MAD October 2025

PROJECT ID: 1706-03-72

WITH: N/A

COUNTY: LAFAYETTE

03

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 = 320

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

SHULLSBURG - MONROE

STH 23 INTERSECTION

STH 11

LAFAYETTE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1706-03-72	WISC 2026002	1

STATE PROJECT NUMBER

1706-03-72





BEGIN PROJECT
STA 62+15.00'EB'
X=478144.283
Y=129849.591

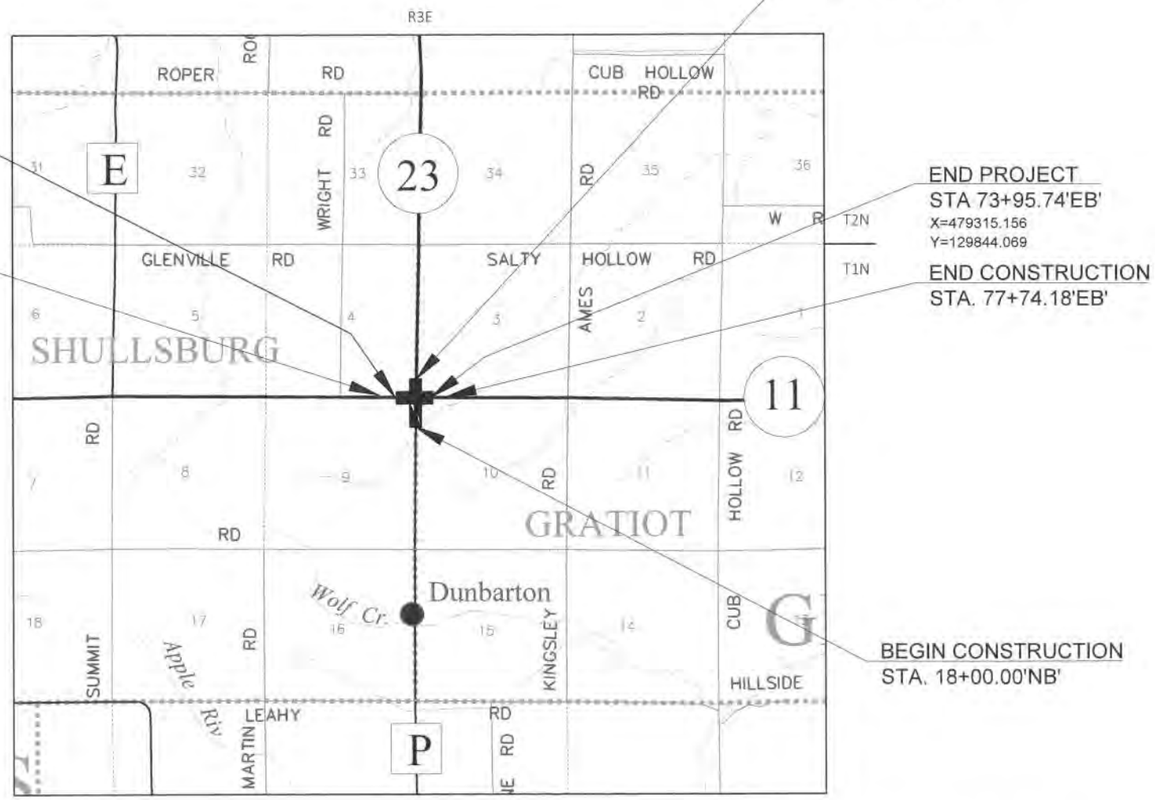
BEGIN CONSTRUCTION
STA. 58+48.77'EB'

END CONSTRUCTION
STA. 33+56.68'NB'

END PROJECT
STA 73+95.74'EB'
X=479315.156
Y=129844.069

END CONSTRUCTION
STA. 77+74.18'EB'

BEGIN CONSTRUCTION
STA. 18+00.00'NB'



DESIGN DESIGNATION			STH 11 & STH 23	CTH P
A.A.D.T.	2026	=	3,300	900
A.A.D.T.	2046	=	3,300	900
D.H.V.		=	375	80
D.D.		=	50/50	50/50
T.		=	26.4%	15.6%
DESIGN SPEED		=	60 mph	55 mph
ESALS		=	CONCRETE: 3,300,000 HMA: 2,200,000	CONCRETE: 600,000 HMA: 440,000

CONVENTIONAL SYMBOLS

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

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

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

LAYOUT

SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 0.224 MI

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

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 18

ORIGINAL PLANS PREPARED BY

AYRES

WISCONSIN
KEVIN M. KUHLOW
E-34278
MADISON
WI
PROFESSIONAL ENGINEER

4/8/2025 (Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	AYRES ASSOCIATES
Designer	AYRES ASSOCIATES
Project Manager	DEREK POTTER
Regional Examiner	SW REGION
Regional Supervisor	CHAD SCHROEDER

APPROVED FOR THE DEPARTMENT

DATE: 4/9/25 (Signature)

E

FILE NAME: I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_010101-TI.DWG PLOT DATE: 4/8/2025 4:20 PM PLOT BY: KUSCHEL, LEVI PLOT NAME:

GENERAL NOTES

1. NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
3. A SAW JOINT IS REQUIRED WHERE NEW ASPHALTIC PAVEMENT MEETS EXISTING ASPHALTIC PAVEMENT.
4. BROKEN CONCRETE CONTAINING REBAR SHALL NOT BE USED AS RIPRAP.
5. PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN AND PROVIDE DOCUMENTATION TO THE ENGINEER.
6. WETLANDS, WATERWAYS, AND OTHER ENVIRONMENTALLY SENSITIVE AREAS SHALL BE PROTECTED AT ALL TIMES. DO NOT STORE EQUIPMENT OR MATERIAL NEAR THESE SITES UNLESS APPROVED BY THE ENGINEER.
7. PLACE EROSION CONTROL DEVICES IN SEQUENCE WITH CONSTRUCTION OPERATIONS OR AS DETERMINED BY THE ENGINEER. EROSION CONTROL FEATURES ARE SHOWN AT APPROXIMATE LOCATIONS, WITH EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.
8. DO NOT USE FERTILIZER WITHIN 20 FEET OF NAVIGABLE WATERWAYS OR WETLANDS.
9. PLACE SALVAGED TOPSOIL OR TOPSOIL IN ALL GRADED AREAS AS DESIGNATED BY THE ENGINEER IMMEDIATELY AFTER GRADING HAS BEEN COMPLETED. SEED, EROSION MAT OR MULCH, AND FERTILIZE ALL AREAS 5 DAYS AFTER PLACEMENT OF SALVAGED TOPSOIL OR TOPSOIL.
10. STATIONING, DISTANCES, AND OFFSETS FOR SIGNS AND TRAFFIC CONTROL DEVICES SHOWN IN THE PLANS ARE APPROXIMATE. EXACT LOCATIONS ARE DETERMINED BY THE ENGINEER.
11. COVER ALL SIGNS IN CONFLICT WITH TRAFFIC CONTROL "IN USE" AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.
12. RESHAPING AND RESTORING OF ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY OPERATIONS OUTSIDE OF THE ENGINEER DETERMINED CONSTRUCTION LIMITS ARE INCIDENTAL TO THE CONTRACT.
13. THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING OR PARKING LANE.
14. APPLY TACK COAT AT A RATE OF 0.05 GAL/SY BETWEEN LAYERS OF HMA PAVEMENT.
15. HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.

STANDARD ABREVIATIONS

AADT	ANNUAL AVERAGE DAILY TRAFFIC
AEW	APRON ENDWALL
BM	BENCHMARK
BOC	BACK OF CURB
C/L	CENTERLINE
CP	CONTROL POINT
CPRC	CULVERT PIPE REINFORCED CONCRETE
CWT	HUNDREDWEIGHT
DD	DIRECTIONAL DISTRIBUTION
DHV	DESIGN HOURLY VOLUME
EB	EASTBOUND
EBS	EXCAVATION BELOW SUBGRADE
ESALS	EQUIVALENT SINGLE AXLE LOADS
EXIST	EXISTING
HMA	HOT MIX ASPHALT
MAX	MAXIMUM
MIN	MINIMUM
MP	MARKER POST
NB	NORTHBOUND
NOR	NORMAL
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVE
PI	POINT OF INTERSECTION
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
PE	PRIVATE ENTRANCE
R/L	REFERENCE LINE
REQ'D	REQUIRED
SB	SOUTHBOUND
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
T.	PERCENT TRUCKS
TLE	TEMPORARY LIMITED EASEMENT
TYP	TYPICAL
VPC	VERTICAL POINT OF CURVE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY
WB	WESTBOUND

UTILITY CONTACTS

BRIGHTSPEED OF CENTRAL WISCONSIN, LLC - COMMUNICATIONS
DOUG MCGOWAN
135 NORTH BONSON ST
PLATTEVILLE, WI 53818
P: (608) 342-4216
E: DOUG.MCGOWAN1@BRIGHTSPEED.COM

SCENIC RIVERS ENERGY COOPERATIVE - ELECTRIC
SHANE CROWLEY
206 CR-K
LANCASTER, WI 53813
P: (608) 723-2121 EXT. 553
E: SCROWLEY@SREC.NET

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

RUNOFF COEFFICIENT TABLE

LAND USE:	HYDROLOGIC SOIL GROUP A SLOPE RANGE (PERCENT) 0-2	A 2-6	A 6 & OVER	B 0-2	B 2-6	B 6 & OVER	C 0-2	C 2-6	C 6 & OVER	D 0-2	D 2-6	D 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 = 10.64 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 8.56 ACRES

ORDER OF SECTION 2 SHEETS

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

PROJECT CONTACTS

WISDOT PROJECT MANAGER
DEREK POTTER
2101 WRIGHT STREET
MADISON, WI 53704
PHONE: (608) 246-3861
EMAIL: DEREK.POTTER@DOT.WI.GOV

DNR AREA LIASON
ERIC HEGGELUND
WISCONSIN DEPARTMENT OF NATURAL RESOURCES
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
PHONE: (608) 228-7927
EMAIL: ERIC.HEGGELUND@WISCONSIN.GOV

CONSULTANT DESIGN
KEVIN KUHLOW
AYRES ASSOCIATES
5201 E. TERRACE DRIVE, SUITE 200
MADISON, WI 53718
PHONE: (608) 443-1210
EMAIL: KUHLOWK@AYRESASSOCIATES.COM

LAFAYETTE COUNTY
DAN RIELLY
LAFAYETTE COUNTY HIGHWAY DEPARTMENT
12016 HILL STREET
P.O. BOX 100
DARLINGTON, WI 53530
P: (608) 776-4919
E: DAN.RIELLY@LAFAYETTECOUNTY.ORG

2

2

TOWN OF SHULLSBURG

TOWN OF GRATIOT

N

23

11

11

COUNTY P

END CONSTRUCTION
STA. 33+56.68'NB'

BEGIN PROJECT
STA. 62+15.00'EB'

END PROJECT
STA. 73+95.74'EB'

BEGIN CONSTRUCTION
STA. 58+48.77'EB'

END CONSTRUCTION
STA. 77+74.18'EB'

BEGIN CONSTRUCTION
STA. 18+00.00'NB'

EX. R/W

PROP. R/W

TLE

P.L.

34'NB'

32'SB'

32'NB'

30'SB'

30'NB'

11'C

12'C

26'SB'

26'NB'

24'SB'

24'NB'

22'NB'

20'NB'

18'NB'

58'EB'

60'EB'

62'EB'

64'EB'

64'WB'

66'EB'

66'WB'

70'EB'

70'WB'

72'EB'

72'WB'

74'EB'

76'EB'

78'EB'

TOWN OF SHULLSBURG

TOWN OF GRATIOT

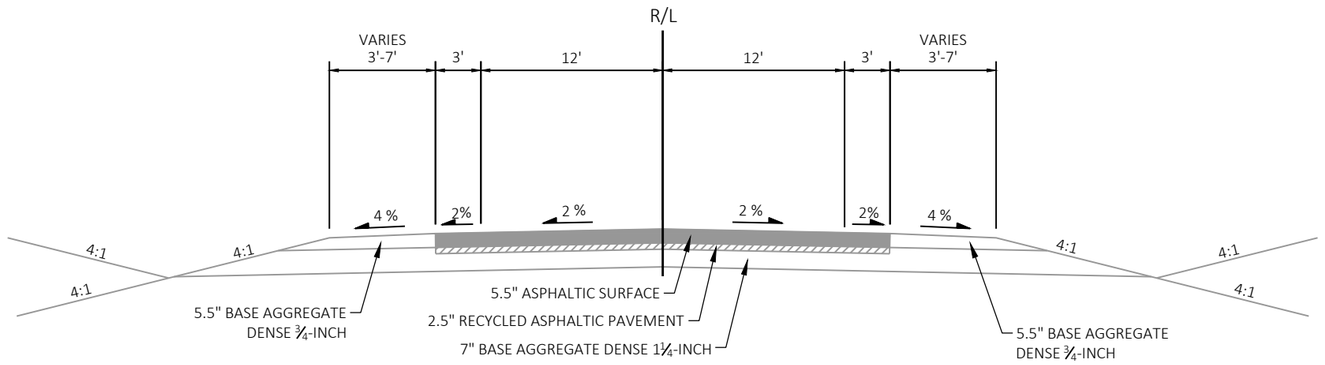
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_020201-PO.DWG
LAYOUT NAME - 01

PLOT DATE : 4/22/2025 1:43 PM PLOT BY : KUSCHEL, LEVI PLOT NAME : PLOT SCALE : 1 IN:200 FT

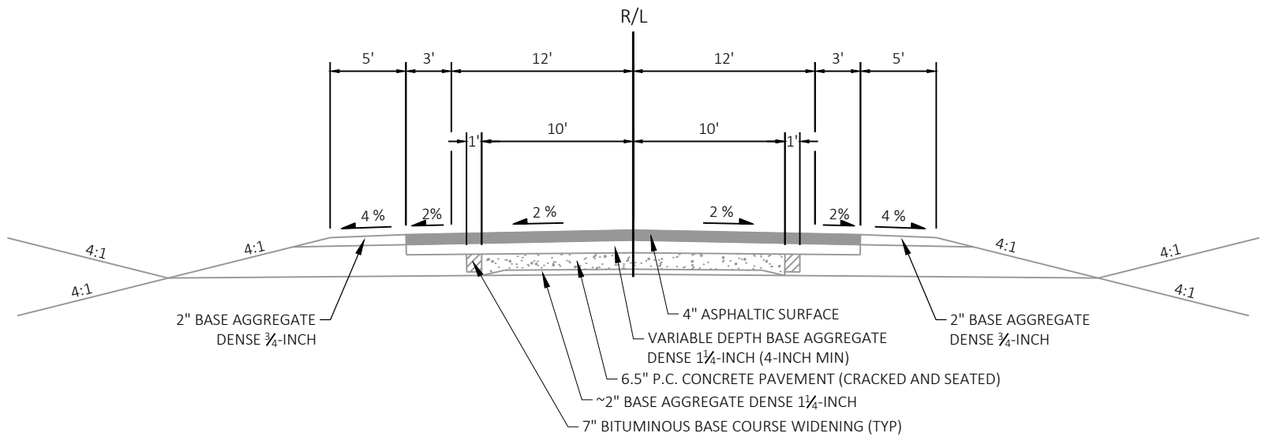
WISDOT/CADDS SHEET 42

2



TYPICAL EXISTING SECTION - STH 11

STA 58+49'EB' TO 77+74'EB'

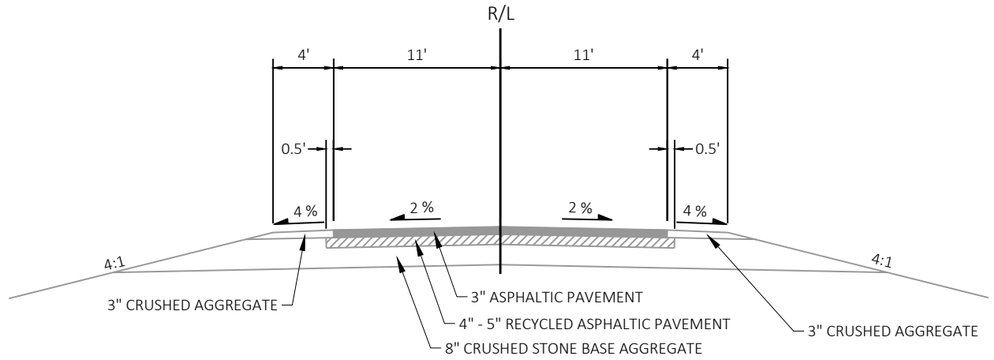


TYPICAL EXISTING SECTION - STH 23

STA 28+27'NB' TO 33+57'NB'

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	TYPICAL SECTIONS	SHEET 4	E

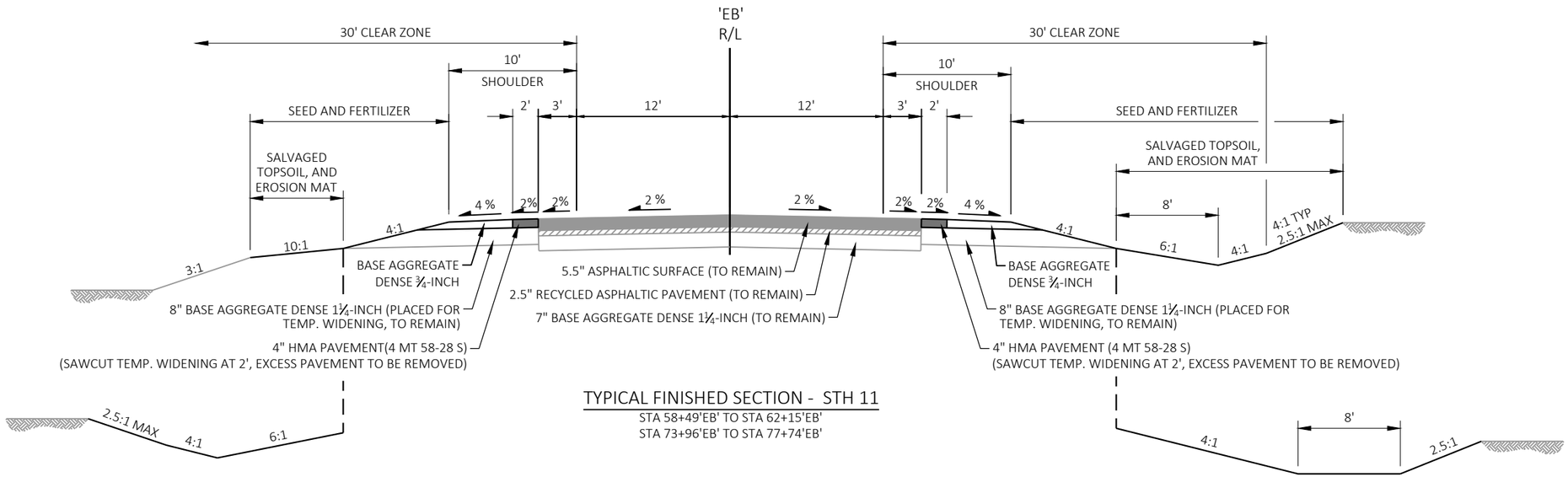
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TYPICAL EXISTING SECTION - CTH P

STA 18+00'NB' TO STA 26+72'NB'

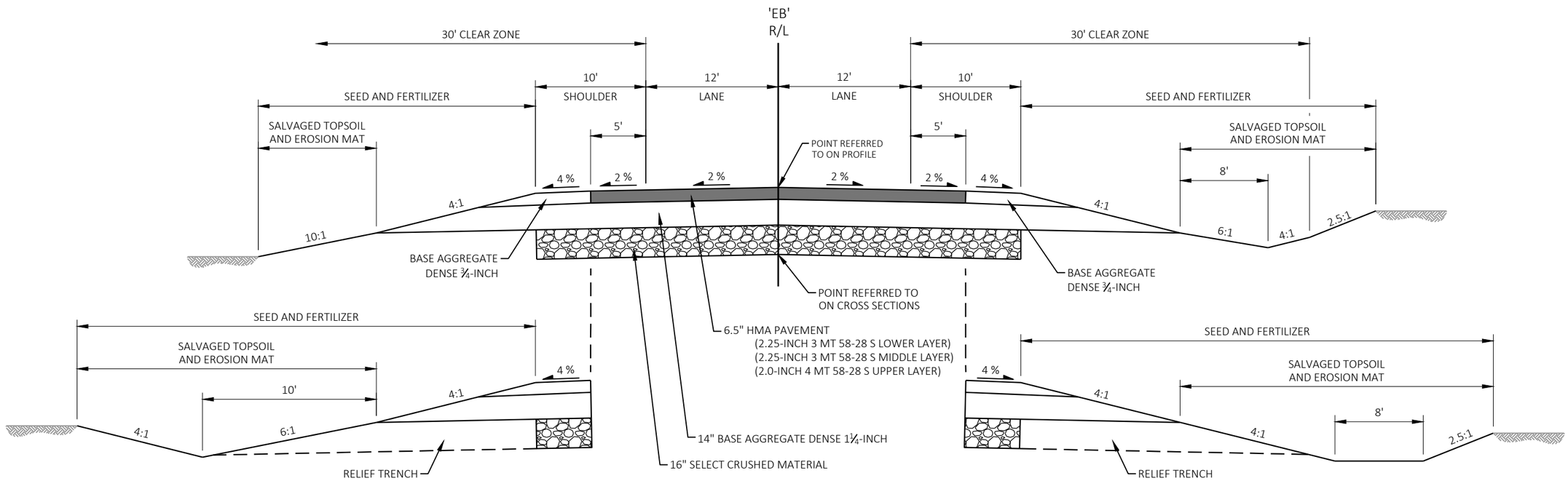
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	TYPICAL SECTIONS	SHEET 5	E



DITCH LOCATIONS
STA 73+96'EB' TO STA 77+74'EB'

TYPICAL FINISHED SECTION - STH 11
STA 58+49'EB' TO STA 62+15'EB'
STA 73+96'EB' TO STA 77+74'EB'

DITCH LOCATIONS
STA 73+96'EB' TO STA 77+74'EB'



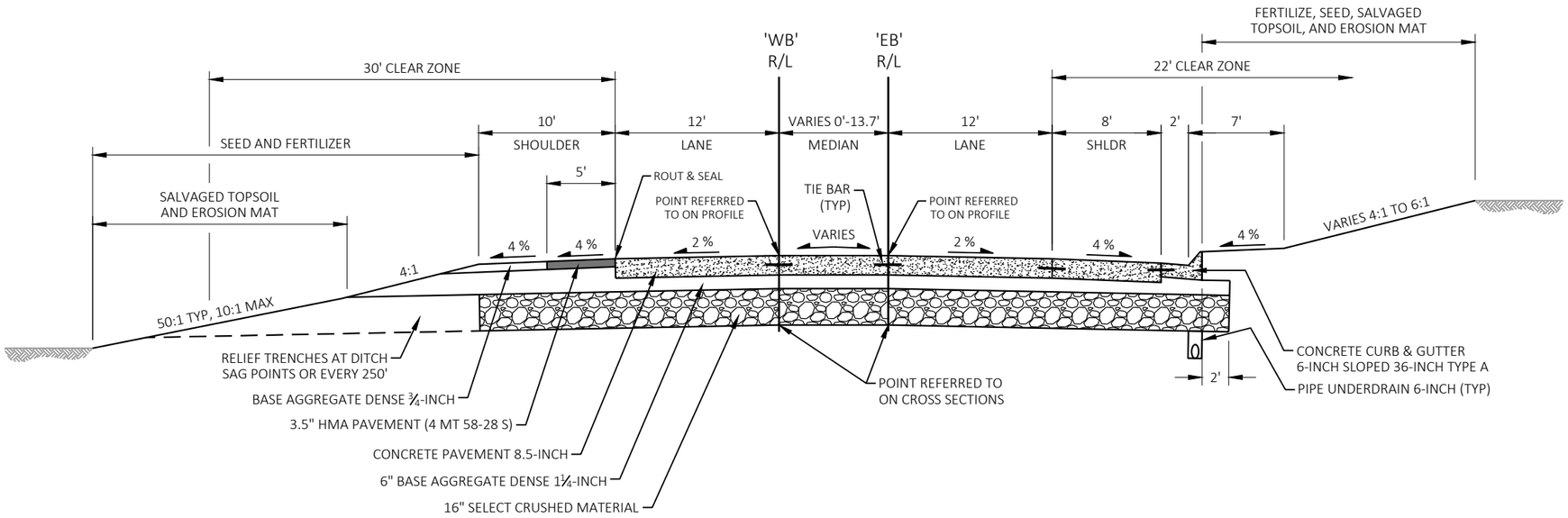
DITCH LOCATIONS
STA 73+86'EB' TO STA 73+96EB'

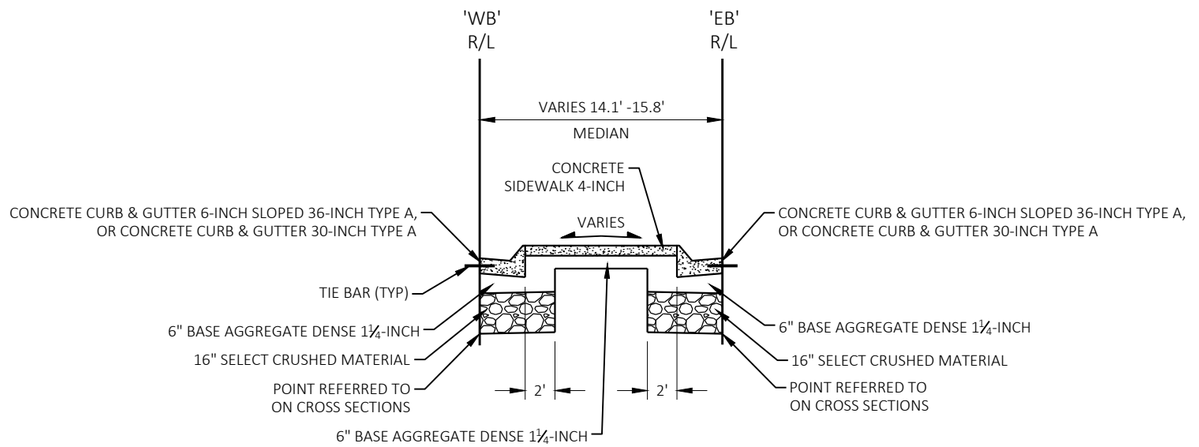
TYPICAL FINISHED SECTION - STH 11
STA 62+15'EB' TO STA 62+47'EB'
STA 73+86'EB' TO STA 73+96'EB'

DITCH LOCATIONS
STA 73+86'EB' TO STA 73+96EB'

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	TYPICAL SECTIONS	SHEET 6	E

2





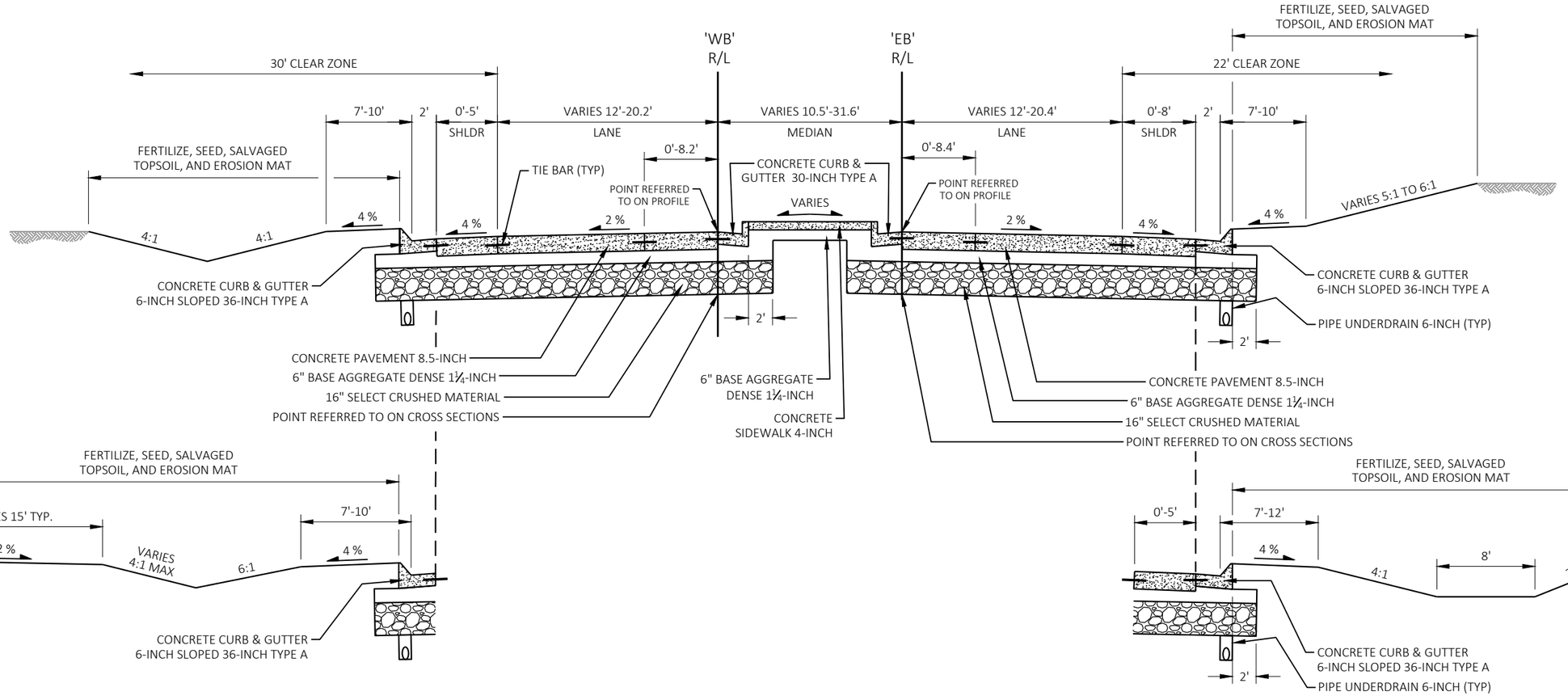
MEDIAN LOCATIONS
STA 64+95'EB' TO STA 66+21'EB'

TYPICAL FINISHED SECTION - STH 11
STA 62+47'EB' TO STA 66+21'EB'

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	TYPICAL SECTIONS	SHEET 7	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_020301-TS.DWG
LAYOUT NAME - F_02
PLOT DATE : 8/19/2025 7:49 AM
PLOT BY : KUSCHEL, LEVI
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



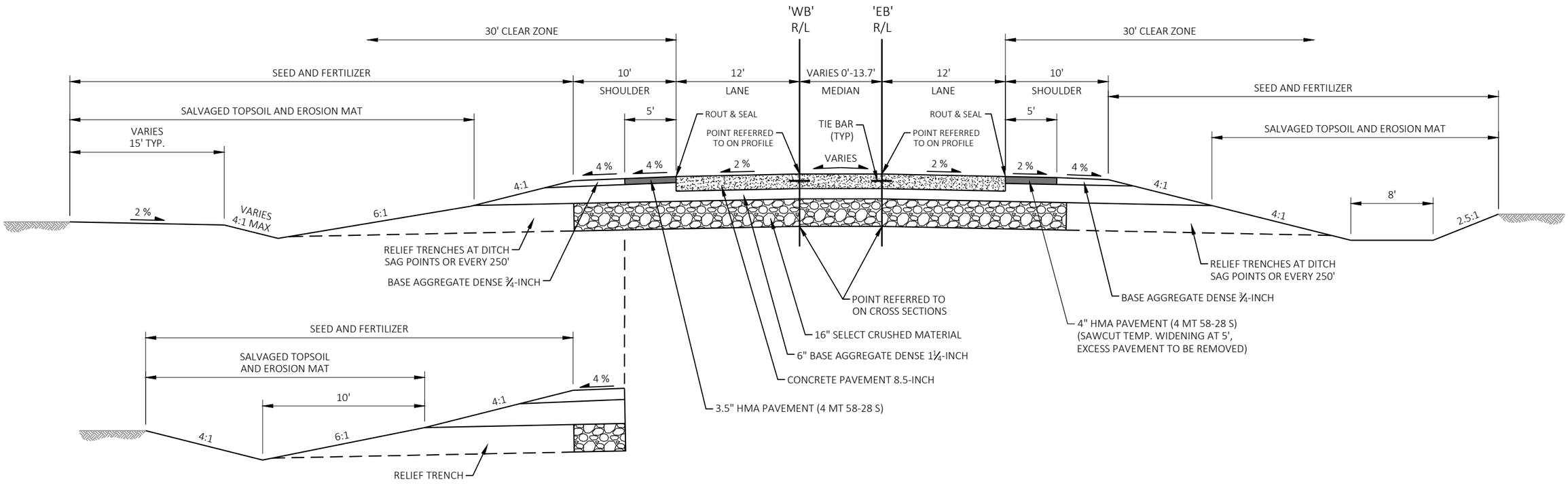
DITCH LOCATIONS
STA 69+11'WB' TO STA 70+46'WB'

DITCH LOCATIONS
STA 69+07'EB' TO STA 70+43EB'

TYPICAL FINISHED SECTION - STH 11

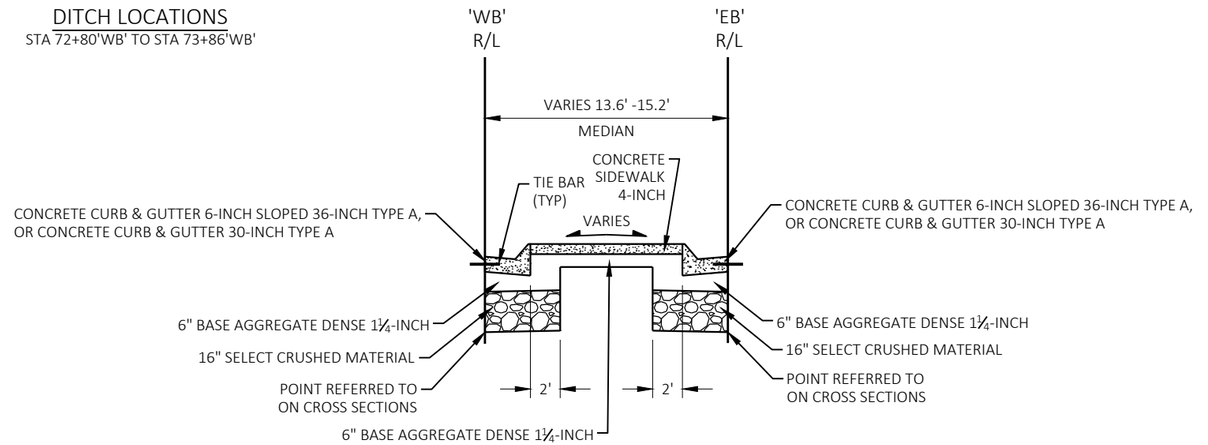
STA 66+21'EB' TO STA 67+49'EB'
STA 69+07'EB' TO STA 70+47'EB'

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	TYPICAL SECTIONS	SHEET 8	E



DITCH LOCATIONS

STA 72+80'WB' TO STA 73+86'WB'



MEDIAN LOCATIONS

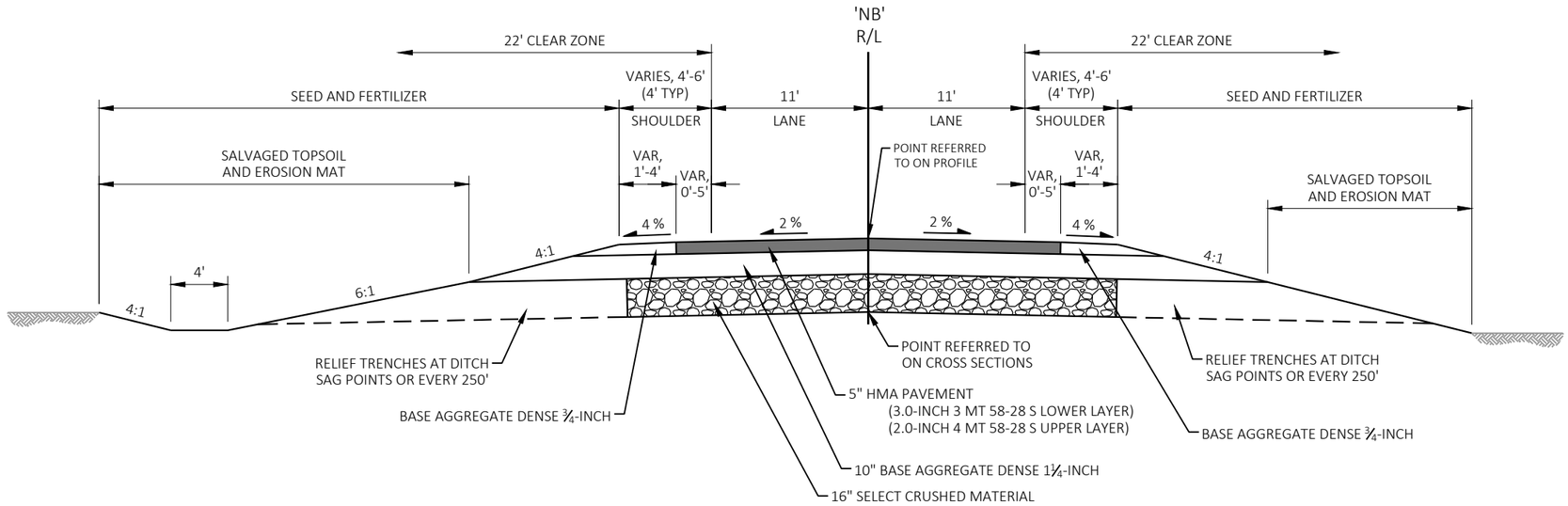
STA 70+47'EB' TO STA 71+65'EB'

TYPICAL FINISHED SECTION - STH 11

STA 70+47'EB' TO STA 73+86'EB'

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	TYPICAL SECTIONS	SHEET 9	E

2

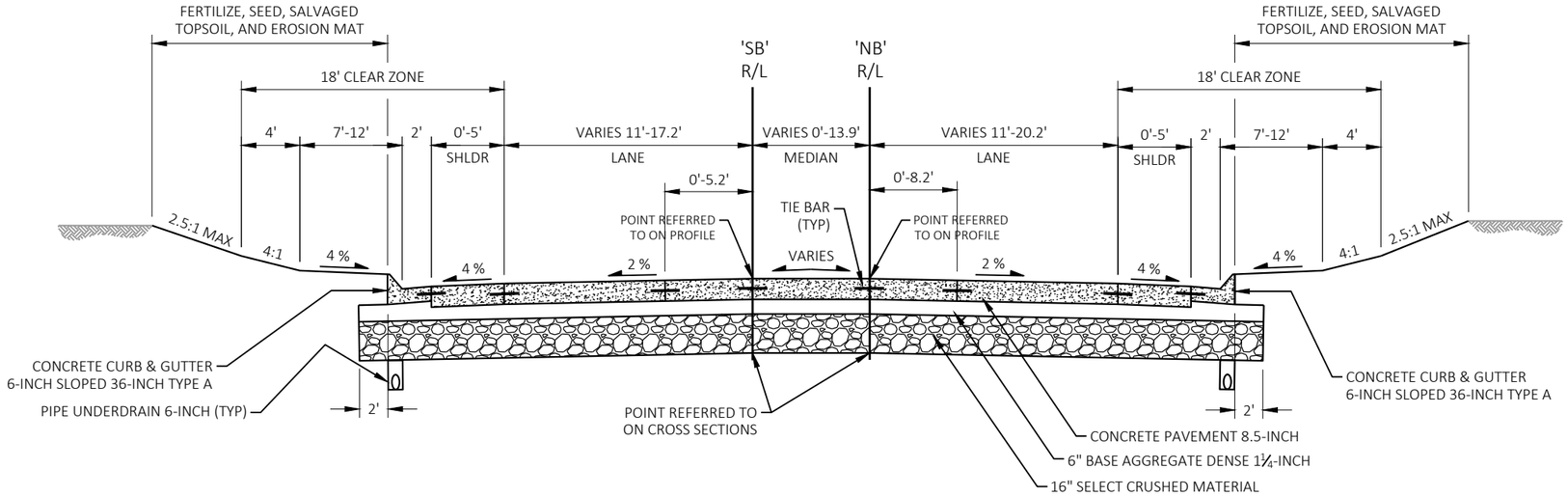


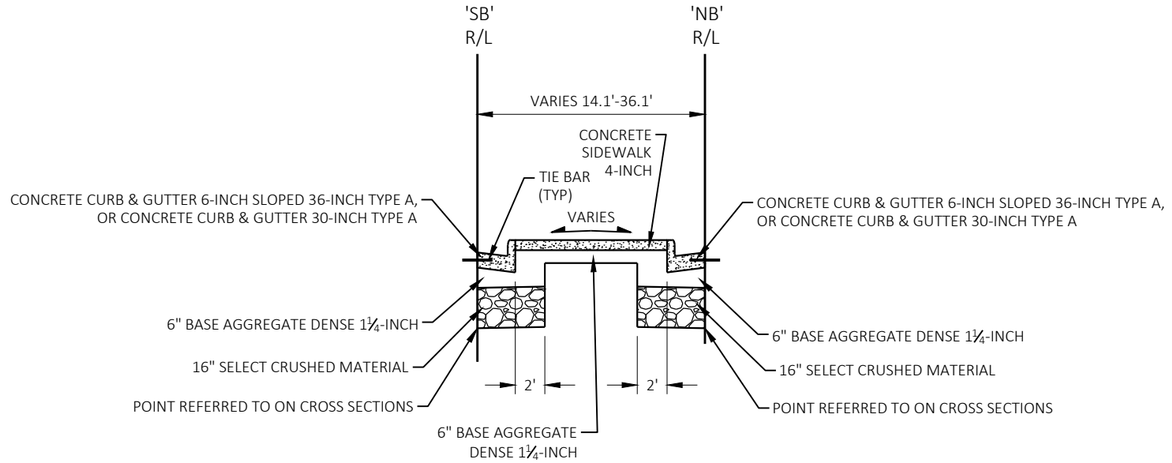
TYPICAL FINISHED SECTION - CTH P

STA 18+00'NB' TO STA 20+25'NB'

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	TYPICAL SECTIONS	SHEET 10	E

2





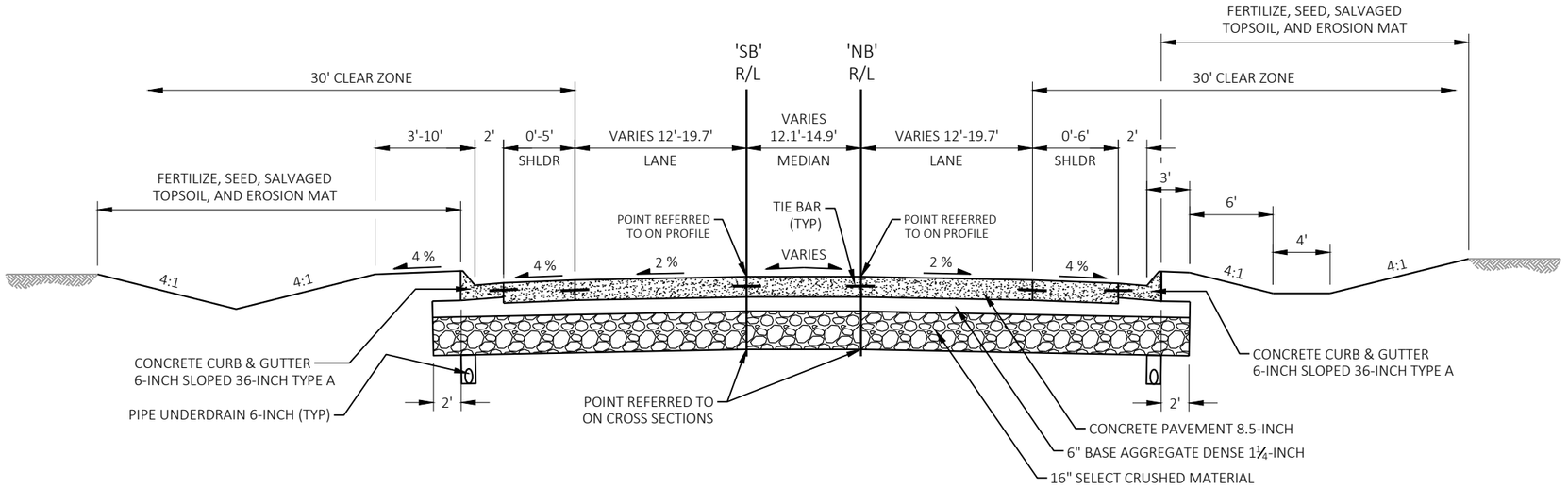
MEDIAN LOCATIONS

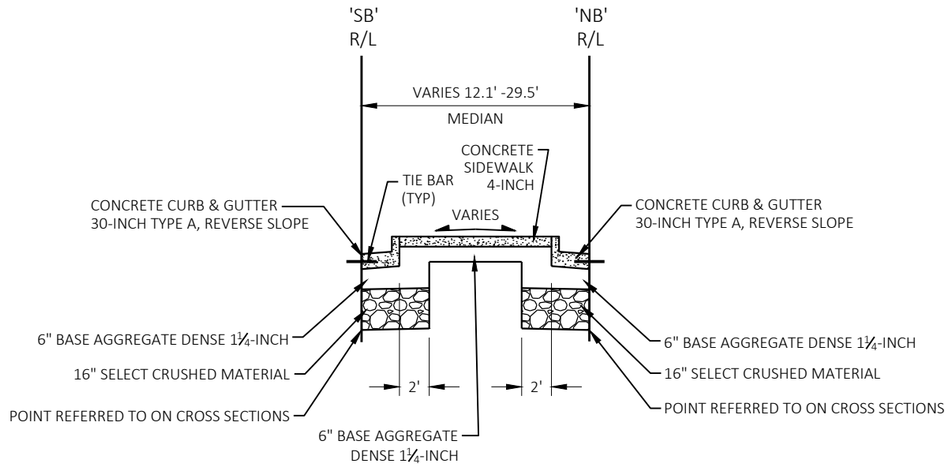
STA 24+68'NB' TO STA 26+72'NB'

TYPICAL FINISHED SECTION - CTH P

STA 20+25'NB' TO STA 26+72'NB'

2



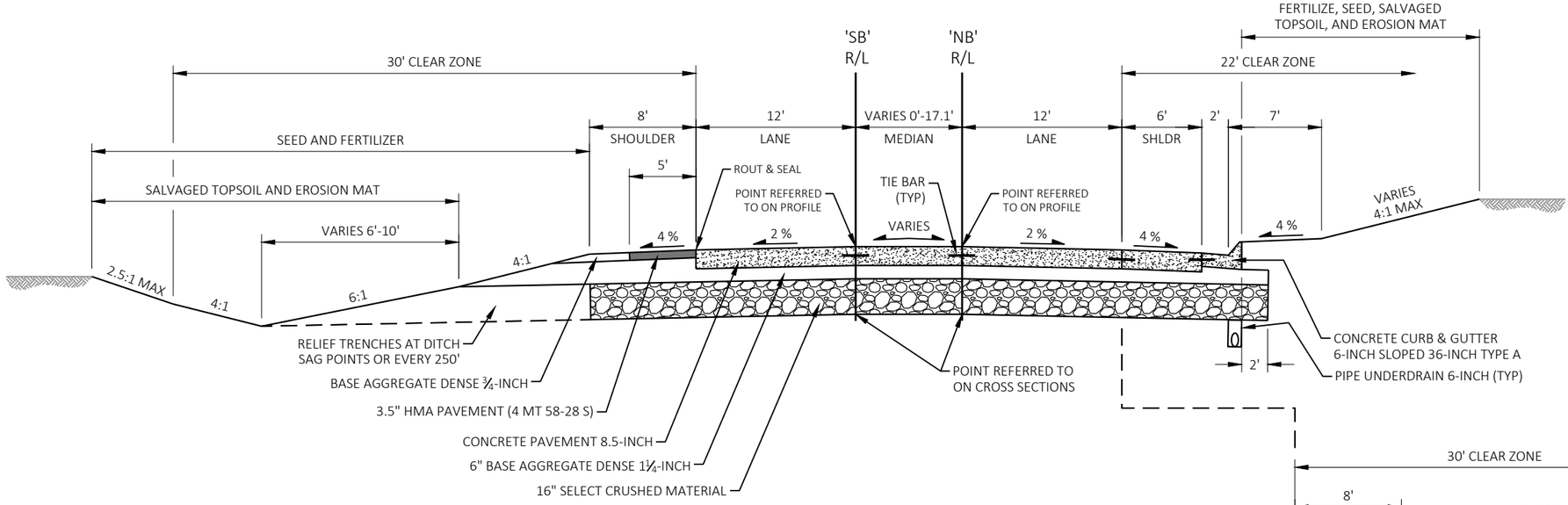


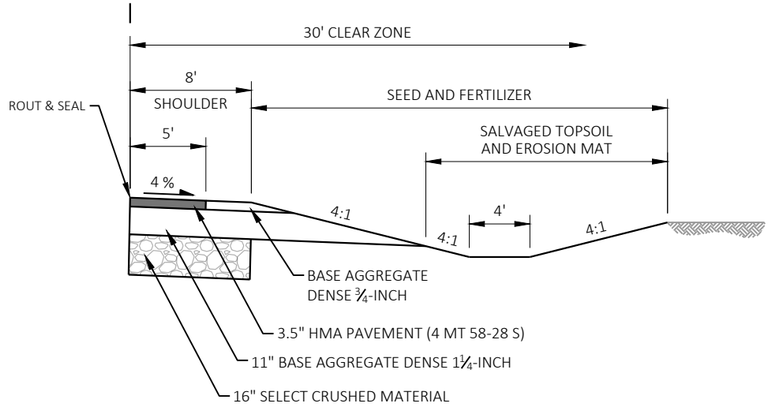
MEDIAN LOCATIONS
STA 28+27'NB' TO STA 28+94'NB'

TYPICAL FINISHED SECTION - STH 23
STA 28+27'NB' TO STA 29+58'NB'

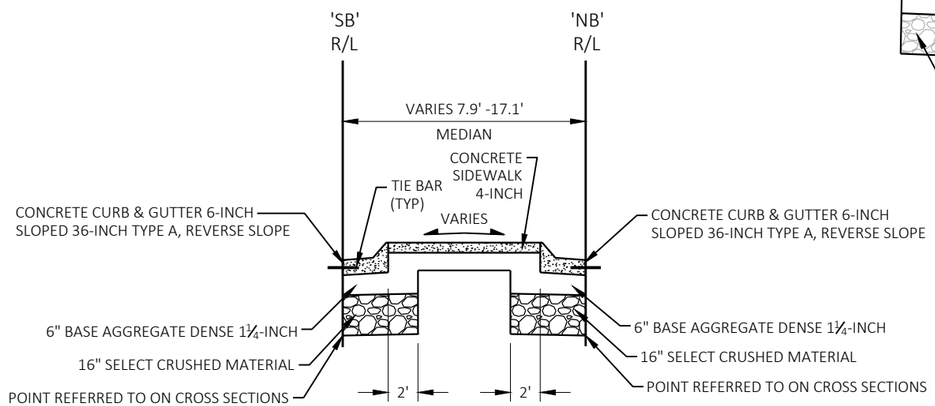
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	TYPICAL SECTIONS	SHEET 12	E

2





RIGHT SHOULDER LOCATIONS
STA 32+50'NB' TO STA 33+56.68'NB'

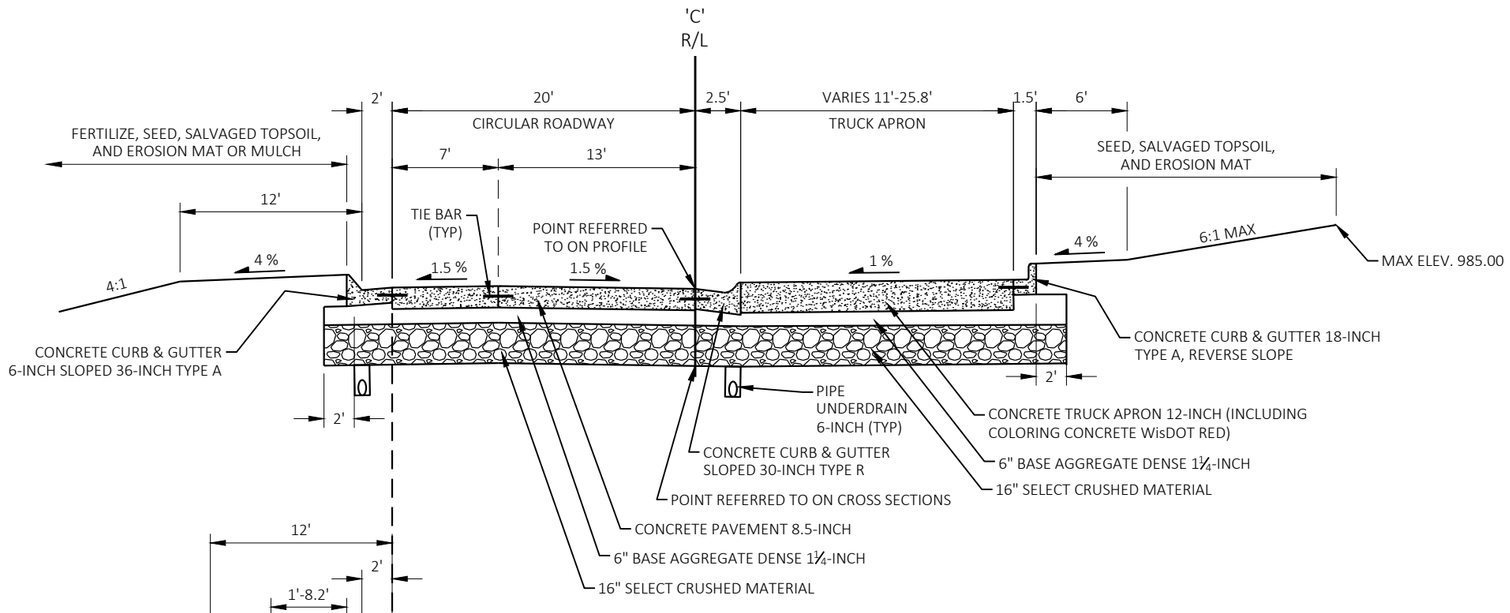


MEDIAN LOCATIONS
STA 30+10'NB' TO STA 31+07'NB'

TYPICAL FINISHED SECTION - STH 23
STA 29+58'NB' TO STA 33+56.68'NB'

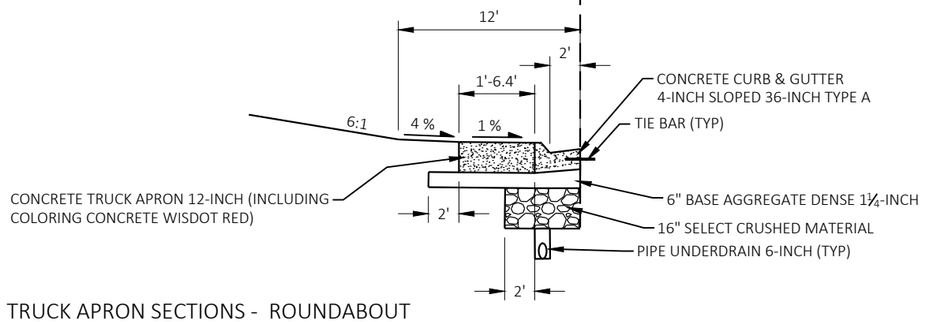
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	TYPICAL SECTIONS	SHEET 13	E

2



TRUCK APRON SECTIONS - ROUNDABOUT

STA 140+66'NE' TO STA 142+59'NE'
STA 160+70'NW' TO STA 162+52'NW'



TRUCK APRON SECTIONS - ROUNDABOUT

STA 120+66'SW' TO STA 121+51'SW'

TYPICAL FINISHED HALF SECTION - ROUNDABOUT

STA 10+00'C' TO STA 13+77'C'

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	TYPICAL SECTIONS	SHEET 14	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_020301-TS.DWG
LAYOUT NAME - F_09
PLOT DATE : 8/19/2025 7:49 AM
PLOT BY : KUSCHEL, LEVI
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

NW QUADRANT OF STH 11/STH 23 INTERSECTION

DT1434 2/2007 **FIELD BORING LOG** Wisconsin Department of Transportation

Boring No. B-1	Structure	County Lafayette	Sheet 1 Of 1
Project 1706-03-02	Road STH 11		
Station	Offset at stake, ~42.5810634 N, 90.1333457W	Surface Elevation	

GROUND WATER OBSERVATIONS

Streambed Elevation:	Time After Drilling:	At Completion			
Water Elevation:	Depth to Water:	N/A Dry			
Top of Well Elevation:					

MOISTURE: D = Damp, M = Moist, W = Wet

DRILLING METHOD: HS = Hollowstem, WA = Wash Ahead, RB = Rockbit, ST = Shelby Tube, SS = Splitspoon, DM = Drilling Mud, A = Auger, C = Coring, W = Wash, E = Easy, M = Medium, H = Hard

Unit 7822 DT | Chief SWK | Start 1-11-22 | Finish 1-11-22

Sample No.	Moisture	Blows on Sampler 0/6	Blows on Sampler 6/12	Sample and Recovery	Total Blows	VISUAL FIELD CLASSIFICATION AND REMARKS	Unconfined Strength	Boulders	Drilling Method
TS						black sandy clay, TS, 0" frost, 15" snow cover		N/A	HSA
1	M	1	2	14	5	black lean clay			24
						3'			
2	M	2	2	15	5	br. lean clay			
						5' 5'			
3	M	2	1	18	4				
4	M	1	2	18	3	10' 10'			
						12'			
						br. sandy lean clay, possibly approaching weathered bedrock			
5	M	6	7	6	16	15' 15'			
						End of Boring			
						20' 20'			
						abandonement info			
						4 bags of 3/8" bentonite chips to 2', auger cuttings to GS			
						25' 25'			
						30' 30'			
						35' 35'			

Checked By | Final | Boring No.

SE QUADRANT OF STH 11/STH 23 INTERSECTION

DT1434 2/2007 **FIELD BORING LOG** Wisconsin Department of Transportation

Boring No. B-2	Structure	County Lafayette	Sheet 1 Of 1
Project 1706-03-02	Road STH-11		
Station	Offset at stake, ~42.5807545N 90.1324815W	Surface Elevation	

GROUND WATER OBSERVATIONS

Streambed Elevation:	Time After Drilling:	At Completion			
Water Elevation:	Depth to Water:	N/A Dry			
Top of Well Elevation:					

MOISTURE: D = Damp, M = Moist, W = Wet

DRILLING METHOD: HS = Hollowstem, WA = Wash Ahead, RB = Rockbit, ST = Shelby Tube, SS = Splitspoon, DM = Drilling Mud, A = Auger, C = Coring, W = Wash, E = Easy, M = Medium, H = Hard

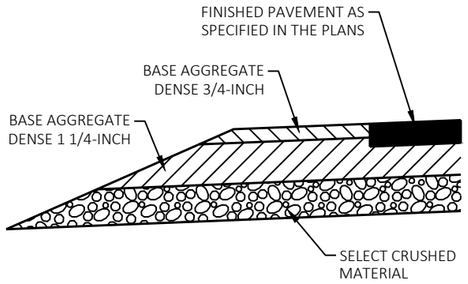
Unit 7822 DT | Chief SWK | Start 1-11-22 | Finish 1-11-22

Sample No.	Moisture	Blows on Sampler 0/6	Blows on Sampler 6/12	Sample and Recovery	Total Blows	VISUAL FIELD CLASSIFICATION AND REMARKS	Unconfined Strength	Boulders	Drilling Method
TS						dark br. to black lean clay, TS, 5" frost, 15" snow cover		N/A	HSA
1x	M	3	4	18	9	dark br. sandy clay w/ silt	3.0		24
						3'			
2x	M	2	3	18	6	br. lean clay	1.75		
						5' 5'			
3x	M	1	2	18	5		1.25		
						7'6"			
						light br. f-c sand w/ gravel, probable weathered bedrock			
4	M	5	10	18	17	10' 10'			
						readily drillable until 10', then hard drilling			
5	M	60/2		2		15' 15'			
						End of boring			
						20' 20'			
						abandonement info			
						4 bags of 3/8" bentonite chips to 2', then auger cuttings to gs			
						25' 25'			
						30' 30'			
						35' 35'			

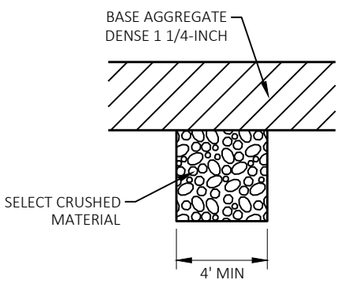
Checked By | Final | Boring No.

