	25.00	64.35	20.78	0.00	59	19	0	5,611	24	3,621
98+00.00	9800.00	25.00	64.19	20.78	0.00	60	19	0	5,671	24	3,662
98+25.00	9825.00	25.00	63.05	20.78	0.00	59	19	0	5,730	24	3,702
98+50.00	9850.00	25.00	60.45	20.77	0.24	57	19	0	5,787	24	3,740
98+75.00	9875.00	25.00	58.61	20.76	0.00	55	19	0	5,842	24	3,776
99+00.00	9900.00	25.00	56.53	20.77	0.00	53	19	0	5,895	24	3,810
99+25.00	9925.00	25.00	59.06	20.83	0.00	54	19	0	5,949	24	3,845
99+50.00	9950.00	25.00	63.53	20.68	0.00	57	19	0	6,006	24	3,883
99+75.00	9975.00	25.00	65.22	32.94	0.00	60	25	0	6,066	24	3,918
99+93.24	9993.24	18.24	61.06	33.00	0.17	43	22	0	6,109	24	3,939
100+00.00	10000.00	6.76	59.56	25.89	0.56	15	7	0	6,124	24	3,947
100+25.00	10025.00	25.00	58.63	21.36	0.00	55	22	0	6,179	24	3,980
100+34.78	10034.78	9.78	57.68	21.25	0.00	21	8	0	6,200	24	3,993
100+50.00	10050.00	15.22	56.50	20.97	0.00	32	12	0	6,232	24	4,013
100+75.00	10075.00	25.00	54.84	20.82	0.40	52	19	0	6,284	24	4,046
100+76.33	10076.33	1.33	54.80	20.82	0.34	3	1	0	6,287	24	4,048
101+00.00	10100.00	23.67	55.08	20.80	0.00	48	18	0	6,335	24	4,078
101+25.00	10125.00	25.00	55.15	21.02	0.00	51	19	0	6,386	24	4,110
101+50.00	10150.00	25.00	57.22	21.63	0.00	52	20	0	6,438	24	4,142
101+75.00	10175.00	25.00	59.65	22.91	0.00	54	21	0	6,492	24	4,175
102+00.00	10200.00	25.00	59.37	24.35	0.00	55	22	0	6,547	24	4,208
102+25.00	10225.00	25.00	68.22	26.27	0.00	59	23	0	6,606	24	4,244
102+50.00	10250.00	25.00	79.56	26.91	0.00	68	25	0	6,674	24	4,287
102+54.77	10254.77	4.77	81.49	26.93	0.00	14	5	0	6,688	24	4,296
102+72.25	10272.25	17.48	62.92	18.71	0.00	47	15	0	6,735	24	4,328
102+75.00	10275.00	2.75	61.18	18.75	0.00	6	2	0	6,741	24	4,332
102+89.73	10289.73	14.73	52.81	16.99	0.00	31	10	0	6,772	24	4,353
103+00.00	10300.00	10.27	46.58	14.67	0.00	19	6	0	6,791	24	4,366
103+25.00	10325.00	25.00	30.47	8.97	0.00	36	11	0	6,827	24	4,391
103+50.00	10350.00	25.00	15.82	2.54	0.00	21	5	0	6,848	24	4,407
103+75.00	10375.00	25.00	13.76	3.47	0.01	14	3	0	6,862	24	4,418
104+00.00	10400.00	25.00	12.82	4.14	0.00	12	4	0	6,874	24	4,426
104+10.07	10410.07	10.07	12.69	4.22	0.05	5	2	0	6,879	24	4,429
104+25.00	10425.00	14.93	0.00	0.00	0.00	4	1	0	6,883	24	4,432
104+50.00	10450.00	25.00	0.00	0.00	0.00	0	0	0	6,883	24	4,432
104+75.00	10475.00	25.00	0.00	0.00	0.00	0	0	0	6,883	24	4,432
105+00.00	10500.00	25.00	0.00	0.00	0.00	0	0	0	6,883	24	4,432
105+25.00	10525.00	25.00	0.00	0.00	0.00	0	0	0	6,883	24	4,432
105+30.41	10530.41	5.41	0.00	0.00	0.00	0	0	0	6,883	24	4,432
105+30.41	10530.41	0.00	0.00	0.00	0.00	0	0	0	6,883	24	4,432
105+40.00	10540.00	9.59	0.00	0.00	0.00	0	0	0	6,883	24	4,432

STAGE 2

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.42	MASS ORDINATE
76+58.74	7658.74	0.00	37.70	0.00	0.00	0	0	0	0	0	0
76+75.00	7675.00	16.26	35.41	13.61	0.00	22	4	0	22	0	18
76+90.00	7690.00	15.00	36.07	21.19	0.21	20	10	0	42	0	28
77+00.00	7700.00	10.00	36.49	21.19	0.26	13	8	0	55	0	33
77+25.00	7725.00	25.00	37.49	13.16	0.00	34	16	0	89	0	51
77+50.00	7750.00	25.00	38.25	12.88	0.00	35	12	0	124	0	74
77+55.00	7755.00	5.00	38.11	12.83	0.00	7	2	0	131	0	79
77+75.00	7775.00	20.00	37.76	12.66	0.00	28	9	0	159	0	98
77+75.09	7775.09	0.09	37.76	12.66	0.00	0	0	0	159	0	98
78+00.00	7800.00	24.91	36.62	21.18	0.00	34	16	0	193	0	116
78+10.00	7810.00	10.00	36.45	21.18	0.00	14	8	0	207	0	122
78+25.00	7825.00	15.00	36.70	12.45	0.00	20	9	0	227	0	133
78+50.00	7850.00	25.00	36.80	12.39	0.00	34	12	0	261	0	155
78+69.03	7869.03	19.03	36.32	21.06	0.04	26	12	0	287	0	169
78+75.00	7875.00	5.97	36.01	21.06	0.12	8	5	0	295	0	172
78+84.00	7884.00	9.00	35.54	20.86	0.26	12	7	0	307	0	177
79+00.00	7900.00	16.00	34.60	14.09	0.00	21	10	0	328	0	188
79+25.00	7925.00	25.00	32.75	11.14	0.00	31	12	0	359	0	207
79+50.00	7950.00	25.00	30.16	10.59	0.00	29	10	0	388	0	226
79+67.58	7967.58	17.58	28.47	10.19	0.00	19	7	0	407	0	238
79+75.00	7975.00	7.42	28.46	10.18	0.00	8	3	0	415	0	243
80+00.00	8000.00	25.00	28.63	10.15	0.00	26	9	0	441	0	260
80+25.00	8025.00	25.00	29.68	10.17	0.00	27	9	0	468	0	278
80+50.00	8050.00	25.00	31.42	10.19	0.00	28	9	0	496	0	297
80+75.00	8075.00	25.00	33.61	10.15	0.00	30	9	0	526	0	318
81+00.00	8100.00	25.00	33.42	10.12	0.00	31	9	0	557	0	340
81+25.00	8125.00	25.00	34.42	10.15	0.00	31	9	0	588	0	362
81+50.00	8150.00	25.00	34.72	10.35	0.20	32	9	0	620	0	385
81+75.00	8175.00	25.00	35.53	16.86	0.00	33	13	0	653	0	405
81+93.41	8193.41	18.41	35.77	29.75	0.00	24	16	0	677	0	413
82+00.00	8200.00	6.59	35.84	29.83	0.00	9	7	0	686	0	415
82+25.00	8225.00	25.00	36.07	30.19	0.00	33	28	0	719	0	420
82+50.00	8250.00	25.00	36.67	14.79	0.00	34	21	0	753	0	433
82+75.00	8275.00	25.00	37.16	29.64	0.00	34	21	0	787	0	446
83+00.00	8300.00	25.00	37.57	29.82	0.00	35	28	0	822	0	453
83+22.34	8322.34	22.34	37.48	11.07	0.80	31	17	0	853	0	467
83+25.00	8325.00	2.66	37.45	10.97	0.87	4	1	0	857	0	470
83+50.00	8350.00	25.00	36.99	27.51	0.69	34	18	1	891	1	485
83+75.00	8375.00	25.00	36.46	28.35	0.24	34	26	0	925	1	493
84+00.00	8400.00	25.00	36.12	22.97	0.49	34	24	0	959	1	503
84+25.00	8425.00	25.00	35.42	20.05	0.03	33	20	0	992	1	516
84+50.00	8450.00	25.00	35.60	18.26	0.62	33	18	0	1,025	1	531
84+75.00	8475.00	25.00	35.46	18.26	0.00	33	17	0	1,058	1	547
85+00.00	8500.00	25.00	34.98	18.25	0.00	33	17	0	1,091	1	563
85+11.05	8511.05	11.05	34.87	18.25	0.00	14	7	0	1,105	1	570

STAGE 2 CONTINUED

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.42	MASS ORDINATE
85+25.00	8525.00	13.95	34.41	18.10	0.00	18	9	0	1,123	1	579
85+50.00	8550.00	25.00	33.69	17.73	0.00	32	17	0	1,155	1	594
85+75.00	8575.00	25.00	33.12	17.42	0.00	31	16	0	1,186	1	609
86+00.00	8600.00	25.00	32.87	17.13	0.00	31	16	0	1,217	1	624
86+25.00	8625.00	25.00	32.76	16.96	0.00	30	16	0	1,247	1	638
86+50.00	8650.00	25.00	32.37	16.73	0.00	30	16	0	1,277	1	652
86+64.09	8664.09	14.09	32.51	16.21	0.00	17	9	0	1,294	1	660
86+75.00	8675.00	10.91	32.45	15.59	0.00	13	6	0	1,307	1	667
87+00.00	8700.00	25.00	33.24	13.42	0.00	30	13	0	1,337	1	684
87+25.00	8725.00	25.00	33.97	10.10	0.00	31	11	0	1,368	1	704
87+50.00	8750.00	25.00	35.29	10.25	0.00	32	9	0	1,400	1	727
87+75.00	8775.00	25.00	36.29	11.20	0.00	33	10	0	1,433	1	750
88+00.00	8800.00	25.00	36.73	12.19	0.07	34	11	0	1,467	1	773
88+17.12	8817.12	17.12	36.57	12.38	0.65	23	8	0	1,490	1	788
88+25.00	8825.00	7.88	36.44	12.37	0.88	11	4	0	1,501	1	795
88+50.00	8850.00	25.00	36.19	12.39	1.15	34	11	1	1,535	3	816
88+75.00	8875.00	25.00	35.97	12.40	0.54	33	11	1	1,568	4	837
89+00.00	8900.00	25.00	35.73	12.42	0.29	33	11	0	1,601	4	859
89+25.00	8925.00	25.00	35.55	12.45	0.21	33	12	0	1,634	4	880
89+50.00	8950.00	25.00	35.38	12.43	0.31	33	12	0	1,667	4	901
89+75.00	8975.00	25.00	35.88	12.41	0.60	33	11	0	1,700	4	923
90+00.00	9000.00	25.00	36.64	12.40	0.45	34	11	0	1,734	4	946
90+25.00	9025.00	25.00	37.26	12.40	0.38	34	11	0	1,768	4	969
90+50.00	9050.00	25.00	37.80	12.39	0.35	35	11	0	1,803	4	993
90+75.00	9075.00	25.00	38.13	12.36	0.03	35	11	0	1,838	4	1,017
91+00.00	9100.00	25.00	38.39	12.37	0.00	35	11	0	1,873	4	1,041
91+25.00	9125.00	25.00	38.43	12.44	0.00	36	11	0	1,909	4	1,066
91+50.00	9150.00	25.00	38.50	13.76	0.00	36	12	0	1,945	4	1,090
91+75.00	9175.00	25.00	39.21	20.05	0.00	36	16	0	1,981	4	1,110
92+00.00	9200.00	25.00	39.73	20.04	0.00	37	19	0	2,018	4	1,128
92+25.00	9225.00	25.00	40.09	20.05	0.00	37	19	0	2,055	4	1,146
92+50.00	9250.00	25.00	40.45	20.10	0.00	37	19	0	2,092	4	1,164
92+75.00	9275.00	25.00	40.25	20.14	0.00	37	19	0	2,129	4	1,182
93+00.00	9300.00	25.00	39.66	20.14	0.00	37	19	0	2,166	4	1,200
93+25.00	9325.00	25.00	39.21	20.32	0.00	37	19	0	2,203	4	1,218
93+50.00	9350.00	25.00	38.09	20.20	0.08	36	19	0	2,239	4	1,235
93+75.00	9375.00	25.00	38.11	19.23	2.99	35	18	1	2,274	6	1,250
94+00.00	9400.00	25.00	37.66	13.52	0.00	35	15	1	2,309	7	1,269
94+25.00	9425.00	25.00	37.82	13.53	1.18	35	13	1	2,344	9	1,289
94+50.00	9450.00	25.00	37.62	19.67	1.85	35	15	1	2,379	10	1,308
94+75.00	9475.00	25.00	37.00	20.14	0.00	35	18	1	2,414	11	1,324
95+00.00	9500.00	25.00	36.57	20.13	0.00	34	19	0	2,448	11	1,339
95+25.00	9525.00	25.00	36.63	20.13	0.00	34	19	0	2,482	11	1,354
95+50.00	9550.00	25.00	36.59	20.15	0.00	34	19	0	2,516	11	1,369
95+75.00	9575.00	25.00	36.82	20.14	0.00	34	19	0	2,550	11	1,384

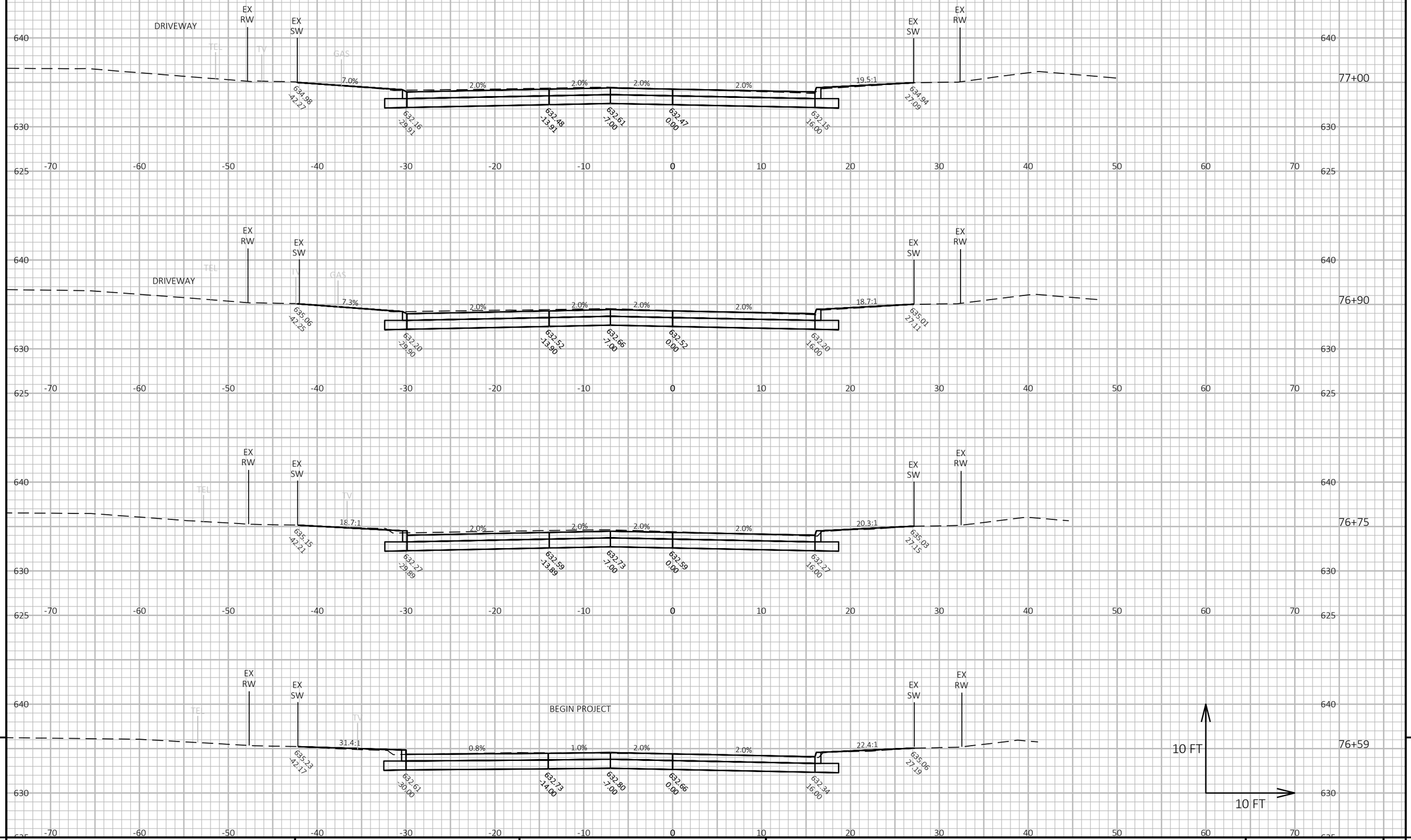
STAGE 2 CONTINUED

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.42	MASS ORDINATE
96+00.00	9600.00	25.00	36.90	20.12	0.00	34	19	0	2,584	11	1,399
96+25.00	9625.00	25.00	36.68	20.12	0.00	34	19	0	2,618	11	1,414
96+50.00	9650.00	25.00	36.38	20.14	0.00	34	19	0	2,652	11	1,429
96+75.00	9675.00	25.00	36.42	12.40	0.54	34	15	0	2,686	11	1,448
97+00.00	9700.00	25.00	36.47	12.35	0.06	34	11	0	2,720	11	1,471
97+25.00	9725.00	25.00	36.66	12.30	2.05	34	11	1	2,754	13	1,492
97+50.00	9750.00	25.00	37.05	12.30	1.72	34	11	2	2,788	16	1,512
97+75.00	9775.00	25.00	37.03	12.31	1.42	34	11	1	2,822	17	1,534
98+00.00	9800.00	25.00	37.01	12.32	2.18	34	11	2	2,856	20	1,554
98+25.00	9825.00	25.00	37.40	12.33	2.46	34	11	2	2,890	23	1,574
98+50.00	9850.00	25.00	38.08	12.32	0.69	35	11	1	2,925	24	1,597
98+75.00	9875.00	25.00	38.90	12.30	0.48	36	11	1	2,961	26	1,620
99+00.00	9900.00	25.00	39.75	18.15	0.12	36	14	0	2,997	26	1,642
99+25.00	9925.00	25.00	38.76	20.18	0.00	36	18	0	3,033	26	1,660
99+50.00	9950.00	25.00	37.38	20.22	0.00	35	19	0	3,068	26	1,676
99+75.00	9975.00	25.00	37.22	16.86	0.16	35	17	0	3,103	26	1,694
99+93.24	9993.24	18.24	37.37	12.35	0.00	25	10	0	3,128	26	1,709
100+00.00	10000.00	6.76	37.47	12.38	0.00	9	3	0	3,137	26	1,715
100+25.00	10025.00	25.00	38.19	12.41	0.09	35	11	0	3,172	26	1,739
100+34.78	10034.78	9.78	38.47	12.35	0.10	14	4	0	3,186	26	1,749
100+50.00	10050.00	15.22	38.68	12.34	0.01	22	7	0	3,208	26	1,764
100+75.00	10075.00	25.00	39.44	12.47	0.04	36	11	0	3,244	26	1,789
100+76.33	10076.33	1.33	39.49	12.49	0.04	2	1	0	3,246	26	1,790
101+00.00	10100.00	23.67	40.06	12.81	0.11	35	11	0	3,281	26	1,814
101+25.00	10125.00	25.00	40.34	13.10	1.34	37	12	1	3,318	27	1,838
101+50.00	10150.00	25.00	39.73	13.38	1.42	37	12	1	3,355	28	1,862
101+75.00	10175.00	25.00	39.16	14.18	0.00	37	13	1	3,392	30	1,884
102+00.00	10200.00	25.00	43.46	15.60	0.00	38	14	0	3,430	30	1,908
102+25.00	10225.00	25.00	62.06	17.19	0.00	49	15	0	3,479	30	1,942
102+50.00	10250.00	25.00	62.06	18.78	0.00	57	17	0	3,536	30	1,982
102+54.77	10254.77	4.77	62.06	19.09	0.00	11	3	0	3,547	30	1,990
102+72.25	10272.25	17.48	62.06	3.57	0.00	40	7	0	3,587	30	2,023
102+75.00	10275.00	2.75	62.06	4.42	0.00	6	0	0	3,593	30	2,029
102+89.73	10289.73	14.73	62.06	12.42	0.00	34	5	0	3,627	30	2,058
103+00.00	10300.00	10.27	62.06	26.11	0.00	24	7	0	3,651	30	2,075
103+25.00	10325.00	25.00	62.06	23.67	0.00	57	23	0	3,708	30	2,109
103+50.00	10350.00	25.00	62.06	2.60	0.05	57	12	0	3,765	30	2,154
103+75.00	10375.00	25.00	62.06	1.00	0.79	57	2	0	3,822	30	2,209
104+00.00	10400.00	25.00	62.06	0.08	1.99	57	1	1	3,879	31	2,264
104+10.07	10410.07	10.07	62.06	0.00	1.21	23	0	1	3,902	33	2,285
104+25.00	10425.00	14.93	62.06	0.00	0.50	34	0	0	3,936	33	2,319
104+50.00	10450.00	25.00	62.06	0.00	0.00	57	0	0	3,993	33	2,376
104+75.00	10475.00	25.00	62.06	0.00	0.38	57	0	0	4,050	33	2,433
105+00.00	10500.00	25.00	62.06	0.00	1.00	57	0	1	4,107	34	2,489
105+25.00	10525.00	25.00	62.06	0.00	0.22	57	0	1	4,164	36	2,545
105+30.41	10530.41	5.41	62.06	0.00	0.02	12	0	0	4,176	36	2,557
105+30.41	10530.41	0.00	62.06	0.00	0.02	0	0	0	4,176	36	2,557
105+40.00	10540.00	9.59	62.06	0.00	0.00	22	0	0	4,198	36	2,579

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PROJECT NO: 4985-00-62 | HWY: LAWRENCE DRIVE | COUNTY: BROWN | EARTHWORK DATA | SHEET 271 | E



9

9

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 272	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 090201