NOTE:

SEE SOILS REPORT FOR ADDITIONAL INFORMATION.



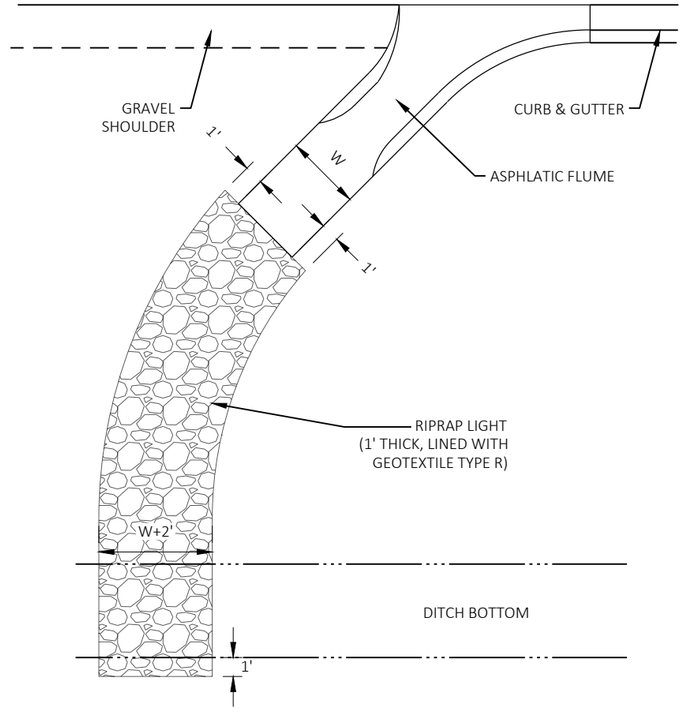
SECTION A-A



SECTION B-B

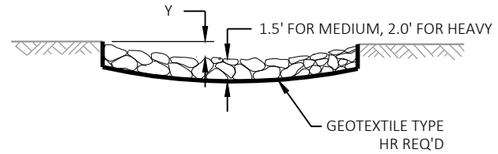
DETAIL FOR RELIEF TRENCHES

TRENCHES ARE TO BE CONSTRUCTED AT LEAST EVERY 250' AND AT EACH SAG VERTICAL CURVE IN THE PROFILE. LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER. EXCAVATION REQUIRED TO CONSTRUCT RELIEF TRENCHES SHALL BE CONSIDERED INCIDENTAL TO THE ITEM "SELECT CRUSHED MATERIAL".



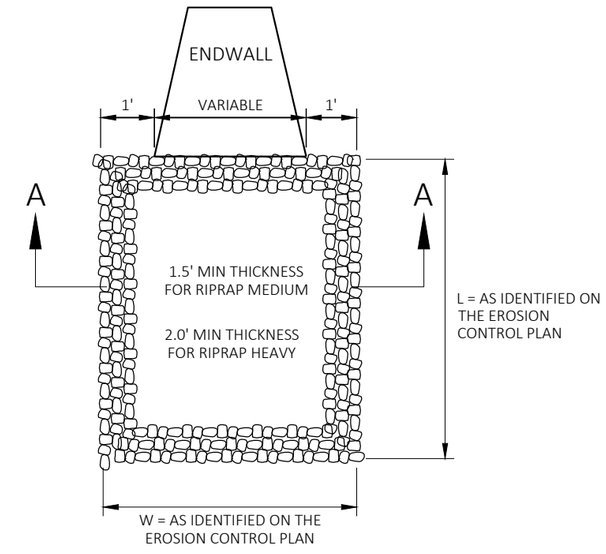
DETAIL FOR RIPRAP LIGHT AT FLUMES

(SEE EROSION CONTROL PLAN FOR LOCATIONS)



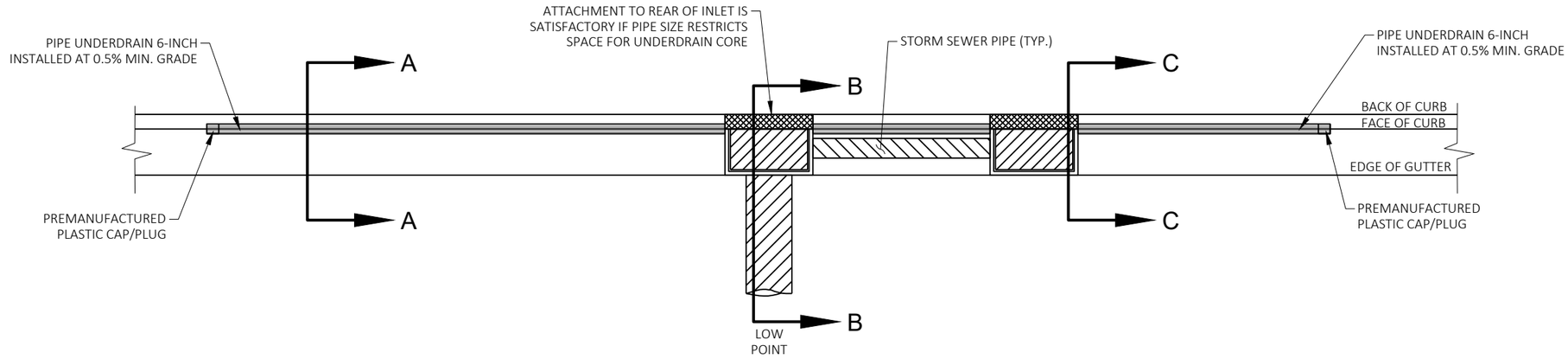
Y = 0' FOR TYPICAL DISCHARGE INTO DITCH
= 1' FOR DISCHARGE DOWN EMBANKMENT SLOPE

SECTION A-A



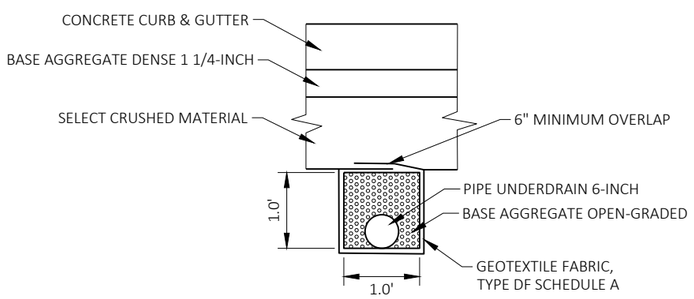
DETAIL FOR RIPRAP MEDIUM OR HEAVY AND GEOTEXTILE FABRIC AT ENDWALLS

(SEE EROSION CONTROL PLAN FOR LOCATIONS)



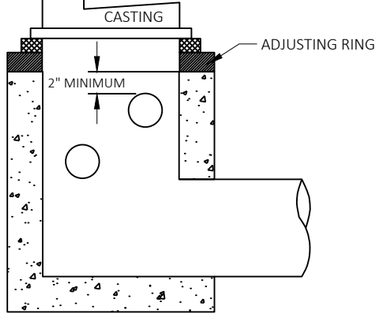
TOP VIEW

SPLIT DETAIL



SECTION A-A

NOTES:
(1) BOTTOM OF PIPE SHALL BE PLACED AT THE BOTTOM OF BASE AGGREGATE OPEN-GRADED.



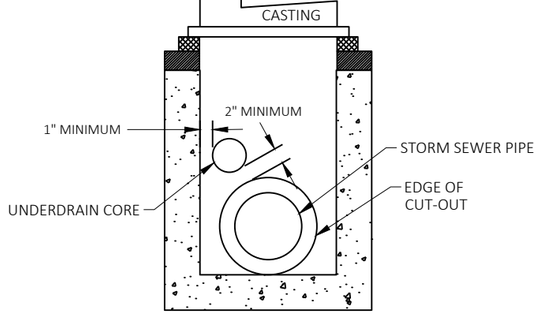
SECTION B-B

NOTES:
(1) TOP OF CORE HOLES SHALL BE A MINIMUM OF 2" BELOW THE TOP OF THE INLET STRUCTURES (BOTTOM OF RINGS).

(2) DRAIN TILES SHALL NOT BE ALLOWED IN THE RING OF THE STRUCTURE OF INLETS OR SEWER ACCESS STRUCTURES.

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

FOUND AT LOW POINTS WITHOUT
FLANKING INLETS



SECTION C-C

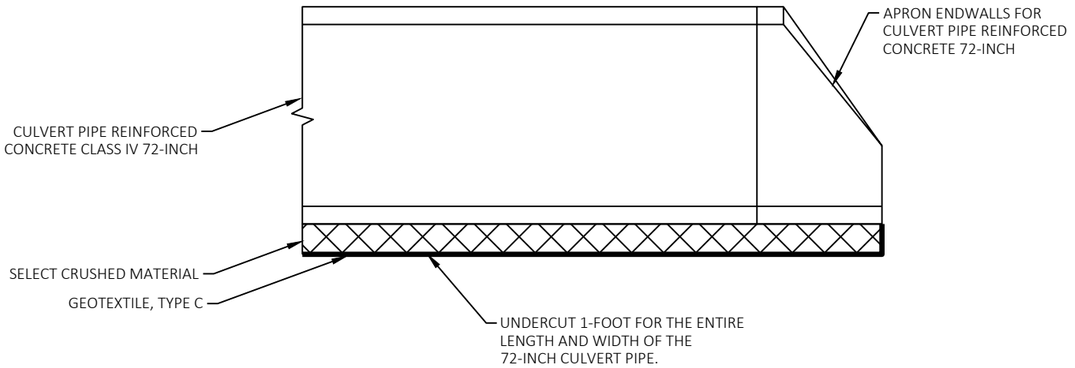
NOTES:
(1) CORE HOLES SHALL PROVIDE FOR A MINIMUM OF 2" OF CONCRETE BETWEEN THE CUTOUT FOR A STORM SEWER PIPE AND THE EDGE OF THE CORE HOLE.

(2) CORE HOLES MAY HAVE 0" CLEARANCE FROM THE INSIDE WALLS OF A STRUCTURE.

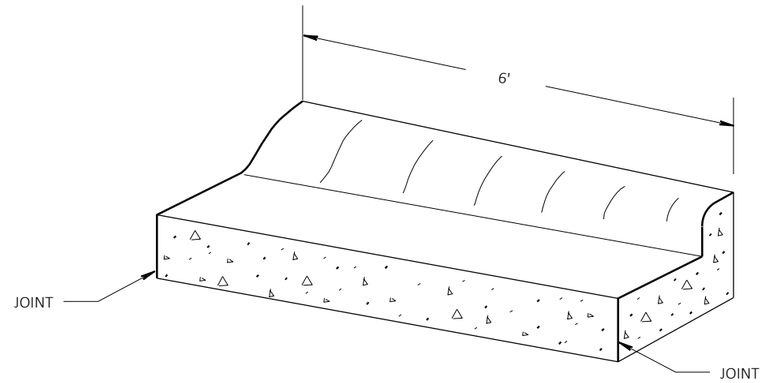
CROSS-SECTION VIEW
TYPICAL INLET IN SUMP CONDITION
WITH UNDERDRAIN CORED INTO WALL
WITH PIPE FOUND AT FLANKING INLETS
NEAR LOWPOINTS

PIPE UNDERDRAIN 6-INCH

(SEE STORM SEWER PLAN FOR LOCATIONS)

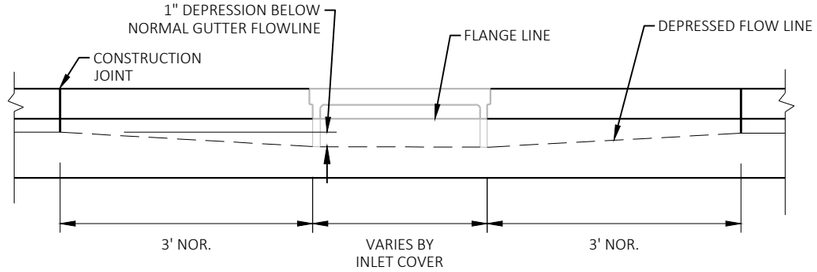


DETAIL FOR 72-INCH CULVERT PIPE BEDDING



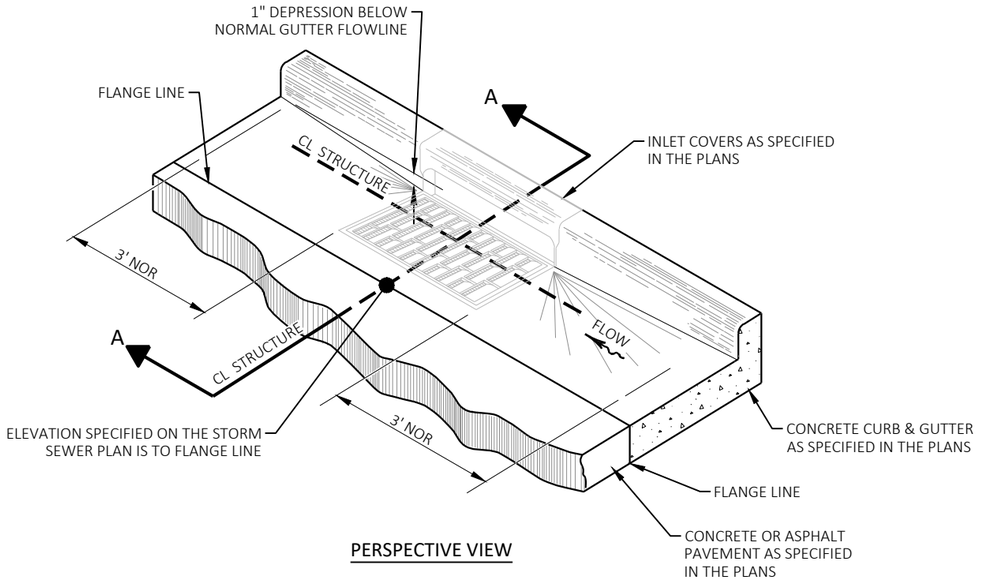
CURB TRANSITION DETAIL

CONC. C&G 6-INCH SLOPED 36-INCH TYPE A TO CONC. C&G 30-INCH TYPE A
(TO BE MEASURED & PAID FOR AS CONC. C&G 6-INCH SLOPED 36-INCH TYPE A)

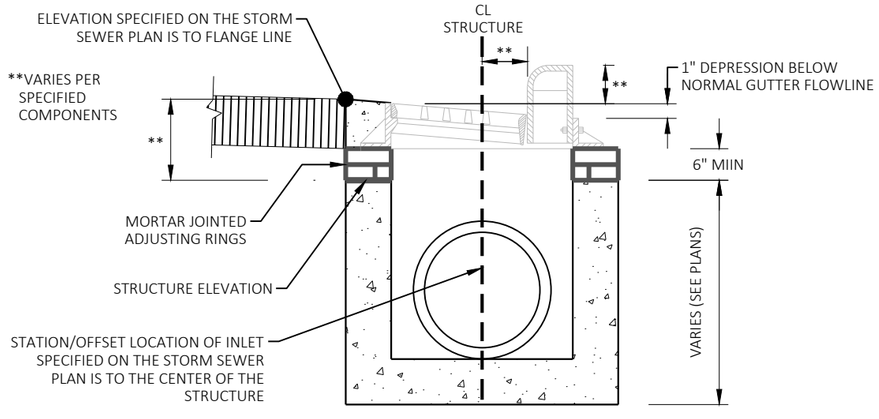


ELEVATION VIEW AT FLANGE LINE

(GRATE AND CURB DETAILS OMITTED FOR DRAWING CLARITY)



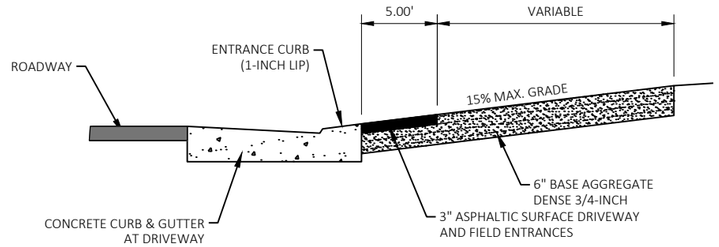
PERSPECTIVE VIEW



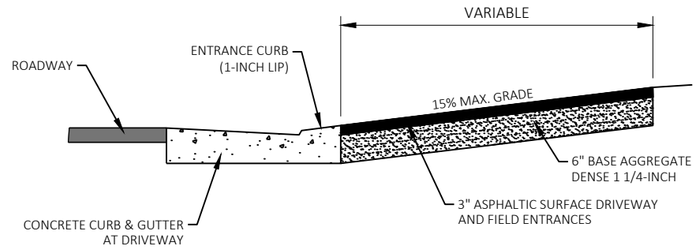
SECTION A-A

NOTE:
INLET COVER - TYPE H AND CONCRETE CURB AND GUTTER 30-INCH SHOWN FOR DETAIL ILLUSTRATION ONLY. GUTTER PAN DEPRESSION IS SIMILAR FOR OTHER CURB AND GUTTER /INLET COMBINATIONS

DETAIL OF CURB AND GUTTER AT INLETS



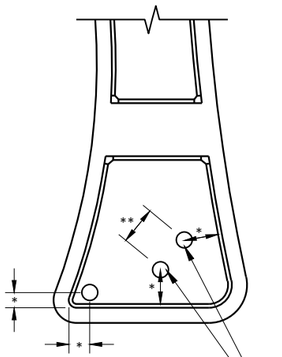
CRUSHED AGGREGATE SURFACE



ASPHALTIC CONCRETE PAVEMENT

DETAIL FOR ENTRANCES WITH CURB & GUTTER

2

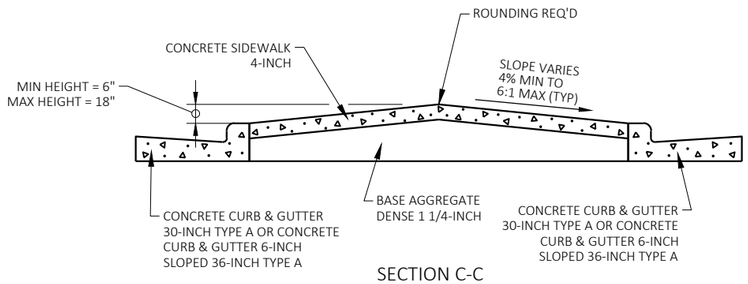


-PLACE 18" DIAMETER PVC BOX-OUT IN CONCRETE FOR SIGN POSTS (TYP). THE NUMBER OF BOX-OUTS REQUIRED VARIES BY THE WIDTH OF THE SIGN, AND SHALL BE VERIFIED BEFORE PLACING CONCRETE IN THE ISLAND.

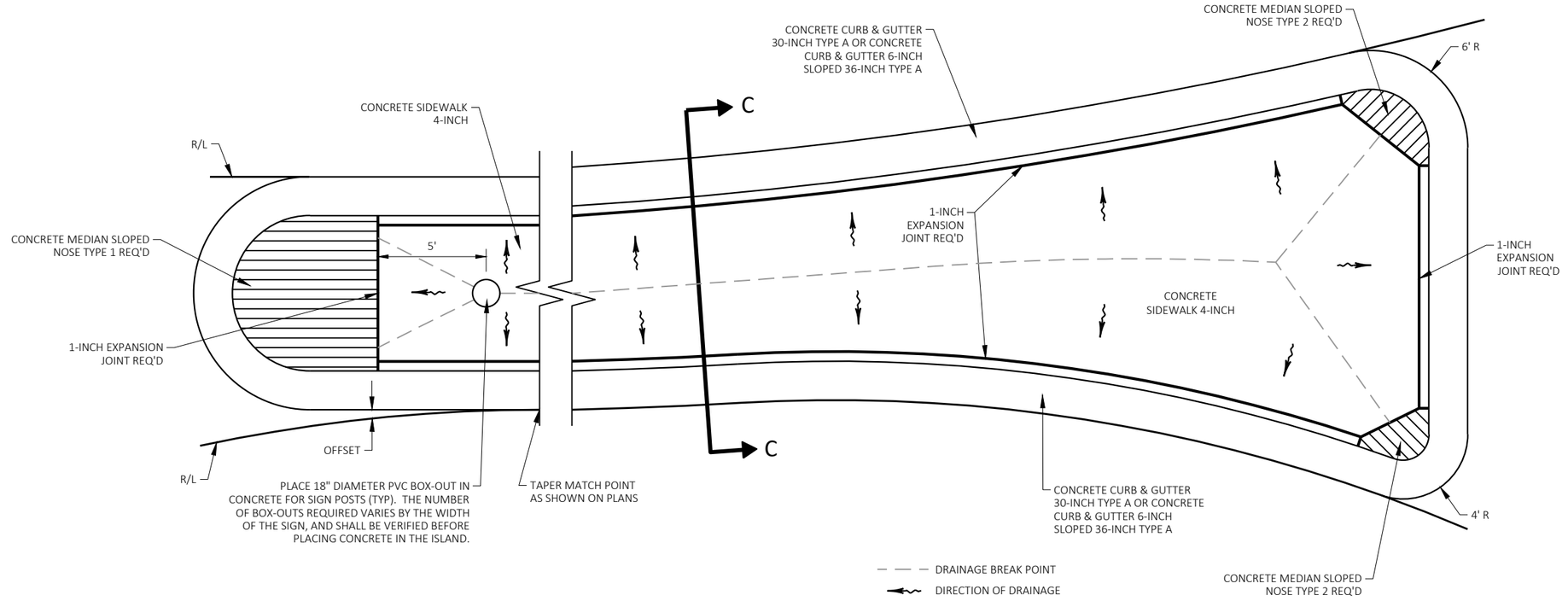
ISLAND SIGN LOCATION DETAIL (TYP)

* DISTANCE TO BE LAID OUT IN THE FIELD BASED ON SIGN SIZE. TWO FOOT MINIMUM CLEARANCE BETWEEN THE EDGE OF SIGN AND THE FACE OF CURB.

** SEE A4-4 SIGN PLATE FOR POST SPACING REQUIREMENTS.



SECTION C-C



SPLITTER ISLAND DETAIL

NOT TO SCALE

2

23

32'NB'

30'NB'

26'NB'

24'NB'

20'NB'

11

62'EB'

64'EB'

66'EB'

70'EB'

72'EB'

74'EB'

REMOVING MASONRY BLOCK RETAINING WALL (84')

REMOVING SMALL PIPE CULVERT

REMOVING SMALL PIPE CULVERT

REMOVING SMALL PIPE CULVERT

REMOVING ROCK RETAINING WALL (86')

REMOVING GUARDRAIL (115')

REMOVING STRUCTURE (C-33-386)

REMOVING WOOD RETAINING WALL (55')

REMOVING CURB & GUTTER (77')

REMOVING STRUCTURE (72" CPRC)

REMOVE EXISTING DRIVEWAY

REMOVING STRUCTURE (C-33-387)

REMOVING SMALL PIPE CULVERT

REMOVING CURB (86')

REMOVING CURB & GUTTER (48')

REMOVING GUARDRAIL (167')

REMOVING FENCE (16')

REMOVING SMALL PIPE CULVERT

REMOVE EXISTING DRIVEWAY

REMOVING SMALL PIPE CULVERT

REMOVING CURB & GUTTER (57')

REMOVING SMALL PIPE CULVERT

REMOVING CURB & GUTTER (58')

REMOVING CURB (82')

REMOVING FENCE (16')

REMOVING SMALL PIPE CULVERT

REMOVING SMALL PIPE CULVERT

COUNTY P

COUNTY P

N

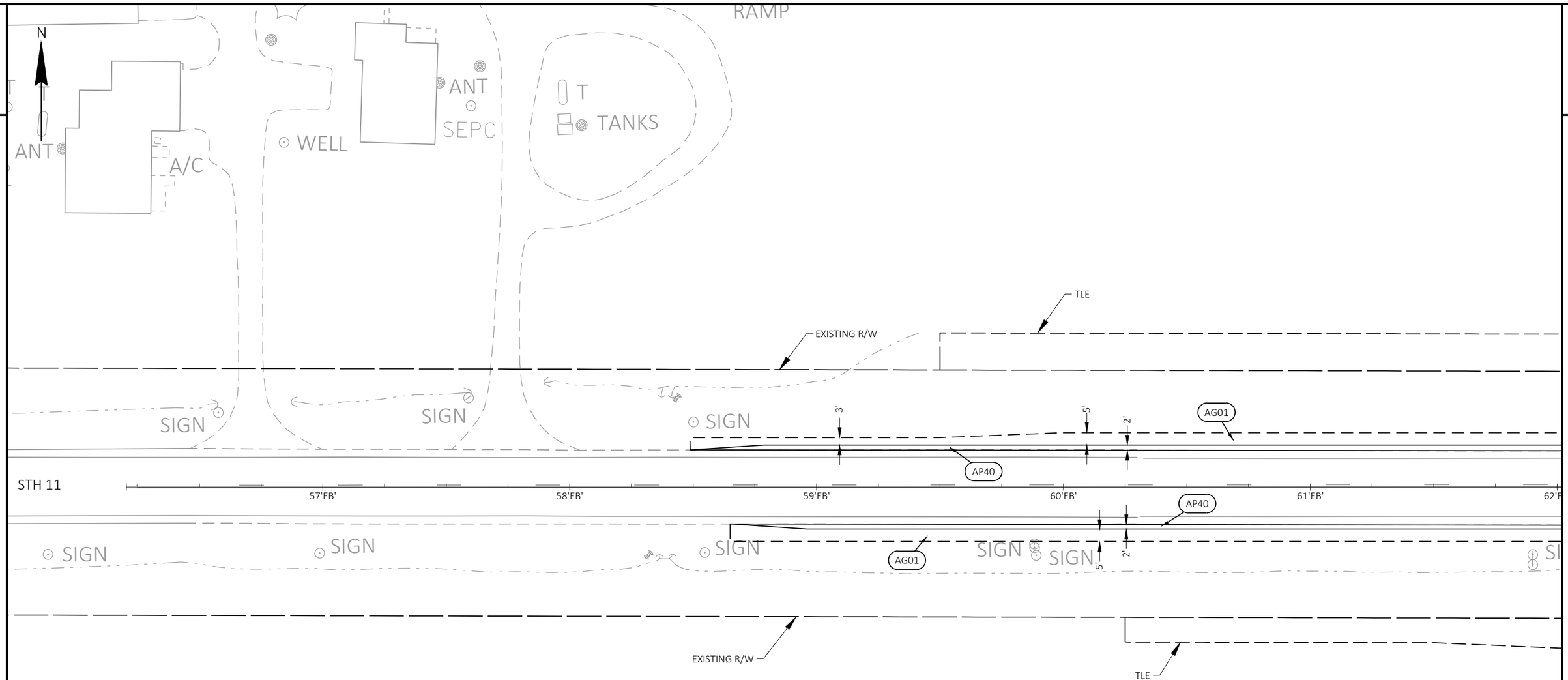
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PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	REMOVAL PLAN	SHEET 21	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_021101-RP.DWG
LAYOUT NAME - 01

PLOT DATE : 3/4/2025 10:58 AM PLOT BY : KUSCHEL, LEVI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42



LEGEND:

AG01	BASE AGGREGATE DENSE 3/4-INCH
AG06	BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
AP35	3.5-INCH HMA PAVEMENT
AP40	4.0-INCH HMA PAVEMENT
AP50	5.0-INCH HMA PAVEMENT
AP65	6.5-INCH HMA PAVEMENT
CP12	CONCRETE TRUCK APRON 12-INCH (COLORING CONC. WISDOT RED)
CP85	CONCRETE PAVEMENT 8.5-INCH
CG30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG36A6	CONCRETE CURB & GUTTER 36-INCH 6-INCH SLOPED TYPE A
CG36A4	CONCRETE CURB & GUTTER 36-INCH 4-INCH SLOPED TYPE A
CG30R4	CONCRETE CURB & GUTTER 30-INCH 4-INCH SLOPED TYPE R
CS04	CONCRETE SIDEWALK 4-INCH
DW03	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
FLUM	ASPHALTIC FLUME
NOSE-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
NOSE-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
XXXX	SAWCUT ASPHALT

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y COORDS	X COORDS
100	62+78.07'EB'	57.75 RT	129791.112	478205.918
101	63+14.22'EB'	56.80 RT	129790.841	478240.926
102	65+00.92'EB'	9.00 LT	129842.380	478430.269
103	65+45.36'EB'	2.00 LT	129833.279	478474.061
104	65+45.36'EB'	200.00 LT	130031.220	478478.892
105	67+36.13'EB'	20.38 LT	129845.859	478672.047
106	67+42.58'EB'	4.00 LT	129827.988	478670.844

N

SLAB

PROPERTY LINE (TYP)

PROPOSED R/W

TLE

EXISTING R/W

R198'

R150'

R300'

62+15'EB'
MATCH EXISTING

STH 11

SIGN

AP40 AP65 CP85 AG01 CG36A6 DW03 CG36A4 CP12 CS04 CG30A NOSE-1 CG30R4

63'WB' 63'EB' 64'WB' 64'EB' 65'WB' 65'EB' 66'WB' 66'EB' 67'WB' 67'EB'

32' 10' 35' 5' 12' 20' 2' R3' R4' R2'

100 101 102 103 104 105 106

A/C T

LEGEND:	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AG06	BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
AP35	3.5-INCH HMA PAVEMENT
AP40	4.0-INCH HMA PAVEMENT
AP50	5.0-INCH HMA PAVEMENT
AP65	6.5-INCH HMA PAVEMENT
CP12	CONCRETE TRUCK APRON 12-INCH (COLORING CONC. WISDOT RED)
CP85	CONCRETE PAVEMENT 8.5-INCH
CG30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG36A6	CONCRETE CURB & GUTTER 36-INCH 6-INCH SLOPED TYPE A
CG36A4	CONCRETE CURB & GUTTER 36-INCH 4-INCH SLOPED TYPE A
CG30R4	CONCRETE CURB & GUTTER 30-INCH 4-INCH SLOPED TYPE R
CS04	CONCRETE SIDEWALK 4-INCH
DW03	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
FLUM	ASPHALTIC FLUME
NOSE-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
NOSE-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
XXXX	SAWCUT ASPHALT

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PLAN DETAILS	SHEET 23	E

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y COORDS	X COORDS
200	13+31.48'C'	84.40 LT	129816.426	478610.315
201	13+31.46'C'	80.53 LT	129816.541	478614.187
202	13+29.83'C'	68.69 LT	129813.494	478626.192
203	13+27.95'C'	60.42 LT	129810.265	478634.751
204	13+22.28'C'	46.43 LT	129801.650	478650.110
205	13+06.84'C'	26.22 LT	129784.481	478676.901
206	13+04.89'C'	25.64 LT	129782.229	478678.671
207	13+10.95'C'	92.58 LT	129765.295	478612.893
208	12+93.61'C'	176.30 LT	129675.357	478569.177
209	13+52.42'C'	88.31 LT	129867.317	478613.457
210	13+70.32'C'	42.10 LT	129880.305	478670.937

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y COORDS	X COORDS
211	10+23.40'C'	30.78 LT	129903.177	478714.350
212	10+40.58'C'	48.02 LT	129928.215	478736.009
213	10+44.71'C'	63.93 LT	129945.068	478741.705
214	10+22.23'C'	326.72 LT	130165.019	478576.396
215	10+16.30'C'	179.77 LT	130022.662	478623.667
216	10+18.07'C'	110.02 LT	129966.902	478665.986
217	10+24.23'C'	84.71 LT	129952.395	478692.244
218	10+67.92'C'	86.40 LT	129962.415	478795.426
219	10+69.96'C'	76.37 LT	129951.413	478797.064
220	10+77.20'C'	55.25 LT	129926.229	478803.408
221	10+95.12'C'	33.74 LT	129891.305	478817.535

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y COORDS	X COORDS
222	11+18.65'C'	33.46 LT	129861.861	478839.061
223	11+31.22'C'	53.49 LT	129848.061	478865.033
224	11+35.99'C'	84.77 LT	129843.990	478897.674
225	10+96.15'C'	145.30 LT	129971.621	478895.001
226	11+14.33'C'	326.33 LT	130012.036	479090.875
227	11+09.71'C'	229.71 LT	129983.434	478995.053
228	11+07.13'C'	150.41 LT	129946.582	478924.046
229	11+11.54'C'	81.57 LT	129897.162	478874.472
230	10+82.50'C'	254.15 LT	130093.566	478912.225

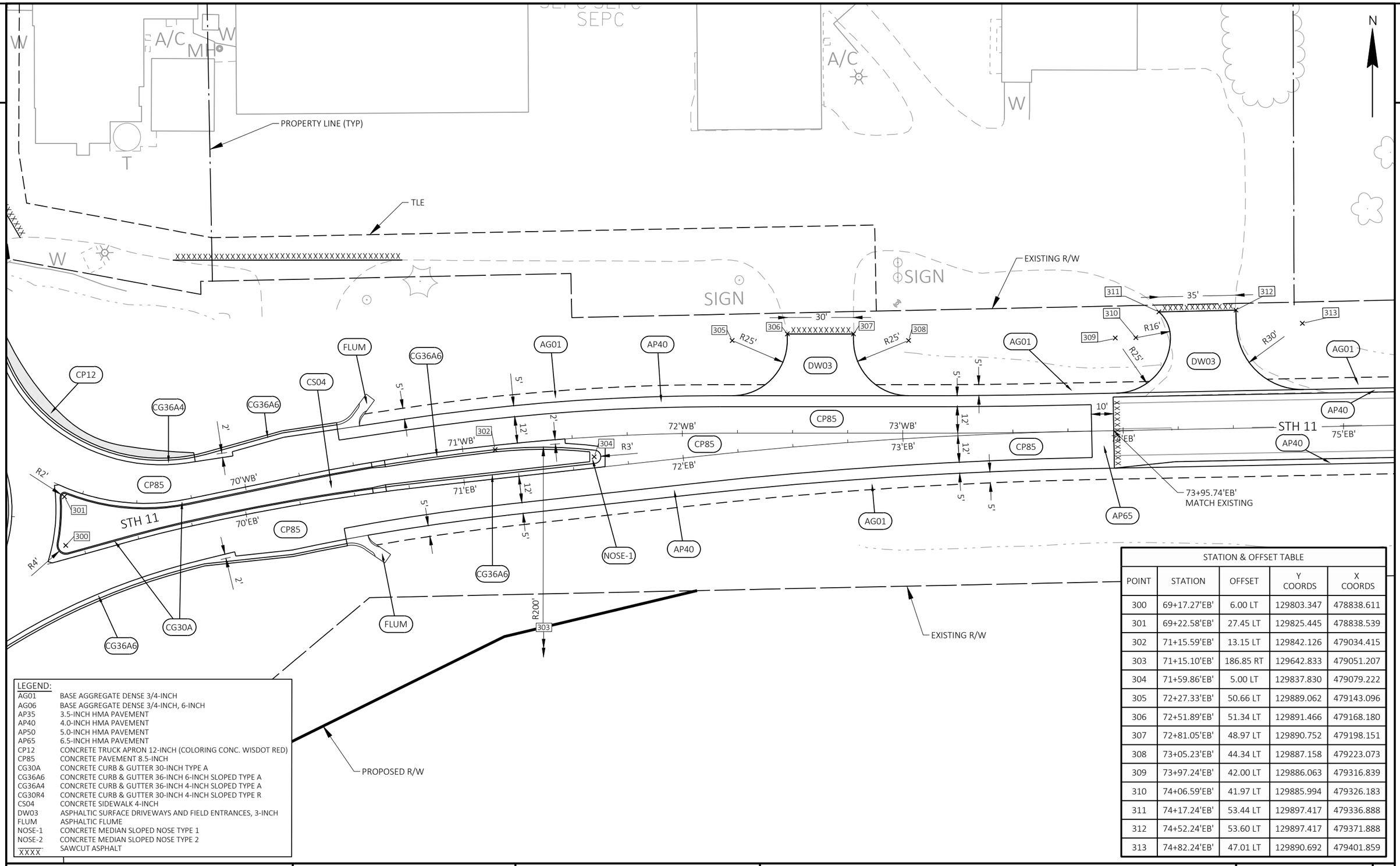
LEGEND:

AG01	BASE AGGREGATE DENSE 3/4-INCH
AG06	BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
AP35	3.5-INCH HMA PAVEMENT
AP40	4.0-INCH HMA PAVEMENT
AP50	5.0-INCH HMA PAVEMENT
AP65	6.5-INCH HMA PAVEMENT
CP12	CONCRETE TRUCK APRON 12-INCH (COLORING CONC. WISDOT RED)
CP85	CONCRETE PAVEMENT 8.5-INCH
CG30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG36A6	CONCRETE CURB & GUTTER 36-INCH 6-INCH SLOPED TYPE A
CG36A4	CONCRETE CURB & GUTTER 36-INCH 4-INCH SLOPED TYPE A
CG30R4	CONCRETE CURB & GUTTER 30-INCH 4-INCH SLOPED TYPE R
CS04	CONCRETE SIDEWALK 4-INCH
DW03	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
FLUM	ASPHALTIC FLUME
NOSE-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
NOSE-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
XXXX	SAWCUT ASPHALT

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PLAN DETAILS	SHEET 24	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_021201-PD.DWG
LAYOUT NAME - 03

PLOT DATE : 4/22/2025 4:08 PM PLOT BY : KUSCHEL, LEVI PLOT NAME : PLOT SCALE : 1 IN:40 FT



LEGEND:

AG01	BASE AGGREGATE DENSE 3/4-INCH
AG06	BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
AP35	3.5-INCH HMA PAVEMENT
AP40	4.0-INCH HMA PAVEMENT
AP50	5.0-INCH HMA PAVEMENT
AP65	6.5-INCH HMA PAVEMENT
CP12	CONCRETE TRUCK APRON 12-INCH (COLORING CONC. WISDOT RED)
CP85	CONCRETE PAVEMENT 8.5-INCH
CG30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG36A6	CONCRETE CURB & GUTTER 36-INCH 6-INCH SLOPED TYPE A
CG36A4	CONCRETE CURB & GUTTER 36-INCH 4-INCH SLOPED TYPE A
CG30R4	CONCRETE CURB & GUTTER 30-INCH 4-INCH SLOPED TYPE R
CS04	CONCRETE SIDEWALK 4-INCH
DW03	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
FLUM	ASPHALTIC FLUME
NOSE-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
NOSE-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
XXXX	SAWCUT ASPHALT

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS
300	69+17.27'EB'	6.00 LT	129803.347	478838.611
301	69+22.58'EB'	27.45 LT	129825.445	478838.539
302	71+15.59'EB'	13.15 LT	129842.126	479034.415
303	71+15.10'EB'	186.85 RT	129642.833	479051.207
304	71+59.86'EB'	5.00 LT	129837.830	479079.222
305	72+27.33'EB'	50.66 LT	129889.062	479143.096
306	72+51.89'EB'	51.34 LT	129891.466	479168.180
307	72+81.05'EB'	48.97 LT	129890.752	479198.151
308	73+05.23'EB'	44.34 LT	129887.158	479223.073
309	73+97.24'EB'	42.00 LT	129886.063	479316.839
310	74+06.59'EB'	41.97 LT	129885.994	479326.183
311	74+17.24'EB'	53.44 LT	129897.417	479336.888
312	74+52.24'EB'	53.60 LT	129897.417	479371.888
313	74+82.24'EB'	47.01 LT	129890.692	479401.859

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PLAN DETAILS	SHEET 25	E

2

N

PROPERTY LINE (TYP)

T

A/C

ANT

SEPV

SEPV

SEPV

SEPC

SEPV

SEPV

SIGN

SIGN

SIGN

SIGN

AG01

AP40

2"

5"

76'EB'

77'EB'

78'EB'

STH 11

AP40

AG01

2"

5"

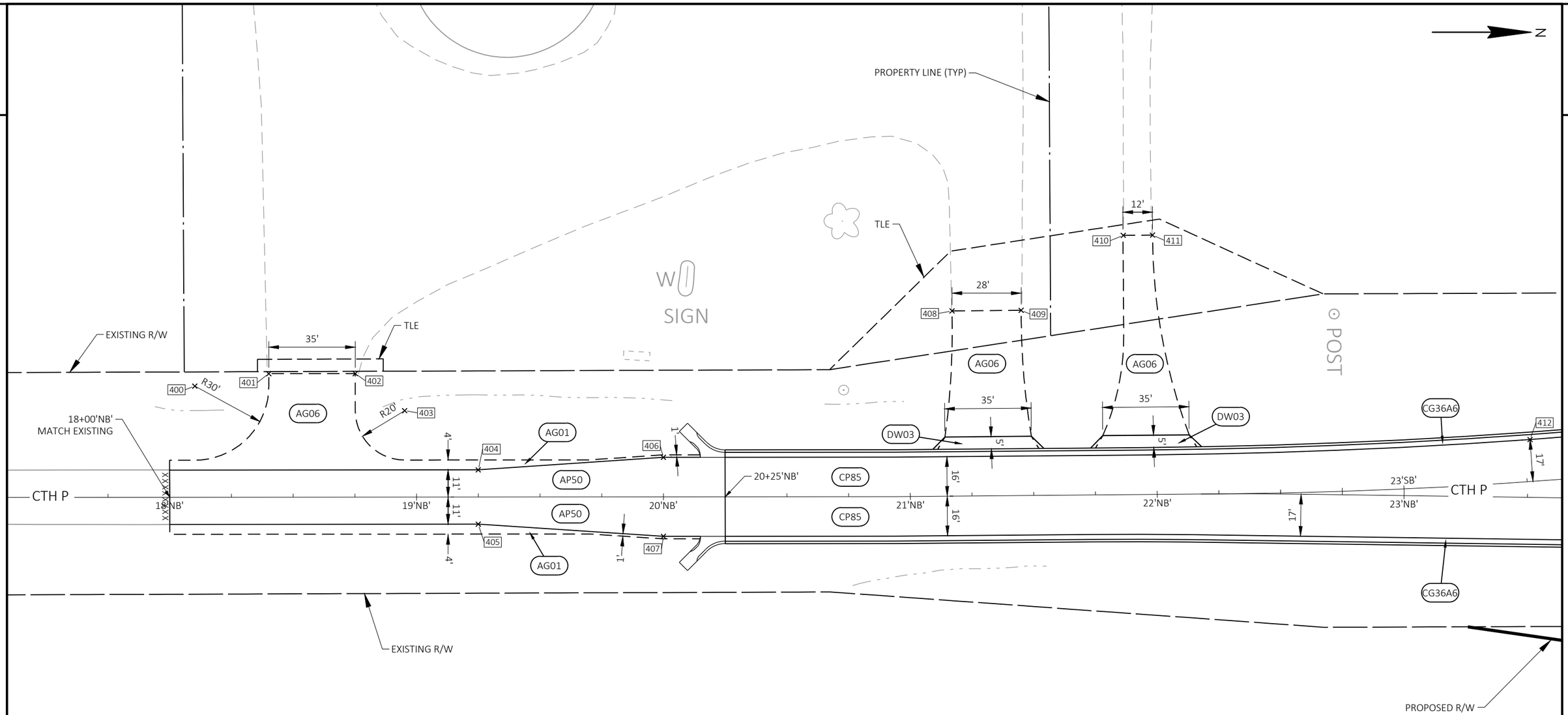
SIGN

SIGN

SIGN

LEGEND:

AG01	BASE AGGREGATE DENSE 3/4-INCH
AG06	BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
AP35	3.5-INCH HMA PAVEMENT
AP40	4.0-INCH HMA PAVEMENT
AP50	5.0-INCH HMA PAVEMENT
AP65	6.5-INCH HMA PAVEMENT
CP12	CONCRETE TRUCK APRON 12-INCH (COLORING CONC. WISDOT RED)
CP85	CONCRETE PAVEMENT 8.5-INCH
CG30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG36A6	CONCRETE CURB & GUTTER 36-INCH 6-INCH SLOPED TYPE A
CG36A4	CONCRETE CURB & GUTTER 36-INCH 4-INCH SLOPED TYPE A
CG30R4	CONCRETE CURB & GUTTER 30-INCH 4-INCH SLOPED TYPE R
CS04	CONCRETE SIDEWALK 4-INCH
DW03	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
FLUM	ASPHALTIC FLUME
NOSE-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
NOSE-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
XXXX	SAWCUT ASPHALT



LEGEND:

AG01	BASE AGGREGATE DENSE 3/4-INCH
AG06	BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
AP35	3.5-INCH HMA PAVEMENT
AP40	4.0-INCH HMA PAVEMENT
AP50	5.0-INCH HMA PAVEMENT
AP65	6.5-INCH HMA PAVEMENT
CP12	CONCRETE TRUCK APRON 12-INCH (COLORING CONC. WISDOT RED)
CP85	CONCRETE PAVEMENT 8.5-INCH
CG30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG36A6	CONCRETE CURB & GUTTER 36-INCH 6-INCH SLOPED TYPE A
CG36A4	CONCRETE CURB & GUTTER 36-INCH 4-INCH SLOPED TYPE A
CG30R4	CONCRETE CURB & GUTTER 30-INCH 4-INCH SLOPED TYPE R
CS04	CONCRETE SIDEWALK 4-INCH
DW03	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
FLUM	ASPHALTIC FLUME
NOSE-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
NOSE-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
XXXX	SAWCUT ASPHALT

STATION & OFFSET TABLE

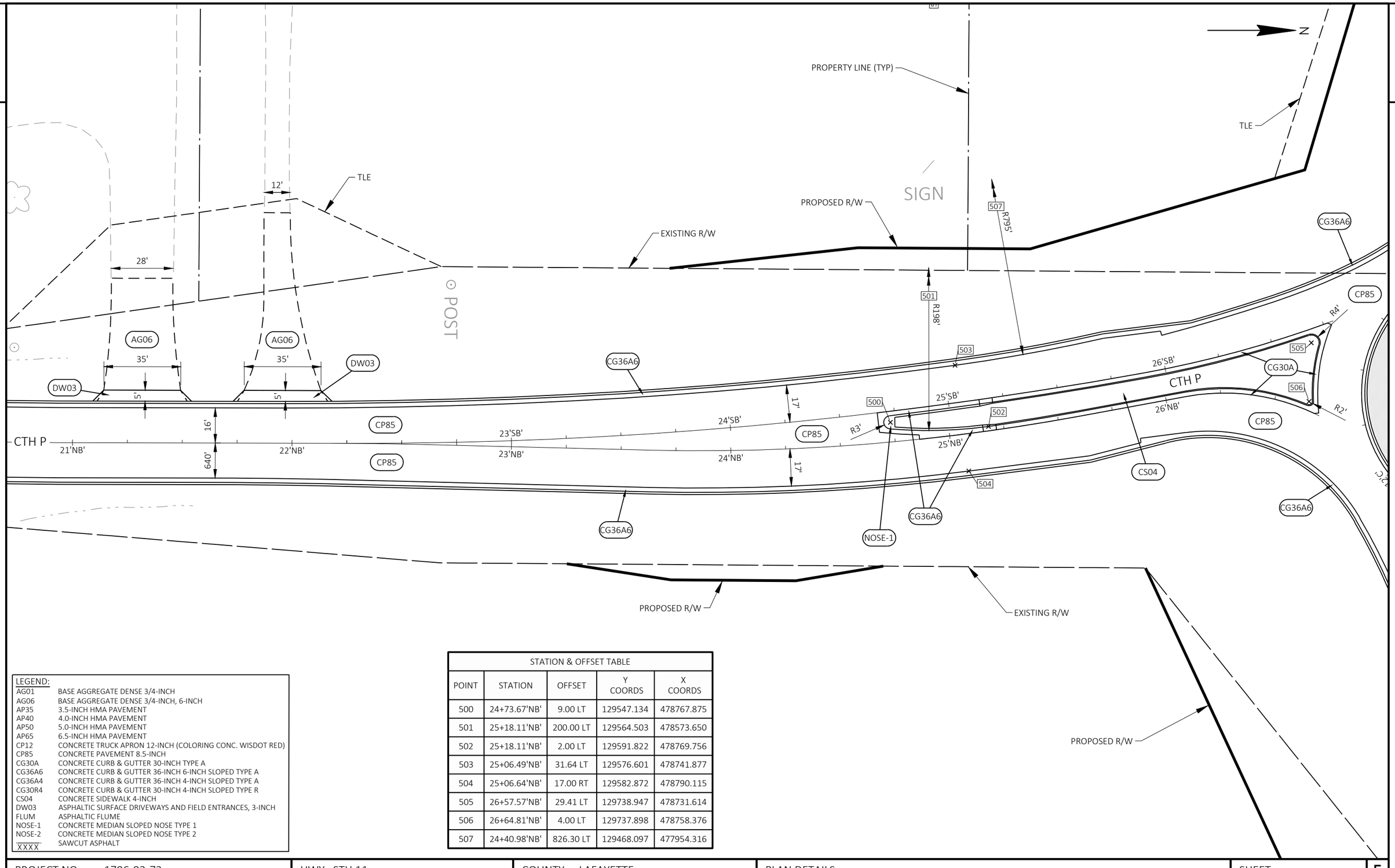
POINT	STATION	OFFSET	Y COORDS	X COORDS
400	18+10.21'NB'	45.00 LT	128885.124	478729.309
401	18+40.21'NB'	50.00 LT	128915.172	478724.611
402	18+75.21'NB'	50.00 LT	128950.170	478724.962
403	18+95.21'NB'	35.00 LT	128970.019	478740.161
404	19+25.00'NB'	11.00 LT	128999.568	478764.459
405	19+25.00'NB'	11.00 RT	128999.348	478786.458
406	20+00.00'NB'	16.00 LT	129074.615	478760.211

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS
407	20+00.00'NB'	16.00 RT	129074.294	478792.209
408	21+17.55'NB'	75.00 LT	129192.157	478702.200
409	21+45.55'NB'	75.00 LT	129220.157	478702.259
410	21+87.18'NB'	105.00 LT	129261.852	478672.345
411	21+99.03'NB'	105.00 LT	129273.700	478672.370
412	23+50.72'NB'	23.42 LT	129425.715	478756.813

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PLAN DETAILS	SHEET 27	E

2



LEGEND:

AG01	BASE AGGREGATE DENSE 3/4-INCH
AG06	BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
AP35	3.5-INCH HMA PAVEMENT
AP40	4.0-INCH HMA PAVEMENT
AP50	5.0-INCH HMA PAVEMENT
AP65	6.5-INCH HMA PAVEMENT
CP12	CONCRETE TRUCK APRON 12-INCH (COLORING CONC. WISDOT RED)
CP85	CONCRETE PAVEMENT 8.5-INCH
CG30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG36A6	CONCRETE CURB & GUTTER 36-INCH 6-INCH SLOPED TYPE A
CG36A4	CONCRETE CURB & GUTTER 36-INCH 4-INCH SLOPED TYPE A
CG30R4	CONCRETE CURB & GUTTER 30-INCH 4-INCH SLOPED TYPE R
CS04	CONCRETE SIDEWALK 4-INCH
DW03	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
FLUM	ASPHALTIC FLUME
NOSE-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
NOSE-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
XXXX	SAWCUT ASPHALT

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS
500	24+73.67'NB'	9.00 LT	129547.134	478767.875
501	25+18.11'NB'	200.00 LT	129564.503	478573.650
502	25+18.11'NB'	2.00 LT	129591.822	478769.756
503	25+06.49'NB'	31.64 LT	129576.601	478741.877
504	25+06.64'NB'	17.00 RT	129582.872	478790.115
505	26+57.57'NB'	29.41 LT	129738.947	478731.614
506	26+64.81'NB'	4.00 LT	129737.898	478758.376
507	24+40.98'NB'	826.30 LT	129468.097	477954.316

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PLAN DETAILS	SHEET 28	E

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y COORDS	X COORDS
600	28+37.69'NB'	23.05 LT	129905.792	478756.536
601	28+36.11'NB'	6.00 LT	129905.679	478773.662
602	28+78.71'NB'	10.85 LT	129947.709	478765.160
603	28+74.36'NB'	26.90 RT	129946.621	478803.144
604	28+88.71'NB'	5.02 LT	129958.174	478770.106
605	28+94.09'NB'	33.97 RT	129966.539	478808.521
606	29+31.66'NB'	36.29 RT	130001.526	478809.507
607	29+74.16'NB'	42.97 LT	130045.191	478731.250
608	29+84.16'NB'	61.00 LT	130055.695	478713.507
609	30+02.16'NB'	61.00 LT	130073.688	478714.014

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y COORDS	X COORDS
610	30+12.16'NB'	44.00 LT	130083.205	478731.288
611	30+35.74'NB'	2.00 LT	130105.592	478773.936
612	30+14.70'NB'	12.02 LT	130084.851	478763.324
613	30+35.74'NB'	40.00 LT	130106.663	478735.952
614	30+54.91'NB'	14.51 LT	130125.115	478761.967
615	30+48.21'NB'	183.37 RT	130112.837	478959.586
616	30+98.62'NB'	5.00 LT	130168.534	478772.709
617	31+31.50'NB'	37.00 RT	130200.215	478815.619
618	31+52.50'NB'	37.00 RT	130221.207	478816.211

LEGEND:	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AG06	BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
AP35	3.5-INCH HMA PAVEMENT
AP40	4.0-INCH HMA PAVEMENT
AP50	5.0-INCH HMA PAVEMENT
AP65	6.5-INCH HMA PAVEMENT
CP12	CONCRETE TRUCK APRON 12-INCH (COLORING CONC. WISDOT RED)
CP85	CONCRETE PAVEMENT 8.5-INCH
CG30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG36A6	CONCRETE CURB & GUTTER 36-INCH 6-INCH SLOPED TYPE A
CG36A4	CONCRETE CURB & GUTTER 36-INCH 4-INCH SLOPED TYPE A
CG30R4	CONCRETE CURB & GUTTER 30-INCH 4-INCH SLOPED TYPE R
CS04	CONCRETE SIDEWALK 4-INCH
DW03	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
FLUM	ASPHALTIC FLUME
NOSE-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
NOSE-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
XXXX	SAWCUT ASPHALT

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PLAN DETAILS	SHEET 29	E

2

N

SLAB

STH 11

62'EB'

63'WB'

63'EB'

64'WB'

64'EB'

65'WB'

65'EB'

66'WB'

66'EB'

67'WB'

67'EB'

121'SW'

STH 11

SIGN

A/C

A/C

T

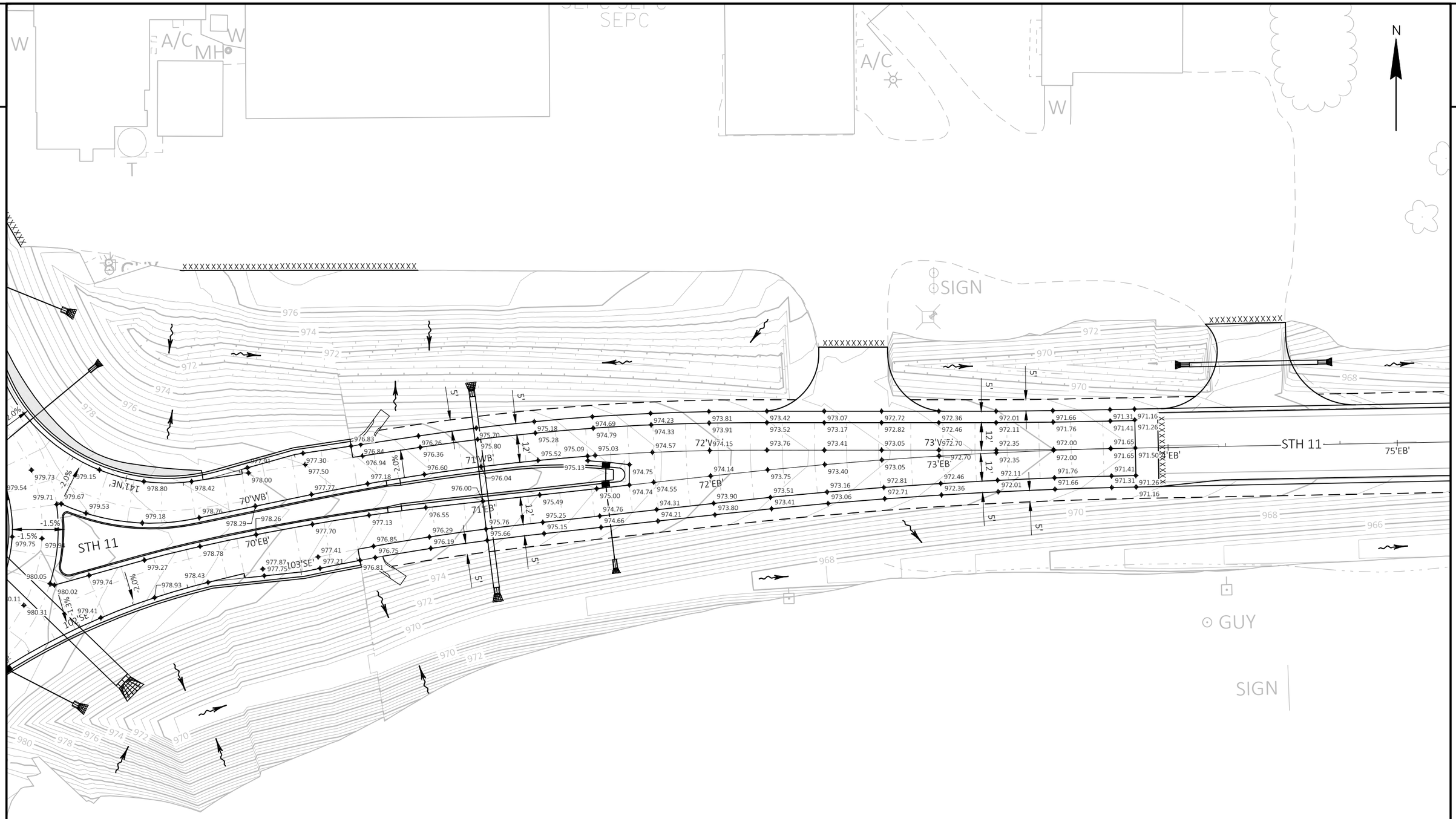
NOTE: SURFACE PROVIDED AS REFERENCE. SURFACE AND CONTOUR IRREGULARITIES ARE PROVIDED FOR VISUAL USE ONLY.

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PAVING GRADES	SHEET 30	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_021202-PD (GRADES).DWG
LAYOUT NAME - 01

PLOT DATE : 4/30/2025 8:14 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



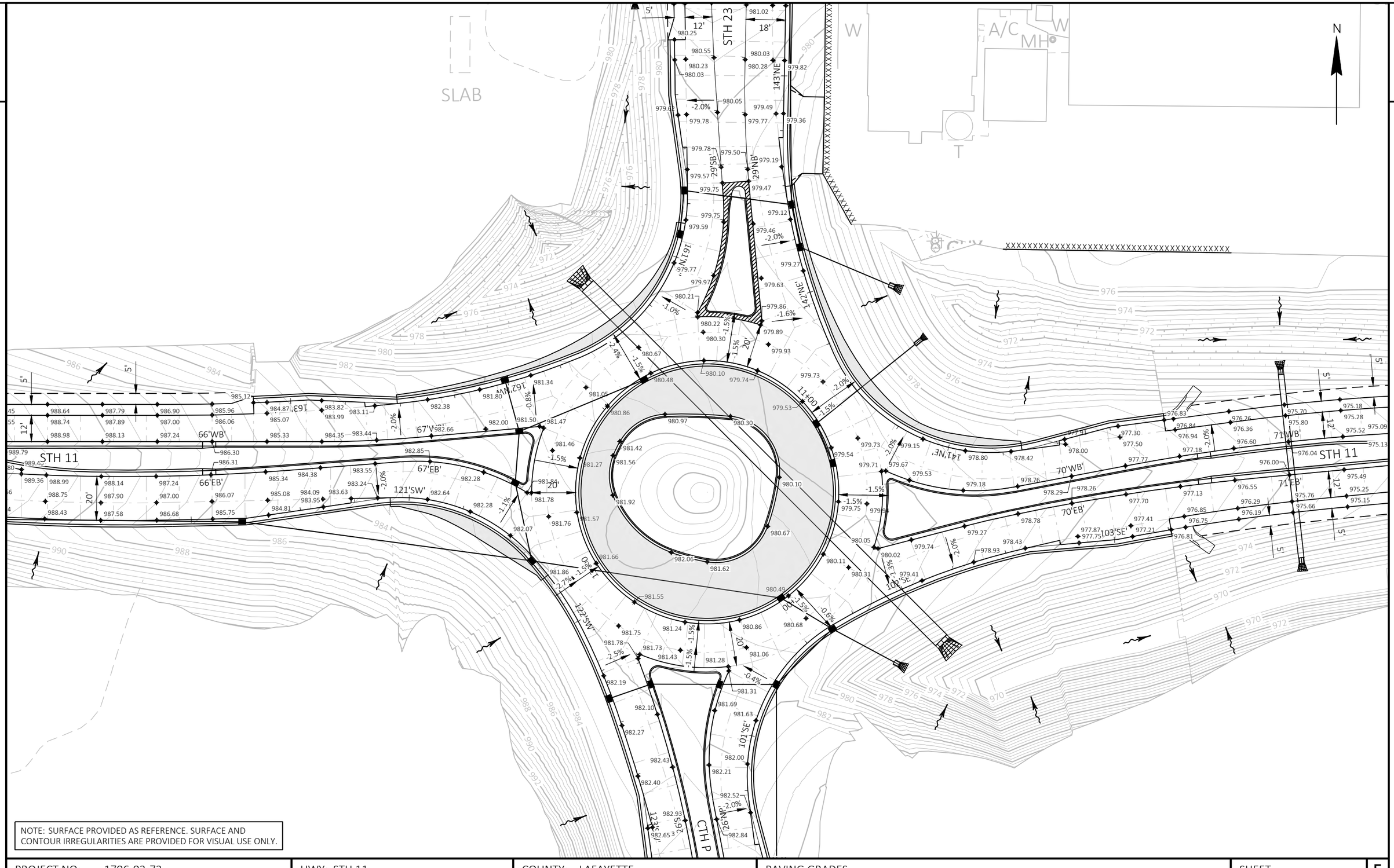
NOTE: SURFACE PROVIDED AS REFERENCE. SURFACE AND CONTOUR IRREGULARITIES ARE PROVIDED FOR VISUAL USE ONLY.

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PAVING GRADES	SHEET 31	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_021202-PD (GRADES).DWG
LAYOUT NAME - 03

PLOT DATE : 4/30/2025 8:14 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PAVING GRADES	SHEET 32	E

2

N

W

SIGN

PC

CTH P

18'Nᴅ 985.51 985.29

19'Nᴅ 988.20 987.98 988.73 988.51 989.21 988.99 989.64 989.42 990.01 989.79

20'Nᴅ 990.01 989.79 990.33 990.11 990.59 990.37 990.80 990.58

21'Nᴅ 990.96 990.74 991.06 990.84 991.10 990.88 991.10 990.88

22'Nᴅ 991.03 990.81 990.91 990.68 990.74 990.50 990.52 990.28

23'Nᴅ 990.24 990.00 989.90 989.66 989.51 989.27

23'Sᴅ 990.24 990.00 989.90 989.66 989.47 989.28 989.08 989.07

CTH P

988.96 989.35 989.69 990.01 990.11 990.17 990.38 990.54 990.64 990.69 990.68 990.61 990.49 990.32 990.09 989.80 989.67 989.52

990.01 990.17 990.38 990.54 990.64 990.84 990.89 990.88 990.81 990.69 990.52 990.29 990.00 989.90

990.75 990.52 990.24

988.96 989.35 989.69 990.01 990.11 990.17 990.38 990.54 990.64 990.68 990.68 990.61 990.48 990.30 990.08 989.80 989.46

4'

11'

11'

4'

-2.0%

-2.0%

17'

17'

982 984 986 988 990 992 994 996 998 1000 1002 1004

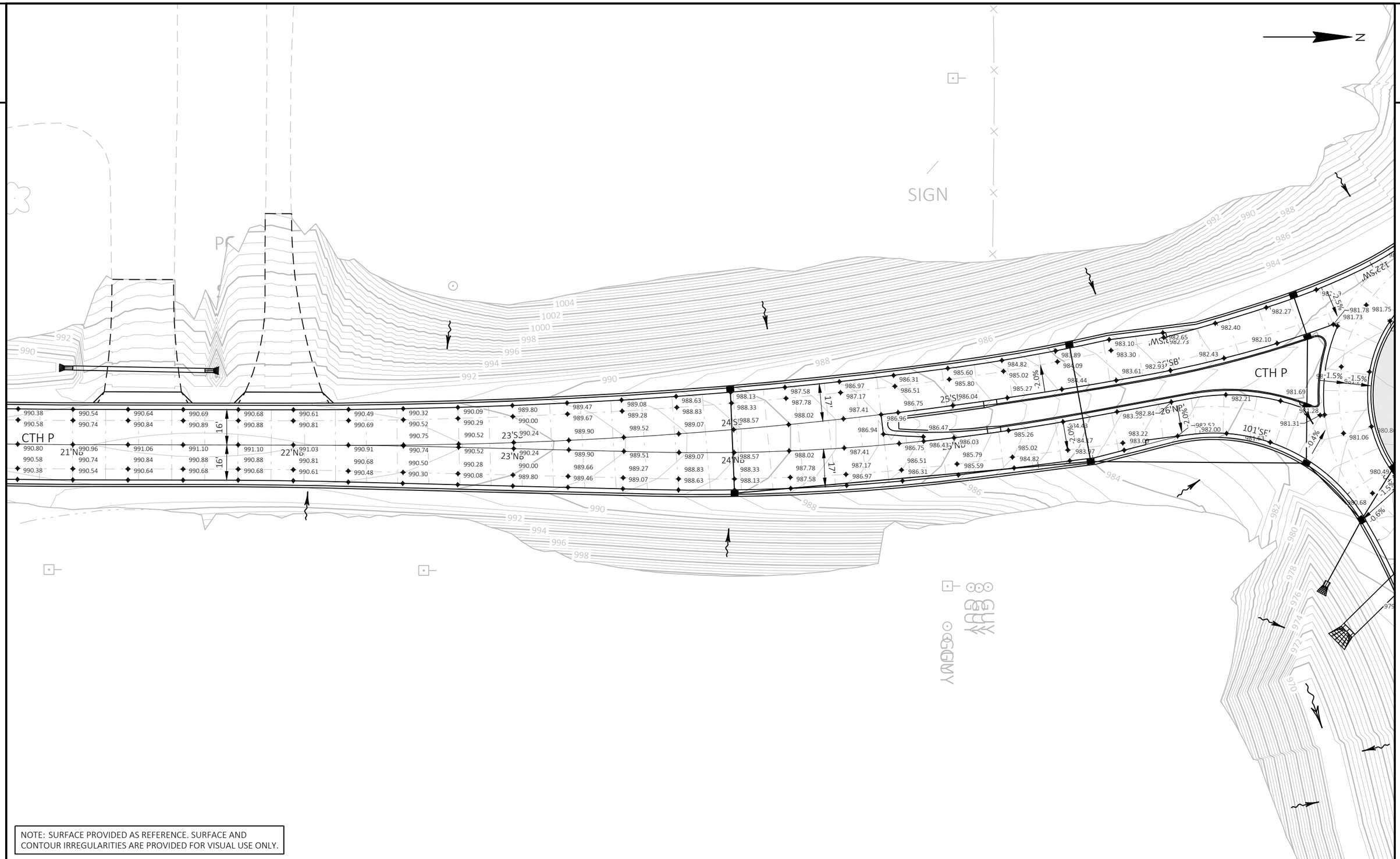
NOTE: SURFACE PROVIDED AS REFERENCE. SURFACE AND CONTOUR IRREGULARITIES ARE PROVIDED FOR VISUAL USE ONLY.

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PAVING GRADES	SHEET 33	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_021202-PD (GRADES).DWG
LAYOUT NAME - 04

PLOT DATE : 4/30/2025 8:14 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



NOTE: SURFACE PROVIDED AS REFERENCE. SURFACE AND CONTOUR IRREGULARITIES ARE PROVIDED FOR VISUAL USE ONLY.

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PAVING GRADES	SHEET 34	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_021202-PD (GRADES).DWG
LAYOUT NAME - 05

PLOT DATE : 4/30/2025 8:14 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

SLAB

STH 23

29'SB

30'NB

31'NB

32'NB

33'NB

34'NB'

143'NE

161'NW

SIGN

WELL

ANT

A/C

MH

POST

WALLS

SEPC

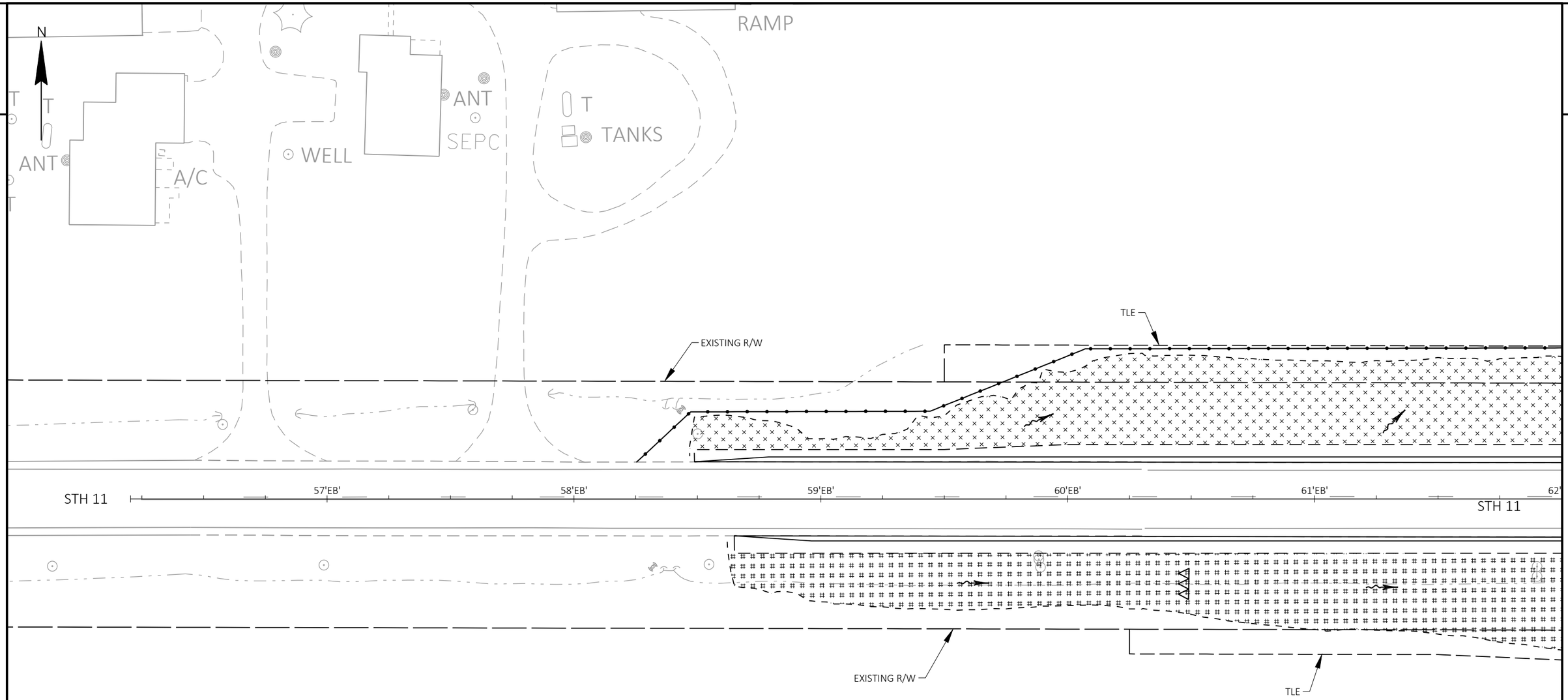
NOTE: SURFACE PROVIDED AS REFERENCE. SURFACE AND CONTOUR IRREGULARITIES ARE PROVIDED FOR VISUAL USE ONLY.

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PAVING GRADES	SHEET 35	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_021202-PD (GRADES).DWG
LAYOUT NAME - 06

PLOT DATE : 4/30/2025 8:14 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

- SLOPE INTERCEPT
- SURFACE WATER FLOW DIRECTION
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I, TYPE A
- SILT FENCE
- RIRPRAP (TYPE)
- CULVERT PIPE CHECK
- INLET PROTECTION (TYPE)
- DITCH CHECK

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	EROSION CONTROL PLAN	SHEET 36	E

N

SLAB

PROPOSED R/W

PROPERTY LINE (TYP)

TLE

EXISTING R/W

TLE

MEDIUM

TYPE A & C

STH 11

62'EB'

63'EB'

63'WB'

64'EB'

64'WB'

65'EB'

65'WB'

66'EB'

66'WB'

67'EB'

67'WB'

STH 11

TYPE A & C

TYPE A & C

TYPE A & C

TYPE A & C

TYPE A

TYPE A & C

TYPE A & C

EXISTING R/W

TLE

PROPOSED R/W

A/C

A/C

T

LEGEND

- SLOPE INTERCEPT
- SURFACE WATER FLOW DIRECTION
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I, TYPE A
- SILT FENCE
- RIRPRAP (TYPE)
- CULVERT PIPE CHECK
- INLET PROTECTION (TYPE)
- DITCH CHECK

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	EROSION CONTROL PLAN	SHEET 37	E

N

PROPERTY LINE (TYP)

PROPOSED R/W

TLE

EXISTING R/W

STH 23

29'SB'

29'NB'

MEDIUM

LIGHT

HEAVY

TYPE A & C

11+00

STH 11

66'WB'

67'WB'

66'EB'

67'EB'

70'WB'

71'WB'

70'EB'

71'EB'

CTH P

26'SB'

26'NB'

LEGEND

- SLOPE INTERCEPT
- SURFACE WATER FLOW DIRECTION
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I, TYPE A
- SILT FENCE
- RIRPRAP (TYPE)
- CULVERT PIPE CHECK
- INLET PROTECTION (TYPE)
- DITCH CHECK

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	EROSION CONTROL PLAN	SHEET 38	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_022001-EC.DWG
LAYOUT NAME - 03

PLOT DATE : 4/30/2025 9:06 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

PROPERTY LINE (TYP)

EXISTING R/W

TLE

W

A/C

MH

T

SEPC

MEDIUM

LIGHT

TYPE A & C

71'WB'

72'WB'

73'WB'

73'EB'

72'EB'

71'EB'

70'WB'

70'EB'

74'EB'

75'EB'

STH 11

13'

9'

8'

5'

6'

PROPOSED R/W

EXISTING R/W

LEGEND

- SLOPE INTERCEPT
- SURFACE WATER FLOW DIRECTION
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I, TYPE A
- SILT FENCE
- RIRPRAP (TYPE)
- CULVERT PIPE CHECK
- INLET PROTECTION (TYPE)
- DITCH CHECK

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	EROSION CONTROL PLAN	SHEET 39	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_022001-EC.DWG
LAYOUT NAME - 04
PLOT DATE : 4/30/2025 9:06 AM
PLOT BY : BUTTERIS, BRADLEY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

A/C

ANT

T

SEPV

SEPV

SEPV

SEPV

SEPV

SEPC

SEPV

PROPERTY LINE

EXISTING R/W

STH 11

B'

STH 11

76'EB'

77'EB'

78'EB'

EXISTING R/W

LEGEND

- SLOPE INTERCEPT
- SURFACE WATER FLOW DIRECTION
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I, TYPE A
- SILT FENCE
- RIRPRAP (TYPE)
- CULVERT PIPE CHECK
- INLET PROTECTION (TYPE)
- DITCH CHECK

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	EROSION CONTROL PLAN	SHEET 40	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_022001-EC.DWG
LAYOUT NAME - 05

PLOT DATE : 4/30/2025 9:06 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

PROPERTY LINE (TYP)

EXISTING R/W

TLE

TLE

MEDIUM

6'

13'

MEDIUM

6'

13'

LIGHT

LIGHT

CTH P

CTH P

17'NB'

18'NB'

19'NB'

20'NB'

21'NB'

22'NB'

EXISTING R/W

LEGEND

- SLOPE INTERCEPT
- SURFACE WATER FLOW DIRECTION
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I, TYPE A
- SILT FENCE
- RIRPRAP (TYPE)
- CULVERT PIPE CHECK
- INLET PROTECTION (TYPE)
- DITCH CHECK

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	EROSION CONTROL PLAN	SHEET 41	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_022001-EC.DWG
LAYOUT NAME - 06

PLOT DATE : 4/30/2025 9:06 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

PROPERTY LINE (TYP)

N

TLE

TLE

PROPOSED R/W

EXISTING R/W

MEDIUM

13'

TYPE A & C

TYPE A & C

TYPE A & C

TYPE A & C

TYPE A & C

TYPE A & C

TYPE A & C

TYPE A & C

26'SB'

CTH P

26'NB'

25'SB'

24'SB'

23'SB'

CTH P

21'NB'

22'NB'

23'NB'

24'NB'

25'NB'

PROPOSED R/W

EXISTING R/W

PROPOSED R/W

HEAVY

8'

17'

39'

19'

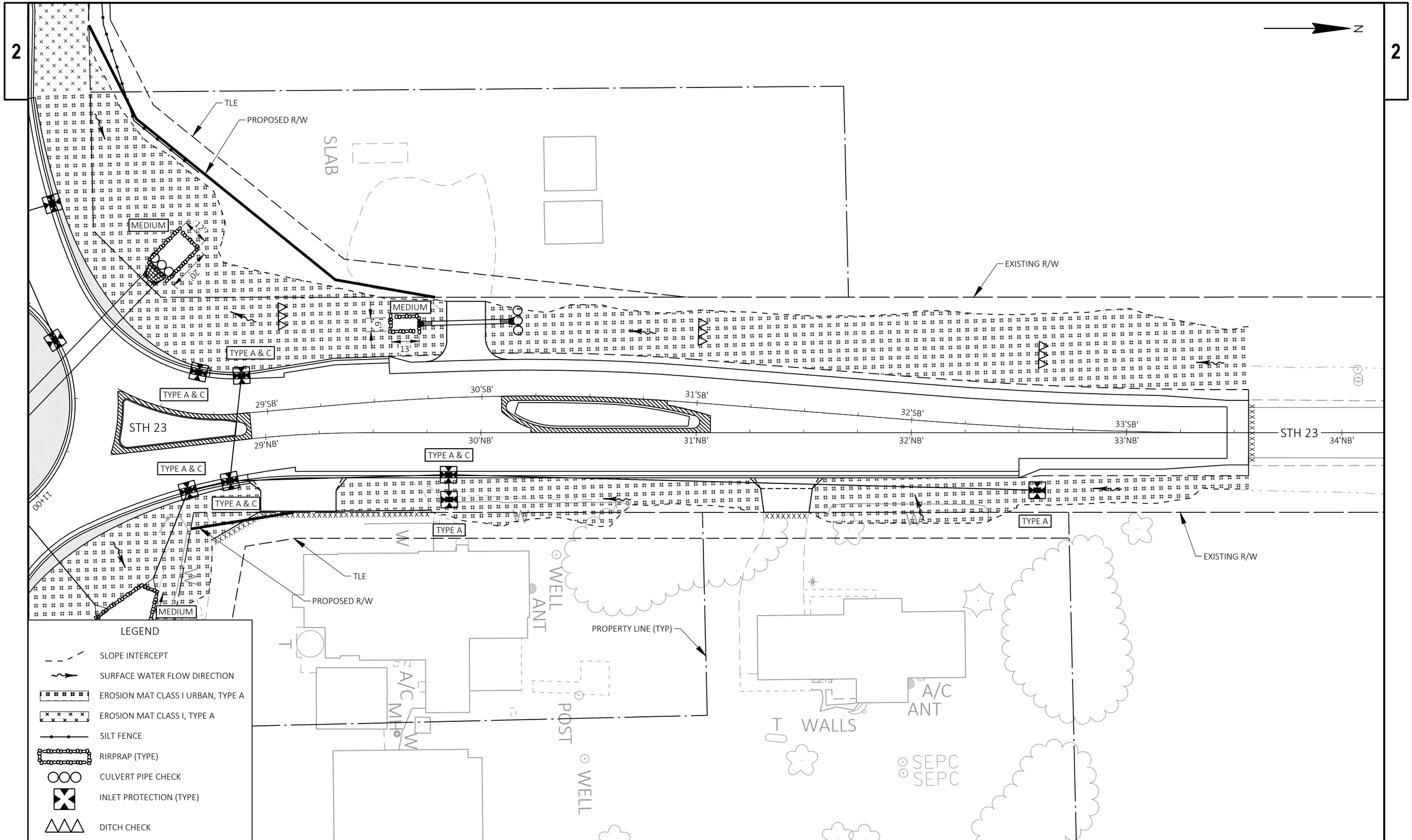
20'

34'

LEGEND

- SLOPE INTERCEPT
- SURFACE WATER FLOW DIRECTION
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I, TYPE A
- SILT FENCE
- RIRPRAP (TYPE)
- CULVERT PIPE CHECK
- INLET PROTECTION (TYPE)
- DITCH CHECK

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	EROSION CONTROL PLAN	SHEET 42	E



PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	EROSION CONTROL PLAN	SHEET 43	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_022001-EC.DWG
LAYOUT NAME - 08
PLOT DATE : 4/30/2025 9:06 AM
PLOT BY : BUTTERIS, BRADLEY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

N

PROPERTY LINE (TYP)

PROPOSED R/W (TYP)

BRIGHTSPEED (COMM)

PIPE UNDERDRAIN 6-INCH TO FLOW WEST INTO INLET

EXISTING R/W (TYP)

BRIGHTSPEED (COMM)

SIGN

STH 11

63'WB'

63'EB'

PIPE UNDERDRAIN 6-INCH (TYP.)

64'WB'

64'EB'

65'WB'

65'EB'

66'WB'

66'EB'

67'WB'

67'EB'

STH 11

STA 65+00 'EB', 21.5' RT
INLETS 4-HM
110

SCENIC RIVER ENERGY COOP. (ELEC)

OH

100 STA 62+20 'EB', 37.0' RT
INLETS MEDIAN 2G-MS (SINGLE SLOPE)

EXISTING R/W (TYP)

120 STA 66+14 'WB', 36.5' RT
INLETS 4-HM

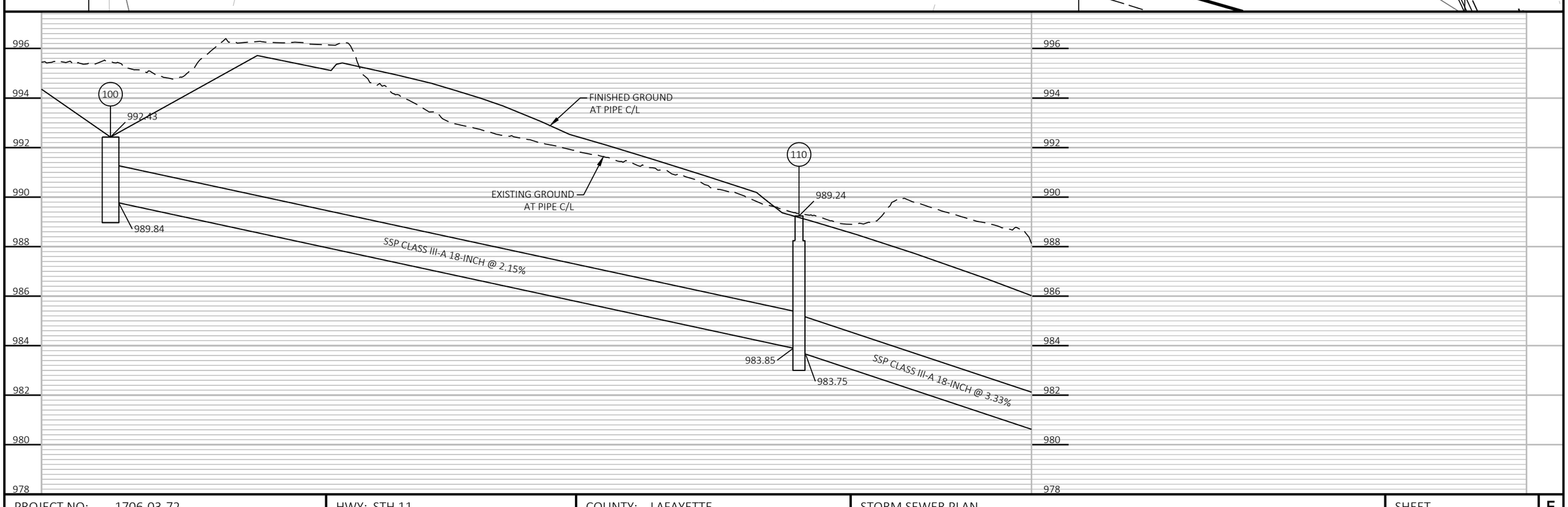
PROPERTY LINE (TYP)

STA 13+11 'C', 41.4' LT
INLETS MEDIAN 2G-MS (SINGLE SLOPE) T-1

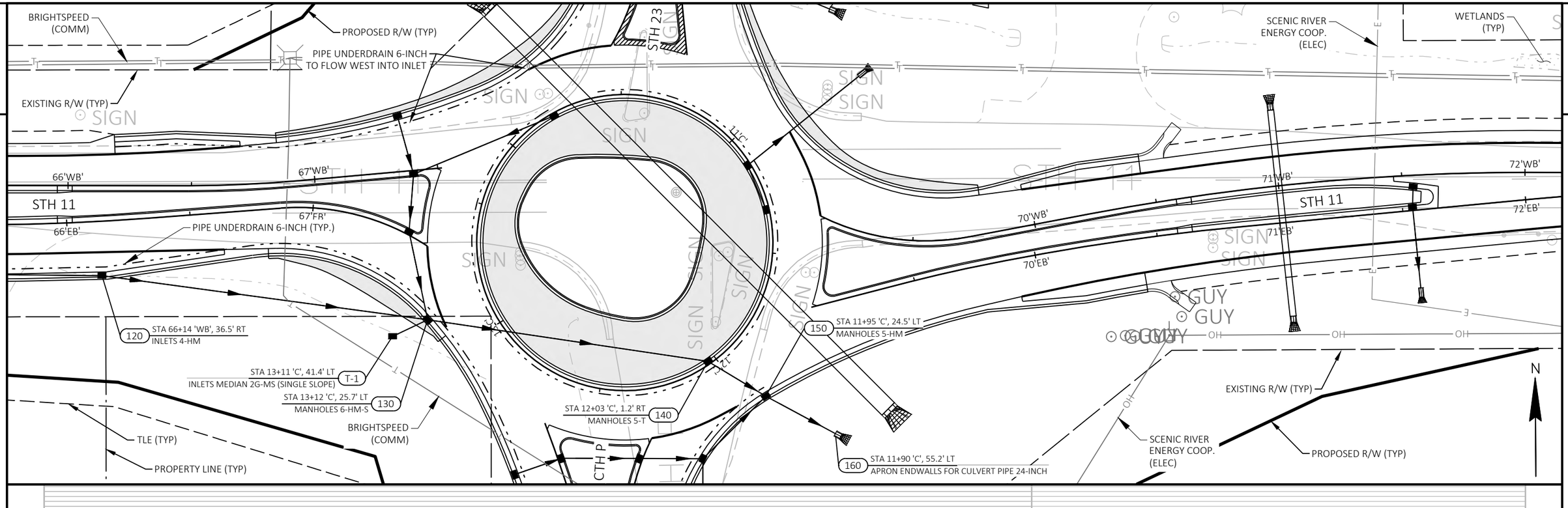
STA 13+12 'C', 25.7' LT
MANHOLES 6-HM-S 130

TLE (TYP)

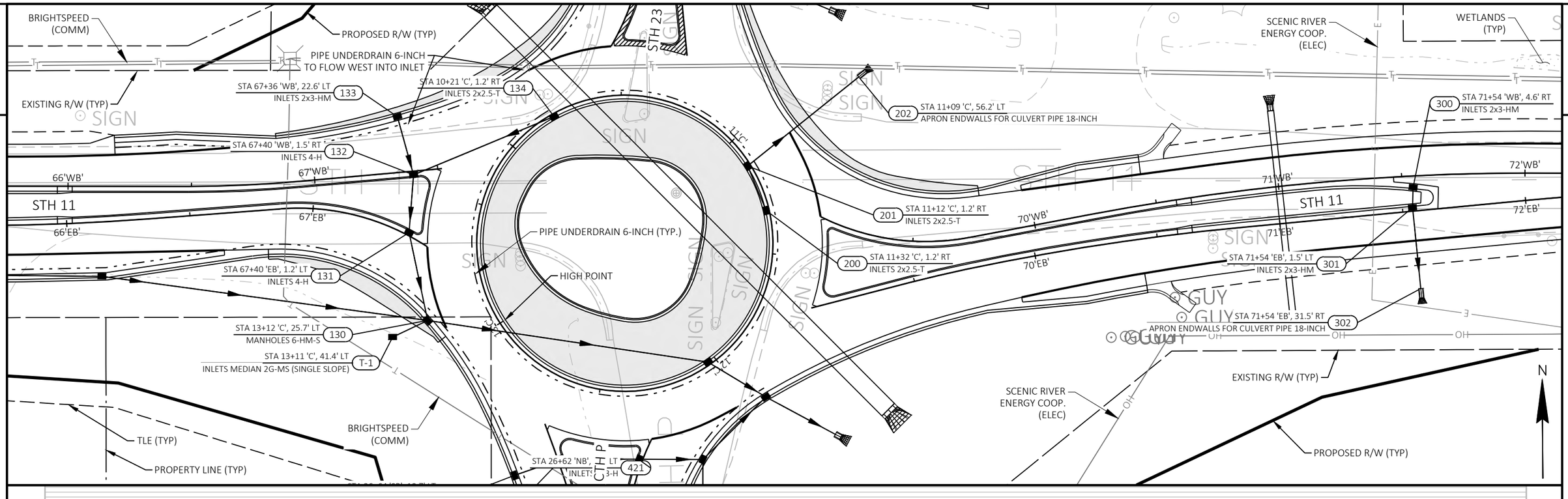
PROPOSED R/W (TYP)

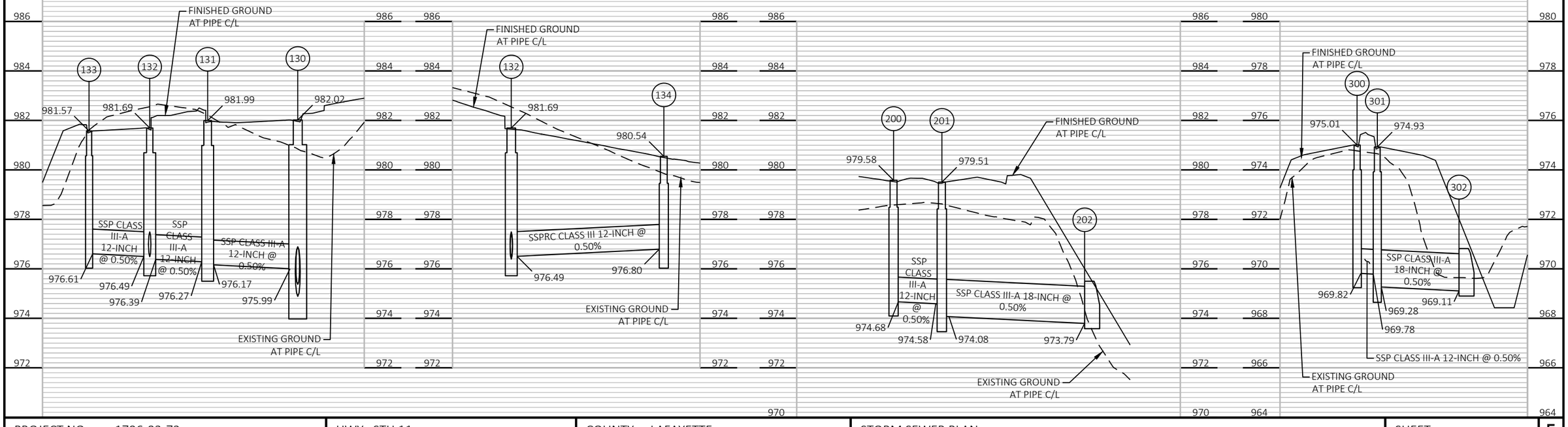


PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	STORM SEWER PLAN	SHEET 44	E

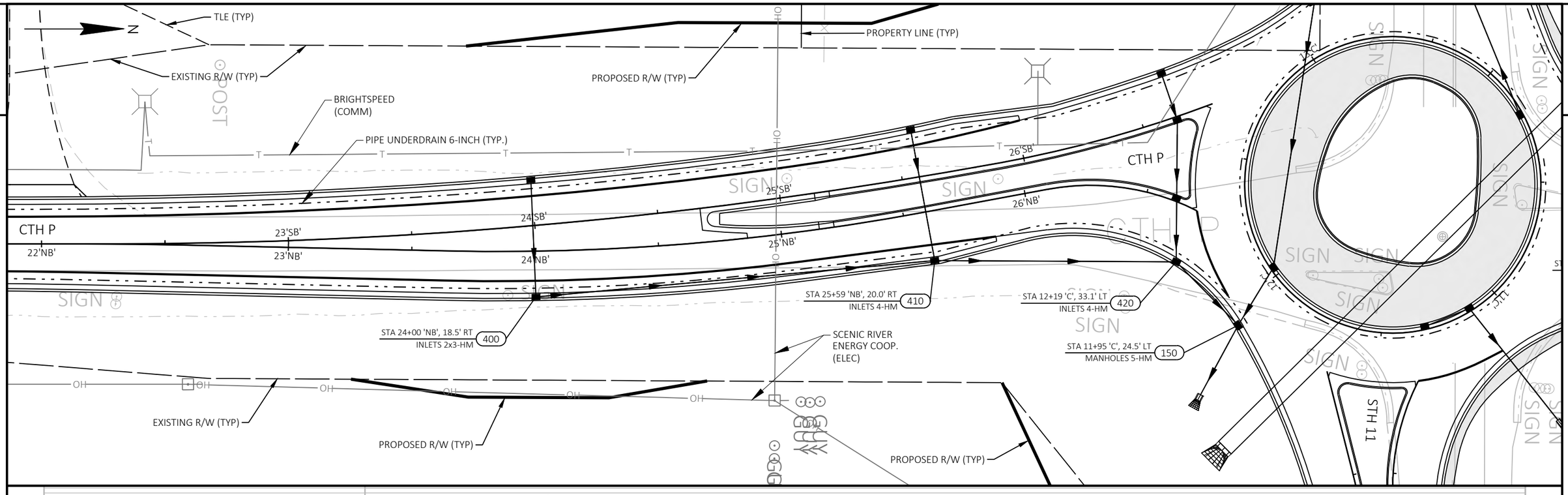


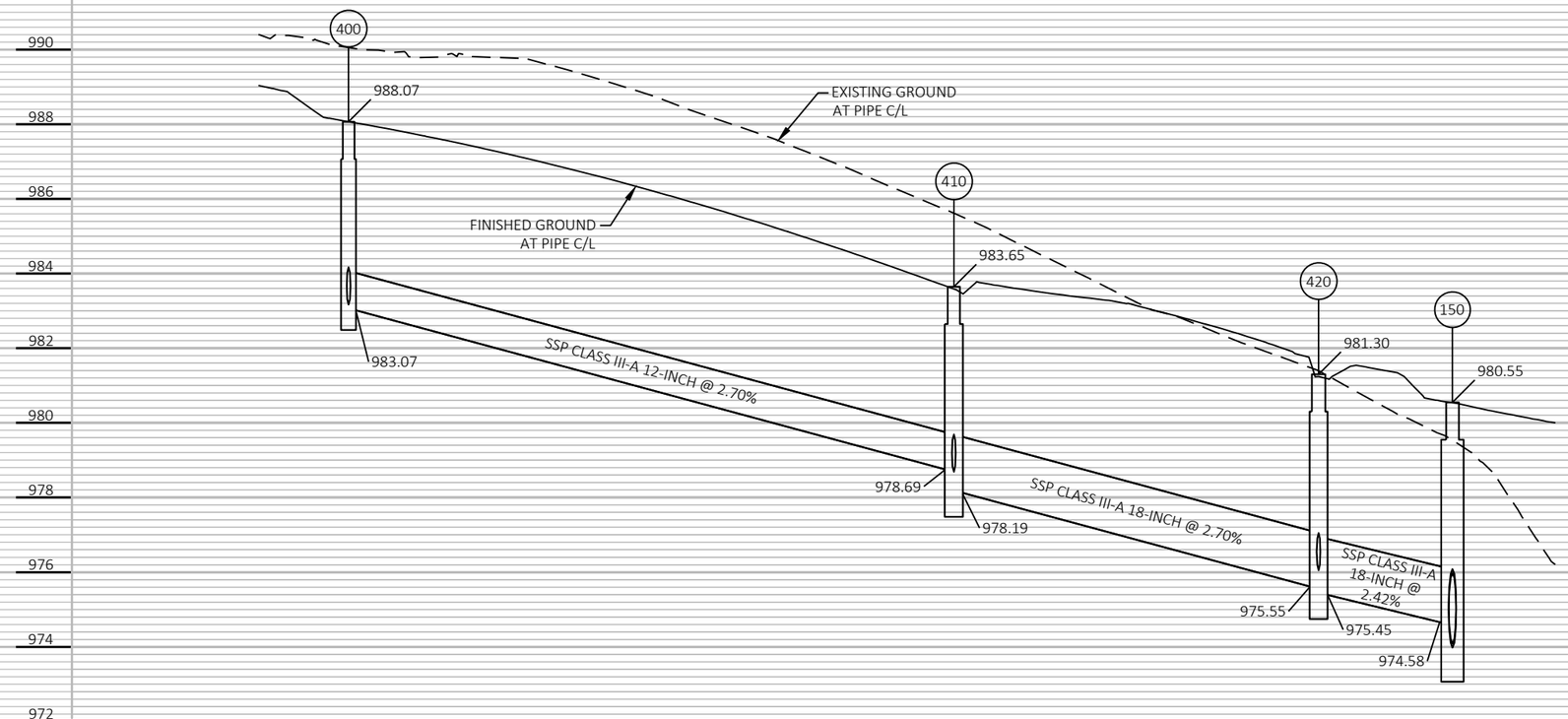
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	STORM SEWER PLAN	SHEET 45	E





PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	STORM SEWER PLAN	SHEET 46	E





PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	STORM SEWER PLAN	SHEET 47 E

2

N

TLE (TYP)

EXISTING R/W (TYP)

PROPERTY LINE (TYP)

PROPOSED R/W (TYP)

BRIGHTSPEED (COMM)

PIPE UNDERDRAIN 6-INCH (TYP.)

STA 24+00 'SB', 18.5' LT
INLETS 2x3-HM
401

STA 24+00 'NB', 18.5' RT
INLETS 2x3-HM
400

STA 25+57 'SB', 19.5' LT
INLETS 2x3-HM
411

STA 25+59 'NB', 20.0' RT
INLETS 4-HM
410

STA 26+64 'SB', 18.7' LT
INLETS 2x3-H
423

STA 26+64 'SB', 1.5' RT
INLETS 2x3-H
422

STA 26+62 'NB', 1.5' LT
INLETS 2x3-H
421

STA 12+19 'C', 33.1' LT
INLETS 4-HM
420

STA 11+95 'C', 24.5' LT
MANHOLES 5-HM
150

SCENIC RIVER ENERGY COOP. (ELEC)

CTH P

22'NB'

23'SB'

23'NB'

24'SB'

24'NB'

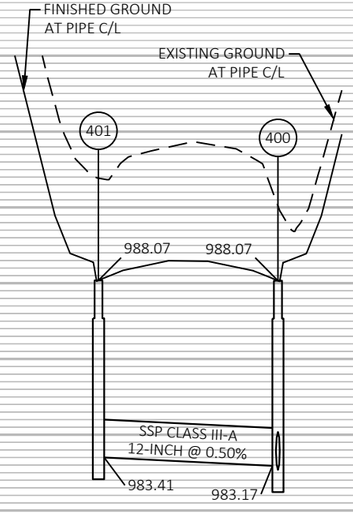
25'SB'

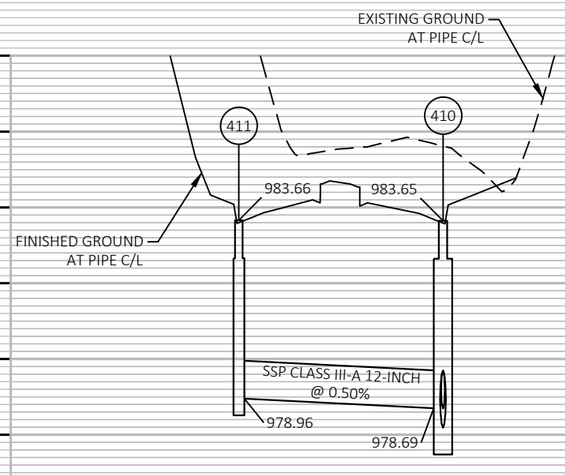
25'NB'

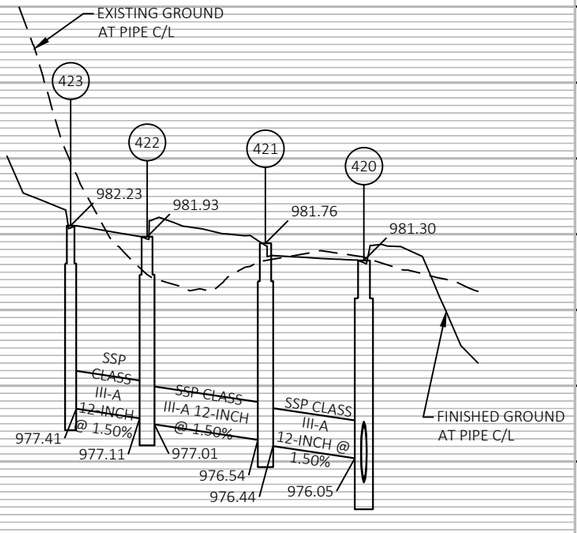
26'SB'

26'NB'

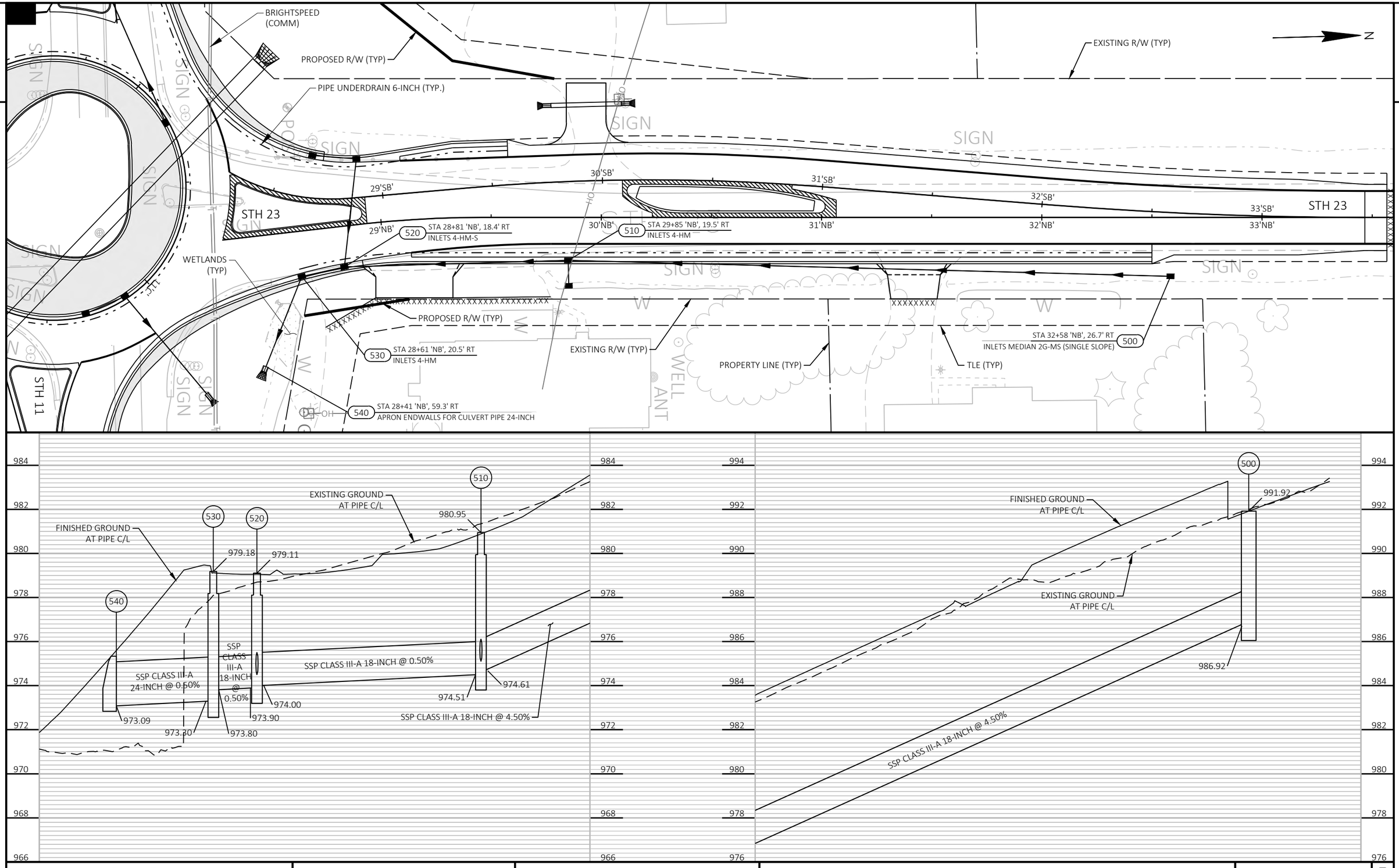
STH 11



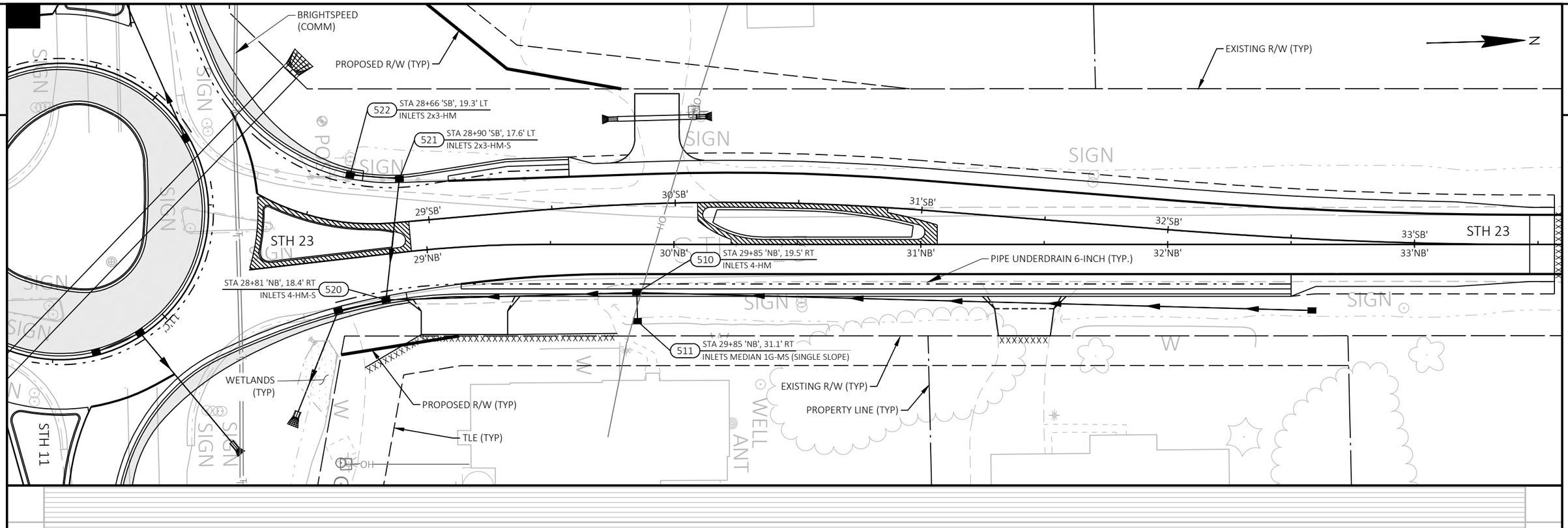


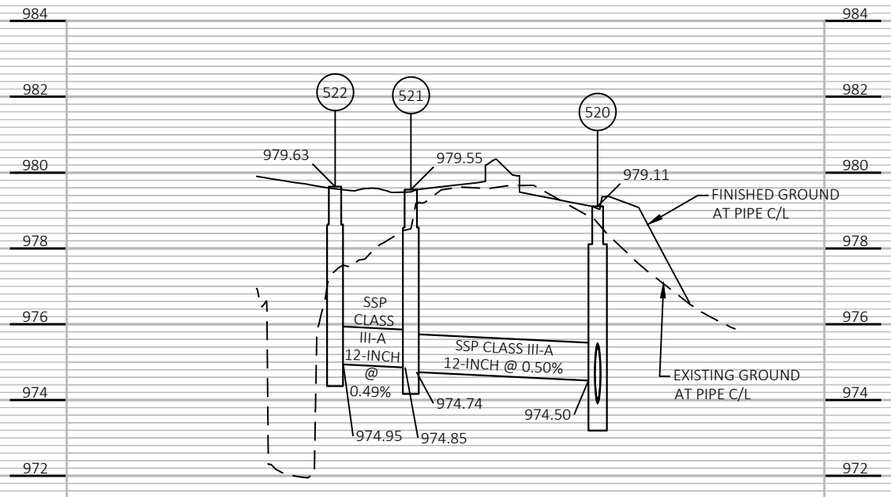


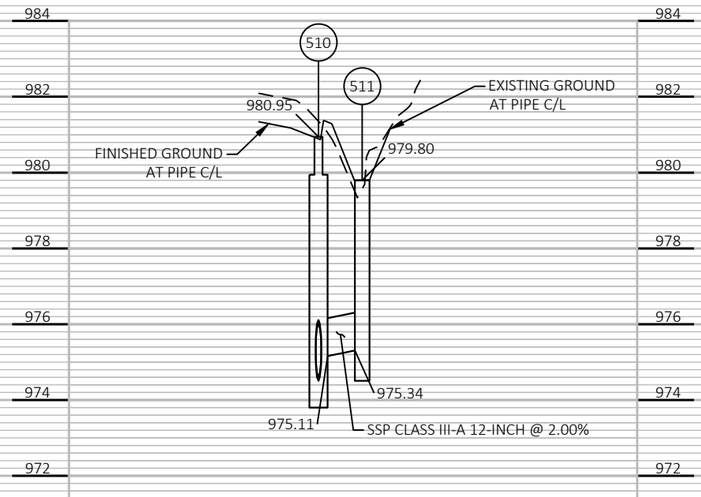
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	STORM SEWER PLAN	SHEET 48	E



PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	STORM SEWER PLAN	SHEET 49	E







PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	STORM SEWER PLAN	SHEET 50	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_022501-SS.DWG
LAYOUT NAME - 07
PLOT DATE : 4/30/2025 11:24 AM
PLOT BY : BUTTERIS, BRADLEY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

2

N

STH 23

STH 11

CTH P

R-100 R-101 R-102 R-103 R-104 R-105 R-106 R-107 R-108 R-109 R-110 R-200 R-201 R-202 R-203 R-204 R-205 R-206 R-207 R-208 R-209 R-210 R-211 R-212 R-300 R-301 R-302 R-303 R-304 R-305 R-306 R-307 R-308 R-309 R-310 R-311 R-400 R-401 R-402 R-403 R-404 R-405 R-406 R-407 R-408 R-409 R-410

Shullsburg 5
Dubuque 30

Gratiot
Monroe
Shullsburg

Dubuque
Darlington

Monroe
Darlington

Gratiot 5
Monroe 25

Darlington
Shullsburg
Gratiot

250'
360'
35'NB'
30'SB'
30'NB'
65'WB'
65'EB'
60'EB'
70'WB'
70'EB'
75'EB'
430'
25'SB'
25'NB'
20'NB'

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	SIGN REMOVAL PLAN	SHEET 51	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_023200-PS (SIGN REMOVAL).DWG
LAYOUT NAME - 01
PLOT DATE : 1/20/2025 1:03 PM
PLOT BY : KUSCHEL, LEVI
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2

SIGNING LEGEND

PROPOSED SIGN ON SINGLE/DOUBLE WOOD SUPPORT

PROPOSED SIGN ON SINGLE/DOUBLE TUBULAR STEEL SUPPORT

2-XX DENOTES SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)

NOTES

WHERE REMOVABLE SIGN POSTS ARE USED FOR OSOW VEHICLES, PLACE THE TOP OF THE 2 ¼" X 2 ¼" ANCHOR LEVEL WITH THE TOP OF THE 18" DIAMTER PVC BOX-OUT (WHICH IS AT GROUND LEVEL).

N

2

RAMP

T

TANKS

ANT

SEPC

WELL

ANT

POST

A/C

SIGN

SIGN

SIGN

W6-R

Y6-SD

12'

STH 11

57'EB'

58'EB'

59'EB'

60'EB'

61'EB'

STH 11

12'

SIGN

SIGN

Y6-R

SIGN

W6-R

SIGN

SIGN

57+15'EB'
BEGIN FULL
PAVEMENT MARKING

200'

200'

1-01

JCT JCT
23 COUNTY P

J1-2
48"X39"

1-02

W2-6
30"X30"

1-03

20 MPH

W13-1
18"X18"

750'

MARKING LEGEND

W6-R	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)	CBY	MARKING CURB EPOXY (YELLOW)
Y6-R	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)	INY	MARKING ISLAND NOSE EPOXY (YELLOW)
DY6-R	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (DOUBLE YELLOW)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
W6-3-R	MARKING LINE EPOXY 6-INCH (WHITE 3' DASH, 9' SKIP)	W18-2	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' DASH, 2' SKIP)
Y6-SD	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW 12.5' DASH, 37.5' SKIP	DY12	MARKING DIAGONAL EPOXY, 12-INCH (YELLOW)

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 52	E

2

SIGNING LEGEND

PROPOSED SIGN ON SINGLE/DOUBLE WOOD SUPPORT

PROPOSED SIGN ON SINGLE/DOUBLE TUBULAR STEEL SUPPORT

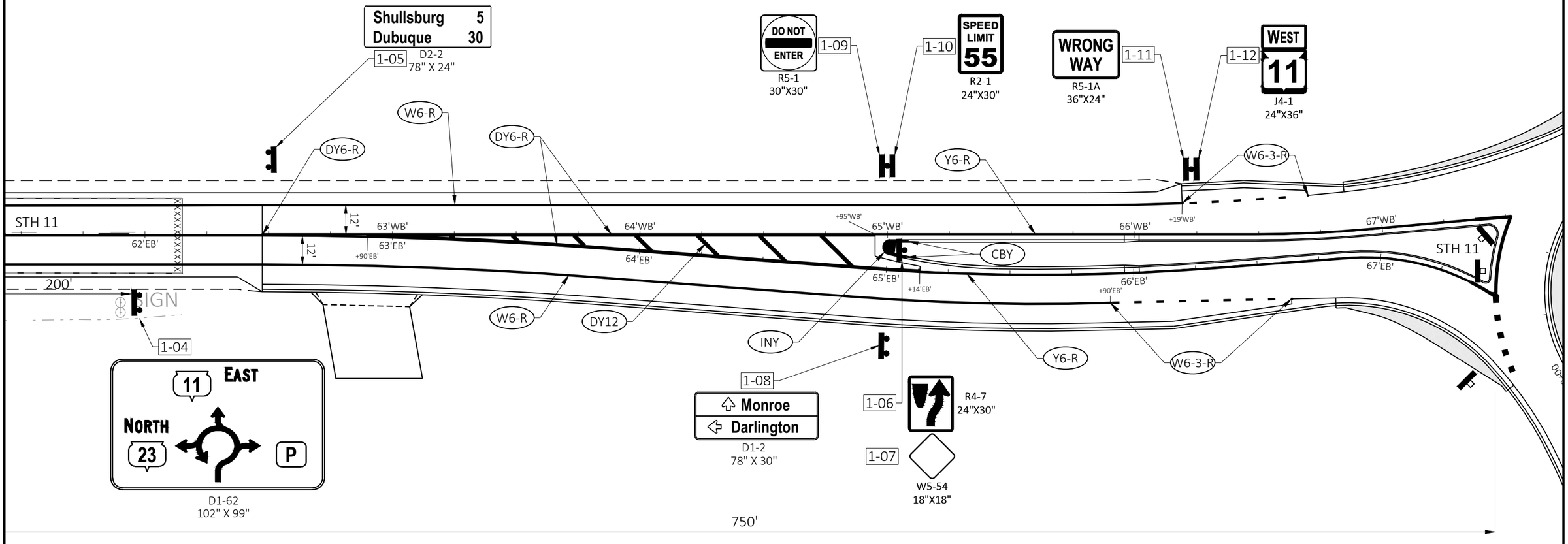
2-XX DENOTES SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)

NOTES

WHERE REMOVABLE SIGN POSTS ARE USED FOR OSOW VEHICLES, PLACE THE TOP OF THE 2 ¼" X 2 ¼" ANCHOR LEVEL WITH THE TOP OF THE 18" DIAMTER PVC BOX-OUT (WHICH IS AT GROUND LEVEL).