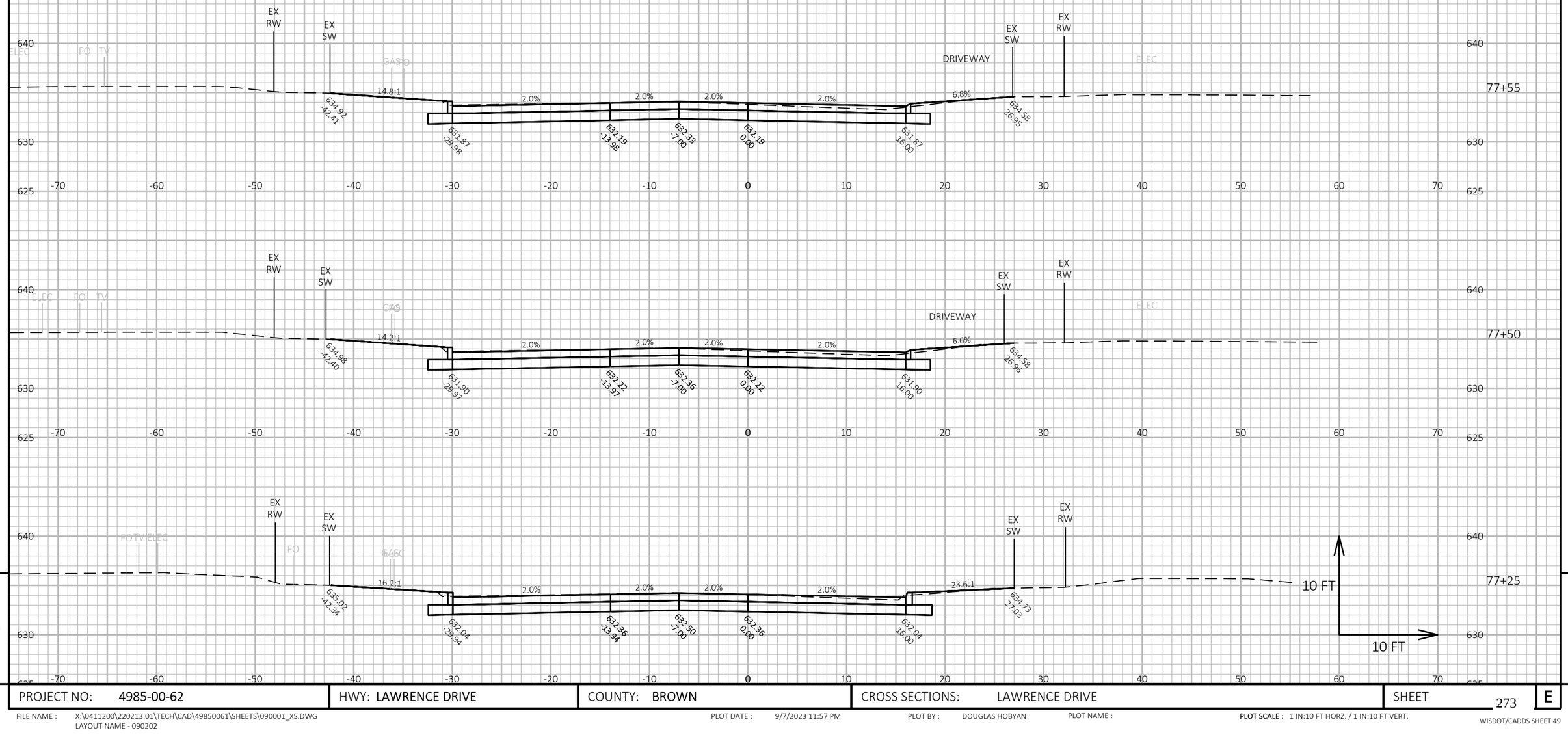
PLOT DATE : 9/7/2023 11:57 PM

PLOT BY : DOUGLAS HOBYAN

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: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 273	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 090202

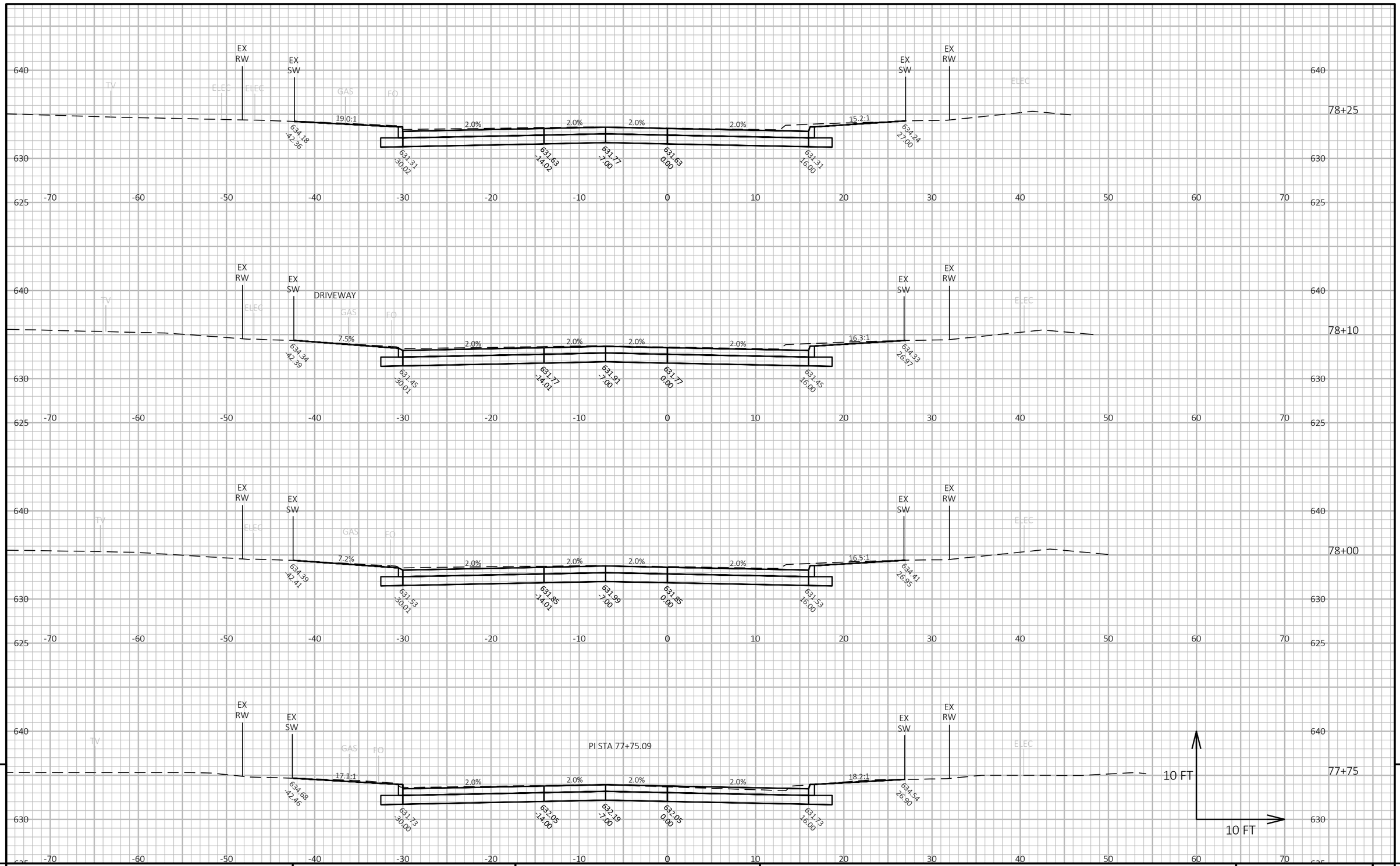
PLOT DATE : 9/7/2023 11:57 PM

PLOT BY : DOUGLAS HOBYAN

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: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 274	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 090203

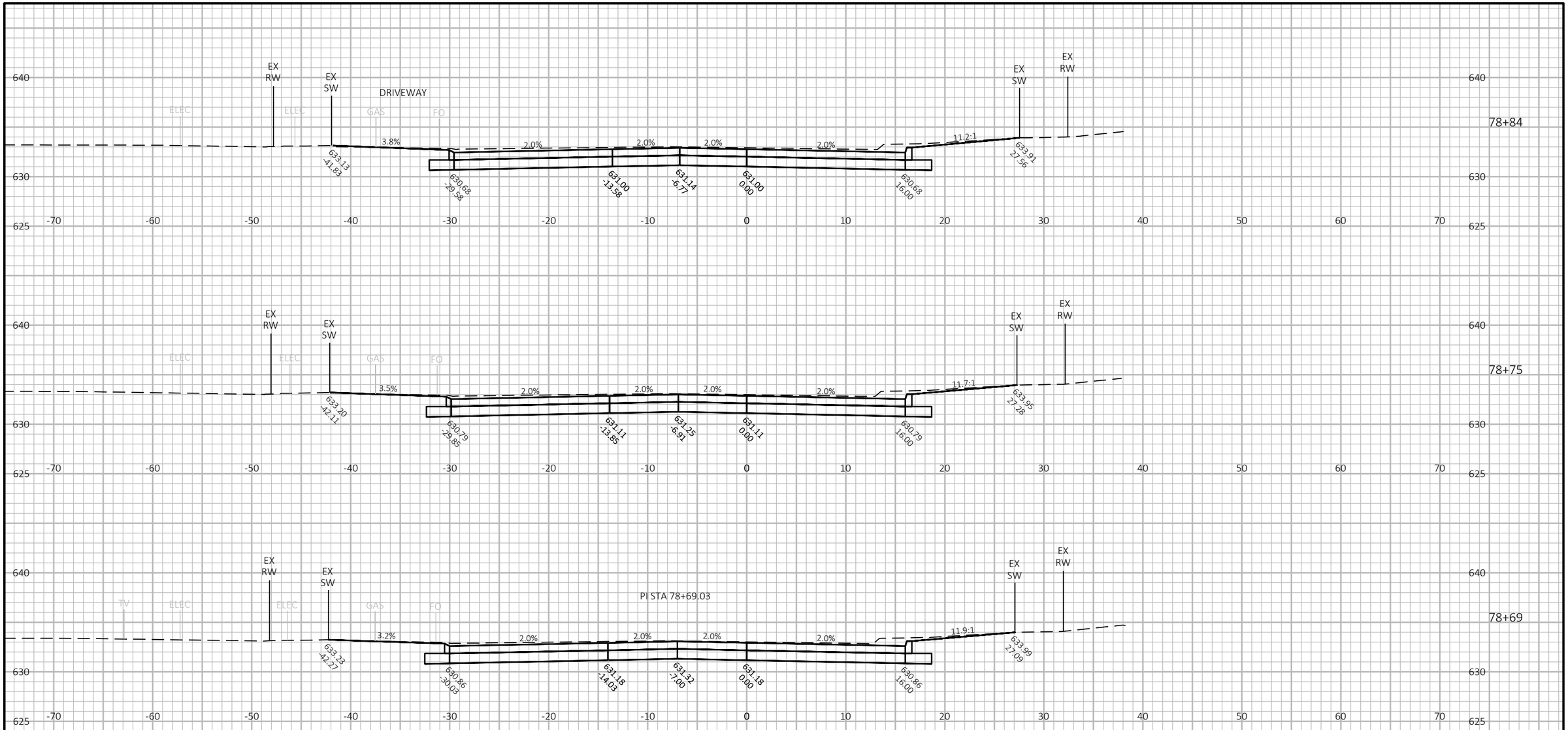
PLOT DATE : 9/7/2023 11:57 PM

PLOT BY : DOUGLAS HOBYAN

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: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 275	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 090204

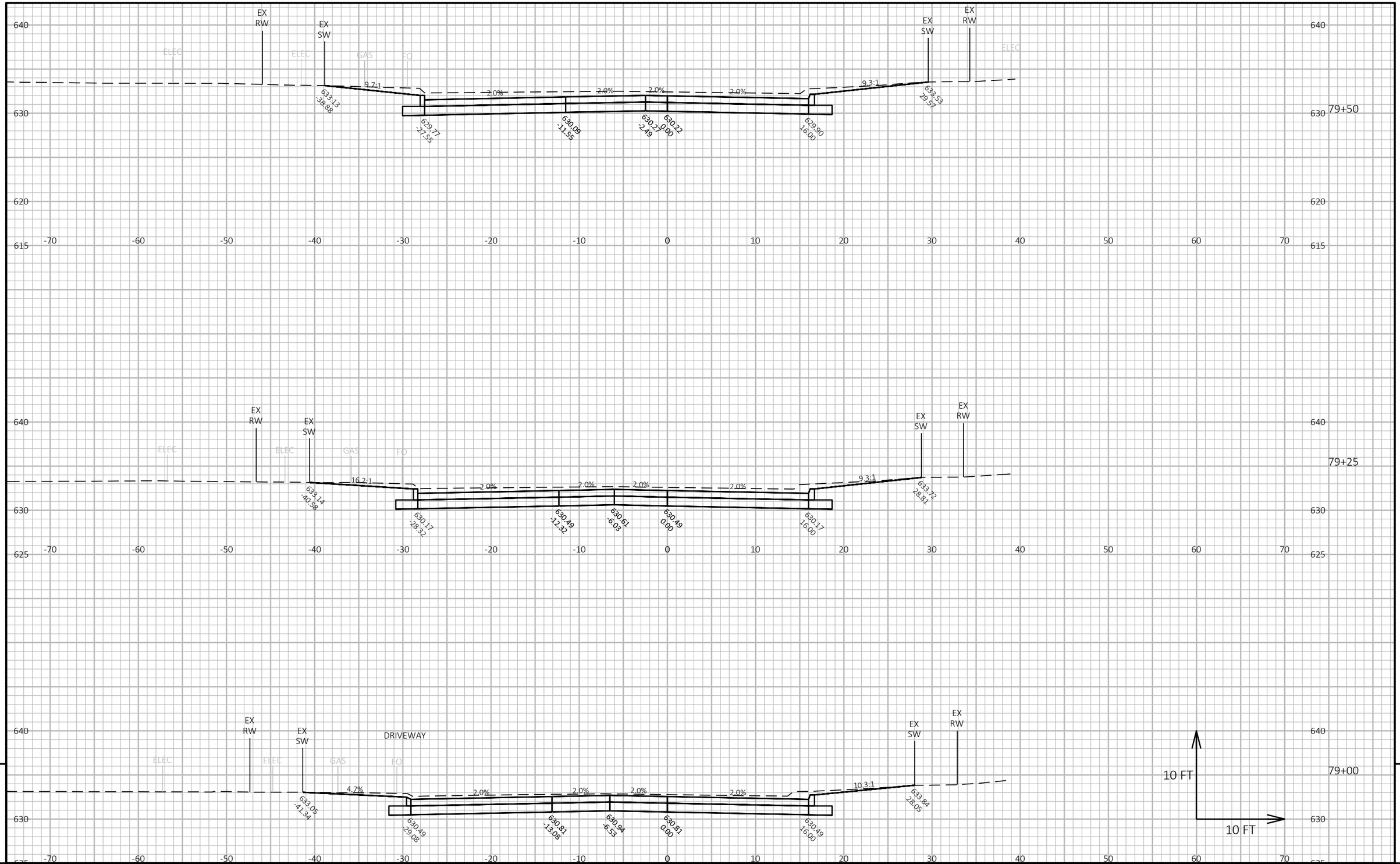
PLOT DATE : 9/8/2023 12:45 AM

PLOT BY : DOUGLAS HOBYAN

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: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 276	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 090205

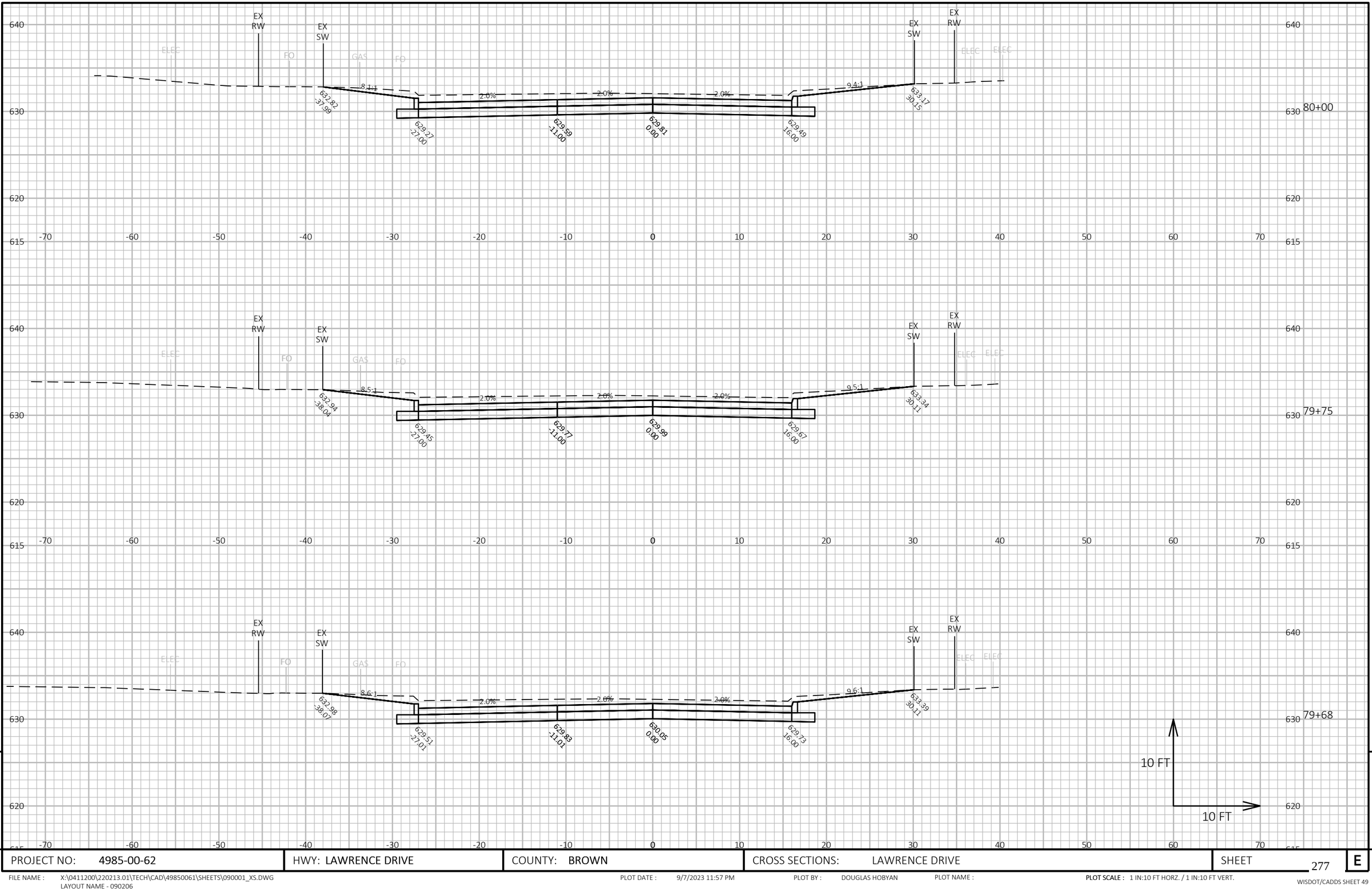
PLOT DATE : 9/7/2023 11:57 PM

PLOT BY : DOUGLAS HOBYAN

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: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 277	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 090206