N

2



MARKING LEGEND

- W6-R MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)
- Y6-R MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)
- DY6-R MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (DOUBLE YELLOW)
- W6-3-R MARKING LINE EPOXY 6-INCH (WHITE 3' DASH, 9' SKIP)
- Y6-SD MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW 12.5' DASH, 37.5' SKIP
- CBY MARKING CURB EPOXY (YELLOW)
- INY MARKING ISLAND NOSE EPOXY (YELLOW)
- W10 MARKING LINE EPOXY 10-INCH (WHITE)
- W18-2 MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' DASH, 2' SKIP)
- DY12 MARKING DIAGONAL EPOXY, 12-INCH (YELLOW)

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 53	E

SIGNING LEGEND

- PROPOSED SIGN ON SINGLE/DOUBLE WOOD SUPPORT
- PROPOSED SIGN ON SINGLE/DOUBLE TUBULAR STEEL SUPPORT
- 2-XX DENOTES SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)

N

STH 23

STH 11

CTH P

11+00

12+00

13+00

2-01 R1-2 36"X31"

2-02 R1-2 36"X31"

2-03 D1-67 36" X 18"

2-04 R1-2 36"X31"

2-05 R1-2 36"X31"

2-06 WEST 11 D1-67 42" X 30"

2-07 R1-2 36"X31"

2-08 R1-2 36"X31"

2-09 NORTH 23 D1-67 42" X 30"

2-10 R1-2 36"X31"

2-11 R1-2 36"X31"

2-12 EAST 11 D1-67 42" X 30"

2-13 2-14

2-15 2-16

2-17 2-18 R6-1R 48"X18" ONE WAY W5-54 18"X18"

2-19 2-20

*IN ROAD OBJECT MARKER SIGNS SHALL BE MOUNTED 48" FROM THE BOTTOM OF THE SIGN TO THE SURFACE OF THE TRUCK APRON

W10 W18-2 Y6-R 5' 67'WB' 67'EB'

MARKING LEGEND

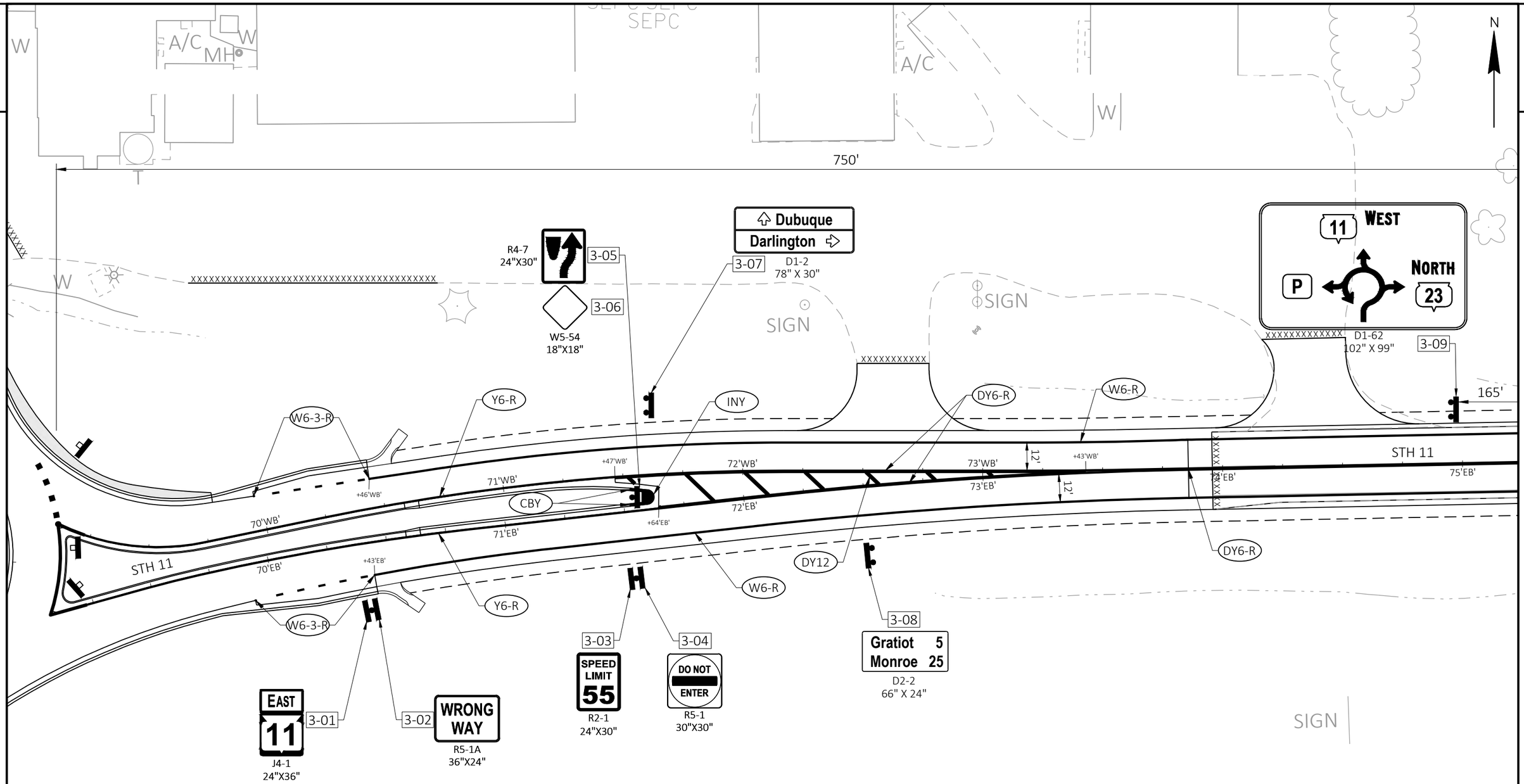
- Y6 MARKING LINE EPOXY 6-INCH (YELLOW)
- DY6 MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- W6-R MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)
- Y6-R MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)
- DY6-R MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (DOUBLE YELLOW)
- Y6-SD MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW 12.5' DASH, 37.5' SKIP
- CBY MARKING CURB EPOXY (YELLOW)
- INY MARKING ISLAND NOSE EPOXY (YELLOW)
- W6-3 MARKING LINE EPOXY 6-INCH (WHITE 3' DASH, 9' SKIP)
- W10 MARKING LINE EPOXY 10-INCH (WHITE)
- W18-2 MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' DASH, 2' SKIP)
- DY12 MARKING DIAGONAL EPOXY, 12-INCH (YELLOW)

NOTES

WHERE REMOVABLE SIGN POSTS ARE USED FOR OSOW VEHICLES, PLACE THE TOP OF THE 2 ¼" X 2 ¼" ANCHOR LEVEL WITH THE TOP OF THE 18" DIAMTER PVC BOX-OUT (WHICH IS AT GROUND LEVEL).

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 54	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_023201-PS-PM.DWG
LAYOUT NAME - 03
PLOT DATE : 4/22/2025 4:36 PM PLOT BY : KUSCHEL, LEVI PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42



MARKING LEGEND

W6-R	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)
Y6-R	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)
DY6-R	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (DOUBLE YELLOW)
W6-3-R	MARKING LINE EPOXY 6-INCH (WHITE 3' DASH, 9' SKIP)
Y6-SD	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW 12.5' DASH, 37.5' SKIP
CBY	MARKING CURB EPOXY (YELLOW)
INY	MARKING ISLAND NOSE EPOXY (YELLOW)
W10	MARKING LINE EPOXY 10-INCH (WHITE)
W18-2	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' DASH, 2' SKIP)
DY12	MARKING DIAGONAL EPOXY, 12-INCH (YELLOW)

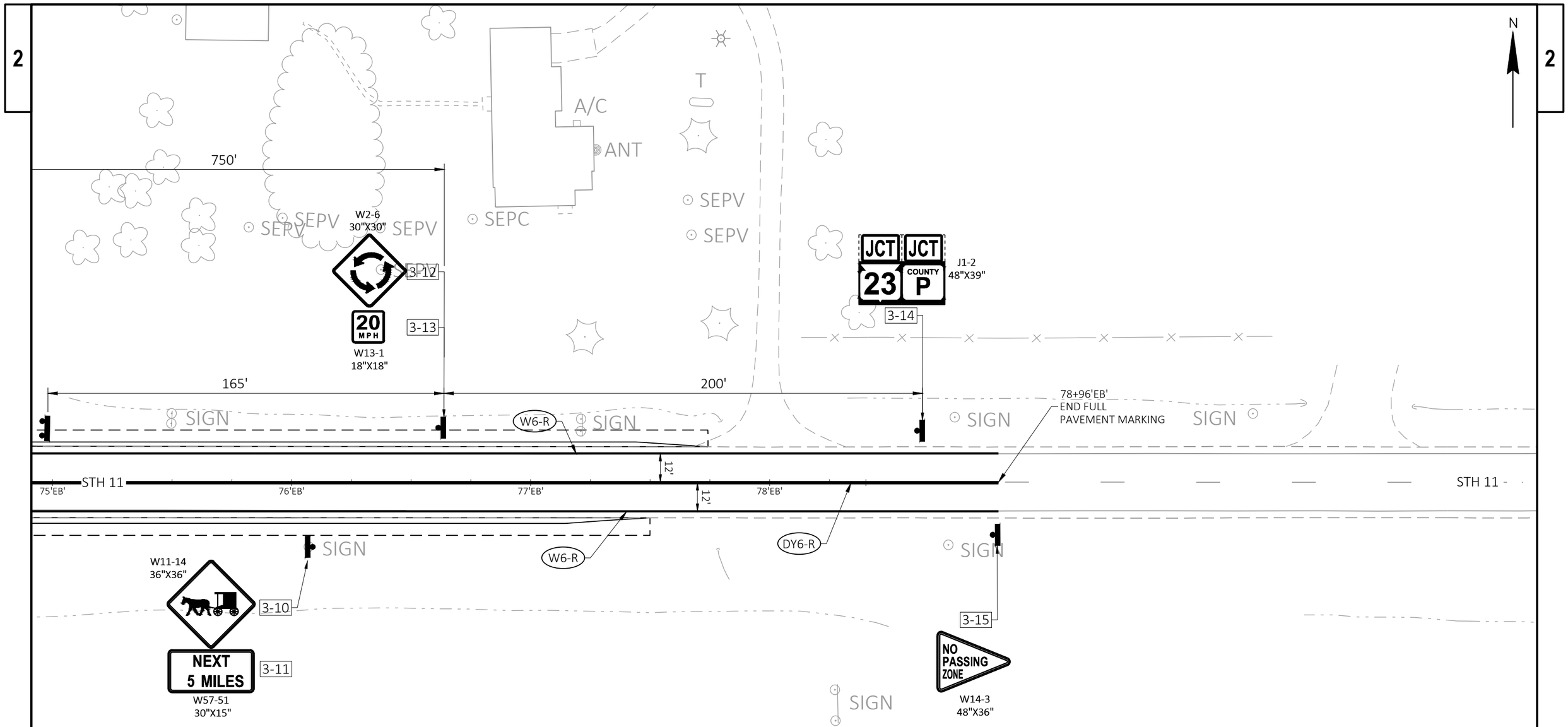
SIGNING LEGEND

- PROPOSED SIGN ON SINGLE/DOUBLE WOOD SUPPORT
- PROPOSED SIGN ON SINGLE/DOUBLE TUBULAR STEEL SUPPORT
- 2-XX DENOTES SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)

NOTES

WHERE REMOVABLE SIGN POSTS ARE USED FOR OSOW VEHICLES, PLACE THE TOP OF THE 2 ¼" X 2 ¼" ANCHOR LEVEL WITH THE TOP OF THE 18" DIAMTER PVC BOX-OUT (WHICH IS AT GROUND LEVEL).

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 55	E



MARKING LEGEND

- W6-R — MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)
- Y6-R — MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)
- DY6-R — MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (DOUBLE YELLOW)
- W6-3-R — MARKING LINE EPOXY 6-INCH (WHITE 3' DASH, 9' SKIP)
- Y6-SD — MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW 12.5' DASH, 37.5' SKIP
- CBY — MARKING CURB EPOXY (YELLOW)
- INY — MARKING ISLAND NOSE EPOXY (YELLOW)
- W10 — MARKING LINE EPOXY 10-INCH (WHITE)
- W18-2 — MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' DASH, 2' SKIP)
- DY12 — MARKING DIAGONAL EPOXY, 12-INCH (YELLOW)

SIGNING LEGEND

- PROPOSED SIGN ON SINGLE/DOUBLE WOOD SUPPORT
- PROPOSED SIGN ON SINGLE/DOUBLE TUBULAR STEEL SUPPORT
- 2-XX — DENOTES SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)

NOTES

WHERE REMOVABLE SIGN POSTS ARE USED FOR OSOW VEHICLES, PLACE THE TOP OF THE 2 ¼" X 2 ¼" ANCHOR LEVEL WITH THE TOP OF THE 18" DIAMTER PVC BOX-OUT (WHICH IS AT GROUND LEVEL).

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 56	E

2

MARKING LEGEND

- W6-R MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)
- Y6-R MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)
- DY6-R MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (DOUBLE YELLOW)
- W6-3-R MARKING LINE EPOXY 6-INCH (WHITE 3' DASH, 9' SKIP)
- Y6-SD MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW 12.5' DASH, 37.5' SKIP
- CBY MARKING CURB EPOXY (YELLOW)
- INY MARKING ISLAND NOSE EPOXY (YELLOW)
- W10 MARKING LINE EPOXY 10-INCH (WHITE)
- W18-2 MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' DASH, 2' SKIP)
- DY12 MARKING DIAGONAL EPOXY, 12-INCH (YELLOW)

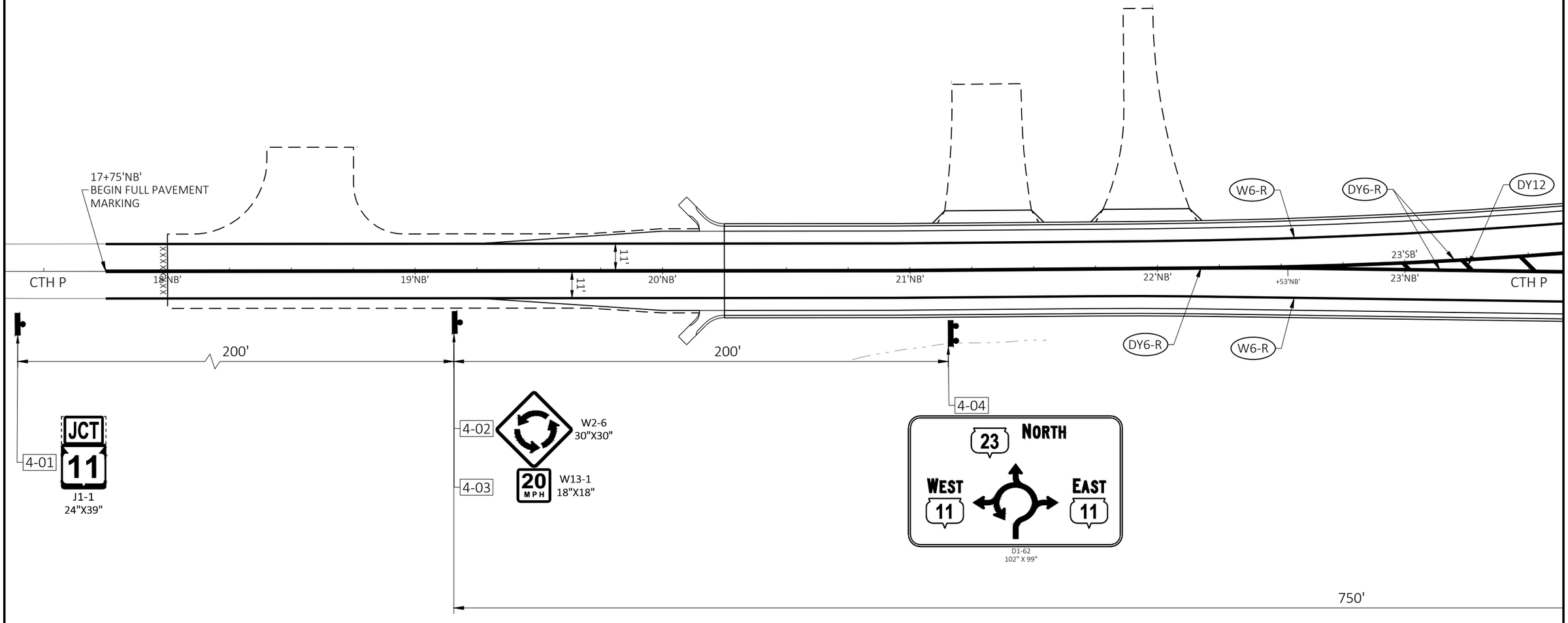
SIGNING LEGEND

- PROPOSED SIGN ON SINGLE/DOUBLE WOOD SUPPORT
- PROPOSED SIGN ON SINGLE/DOUBLE TUBULAR STEEL SUPPORT
- 2-XX DENOTES SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)

NOTES

WHERE REMOVABLE SIGN POSTS ARE USED FOR OSOW VEHICLES, PLACE THE TOP OF THE 2 ¼" X 2 ¼" ANCHOR LEVEL WITH THE TOP OF THE 18" DIAMTER PVC BOX-OUT (WHICH IS AT GROUND LEVEL).

N



PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 57	E

2

MARKING LEGEND

- W6-R MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)
- Y6-R MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)
- DY6-R MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (DOUBLE YELLOW)
- W6-3-R MARKING LINE EPOXY 6-INCH (WHITE 3' DASH, 9' SKIP)
- Y6-SD MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW 12.5' DASH, 37.5' SKIP
- CBY MARKING CURB EPOXY (YELLOW)
- INY MARKING ISLAND NOSE EPOXY (YELLOW)
- W10 MARKING LINE EPOXY 10-INCH (WHITE)
- W18-2 MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' DASH, 2' SKIP)
- DY12 MARKING DIAGONAL EPOXY, 12-INCH (YELLOW)

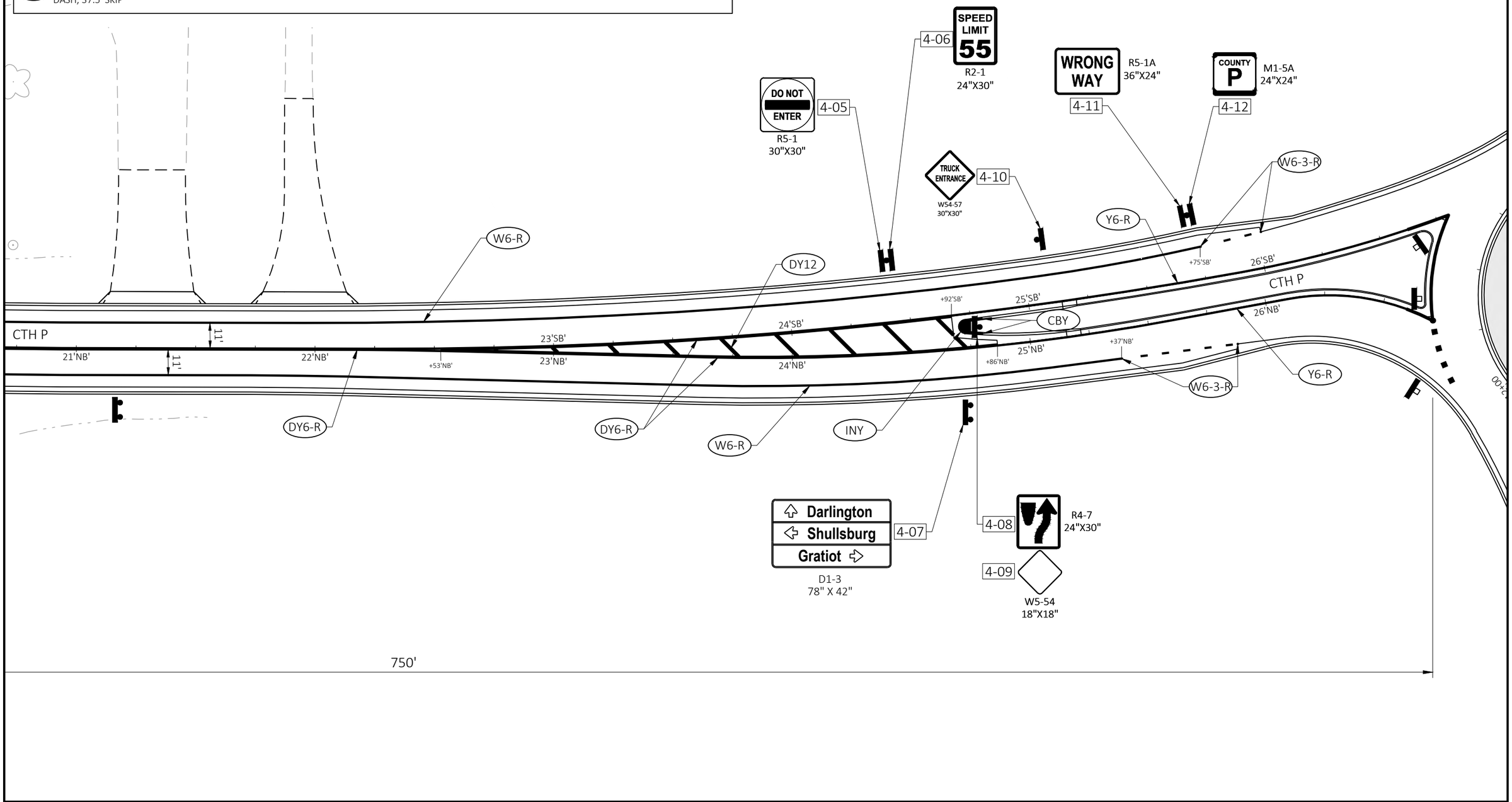
SIGNING LEGEND

- PROPOSED SIGN ON SINGLE/DOUBLE WOOD SUPPORT
- PROPOSED SIGN ON SINGLE/DOUBLE TUBULAR STEEL SUPPORT
- 2-XX DENOTES SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)

NOTES

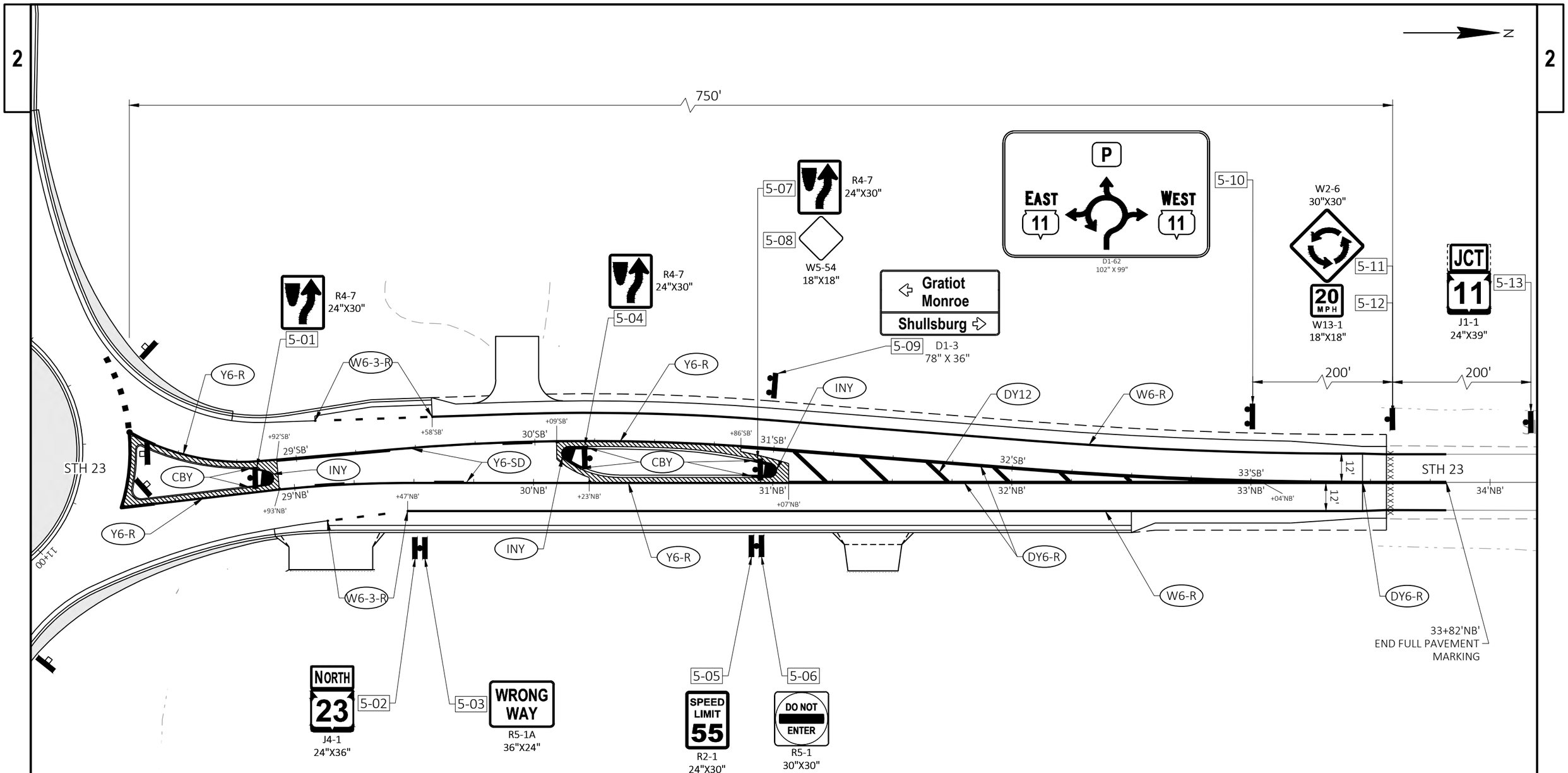
WHERE REMOVABLE SIGN POSTS ARE USED FOR OSOW VEHICLES, PLACE THE TOP OF THE 2 ¼" X 2 ¼" ANCHOR LEVEL WITH THE TOP OF THE 18" DIAMTER PVC BOX-OUT (WHICH IS AT GROUND LEVEL).

N



PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 58	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_023201-PS-PM.DWG
LAYOUT NAME - 07
PLOT DATE : 4/22/2025 4:36 PM PLOT BY : KUSCHEL, LEVI PLOT NAME : PLOT SCALE : 1 IN:40 FT



MARKING LEGEND

W6-R	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)
Y6-R	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)
DY6-R	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (DOUBLE YELLOW)
W6-3-R	MARKING LINE EPOXY 6-INCH (WHITE 3' DASH, 9' SKIP)
Y6-SD	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW 12.5' DASH, 37.5' SKIP
CBY	MARKING CURB EPOXY (YELLOW)
INY	MARKING ISLAND NOSE EPOXY (YELLOW)
W10	MARKING LINE EPOXY 10-INCH (WHITE)
W18-2	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' DASH, 2' SKIP)
DY12	MARKING DIAGONAL EPOXY, 12-INCH (YELLOW)

SIGNING LEGEND

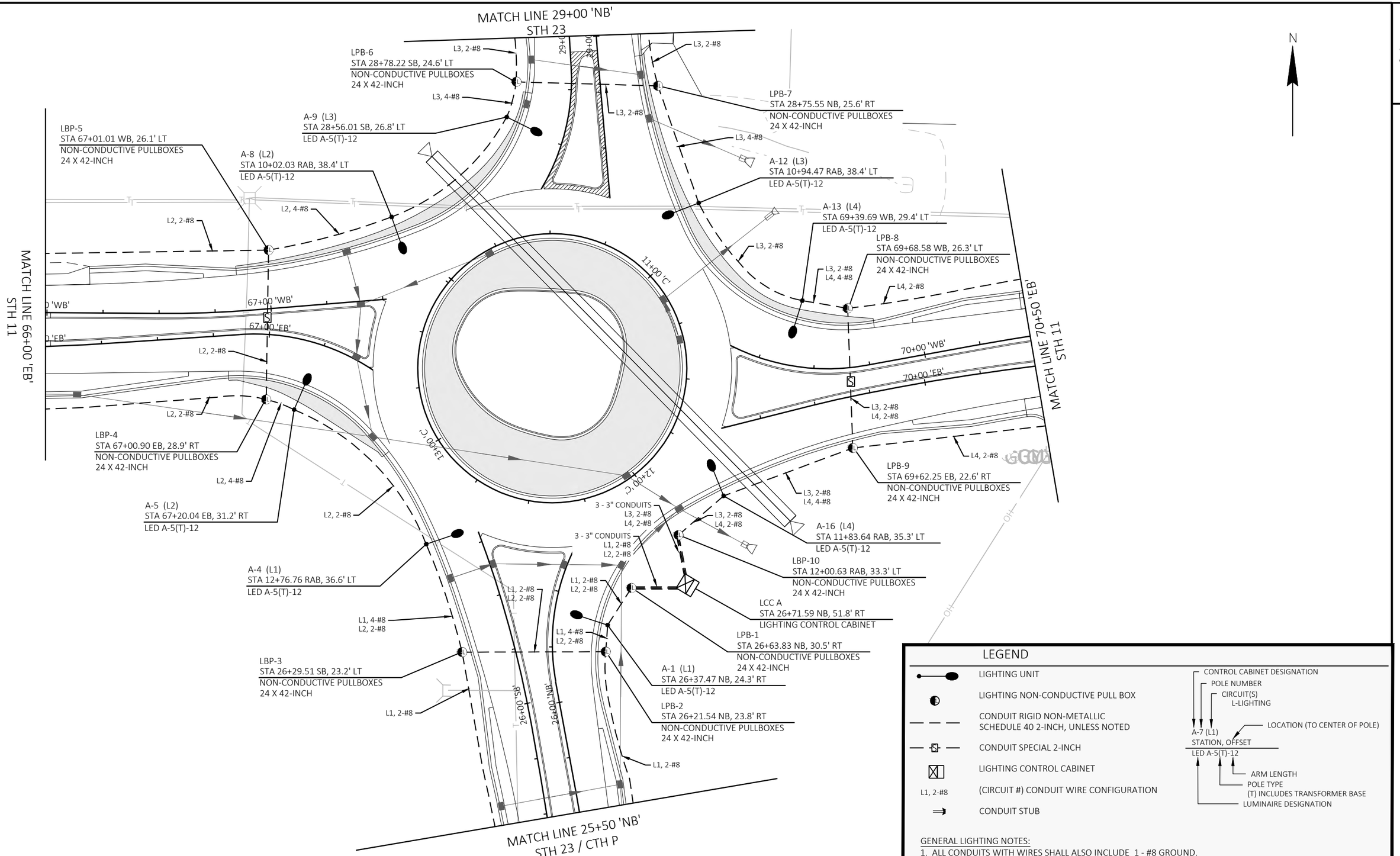
- PROPOSED SIGN ON SINGLE/DOUBLE WOOD SUPPORT
- PROPOSED SIGN ON SINGLE/DOUBLE TUBULAR STEEL SUPPORT
- 2-XX DENOTES SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)

NOTES

WHERE REMOVABLE SIGN POSTS ARE USED FOR OSOW VEHICLES, PLACE THE TOP OF THE 2 ¼" X 2 ¼" ANCHOR LEVEL WITH THE TOP OF THE 18" DIAMTER PVC BOX-OUT (WHICH IS AT GROUND LEVEL).

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 59	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_023201-PS-PM.DWG
LAYOUT NAME - 08
PLOT DATE : 4/22/2025 4:36 PM PLOT BY : KUSCHEL, LEVI PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



LEGEND

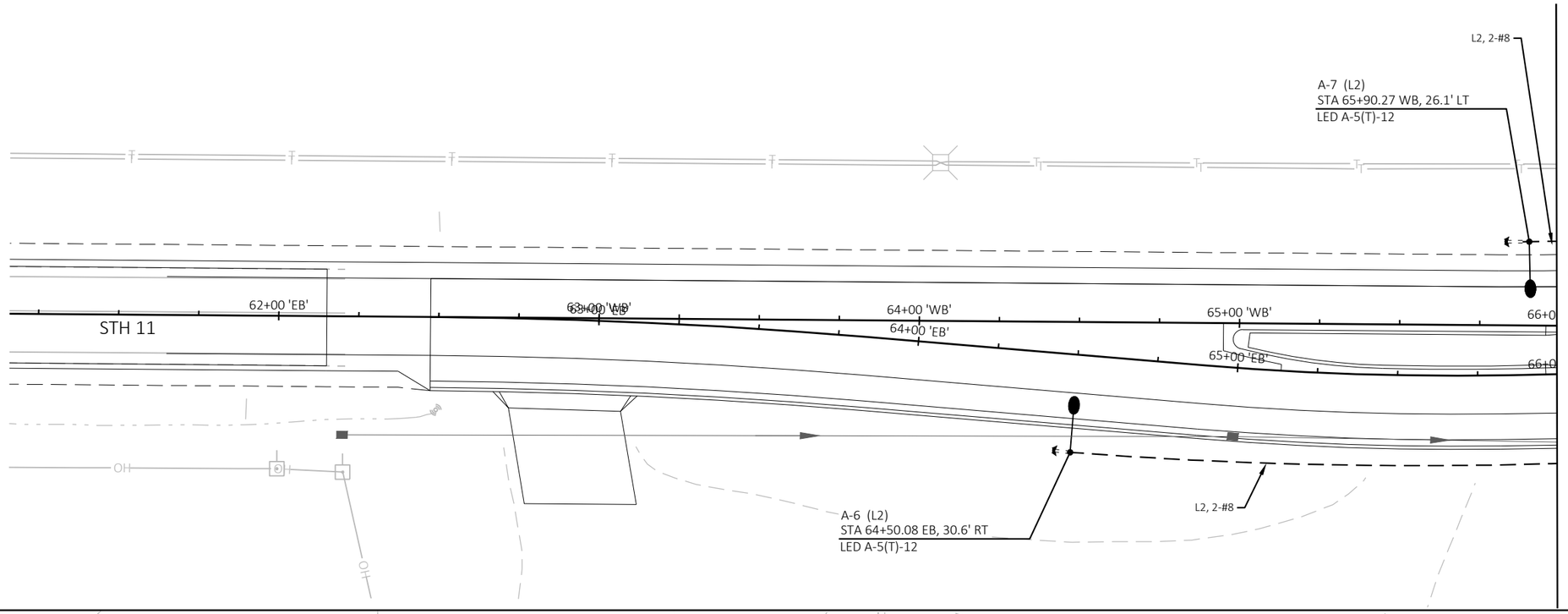
- LIGHTING UNIT
- LIGHTING NON-CONDUCTIVE PULL BOX
- CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH, UNLESS NOTED
- CONDUIT SPECIAL 2-INCH
- LIGHTING CONTROL CABINET
- L1, 2-#8 — (CIRCUIT #) CONDUIT WIRE CONFIGURATION
- CONDUIT STUB

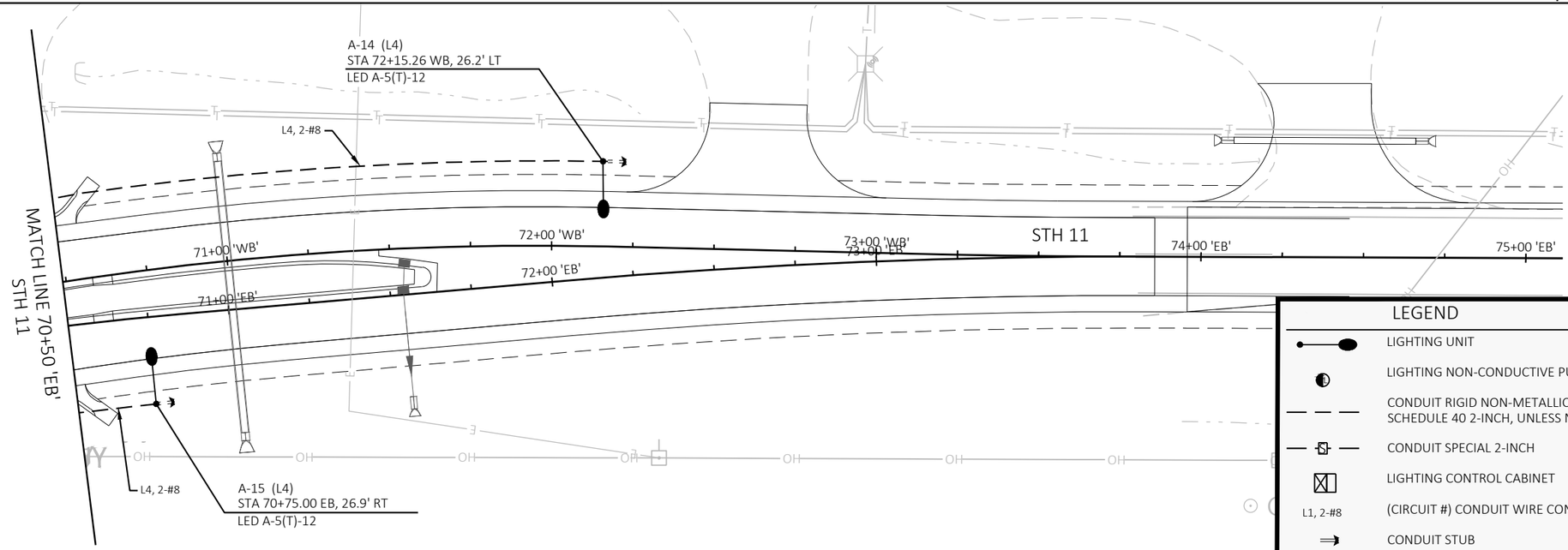
A-7 (L1) — LUMINAIRE DESIGNATION
STATION, OFFSET — CONTROL CABINET DESIGNATION
LED A-5(T)-12 — POLE NUMBER; CIRCUIT(S) L-LIGHTING; LOCATION (TO CENTER OF POLE); ARM LENGTH; POLE TYPE (T) INCLUDES TRANSFORMER BASE

GENERAL LIGHTING NOTES:
1. ALL CONDUITS WITH WIRES SHALL ALSO INCLUDE 1 - #8 GROUND.
2. EMPTY CONDUITS SHALL INCLUDE PULL STRING.

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	LIGHTING PLAN	SHEET 60	E

2





LEGEND

- LIGHTING UNIT
- LIGHTING NON-CONDUCTIVE PULL BOX
- CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH, UNLESS NOTED
- CONDUIT SPECIAL 2-INCH
- LIGHTING CONTROL CABINET
- L1, 2-#8 (CIRCUIT #) CONDUIT WIRE CONFIGURATION
- CONDUIT STUB

CONTROL CABINET DESIGNATION
POLE NUMBER
CIRCUIT(S)
L-LIGHTING
A-7 (L1) — LOCATION (TO CENTER OF POLE)
STATION, OFFSET
LED A-5(T)-12
ARM LENGTH
POLE TYPE
(T) INCLUDES TRANSFORMER BASE
LUMINAIRE DESIGNATION

GENERAL LIGHTING NOTES:
1. ALL CONDUITS WITH WIRES SHALL ALSO INCLUDE 1 - #8 GROUND.
2. EMPTY CONDUITS SHALL INCLUDE PULL STRING.

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	LIGHTING PLAN	SHEET 61 E

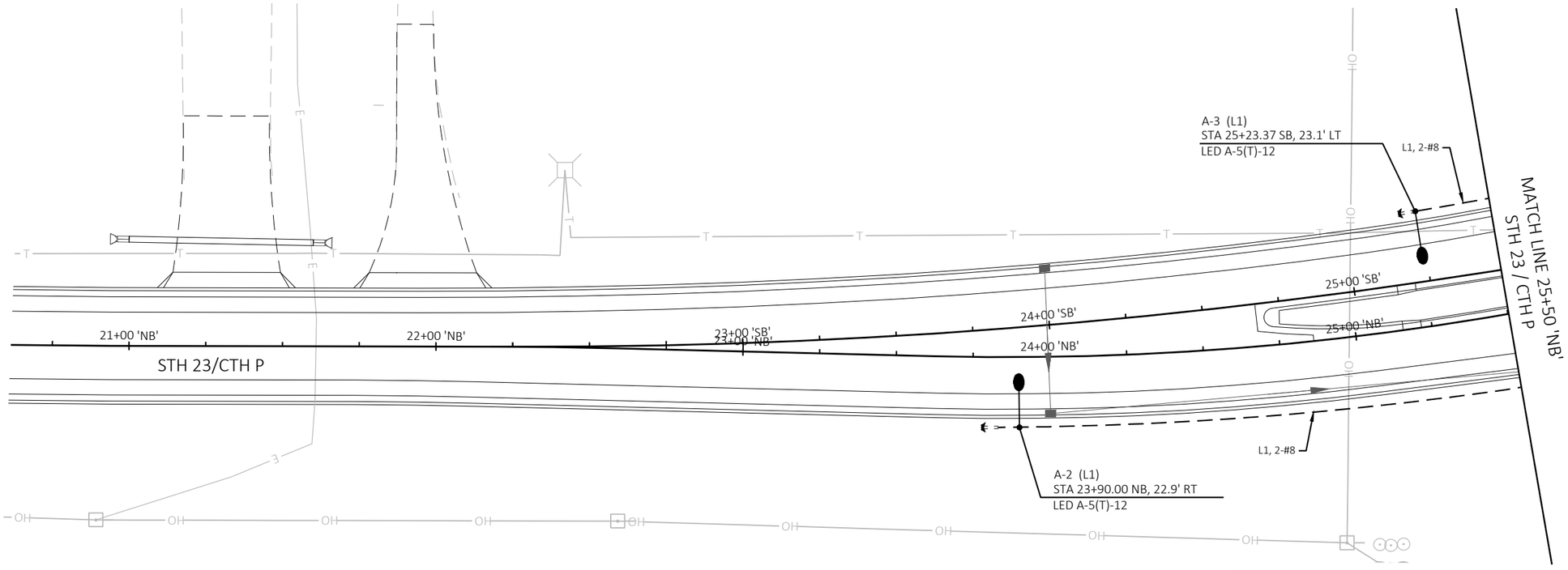
FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_023601-LP.DWG
02

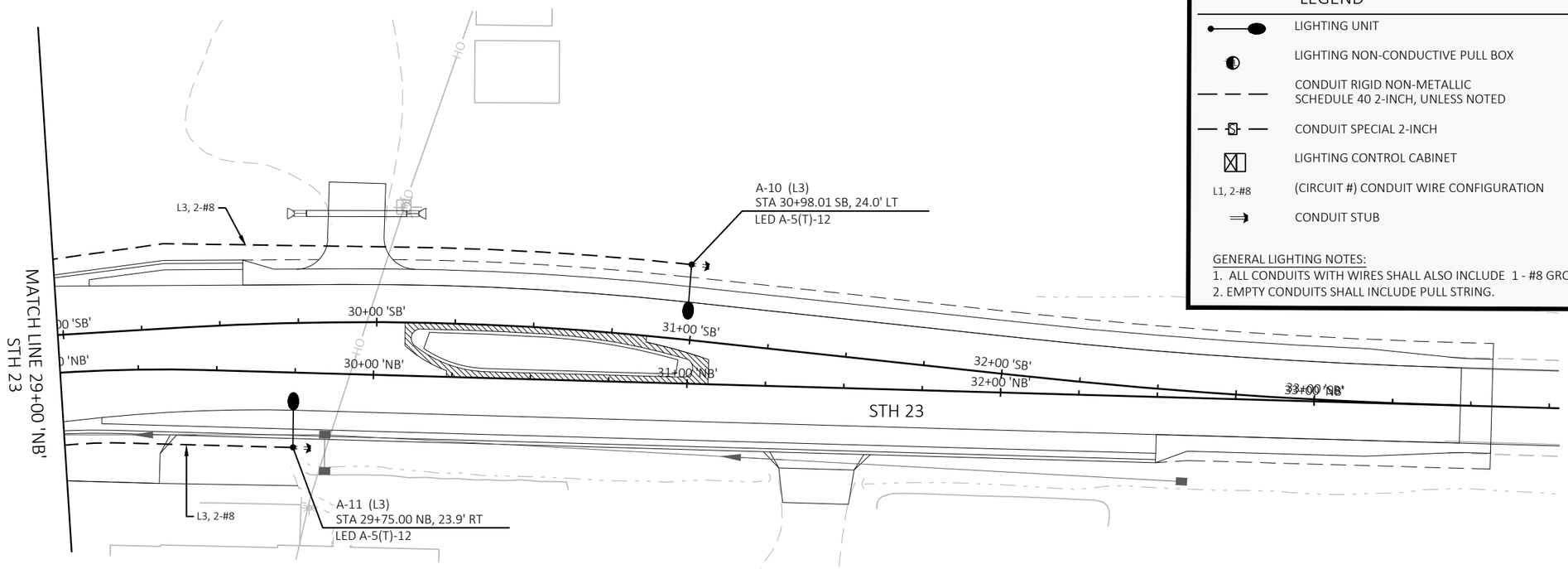
PLOT DATE : 3/10/2025 3:05 PM

PLOT BY : AYRES

PLOT NAME :

PLOT SCALE : 1 IN:40 FT





LEGEND

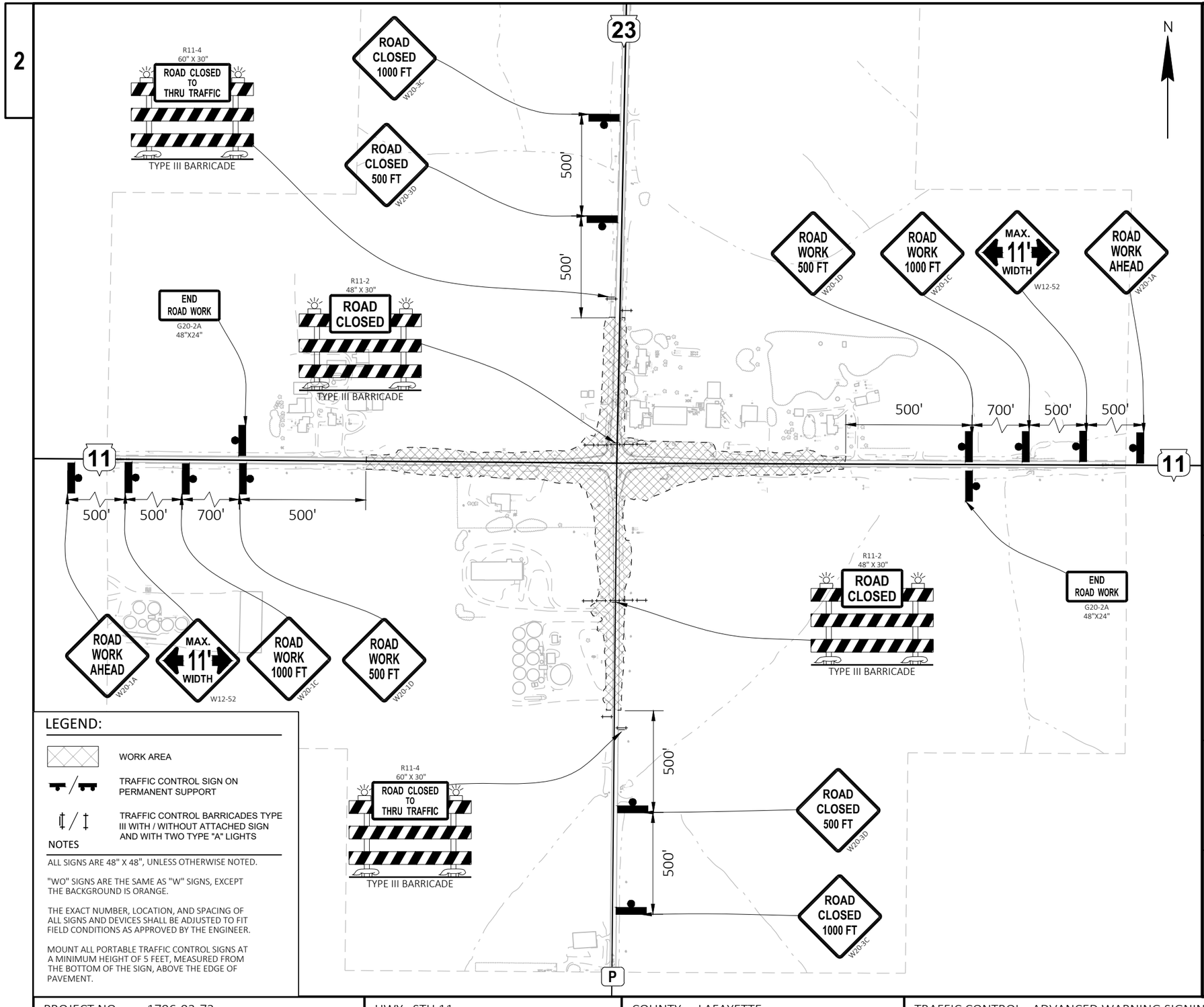
- LIGHTING UNIT
- LIGHTING NON-CONDUCTIVE PULL BOX
- CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH, UNLESS NOTED
- CONDUIT SPECIAL 2-INCH
- LIGHTING CONTROL CABINET
- L1, 2-#8 — (CIRCUIT #) CONDUIT WIRE CONFIGURATION
- CONDUIT STUB

A-7 (L1) STATION, OFFSET LED A-5(T)-12

- CONTROL CABINET DESIGNATION
- POLE NUMBER
- CIRCUIT(S) L-LIGHTING
- LOCATION (TO CENTER OF POLE)
- ARM LENGTH
- POLE TYPE (T) INCLUDES TRANSFORMER BASE
- LUMINAIRE DESIGNATION

GENERAL LIGHTING NOTES:
1. ALL CONDUITS WITH WIRES SHALL ALSO INCLUDE 1 - #8 GROUND.
2. EMPTY CONDUITS SHALL INCLUDE PULL STRING.

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	LIGHTING PLAN	SHEET 62	E



LEGEND:

- WORK AREA
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL BARRICADES TYPE III WITH / WITHOUT ATTACHED SIGN AND WITH TWO TYPE "A" LIGHTS

NOTES

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 AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

MOUNT ALL PORTABLE TRAFFIC CONTROL SIGNS AT A MINIMUM HEIGHT OF 5 FEET, MEASURED FROM THE BOTTOM OF THE SIGN, ABOVE THE EDGE OF PAVEMENT.

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	TRAFFIC CONTROL - ADVANCED WARNING SIGNING - STAGE 1 - 3	SHEET 63	E

2

LEGEND:

WORK AREA

TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL BARRICADES TYPE III WITH / WITHOUT ATTACHED SIGN AND WITH TWO TYPE "A" LIGHTS

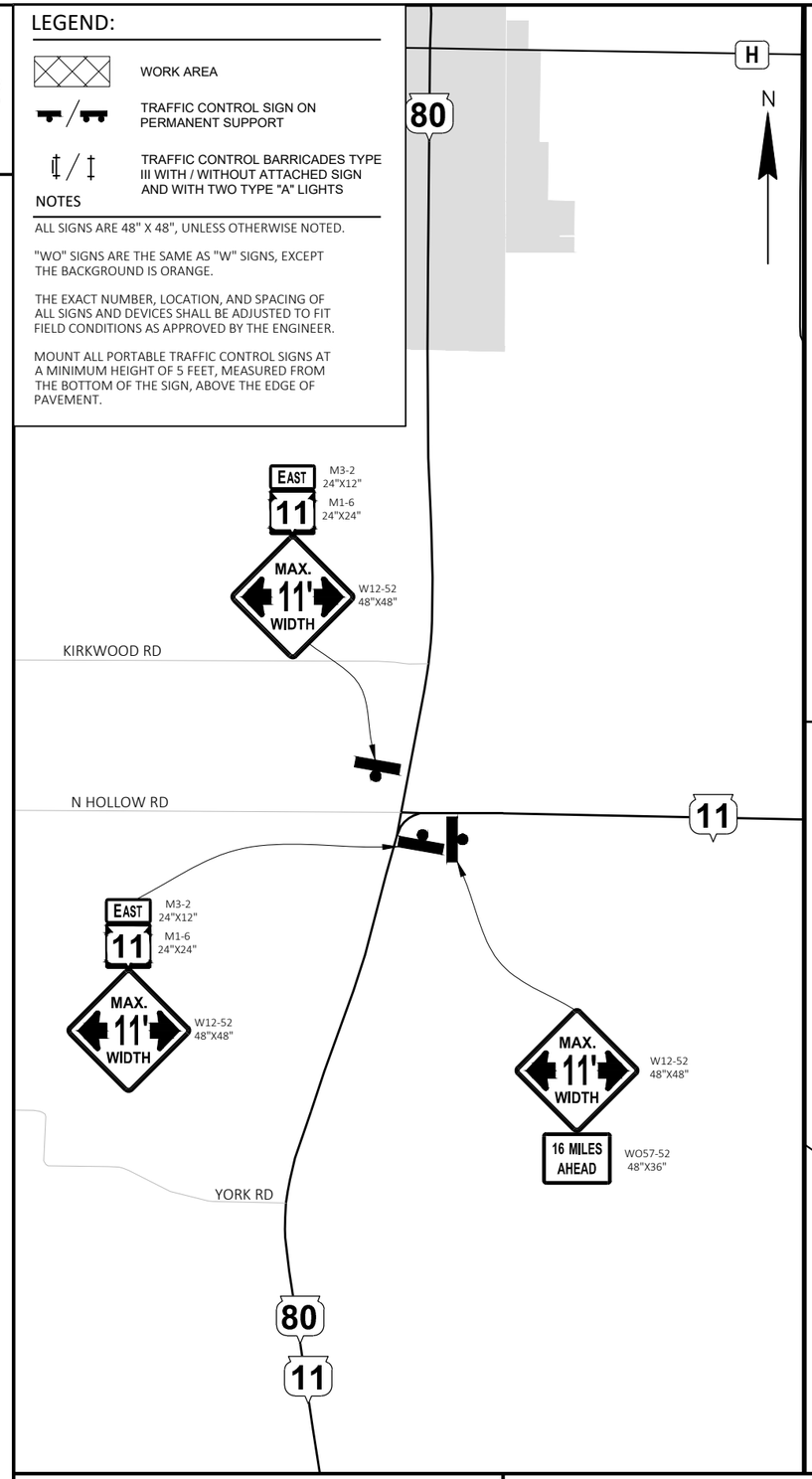
NOTES

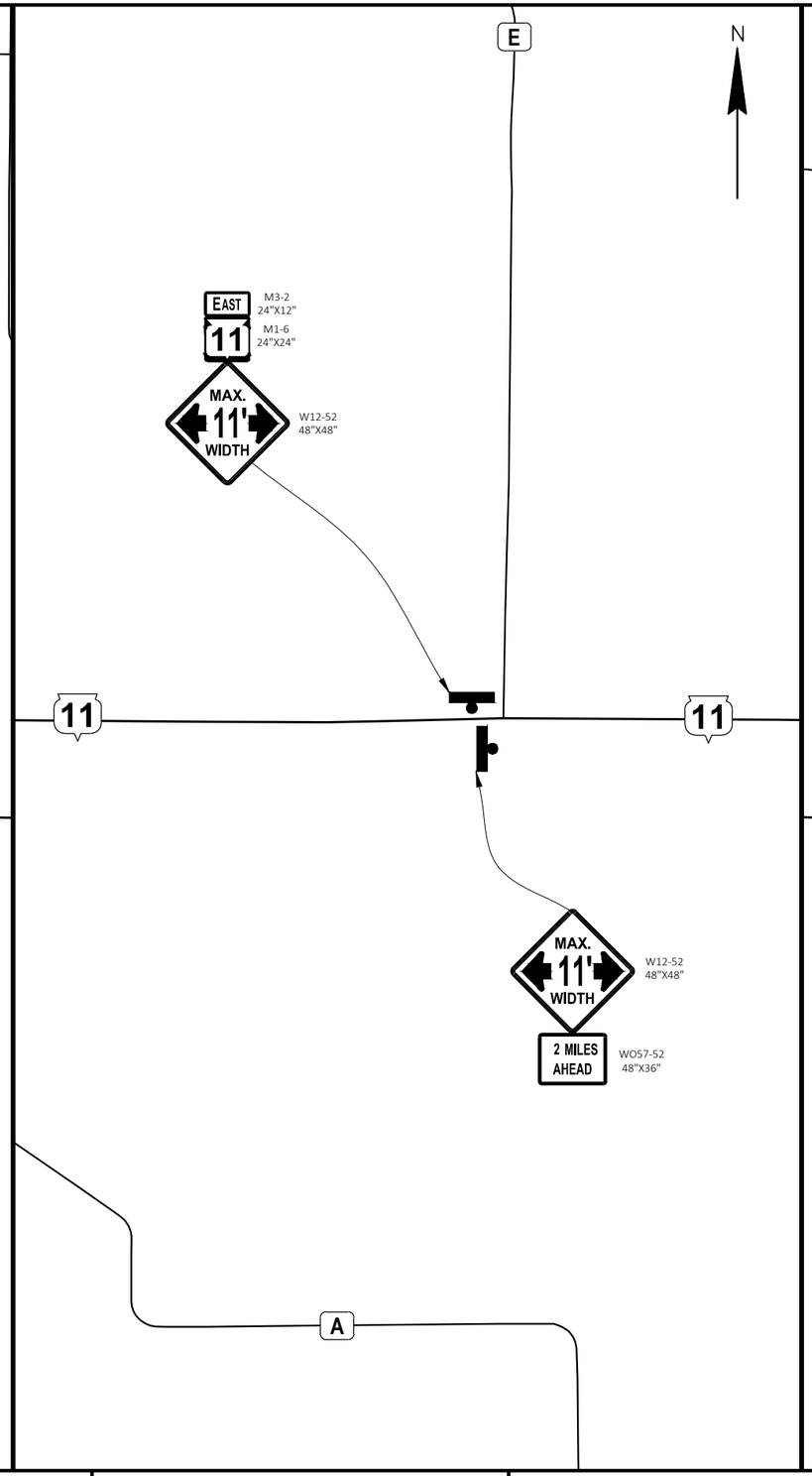
ALL SIGNS ARE 48" X 48", UNLESS OTHERWISE NOTED.

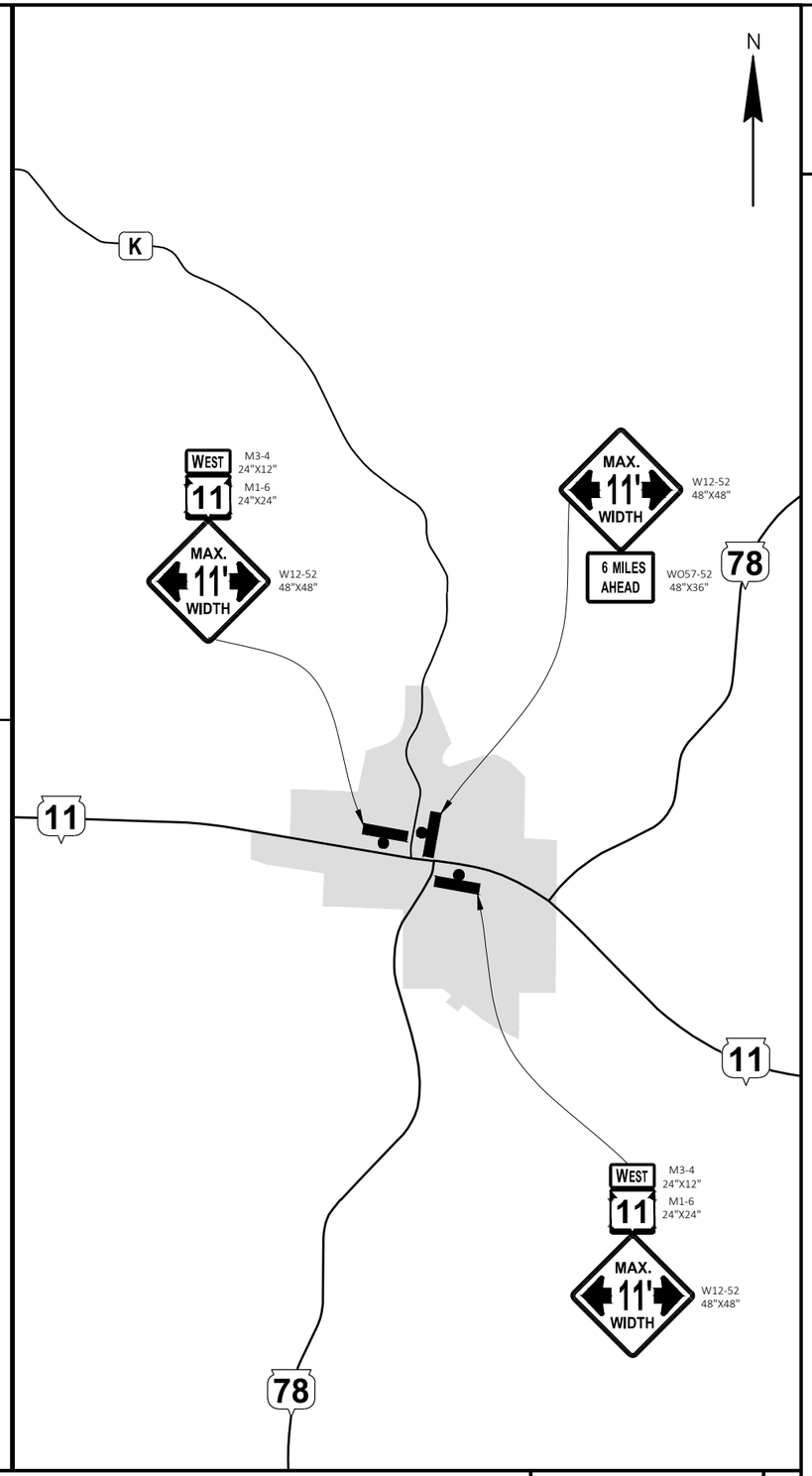
"WO" SIGNS ARE THE SAME AS "W" SIGNS, EXCEPT THE BACKGROUND IS ORANGE.

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

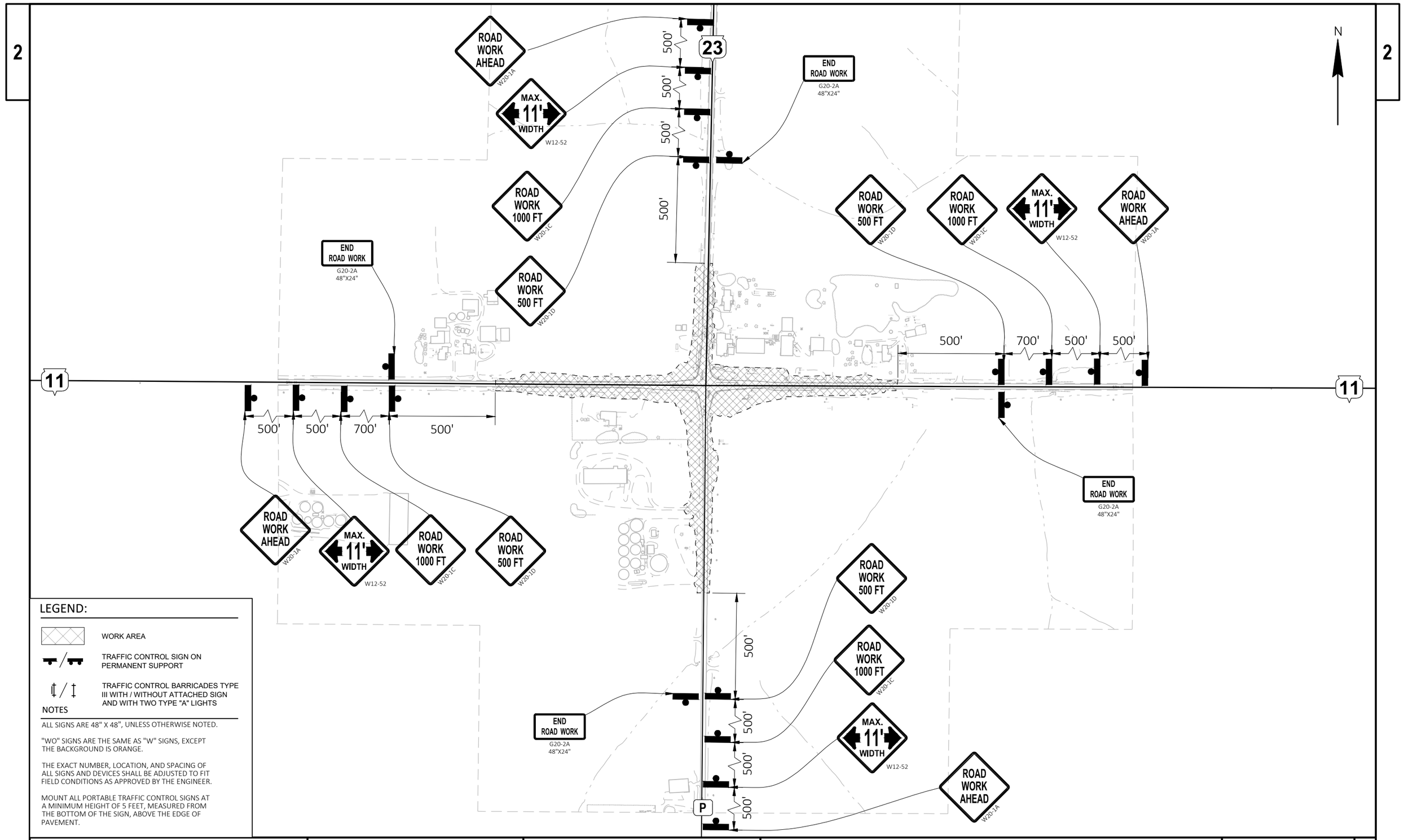
MOUNT ALL PORTABLE TRAFFIC CONTROL SIGNS AT A MINIMUM HEIGHT OF 5 FEET, MEASURED FROM THE BOTTOM OF THE SIGN, ABOVE THE EDGE OF PAVEMENT.







PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	TRAFFIC CONTROL - ADVANCED WARNING SIGNING - WIDTH RESTRICTION	SHEET 64	E



LEGEND:

WORK AREA

TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL BARRICADES TYPE III WITH / WITHOUT ATTACHED SIGN AND WITH TWO TYPE "A" LIGHTS

NOTES

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 AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

MOUNT ALL PORTABLE TRAFFIC CONTROL SIGNS AT A MINIMUM HEIGHT OF 5 FEET, MEASURED FROM THE BOTTOM OF THE SIGN, ABOVE THE EDGE OF PAVEMENT.

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	TRAFFIC CONTROL - ADVANCED WARNING SIGNING - STAGE 4	SHEET 65	E

2

LEGEND:

WORK AREA

TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL BARRICADES TYPE III WITH / WITHOUT ATTACHED SIGN AND WITH TWO TYPE "A" LIGHTS

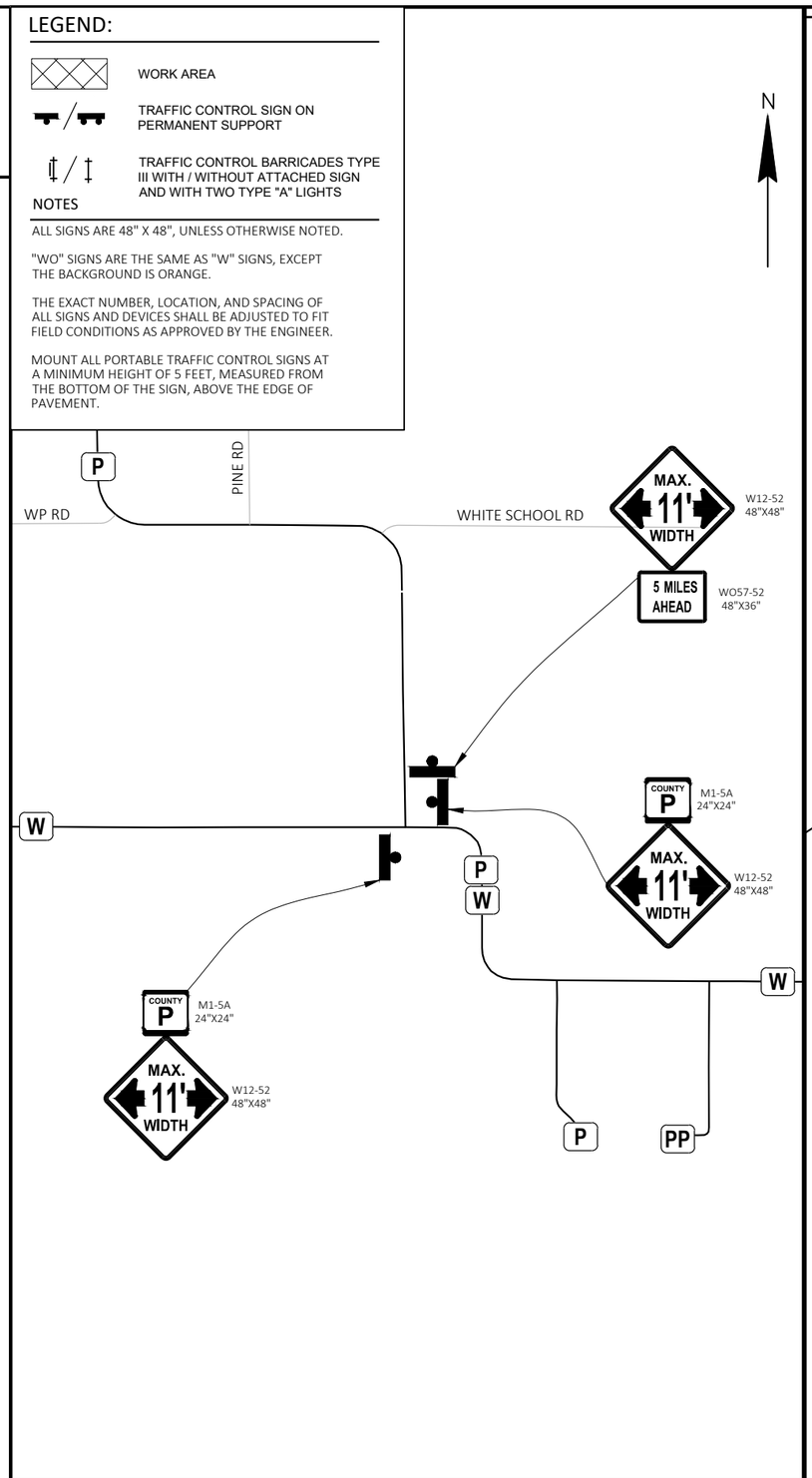
NOTES

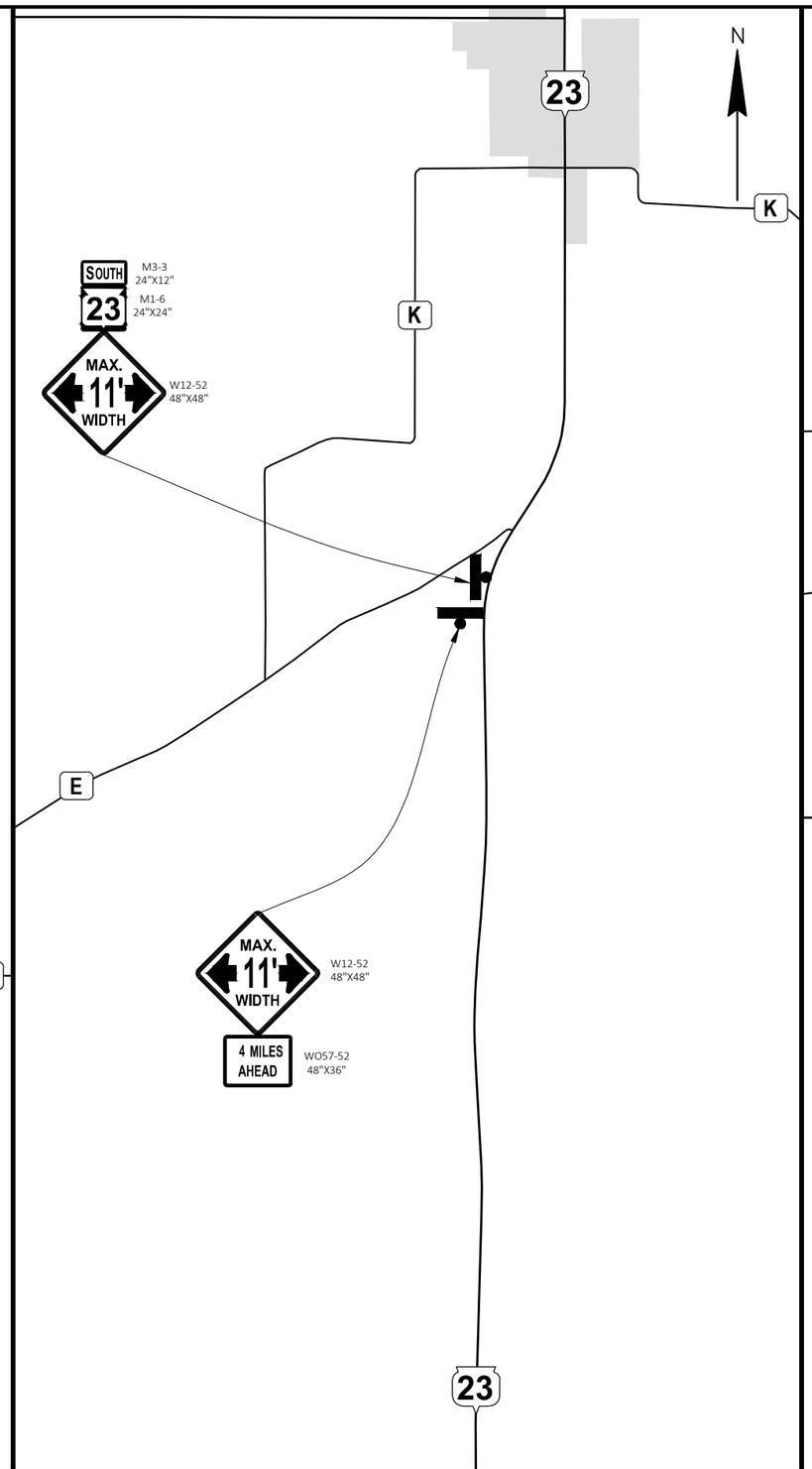
ALL SIGNS ARE 48" X 48", UNLESS OTHERWISE NOTED.

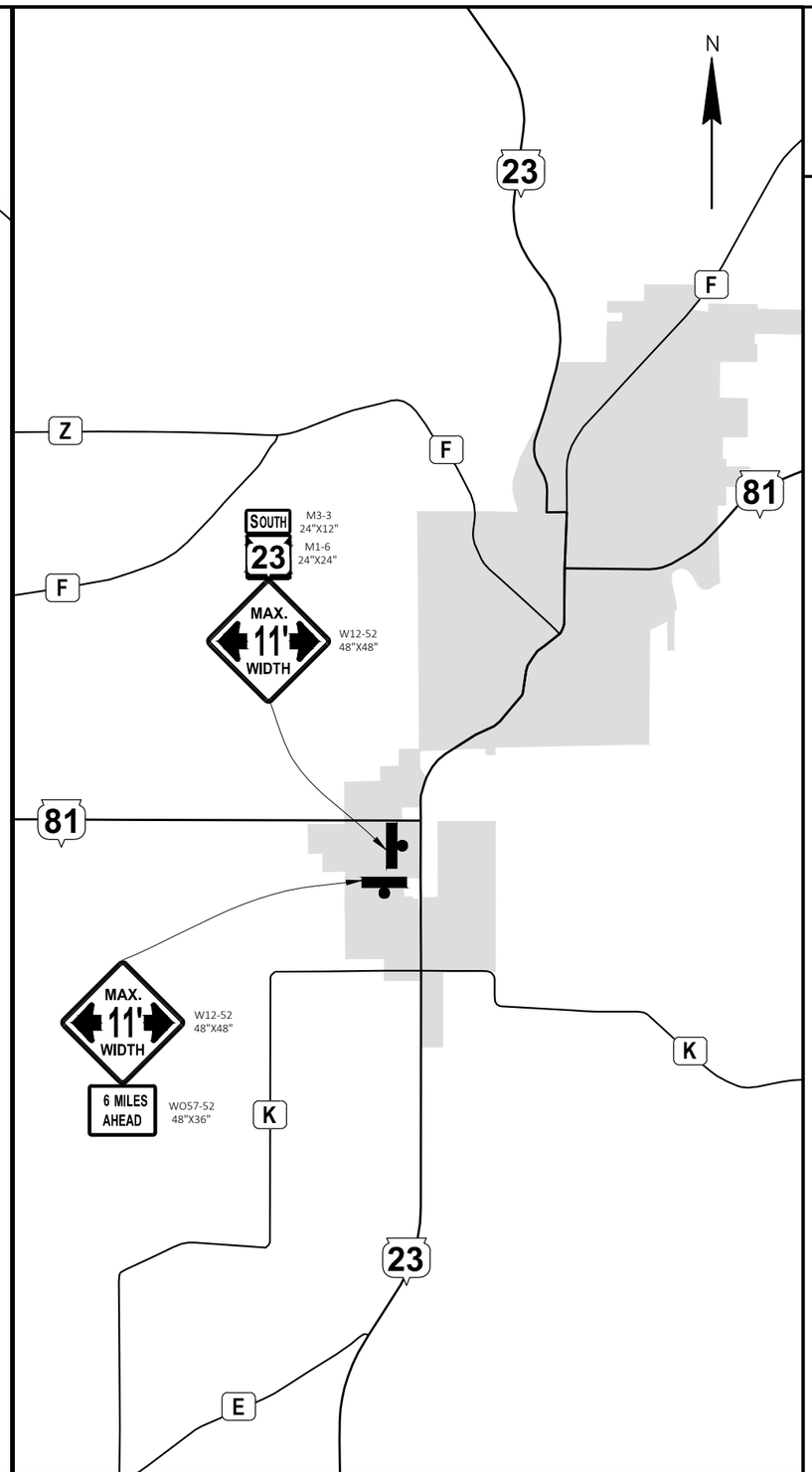
"WO" SIGNS ARE THE SAME AS "W" SIGNS, EXCEPT THE BACKGROUND IS ORANGE.

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

MOUNT ALL PORTABLE TRAFFIC CONTROL SIGNS AT A MINIMUM HEIGHT OF 5 FEET, MEASURED FROM THE BOTTOM OF THE SIGN, ABOVE THE EDGE OF PAVEMENT.







2

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	TRAFFIC CONTROL - ADVANCED WARNING SIGNING - WIDTH RESTRICTION STAGE 4	SHEET 66 E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_025001-AWS.DWG
LAYOUT NAME - AWS - WIDTH RESTRICTION - STAGE 4

PLOT DATE : 3/31/2025 3:28 PM PLOT BY : KUSCHEL, LEVI PLOT NAME : PLOT SCALE : 1 IN:0.5 MI

WISDOT/CADDS SHEET 42

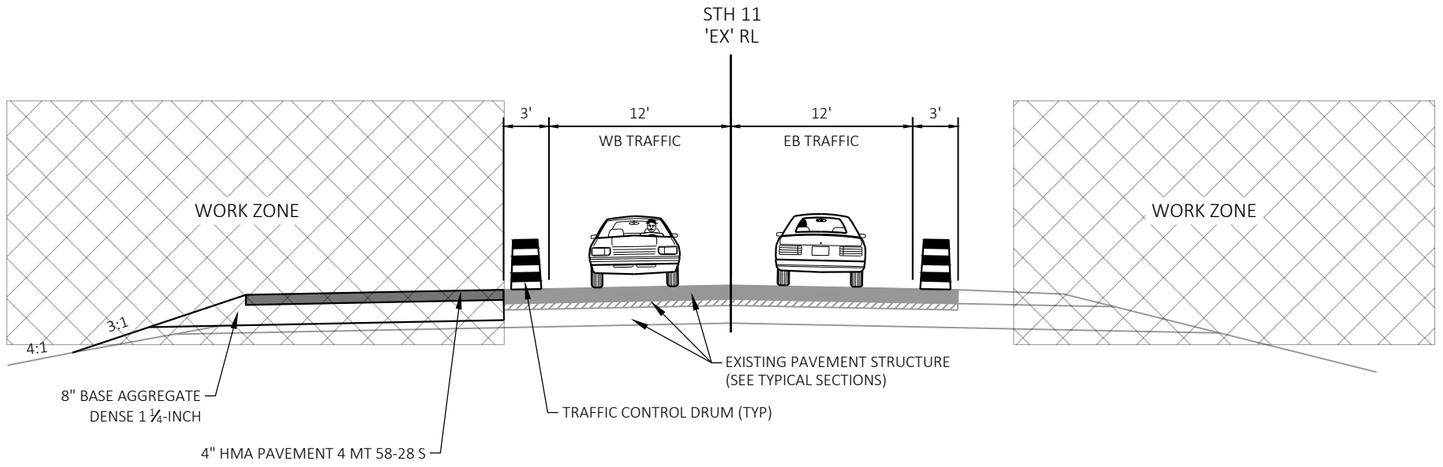
2

STAGE 1

TRAFFIC:
- STH 23 CLOSED TO TRAFFIC.
- CTH P CLOSED TO TRAFFIC.
- STH 11 OPEN ON EXISTING LANES.

CONSTRUCTION:
- GRADE PROPOSED DITCHES.
- REMOVE EXISTING BOX CULVERTS AND INSTALL PROPOSED CULVERTS.
- CONSTRUCT TEMPORARY PAVEMENT ALONG WB STH 11.
- CONSTRUCT STH 23.
- CONSTRUCT CTH P.

NOTE:
-DURING CONSTRUCTION STAGING, FINISH ROAD BANKS THAT ARE TO EXIST FOR LONGER THAN 14 DAYS WITH TEMPORARY SEED, FERTILIZER TYPE B AND MULCHING.



TRAFFIC CONTROL TYPICAL SECTION - STH 11

STAGE 1

2

N

LEGEND:

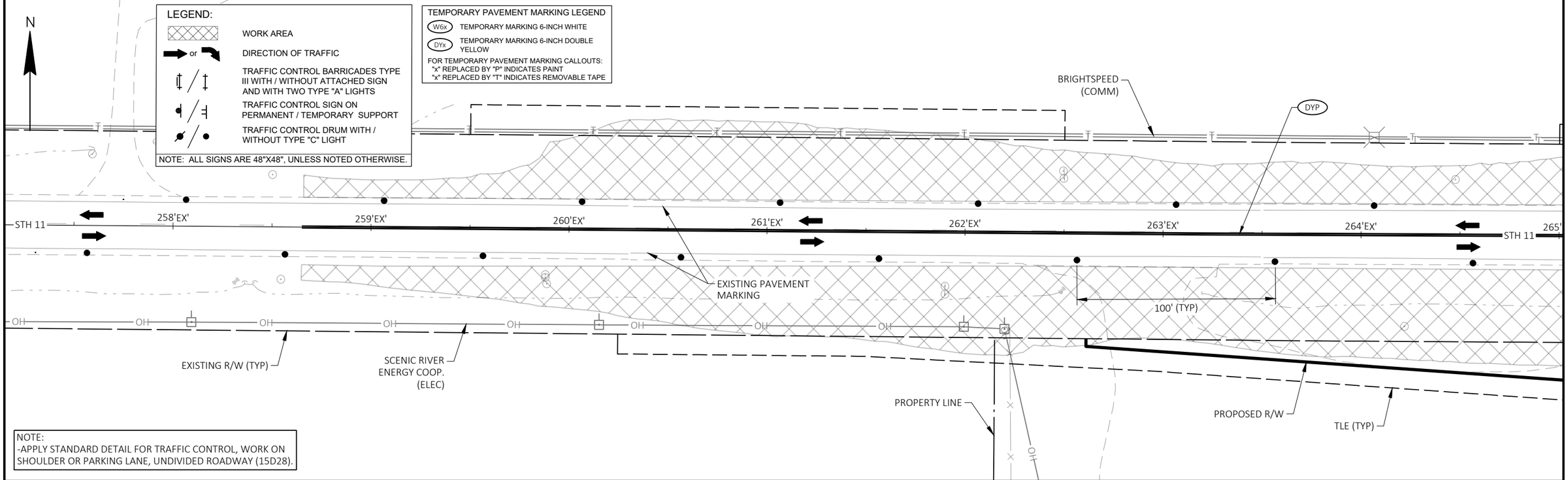
- WORK AREA
- or — DIRECTION OF TRAFFIC
- TRAFFIC CONTROL BARRICADES TYPE III WITH / WITHOUT ATTACHED SIGN AND WITH TWO TYPE "A" LIGHTS
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT

NOTE: ALL SIGNS ARE 48"X48", UNLESS NOTED OTHERWISE.

TEMPORARY PAVEMENT MARKING LEGEND

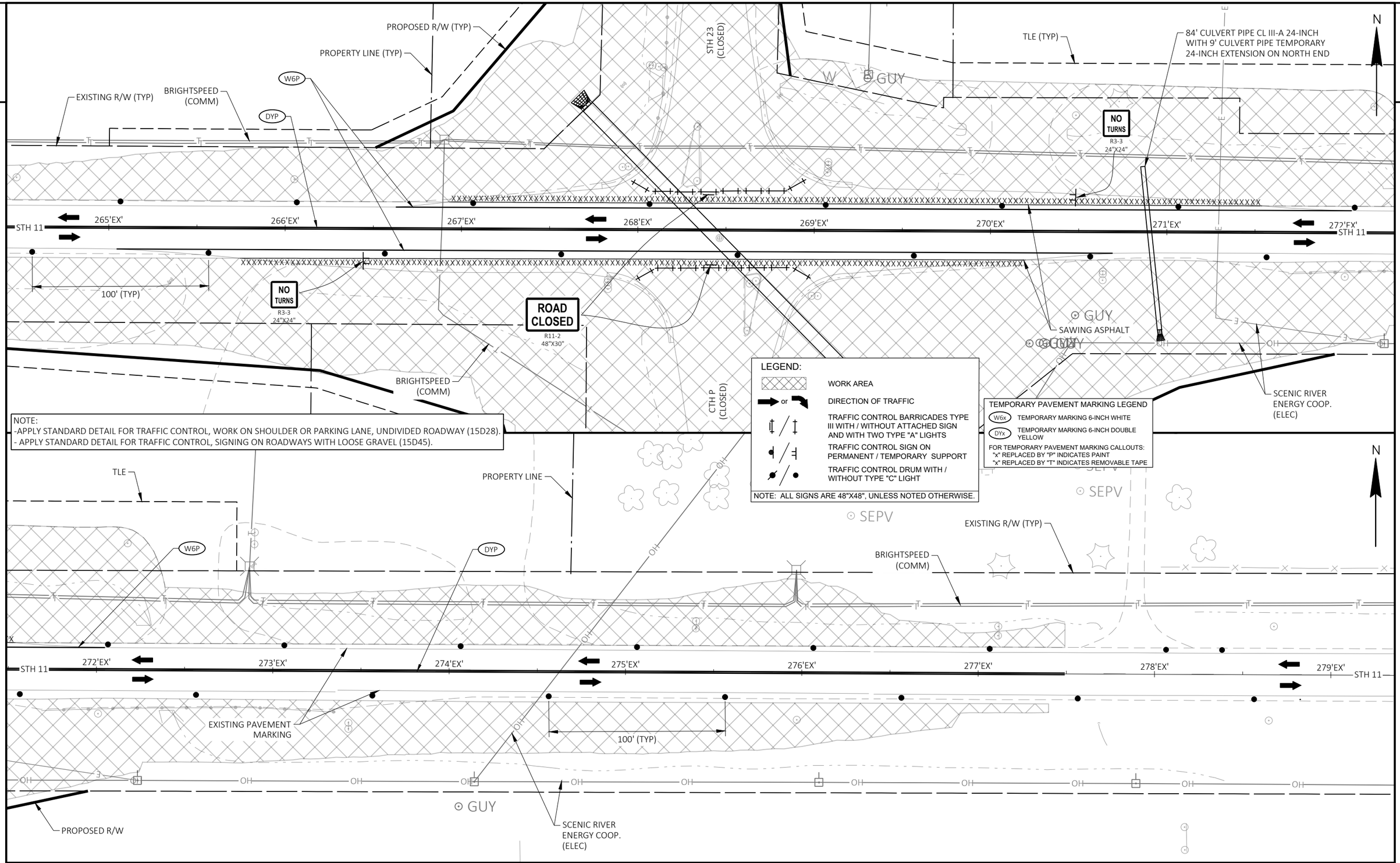
- W6x — TEMPORARY MARKING 6-INCH WHITE
- DYx — TEMPORARY MARKING 6-INCH DOUBLE YELLOW

FOR TEMPORARY PAVEMENT MARKING CALLOUTS:
"x" REPLACED BY "P" INDICATES PAINT
"x" REPLACED BY "T" INDICATES REMOVABLE TAPE

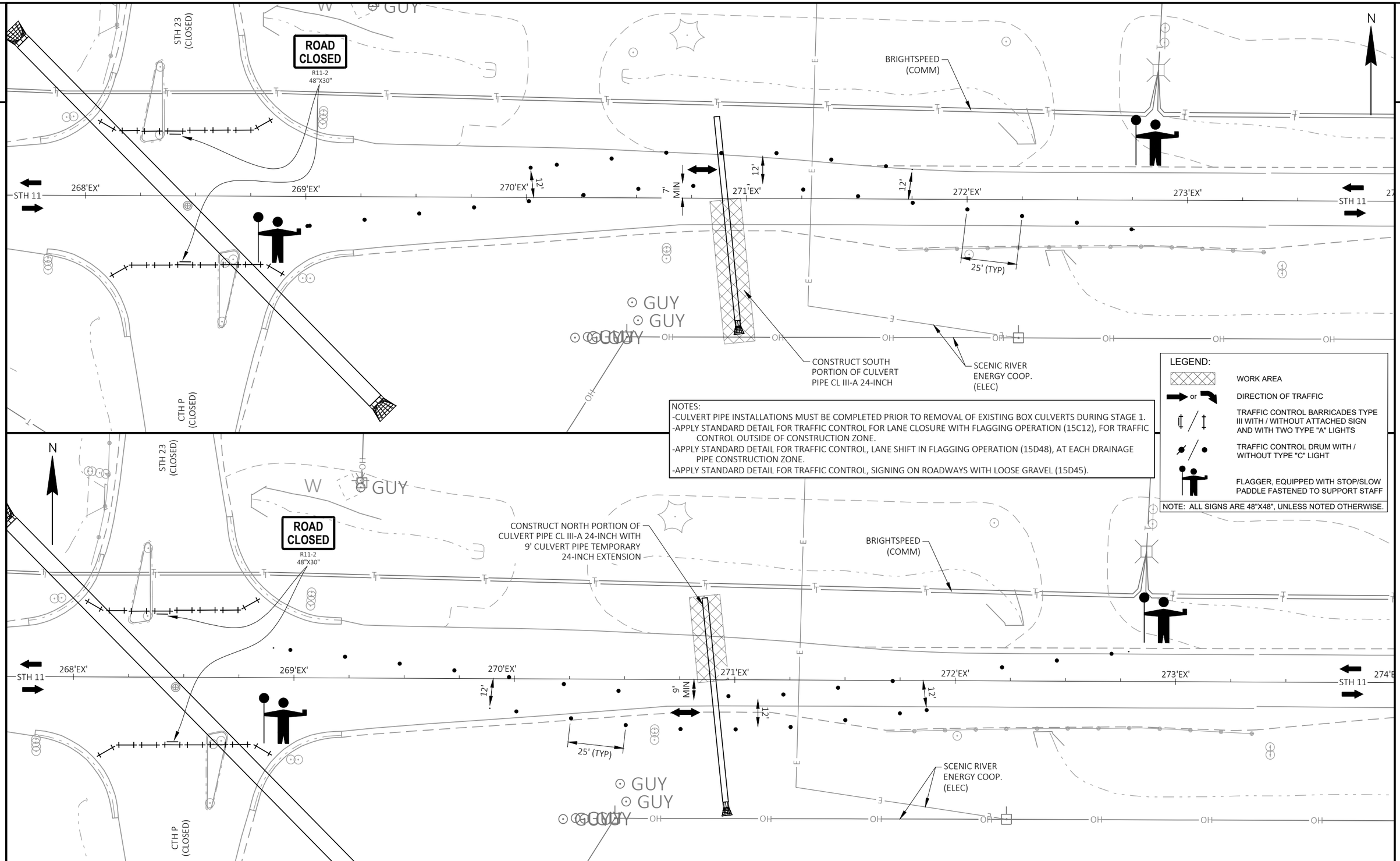


NOTE:
-APPLY STANDARD DETAIL FOR TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY (15D28).

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CONSTRUCTION STAGING - STAGE 1	SHEET 67	E



PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CONSTRUCTION STAGING - STAGE 1	SHEET 68	E



NOTES:
-CULVERT PIPE INSTALLATIONS MUST BE COMPLETED PRIOR TO REMOVAL OF EXISTING BOX CULVERTS DURING STAGE 1.
-APPLY STANDARD DETAIL FOR TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION (15C12), FOR TRAFFIC CONTROL OUTSIDE OF CONSTRUCTION ZONE.
-APPLY STANDARD DETAIL FOR TRAFFIC CONTROL, LANE SHIFT IN FLAGGING OPERATION (15D48), AT EACH DRAINAGE PIPE CONSTRUCTION ZONE.
-APPLY STANDARD DETAIL FOR TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL (15D45).

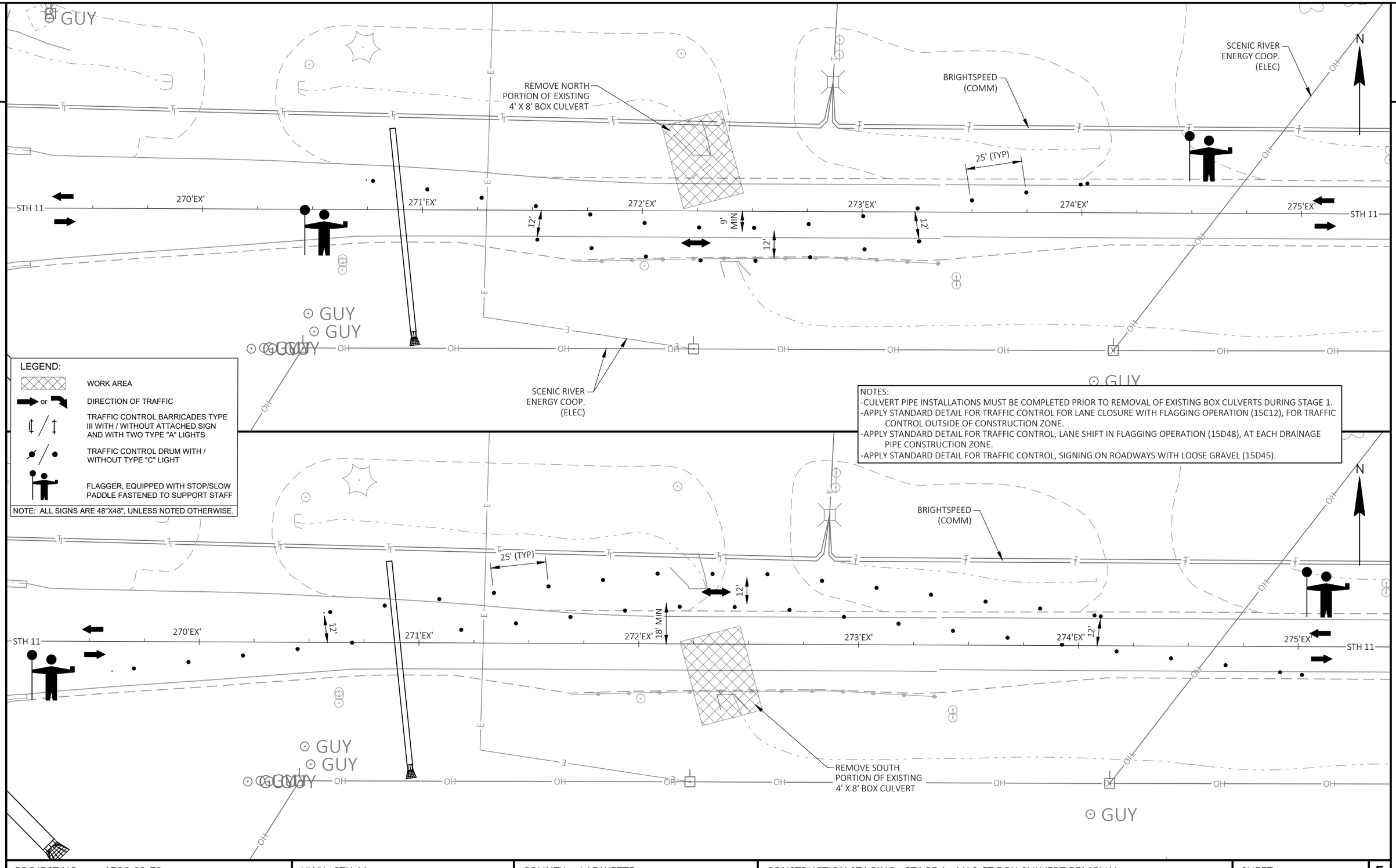
LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL BARRICADES TYPE III WITH / WITHOUT ATTACHED SIGN AND WITH TWO TYPE "A" LIGHTS
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED TO SUPPORT STAFF

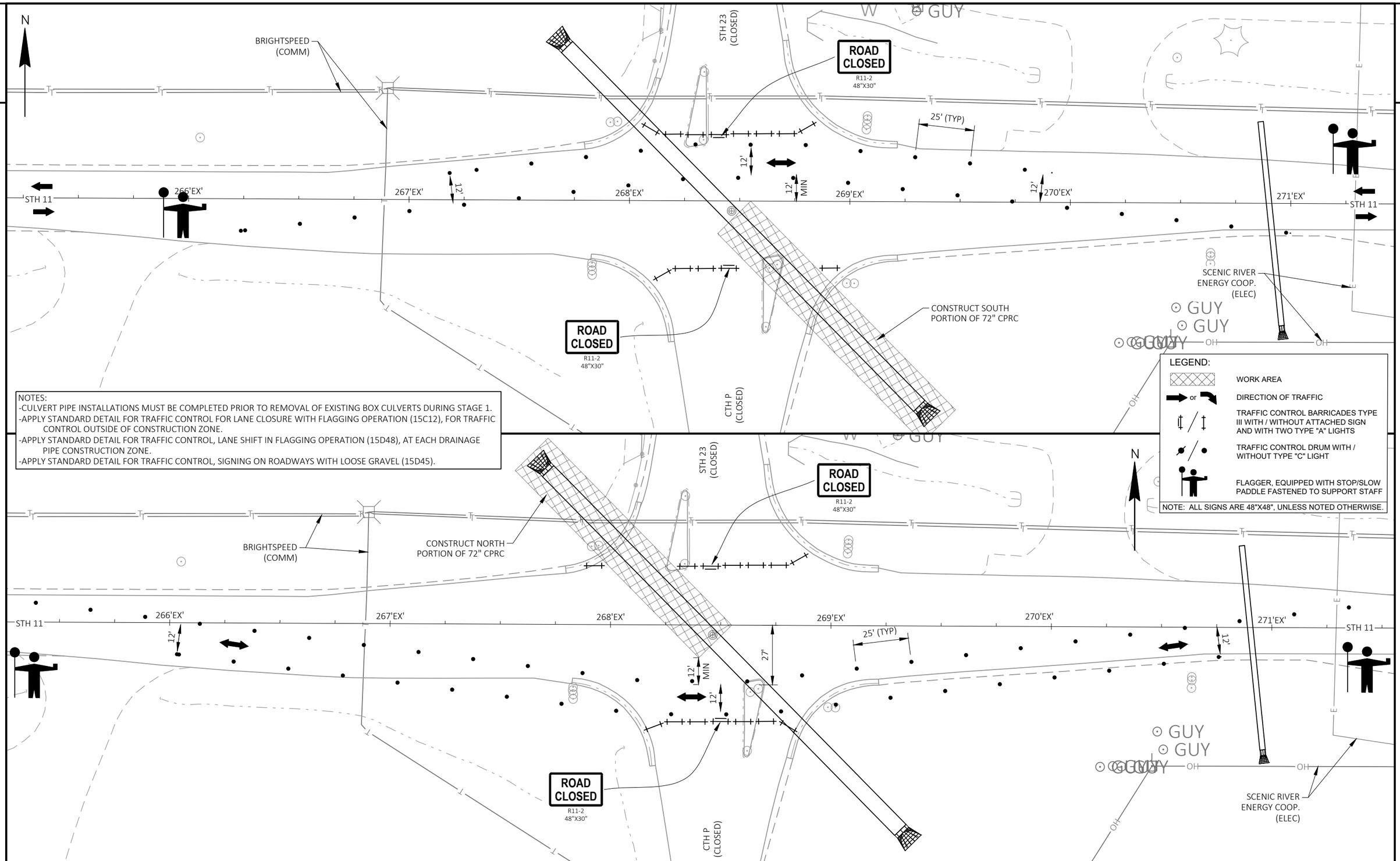
NOTE: ALL SIGNS ARE 48"X48", UNLESS NOTED OTHERWISE.

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CONSTRUCTION STAGING - STAGE 1- CULVERT PIPE CL III-A 24-INCH	SHEET 69	E

2



PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CONSTRUCTION STAGING - STAGE 1- 4 X 8-FT BOX CULVERT REMOVAL	SHEET 70	E



NOTES:
-CULVERT PIPE INSTALLATIONS MUST BE COMPLETED PRIOR TO REMOVAL OF EXISTING BOX CULVERTS DURING STAGE 1.
-APPLY STANDARD DETAIL FOR TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION (15C12), FOR TRAFFIC CONTROL OUTSIDE OF CONSTRUCTION ZONE.
-APPLY STANDARD DETAIL FOR TRAFFIC CONTROL, LANE SHIFT IN FLAGGING OPERATION (15D48), AT EACH DRAINAGE PIPE CONSTRUCTION ZONE.
-APPLY STANDARD DETAIL FOR TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL (15D45).

LEGEND:

- WORK AREA
- or — DIRECTION OF TRAFFIC
- TRAFFIC CONTROL BARRICADES TYPE III WITH / WITHOUT ATTACHED SIGN AND WITH TWO TYPE "A" LIGHTS
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED TO SUPPORT STAFF

NOTE: ALL SIGNS ARE 48"X48", UNLESS NOTED OTHERWISE.

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CONSTRUCTION STAGING - STAGE 1- 72-INCH CPRC	SHEET 71 E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_026102-S1 (CULVERTS).DWG
LAYOUT NAME - - 72-INCH CPRC
PLOT DATE : 2/25/2025 4:30 PM PLOT BY : KUSCHEL, LEVI PLOT NAME : PLOT SCALE : 1 IN:40 FT

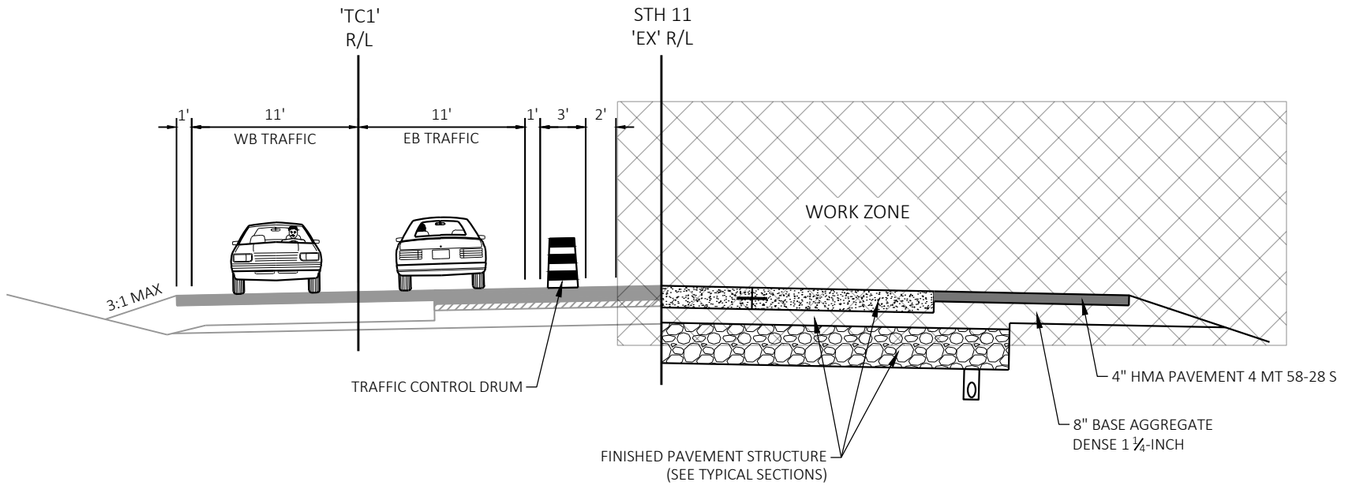
2

STAGE 2

TRAFFIC:
- STH 23 CLOSED TO TRAFFIC.
- CTH P CLOSED TO TRAFFIC.
- STH 11 OPEN ON EXISTING AND TEMPORARY PAVEMENT.

CONSTRUCTION:
- CONSTRUCT SOUTHERN HALF OF ROUNDABOUT.
- CONSTRUCT STH 11 EB LANE.
- CONSTRUCT STH 23.
- CONSTRUCT CTH P.
- CONSTRUCT WIDENING ALONG EXITING AND PROPOSED EB STH 11 FOR USE IN STAGE 3.

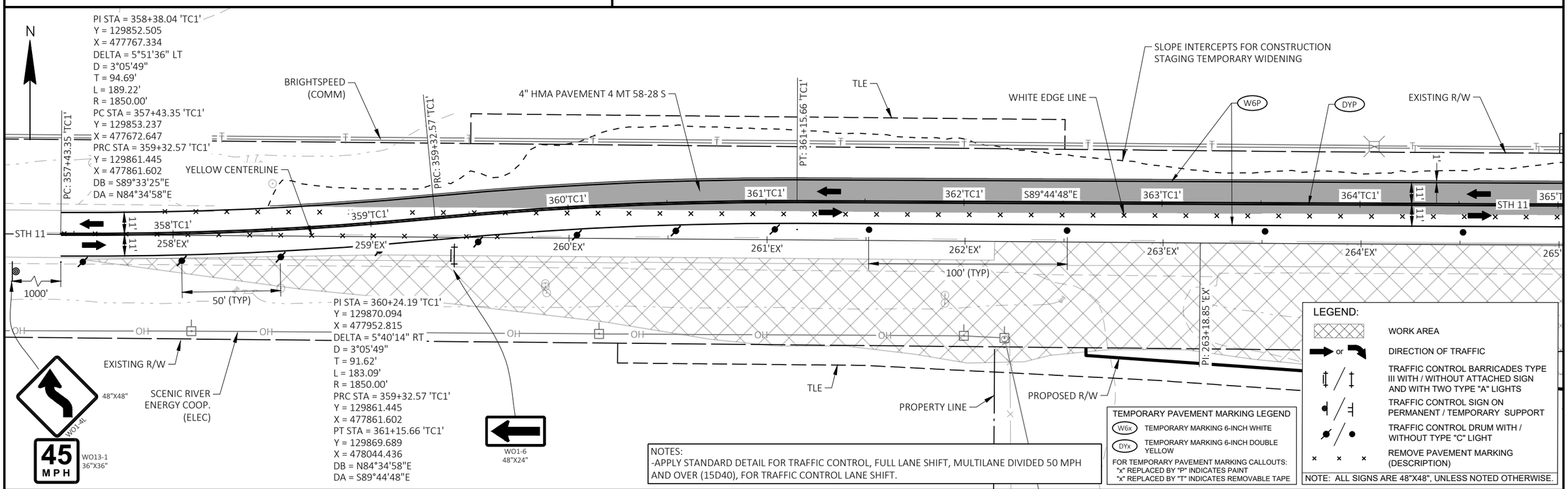
NOTE:
-DURING CONSTRUCTION STAGING FINISH ROAD BANKS THAT ARE TO EXIST FOR LONGER THAN 14 DAYS WITH TEMPORARY SEED, FERTILIZER TYPE B AND MULCHING.



TRAFFIC CONTROL TYPICAL SECTION - STH 11

STAGE 2

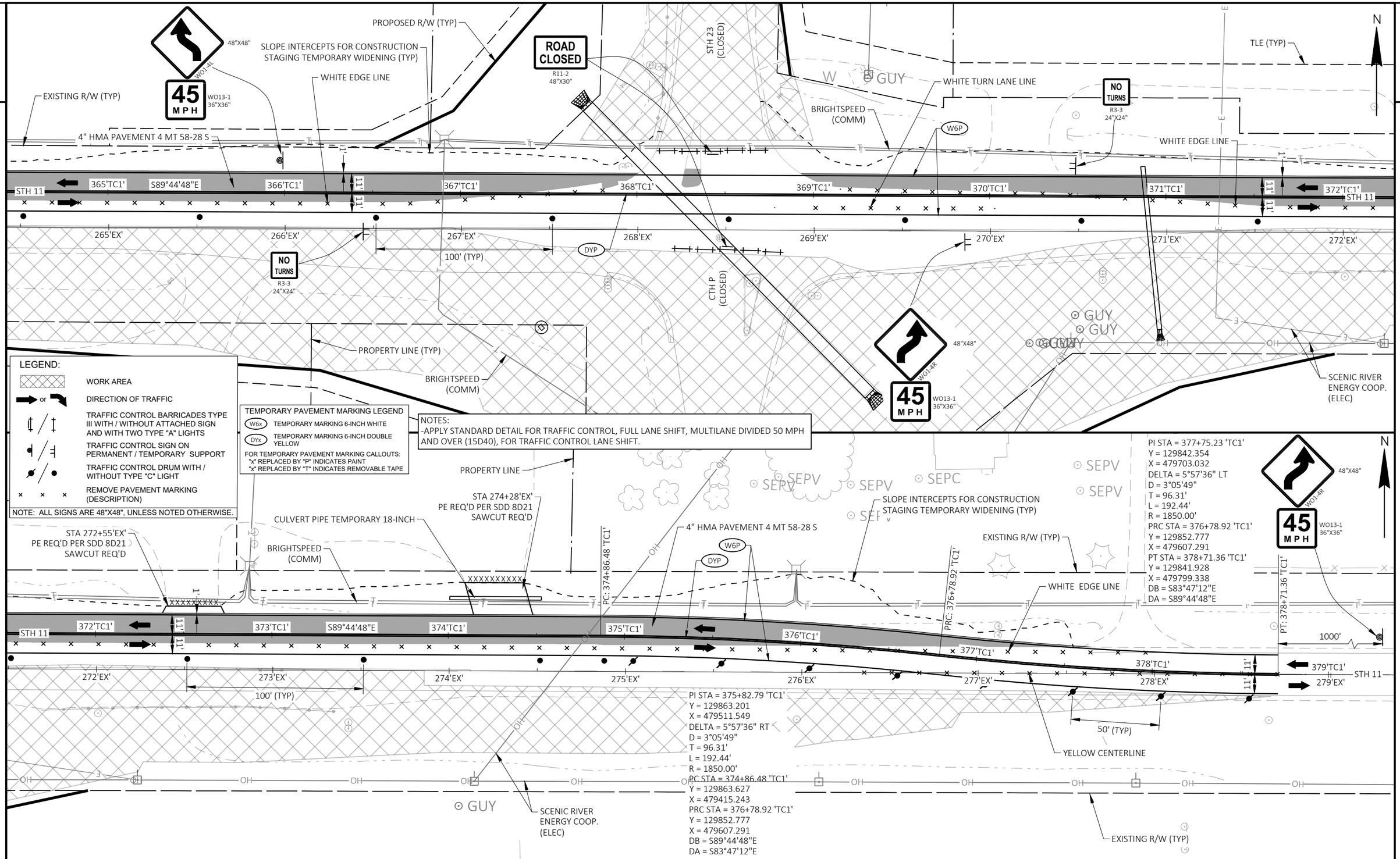
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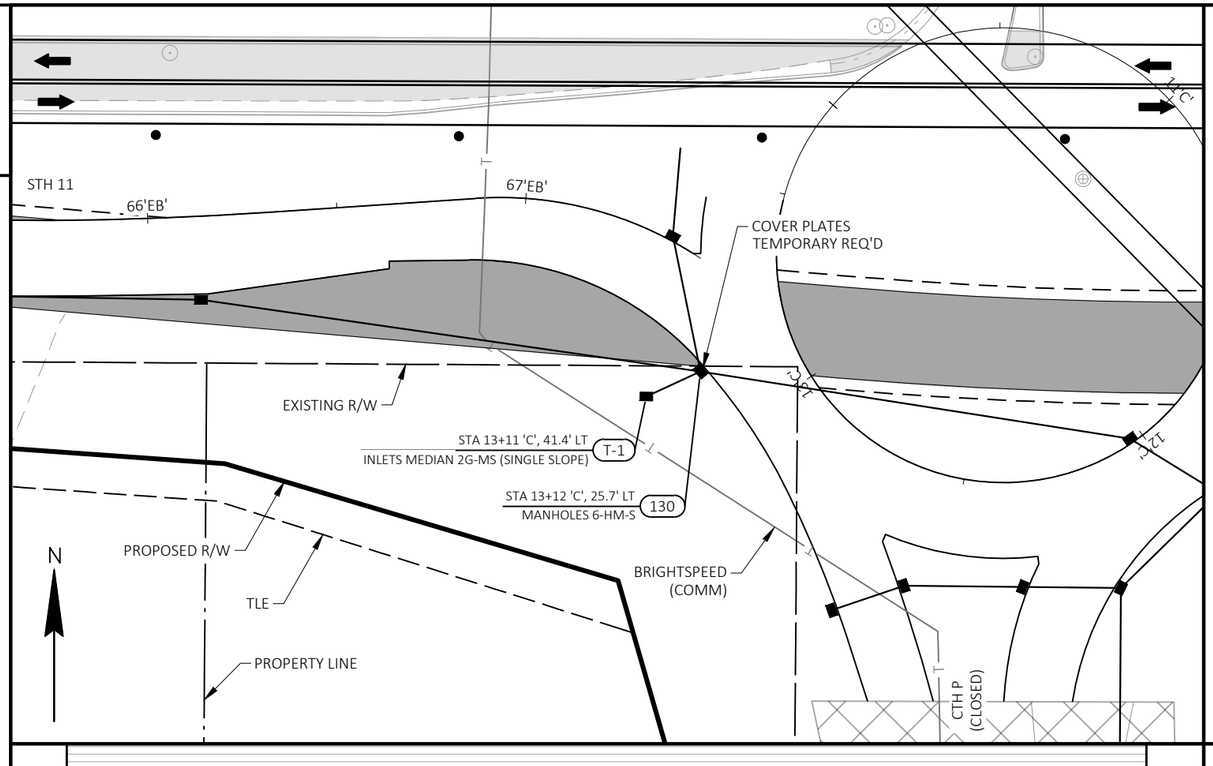
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CONSTRUCTION STAGING - STAGE 2	SHEET 72	E

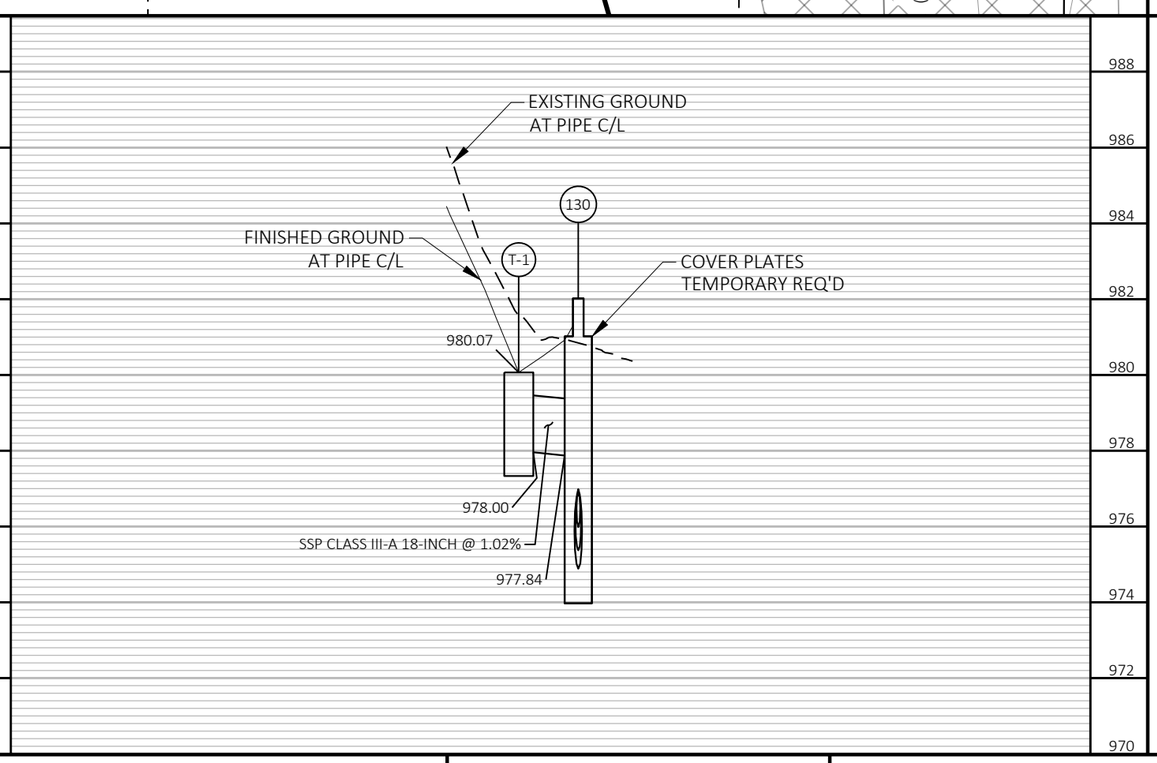
FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_026201-S2.DWG
LAYOUT NAME - 01
PLOT DATE : 8/18/2025 5:41 PM
PLOT BY : KUSCHEL, LEVI
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

2



PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CONSTRUCTION STAGING - STAGE 2	SHEET 73	E





PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CONSTRUCTION STAGING - STAGE 2 - TEMPORARY STORM SEWER CONNECTION	SHEET 74	E

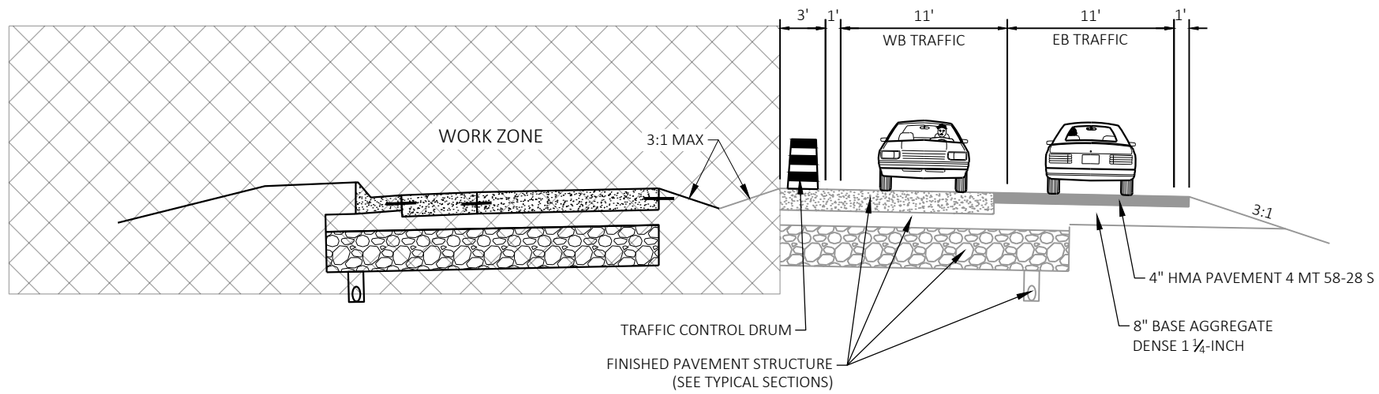
2

STAGE 3

TRAFFIC:
- STH 23 CLOSED TO TRAFFIC.
- CTH P CLOSED TO TRAFFIC.
- STH 11 OPEN ON EXISTING, PROPOSED, AND TEMPORARY PAVEMENT.

CONSTRUCTION:
- CONSTRUCT NORTHERN HALF OF ROUNDABOUT.
- CONSTRUCT STH 11 WB LANE.
- CONSTRUCT STH 23.
- CONSTRUCT CTH P.
- REMOVE WB WIDENING AND GRADE SHOULDERS.

NOTE:
-DURING CONSTRUCTION STAGING FINISH ROAD BANKS THAT ARE TO EXIST FOR LONGER THAN 14 DAYS WITH TEMPORARY SEED, FERTILIZER TYPE B AND MULCHING.



TRAFFIC CONTROL TYPICAL SECTION - STH 11

STAGE 3

2

TEMPORARY PAVEMENT MARKING LEGEND

W6x TEMPORARY MARKING 6-INCH WHITE

DYx TEMPORARY MARKING 6-INCH DOUBLE YELLOW

FOR TEMPORARY PAVEMENT MARKING CALLOUTS:
"x" REPLACED BY "P" INDICATES PAINT
"x" REPLACED BY "T" INDICATES REMOVABLE TAPE

NOTES:
-APPLY STANDARD DETAIL FOR TRAFFIC CONTROL, FULL LANE SHIFT, MULTILANE DIVIDED 50 MPH AND OVER (15D40), FOR TRAFFIC CONTROL LANE SHIFT.

LEGEND:

WORK AREA

or DIRECTION OF TRAFFIC

TRAFFIC CONTROL BARRICADES TYPE III WITH / WITHOUT ATTACHED SIGN AND WITH TWO TYPE "A" LIGHTS

TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT

TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT

REMOVE PAVEMENT MARKING (DESCRIPTION)

NOTE: ALL SIGNS ARE 48"X48", UNLESS NOTED OTHERWISE.