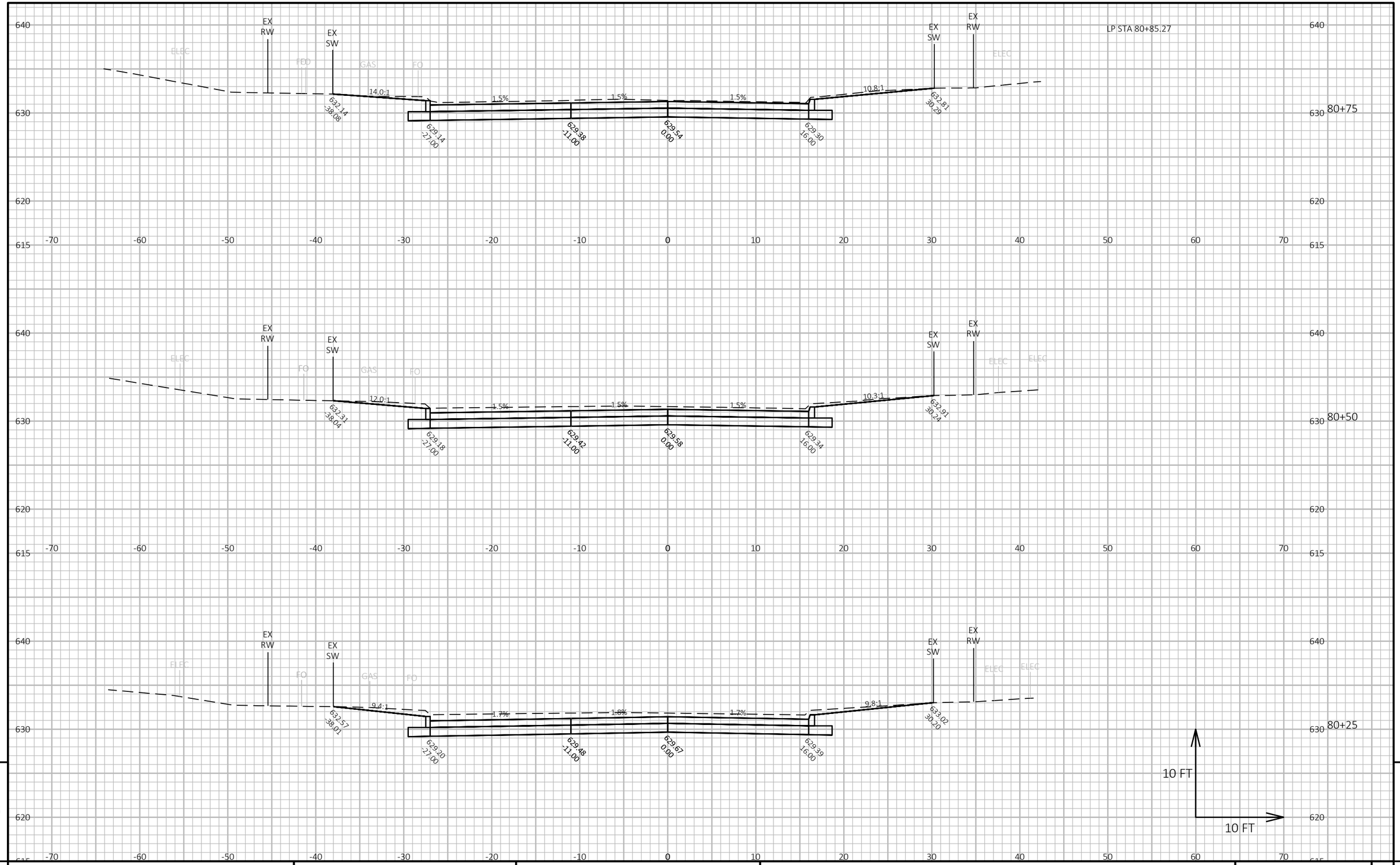
PLOT DATE : 9/7/2023 11:57 PM

PLOT BY : DOUGLAS HOBYAN

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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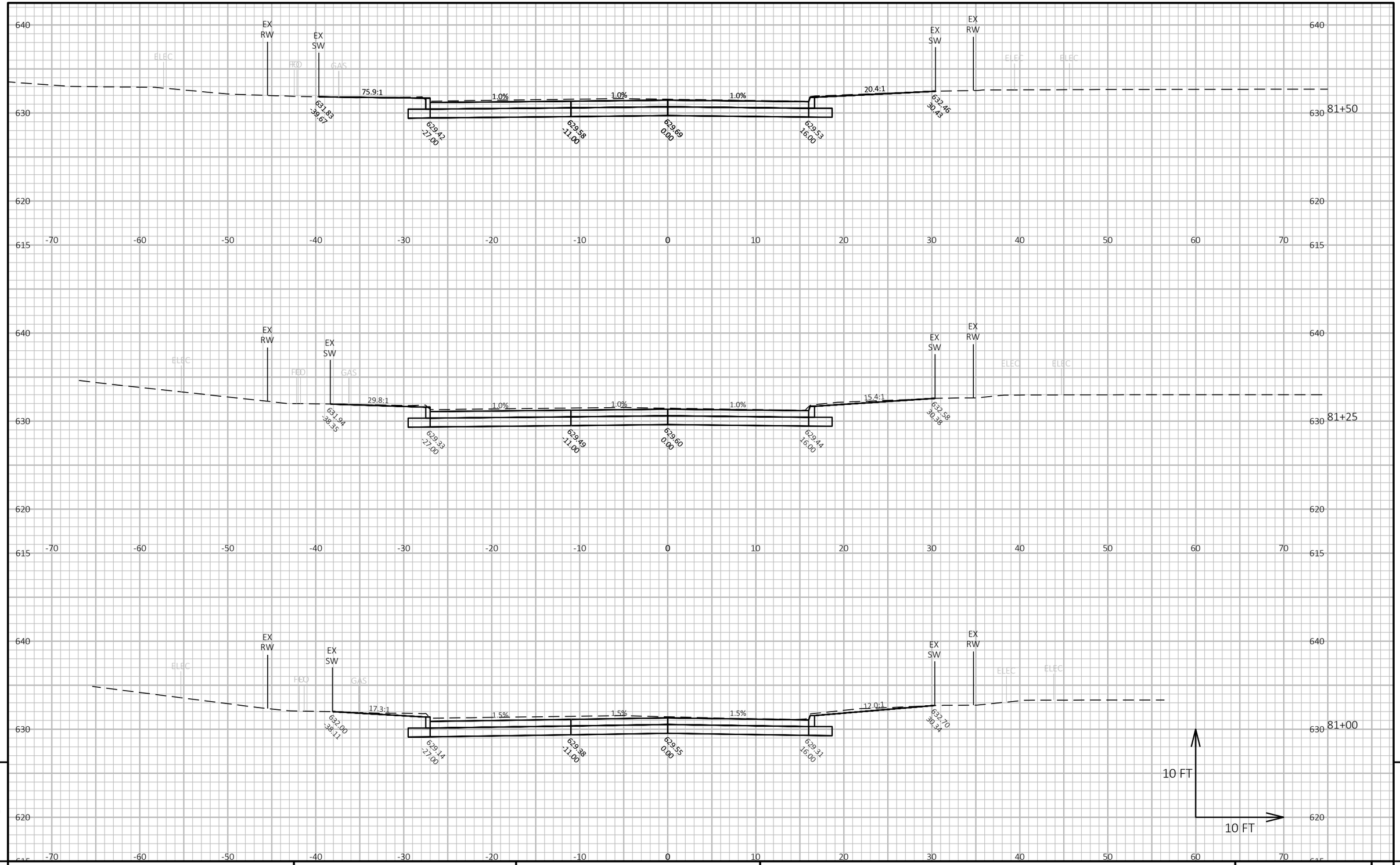
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PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 278	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 090207

PLOT DATE : 9/7/2023 11:58 PM PLOT BY : DOUGLAS HOBYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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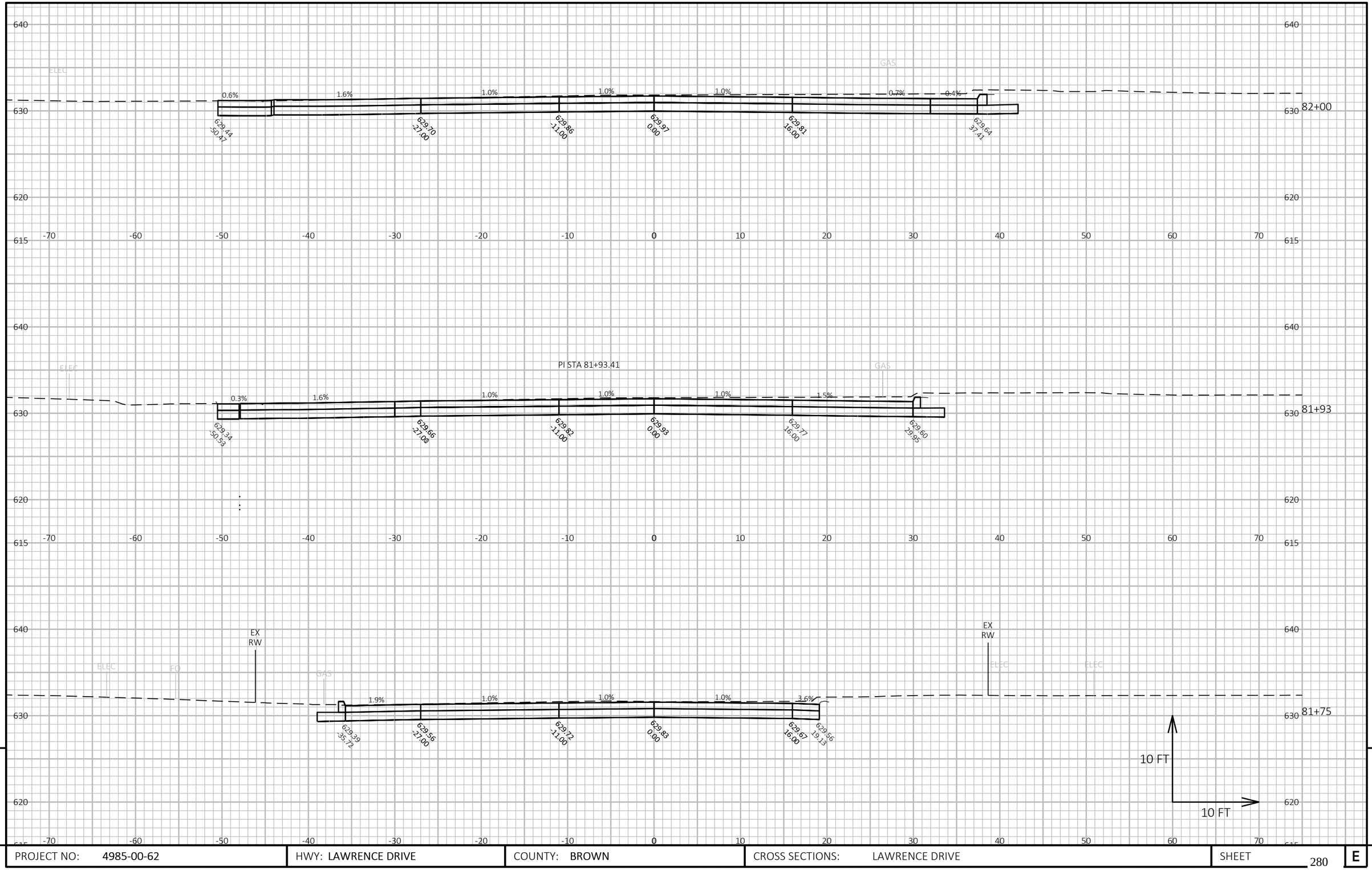
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PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 279	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 090208

PLOT DATE : 9/7/2023 11:58 PM PLOT BY : DOUGLAS HOBYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

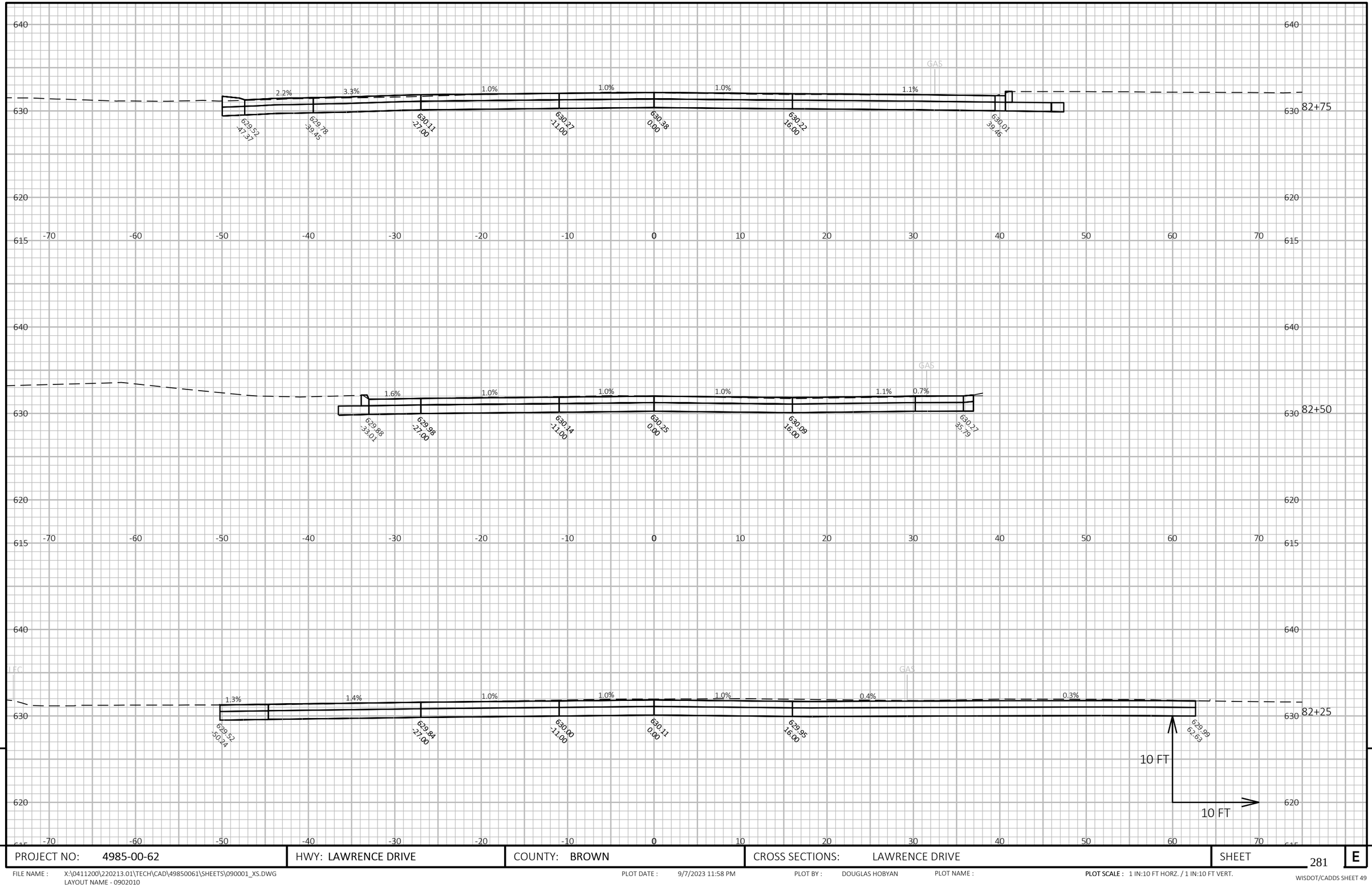


PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 280	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 090209

PLOT DATE : 9/7/2023 11:58 PM PLOT BY : DOUGLAS HOBYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

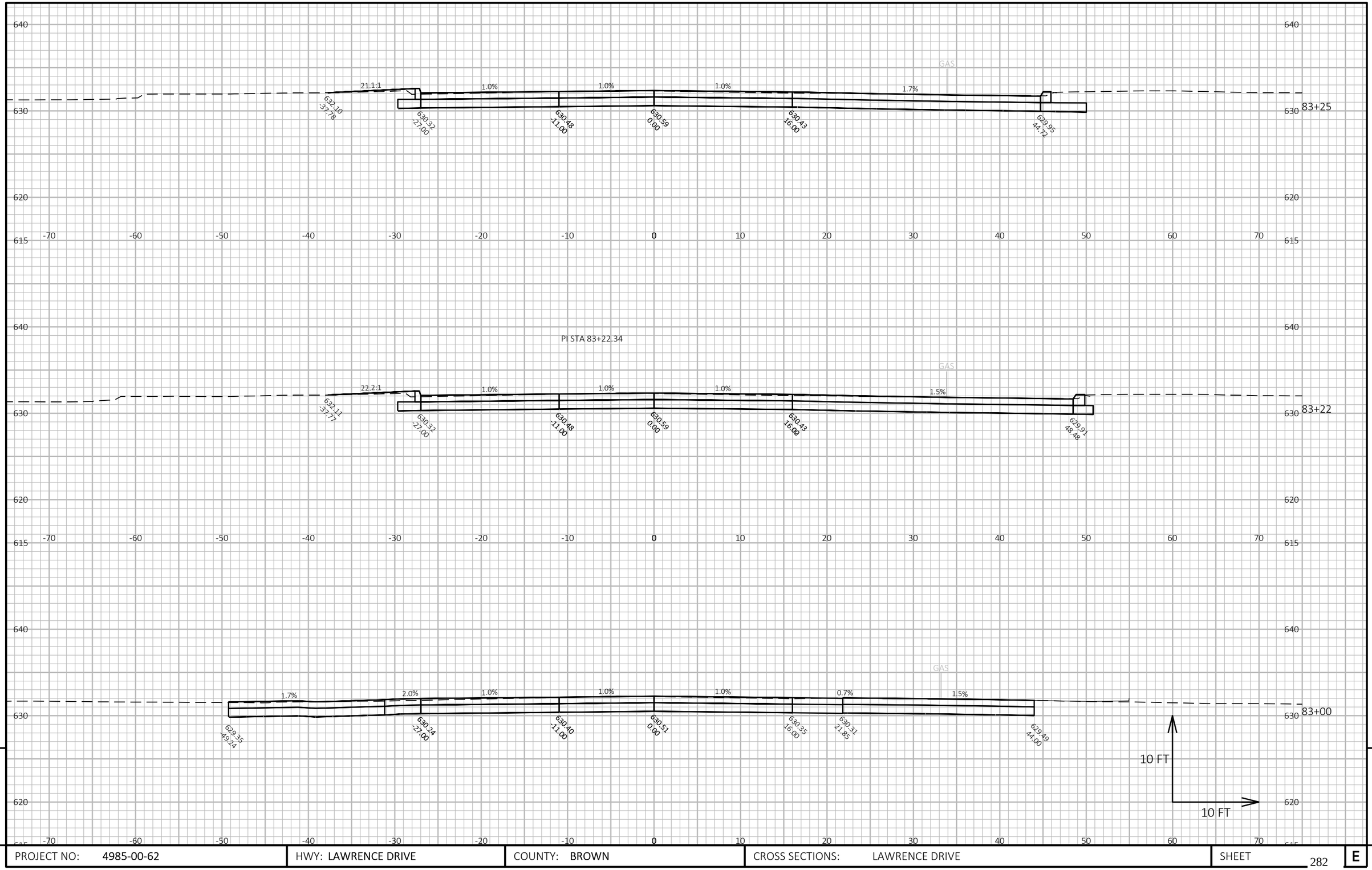


PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 281	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902010

PLOT DATE : 9/7/2023 11:58 PM PLOT BY : DOUGLAS HOBYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

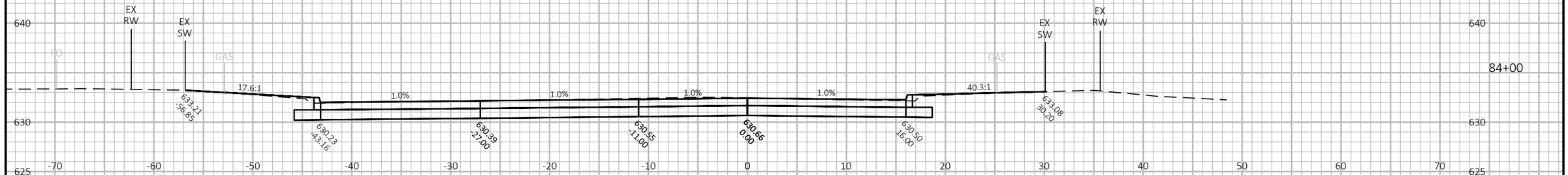
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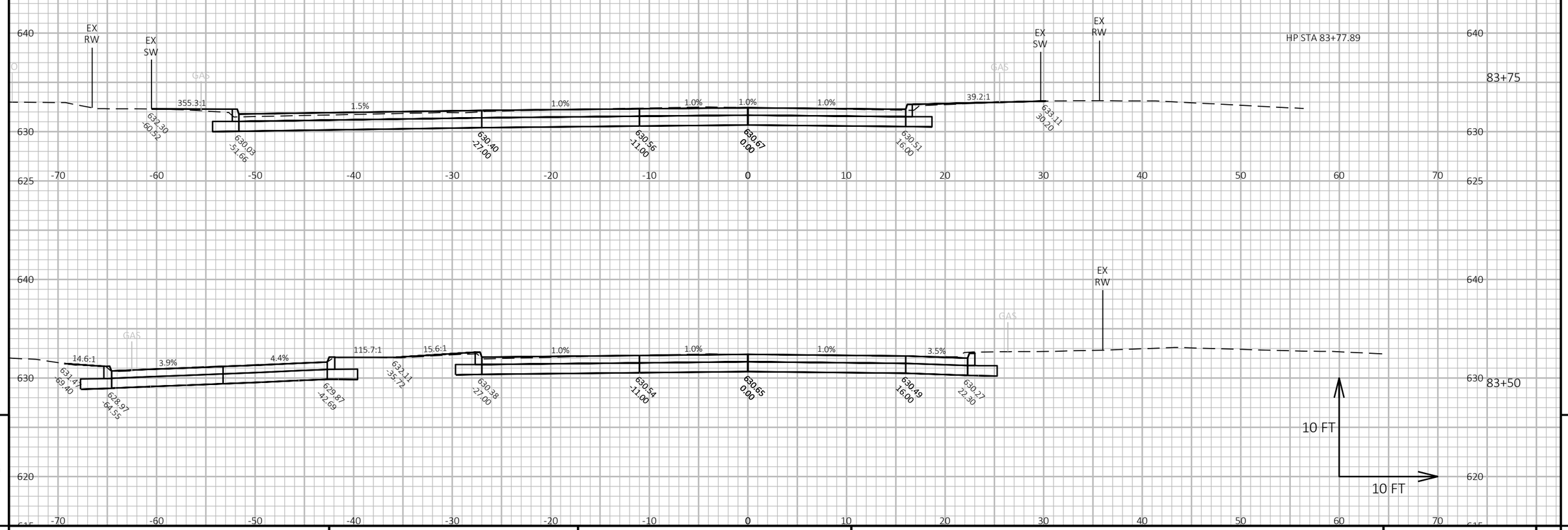
PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 282	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902011

PLOT DATE : 9/7/2023 11:58 PM PLOT BY : DOUGLAS HOBYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 283	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902012

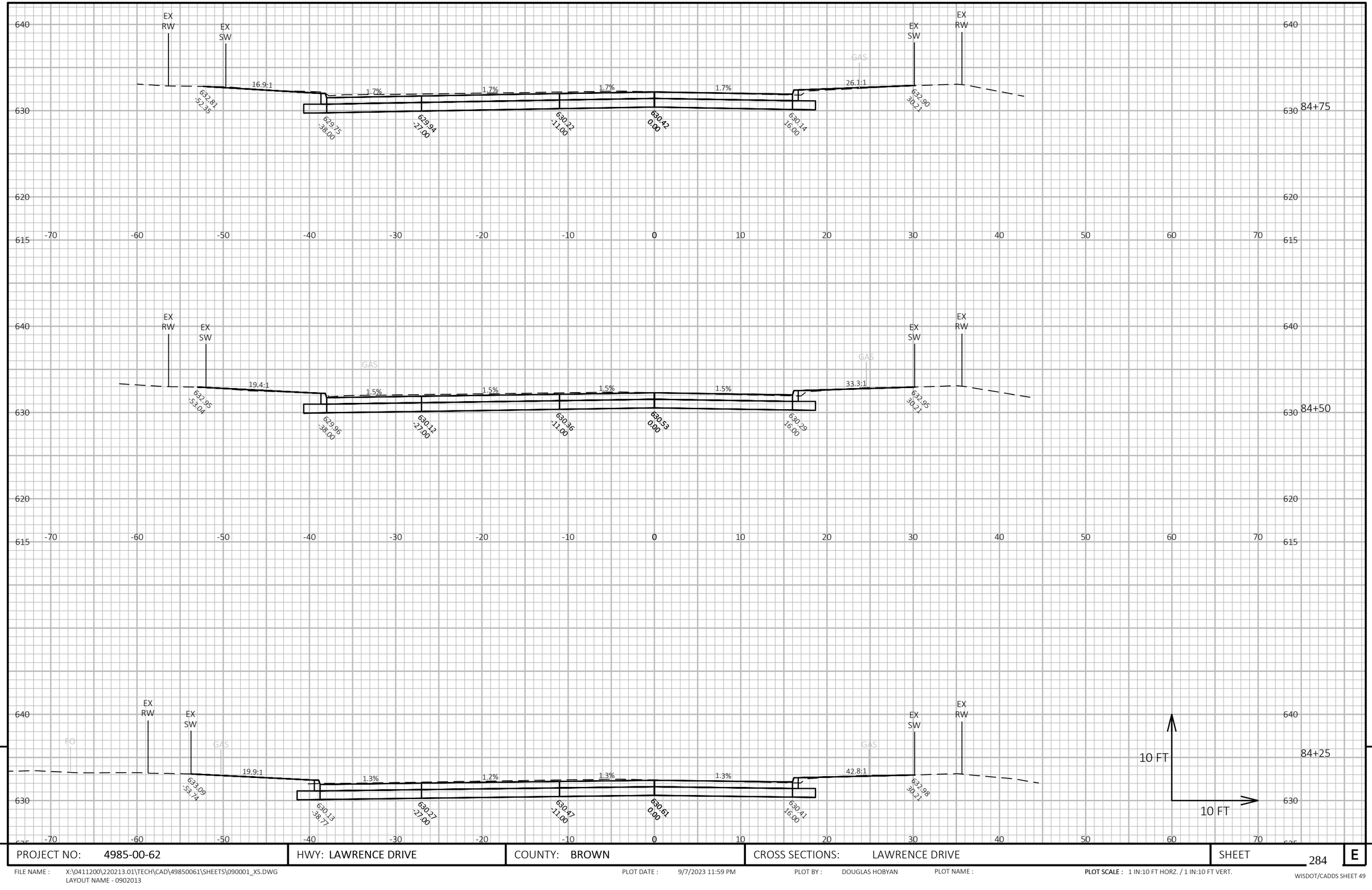
PLOT DATE : 9/8/2023 12:50 AM

PLOT BY : DOUGLAS HOBYAN

PLOT NAME :