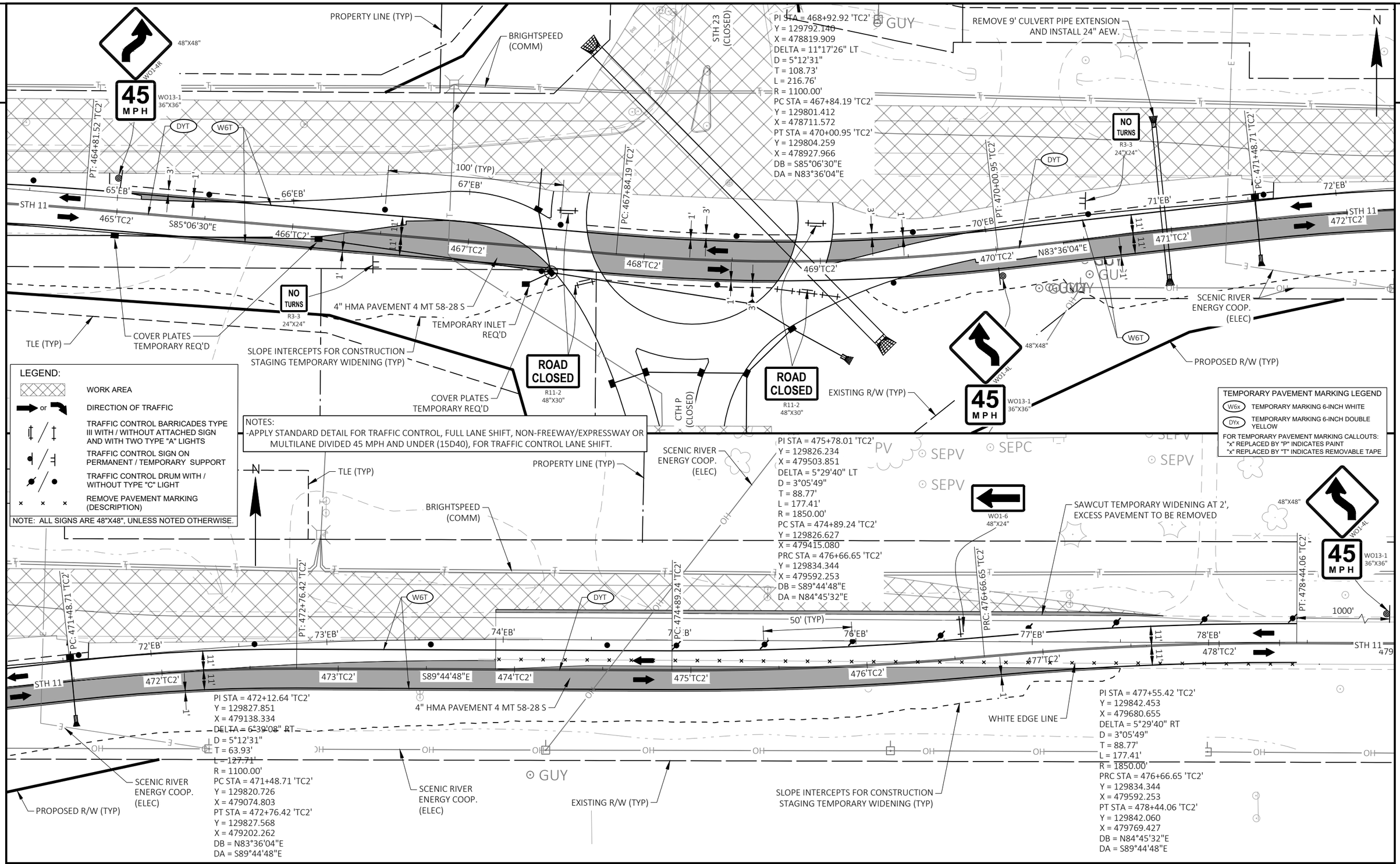
N

PI STA = 460+26.91 'TC2'
Y = 129834.051
X = 477955.385
DELTA = 5°29'40" LT
D = 3°05'49"
T = 88.77'
L = 177.41'
R = 1850.00'
PRC STA = 459+38.13 'TC2'
Y = 129843.234
X = 477867.088
PT STA = 461+15.54 'TC2'
Y = 129833.364
X = 478044.155
DB = S84°03'45"E
DA = S89°33'25"E

PI STA = 464+38.83 'TC2'
Y = 129830.865
X = 478367.435
DELTA = 4°26'56" RT
D = 5°12'31"
T = 42.73'
L = 85.41'
R = 1100.00'
PC STA = 463+96.11 'TC2'
Y = 129831.196
X = 478324.709
PT STA = 464+81.52 'TC2'
Y = 129827.222
X = 478410.005
DB = S89°33'25"E
DA = S85°06'30"E

EXISTING R/W (TYP)
SAWCUT TEMPORARY WIDENING AT 2', EXCESS PAVEMENT TO BE REMOVED
BRIGHTSPEED (COMM)
PC: 457+60.72 'TC2'
PRC: 459+38.13 'TC2'
PT: 461+15.54 'TC2'
PC: 463+96.11 'TC2'
PT: 464+81.52 'TC2'
50' (TYP)
100' (TYP)
S89°33'25"E
STH 11
58'EB'
458'TC2'
59'EB'
459'TC2'
60'EB'
460'TC2'
W6T
61'EB'
461'TC2'
62'EB'
462'TC2'
63'EB'
463'TC2'
64'EB'
464'TC2'
65'E
1000'
11'
11'
1'
1'
WHITE EDGE LINE
4" HMA PAVEMENT 4 MT 58-28 S
1' PAVED SHOULDER
DYT
PI STA = 458+49.50 'TC2'
Y = 129852.417
X = 477778.792
DELTA = 5°29'40" RT
D = 3°05'49"
T = 88.77'
L = 177.41'
R = 1850.00'
PC STA = 457+60.72 'TC2'
Y = 129853.103
X = 477690.022
PRC STA = 459+38.13 'TC2'
Y = 129843.234
X = 477867.088
DB = S89°33'25"E
DA = S84°03'45"E
SCENIC RIVER ENERGY COOP. (ELEC)
SLOPE INTERCEPTS FOR CONSTRUCTION STAGING TEMPORARY WIDENING (TYP)
PROPOSED R/W
STA 462+90'TC2' PE REQ'D PER SDD 8D21
CULVERT PIPE TEMPORARY 18-INCH
TLE (TYP)
COVER PLATES TEMPORARY REQ'D
OH
48"X48"
W01-4R
45 MPH
W013-1
36"X36"

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CONSTRUCTION STAGING - STAGE 3	SHEET 75	E



PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CONSTRUCTION STAGING - STAGE 3	SHEET 76	E

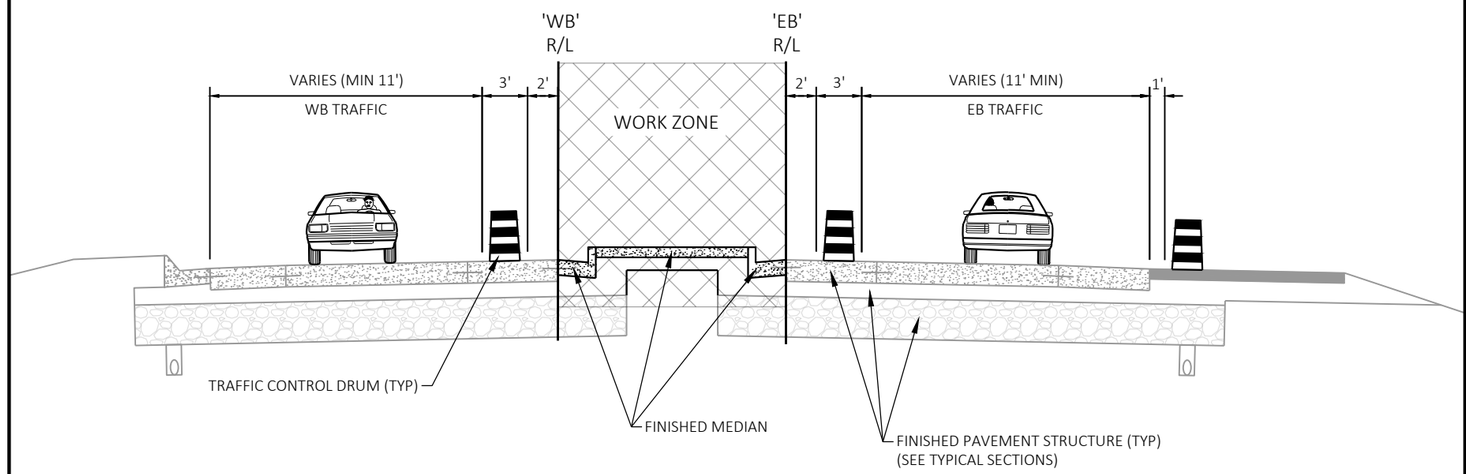
2

STAGE 4A

TRAFFIC:
- STH 23 OPEN TO TRAFFIC.
- CTH P OPEN TO TRAFFIC.
- STH 11 OPEN TO TRAFFIC ON PROPOSED PAVEMENT.

CONSTRUCTION:
- CONSTRUCT ROUNDABOUT INTERIOR AND STH 11 MEDIAN ISLANDS.

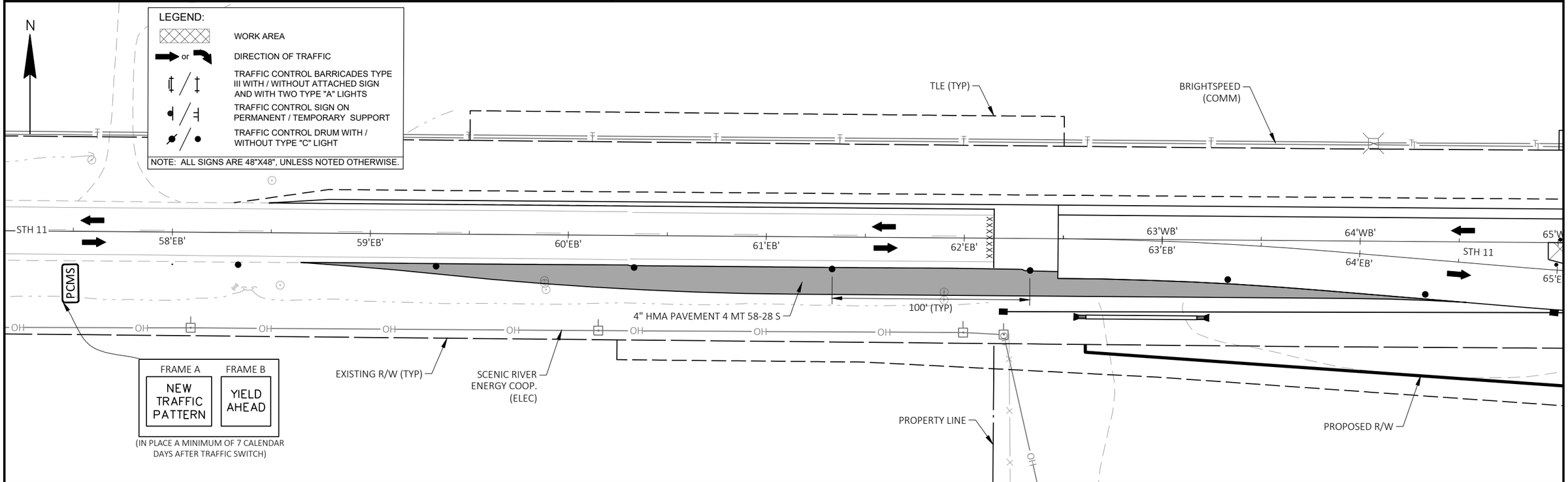
NOTE:
-ALL APPLICABLE SIGNING, PAVEMENT MARKING, AND LIGHTING SHALL BE COMPLETED PRIOR TO OPENING THE ROUNDABOUT IN STAGE 4A.
-PCMS BOARDS ARE TO BE INSTALLED ON STH 23 AND CTH P FOR A MINIMUM OF 7 CALENDAR DAYS AFTER TRAFFIC SWITCH



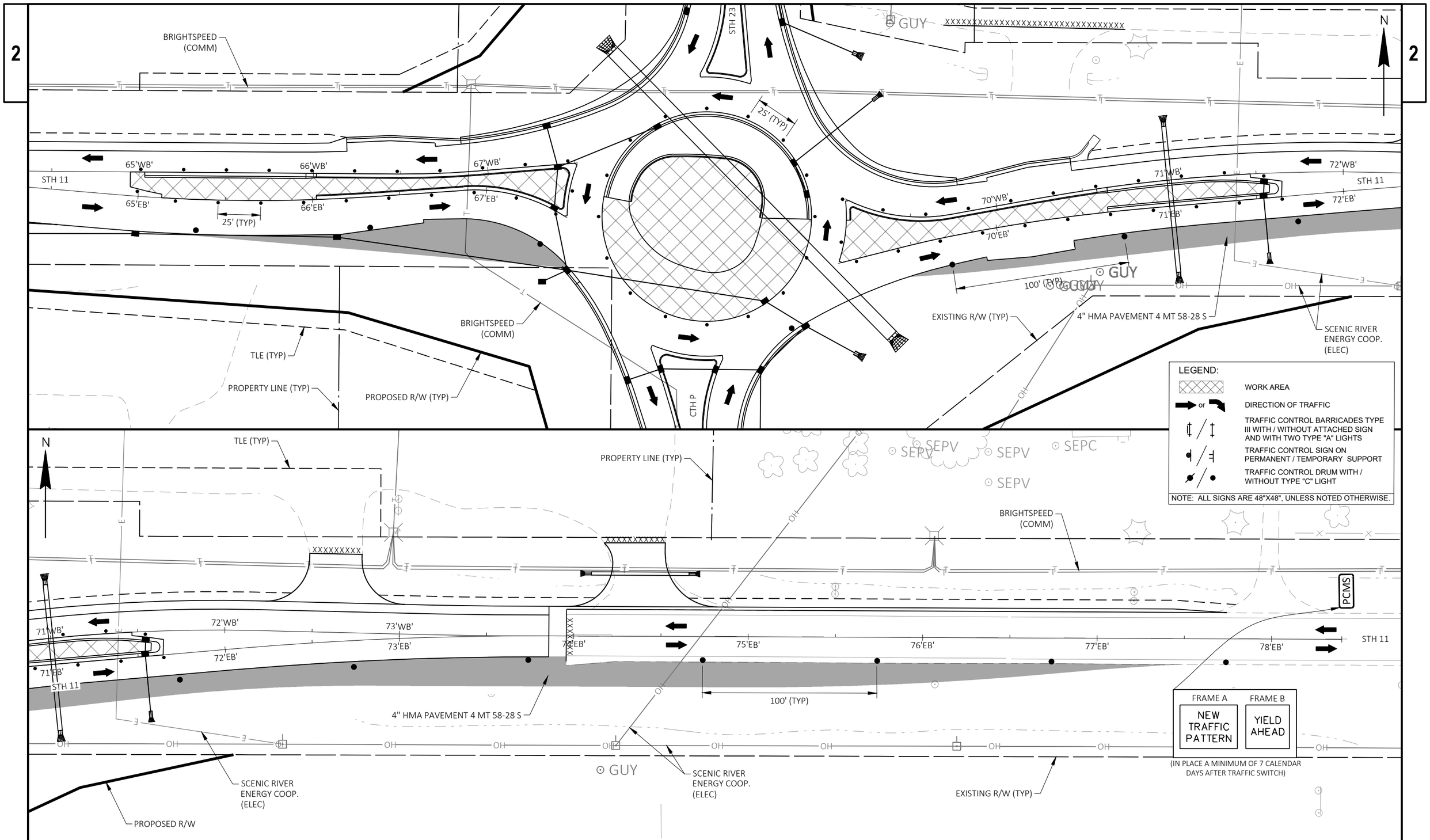
TRAFFIC CONTROL TYPICAL SECTION - STH 11

STAGE 4A

2



PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CONSTRUCTION STAGING - STAGE 4A	SHEET 77	E



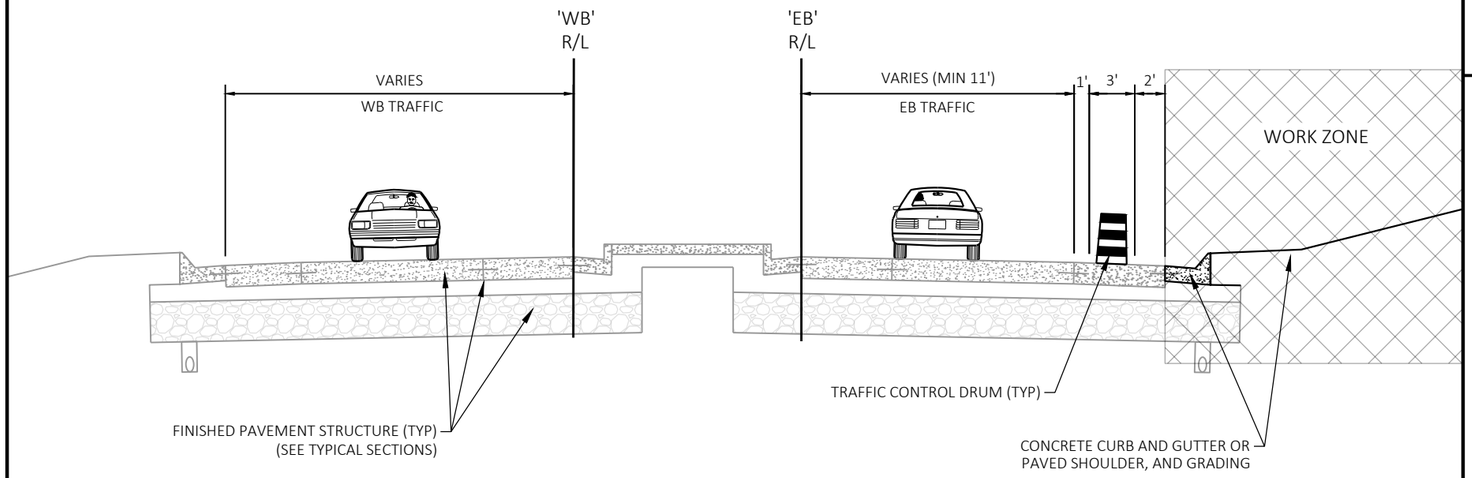
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CONSTRUCTION STAGING - STAGE 4A	SHEET 78 E

2

STAGE 4B

TRAFFIC:
- STH 23 OPEN TO TRAFFIC.
- CTH P OPEN TO TRAFFIC.
- STH 11 OPEN TO TRAFFIC ON PROPOSED PAVEMENT.

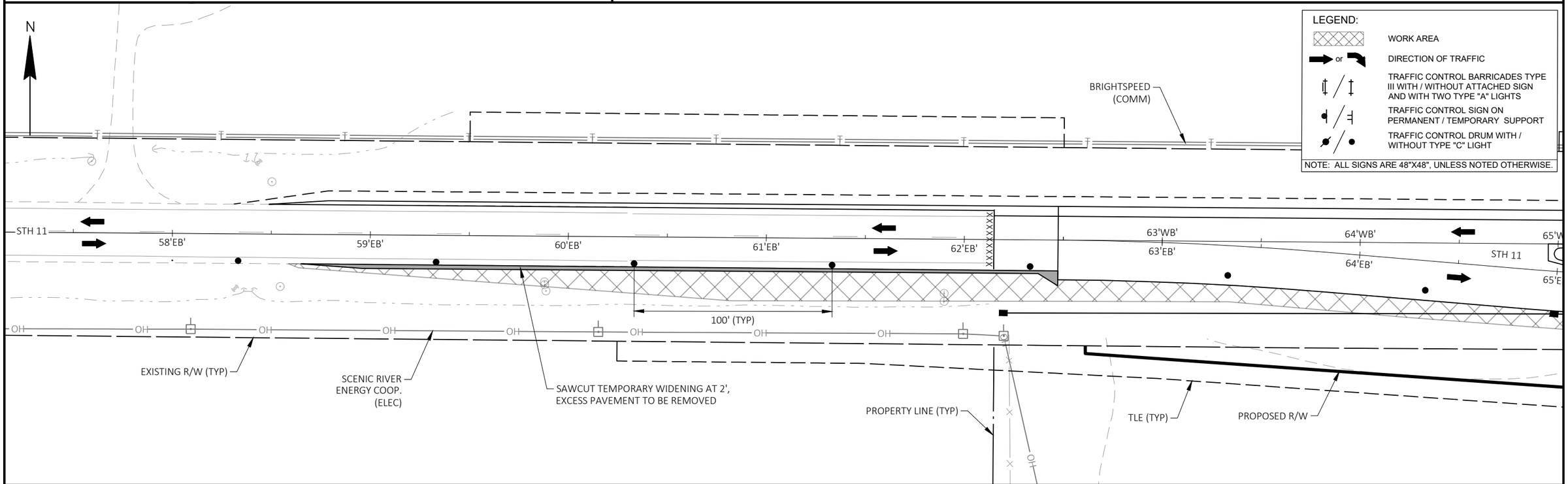
CONSTRUCTION:
- CONSTRUCT STH 11 EB OUTSIDE CURB & GUTTER, SHOULDERS, AND TRUCK APRONS.



TRAFFIC CONTROL TYPICAL SECTION - STH 11

STAGE 4B

2



PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CONSTRUCTION STAGING - STAGE 4B	SHEET 79	E

2

BRIGHTSPEED (COMM)

STH 23

GUY

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

N

STH 11

65'WB'

66'WB'

67'WB'

65'EB'

66'EB'

67'EB'

100' (TYP)

PROPERTY LINE (TYP)

TLE (TYP)

BRIGHTSPEED (COMM)

CTH P

72'WB'

71'WB'

70'WB'

STH 11

72'EB'

71'EB'

70'EB'

GUY

OH

EXISTING R/W (TYP)

SCENIC RIVER ENERGY COOP. (ELEC)

SAWCUT TEMPORARY WIDENING AT 5', EXCESS PAVEMENT TO BE REMOVED

PROPOSED R/W (TYP)

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL BARRICADES TYPE III WITH / WITHOUT ATTACHED SIGN AND WITH TWO TYPE "A" LIGHTS
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT

NOTE: ALL SIGNS ARE 48"X48", UNLESS NOTED OTHERWISE.

TLE (TYP)

PROPERTY LINE (TYP)

SEPV

SEPC

N

BRIGHTSPEED (COMM)

xxxxxxxxx

xxxxxxxxx

71'WB'

72'WB'

73'WB'

STH 11

72'EB'

71'EB'

73'EB'

74'EB'

75'EB'

76'EB'

77'EB'

78'EB'

100' (TYP)

SAWCUT TEMPORARY WIDENING AT 2', EXCESS PAVEMENT TO BE REMOVED

SAWCUT TEMPORARY WIDENING AT 5', EXCESS PAVEMENT TO BE REMOVED

SCENIC RIVER ENERGY COOP. (ELEC)

SCENIC RIVER ENERGY COOP. (ELEC)

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

GUY

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CONSTRUCTION STAGING - STAGE 4B	SHEET 80	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_026402-S4B.DWG
LAYOUT NAME - 02

PLOT DATE : 4/8/2025 11:14 AM PLOT BY : KUSCHEL, LEVI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

Platteville
Belmont
Darlington
Cuba City
Benton
Shullsburg
SHEET 01
SHEET 02
SHEET 03
SHEET 04
SHEET 05
SHEET 06
SHEET 07
N

SIGN LEGEND:

DETOUR M4-8 24"X12"
NORTH M3-1 24"X12"
23 M1-6 24"X24"
SOUTH M3-3 24"X12"

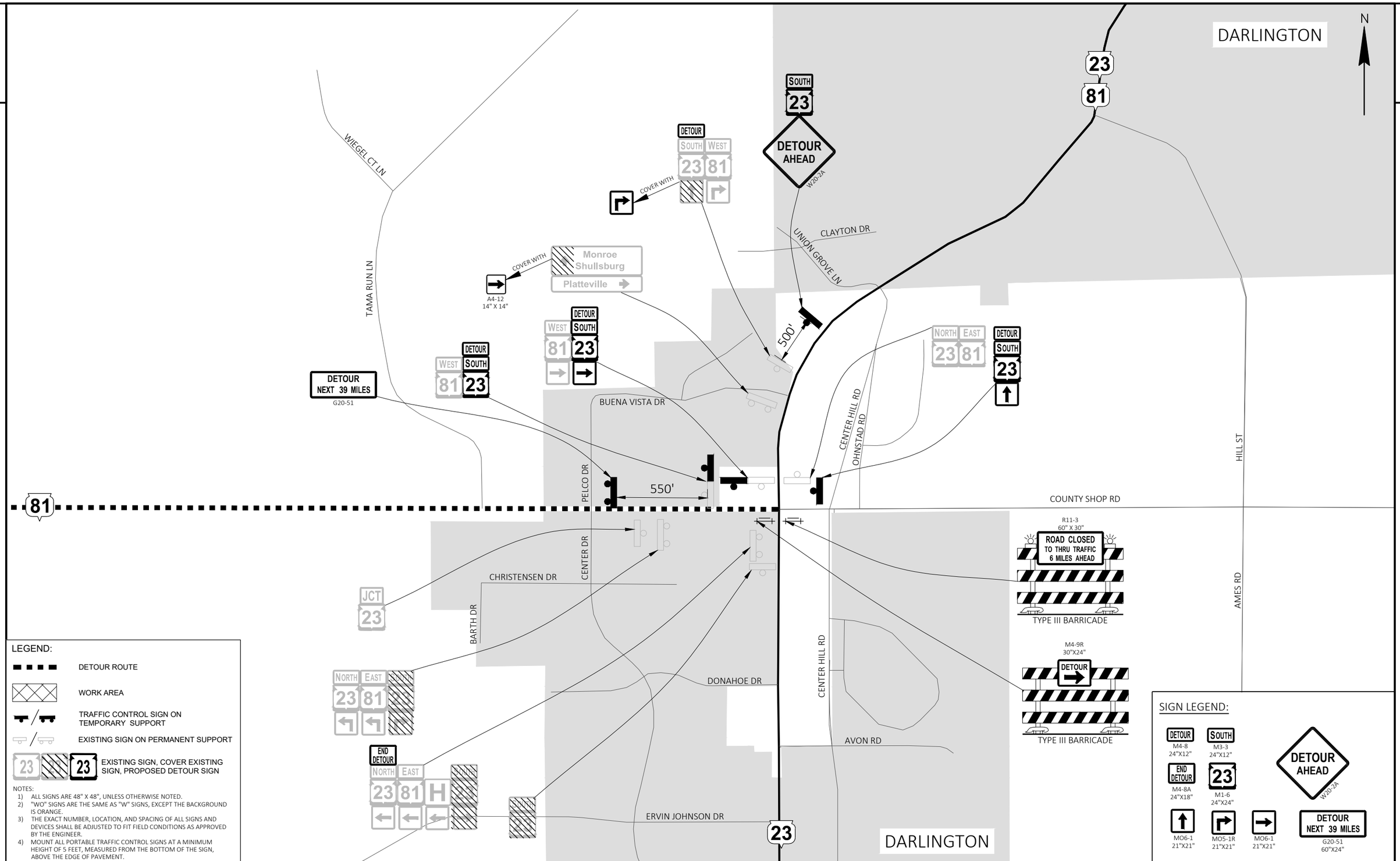
LEGEND:

- DETOUR ROUTE
- WORK AREA
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- EXISTING SIGN ON PERMANENT SUPPORT
- EXISTING SIGN, COVER EXISTING SIGN, PROPOSED DETOUR SIGN

NOTES:
1) ALL SIGNS ARE 48" X 48", UNLESS OTHERWISE NOTED.
2) "WO" SIGNS ARE THE SAME AS "W" SIGNS, EXCEPT THE BACKGROUND IS ORANGE.
3) THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
4) MOUNT ALL PORTABLE TRAFFIC CONTROL SIGNS AT A MINIMUM HEIGHT OF 5 FEET, MEASURED FROM THE BOTTOM OF THE SIGN, ABOVE THE EDGE OF PAVEMENT.

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	STH 23 DETOUR - OVERVIEW	SHEET 81 E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_027001-DT.DWG
LAYOUT NAME - OVERVIEW
PLOT DATE : 4/24/2025 9:01 AM
PLOT BY : KUSCHEL, LEVI
PLOT NAME :
PLOT SCALE : 1 IN:1.5 MI

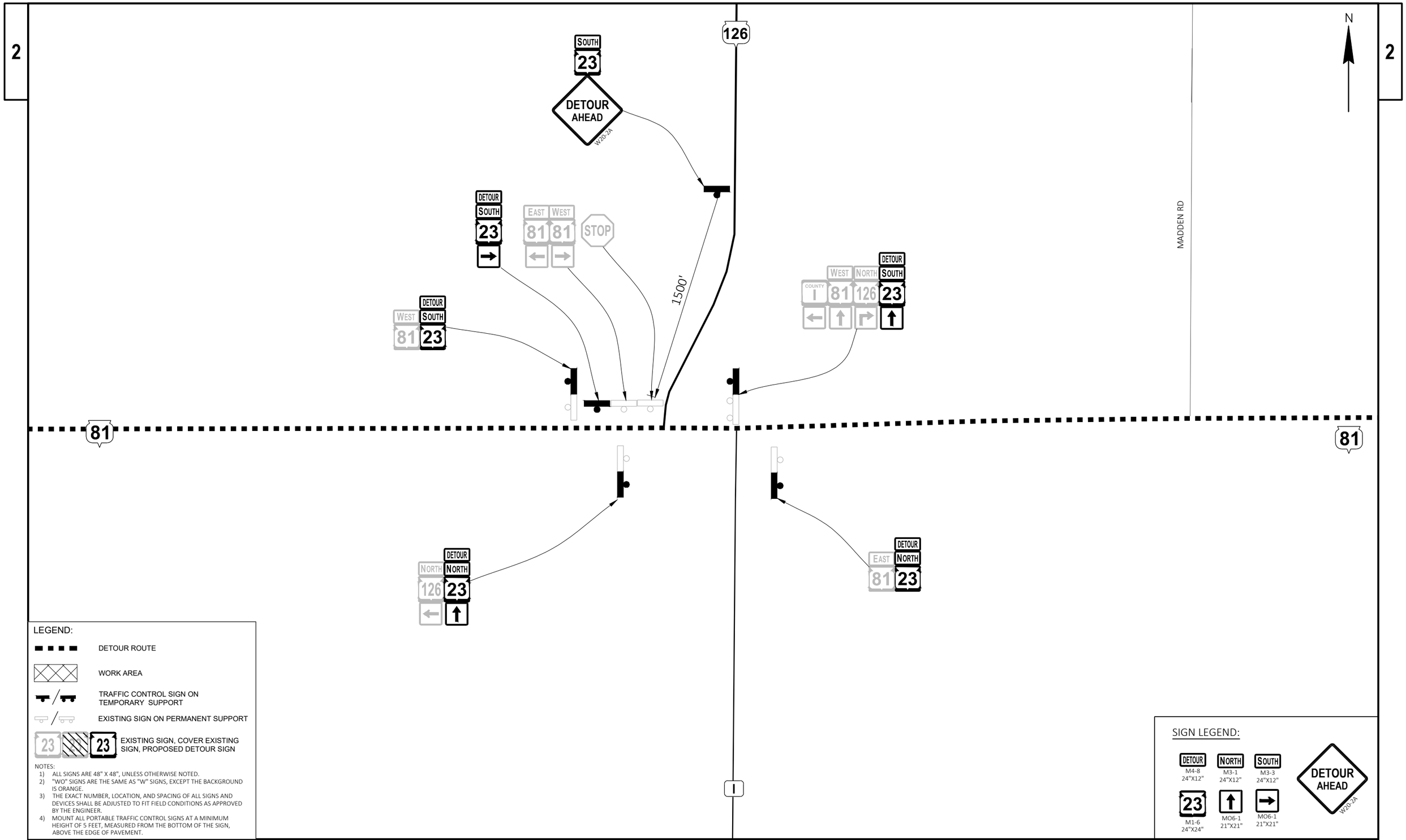


PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	STH 23 DETOUR - SHEET 01	SHEET 82	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_027001-DT.DWG
LAYOUT NAME - 01

PLOT DATE : 4/24/2025 9:01 AM PLOT BY : KUSCHEL, LEVI PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42



LEGEND:

- DETOUR ROUTE
- WORK AREA
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- EXISTING SIGN ON PERMANENT SUPPORT
- EXISTING SIGN, COVER EXISTING SIGN, PROPOSED DETOUR SIGN

NOTES:

1) ALL SIGNS ARE 48" X 48", UNLESS OTHERWISE NOTED.
2) "WO" SIGNS ARE THE SAME AS "W" SIGNS, EXCEPT THE BACKGROUND IS ORANGE.
3) THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
4) MOUNT ALL PORTABLE TRAFFIC CONTROL SIGNS AT A MINIMUM HEIGHT OF 5 FEET, MEASURED FROM THE BOTTOM OF THE SIGN, ABOVE THE EDGE OF PAVEMENT.

SIGN LEGEND:

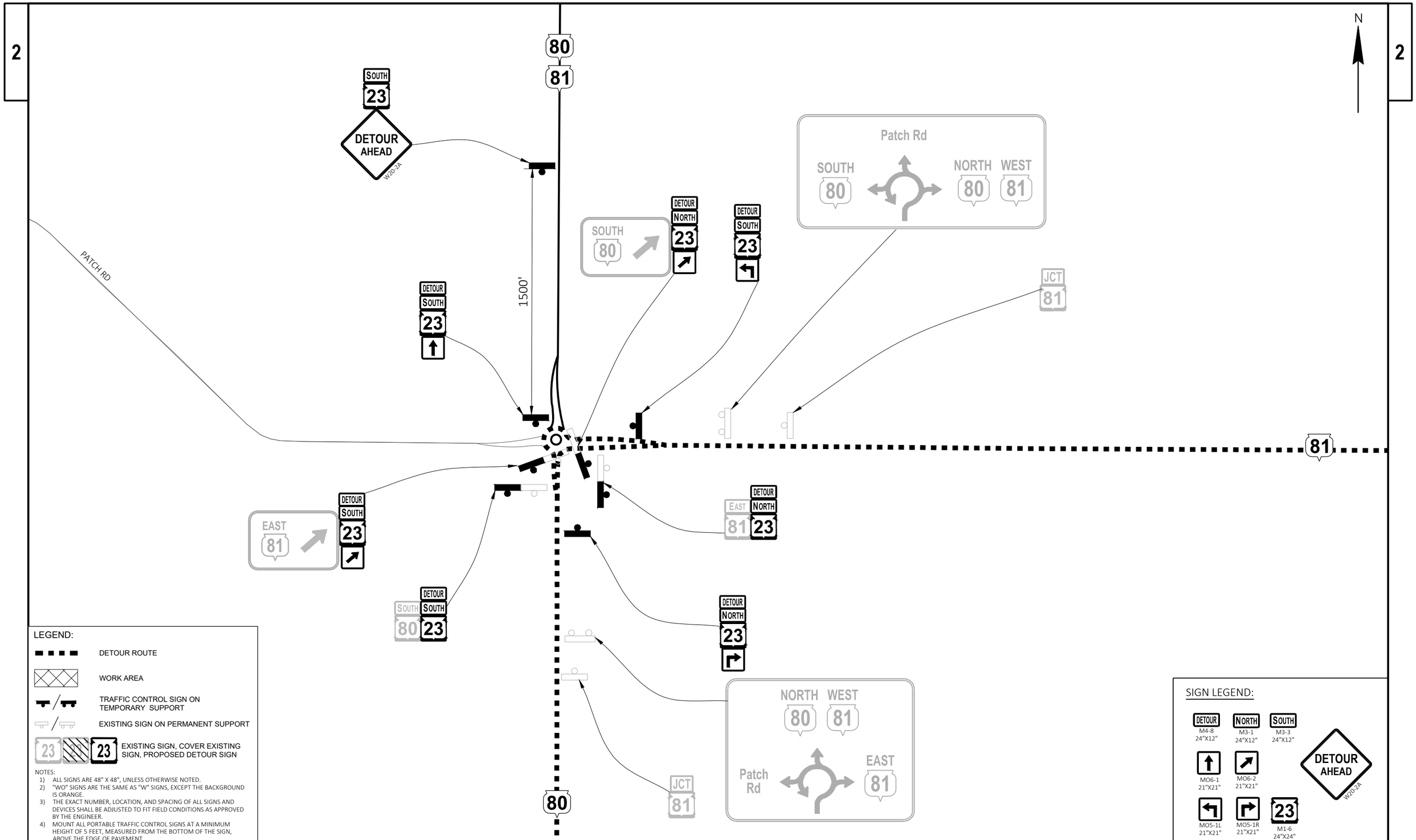
DETOUR M4-8 24"X12"	NORTH M3-1 24"X12"	SOUTH M3-3 24"X12"
23 M1-6 24"X24"	MO6-1 21"X21"	MO6-1 21"X21"

DETOUR AHEAD W20-2A

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	STH 23 DETOUR - SHEET 02	SHEET 83	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_027001-DT.DWG
LAYOUT NAME - 02

PLOT DATE : 4/24/2025 9:01 AM PLOT BY : KUSCHEL, LEVI PLOT NAME : PLOT SCALE : 1 IN:500 FT

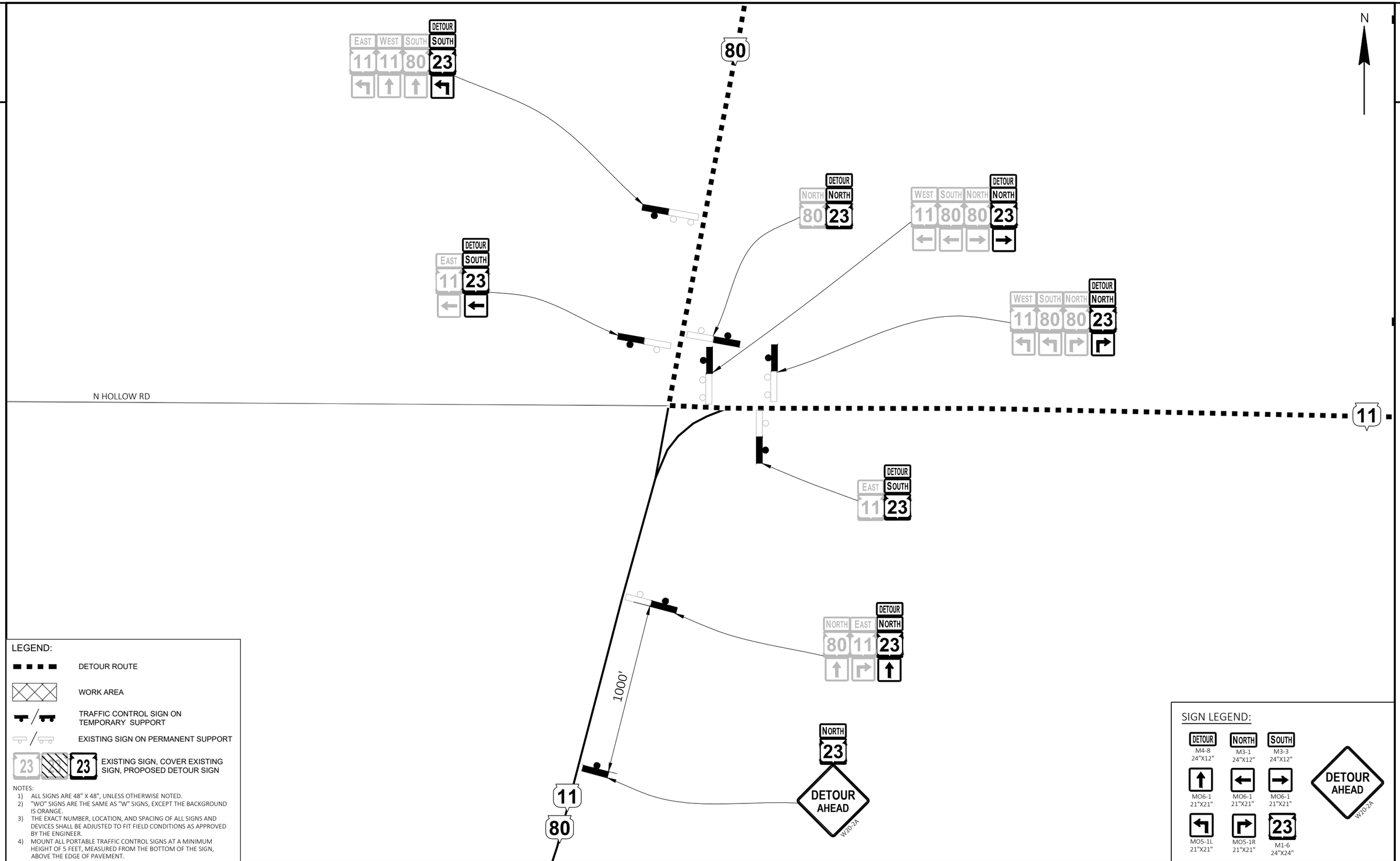


PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	STH 23 DETOUR - SHEET 03	SHEET 84	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_027001-DT.DWG
LAYOUT NAME - 03

PLOT DATE : 4/24/2025 9:01 AM PLOT BY : KUSCHEL, LEVI PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42



LEGEND:

- DETOUR ROUTE
- WORK AREA
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- EXISTING SIGN ON PERMANENT SUPPORT
- EXISTING SIGN, COVER EXISTING SIGN, PROPOSED DETOUR SIGN

NOTES:

1) ALL SIGNS ARE 48" X 48", UNLESS OTHERWISE NOTED.
2) "WO" SIGNS ARE THE SAME AS "W" SIGNS, EXCEPT THE BACKGROUND IS ORANGE.
3) THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
4) MOUNT ALL PORTABLE TRAFFIC CONTROL SIGNS AT A MINIMUM HEIGHT OF 5 FEET, MEASURED FROM THE BOTTOM OF THE SIGN, ABOVE THE EDGE OF PAVEMENT.

SIGN LEGEND:

DETOUR M4-8 24"X12"	NORTH M3-1 24"X12"	SOUTH M3-3 24"X12"
MO6-1 21"X21"	MO6-1 21"X21"	MO6-1 21"X21"
MO5-1L 21"X21"	MO5-1R 21"X21"	23 M1-6 24"X24"

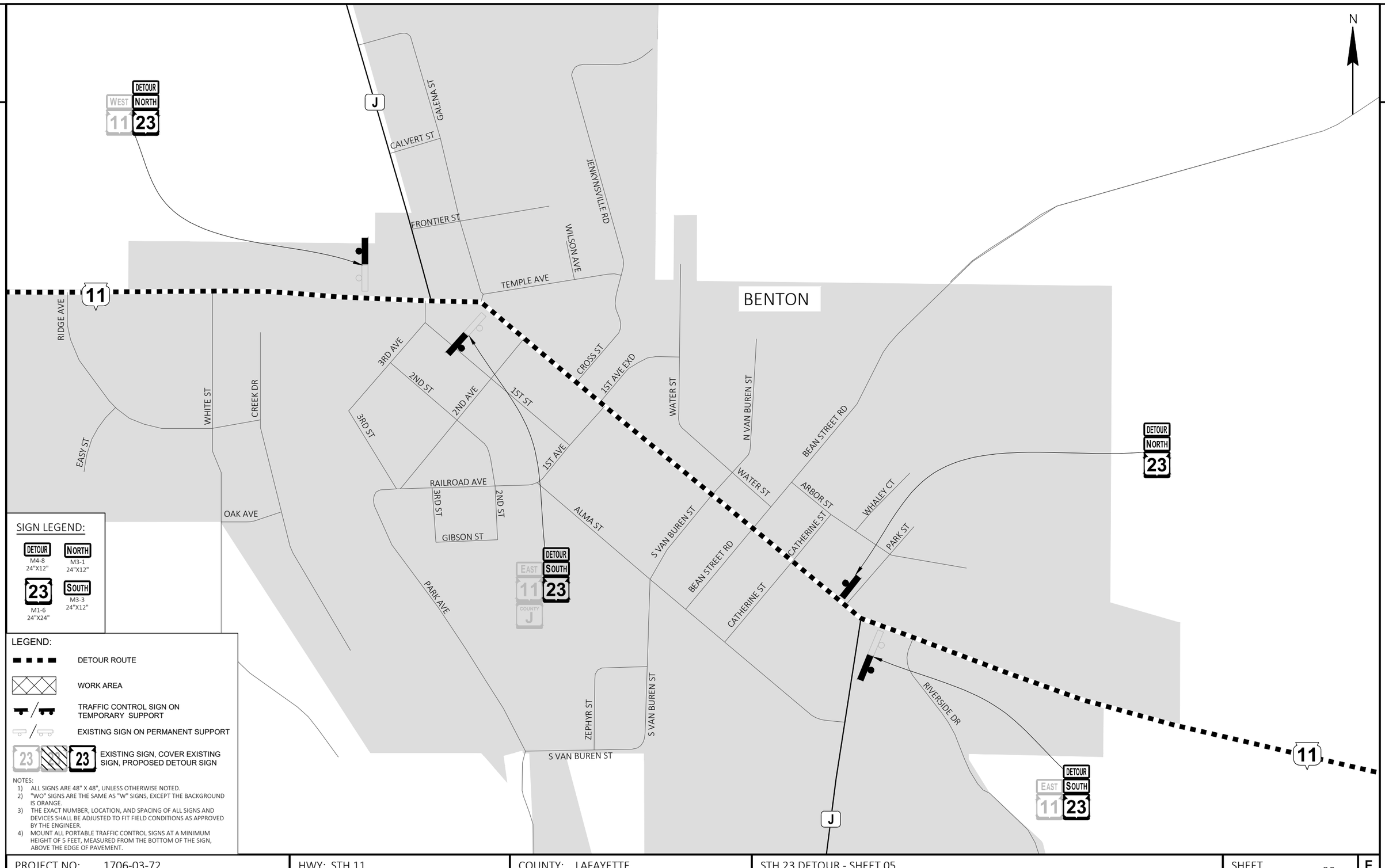
DETOUR AHEAD W20-2A

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	STH 23 DETOUR - SHEET 04	SHEET 85 E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_027001-DT.DWG
LAYOUT NAME - 04

PLOT DATE : 4/24/2025 9:01 AM PLOT BY : KUSCHEL, LEVI PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42



SIGN LEGEND:

DETOUR M4-8 24"X12"	NORTH M3-1 24"X12"
23 M1-6 24"X24"	SOUTH M3-3 24"X12"

LEGEND:

- DETOUR ROUTE
- WORK AREA
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- EXISTING SIGN ON PERMANENT SUPPORT
- 23 / 23 EXISTING SIGN, COVER EXISTING SIGN, PROPOSED DETOUR SIGN

NOTES:

1) ALL SIGNS ARE 48" X 48", UNLESS OTHERWISE NOTED.
2) "WO" SIGNS ARE THE SAME AS "W" SIGNS, EXCEPT THE BACKGROUND IS ORANGE.
3) THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
4) MOUNT ALL PORTABLE TRAFFIC CONTROL SIGNS AT A MINIMUM HEIGHT OF 5 FEET, MEASURED FROM THE BOTTOM OF THE SIGN, ABOVE THE EDGE OF PAVEMENT.

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	STH 23 DETOUR - SHEET 05	SHEET 86 E

SHULLSBURG

E FRANCIS ST
BRUCE ST
N CENTER ST
W WOOD ST
W DIAGONAL ST
E FRIENDSHIP ST
GOODNESS ST
CLINTON ST
W HARRISON ST
N MINERAL ST
W HIGH ST
W PEACE ST
E PEACE ST
PICKANAX ST
W UNION ST
W WATER ST
W TRUTH ST
E TRUTH ST
N CHARITY ST
N HAPPY ST
N VIRTUE ST
W MAIN ST
E HIGH ST
W WATER ST
E MAIN ST
S KENNEDY ST
S GALENA ST
GRATIOT ST
W CHURCH ST
MONROE ST
E CHURCH ST
W ESTEY ST
S SIDNEY ST

2
O
U
A
N

DETOUR NORTH 23 — WEST 11 COUNTY U
DETOUR SOUTH 23 — EAST 11 COUNTY U
DETOUR NORTH 23 — WEST 11
DETOUR SOUTH 23 — EAST 11
DETOUR NORTH 23 — WEST 11

SIGN LEGEND:

DETOUR M4-8 24"X12"	NORTH M3-1 24"X12"
23 M1-6 24"X24"	SOUTH M3-3 24"X12"

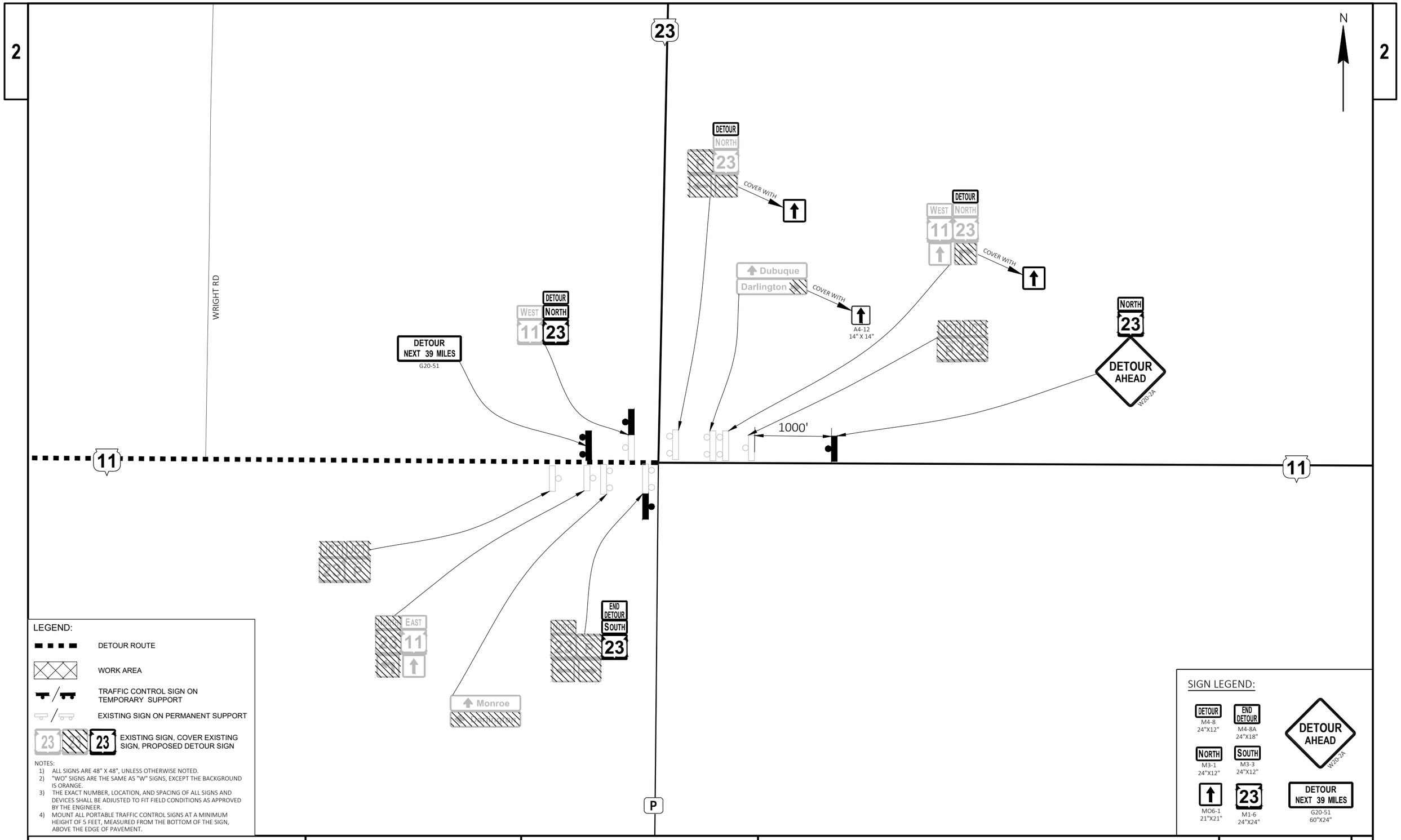
LEGEND:

- DETOUR ROUTE
- WORK AREA
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- EXISTING SIGN ON PERMANENT SUPPORT
- EXISTING SIGN, COVER EXISTING SIGN, PROPOSED DETOUR SIGN

NOTES:
1) ALL SIGNS ARE 48" X 48", UNLESS OTHERWISE NOTED.
2) "WO" SIGNS ARE THE SAME AS "W" SIGNS, EXCEPT THE BACKGROUND IS ORANGE.
3) THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
4) MOUNT ALL PORTABLE TRAFFIC CONTROL SIGNS AT A MINIMUM HEIGHT OF 5 FEET, MEASURED FROM THE BOTTOM OF THE SIGN, ABOVE THE EDGE OF PAVEMENT.

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	STH 23 DETOUR - SHEET 06	SHEET 87	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_027001-DT.DWG
LAYOUT NAME - 06
PLOT DATE : 4/24/2025 9:01 AM
PLOT BY : KUSCHEL, LEVI
PLOT NAME :
PLOT SCALE : 1 IN:500 FT



PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	STH 23 DETOUR - SHEET 07	SHEET 88	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_027001-DT.DWG
LAYOUT NAME - 07

PLOT DATE : 4/24/2025 9:01 AM PLOT BY : KUSCHEL, LEVI PLOT NAME : PLOT SCALE : 1 IN:500 FT

2

N

SLAB

POST

CURVE W-1
PI STA = 66'WB'+71.11
Y = 129846.065
X = 478600.376
DELTA = 5°04'49" LT
D = 11°27'33"
T = 22.18'
L = 44.33'
R = 500.00'
PC STA = 66'WB'+48.92
Y = 129846.236
X = 478578.195
PT STA = 66'WB'+93.26
Y = 129847.858
X = 478622.485
DB = S89°33'25"E
DA = N85°21'46"E

STA 67+51.74'WB'
Y=129852.586
X=478680.772

STH 11

61'EB' S89°33'25"E 62'EB' 63'WB' 63'EB' 64'WB' 64'EB' 65'WB' 65'EB' 66'WB' 66'EB' 67'WB' N85°21'46"E 67'EB' N86°07'50"E

S85°12'15"E

PC: PT: PC: PT: PC: PT: PC:

CURVE E-1 CURVE E-2 CURVE W-1 CURVE E-3

STA 67+49.36'EB'
Y=129820.944
X=478674.622

Bp.