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

WISDOT/CADDS SHEET 49



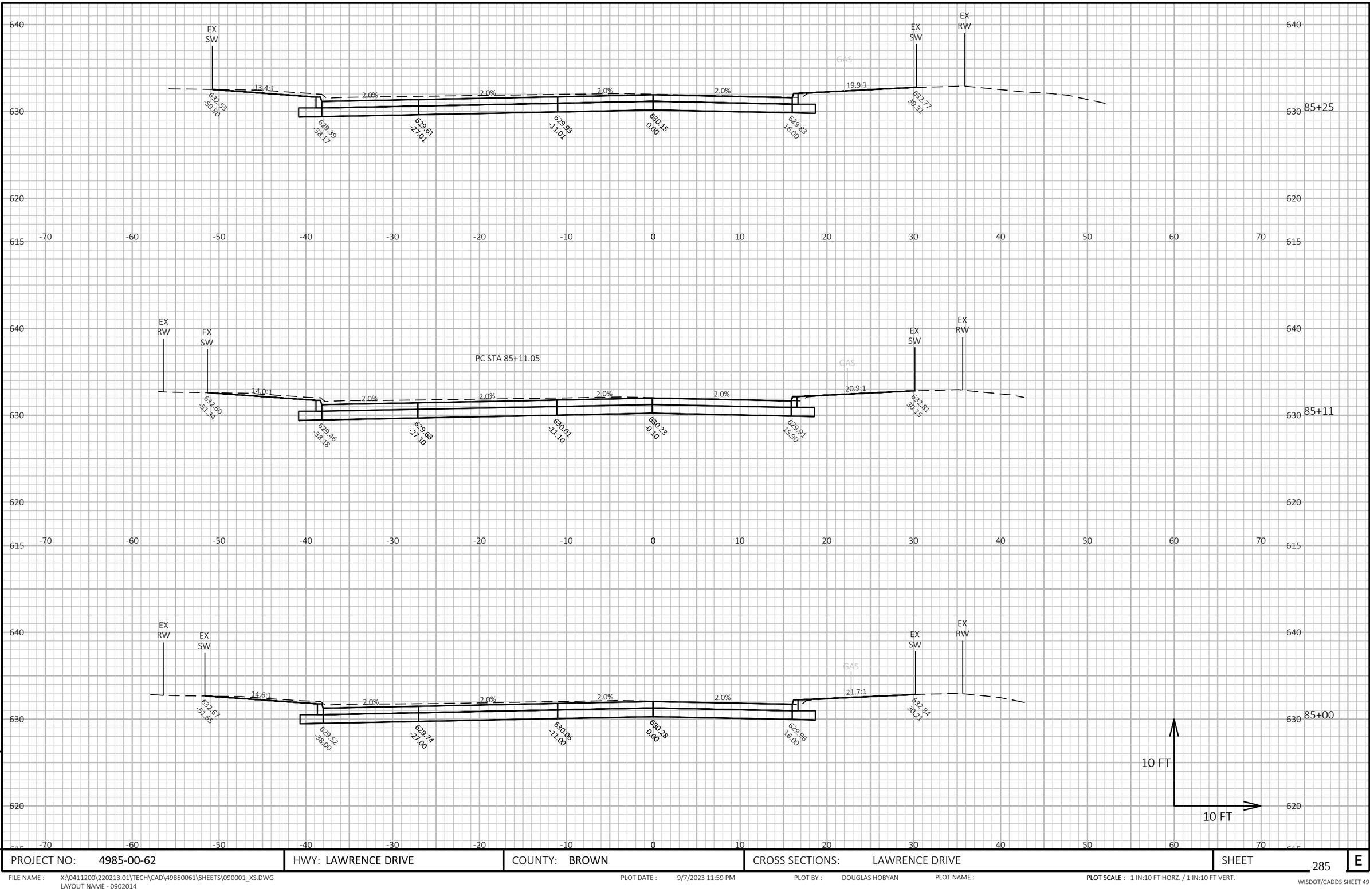
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PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 284	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902013

PLOT DATE : 9/7/2023 11:59 PM PLOT BY : DOUGLAS HOBYAN 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: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 285	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902014

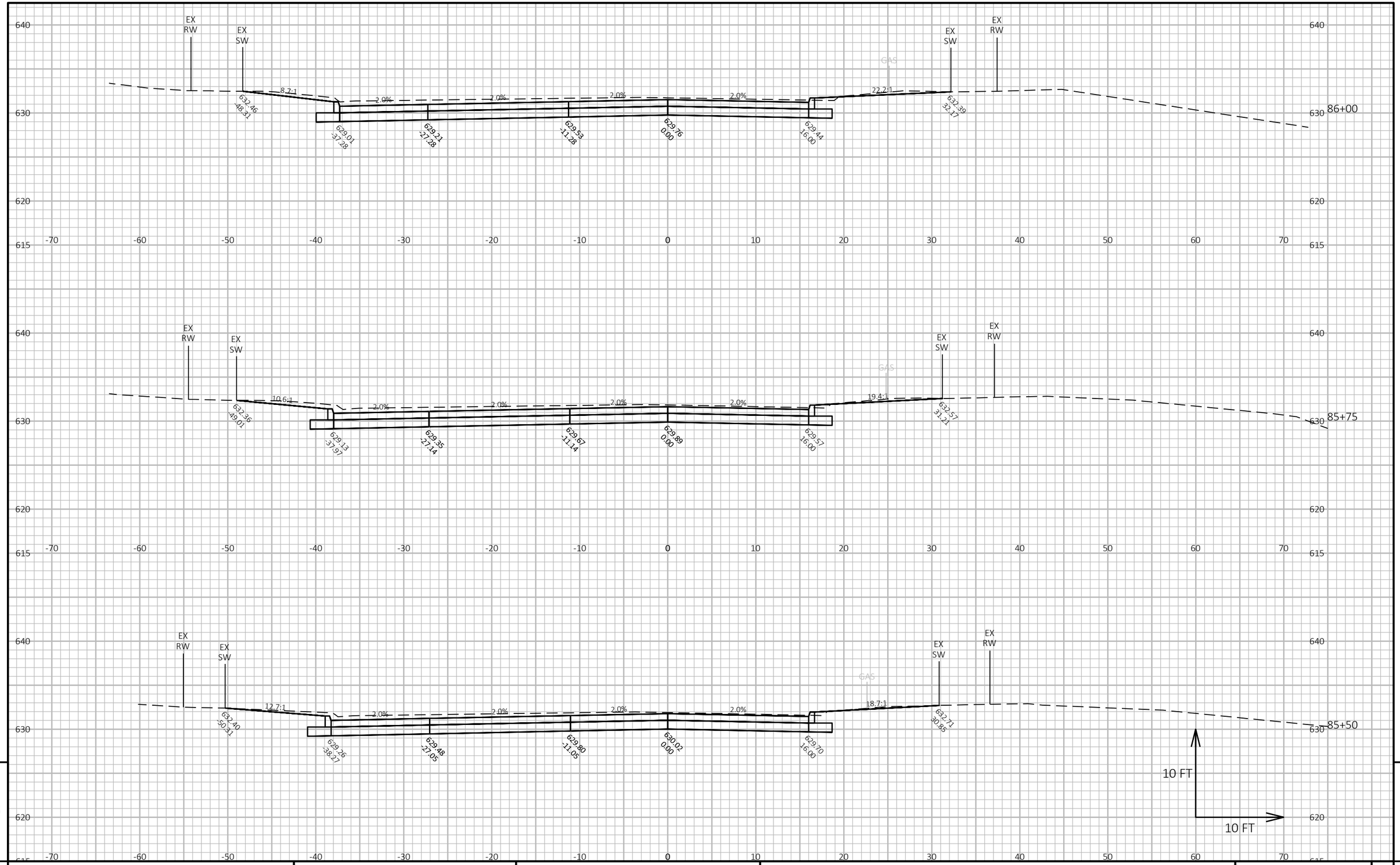
PLOT DATE : 9/7/2023 11:59 PM

PLOT BY : DOUGLAS HOBYAN

PLOT NAME :

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

WISDOT/CADDS SHEET 49

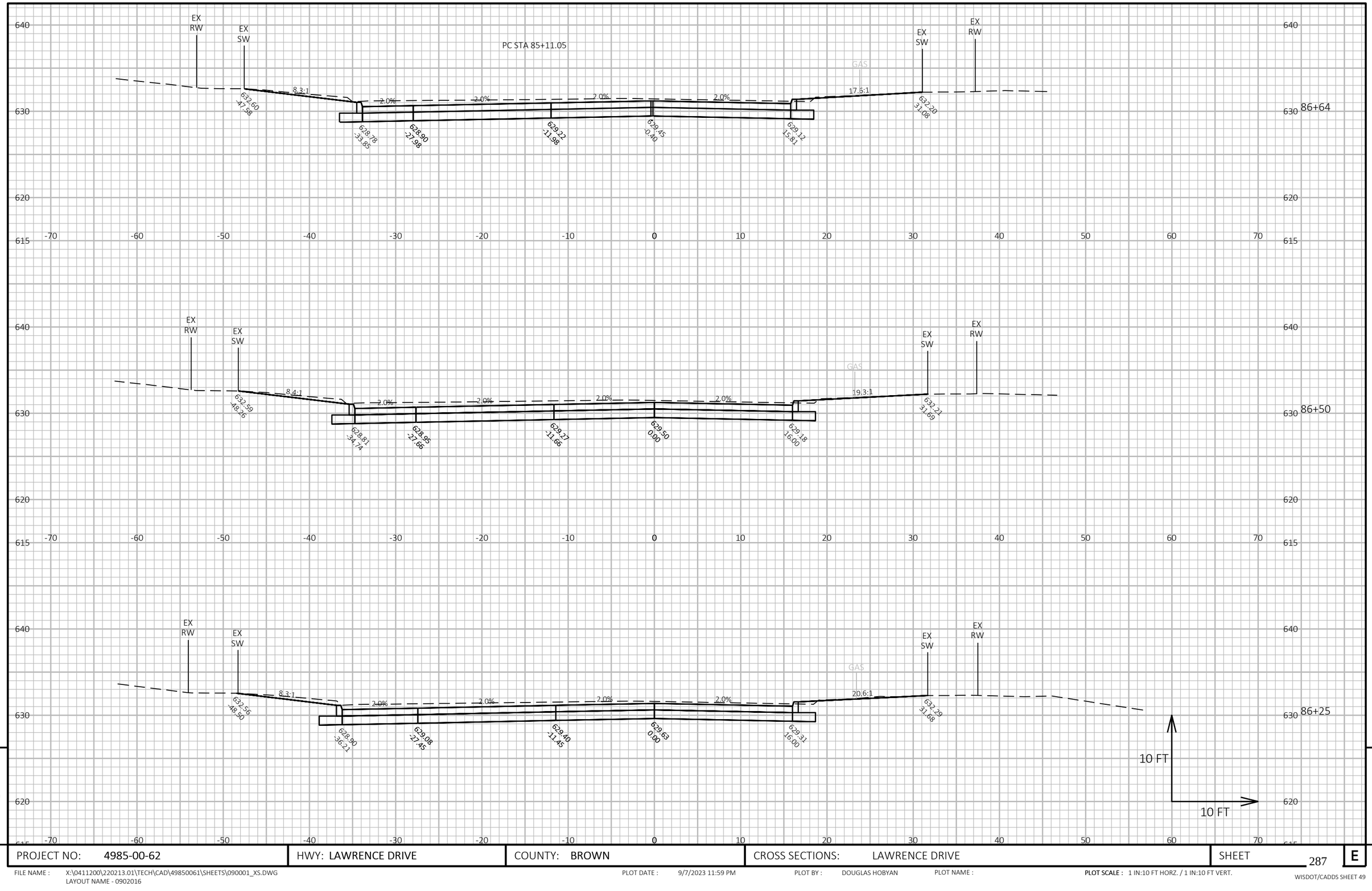


PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 286	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902015

PLOT DATE : 9/7/2023 11:59 PM PLOT BY : DOUGLAS HOBYAN 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: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 287	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902016

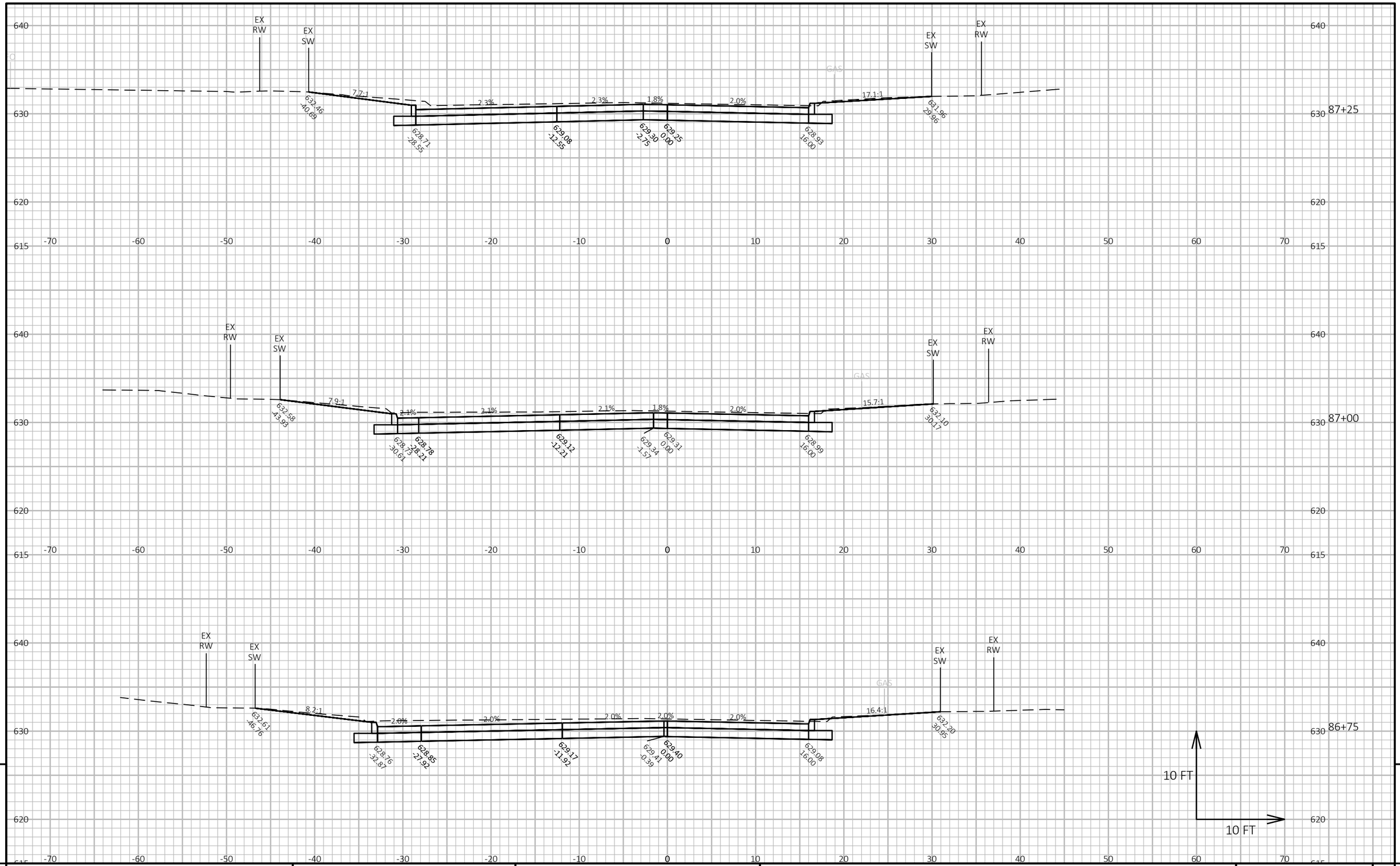
PLOT DATE : 9/7/2023 11:59 PM

PLOT BY : DOUGLAS HOBYAN

PLOT NAME :

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

WISDOT/CADDS SHEET 49



PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 288	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902017

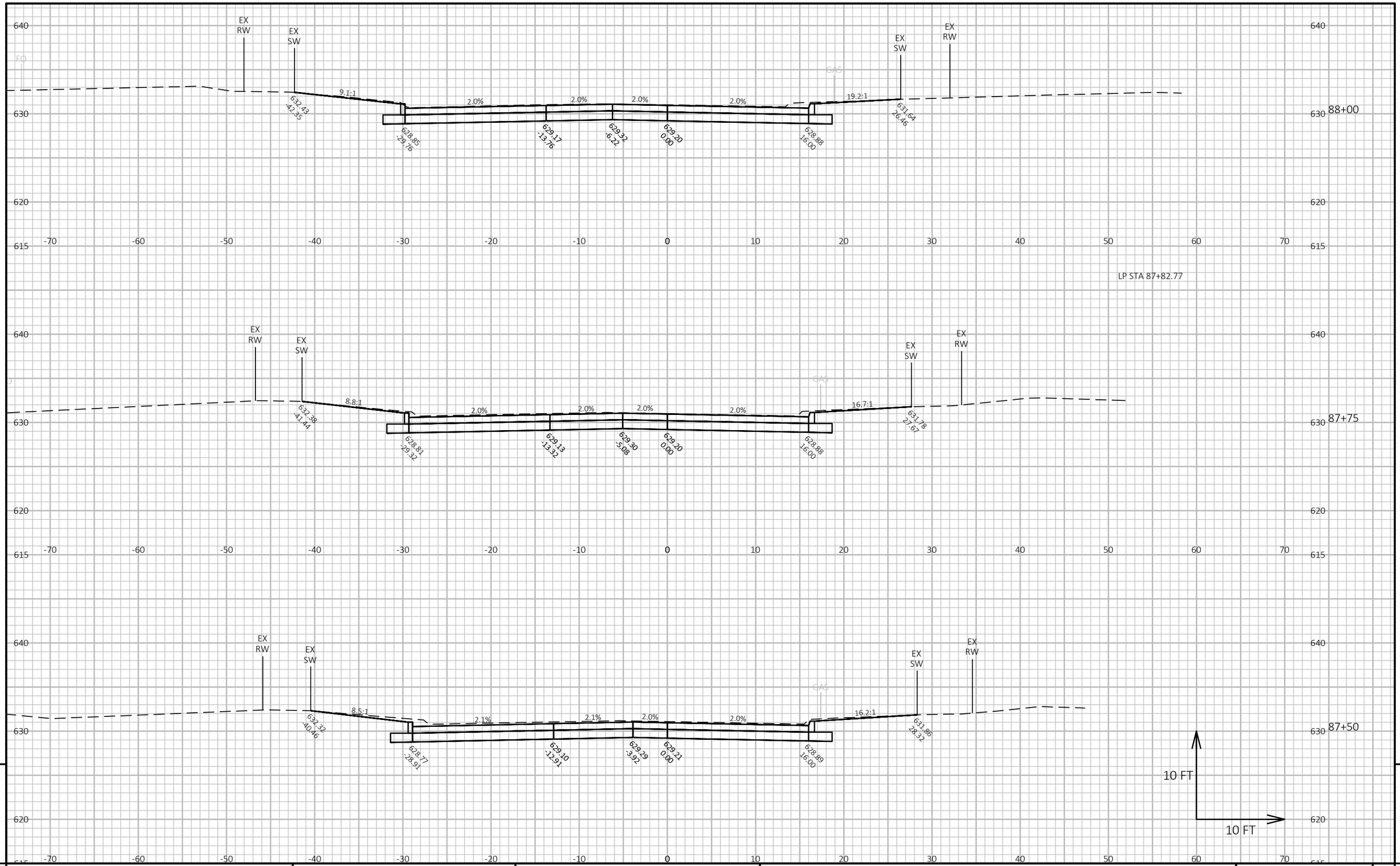
PLOT DATE : 9/7/2023 11:59 PM

PLOT BY : DOUGLAS HOBYAN

PLOT NAME :

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

WISDOT/CADDS SHEET 49



PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 289	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902018

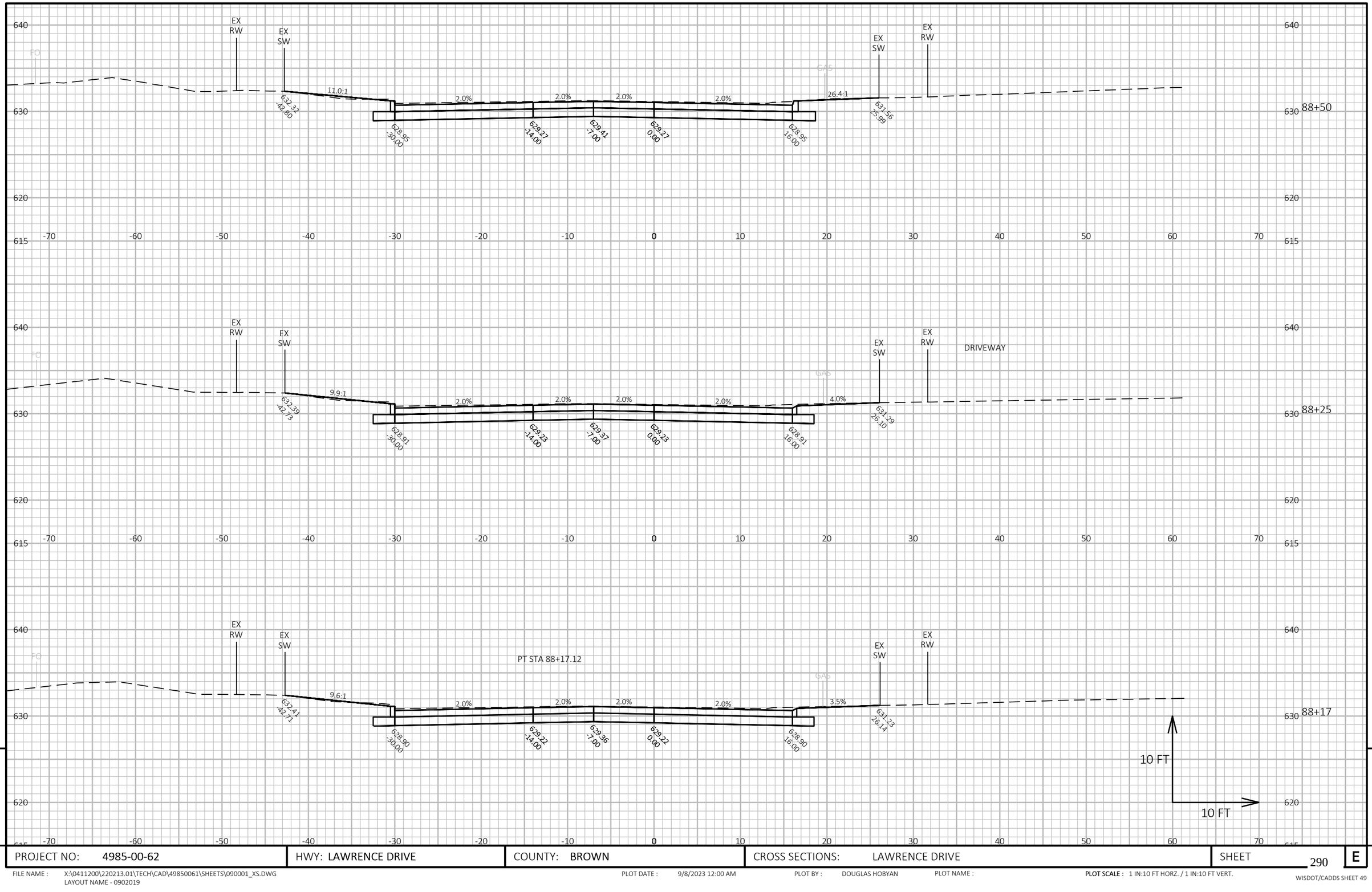
PLOT DATE : 9/7/2023 11:59 PM

PLOT BY : DOUGLAS HOBYAN

PLOT NAME :

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

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 290	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902019

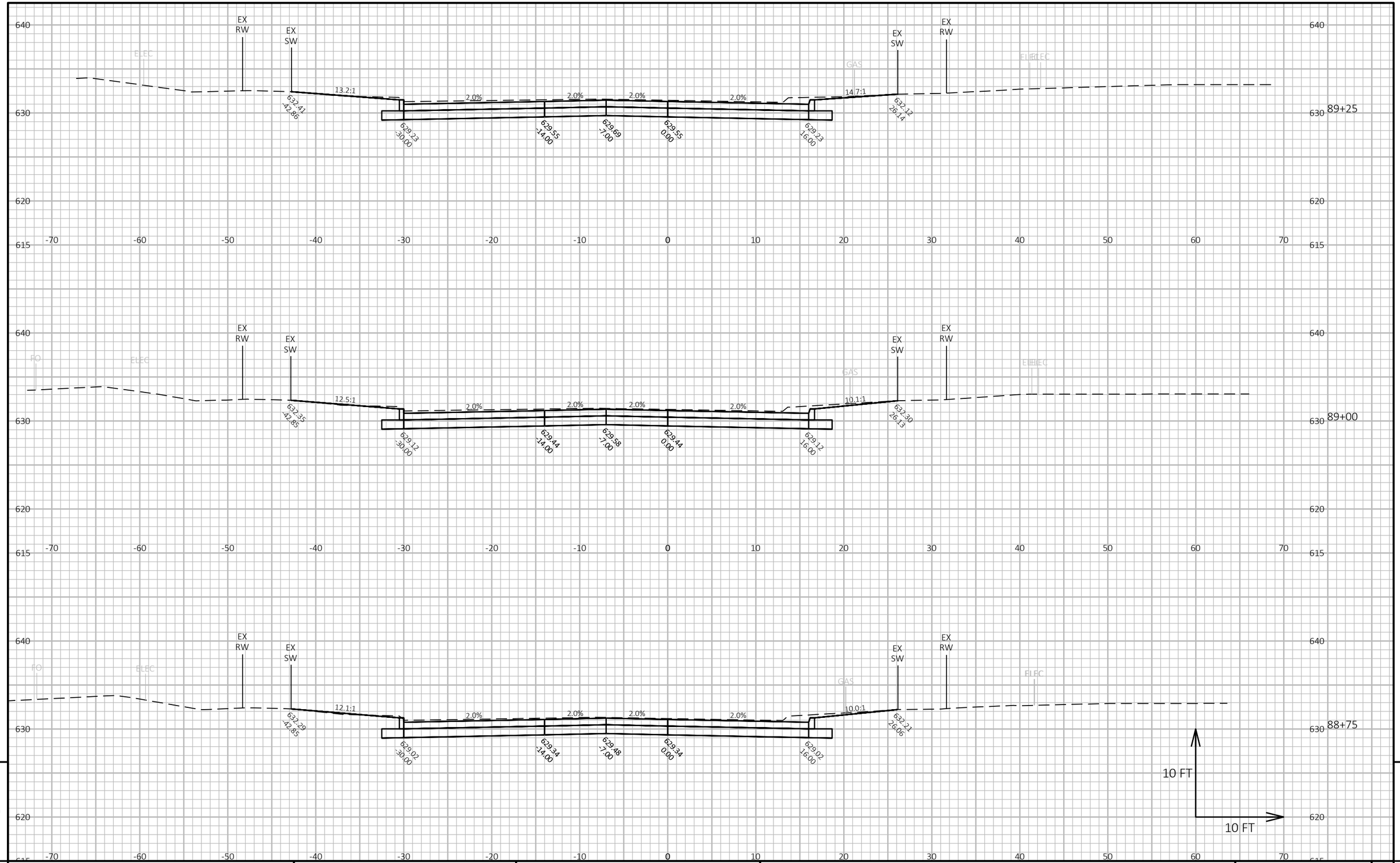
PLOT DATE : 9/8/2023 12:00 AM

PLOT BY : DOUGLAS HOBYAN

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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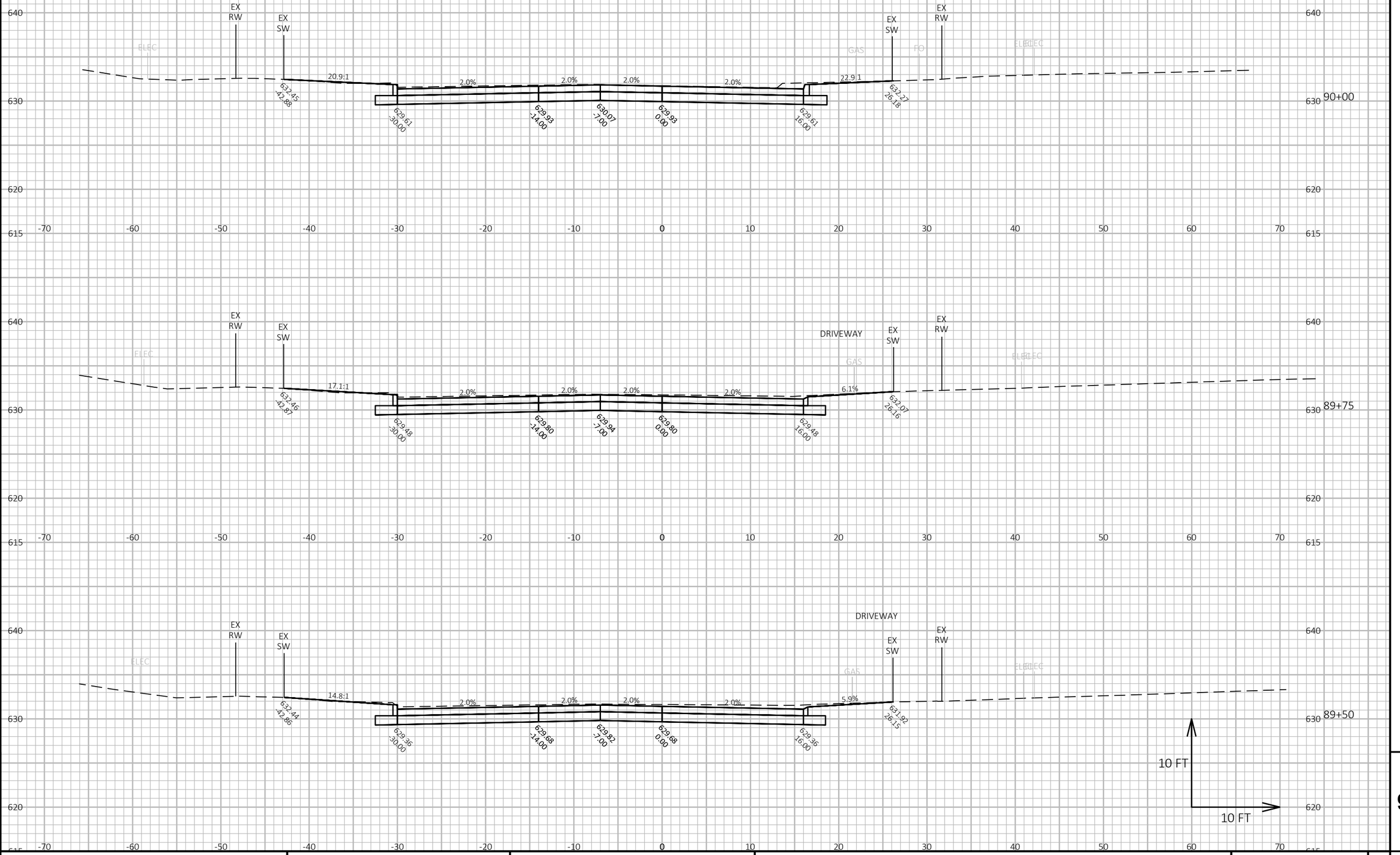
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PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 291	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902020

PLOT DATE : 9/8/2023 12:00 AM PLOT BY : DOUGLAS HOBYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



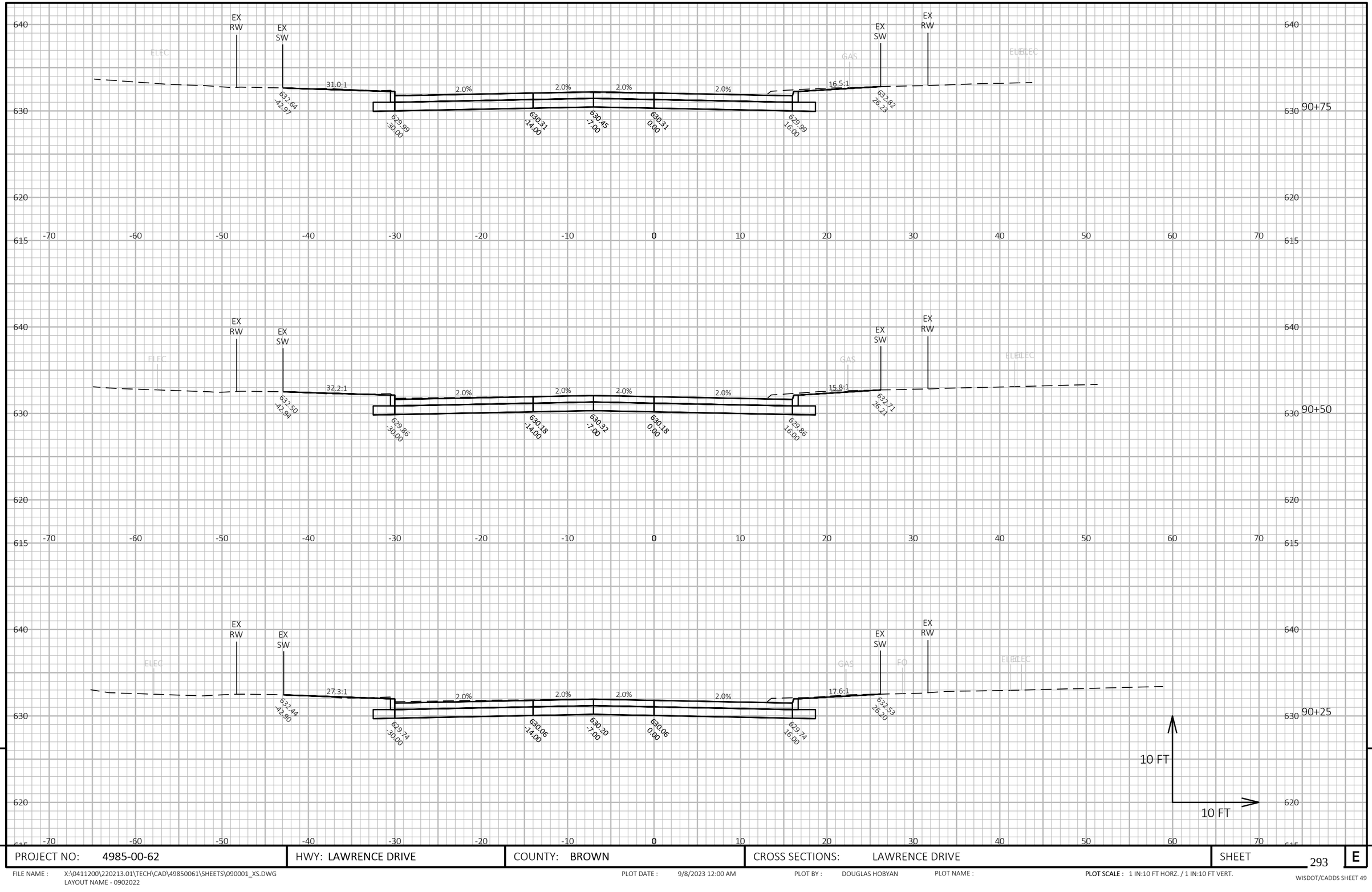
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PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 292	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902021

PLOT DATE : 9/8/2023 12:00 AM PLOT BY : DOUGLAS HOBYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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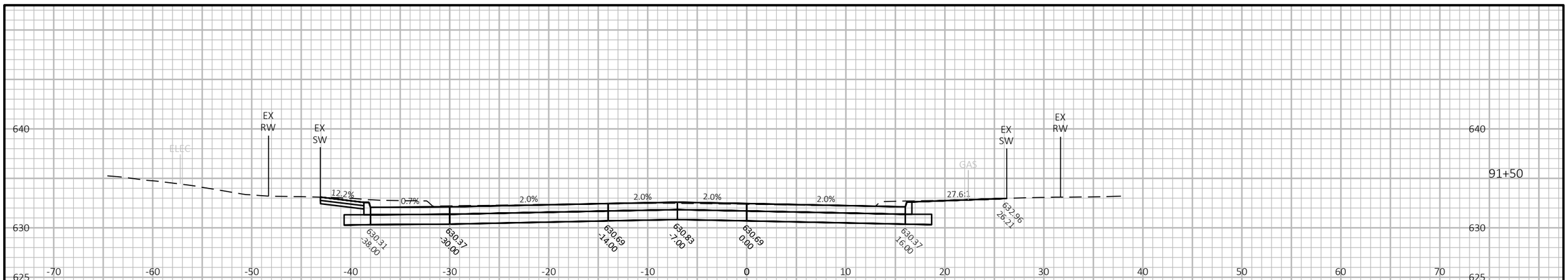
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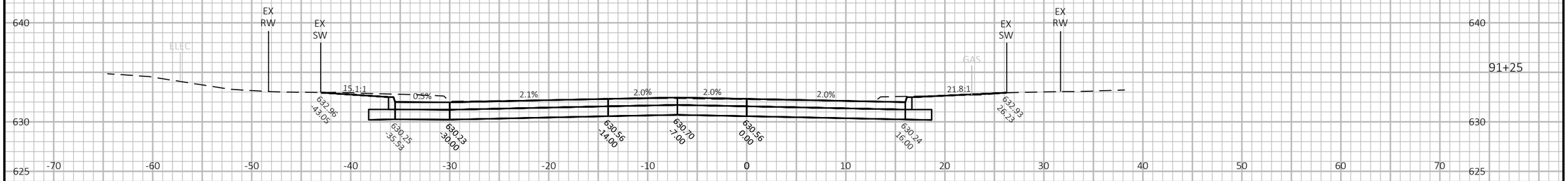
PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 293	E

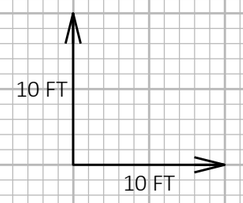
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LAYOUT NAME - 0902022

PLOT DATE : 9/8/2023 12:00 AM PLOT BY : DOUGLAS HOBYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 294	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902023

PLOT DATE : 9/8/2023 12:00 AM

PLOT BY : DOUGLAS HOBYAN

PLOT NAME :

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

WISDOT/CADDS SHEET 49

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PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 295	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902024

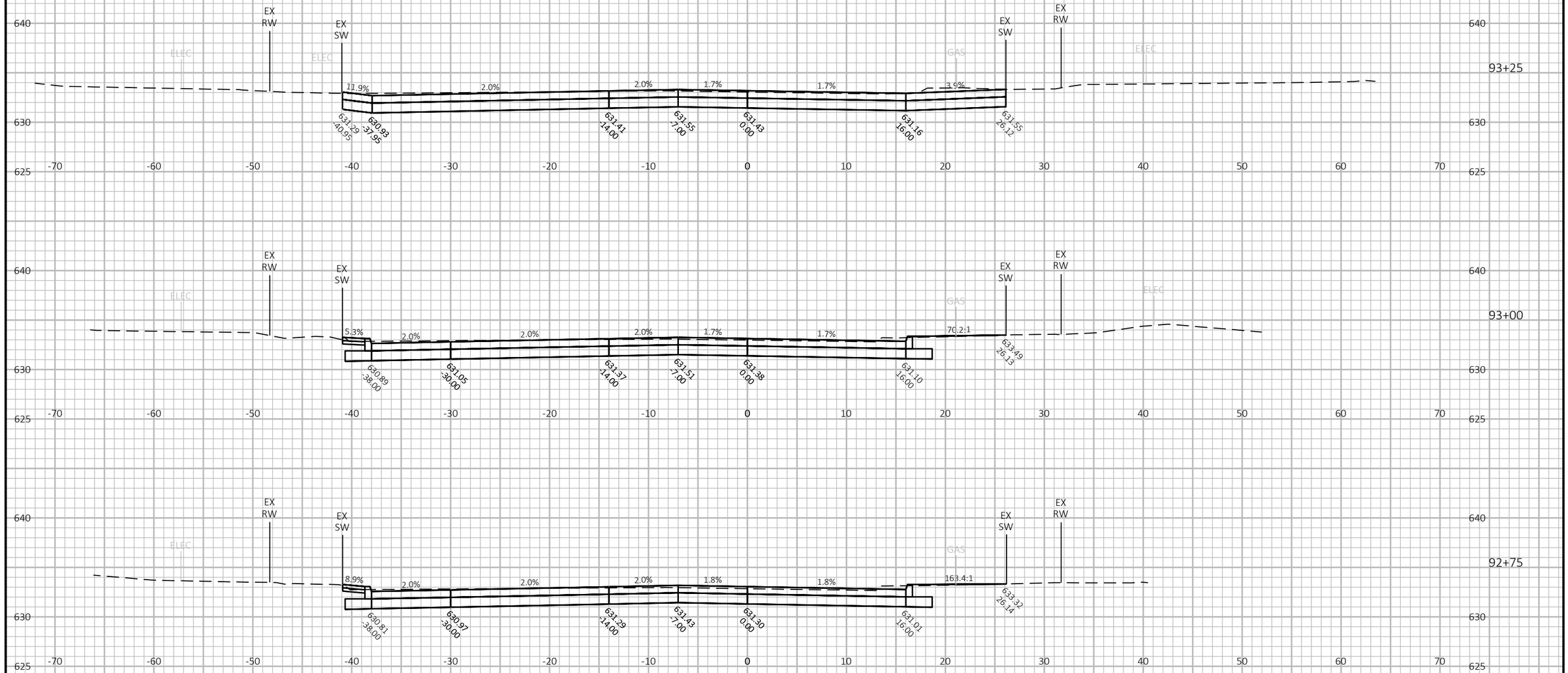
PLOT DATE : 9/8/2023 12:01 AM

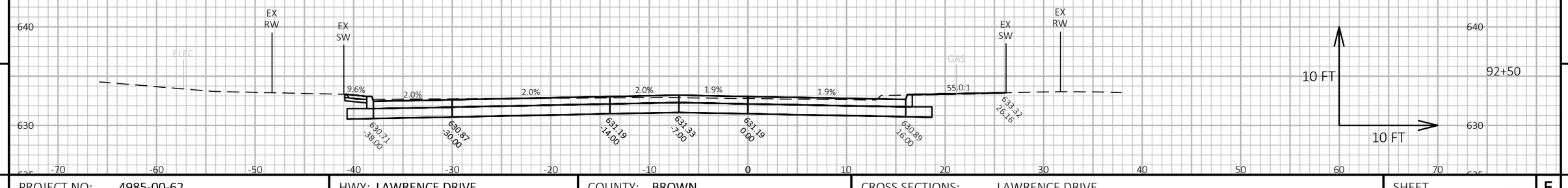
PLOT BY : DOUGLAS HOBYAN

PLOT NAME :

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

WISDOT/CADDS SHEET 49





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PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 296	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902025

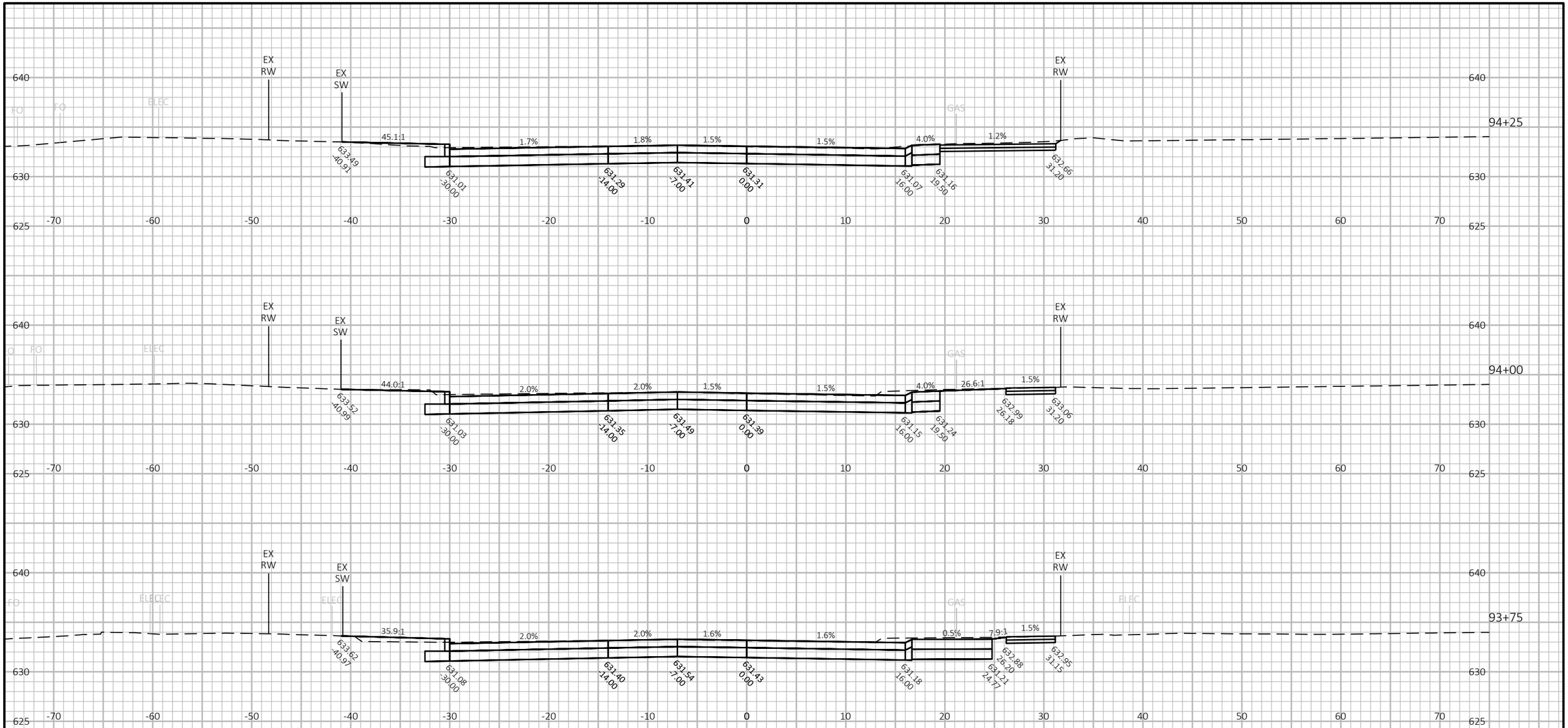
PLOT DATE : 9/8/2023 12:01 AM

PLOT BY : DOUGLAS HOBYAN

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 297	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902026

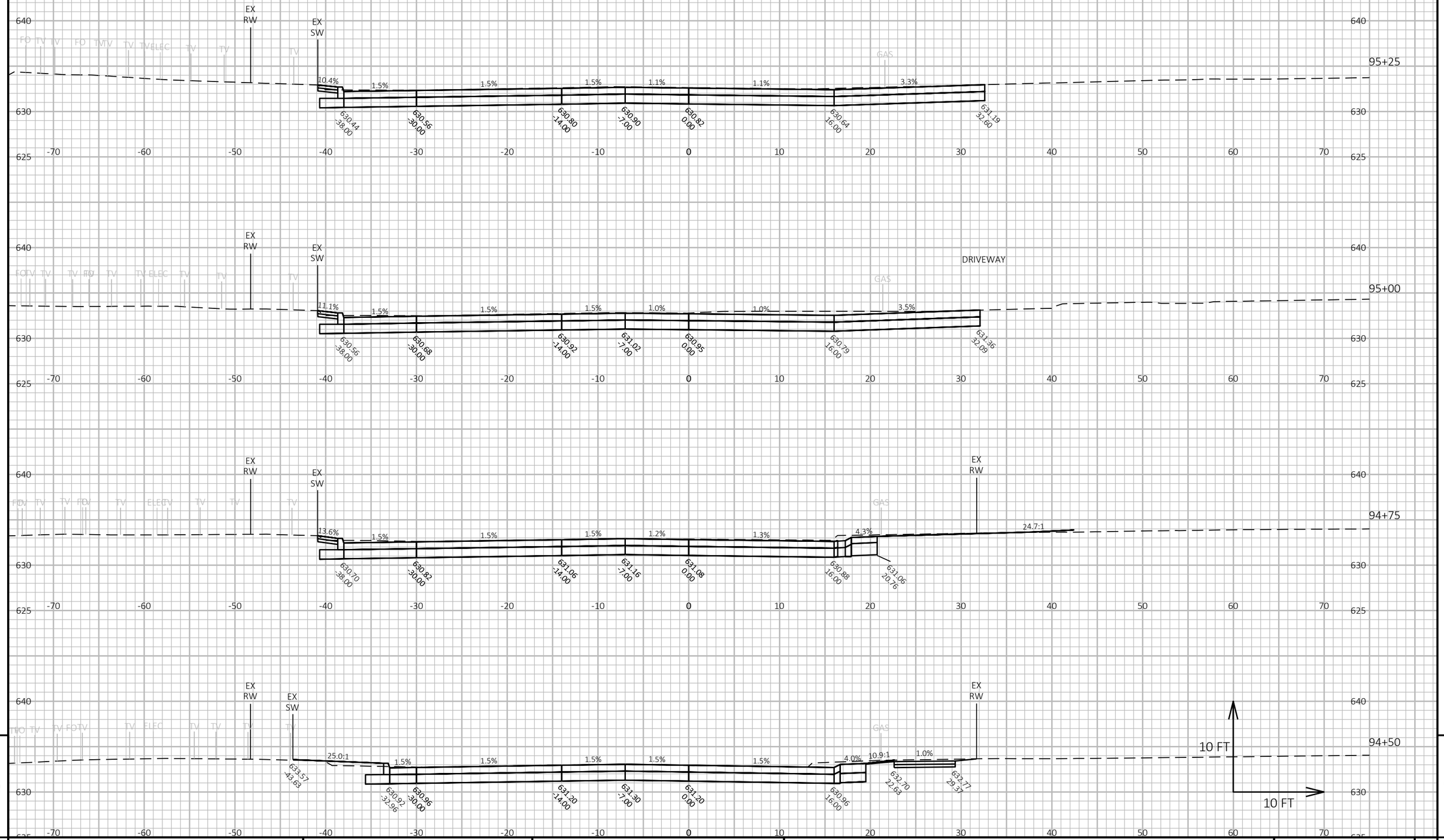
PLOT DATE : 9/8/2023 12:01 AM

PLOT BY : DOUGLAS HOBYAN

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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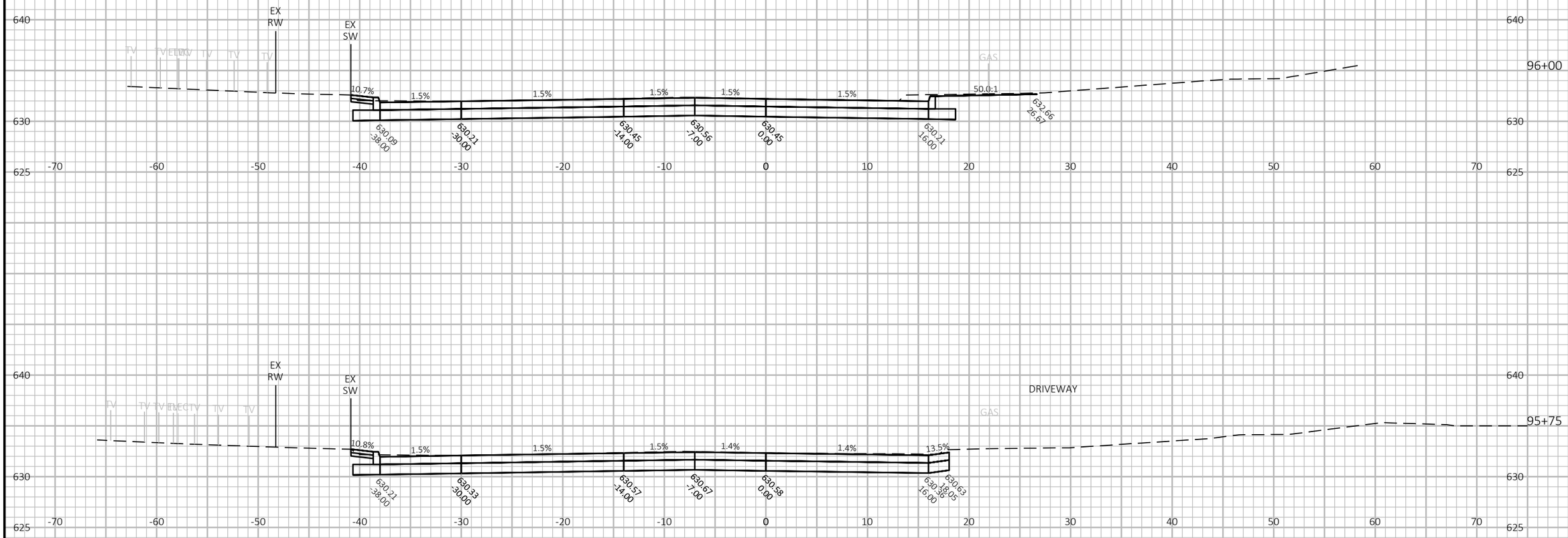
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PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 298	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902027

PLOT DATE : 9/8/2023 12:01 AM PLOT BY : DOUGLAS HOBYAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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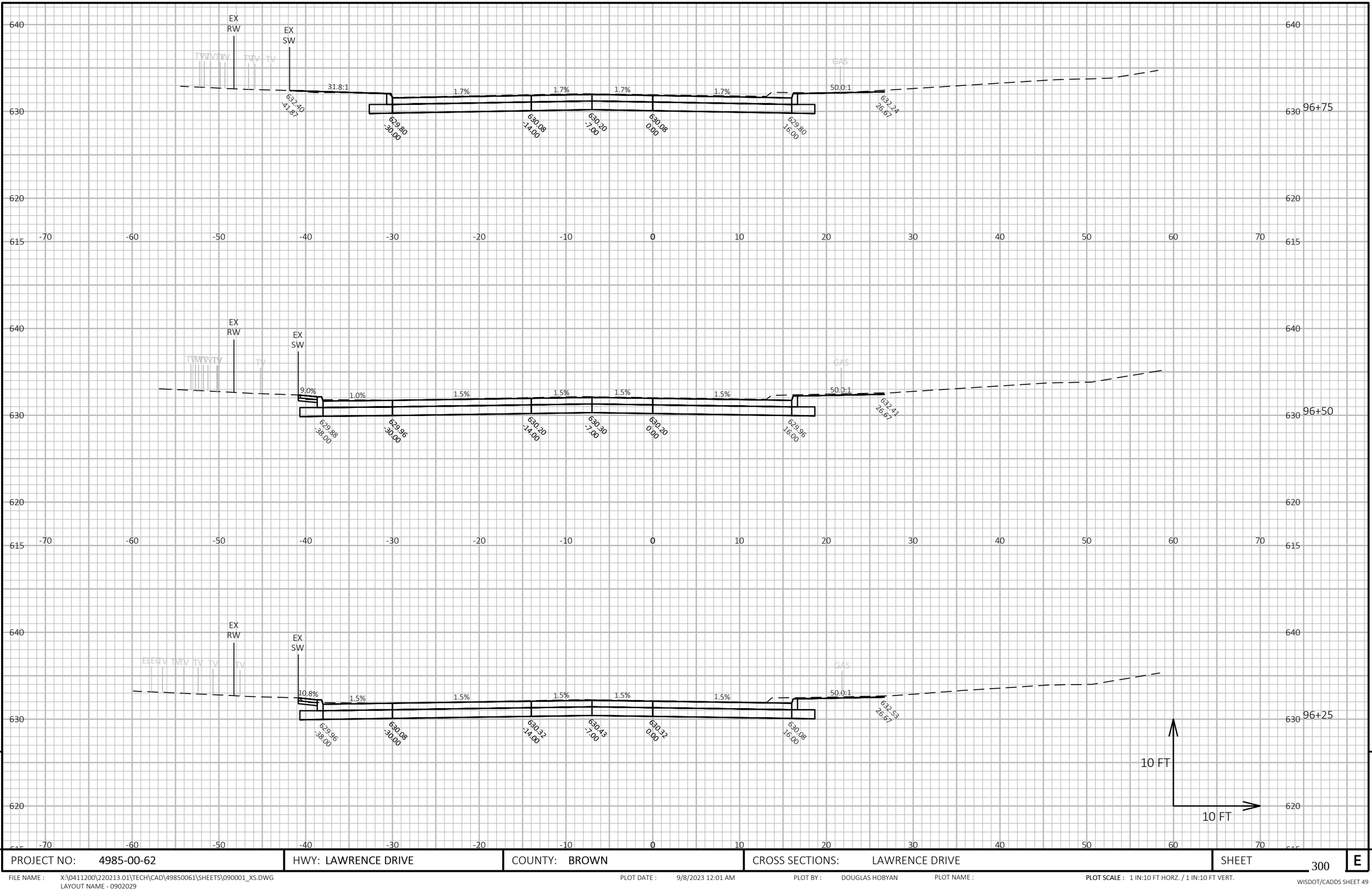
PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 299	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902028

PLOT DATE : 9/8/2023 12:01 AM PLOT BY : DOUGLAS HOBYAN PLOT NAME :

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

WISDOT/CADDS SHEET 49



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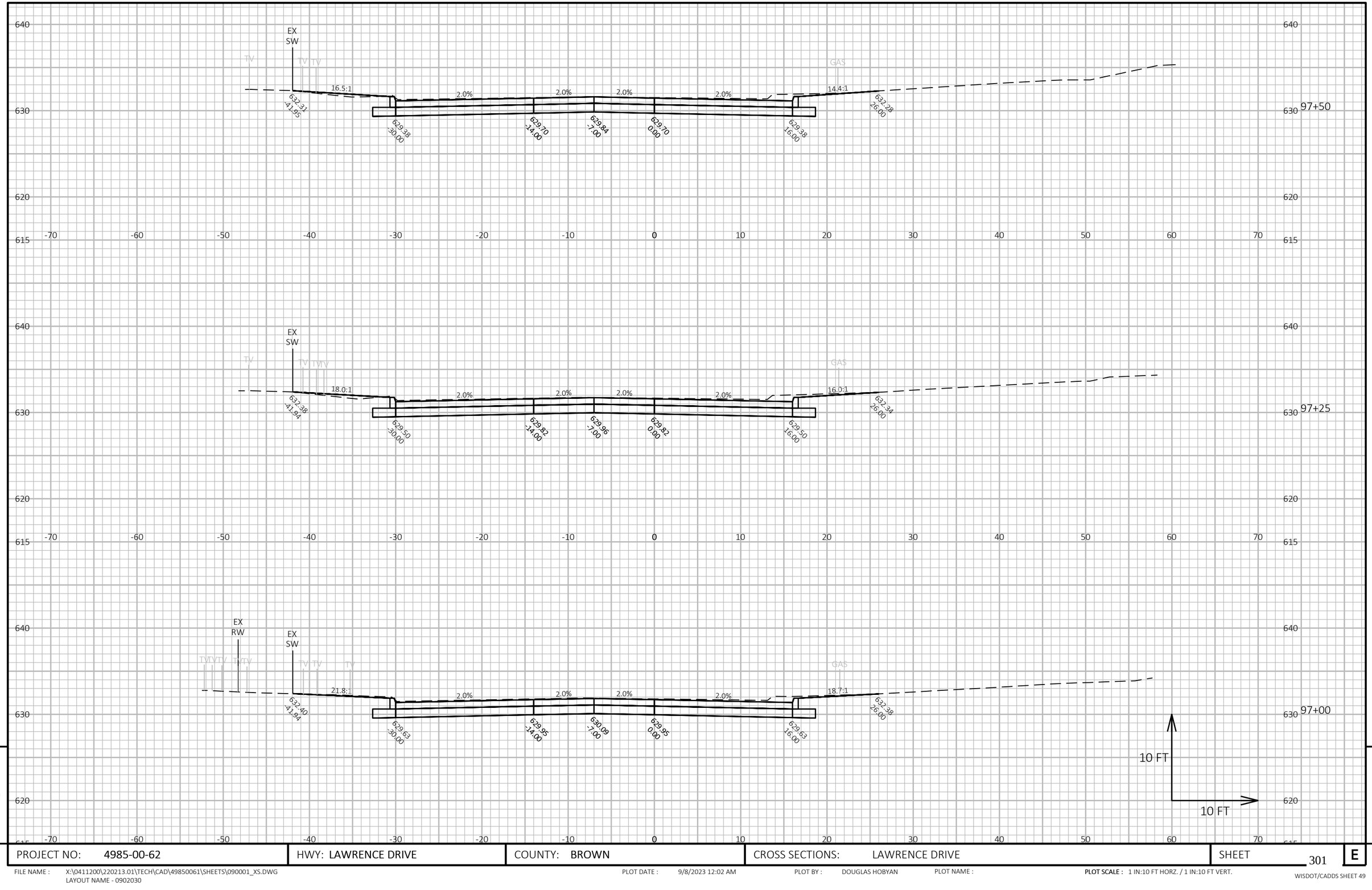
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PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 300	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902029

PLOT DATE : 9/8/2023 12:01 AM PLOT BY : DOUGLAS HOBYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

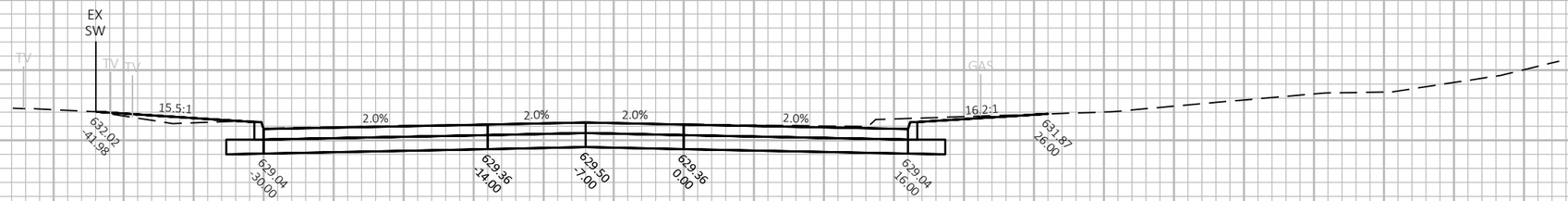
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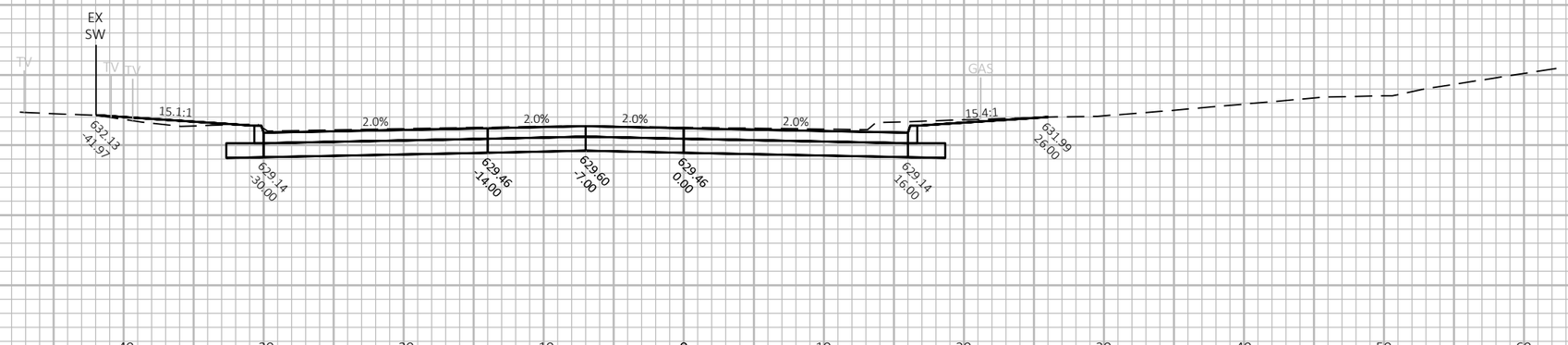
PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 301	E

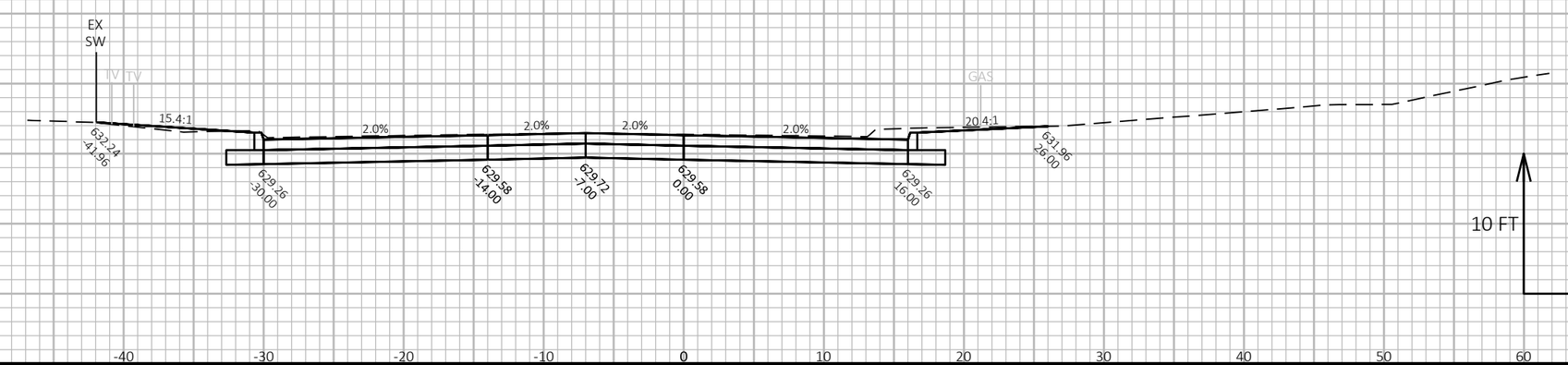
FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902030

PLOT DATE : 9/8/2023 12:02 AM PLOT BY : DOUGLAS HOBYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 302	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902031

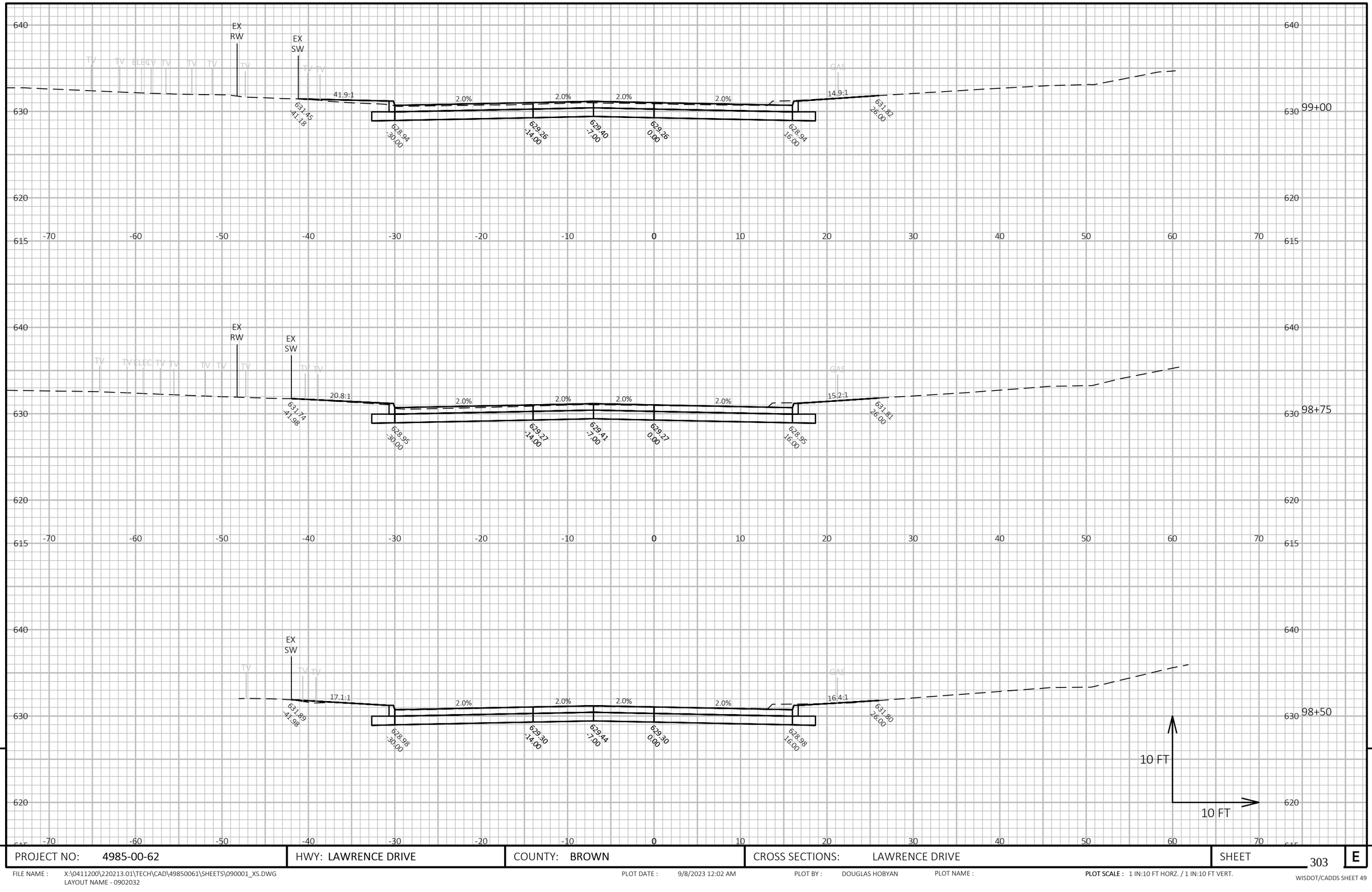
PLOT DATE : 9/8/2023 12:02 AM

PLOT BY : DOUGLAS HOBYAN

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 303	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902032

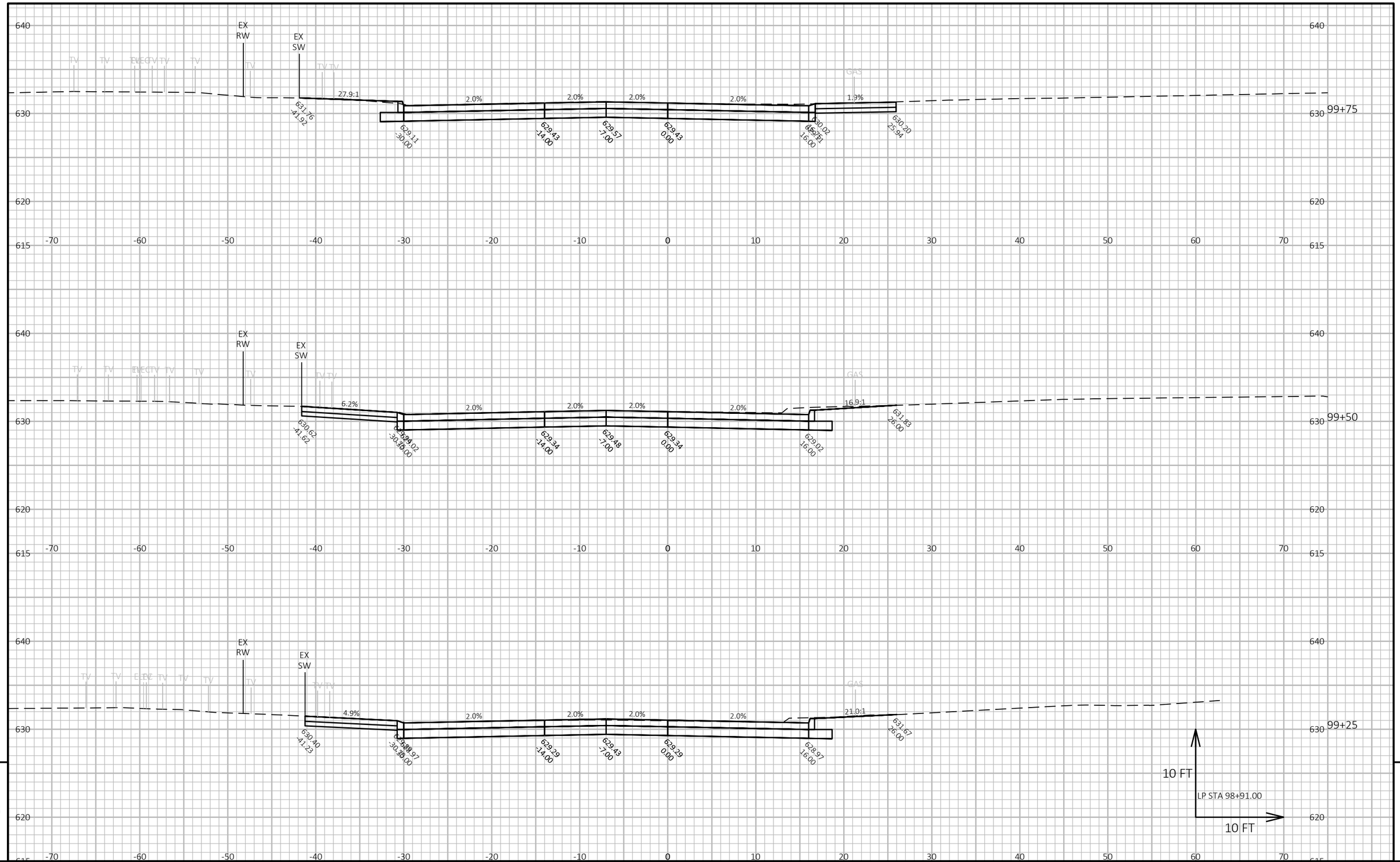
PLOT DATE : 9/8/2023 12:02 AM

PLOT BY : DOUGLAS HOBYAN

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 304	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902033

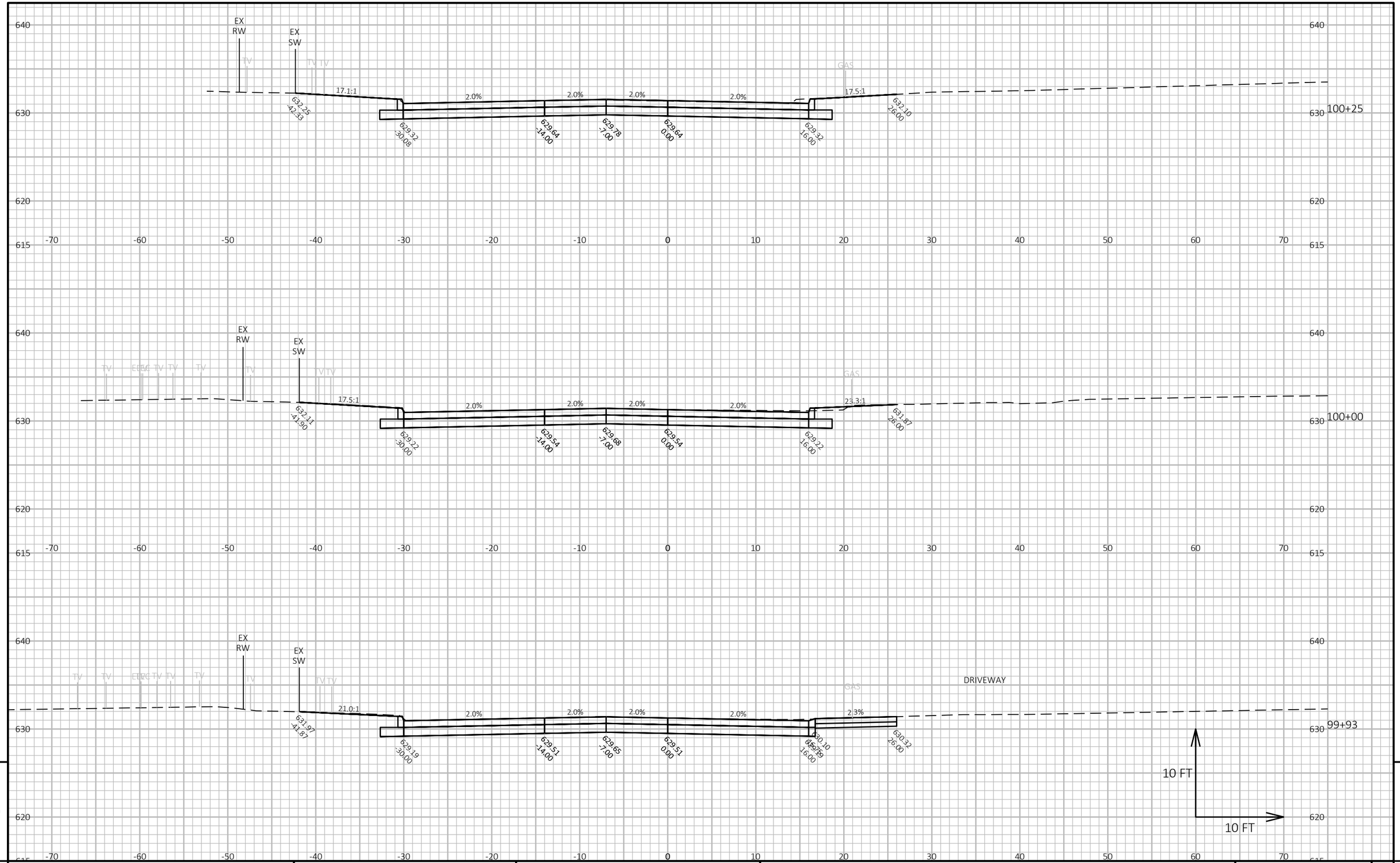
PLOT DATE : 9/8/2023 12:02 AM

PLOT BY : DOUGLAS HOBYAN

PLOT NAME :

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

WISDOT/CADDS SHEET 49

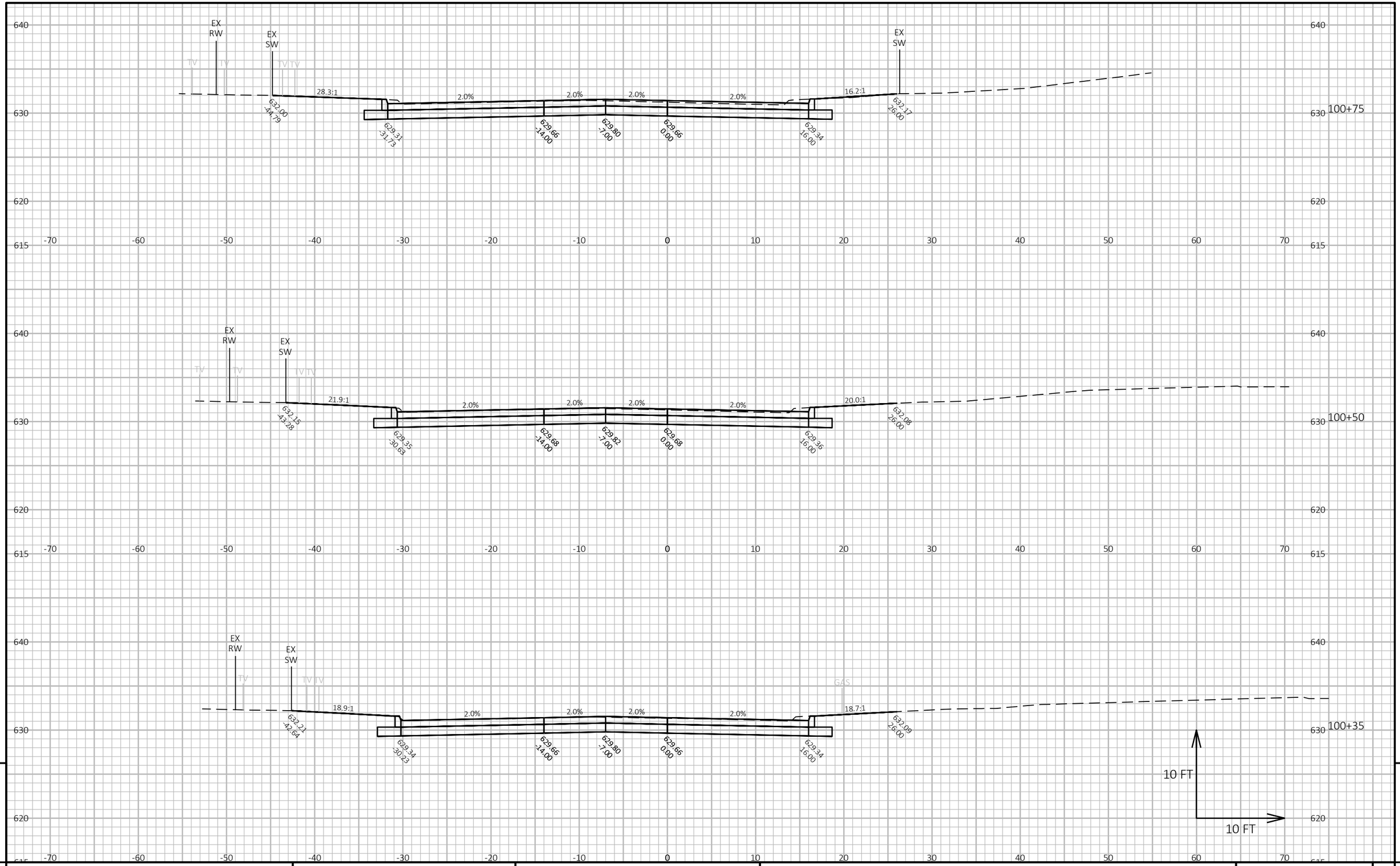


PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 305 E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902034

PLOT DATE : 9/8/2023 12:02 AM PLOT BY : DOUGLAS HOBYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

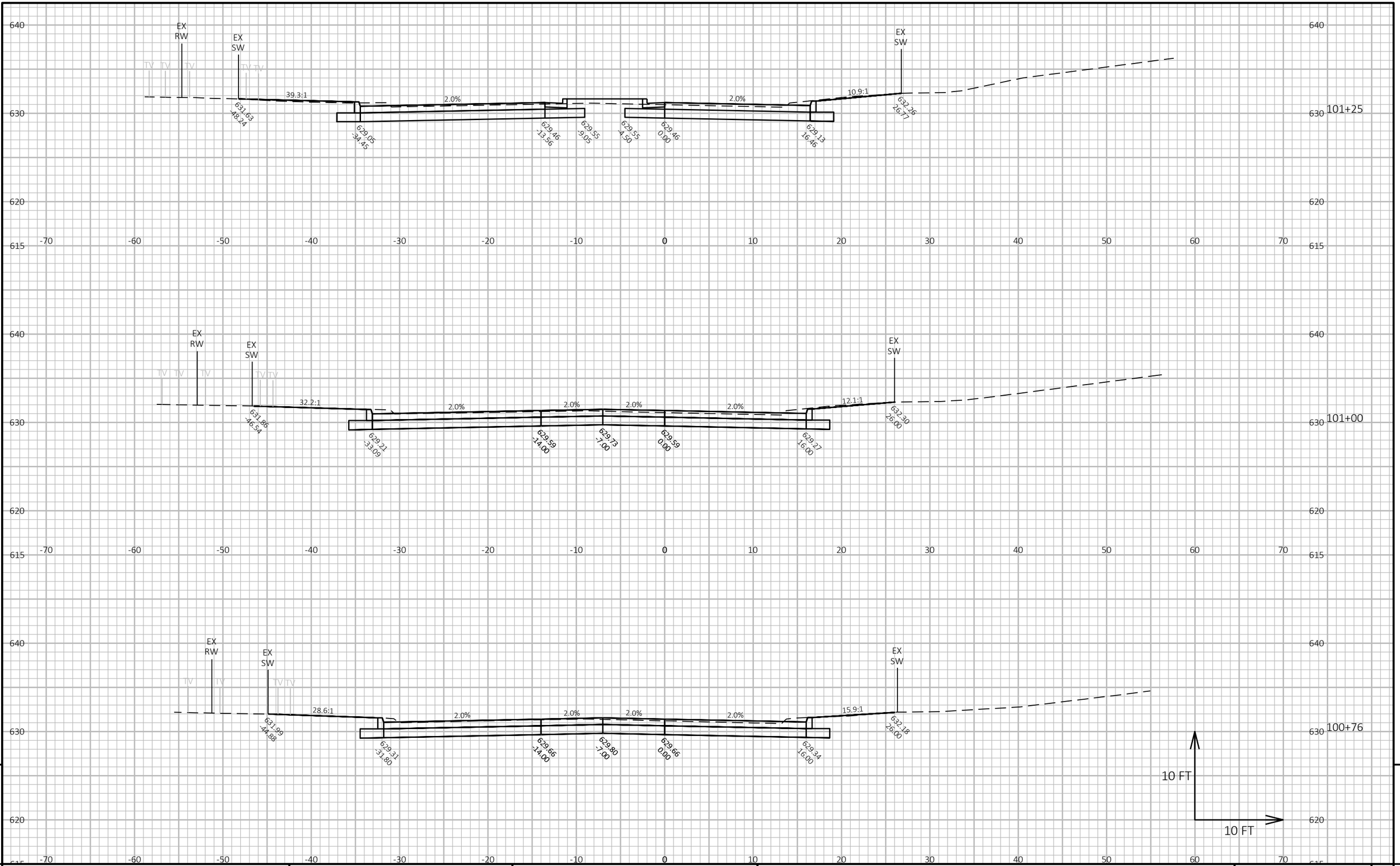
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PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 306	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902035

PLOT DATE : 9/8/2023 12:02 AM PLOT BY : DOUGLAS HOBYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

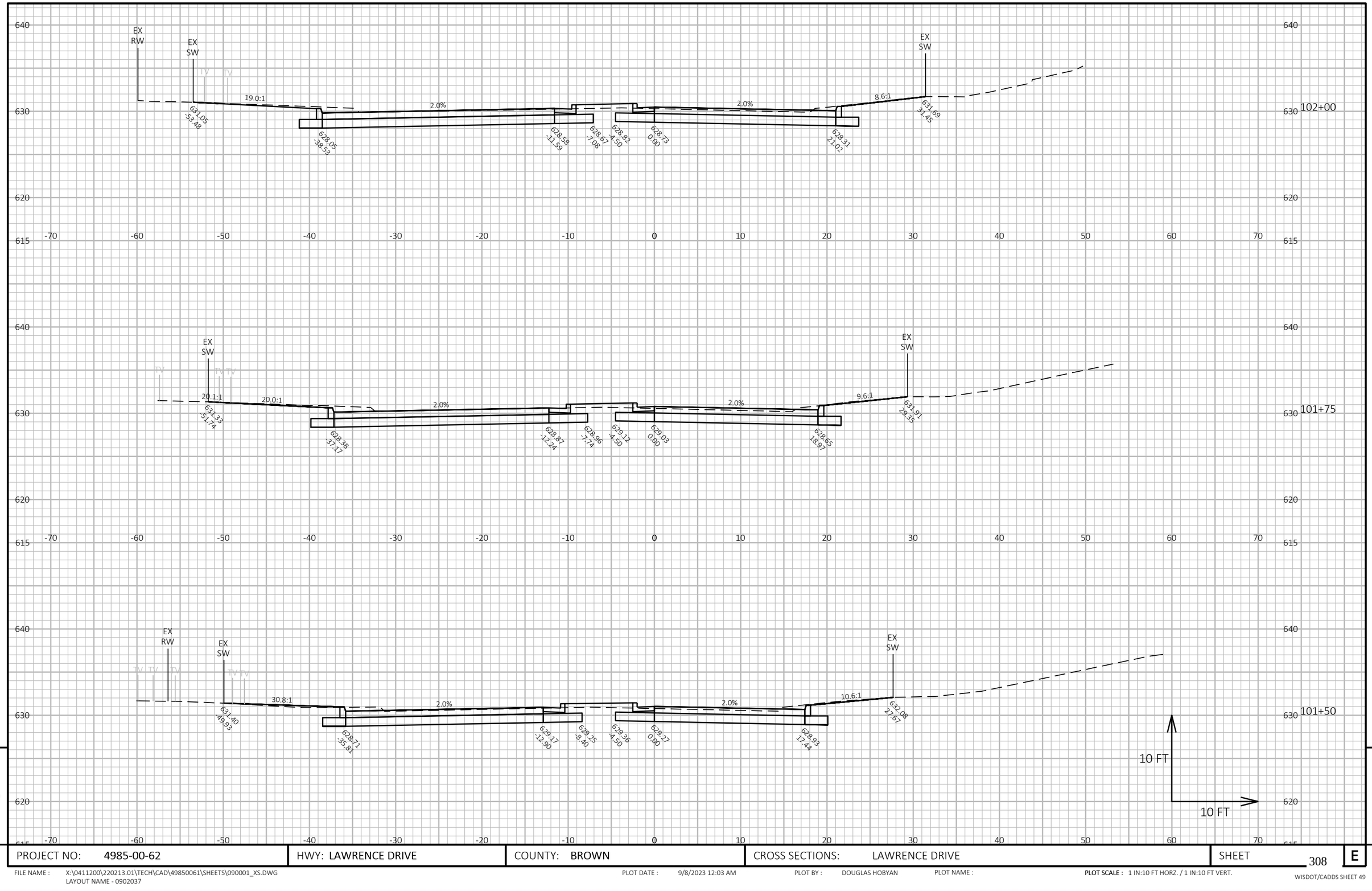
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PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 307	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902036

PLOT DATE : 9/8/2023 12:03 AM PLOT BY : DOUGLAS HOBYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 308	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902037

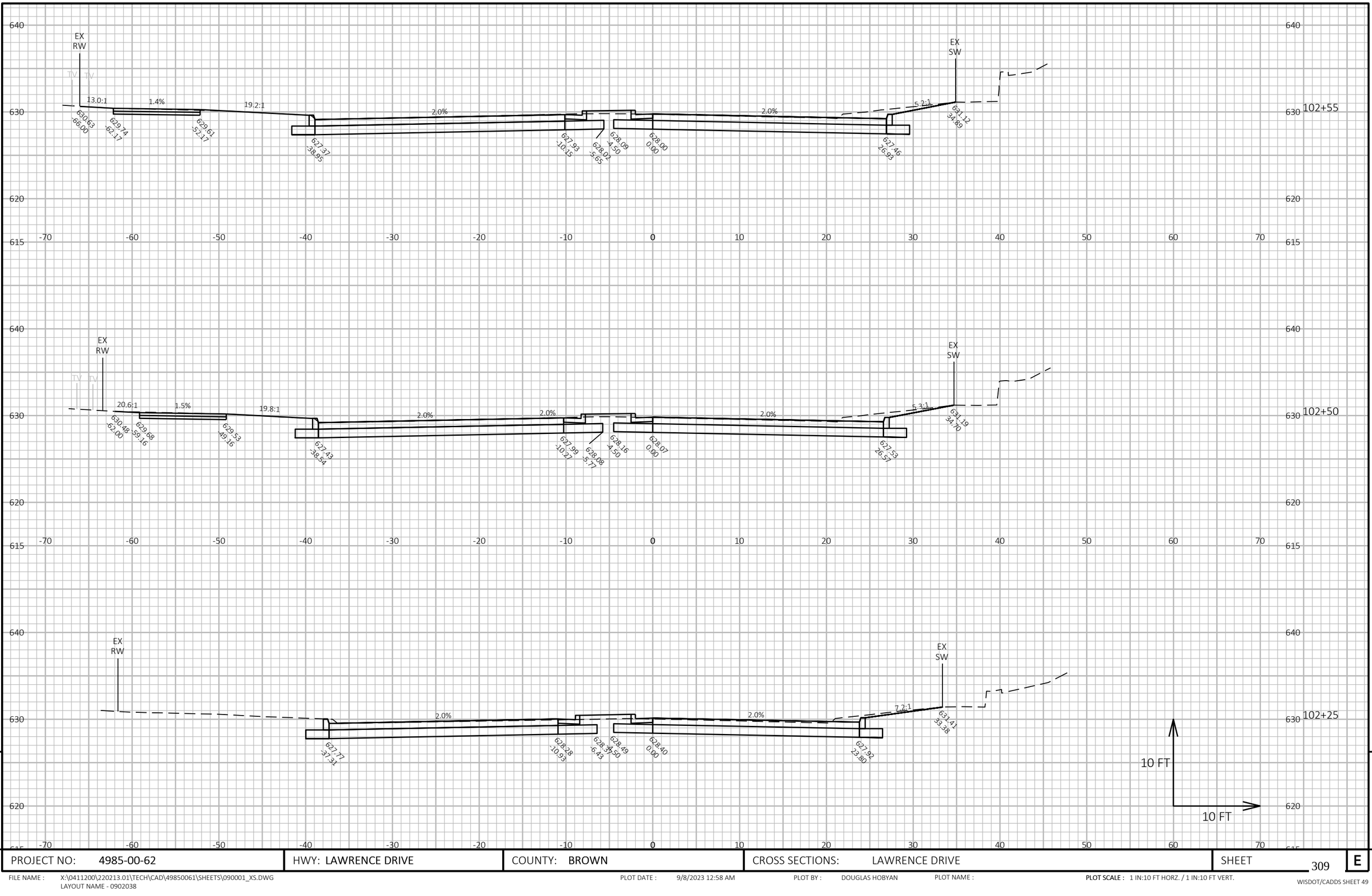
PLOT DATE : 9/8/2023 12:03 AM

PLOT BY : DOUGLAS HOBYAN

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 309	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902038

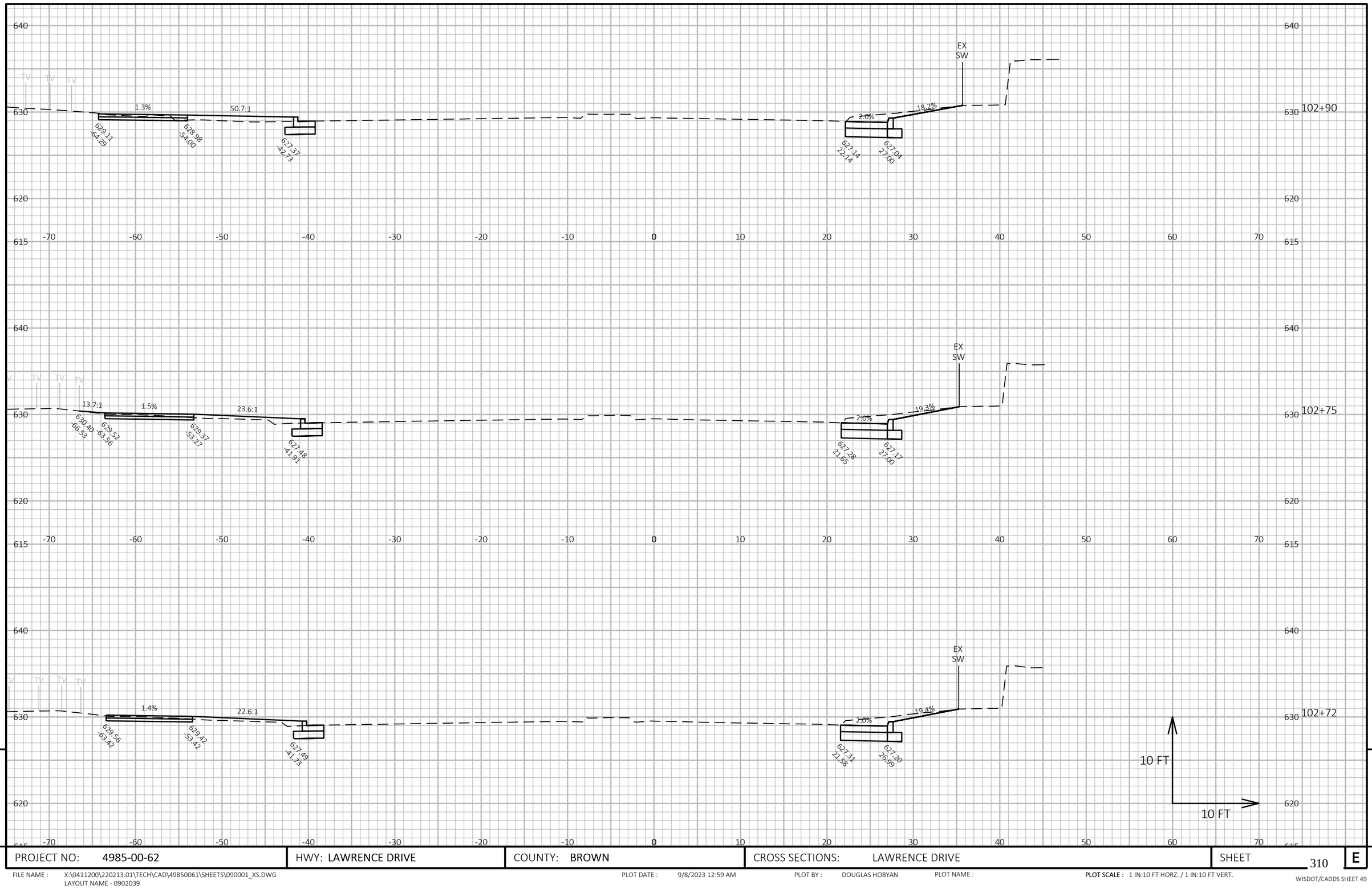
PLOT DATE : 9/8/2023 12:58 AM

PLOT BY : DOUGLAS HOBYAN

PLOT NAME :

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

WISDOT/CADDS SHEET 49

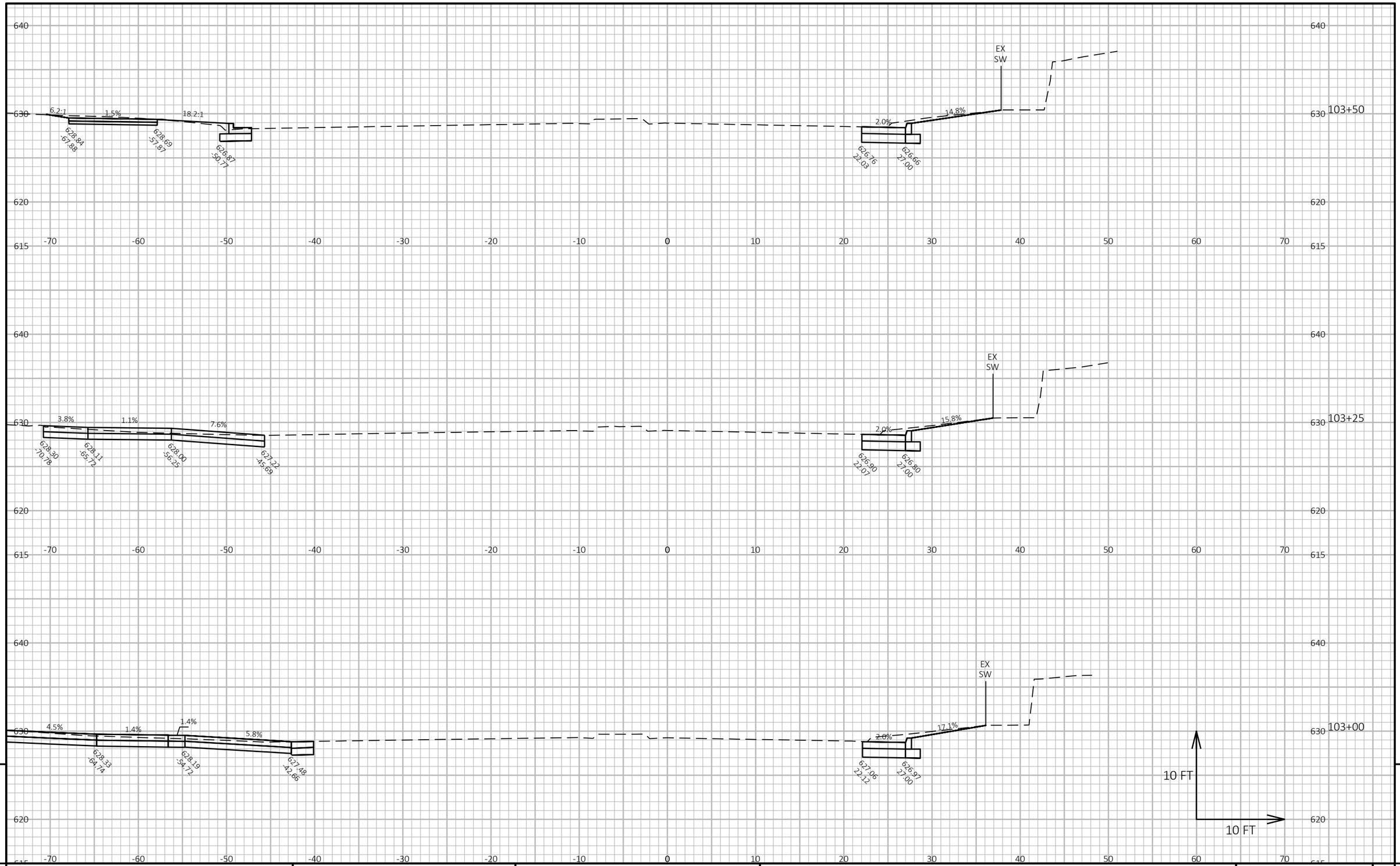


PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 310	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902039

PLOT DATE : 9/8/2023 12:59 AM PLOT BY : DOUGLAS HOBYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 311	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902040

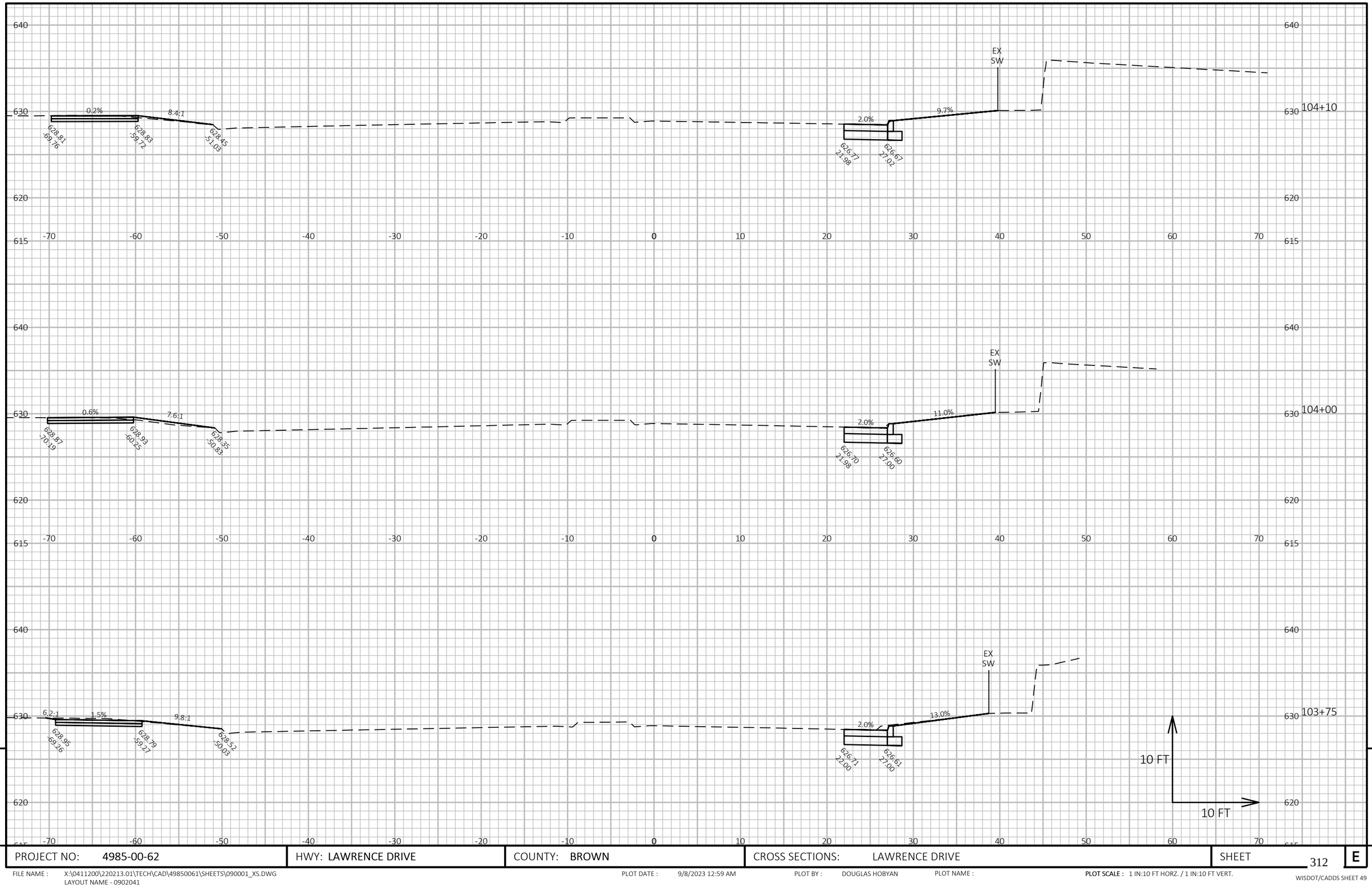
PLOT DATE : 9/8/2023 12:59 AM

PLOT BY : DOUGLAS HOBYAN

PLOT NAME :

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

WISDOT/CADDS SHEET 49



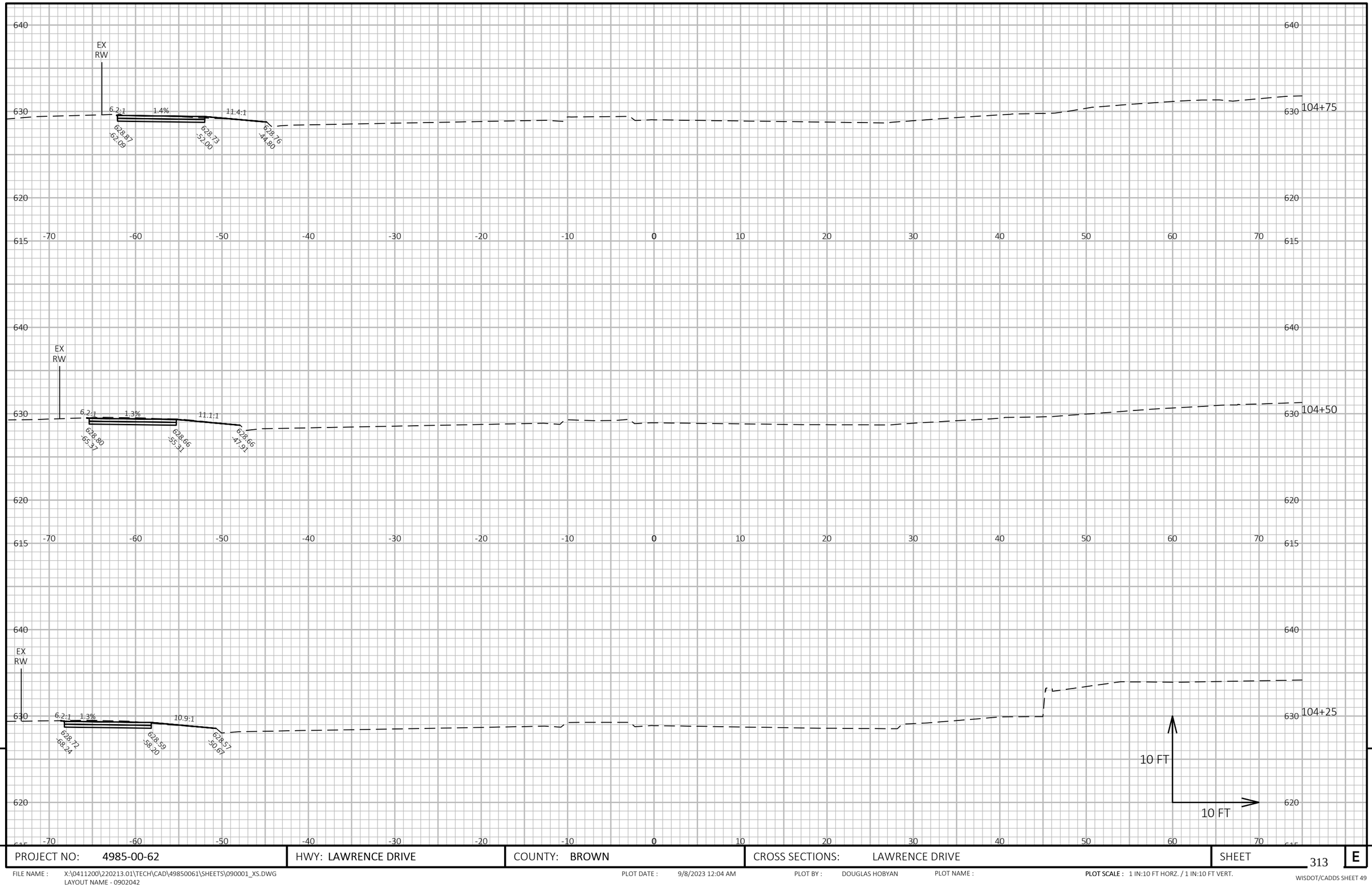
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9

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 312	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902041

PLOT DATE : 9/8/2023 12:59 AM PLOT BY : DOUGLAS HOBYAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 313	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902042

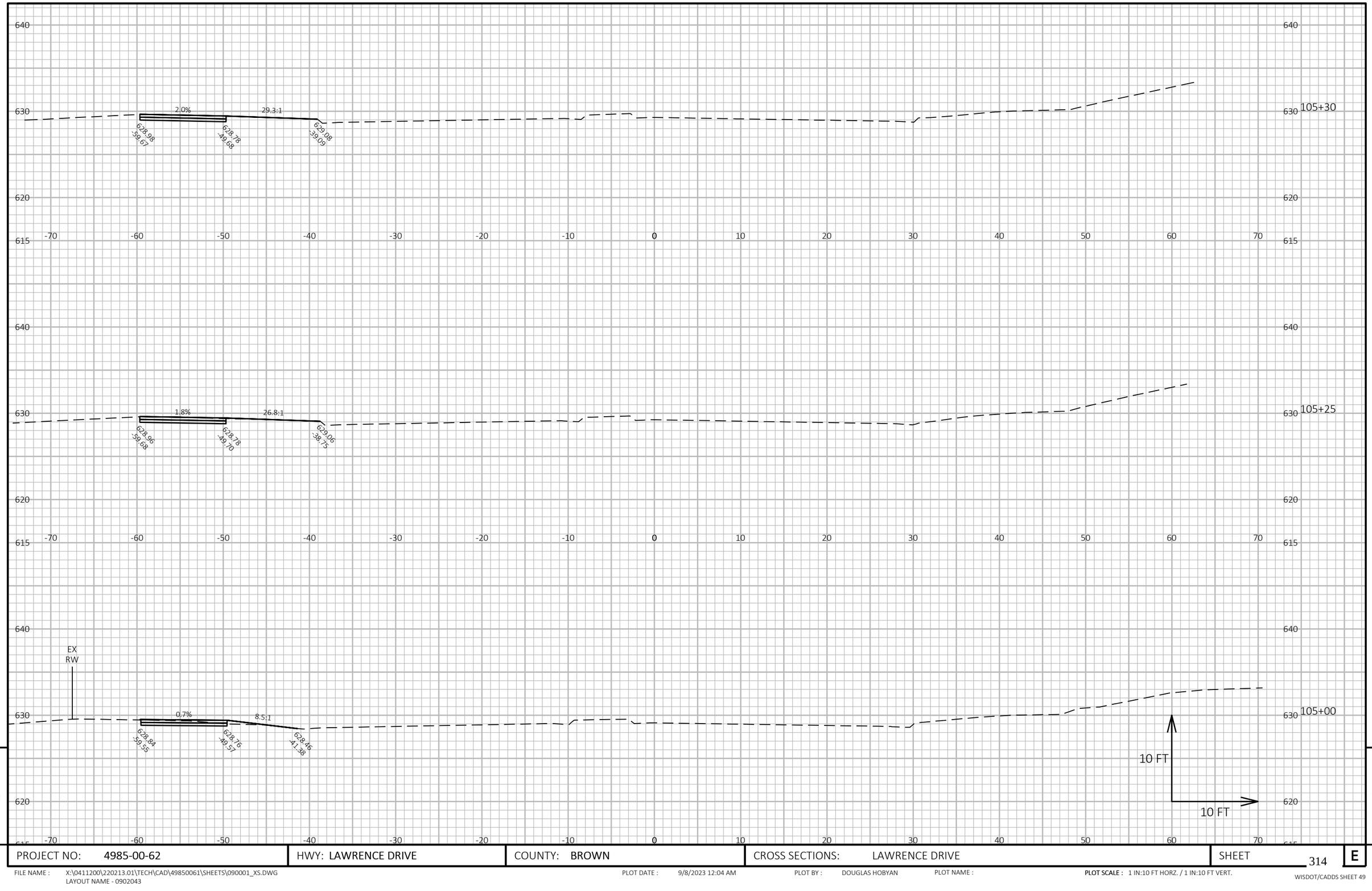
PLOT DATE : 9/8/2023 12:04 AM

PLOT BY : DOUGLAS HOBYAN

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: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 314	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902043

PLOT DATE : 9/8/2023 12:04 AM

PLOT BY : DOUGLAS HOBYAN

PLOT NAME :

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

WISDOT/CADDS SHEET 49

640

630

620

615

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

105+40

10 FT

10 FT

9

9

PROJECT NO: 4985-00-62	HWY: LAWRENCE DRIVE	COUNTY: BROWN	CROSS SECTIONS: LAWRENCE DRIVE	SHEET 315	E

FILE NAME : X:\0411200\220213.01\TECH\CAD\49850061\SHEETS\090001_XS.DWG
LAYOUT NAME - 0902044

PLOT DATE : 9/8/2023 12:04 AM PLOT BY : DOUGLAS HOBYAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

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