13'C

A/C A/C T

CURVE E-1
PI STA = 63'EB'+15.79
Y = 129848.812
X = 478245.070
DELTA = 4°21'10" RT
D = 3°10'59"
T = 68.41'
L = 136.75'
R = 1800.00'
PC STA = 62'EB'+47.38
Y = 129849.341
X = 478176.666
PT STA = 63'EB'+84.13
Y = 129843.093
X = 478313.237
DB = S89°33'25"E
DA = S85°12'15"E

CURVE E-2
PI STA = 65'EB'+61.00
Y = 129828.306
X = 478489.490
DELTA = 8°39'54" LT
D = 6°01'52"
T = 71.97'
L = 143.67'
R = 950.00'
PC STA = 64'EB'+89.03
Y = 129834.323
X = 478417.769
PT STA = 66'EB'+32.70
Y = 129833.162
X = 478561.299
DB = S85°12'15"E
DA = N86°07'50"E

CURVE E-3
PI STA = 67'EB'+19.28
Y = 129839.005
X = 478647.678
DELTA = 37°42'13" RT
D = 60°18'41"
T = 32.44'
L = 62.52'
R = 95.00'
PC STA = 66'EB'+86.84
Y = 129836.816
X = 478615.316
PT STA = 67'EB'+49.36
Y = 129820.944
X = 478674.622
DB = N86°07'50"E
DA = S56°09'56"E

PCC 26'SB'

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	ALIGNMENT DIAGRAM - STH 11	SHEET 89	E

2

2

N

CURVE W-2
PI STA = 69'WB'+43.25
Y = 129817.299
X = 478862.645
DELTA = 37°28'43" LT
D = 60°18'41"
T = 32.23'
L = 62.14'
R = 95.00'
PC STA = 69'WB'+11.02
Y = 129832.001
X = 478833.966
PT STA = 69'WB'+73.16
Y = 129823.082
X = 478894.351
DB = S62°51'31"E
DA = N79°39'46"E

CURVE W-3
PI STA = 71'WB'+20.50
Y = 129849.521
X = 479039.303
DELTA = 11°42'04" RT
D = 6°01'52"
T = 97.34'
L = 194.01'
R = 950.00'
PC STA = 70'WB'+23.16
Y = 129832.054
X = 478943.539
PT STA = 72'WB'+17.17
Y = 129847.205
X = 479136.619
DB = N79°39'46"E
DA = S88°38'10"E

CURVE W-4
PI STA = 73'WB'+38.22
Y = 129844.323
X = 479257.640
DELTA = 1°06'37" LT
D = 3°10'59"
T = 17.44'
L = 34.88'
R = 1800.00'
PC STA = 73'WB'+20.78
Y = 129844.739
X = 479240.202
PT STA = 73'WB'+55.67
Y = 129844.246
X = 479275.082
DB = S88°38'10"E
DA = S89°44'48"E

CURVE E-4
PI STA = 69'EB'+59.90
Y = 129807.908
X = 478881.415
DELTA = 2°38'42" RT
D = 11°27'33"
T = 11.54'
L = 23.08'
R = 500.00'
PC STA = 69'EB'+48.35
Y = 129805.097
X = 478870.219
PT STA = 69'EB'+71.44
Y = 129810.199
X = 478892.729
DB = N75°54'22"E
DA = N78°33'05"E

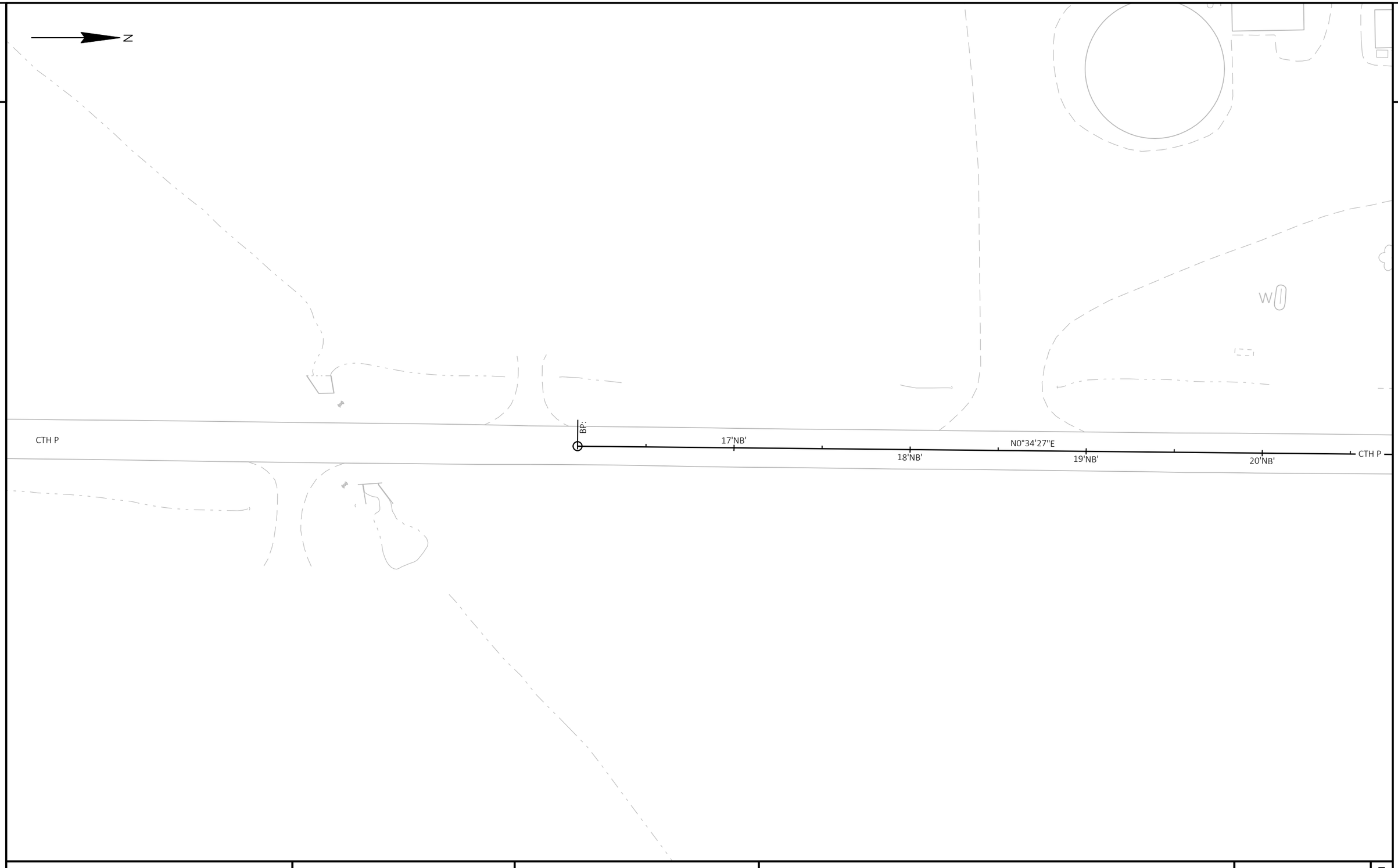
CURVE E-5
PI STA = 70'EB'+28.14
Y = 129821.454
X = 478948.301
DELTA = 6°29'26" RT
D = 5°43'46"
T = 56.70'
L = 113.28'
R = 1000.00'
PC STA = 69'EB'+71.44
Y = 129810.199
X = 478892.729
PT STA = 70'EB'+84.72
Y = 129826.354
X = 479004.789
DB = N78°33'05"E
DA = N85°02'30"E

CURVE E-6
PI STA = 72'EB'+94.85
Y = 129844.516
X = 479214.133
DELTA = 5°12'42" RT
D = 2°51'53"
T = 91.02'
L = 181.92'
R = 2000.00'
PC STA = 72'EB'+03.82
Y = 129836.649
X = 479123.451
PT STA = 73'EB'+85.74
Y = 129844.113
X = 479305.156
DB = N85°02'30"E
DA = S89°44'48"E

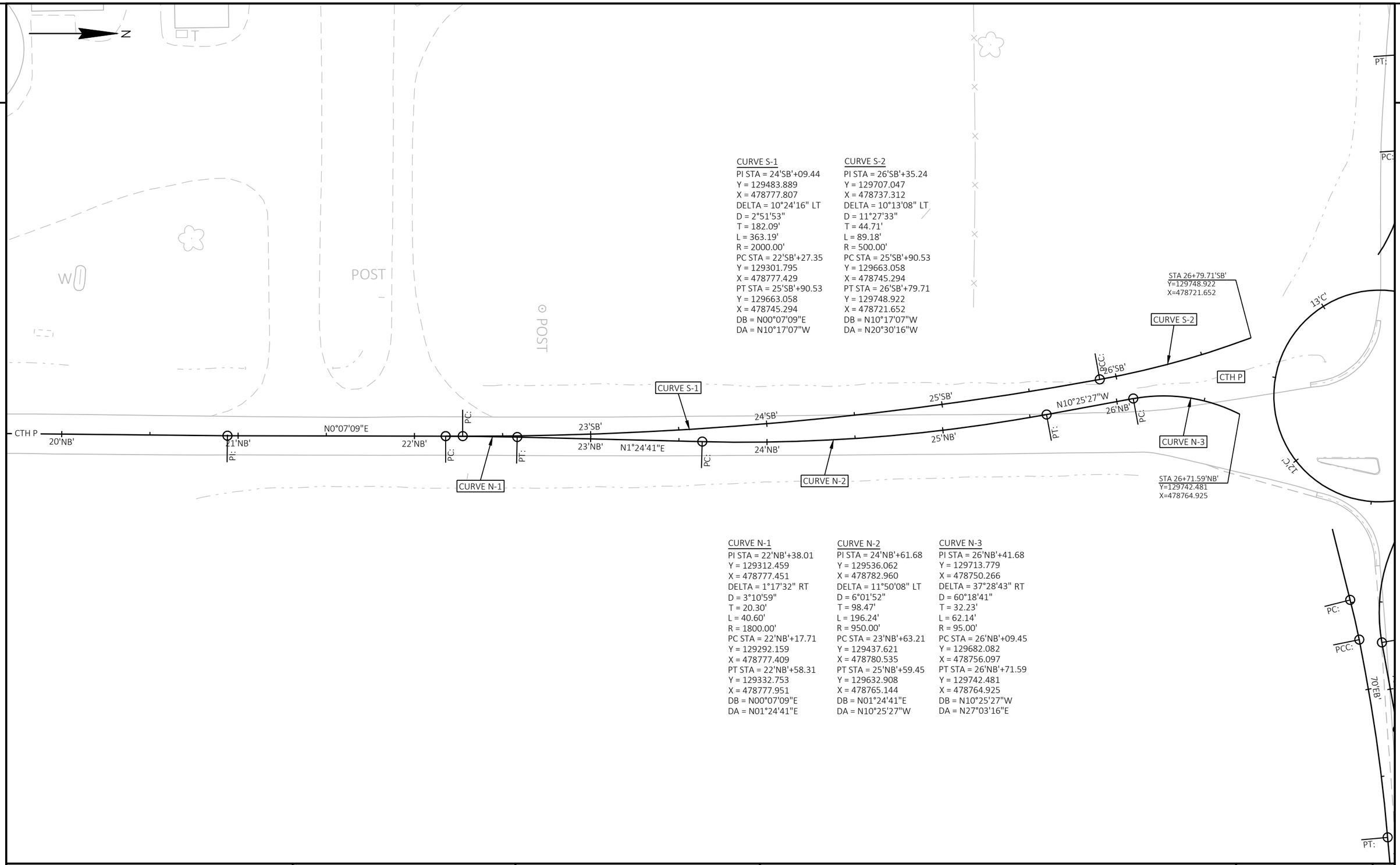
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	ALIGNMENT DIAGRAM - STH 11	SHEET 90 E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_027201-AD.DWG
LAYOUT NAME - STH 11-2
PLOT DATE : 1/16/2025 2:12 PM PLOT BY : KUSCHEL, LEVI PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	ALIGNMENT DIAGRAM - CTH P	SHEET 91	E



CURVE S-1
PI STA = 24'SB'+09.44
Y = 129483.889
X = 478777.807
DELTA = 10°24'16" LT
D = 2°51'53"
T = 182.09'
L = 363.19'
R = 2000.00'
PC STA = 22'SB'+27.35
Y = 129301.795
X = 478777.429
PT STA = 25'SB'+90.53
Y = 129663.058
X = 478745.294
DB = N00°07'09"E
DA = N10°17'07"W

CURVE S-2
PI STA = 26'SB'+35.24
Y = 129707.047
X = 478737.312
DELTA = 10°13'08" LT
D = 11°27'33"
T = 44.71'
L = 89.18'
R = 500.00'
PC STA = 25'SB'+90.53
Y = 129663.058
X = 478745.294
PT STA = 26'SB'+79.71
Y = 129748.922
X = 478721.652
DB = N10°17'07"W
DA = N20°30'16"W

CURVE N-1
PI STA = 22'NB'+38.01
Y = 129312.459
X = 478777.451
DELTA = 1°17'32" RT
D = 3°10'59"
T = 20.30'
L = 40.60'
R = 1800.00'
PC STA = 22'NB'+17.71
Y = 129292.159
X = 478777.409
PT STA = 22'NB'+58.31
Y = 129332.753
X = 478777.951
DB = N00°07'09"E
DA = N01°24'41"E

CURVE N-2
PI STA = 24'NB'+61.68
Y = 129536.062
X = 478782.960
DELTA = 11°50'08" LT
D = 6°01'52"
T = 98.47'
L = 196.24'
R = 950.00'
PC STA = 23'NB'+63.21
Y = 129437.621
X = 478780.535
PT STA = 25'NB'+59.45
Y = 129632.908
X = 478765.144
DB = N01°24'41"E
DA = N10°25'27"W

CURVE N-3
PI STA = 26'NB'+41.68
Y = 129713.779
X = 478750.266
DELTA = 37°28'43" RT
D = 60°18'41"
T = 32.23'
L = 62.14'
R = 95.00'
PC STA = 26'NB'+09.45
Y = 129682.082
X = 478756.097
PT STA = 26'NB'+71.59
Y = 129742.481
X = 478764.925
DB = N10°25'27"W
DA = N27°03'16"E

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	ALIGNMENT DIAGRAM - CTH P	SHEET 92	E

2

N

CURVE S-3
PI STA = 28'SB'+57.58
Y = 129926.847
X = 478764.782
DELTA = 34°20'49" LT
D = 60°18'41"
T = 29.36'
L = 56.95'
R = 95.00'
PC STA = 28'SB'+28.22
Y = 129901.662
X = 478749.692
PT STA = 28'SB'+85.17
Y = 129956.154
X = 478763.031
DB = N30°55'40"E
DA = N03°25'09"W

CURVE S-4
PI STA = 30'SB'+18.33
Y = 130089.071
X = 478755.089
DELTA = 9°34'21" RT
D = 6°01'52"
T = 79.54'
L = 158.72'
R = 950.00'
PC STA = 29'SB'+38.78
Y = 130009.669
X = 478759.833
PT STA = 30'SB'+97.50
Y = 130168.156
X = 478763.615
DB = N03°25'09"W
DA = N06°09'11"E

CURVE S-5
PI STA = 32'SB'+75.42
Y = 130345.055
X = 478782.687
DELTA = 4°32'19" LT
D = 3°10'59"
T = 71.33'
L = 142.59'
R = 1800.00'
PC STA = 32'SB'+04.09
Y = 130274.135
X = 478775.041
PT STA = 33'SB'+46.68
Y = 130416.358
X = 478784.696
DB = N06°09'11"E
DA = N01°36'52"E

CURVE N-4
PI STA = 29'NB'+19.88
Y = 129989.674
X = 478772.670
DELTA = 6°01'15" RT
D = 11°27'33"
T = 26.29'
L = 52.54'
R = 500.00'
PC STA = 28'NB'+93.58
Y = 129963.457
X = 478774.690
PT STA = 29'NB'+46.12
Y = 130015.958
X = 478773.411
DB = N04°24'22"W
DA = N01°36'52"E

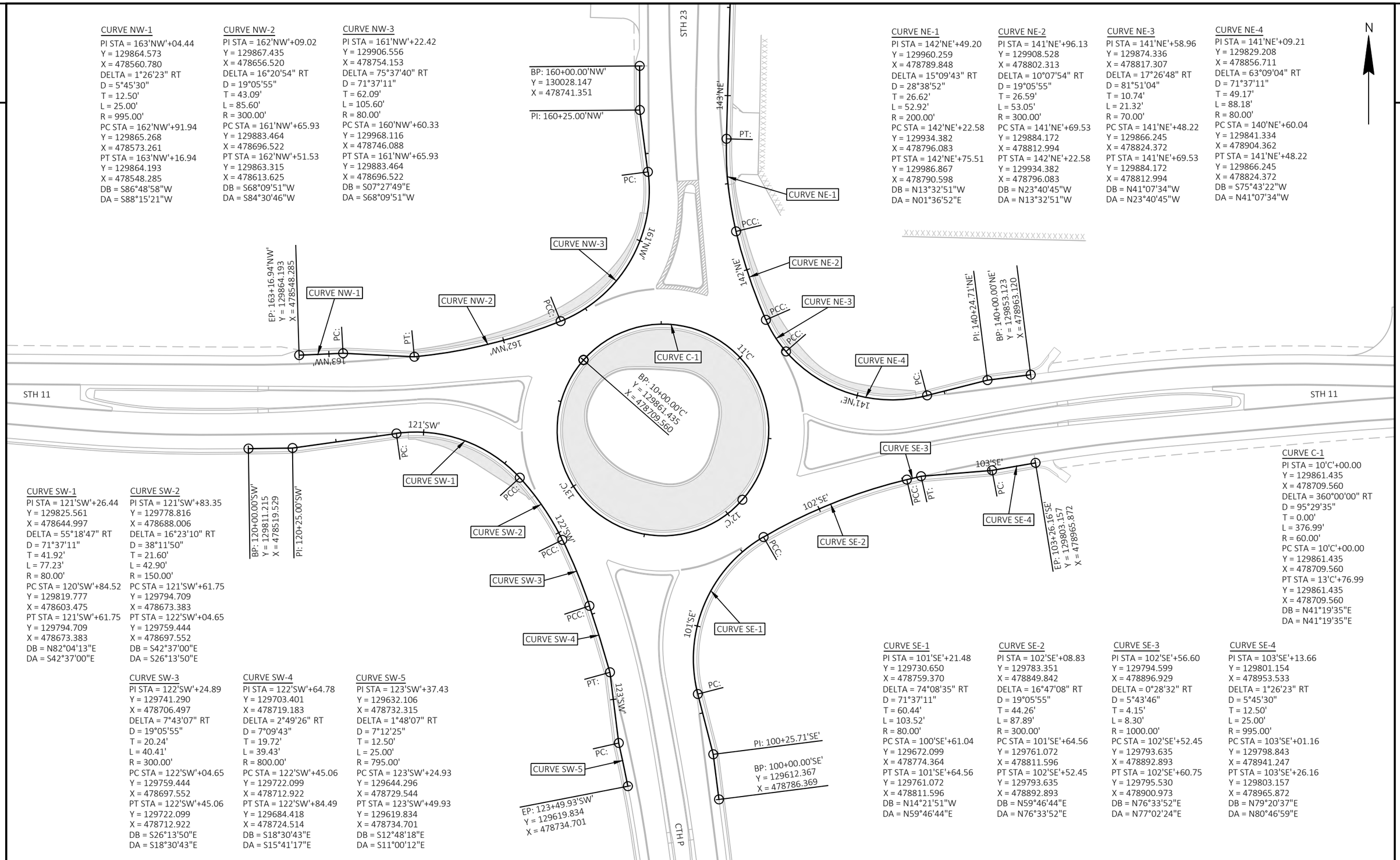
STA 28+28.22'SB'
Y=129901.662
X=478749.692

STA 28+27.43'NB'
Y=129897.550
X=478780.387

CURVE S-3
CURVE S-4
CURVE S-5
CURVE N-4
PC:
PT:
BP:
29'SB'
30'SB'
31'SB'
32'SB'
33'SB'
29'NB'
30'NB'
31'NB'
32'NB'
33'NB'
34'NB'
35'NB'
N3°25'09"W
N6°09'11"E
N1°36'52"E
N4°56'25"W
STH 23
W
WELL
ANT
A/C
MH
POST
WALLS
SEPC
SEPC
SLAB
67'WB'
67'EB'

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	ALIGNMENT DIAGRAM - STH 23	SHEET 93	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_027201-AD.DWG
LAYOUT NAME - STH 23-1
PLOT DATE : 1/16/2025 2:12 PM
PLOT BY : KUSCHEL, LEVI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42



CURVE NW-1
PI STA = 163'NW'+04.44
Y = 129864.573
X = 478560.780
DELTA = 1°26'23" RT
D = 5°45'30"
T = 12.50'
L = 25.00'
R = 995.00'
PC STA = 162'NW'+91.94
Y = 129865.268
X = 478573.261
PT STA = 163'NW'+16.94
Y = 129864.193
X = 478548.285
DB = S86°48'58"W
DA = S88°15'21"W

CURVE NW-2
PI STA = 162'NW'+09.02
Y = 129867.435
X = 478656.520
DELTA = 16°20'54" RT
D = 19°05'55"
T = 43.09'
L = 85.60'
R = 300.00'
PC STA = 161'NW'+65.93
Y = 129883.464
X = 478696.522
PT STA = 162'NW'+51.53
Y = 129863.315
X = 478613.625
DB = S68°09'51"W
DA = S84°30'46"W

CURVE NW-3
PI STA = 161'NW'+22.42
Y = 129906.556
X = 478754.153
DELTA = 75°37'40" RT
D = 71°37'11"
T = 62.09'
L = 105.60'
R = 80.00'
PC STA = 160'NW'+60.33
Y = 129968.116
X = 478746.088
PT STA = 161'NW'+65.93
Y = 129883.464
X = 478696.522
DB = S07°27'49"E
DA = S68°09'51"W

CURVE NE-1
PI STA = 142'NE'+49.20
Y = 129960.259
X = 478789.848
DELTA = 15°09'43" RT
D = 28°38'52"
T = 26.62'
L = 52.92'
R = 200.00'
PC STA = 142'NE'+22.58
Y = 129934.382
X = 478796.083
PT STA = 142'NE'+75.51
Y = 129986.867
X = 478790.598
DB = N13°32'51"W
DA = N01°36'52"E

CURVE NE-2
PI STA = 141'NE'+96.13
Y = 129908.528
X = 478802.313
DELTA = 10°07'54" RT
D = 19°05'55"
T = 26.59'
L = 53.05'
R = 300.00'
PC STA = 141'NE'+69.53
Y = 129884.172
X = 478812.994
PT STA = 142'NE'+22.58
Y = 129934.382
X = 478796.083
DB = N23°40'45"W
DA = N13°32'51"W

CURVE NE-3
PI STA = 141'NE'+58.96
Y = 129874.336
X = 478817.307
DELTA = 17°26'48" RT
D = 81°51'04"
T = 10.74'
L = 21.32'
R = 70.00'
PC STA = 141'NE'+48.22
Y = 129866.245
X = 478824.372
PT STA = 141'NE'+69.53
Y = 129884.172
X = 478812.994
DB = N41°07'34"W
DA = N23°40'45"W

CURVE NE-4
PI STA = 141'NE'+09.21
Y = 129829.208
X = 478856.711
DELTA = 63°09'04" RT
D = 71°37'11"
T = 49.17'
L = 88.18'
R = 80.00'
PC STA = 140'NE'+60.04
Y = 129841.334
X = 478904.362
PT STA = 141'NE'+48.22
Y = 129866.245
X = 478824.372
DB = S75°43'22"W
DA = N41°07'34"W

CURVE SW-1
PI STA = 121'SW'+26.44
Y = 129825.561
X = 478644.997
DELTA = 55°18'47" RT
D = 71°37'11"
T = 41.92'
L = 77.23'
R = 80.00'
PC STA = 120'SW'+84.52
Y = 129819.777
X = 478603.475
PT STA = 121'SW'+61.75
Y = 129794.709
X = 478673.383
DB = N82°04'13"E
DA = S42°37'00"E

CURVE SW-2
PI STA = 121'SW'+83.35
Y = 129778.816
X = 478688.006
DELTA = 16°23'10" RT
D = 38°11'50"
T = 21.60'
L = 42.90'
R = 150.00'
PC STA = 121'SW'+61.75
Y = 129794.709
X = 478673.383
PT STA = 122'SW'+04.65
Y = 129759.444
X = 478697.552
DB = S42°37'00"E
DA = S26°13'50"E

CURVE SW-3
PI STA = 122'SW'+24.89
Y = 129741.290
X = 478706.497
DELTA = 7°43'07" RT
D = 19°05'55"
T = 20.24'
L = 40.41'
R = 300.00'
PC STA = 122'SW'+04.65
Y = 129759.444
X = 478697.552
PT STA = 122'SW'+45.06
Y = 129722.099
X = 478712.922
DB = S26°13'50"E
DA = S18°30'43"E

CURVE SW-4
PI STA = 122'SW'+64.78
Y = 129703.401
X = 478719.183
DELTA = 2°49'26" RT
D = 7°09'43"
T = 19.72'
L = 39.43'
R = 800.00'
PC STA = 122'SW'+45.06
Y = 129722.099
X = 478712.922
PT STA = 122'SW'+84.49
Y = 129684.418
X = 478724.514
DB = S18°30'43"E
DA = S15°41'17"E

CURVE SW-5
PI STA = 123'SW'+37.43
Y = 129632.106
X = 478732.315
DELTA = 1°48'07" RT
D = 7°12'25"
T = 12.50'
L = 25.00'
R = 795.00'
PC STA = 123'SW'+24.93
Y = 129644.296
X = 478729.544
PT STA = 123'SW'+49.93
Y = 129619.834
X = 478734.701
DB = S12°48'18"E
DA = S11°00'12"E

CURVE SE-1
PI STA = 101'SE'+21.48
Y = 129730.650
X = 478759.370
DELTA = 74°08'35" RT
D = 71°37'11"
T = 60.44'
L = 103.52'
R = 80.00'
PC STA = 100'SE'+61.04
Y = 129672.099
X = 478774.364
PT STA = 101'SE'+64.56
Y = 129761.072
X = 478811.596
DB = N14°21'51"W
DA = N59°46'44"E

CURVE SE-2
PI STA = 102'SE'+08.83
Y = 129783.351
X = 478849.842
DELTA = 16°47'08" RT
D = 19°05'55"
T = 44.26'
L = 87.89'
R = 300.00'
PC STA = 101'SE'+64.56
Y = 129761.072
X = 478811.596
PT STA = 102'SE'+52.45
Y = 129793.635
X = 478892.893
DB = N59°46'44"E
DA = N76°33'52"E

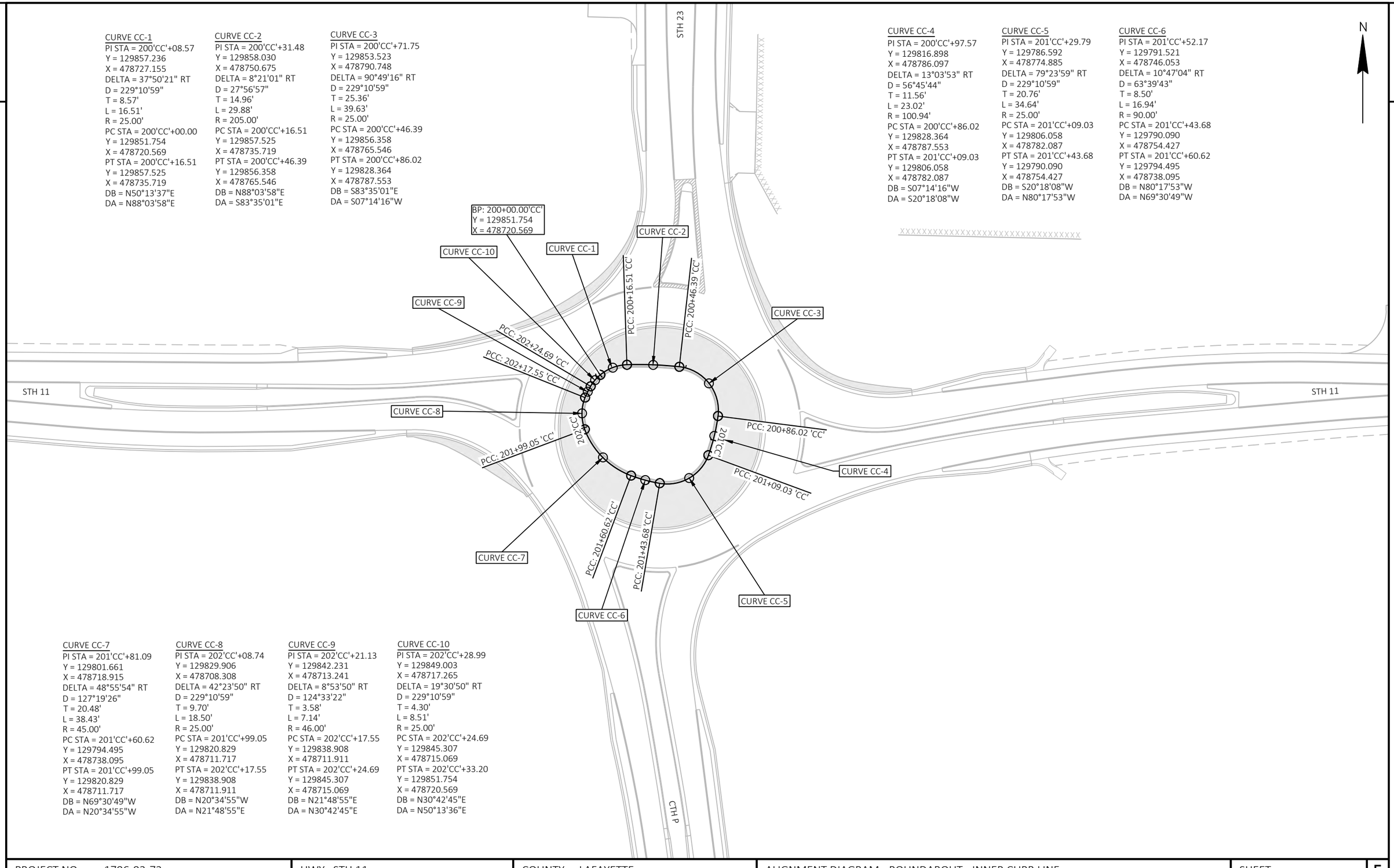
CURVE SE-3
PI STA = 102'SE'+56.60
Y = 129794.599
X = 478896.929
DELTA = 0°28'32" RT
D = 5°43'46"
T = 4.15'
L = 8.30'
R = 1000.00'
PC STA = 102'SE'+52.45
Y = 129793.635
X = 478892.893
PT STA = 102'SE'+60.75
Y = 129795.530
X = 478900.973
DB = N76°33'52"E
DA = N77°02'24"E

CURVE SE-4
PI STA = 103'SE'+13.66
Y = 129801.154
X = 478953.533
DELTA = 1°26'23" RT
D = 5°45'30"
T = 12.50'
L = 25.00'
R = 995.00'
PC STA = 103'SE'+01.16
Y = 129798.843
X = 478941.247
PT STA = 103'SE'+26.16
Y = 129803.157
X = 478965.872
DB = N79°20'37"E
DA = N80°46'59"E

CURVE C-1
PI STA = 10'C'+00.00
Y = 129861.435
X = 478709.560
DELTA = 360°00'00" RT
D = 95°29'35"
T = 0.00'
L = 376.99'
R = 60.00'
PC STA = 10'C'+00.00
Y = 129861.435
X = 478709.560
PT STA = 13'C'+76.99
Y = 129861.435
X = 478709.560
DB = N41°19'35"E
DA = N41°19'35"E

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	ALIGNMENT DIAGRAM - ROUNDABOUT	SHEET 94	E

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CURVE CC-1
PI STA = 200'CC'+08.57
Y = 129857.236
X = 478727.155
DELTA = 37°50'21" RT
D = 229°10'59"
T = 8.57'
L = 16.51'
R = 25.00'
PC STA = 200'CC'+00.00
Y = 129851.754
X = 478720.569
PT STA = 200'CC'+16.51
Y = 129857.525
X = 478735.719
DB = N50°13'37"E
DA = N88°03'58"E

CURVE CC-2
PI STA = 200'CC'+31.48
Y = 129858.030
X = 478750.675
DELTA = 8°21'01" RT
D = 27°56'57"
T = 14.96'
L = 29.88'
R = 205.00'
PC STA = 200'CC'+16.51
Y = 129857.525
X = 478735.719
PT STA = 200'CC'+46.39
Y = 129856.358
X = 478765.546
DB = N88°03'58"E
DA = S83°35'01"E

CURVE CC-3
PI STA = 200'CC'+71.75
Y = 129853.523
X = 478790.748
DELTA = 90°49'16" RT
D = 229°10'59"
T = 25.36'
L = 39.63'
R = 25.00'
PC STA = 200'CC'+46.39
Y = 129856.358
X = 478765.546
PT STA = 200'CC'+86.02
Y = 129828.364
X = 478787.553
DB = S83°35'01"E
DA = S07°14'16"W

CURVE CC-4
PI STA = 200'CC'+97.57
Y = 129816.898
X = 478786.097
DELTA = 13°03'53" RT
D = 56°45'44"
T = 11.56'
L = 23.02'
R = 100.94'
PC STA = 200'CC'+86.02
Y = 129828.364
X = 478787.553
PT STA = 201'CC'+09.03
Y = 129806.058
X = 478782.087
DB = S07°14'16"W
DA = S20°18'08"W

CURVE CC-5
PI STA = 201'CC'+29.79
Y = 129786.592
X = 478774.885
DELTA = 79°23'59" RT
D = 229°10'59"
T = 20.76'
L = 34.64'
R = 25.00'
PC STA = 201'CC'+09.03
Y = 129806.058
X = 478782.087
PT STA = 201'CC'+43.68
Y = 129790.090
X = 478754.427
DB = S20°18'08"W
DA = N80°17'53"W

CURVE CC-6
PI STA = 201'CC'+52.17
Y = 129791.521
X = 478746.053
DELTA = 10°47'04" RT
D = 63°39'43"
T = 8.50'
L = 16.94'
R = 90.00'
PC STA = 201'CC'+43.68
Y = 129790.090
X = 478754.427
PT STA = 201'CC'+60.62
Y = 129794.495
X = 478738.095
DB = N80°17'53"W
DA = N69°30'49"W

CURVE CC-7
PI STA = 201'CC'+81.09
Y = 129801.661
X = 478718.915
DELTA = 48°55'54" RT
D = 127°19'26"
T = 20.48'
L = 38.43'
R = 45.00'
PC STA = 201'CC'+60.62
Y = 129794.495
X = 478738.095
PT STA = 201'CC'+99.05
Y = 129820.829
X = 478711.717
DB = N69°30'49"W
DA = N20°34'55"W

CURVE CC-8
PI STA = 202'CC'+08.74
Y = 129829.906
X = 478708.308
DELTA = 42°23'50" RT
D = 229°10'59"
T = 9.70'
L = 18.50'
R = 25.00'
PC STA = 201'CC'+99.05
Y = 129820.829
X = 478711.717
PT STA = 202'CC'+17.55
Y = 129838.908
X = 478711.911
DB = N20°34'55"W
DA = N21°48'55"E

CURVE CC-9
PI STA = 202'CC'+21.13
Y = 129842.231
X = 478713.241
DELTA = 8°53'50" RT
D = 124°33'22"
T = 3.58'
L = 7.14'
R = 46.00'
PC STA = 202'CC'+17.55
Y = 129838.908
X = 478711.911
PT STA = 202'CC'+24.69
Y = 129845.307
X = 478715.069
DB = N21°48'55"E
DA = N30°42'45"E

CURVE CC-10
PI STA = 202'CC'+28.99
Y = 129849.003
X = 478717.265
DELTA = 19°30'50" RT
D = 229°10'59"
T = 4.30'
L = 8.51'
R = 25.00'
PC STA = 202'CC'+24.69
Y = 129845.307
X = 478715.069
PT STA = 202'CC'+33.20
Y = 129851.754
X = 478720.569
DB = N30°42'45"E
DA = N50°13'36"E

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	ALIGNMENT DIAGRAM - ROUNDABOUT - INNER CURB LINE	SHEET 95	E

Estimate Of Quantities

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Line	Item	Item Description	Unit	Total	Qty
0002	203.0100	Removing Small Pipe Culverts	EACH	9.000	9.000
0004	203.0220	Removing Structure (structure) 01. 72" CPRC	EACH	1.000	1.000
0006	203.0220	Removing Structure (structure) 02. C-33-0386	EACH	1.000	1.000
0008	203.0220	Removing Structure (structure) 03. C-33-0387	EACH	1.000	1.000
0010	204.0100	Removing Concrete Pavement	SY	1,240.000	1,240.000
0012	204.0110	Removing Asphaltic Surface	SY	44.000	44.000
0014	204.0130	Removing Curb	LF	168.000	168.000
0016	204.0150	Removing Curb & Gutter	LF	240.000	240.000
0018	204.0165	Removing Guardrail	LF	282.000	282.000
0020	204.0170	Removing Fence	LF	26.000	26.000
0022	204.0220	Removing Inlets	EACH	1.000	1.000
0024	204.0245	Removing Storm Sewer (size) 01. 18-Inch	LF	13.000	13.000
0026	204.9060.S	Removing (item description) 01. Wood Retaining Wall	EACH	1.000	1.000
0028	204.9060.S	Removing (item description) 02. Rock Retaining Wall	EACH	1.000	1.000
0030	204.9060.S	Removing (item description) 03. Masonry Retaining Wall	EACH	1.000	1.000
0032	205.0100	Excavation Common	CY	28,640.000	28,640.000
0034	205.0506.S	Excavation, Hauling, and Disposal of Creosote Contaminated Soil	TON	22.000	22.000
0036	208.1500.S	Temporary Lane Shift During Culvert Work	EACH	6.000	6.000
0038	213.0100	Finishing Roadway (project) 01. 1706-03-72	EACH	1.000	1.000
0040	305.0110	Base Aggregate Dense 3/4-Inch	TON	443.000	443.000
0042	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	9,160.000	9,160.000
0044	310.0110	Base Aggregate Open-Graded	TON	151.000	151.000
0046	312.0110	Select Crushed Material	TON	12,927.000	12,927.000
0048	405.0100	Coloring Concrete WisDOT Red	CY	276.000	276.000
0050	415.0085	Concrete Pavement 8 1/2-Inch	SY	9,460.000	9,460.000
0052	415.2010	Concrete Truck Apron 12-inch	SY	830.000	830.000
0054	415.4100	Concrete Pavement Joint Filling	SY	12,020.000	12,020.000
0056	415.6000.S	Rout and Seal	LF	1,650.000	1,650.000
0058	455.0605	Tack Coat	GAL	66.000	66.000
0060	460.2000	Incentive Density HMA Pavement	DOL	950.000	950.000
0062	460.6223	HMA Pavement 3 MT 58-28 S	TON	155.000	155.000
0064	460.6224	HMA Pavement 4 MT 58-28 S	TON	1,459.000	1,459.000
0066	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	79.000	79.000
0068	465.0315	Asphaltic Flumes	SY	42.000	42.000
0070	520.1018	Apron Endwalls for Culvert Pipe 18-Inch	EACH	10.000	10.000
0072	520.1024	Apron Endwalls for Culvert Pipe 24-Inch	EACH	4.000	4.000
0074	520.2018	Culvert Pipe Temporary 18-Inch	LF	112.000	112.000
0076	520.2024	Culvert Pipe Temporary 24-Inch	LF	9.000	9.000
0078	520.3318	Culvert Pipe Class III-A 18-Inch	LF	198.000	198.000
0080	520.3324	Culvert Pipe Class III-A 24-Inch	LF	84.000	84.000
0082	522.0472	Culvert Pipe Reinforced Concrete Class IV 72-Inch	LF	228.000	228.000
0084	522.1072	Apron Endwalls for Culvert Pipe Reinforced Concrete 72-Inch	EACH	2.000	2.000
0086	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	227.000	227.000
0088	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	1,050.000	1,050.000
0090	601.0551	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type A	LF	427.000	427.000
0092	601.0555	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	LF	3,191.000	3,191.000
0094	601.0581	Concrete Curb & Gutter 4-Inch Sloped 30-Inch Type R	LF	368.000	368.000
0096	602.0405	Concrete Sidewalk 4-Inch	SF	8,170.000	8,170.000
0098	606.0100	Riprap Light	CY	20.000	20.000

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Line	Item	Item Description	Unit	Total	Qty
0100	606.0200	Riprap Medium	CY	61.000	61.000
0102	606.0300	Riprap Heavy	CY	76.000	76.000
0104	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	62.000	62.000
0106	608.3012	Storm Sewer Pipe Class III-A 12-Inch	LF	534.000	534.000
0108	608.3018	Storm Sewer Pipe Class III-A 18-Inch	LF	1,148.000	1,148.000
0110	608.3024	Storm Sewer Pipe Class III-A 24-Inch	LF	219.000	219.000
0112	611.0420	Reconstructing Manholes	EACH	1.000	1.000
0114	611.0624	Inlet Covers Type H	EACH	5.000	5.000
0116	611.0627	Inlet Covers Type HM	EACH	14.000	14.000
0118	611.0636	Inlet Covers Type HM-S	EACH	3.000	3.000
0120	611.0642	Inlet Covers Type MS	EACH	7.000	7.000
0122	611.0652	Inlet Covers Type T	EACH	4.000	4.000
0124	611.2005	Manholes 5-FT Diameter	EACH	2.000	2.000
0126	611.2006	Manholes 6-FT Diameter	EACH	1.000	1.000
0128	611.3004	Inlets 4-FT Diameter	EACH	9.000	9.000
0130	611.3225	Inlets 2x2.5-FT	EACH	3.000	3.000
0132	611.3230	Inlets 2x3-FT	EACH	11.000	11.000
0134	611.3901	Inlets Median 1 Grate	EACH	1.000	1.000
0136	611.3902	Inlets Median 2 Grate	EACH	3.000	3.000
0138	611.8120.S	Cover Plates Temporary	EACH	3.000	3.000
0140	612.0106	Pipe Underdrain 6-Inch	LF	2,664.000	2,664.000
0142	618.0100	Maintenance and Repair of Haul Roads (project) 01. 1706-03-72	EACH	1.000	1.000
0144	619.1000	Mobilization	EACH	1.000	1.000
0146	620.0300	Concrete Median Sloped Nose	SF	429.000	429.000
0148	624.0100	Water	MGAL	147.000	147.000
0150	625.0500	Salvaged Topsoil	SY	36,010.000	36,010.000
0152	627.0200	Mulching	SY	8,190.000	8,190.000
0154	628.1504	Silt Fence	LF	2,290.000	2,290.000
0156	628.1520	Silt Fence Maintenance	LF	2,290.000	2,290.000
0158	628.1905	Mobilizations Erosion Control	EACH	6.000	6.000
0160	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000
0162	628.2002	Erosion Mat Class I Type A	SY	9,840.000	9,840.000
0164	628.2006	Erosion Mat Urban Class I Type A	SY	17,380.000	17,380.000
0166	628.7005	Inlet Protection Type A	EACH	37.000	37.000
0168	628.7015	Inlet Protection Type C	EACH	33.000	33.000
0170	628.7504	Temporary Ditch Checks	LF	107.000	107.000
0172	628.7555	Culvert Pipe Checks	EACH	62.000	62.000
0174	629.0210	Fertilizer Type B	CWT	25.000	25.000
0176	630.0130	Seeding Mixture No. 30	LB	424.000	424.000
0178	630.0140	Seeding Mixture No. 40	LB	800.000	800.000
0180	630.0200	Seeding Temporary	LB	943.000	943.000
0182	630.0400	Seeding Nurse Crop	LB	5.000	5.000
0184	630.0500	Seed Water	MGAL	797.400	797.400
0186	633.5200	Markers Culvert End	EACH	4.000	4.000
0188	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	10.000	10.000
0190	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	27.000	27.000
0192	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	8.000	8.000
0194	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	16.000	16.000
0196	637.2210	Signs Type II Reflective H	SF	634.060	634.060

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Line	Item	Item Description	Unit	Total	Qty
0198	637.2230	Signs Type II Reflective F	SF	66.940	66.940
0200	638.2602	Removing Signs Type II	EACH	47.000	47.000
0202	638.3000	Removing Small Sign Supports	EACH	47.000	47.000
0204	642.5201	Field Office Type C	EACH	1.000	1.000
0206	643.0300	Traffic Control Drums	DAY	6,262.000	6,262.000
0208	643.0420	Traffic Control Barricades Type III	DAY	2,198.000	2,198.000
0210	643.0705	Traffic Control Warning Lights Type A	DAY	2,788.000	2,788.000
0212	643.0715	Traffic Control Warning Lights Type C	DAY	1,830.000	1,830.000
0214	643.0900	Traffic Control Signs	DAY	29,303.000	29,303.000
0216	643.0920	Traffic Control Covering Signs Type II	EACH	6.000	6.000
0218	643.1050	Traffic Control Signs PCMS	DAY	42.000	42.000
0220	643.3165	Temporary Marking Line Paint 6-Inch	LF	13,387.000	13,387.000
0222	643.3180	Temporary Marking Line Removable Tape 6-Inch	LF	9,236.000	9,236.000
0224	643.5000	Traffic Control	EACH	1.000	1.000
0226	645.0105	Geotextile Type C	SY	260.000	260.000
0228	645.0111	Geotextile Type DF Schedule A	SY	1,184.000	1,184.000
0230	645.0120	Geotextile Type HR	SY	343.000	343.000
0232	645.0130	Geotextile Type R	SY	88.000	88.000
0234	646.2020	Marking Line Epoxy 6-Inch	LF	93.000	93.000
0236	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	14,088.000	14,088.000
0238	646.4020	Marking Line Epoxy 10-Inch	LF	260.000	260.000
0240	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	72.000	72.000
0242	646.7120	Marking Diagonal Epoxy 12-Inch	LF	280.000	280.000
0244	646.8120	Marking Curb Epoxy	LF	60.000	60.000
0246	646.8220	Marking Island Nose Epoxy	EACH	6.000	6.000
0248	646.9000	Marking Removal Line 4-Inch	LF	3,230.000	3,230.000
0250	646.9100	Marking Removal Line 8-Inch	LF	100.000	100.000
0252	650.4000	Construction Staking Storm Sewer	EACH	34.000	34.000
0254	650.4500	Construction Staking Subgrade	LF	5,231.000	5,231.000
0256	650.5000	Construction Staking Base	LF	4,366.000	4,366.000
0258	650.6000	Construction Staking Pipe Culverts	EACH	8.000	8.000
0260	650.7000	Construction Staking Concrete Pavement	LF	4,677.000	4,677.000
0262	650.8501	Construction Staking Electrical Installations (project) 01. 1706-03-72	EACH	1.000	1.000
0264	650.9911	Construction Staking Supplemental Control (project) 01. 1706-03-72	EACH	1.000	1.000
0266	650.9920	Construction Staking Slope Stakes	LF	10,115.000	10,115.000
0268	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	2,165.000	2,165.000
0270	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	99.000	99.000
0272	652.0605	Conduit Special 2-Inch	LF	132.000	132.000
0274	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	10.000	10.000
0276	654.0105	Concrete Bases Type 5	EACH	16.000	16.000
0278	654.0224	Concrete Control Cabinet Bases Type L24	EACH	1.000	1.000
0280	655.0610	Electrical Wire Lighting 12 AWG	LF	2,496.000	2,496.000
0282	655.0620	Electrical Wire Lighting 8 AWG	LF	8,723.000	8,723.000
0284	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. STA 26+71'NB'	EACH	1.000	1.000
0286	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	16.000	16.000
0288	657.0322	Poles Type 5-Aluminum	EACH	16.000	16.000
0290	657.0710	Luminaire Arms Truss Type 4 1/2-Inch Clamp 12-FT	EACH	16.000	16.000
0292	659.1115	Luminaires Utility LED A	EACH	16.000	16.000
0294	659.2124	Lighting Control Cabinets 120/240 24-Inch	EACH	1.000	1.000

Estimate Of Quantities

1706-03-72

Line	Item	Item Description	Unit	Total	Qty
0296	690.0150	Sawing Asphalt	LF	2,908.000	2,908.000
0298	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	3,081.000	3,081.000
0300	999.2000.S	Installing and Maintaining Bird Deterrent System (station) 01. STA 72+43'EB'	EACH	1.000	1.000
0302	999.2000.S	Installing and Maintaining Bird Deterrent System (station) 02. STA 28+59'NB'	EACH	1.000	1.000
0304	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,000.000	2,000.000
0306	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	1,320.000	1,320.000
0308	SPV.0060	Special 01. Landmark Reference Monuments	EACH	1.000	1.000
0310	SPV.0085	Special 01. Seeding No Mow Fescue	LB	25.000	25.000

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REMOVING CONCRETE SURFACES

CATEGORY	STATION	TO	STATION	LOCATION	204.0100 REMOVING CONCRETE PAVEMENT SY	204.0130 REMOVING CURB LF	204.0150 REMOVING CURB & GUTTER LF
0010	67+75 'EB'	-	68+02 'EB'	STH 11 EB, LT	-	-	48
	67+86 'EB'	-	68+28 'EB'	STH 11 EB, RT	-	-	58
	68+57 'EB'	-	69+46 'EB'	STH 11 EB, LT	-	-	77
	68+90 'EB'	-	69+33 'EB'	STH 11 EB, RT	-	-	57
	27+18 'NB'	-	27+53 'NB'	CTH P, RT	-	82	-
	27+99 'NB'	-	28+39 'NB'	STH 23, LT	-	86	-
	28+02 'NB'	-	33+57 'NB'	STH 23	1,240	-	-
				TOTAL 0010	1,240	168	240

REMOVING RETAINING WALLS

CATEGORY	STATION	TO	STATION	LOCATION	204.0170 REMOVING FENCE LF	204.9060.S REMOVING (ITEM DESCRIPTION) (01. WOOD RETAINING WALL) EACH	204.9060.S REMOVING (ITEM DESCRIPTION) (02. ROCK RETAINING WALL) EACH	204.9060.S REMOVING (ITEM DESCRIPTION) (03. MASONRY BLOCK RETAINING WALL) EACH	205.0506.S EXCAVATION, HAULING, AND DISPOSAL OF CREOSOTE CONTAMINATED SOIL TON
0010	68+70 'EB'	-	69+70 'EB'	STH 11, LT	-	1	-	-	22
	29+79 'NB'	-	30+63 'NB'	STH 23, RT	-	-	1	-	-
	31+62 'NB'	-	32+35 'NB'	STH 23, RT	-	-	-	1	-
	62+23 'EB'			STH 11, RT	13	-	-	-	-
	25+27 'NB'			CTH P, LT	13	-	-	-	-
				TOTAL 0010	26	1	1	1	22

REMOVING GUARDRAIL

CATEGORY	STATION	TO	STATION	LOCATION	204.0165 REMOVING GUARDRAIL LF
0010	71+77 'EB'	-	73+45 'EB'	STH 11, RT	167
	28+23 'NB'	-	29+41 'NB'	STH 23, LT	115
				TOTAL 0010	282

REMOVING ASPHALTIC SURFACE

CATEGORY	STATION	TO	STATION	LOCATION	204.0110 REMOVING ASPHALTIC SURFACE SY
0010	27+18 'NB'	-	27+53 'NB'	CTH P, RT	21
	27+99 'NB'	-	28+39 'NB'	STH 23, LT	23
				TOTAL 0010	44

REMOVING STRUCTURES AND PIPE CULVERTS

CATEGORY	STATION	OFFSET	LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	203.0220 REMOVING STRUCTURE (STRUCTURE) (01. 72" CPRC) EACH	203.0220 REMOVING STRUCTURE (STRUCTURE) (02. C-33-0386) EACH	203.0220 REMOVING STRUCTURE (STRUCTURE) (03. C-33-0387) EACH	REMARKS
0010	62+85 'EB'	30' RT	STH 11	1	-	-	-	70' - 18" CPCS
	65+66 'EB'	16' RT	STH 11	1	-	-	-	60' - 18" CPCS
	70+35 'EB'	82'LT	STH 11	-	1	-	-	
	72+45 'EB'	-	STH 11	-	-	-	1	
	74+44 'EB'	30' LT	STH 11	1	-	-	-	52' -18" CPCS
	18+53 'NB'	36' LT	CTH P	1	-	-	-	60' - 18"CPCS
	21+29 'NB'	38' LT	CTH P	1	-	-	-	50' - 18"CPCS
	27+20 'NB'	-	CTH P	1	-	-	-	92' - 24" CPCS
	28+57 'NB'	-	STH 23	-	-	1	-	
	29+74 'NB'	-	STH 23	1	-	-	-	50' - 24" CPRC
	29+96 'NB'	33' LT	STH 23	1	-	-	-	28' - 18" CPCS
	31+42 'NB'	30' RT	STH 23	1	-	-	-	30' - 18"CPCS
			TOTAL 0010	9	1	1	1	

72-INCH CULVERT EXCAVATION

CATEGORY	STATION	TO	STATION	LOCATION	* 312.0110 SELECT CRUSHED MATERIAL TON	645.0105 GEOTEXTILE TYPE C SY
0010	67+33 'EB'	-	69+27 'EB'	STH 11	130	260
				TOTAL 0010	130	260

*** ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLANS**

3

EARTHWORK SUMMARY

CATEGORY 0010

SUBSTAGE	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	205.0100 COMMON EXCAVATION (1) EBS EXCAVATION (3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL	AVAILABLE MATERIAL (5)	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.25	MASS ORDINATE +/- (14)	WASTE (15)	COMMENT
STAGE 1	258+49 'EX' - 277+49 'EX'	STH 11 WB	980	-	-	980	1,380	1,725	-745	-	
-	-	NW/SE DITCH GRADING	1,430	-	-	1,430	-	-	1,430	1,430	SURF - SURF
-	-	RCCP 72-INCH	-	70	-	70	-	-	70	66	SURF - SURF
-	-	UNDISTRIBUTED	-	300	-	-	-	-	-	-	
		STAGE 1 SUBTOTALS	2,410	370	0	2,480	1,380	1,725	755	755	
STAGE 2	58+65 'EB' - 77+50 'EB'	STH 11 EB	4,690	-	270	4,420	1,080	1,350	3,070	3,070	
	17+00 'NB' - 26+50 'NB'	CTH P NB	5,620	-	0	5,620	50	63	5,558	5,558	
	21+93 'SB' - 26+50 'SB'	CTH P SB	4,960	-	170	4,790	10	13	4,778	4,778	
	10+00'C' - 13+77'C'	RAB	1,520	-	160	1,360	620	775	585	585	SURF - SURF
		STAGE 2 SUBTOTALS	16,790	0	600	16,190	1,760	2,200	13,990	13,990	
STAGE 3	58+49 'WB' - 77+59 'WB'	STH 11 WB	4,060	-	590	3,470	180	225	3,245	3,245	
	28+50 'NB' - 33+57 'NB'	STH 23 NB	1,620	-	430	1,190	240	300	890	890	
	28+50 'SB' - 33+57 'SB'	STH 23 SB	1,710	-	0	1,710	230	288	1,423	1,423	
	10+00'C' - 13+77'C'	RAB	880	-	190	690	320	400	290	290	SURF - SURF
		STAGE 3 SUBTOTALS	8,270	0	1,210	7,060	970	1,213	5,848	5,848	
STAGE 4	58+65 'EB' - 77+50 'EB'	STH 11 EB	800	-	150	650	1,130	1,413	-763	-	
		STAGE 4 SUBTOTALS	800	0	150	650	1,130	1,413	-763	0	
GRAND TOTAL			28,270	370	1,960	26,380	5,240	6,550	19,830	20,593	
TOTAL COMMON EXC			28,640								

NOTES:

(1) COMMON EXCAVATION IS THE SUM OF THE CUT COLUMN. ITEM NUMBER 205.0100

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

(3) EBS EXCAVATION TO BE BACKFILLED WITH WASTE MATERIAL MEETING STANDARD SPEC 208.2.1 UNLESS SPECIFIED ELSEWHERE IN PLAN

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

(13) EXPANDED FILL FACTOR = 1.25

EXPANDED FILL = UNEXPANDED FILL * FILL FACTOR

(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.

(15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

3

BASE AGGREGATE ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	* 312.0110 SELECT CRUSHED MATERIAL TON	624.0100 WATER MGAL	REMARKS
0010	62+47 'EB'	-	67+49 'EB'	STH 11	64	1,450	2,480	23	
	69+07 'EB'	-	73+86 'EB'	STH 11	92	1,410	2,200	23	
	20+25 'NB'	-	26+72 'NB'	CTH P	64	1,780	3,340	28	
	28+27 'NB'	-	33+47 'NB'	STH 23	43	1,320	2,380	21	
	10+00 'C'	-	13+77 'C'	STH 11 RAB	-	770	1,740	12	
	62+47 'EB'	-	67+49 'EB'	STH 11	-	-	46	-	DRIVEWAYS
	69+07 'EB'	-	73+86 'EB'	STH 11	-	-	41	-	DRIVEWAYS
	20+25 'NB'	-	26+72 'NB'	CTH P	180	-	15	3	DRIVEWAYS
	28+27 'NB'	-	33+47 'NB'	STH 23	-	-	55	-	DRIVEWAYS
	58+48 'EB'	-	77+75 'EB'	STH 11	-	1,430	-	22	STAGE 1
	58+64 'EB'	-	77+50 'EB'	STH 11	-	1,000	-	15	STAGE 2
			UNDISTRIBUTED		-	-	500	-	CONSTRUCTION STAGING
				TOTAL 0010	443	9,160	12,797	147	

*** ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLANS**

REMOVING STORM SEWER

CATEGORY	STATION	TO	STATION	LOCATION	204.0220 REMOVING INLETS EACH	204.0245 REMOVING STORM SEWER (SIZE) (01. 18-INCH) LF	REMARKS
0010	67+33 'EB'	-	67+49 'EB'	STH 11, RT	1	13	STAGE 4B
				TOTAL 0010	1	13	

TEMPORARY LANE SHIFT

CATEGORY	STATION	TO	STATION	LOCATION	208.1500.S TEMPORARY LANE SHIFT DURING CULVERT WORK EACH	REMARKS
0010	65+05 'EB'	-	71+80 'EB'	STH 11	2	72-INCH CPRC
	69+16 'EB'	-	72+85 'EB'	STH 11	2	24-INCH CPRC
	69+73 'EB'	-	75+12 'EB'	STH 11	2	4 X 8-FT BOX CULVERT REMOVAL
				TOTAL 0010	6	

CONCRETE PAVEMENT

CATEGORY	STATION	TO	STATION	LOCATION	405.0100 COLORING CONCRETE WISDOT RED CY	415.0085 CONCRETE PAVEMENT 8 1/2-INCH SY	415.2010 CONCRETE TRUCK APRON 12-INCH SY
0010	62+47 'EB'	-	67+49 'EB'	STH 11	-	1,990	-
	69+07 'EB'	-	73+86 'EB'	STH 11	-	1,580	-
	20+25 'NB'	-	26+72 'NB'	CTH P	-	2,590	-
	28+27 'NB'	-	33+47 'NB'	STH 23	-	2,080	-
	66+81 'EB'	-	67+61 'EB'	STH 11	12	-	36
	66+56 'WB'	-	68+02 'WB'	STH 11	16	-	48
	68+54 'WB'	-	69+80 'WB'	STH 11	20	-	61
	10+00 'C'	-	13+77 'C'	STH 11 RAB	228	1,220	685
				TOTAL 0010	276	9,460	830

HMA PAVEMENT AND SHOULDERS

CATEGORY	STATION	TO	STATION	LOWER LAYER THICKNESS IN	MIDDLE LAYER THICKNESS IN	UPPER LAYER THICKNESS IN	LOCATION	455.0605 TACK COAT GAL	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	REMARKS
0010	62+15 'EB'	-	62+47 'EB'	2.25	2.25	2.00	STH 11	9	32	14	TIE-IN
	62+47 'WB'	-	66+19 'WB'	-	-	3.50	STH 11	2	-	41	WB SHOULDER
	70+43 'EB'	-	73+86 'EB'	-	-	4.00	STH 11	2	-	42	EB SHOULDER
	70+45 'WB'	-	73+86 'WB'	-	-	3.50	STH 11	2	-	37	WB SHOULDER
	73+86 'EB'	-	73+96 'EB'	2.25	2.25	2.00	STH 11	3	10	4	TIE-IN
	18+00 'NB'	-	20+25 'NB'	3.00	-	2.00	CTH P	43	104	70	TIE-IN
	29+57 'SB'	-	33+46 'SB'	-	-	3.50	STH 23	2	-	42	SHOULDERS
	32+50 'NB'	-	33+46 'NB'	-	-	3.50	STH 23	1	-	10	SHOULDERS
	33+46 'NB'	-	33+56 'NB'	2.25	2.25	2.00	STH 23	2	9	4	TIE-IN
	67+90 'EB'	-	72+63 'EB'	3.00	-	2.50	STH 11	-	-	141	STAGE 1 CULVERTS
	58+48 'EB'	-	77+75 'EB'	-	-	4.00	STH 11	-	-	614	STAGE 1
	58+64 'EB'	-	77+50 'EB'	-	-	4.00	STH 11	-	-	440	STAGE 2
							TOTAL 0010	66	155	1,459	

CONCRETE PAVEMENT JOINTS

CATEGORY	STATION	TO	STATION	LOCATION	415.4100 CONCRETE PAVEMENT JOINT FILLING SY	415.6000.S ROUT AND SEAL LF
0010	62+47 'EB'	-	67+49 'EB'	STH 11	2,410	410
	69+07 'EB'	-	73+86 'EB'	STH 11	1,860	720
	20+25 'NB'	-	26+72 'NB'	CTH P	3,160	-
	28+27 'NB'	-	33+47 'NB'	STH 23	2,410	520
	10+00 'C'	-	13+77 'C'	STH 11 RAB	2,180	-
				TOTAL 0010	12,020	1,650

CONCRETE CURB AND GUTTER

CATEGORY	STATION	TO	STATION	LOCATION	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A LF	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0551 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A LF	601.0555 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A LF	601.0581 CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R LF	602.0405 CONCRETE SIDEWALK 4-INCH SF	620.0300 CONCRETE MEDIAN SLOPED NOSE SF	REMARKS
0010	62+47 'EB'	-	66+81 'EB'	STH 11, RT	-	-	-	435	-	-	-	
	66+81 'EB'	-	67+61 'EB'	STH 11, RT	-	-	82	-	-	-	-	
	68+73 'EB'	-	70+43 'EB'	STH 11, RT	-	-	-	200	-	-	-	
	66+19 'WB'	-	66+56 'WB'	STH 11, LT	-	-	-	66	-	-	-	
	66+56 'WB'	-	68+02 'WB'	STH 11, LT	-	-	165	-	-	-	-	
	68+54 'WB'	-	69+80 'WB'	STH 11, LT	-	-	180	-	-	-	-	
	69+80 'WB'	-	70+46 'WB'	STH 11, LT	-	-	-	66	-	-	-	
	20+25 'NB'	-	26+71 'NB'	CTH P, RT	-	-	-	637	-	-	-	
	28+90 'NB'	-	32+50 'NB'	STH 23, RT	-	-	-	358	-	-	-	
	20+25 'SB'	-	27+06 'SB'	CTH P, LT	-	-	-	695	-	-	-	
	28+72 'SB'	-	29+58 'SB'	STH 23, LT	-	-	-	84	-	-	-	
	64+98 'EB'	-	67+44 'EB'	STH 11, MEDIAN	-	302	-	198	-	2,210	89	
	69+16 'WB'	-	71+62 'WB'	STH 11, MEDIAN	-	307	-	199	-	2,340	94	
	24+71 'NB'	-	26+66 'NB'	CTH P, MEDIAN	-	321	-	91	-	2,220	104	
	28+33 'SB'	-	28+90 'SB'	STH 23, MEDIAN	-	120	-	-	-	670	87	REJECT CURB
	30+11 'SB'	-	31+02 'SB'	STH 23, MEDIAN	-	-	-	162	-	730	55	REJECT CURB
	10+00 'C'	-	13+77 'C'	STH 11 RAB, MEDIAN	227	-	-	-	368	-	-	
				TOTAL 0010	227	1,050	427	3,191	368	8,170	429	

CULVERT PIPE ITEMS

CATEGORY	**INLET STATION	**INLET OFFSET	**INLET ELEV. (FT)	**OUTLET STATION	**OUTLET OFFSET	**OUTLET ELEV. (FT)	SLOPE (%)	PIPE THICKNESS (IN)	LOCATION	* 520.1018 APRON ENDWALLS FOR CULVERT PIPE 18-INCH EACH	* 520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH EACH	520.2018 CULVERT PIPE TEMPORARY 18-INCH LF	520.2024 CULVERT PIPE TEMPORARY 24-INCH LF	520.3318 CULVERT PIPE CLASS III-A 18-INCH LF	520.3324 CULVERT PIPE CLASS III-A 24-INCH LF	522.0472 CULVERT PIPE REINFORCED CONCRETE CLASS IV 72-INCH LF	522.1072 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 72-INCH EACH	633.5200 MARKERS CULVERT END EACH	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	REMARKS
0010	62+62 'EB'	39.3' RT	992.65	63+19 'EB'	37.9' RT	991.52	2.02	0.064	STH 11	-	-	56	-	-	-	-	-	-	1	
	67+33 'EB'	96.4' LT	970.88	69+27 'EB'	47.6' RT	969.52	0.60	0.168	STH 11	-	-	-	-	-	-	228	2	2	1	
	71+00 'EB'	45.9' LT	970.77	71+02 'EB'	38.1' RT	968.84	2.31	0.064	STH11	-	2	-	9	-	84	-	-	2	1	STAGE 1
	74+10 'EB'	41.2' LT	968.38	74+62 'EB'	41.2' LT	967.59	1.52	0.064	STH 11	-	-	56	-	-	-	-	-	-	1	STAGE 1
	74+10 'EB'	35.9' LT	968.13	74+66 'EB	35.9' LT	968.00	1.50	0.064	STH 11	2	-	-	-	56	-	-	-	-	1	
	18+81 'NB'	31.8' LT	984.53	18+31 'NB'	32.0' LT	983.11	2.64	0.064	CTH P	2	-	-	-	50	-	-	-	-	1	
	21+60 'NB'	33.8' LT	989.72	21+00 'NB'	34.7'LT	989.20	0.87	0.064	CTH P	2	-	-	-	60	-	-	-	-	1	
	30+09 'NB'	51.6' LT	979.41	29+77 'NB'	50.8' LT	978.12	4.04	0.064	STH 23	2	-	-	-	32	-	-	-	-	1	
									TOTAL 0010	8	2	112	9	198	84	228	2	4	8	

*** ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLANS**

**** PIPE INVERT AT END OF PIPE & STATION /OFFSET TO CENTER OF STRUCTURE**

3

MOBILIZATION EROSION CONTROL

CATEGORY	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	PROJECT WIDE	6	3
	TOTAL 0010	6	3

ASPHALTIC SURFACE ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	465.0315 ASPHALTIC FLUMES SY
0010	62+47 'EB'	-	67+49 'EB'	STH 11	23	-
	69+07 'EB'	-	73+86 'EB'	STH 11	21	21
	20+25 'NB'	-	26+72 'NB'	CTH P	7	21
	28+27 'NB'	-	33+47 'NB'	STH 23	28	-
	TOTAL 0010				79	42

RIPRAP ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	606.0100 RIPRAP LIGHT CY	606.0200 RIPRAP MEDIUM CY	606.0300 RIPRAP HEAVY CY	645.0120 GEOTEXTILE TYPE HR SY	645.0130 GEOTEXTILE TYPE R SY
0010	67+20 'EB'	-	67+31 'EB'	STH 11, LT	-	-	18	43	-
	69+07 'EB'	-	69+53 'EB'	STH 11, RT	-	-	58	120	-
	69+46 'EB'	-	69+72 'EB'	STH 11, LT	-	28	-	73	-
	70+59 'EB'	-	70+77 'EB	STH 11, RT	9	-	-	-	37
	70+60 'EB'	-	70+73 'EB'	STH 11, LT	7	-	-	-	28
	70+98 'EB'	-	71+06 'EB'	STH 11, RT	-	7	-	22	-
	71+51 'EB'	-	71+58 'EB'	STH 11, RT	-	6	-	21	-
	74+72 'EB'	-	74+85 'EB'	STH 11, LT	-	5	-	16	-
	18+12 'NB'	-	18+25 'NB	CTH P, LT	-	5	-	16	-
	20+01 'NB'	-	20+11 'NB'	CTH P, RT	1	-	-	-	9
	20+01 'NB'	-	20+10 'NB'	CTH P, LT	3	-	-	-	14
	20+81 'NB'	-	20+94 'NB'	CTH P, LT	-	5	-	16	-
	29+59 'NB'	-	29+71 'NB'	STH 23, LT	-	5	-	16	-
	TOTAL 0010				20	61	76	343	88

STORM SEWER PIPES

CATEGORY	FROM		TO	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.3012 STORM SEWER PIPE CLASS III-A 12-INCH LF	608.3018 STORM SEWER PIPE CLASS III-A 18-INCH LF	608.3024 STORM SEWER PIPE CLASS III-A 24-INCH LF	INLET ELEVATION (FT)	DISCHARGE ELEVATION (FT)	SLOPE (FT/FT)
0010	100	-	110	-	-	278	-	989.84	983.85	0.0215
	110	-	120	-	-	116	-	983.75	979.90	0.0333
	120	-	130	-	-	133	-	979.80	975.37	0.0333
	130	-	140	-	-	-	115	974.89	974.32	0.0050
	140	-	150	-	-	-	28	974.22	974.08	0.0050
	150	-	160	-	-	-	32	973.98	973.82	0.0050
	133	-	132	-	25	-	-	976.61	976.49	0.0050
	132	-	131	-	24	-	-	976.39	976.27	0.0050
	131	-	130	-	36	-	-	976.17	975.99	0.0050
	134	-	132	62	-	-	-	976.80	976.49	0.0050
	200	-	201	-	20	-	-	974.68	974.58	0.0050
	201	-	202	-	-	58	-	974.08	973.79	0.0050
	300	-	301	-	8	-	-	969.82	969.78	0.0050
	301	-	302	-	-	33	-	969.28	969.11	0.0050
	400	-	410	-	162	-	-	983.07	978.69	0.0270
	410	-	420	-	-	98	-	978.19	975.55	0.0270
	420	-	150	-	-	36	-	975.45	974.58	0.0242
	401	-	400	-	47	-	-	983.41	983.17	0.0050
	411	-	410	-	54	-	-	978.96	978.69	0.0050
	423	-	422	-	20	-	-	977.41	977.11	0.0150
	422	-	421	-	31	-	-	977.01	976.54	0.0150
	421	-	420	-	26	-	-	976.44	976.05	0.0150
	500	-	510	-	-	274	-	986.92	974.61	0.0450
	510	-	520	-	-	102	-	974.51	974.00	0.0050
	520	-	530	-	-	20	-	973.90	973.80	0.0050
	530	-	540	-	-	-	44	973.30	973.09	0.0050
	511	-	510	-	12	-	-	975.34	975.11	0.0200
	522	-	521	-	20	-	-	974.95	974.85	0.0049
	521	-	520	-	49	-	-	974.74	974.50	0.0050
	T-1	-	130	-	-	16	-	978.00	977.84	0.0102
	TOTAL 0010			62	534	1,148	219			

3

STORM SEWER STRUCTURES

CATEGORY	** STRUCTURE	** STATION	OFFSET	* 520.1018 APRON ENDWALLS FOR CULVERT PIPE 18-INCH EACH	* 520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH EACH	611.0420 RECONSTRUCTING MANHOLES EACH	611.0624 INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0636 INLET COVERS TYPE HM-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.0652 INLET COVERS TYPE T EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3225 INLETS 2X2.5-FT EACH	611.3230 INLETS 2X3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.8120.S COVER PLATES TEMPORARY EACH	RIM ELEVATION (FT)	INVERT ELEVATION (FT)	*** DEPTH (FT)
0010	100	62+20 'EB'	37.0' RT	-	-	-	-	-	-	2	-	-	-	-	-	-	-	1	-	992.43	989.84	2.59
	110	65+00 'EB'	21.5' RT	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	989.24	983.75	4.47
	120	66+14 'WB'	36.5' RT	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	985.23	979.80	4.41
	130	13+12 'C'	25.7' LT	-	-	1	-	-	1	-	-	-	1	-	-	-	-	-	1	982.02	974.89	6.11
	140	12+03 'C'	1.2' RT	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	980.54	974.22	5.22
	150	11+95 'C'	24.5' LT	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	980.55	973.98	5.55
	160	11+90 'C'	55.2' LT	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	973.82	-
	131	67+40 'EB'	1.2' LT	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	981.99	976.17	4.80
	132	67+40 'WB'	1.5' RT	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	981.69	976.39	4.28
	133	67+36 'WB'	22.6' LT	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	981.57	976.61	3.94
	134	10+21 'C'	1.2' RT	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	980.54	976.80	2.64
	200	11+32 'C'	1.2' RT	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	979.58	974.68	3.80
	201	11+12 'C'	1.2' RT	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	979.51	974.08	4.33
	202	11+09 'C'	56.2' LT	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	973.79	-
	300	71+54 'WB'	4.6' RT	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	975.01	969.82	4.17
	301	71+54 'EB'	1.5' LT	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	974.93	969.28	4.63
	302	71+54 'EB'	31.5' RT	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	969.11	-
	400	24+00 'NB'	18.5' RT	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	988.07	983.07	3.98
	410	25+59 'NB'	20.0' RT	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	983.65	978.19	4.44
	420	12+19 'C'	33.1' LT	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	981.30	975.45	4.83
	401	24+00 'SB'	18.5' LT	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	988.07	983.41	3.64
	411	25+57 'SB'	19.5' LT	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	983.66	978.96	3.68
	421	26+62 'NB'	1.5' LT	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	981.76	976.44	4.30
	422	26+64 'SB'	1.5' RT	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	981.93	977.01	3.90
	423	26+64 'SB'	18.7' LT	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	982.23	977.41	3.80
	500	32+58 'NB'	26.7' RT	-	-	-	-	-	-	2	-	-	-	-	-	-	-	1	-	991.92	986.92	5.00
	510	29+85 'NB'	19.5' RT	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	980.95	974.51	5.42
	520	28+81 'NB'	18.4' RT	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	979.11	973.90	4.19
	530	28+61 'NB'	20.5' RT	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	979.18	973.30	4.86
	540	28+41 'NB'	59.3' RT	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	973.09	-
	511	29+85 'NB'	31.1' RT	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	979.80	975.34	4.46
	521	28+90 'SB'	17.6' LT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	979.55	974.74	3.79
	522	28+66 'SB'	19.3' LT	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	979.63	974.95	3.66
	T-1	67+33 'EB'	44.4' RT	-	-	-	-	-	-	2	-	-	-	-	-	-	-	1	-	980.07	978.00	2.07
						-																
			TOTAL 0010	2	2	1	5	14	3	7	4	2	1	9	3	11	1	3	3			

*** ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLANS**

**** STATION AND OFFSET ARE TO CENTER OF STRUCTURE**

***** DEPTH = RIM ELEVATION - STRUCTURE INVERT - COVER HEIGHT - 6-IN ADJ RING HEIGHT**

3

PIPE UNDERDRAIN ITEMS

CATEGORY	BEGIN STATION	BEGIN OFFSET	BEGIN ELEV.	BEGIN STR. NO.	STATION	OFFSET	ELEV.	STR. NO.	LOCATION	310.0110 BASE AGGREGATE OPEN-GRADED TON	612.0106 PIPE UNDERDRAIN 6-INCH LF	645.0111 GEOTEXTILE TYPE DF SCHEDULE A SY
0010	62+47 'EB'	22.0' RT	991.49	END CAP REQ'D	65+00 'EB'	33.9' RT	985.62	110	STH 11, RT	14	252	112
	65+00 'EB'	33.9' RT	985.62	110	66+14 'EB'	36.5' RT	981.61	120	STH 11, RT	7	116	52
	66+14 'EB'	36.5' RT	981.61	120	13+12 'C'	25.7' LT	978.40	130	STH 11, RT	8	140	62
	21+50 'SB'	18.0' LT	987.07	END CAP REQ'D	24+00 'SB'	18.5' LT	984.51	401	CTH P, LT	14	248	110
	24+00 'SB'	18.5' LT	984.51	401	25+57 'SB'	19.5' LT	983.58	411	CTH P, LT	9	156	69
	25+57 'SB'	19.5' LT	983.58	411	26+64 'SB'	18.7' LT	978.61	423	CTH P, LT	6	104	46
	26+64 'SB'	18.7' LT	978.61	423	13+12 'C'	25.7' LT	978.40	130	CTH P, LT	4	72	32
	66+19 'WB'	19.7' LT	981.50	END CAP REQ'D	67+36 'WB'	22.6' LT	977.95	133	STH 11, LT	7	116	52
	67+79 'WB'	47.0' LT	976.89	END CAP REQ'D	67+36 'WB'	22.6' LT	977.95	133	STH 11, LT	3	56	25
	32+50 'NB'	20.0' RT	989.05	END CAP REQ'D	29+85 'NB'	19.5' RT	977.33	510	STH 23, RT	15	266	118
	29+85 'NB'	19.5' RT	977.33	510	28+81 'NB'	18.4' RT	975.49	520	STH 23, RT	6	102	45
	28+81 'NB'	18.4' RT	975.49	520	28+61 'NB'	20.5' RT	975.56	530	STH 23, RT	1	20	9
	28+25 'SB'	27.1' LT	976.67	END CAP REQ'D	28+66 'SB'	19.3' LT	976.01	522	STH 23, LT	2	42	19
	29+58 'SB'	19.5' LT	976.63	END CAP REQ'D	28+90 'SB'	17.6' LT	975.93	521	STH 23, LT	4	70	31
	28+90 'SB'	17.6' LT	975.93	521	28+66 'SB'	19.3' LT	976.01	522	STH 23, LT	1	20	9
	21+50 'NB'	18.0' RT	987.06	END CAP REQ'D	24+00 'NB'	18.5' RT	984.51	400	CTH P, RT	14	250	111
	24+00 'NB'	18.5' RT	984.51	400	25+59 'NB'	20.0' RT	980.03	410	CTH P, RT	9	162	72
	25+59 'NB'	20.0' RT	980.03	410	12+19 'C'	33.1' LT	977.68	420	CTH P, RT	6	102	45
	12+19 'C'	33.1' LT	977.68	420	11+95 'C'	24.5' LT	976.93	150	CTH P, RT	2	36	16
	13+00 'C'	2.0' RT	978.07	HP	10+21 'C'	1.7' RT	976.91	134	STH 11 RAB	5	94	42
	13+00 'C'	2.0' RT	981.61	HP	12+03 'C'	1.7' RT	976.91	140	STH 11 RAB	5	94	42
	11+71 'C'	2.0' RT	976.46	END CAP REQ'D	12+03 'C'	1.7' RT	976.91	140	STH 11 RAB	2	32	14
	11+58 'C'	2.0' RT	976.27	END CAP REQ'D	11+32 'C'	1.7' RT	975.95	200	STH 11 RAB	2	26	12
	11+32 'C'	1.7' RT	975.95	200	11+12 'C'	1.7' RT	975.88	201	STH 11 RAB	1	20	9
	10+41 'C'	2.0' RT	976.65	END CAP REQ'D	11+12 'C'	1.7' RT	975.88	201	STH 11 RAB	4	68	30
									TOTAL 0010	151	2,664	1,184

EROSION CONTROL

CATEGORY	STATION	TO	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH
0010	62+47 'EB'	-	67+49 'EB'	STH 11	920	920	7	6	-	2
	69+07 'EB'	-	78+00 'EB'	STH 11	590	590	2	2	70	18
	20+25 'NB'	-	26+72 'NB'	CTH P	320	320	8	8	-	12
	28+27 'NB'	-	33+47 'NB'	STH 23	-	-	7	5	21	18
	10+00 'C'	-	13+77 'C'	STH 11 RAB	-	-	5	5	-	-
				UNDISTRIBUTED	460	460	8	7	16	12
				TOTAL 0010	2,290	2,290	37	33	107	62

TEMPORARY PAVEMENT MARKING

CATEGORY	STATION	TO	STATION	LOCATION	643.3165 TEMPORARY MARKING LINE PAINT 6-INCH LF	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH LF	REMARKS
0010	58+65 'EB'	-	77+59 'EB'	STH 11	4,875	-	STAGE 1
	57+43 'EB'	-	78+80 'EB'	STH 11	8,512	-	STAGE 2
	57+61 'EB'	-	78+50 'EB'	STH 11	-	9,236	STAGE 3
				TOTAL 0010	13,387	9,236	

FINISHING ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	628.2002 EROSION MAT CLASS I TYPE A SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	630.0400 SEEDING NURSE CROP LB	630.0500 SEED WATER MGAL	SPV.0085 SPECIAL (01. SEEDING NO MOW FESCUE) LB	REMARKS
0010	58+62 'EB'	-	67+06 'EB'	STH 11, RT	2,850	-	-	2,850	2	-	130	77	-	64	-	
	68+98 'EB'	-	77+57 'EB'	STH 11, RT	3,640	-	3,640	-	2	170	-	98	-	82	-	
	58+47 'WB'	-	66+83'WB'	STH 11, LT	2,030	-	2,030	-	1	90	-	55	-	46	-	
	66+83 'WB'	-	67+47 'WB'	STH 11, LT	390	-	-	390	1	-	18	10	-	8.7	-	
	69+61 'WB'	-	77+65 'WB'	STH 11, LT	3,430	-	-	3,430	2	-	160	93	-	77	-	
	18+00 'NB'	-	26+94 'NB'	CTH P, RT	1,770	-	1,770	-	1	80	-	48	-	40	-	
	27+86 'NB'	-	33+57 'NB'	STH 23, RT	1,310	-	-	1,310	1	-	60	35	-	30	-	
	16+98 'SB'	-	27+25 'SB'	CTH P, LT	4,100	-	-	4,100	3	-	190	110	-	92	-	
	27+94 'SB'	-	33+57 'SB'	STH 23, LT	1,820	-	-	1,820	1	-	82	49	-	41	-	
	10+00 'C'	-	13+77 'C'	STH 11 RAB	430	-	430	-	1	-	-	-	4	9.7	20	
	58+48 'EB'	-	77+64 'EB'	STH 11, LT	2,500	2,500	-	-	2	-	-	68	-	56	-	STAGE 2
	58+65 'EB'	-	77+50 'EB	STH 11, RT	4,050	4,050	-	-	3	-	-	110	-	91	-	STAGE 3
				UNDISTRIBUTED	7,690	1,640	1,970	3,480	5	84	160	190	1	160	5	
				TOTAL 0010	36,010	8,190	9,840	17,380	25	424	800	943	5	797	25	

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PERMANENT SIGNING ITEMS

CATEGORY	SIGN NUMBER	SIGN CODE	SIZE (INCH)	SIZE (INCH)	DESCRIPTION	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	634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF
0010	1-01	J1-2	48	39	JCT STH 23/CTH P	-	1	-	-	13.00	-
	1-02	W2-6	30	30	CIRCULAR INTERSECTION SIGN	-	1	-	-	-	6.25
	1-03	W13-1	18	18	ADVISORY SPEED PLATE 20 MPH	-	-	-	-	-	2.25
	1-04	D1-62	102	99	ROUNDABOUT DESTINATION	-	-	2	-	70.13	-
	1-05	D2-2	78	24	TWO DESTINATION/DISTANCE	2	-	-	-	13.00	-
	1-06	R4-7	24	30	KEEP RIGHT	-	1	-	-	5.00	-
	1-07	W5-54	18	18	CLEARANCE MARKER	-	-	-	-	-	2.25
	1-08	D1-2	78	30	TWO DESTINATION/ARROW	-	2	-	-	16.25	-
	1-09	R5-1	30	30	DO NOT ENTER	-	1	-	-	6.25	-
	1-10	R2-1	24	30	SPEED LIMIT 55 MPH	-	-	-	-	5.00	-
	1-11	R5-1A	36	24	WRONG WAY	1	-	-	-	6.00	-
	1-12	J4-1	24	36	WEST STH 11	-	-	-	-	6.00	-
	2-01	R1-2	36	31	YIELD	-	-	-	1	3.88	-
	2-02	R1-2	36	31	YIELD	-	-	-	1	3.88	-
	2-03	D1-67	36	18	ROUNDABOUT GORE SIGN	-	-	-	1	4.50	-
	2-04	R1-2	36	31	YIELD	-	-	-	1	3.88	-
	2-05	R1-2	36	31	YIELD	-	-	-	1	3.88	-
	2-06	D1-67	42	30	ROUNDABOUT GORE SIGN	-	-	-	1	8.75	-
	2-07	R1-2	36	31	YIELD	-	-	-	1	3.88	-
	2-08	R1-2	36	31	YIELD	-	-	-	1	3.88	-
	2-09	D1-67	42	30	ROUNDABOUT GORE SIGN	-	-	-	1	8.75	-
	2-10	R1-2	36	31	YIELD	-	-	-	1	3.88	-
	2-11	R1-2	36	31	YIELD	-	-	-	1	3.88	-
	2-12	D1-67	42	30	ROUNDABOUT GORE SIGN	-	-	-	1	8.75	-
	2-13	R6-1R	48	18	ONE WAY RIGHT	-	-	-	-	6.00	-
	2-14	W5-54	18	18	IN ROAD OBJECT MARKER	-	-	-	1	2.25	-
	2-15	R6-1R	48	18	ONE WAY RIGHT	-	-	-	-	6.00	-
	2-16	W5-54	18	18	IN ROAD OBJECT MARKER	-	-	-	1	2.25	-
	2-17	R6-1R	48	18	ONE WAY RIGHT	-	-	-	-	6.00	-
	2-18	W5-54	18	18	IN ROAD OBJECT MARKER	-	-	-	1	2.25	-
	2-19	R6-1R	48	18	ONE WAY RIGHT	-	-	-	-	6.00	-
	2-20	W5-54	18	18	IN ROAD OBJECT MARKER	-	-	-	1	2.25	-
	3-01	J4-1	24	36	EAST STH 11	1	-	-	-	6.00	-
	3-02	R5-1A	36	24	WRONG WAY	-	-	-	-	6.00	-
	3-03	R2-1	24	30	SPEED LIMIT 55 MPH	-	1	-	-	5.00	-
					PAGE 1/2 - SUBTOTALS	4	7	2	16	252.42	10.75

CONTINUED ON NEXT PAGE

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PERMANENT SIGNING ITEMS

CATEGORY	SIGN NUMBER	SIGN CODE	SIZE (INCH)	SIZE (INCH)	DESCRIPTION	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	634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF
	3-04	R5-1	30	30	DO NOT ENTER	-	-	-	-	6.25	-
	3-05	R4-7	24	30	KEEP RIGHT	-	1	-	-	5.00	-
	3-06	W5-54	18	18	CLEARANCE MARKER	-	-	-	-	-	2.25
	3-07	D1-2	78	30	TWO DESTINATION/ARROW	-	2	-	-	16.25	-
	3-08	D2-2	66	24	TWO DESTINATION/DISTANCE	-	2	-	-	11.00	-
	3-09	D1-62	102	99	ROUNDABOUT DESTINATION	-	-	2	-	70.13	-
	3-10	W11-14	36	36	HORSE-DRAWN VEHICLE	-	1	-	-	-	9.00
	3-11	W57-51	30	15	NEXT 5 MILES	-	-	-	-	-	3.13
	3-12	W2-6	30	30	CIRCULAR INTERSECTION SIGN	-	1	-	-	-	6.25
	3-13	W13-1	18	18	ADVISORY SPEED PLATE 20 MPH	-	-	-	-	-	2.25
	3-14	J1-2	48	39	JCT STH 23/CTH P	-	1	-	-	13.00	-
	3-15	W14-3	48	36	NO PASSING ZONE	-	1	-	-	-	5.56
	4-01	J1-1	24	39	JCT STH 11	-	1	-	-	6.50	-
	4-02	W2-6	30	30	CIRCULAR INTERSECTION SIGN	-	1	-	-	-	6.25
	4-03	W13-1	18	18	ADVISORY SPEED PLATE 20 MPH	-	-	-	-	-	2.25
	4-04	D1-62	102	99	ROUNDABOUT DESTINATION	-	-	2	-	70.13	-
	4-05	R5-1	30	30	DO NOT ENTER	1	-	-	-	6.25	-
	4-06	R2-1	24	30	SPEED LIMIT 55 MPH	-	-	-	-	5.00	-
	4-07	D1-3	78	42	THREE DESTINATION/ARROW	-	2	-	-	22.75	-
	4-08	R4-7	24	30	KEEP RIGHT	-	1	-	-	5.00	-
	4-09	W5-54	18	18	CLEARANCE MARKER	-	-	-	-	-	2.25
	4-10	W54-57	30	30	TRUCK ENTRANCE	1	-	-	-	-	6.25
	4-11	R5-1A	36	24	WRONG WAY	1	-	-	-	6.00	-
	4-12	M1-5A	24	24	COUNTY MARKER	-	-	-	-	4.00	-
	5-01	R4-7	24	30	KEEP RIGHT	1	-	-	-	5.00	-
	5-02	J4-1	24	36	NORTH STH 23	1	-	-	-	6.00	-
	5-03	R5-1A	36	24	WRONG WAY	-	-	-	-	6.00	-
	5-04	R4-7	24	30	KEEP RIGHT	1	-	-	-	5.00	-
	5-05	R2-1	24	30	SPEED LIMIT 55 MPH	-	1	-	-	5.00	-
	5-06	R5-1	30	30	DO NOT ENTER	-	-	-	-	6.25	-
	5-07	R4-7	24	30	KEEP RIGHT	-	1	-	-	5.00	-
	5-08	W5-54	18	18	CLEARANCE MARKER	-	-	-	-	-	2.25
	5-09	D1-3	78	36	THREE DESTINATION/ARROW	-	2	-	-	19.50	-
	5-10	D1-62	102	99	ROUNDABOUT DESTINATION	-	-	2	-	70.13	-
	5-11	W2-6	30	30	CIRCULAR INTERSECTION SIGN	-	1	-	-	-	6.25
	5-12	W13-1	18	18	ADVISORY SPEED PLATE 20 MPH	-	-	-	-	-	2.25
	5-13	J1-1	24	39	JCT STH 11	-	1	-	-	6.50	-
					PAGE 2/2 - SUBTOTALS	6	20	6	0	381.64	56.19
					TOTAL 0010	10	27	8	16	634.06	66.94

REMOVING SIGNS

CATEGORY	SIGN NUMBER	SIGN MESSGE	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH
0010	R-100	SPEED LIMIT 45 AHEAD	1	1
	R-101	JCT STH 23/JCT CTH P	1	1
	R-102	CROSS ROAD	1	1
	R-103	SPEED LIMIT 55	1	1
	R-104	SPEED LIMIT 45	1	1
	R-105	NORTH STH 23 ADVANCE ARROW LEFT/EAST STH 11 AHEAD	1	1
	R-106	MONROE/DARLINGTON ARROWS	1	1
	R-107	SHULLSBURG/DUBUQUE DISTANCE	1	1
	R-108	SPEED LIMIT 45	1	1
	R-109	WEST STH 11	1	1
	R-110	NORTH STH 23 LEFT/CTH P RIGHT	1	1
	R-200	SPEED LIMIT 45 AHEAD	1	1
	R-201	JCT STH 23/JCT CTH P	1	1
	R-202	SPEED LIMIT 45	1	1
	R-203	SPEED LIMIT 55	1	1
	R-204	NORTH STH 23 ADVANCE ARROW RIGHT/WEST STH 11 AHEAD	1	1
	R-205	NO PASSING ZONE	1	1
	R-206	HORSE-DRAWN VEHICLE	1	1
	R-207	NEXT 5 MILES	1	1
	R-208	DUBUQUE/DARLINGTON ARROWS	1	1
	R-209	GRATIOT/MONROE DISTANCE	1	1
	R-210	SPEED LIMIT 45	1	1
	R-211	EAST STH 11	1	1
		PAGE 1/2 - SUBTOTALS	23	23

CONTINUED ON NEXT PAGE

REMOVING SIGNS (CONTINUED)

CATEGORY	SIGN NUMBER	SIGN MESSGE	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH
	R-212	NORTH STH 23 RIGHT/CTH P LEFT	1	1
	R-300	STOP AHEAD	1	1
	R-301	DARLINGTON/SHULLSBURG/GRATIOT ARROWS	1	1
	R-302	JCT STH 11	1	1
	R-303	TRUCK ENTRANCE	1	1
	R-304	TRUCK	1	1
	R-305	CTH P	1	1
	R-306	STH 11 DOUBLE ARROW/STH 23 AHEAD	1	1
	R-307	TILT DOWN RIGHT AND TILT DOWN LEFT	1	1
	R-308	STOP	1	1
	R-309	DO NOT ENTER	1	1
	R-310	STOP	1	1
	R-311	KEEP RIGHT	1	1
	R-400	STOP AHEAD	1	1
	R-401	STOP AHEAD	1	1
	R-402	EAST STH 11 ADVANCE ARROW LEFT/WEST STH 11 ADVANCE ARROW RIGHT	1	1
	R-403	SPEED LIMIT 55	1	1
	R-404	GRATIOT/MONROE /SHULLSBURG ARROWS	1	1
	R-405	NORTH STH 23	1	1
	R-406	EAST STH 11 LEFT/CTH P AHEAD/WEST STH 11 RIGHT	1	1
	R-407	TILT DOWN RIGHT AND TILT DOWN LEFT	1	1
	R-408	STOP	1	1
	R-409	DO NOT ENTER	1	1
	R-410	STOP	1	1
		PAGE 2/2 - SUBTOTALS	24	24
		TOTAL 0010	47	47

TRAFFIC CONTROL ITEMS

CATEGORY	LOCATION/STAGE	APPROXIMATE SERVICE PERIOD DAYS	643.0300 TRAFFIC CONTROL DRUMS NO.	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III NO.	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A NO.	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C NO.	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.0900 TRAFFIC CONTROL SIGNS NO.	643.0900 TRAFFIC CONTROL SIGNS DAY	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II NO.	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II CYCLES	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS NO.	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY
0010	ADVANCED WARNING	7	-	-	18	126	22	154	-	-	43	301	-	-	-	-	-
	DETOUR ROUTE PRE-WARN	7	20	140	-	-	20	140	-	-	-	-	-	-	-	4	28
	DETOUR ROUTE	111	-	-	2	222	2	222	-	-	193	21,423	6	1	6	-	-
	STAGE 1	25	44	1,100	16	400	18	450	4	100	10	250	-	-	-	-	-
	CULVERT - 24-INCH CPRC	4	24	96	-	-	-	-	24	96	8	32	-	-	-	-	-
	CULVERT - 4X8-FT BOX CULVERT REMOVAL	3	36	108	-	-	-	-	36	108	8	24	-	-	-	-	-
	CULVERT - 72-INCH CPRC	7	46	322	-	-	-	-	46	322	8	56	-	-	-	-	-
	ADVANCED WARNING	25	-	-	-	-	-	-	-	-	43	1,075	-	-	-	-	-
	STAGE 2	50	30	1,500	11	550	12	600	14	700	13	650	-	-	-	-	-
	ADVANCED WARNING	50	-	-	-	-	-	-	-	-	43	2,150	-	-	-	-	-
	STAGE 3	36	33	1,188	7	252	10	360	14	504	15	540	-	-	-	-	-
	ADVANCED WARNING	36	-	-	18	648	22	792	-	-	43	1,548	-	-	-	-	-
	STAGE 4A	11	138	1,518	-	-	-	-	-	-	-	-	-	-	-	-	-
	ADVANCED WARNING	11	10	70	-	-	10	70	-	-	57	627	-	-	-	2	14
	STAGE 4B	11	20	220	-	-	-	-	-	-	-	-	-	-	-	-	-
	ADVANCED WARNING	11	-	-	-	-	-	-	-	-	57	627	-	-	-	-	-
	TOTAL 0010		6,262		2,198		2,788		1,830		29,303		6			42	

PERMANENT MARKING

CATEGORY	STATION	TO	STATION	LOCATION	646.2020 MARKING LINE EPOXY 6-INCH (SKIP WHITE) LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH (SOLID WHITE) LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH (SOLID YELLOW) LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH (SKIP YELLOW) LF	646.4020 MARKING LINE EPOXY 10-INCH (SOLID WHITE) LF	646.6320 MARKING DOTTED EXTENSION EPOXY 18-INCH (SKIP WHITE) LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH (SOLID YELLOW) LF	646.8120 MARKING CURB EPOXY (SOLID YELLOW) LF	646.8220 MARKING ISLAND NOSE EPOXY (SOLID YELLOW) EACH
0010	57+15 'EB'	-	67+38 'EB'	STH 11, WEST LEG	30	1,780	1,942	138	-	-	65	10	1
	69+22 'EB'	-	78+96 'EB'	STH 11, EAST LEG	24	1,703	2,322	-	-	-	61	10	1
	17+75 'NB'	-	26+60 'NB'	CTH P, SOUTH LEG	18	1,562	2,220	-	-	-	89	10	1
	28+41 'NB'	-	33+82 'NB'	STH 23, NORTH LEG	21	860	1,498	63	-	-	65	30	3
	10+00 'C'	-	13+77 'C'	STH 11 RAB	-	-	-	-	260	72	-	-	-
				SUBTOTALS	93	5,905	7,982	201	260	72	280	60	6
				TOTAL 0010	93		14,088		260	72	280	60	6

MARKING REMOVAL LINE

CATEGORY	STATION	TO	STATION	LOCATION	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9100 MARKING REMOVAL LINE 8-INCH LF	REMARKS
0010	57+43 'EB'	-	78+80 'EB'	STH 11, LT	2,270	100	STAGE 2
	57+61 'EB'	-	78+50 'EB'	STH 11, RT	960	-	STAGE 3
				TOTAL 0010	3,230	100	

INSTALLING AND MAINTAINING BIRD DETERENT SYSTEM

CATEGORY	STATION	LOCATION	999.2000.S INSTALLING AND MAINTAINING BIRD DETERRENT SYSTEM (STATION) (01. STA 72+43'EB') EACH	999.2000.S INSTALLING AND MAINTAINING BIRD DETERRENT SYSTEM (STATION) (02. STA 28+59'NB') EACH
0010	72+43 'EB'	STH 11	1	-
	28+59 'NB'	STH 23	-	1
		TOTAL 0010	1	1

SAWING ASPHALT

CATEGORY	STATION	TO	STATION	LOCATION	690.0150 SAWING ASPHALT LF	REMARKS
0010	62+15 'EB'			STH 11	34	
	73+96 'EB'			STH 11	34	
	74+35 'EB'			STH 11	35	
	18+00 'NB'			CTH P	22	
	33+57 'NB'			STH 23	24	
	65+75 'EB'	-	70+30 'EB'	STH 11, RT	445	STAGE 1
	66+94 'EB'	-	71+65 'EB'	STH 11, LT	460	STAGE 1
	67+90 'EB'	-	68+85 'EB'	STH 11	48	STAGE 1 CULVERTS
	70+75 'EB'	-	71+28 'EB	STH 11	48	STAGE 1 CULVERTS
	72+10 'EB'	-	72+80 'EB'	STH 11	48	STAGE 1 CULVERTS
	58+79 'EB'	-	62+15 'EB'	STH 11, LT	340	STAGE 3 SHOULDER
	73+95 'EB'	-	77+44 'EB'	STH 11, LT	350	STAGE 3 SHOULDER
	58+96 'EB'	-	62+47 'EB'	STH 11, RT	350	STAGE 4 SHOULDER
	70+43 'EB'	-	77+14 'EB'	STH 11, RT	670	STAGE 4 SHOULDER
				TOTAL 0010	2,908	

LANDMARK REFERENCE MONUMENTS

CATEGORY	STATION	OFFSET	LOCATION	SPV.0060 SPECIAL (01. LANDMARK REFERENCE MONUMENTS) EACH
0010	10+99 'C'	30.94' RT	STH 11 RAB	1
			TOTAL 0010	1

STAKING ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF	650.9911 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) (01. 1706-03-72) EACH	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
0010	57+15 'EB'	-	67+38 'EB'	STH 11, WEST LEG	7	1,071	64	1,007	-	1,788
	69+22 'EB'	-	78+96 'EB'	STH 11, EAST LEG	3	974	20	954	-	1,706
	17+75 'NB'	-	26+60 'NB'	CTH P, SOUTH LEG	8	1,751	450	1,301	-	1,751
	28+41 'NB'	-	33+82 'NB'	STH 23, NORTH LEG	8	1,058	20	1,038	-	1,058
	10+00 'C'	-	13+77 'C'	STH 11 RAB	7	377	-	377	-	-
	57+43 'EB'	-	78+80 'EB'	STAGE 2	1	-	1,926	-	-	1,926
	57+61 'EB'	-	78+50 'EB'	STAGE 3	-	-	1,886	-	-	1,886
				PROJECT WIDE	-	-	-	-	1	-
				TOTAL 0010	34	5,231	4,366	4,677	1	10,115

STAKING ELECTRICAL

CATEGORY	LOCATION	650.8501 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (PROJECT) (01. 1706-03-72) EACH
0010	PROJECT	1
TOTAL 0010		1

PULL BOXES NON-CONDUCTIVE 24X42-INCH

CATEGORY	DESCRIPTION	LOCATION	653.0164 PULL BOXES NON-CONDUCTIVE 24X42-INCH EACH
0010	LPB-1	26+63.83 NB, 30.5' RT	1
	LPB-2	26+21.54 NB, 23.8' RT	1
	LPB-3	26+29.51 SB, 23.2' LT	1
	LPB-4	67+00.90 EB, 28.9' RT	1
	LPB-5	67+01.01 WB, 26.1' LT	1
	LPB-6	28+78.22 SB, 24.6' LT	1
	LPB-7	28+75.55 NB, 25.6' RT	1
	LPB-8	69+68.58 WB, 26.3' LT	1
	LPB-9	69+62.25 EB, 22.6' RT	1
	LPB-10	12+00.63 RAB, 33.3' LT	1
TOTAL 0010			10

LIGHTING CONTROL CABINET AND BASES

CATEGORY	DESCRIPTION	LOCATION	654.0224 CONCRETE CONTROL CABINET BASES TYPE L24 EACH	656.0201 ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) (01. STA 26+71'NB') EACH	659.2124 LIGHTING CONTROL CABINETS 120/240 24-INCH EACH
0010	LCC A	26+71.59 NB, 51.8' RT	1	1	1
TOTAL 0010			1	1	1

CONDUIT RIGID NONMETALLIC SCHEDULE 40 AND ELECTRICAL WIRE LIGHTING

CATEGORY	FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0605 CONDUIT SPECIAL 2-INCH LF	655.0620 ELECTRICAL WIRE LIGHTING 8 AWG LF
0010	LCC A	LPB-1	-	54	-	216
	LPB-1	A-1	20	-	-	130
	A-1	LPB-2	13	-	-	133
	LPB-2	A-2	240	-	-	738
	LPB-2	LPB-3	64	-	-	350
	LPB-3	A-3	104	-	-	330
	LPB-3	A-4	51	-	-	399
	A-4	A-5	86	-	-	276
	A-5	LPB-4	13	-	-	95
	LPB-4	A-6	251	-	-	771
	LPB-4	LPB-5	0	-	68	222
	LPB-5	A-7	110	-	-	348
	LPB-5	A-8	57	-	-	315
	A-8	A-9	69	-	-	0
	A-9	LPB-6	16	-	-	110
	LPB-6	A-10	223	-	-	687
	LPB-6	LPB-7	63	-	-	207
	LPB-7	A-11	97	-	-	309
	LPB-7	A-12	55	-	-	305
	A-12	A-13	65	-	-	213
	A-13	LPB-8	21	-	-	189
	LPB-8	A-14	252	-	-	774
	LPB-8	LPB-9	0	-	64	350
	LPB-9	A-15	110	-	-	348
	LPB-9	A-16	61	-	-	469
	A-16	LPB-10	44	-	-	250
	LPB-10	LCC A	-	45	-	189
	CONDUIT STUBS		80	-	-	-
TOTAL 0010			2,165	99	132	8,723

3

CONCRETE BASES TYPE 5

CATEGORY	DESCRIPTION	LOCATION	654.0105 CONCRETE BASES TYPE 5 EACH
0010	A-1	26+37.47 NB, 24.3' RT	1
	A-2	23+90.00 NB, 22.9' RT	1
	A-3	25+23.37 SB, 23.1' LT	1
	A-4	12+76.76 RAB, 36.6' LT	1
	A-5	67+20.04 EB, 31.2' RT	1
	A-6	64+50.08 EB, 30.6' RT	1
	A-7	65+90.27 WB, 26.1' LT	1
	A-8	10+02.03 RAB, 38.4' LT	1
	A-9	28+56.01 SB, 26.8' LT	1
	A-10	30+98.01 SB, 24.0' LT	1
	A-11	29+75.00 NB, 23.9' RT	1
	A-12	10+94.47 RAB, 38.4' LT	1
	A-13	69+39.69 WB, 29.4' LT	1
	A-14	72+15.26 WB, 26.2' LT	1
	A-15	70+75.00 EB, 26.9' RT	1
	A-16	11+83.64 RAB, 35.3' LT	1
	TOTAL 0010		16

LIGHTING UNITS AND ELECTRICAL WIRE LIGHTING

CATEGORY	DESCRIPTION	LOCATION	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0322 POLES TYPE 5-ALUMINUM EACH	657.0710 LUMINAIRE ARMS TRUSS TYPE 4 1/2-INCH CLAMP 12-FT EACH	659.1115 LUMINAIRES UTILITY LED A EACH
0010	A-1	26+37.47 NB, 24.3' RT	156	1	1	1	1
	A-2	23+90.00 NB, 22.9' RT	156	1	1	1	1
	A-3	25+23.37 SB, 23.1' LT	156	1	1	1	1
	A-4	12+76.76 RAB, 36.6' LT	156	1	1	1	1
	A-5	67+20.04 EB, 31.2' RT	156	1	1	1	1
	A-6	64+50.08 EB, 30.6' RT	156	1	1	1	1
	A-7	65+90.27 WB, 26.1' LT	156	1	1	1	1
	A-8	10+02.03 RAB, 38.4' LT	156	1	1	1	1
	A-9	28+56.01 SB, 26.8' LT	156	1	1	1	1
	A-10	30+98.01 SB, 24.0' LT	156	1	1	1	1
	A-11	29+75.00 NB, 23.9' RT	156	1	1	1	1
	A-12	10+94.47 RAB, 38.4' LT	156	1	1	1	1
	A-13	69+39.69 WB, 29.4' LT	156	1	1	1	1
	A-14	72+15.26 WB, 26.2' LT	156	1	1	1	1
	A-15	70+75.00 EB, 26.9' RT	156	1	1	1	1
	A-16	11+83.64 RAB, 35.3' LT	156	1	1	1	1
	TOTAL 0010		2,496	16	16	16	16

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
1706-03-22
SULLSBURG - MONROE
STH 23 INTERSECTION
STH 11
LAFAYETTE COUNTY



CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC.)
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING — TO BE REMOVED
BRIDGE — CULVERT

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN
R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED)

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE	■	○
TELEPHONE POLE	■	○
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)	■	○

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
PARCEL NUMBER (25)
UTILITY NUMBER (40)
PARALLEL OFFSETS

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CERTIFIED SURVEY MAP	CSM	RIGHT	RT
CONCRETE	CONC	RIGHT OF WAY	R/W
COUNTY	CO	SECTION	SEC
COUNTY TRUNK HIGHWAY	CTH	SEPTIC VENT	SEPV
DISTANCE	DIST	SQUARE FEET	SF
CORNER	COR	STATE TRUNK HIGHWAY	STH
DOCUMENT NUMBER	DOC	STATION	STA
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		

CURVE DATA ABBREVIATIONS

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

WATER (W)
GAS (G)
TELEPHONE (T)
OVERHEAD TRANSMISSION LINES (OHT)
ELECTRIC (E)
CABLE TELEVISION (TV)
FIBER OPTIC (FO)
SANITARY SEWER (SAN)
STORM SEWER (St)
ELECTRIC TOWER



THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 1706-03-22

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), LAFAYETTE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS, REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLES) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

AN EASEMENT FOR HIGHWAY PURPOSES (HE), AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

PROPERTY LINES SHOWN ON THIS PLAT FOR PROPERTIES BEING IMPACTED ARE DRAWN FROM DATA DERIVED FROM FILED/RECORDED MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, CENTERLINE OF EXISTING PAVEMENTS AND/OR EXISTING OCCUPATIONAL LINES.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE TPP DETAIL PAGES.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE TPP DETAIL PAGES.

PROJECT NUMBER 1706-03-22 -4.01
SHEET 2 OF 2

FILE NAME: V:\TRANS-MD\470401 STH 11-STH 23\C3D\RW\DWG\2-STH 11-STH 23_TPP_FINAL STAMPED.DWG
PLOT DATE: 10/6/2023 10:29 AM
PLOT BY: LARSON, BENJAMIN

1706-03-22-4.01

TRANSPORTATION PROJECT PLAT NO: 1706-03-22-4.01 AMENDMENT NO: 1

REVISES ACCESS CONTROL FOR PARCEL 3, AMENDS PARCEL 5, REMOVES PARCEL 6, REVISES UTILITY NUMBERS 50 AND 51 OF TRANSPORTATION PROJECT PLAT 1706-03-22-4.01 RECORDED AS DOCUMENT NUMBER 374351.

THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 4 AND THAT PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 9, TOWNSHIP 1 NORTH, RANGE 3 EAST,TOWN OF SHULLSBURG, THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 3 AND THAT PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 10, TOWNSHIP 1 NORTH, RANGE 3 EAST, TOWN OF GRATIOT, ALL IN LAFAYETTE COUNTY, WISCONSIN.

RELOCATION ORDER: STH 11, SHULLSBURG - MONROE, STH 23 INTERSECTION, LAFAYETTE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

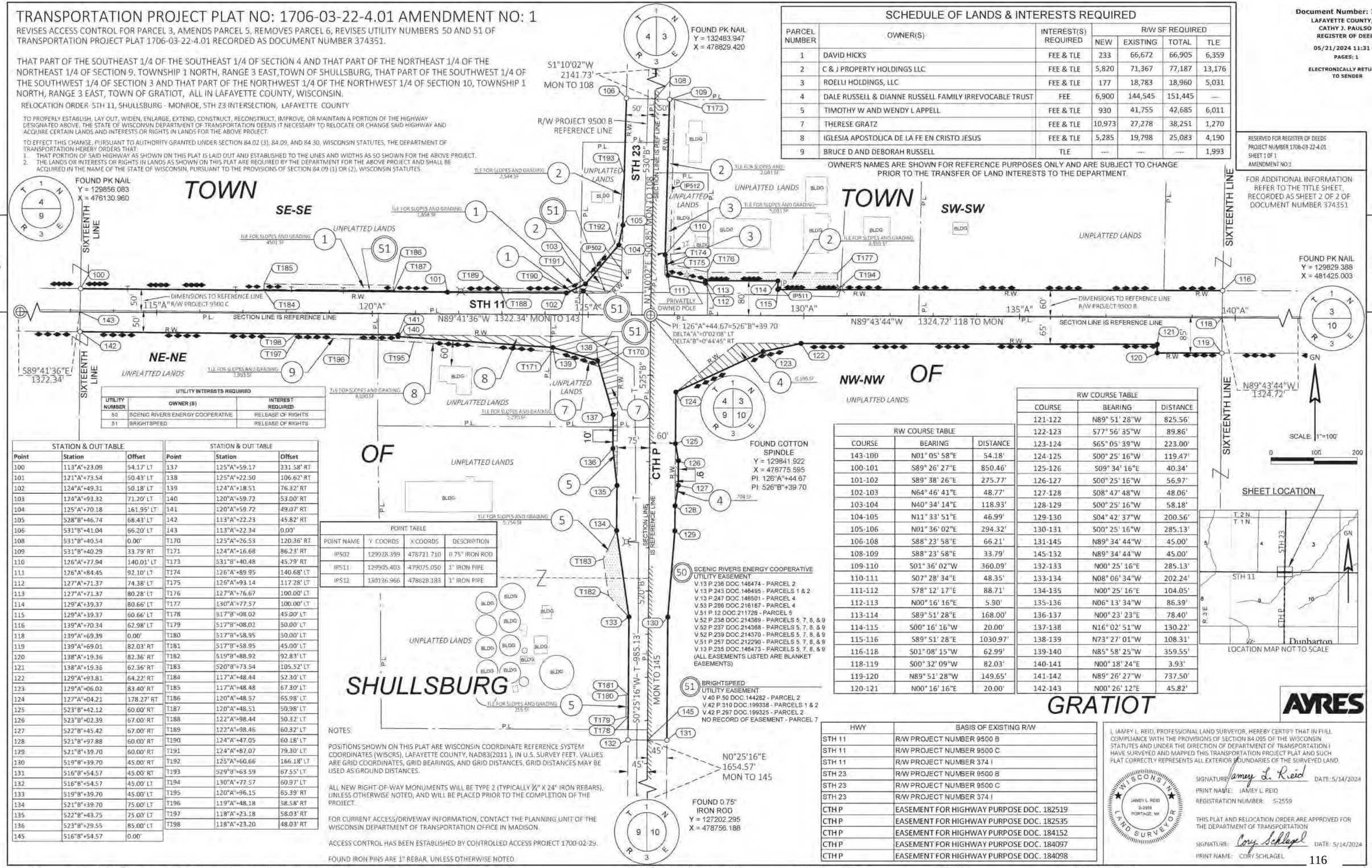
PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	R/W SF REQUIRED			
			NEW	EXISTING	TOTAL	TLE
1	DAVID HICKS	FEE & TLE	233	66,672	66,905	6,359
2	C & J PROPERTY HOLDINGS LLC	FEE & TLE	5,820	71,367	77,187	13,176
3	ROELLI HOLDINGS, LLC	FEE & TLE	177	18,783	18,960	5,031
4	DALE RUSSELL & DIANNE RUSSELL FAMILY IRREVOCABLE TRUST	FEE	6,900	144,545	151,445	---
5	TIMOTHY W AND WENDY L APPELL	FEE & TLE	930	41,755	42,685	6,011
7	THERESE GRATZ	FEE & TLE	10,973	27,278	38,251	1,270
8	IGLESIA APOSTOLICA DE LA FE EN CRISTO JESUS	FEE & TLE	5,285	19,798	25,083	4,190
9	BRUCE D AND DEBORAH RUSSELL	TLE	---	---	---	1,993

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

Document Number: 376011
LAFAYETTE COUNTY, WI
CATHY J. PAULSON
REGISTER OF DEEDS
05/21/2024 11:31 AM
PAGES: 1
ELECTRONICALLY RETURNED TO SENDER

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1706-03-22-4.01
SHEET 1 OF 1
AMENDMENT NO:1

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT NUMBER 374351



UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
50	SCENIC RIVERS ENERGY COOPERATIVE	RELEASE OF RIGHTS
51	BRIGHTSPEED	RELEASE OF RIGHTS

STATION & OUT TABLE		
Point	Station	Offset
100	113"A"+23.09	54.17' LT
101	121"A"+73.54	50.43' LT
102	124"A"+49.31	50.18' LT
103	124"A"+93.32	71.20' LT
104	125"A"+70.18	161.95' LT
105	528"B"+46.74	68.43' LT
106	531"B"+41.04	66.20' LT
108	531"B"+40.54	0.00'
109	531"B"+40.29	33.79' RT
110	126"A"+77.94	140.01' LT
111	126"A"+84.45	92.10' LT
112	127"A"+71.37	74.38' LT
113	127"A"+71.37	80.28' LT
114	129"A"+39.37	80.66' LT
115	129"A"+39.37	60.66' LT
116	139"A"+70.34	62.98' LT
118	139"A"+69.39	0.00'
119	139"A"+69.01	82.03' RT
120	138"A"+19.36	82.36' RT
121	138"A"+19.36	62.36' RT
122	129"A"+93.81	64.22' RT
123	129"A"+06.02	83.40' RT
124	127"A"+04.21	178.27' RT
125	523"B"+42.12	60.00' RT
126	523"B"+02.39	67.00' RT
127	522"B"+45.42	67.00' RT
128	521"B"+97.88	60.00' RT
129	521"B"+39.70	60.00' RT
130	519"B"+39.70	45.00' RT
131	516"B"+54.57	45.00' RT
132	516"B"+54.57	45.00' LT
133	519"B"+39.70	45.00' LT
134	521"B"+39.70	75.00' LT
135	522"B"+43.75	75.00' LT
136	523"B"+29.55	85.00' LT
145	516"B"+54.57	0.00'

STATION & OUT TABLE		
Point	Station	Offset
137	125"A"+59.17	231.58' RT
138	125"A"+22.50	106.62' RT
139	124"A"+18.51	76.32' RT
140	120"A"+59.72	53.00' RT
141	120"A"+59.72	49.07' RT
142	113"A"+22.23	45.82' RT
143	113"A"+22.34	0.00'
T170	125"A"+26.53	120.36' RT
T171	124"A"+16.68	86.23' RT
T173	531"B"+40.48	45.79' RT
T174	126"A"+89.95	140.68' LT
T175	126"A"+93.14	117.28' LT
T176	127"A"+76.67	100.00' LT
T177	130"A"+77.57	100.00' LT
T178	517"B"+08.02	45.00' LT
T179	517"B"+08.02	50.00' LT
T180	517"B"+58.95	50.00' LT
T181	517"B"+58.95	45.00' LT
T182	519"B"+88.92	92.83' LT
T183	520"B"+73.54	105.52' LT
T184	117"A"+48.44	52.30' LT
T185	117"A"+48.48	67.30' LT
T186	120"A"+48.57	65.98' LT
T187	120"A"+48.51	50.98' LT
T188	122"A"+98.44	50.32' LT
T189	122"A"+98.46	60.32' LT
T190	124"A"+47.05	60.18' LT
T191	124"A"+87.07	79.30' LT
T192	125"A"+60.66	166.18' LT
T193	529"B"+63.59	67.55' LT
T194	130"A"+77.57	60.97' LT
T195	120"A"+96.15	65.39' RT
T196	119"A"+48.18	58.58' RT
T197	118"A"+23.18	58.03' RT
T198	118"A"+23.20	48.03' RT

POINT TABLE			
POINT NAME	Y COORDS	X COORDS	DESCRIPTION
IP502	129928.399	478721.710	0.75" IRON ROD
IP511	129905.403	479075.050	1" IRON PIPE
IP512	130136.966	478828.183	1" IRON PIPE

RW COURSE TABLE		
COURSE	BEARING	DISTANCE
143-100	N01° 05' 58"E	54.18'
100-101	S89° 26' 27"E	850.46'
101-102	S89° 38' 26"E	275.77'
102-103	N64° 46' 41"E	48.77'
103-104	N40° 34' 14"E	118.93'
104-105	N11° 33' 51"E	46.99'
105-106	N01° 36' 02"E	294.32'
106-108	S88° 23' 58"E	66.21'
108-109	S88° 23' 58"E	33.79'
109-110	S01° 36' 02"W	360.09'
110-111	S07° 28' 34"E	48.35'
111-112	S78° 12' 17"E	88.71'
112-113	N00° 16' 16"E	5.90'
113-114	S89° 51' 28"E	168.00'
114-115	S00° 16' 16"W	20.00'
115-116	S89° 51' 28"E	1030.97'
116-118	S01° 08' 15"W	62.99'
118-119	S00° 32' 09"W	82.03'
119-120	N89° 51' 28"W	149.65'
120-121	N00° 16' 16"E	20.00'

RW COURSE TABLE		
COURSE	BEARING	DISTANCE
121-122	N89° 51' 28"W	825.56'
122-123	S77° 56' 35"W	89.86'
123-124	S65° 05' 39"W	223.00'
124-125	S00° 25' 16"W	119.47'
125-126	S09° 34' 16"E	40.34'
126-127	S00° 25' 16"W	56.97'
127-128	S08° 47' 48"W	48.06'
128-129	S00° 25' 16"W	58.18'
129-130	S04° 42' 37"W	200.56'
130-131	S00° 25' 16"W	285.13'
131-145	N89° 34' 44"W	45.00'
145-132	N89° 34' 44"W	45.00'
132-133	N00° 25' 16"E	285.13'
133-134	N08° 06' 34"W	202.24'
134-135	N00° 25' 16"E	104.05'
135-136	N06° 13' 34"W	86.39'
136-137	N00° 23' 23"E	78.40'
137-138	N16° 02' 51"W	130.22'
138-139	N73° 27' 01"W	108.31'
139-140	N85° 58' 25"W	359.55'
140-141	N00° 18' 24"E	3.93'
141-142	N89° 27' 27"W	737.50'
142-143	N00° 26' 12"E	45.82'

50 SCENIC RIVERS ENERGY COOPERATIVE UTILITY EASEMENT
V.13 P.236 DOC.146474 - PARCEL 2
V.13 P.243 DOC.146495 - PARCELS 1 & 2
V.13 P.247 DOC.148501 - PARCEL 4
V.53 P.286 DOC.216187 - PARCEL 4
V.51 P.12 DOC.211726 - PARCEL 5
V.52 P.238 DOC.214369 - PARCELS 5, 7, 8, & 9
V.52 P.237 DOC.214368 - PARCELS 5, 7, 8, & 9
V.52 P.239 DOC.214370 - PARCELS 5, 7, 8, & 9
V.51 P.257 DOC.212290 - PARCELS 5, 7, 8, & 9
V.13 P.235 DOC.146473 - PARCELS 5, 7, 8, & 9
(ALL EASEMENTS LISTED ARE BLANKET EASEMENTS)

51 BRIGHTSPEED UTILITY EASEMENT
V.40 P.50 DOC.144282 - PARCEL 2
V.42 P.310 DOC.199338 - PARCELS 1 & 2
V.42 P.297 DOC.199325 - PARCEL 2
NO RECORD OF EASEMENT - PARCEL 7

HWY	BASIS OF EXISTING R/W
STH 11	R/W PROJECT NUMBER 9500 B
STH 11	R/W PROJECT NUMBER 9500 C
STH 11	R/W PROJECT NUMBER 374 I
STH 23	R/W PROJECT NUMBER 9500 B
STH 23	R/W PROJECT NUMBER 9500 C
STH 23	R/W PROJECT NUMBER 374 I
CTH P	EASEMENT FOR HIGHWAY PURPOSE DOC. 182519
CTH P	EASEMENT FOR HIGHWAY PURPOSE DOC. 182535
CTH P	EASEMENT FOR HIGHWAY PURPOSE DOC. 184152
CTH P	EASEMENT FOR HIGHWAY PURPOSE DOC. 184097
CTH P	EASEMENT FOR HIGHWAY PURPOSE DOC. 184098

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), LAFAYETTE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

ACCESS CONTROL HAS BEEN ESTABLISHED BY CONTROLLED ACCESS PROJECT 1700-02-29.

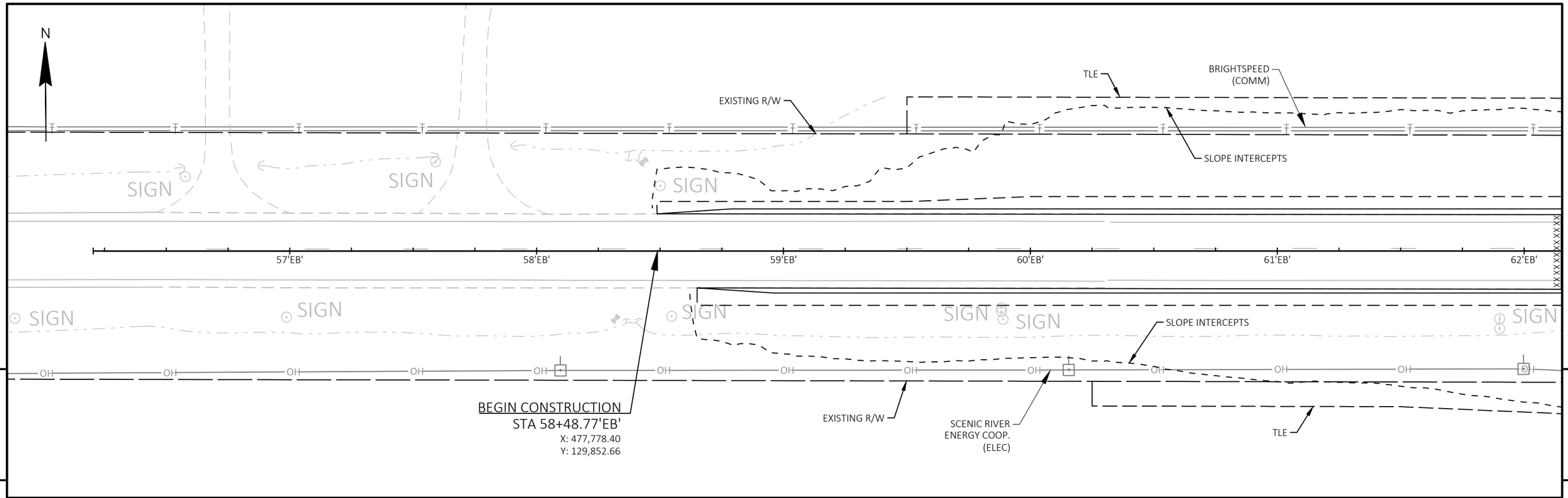
FOUND IRON PINS ARE 1" REBAR, UNLESS OTHERWISE NOTED.

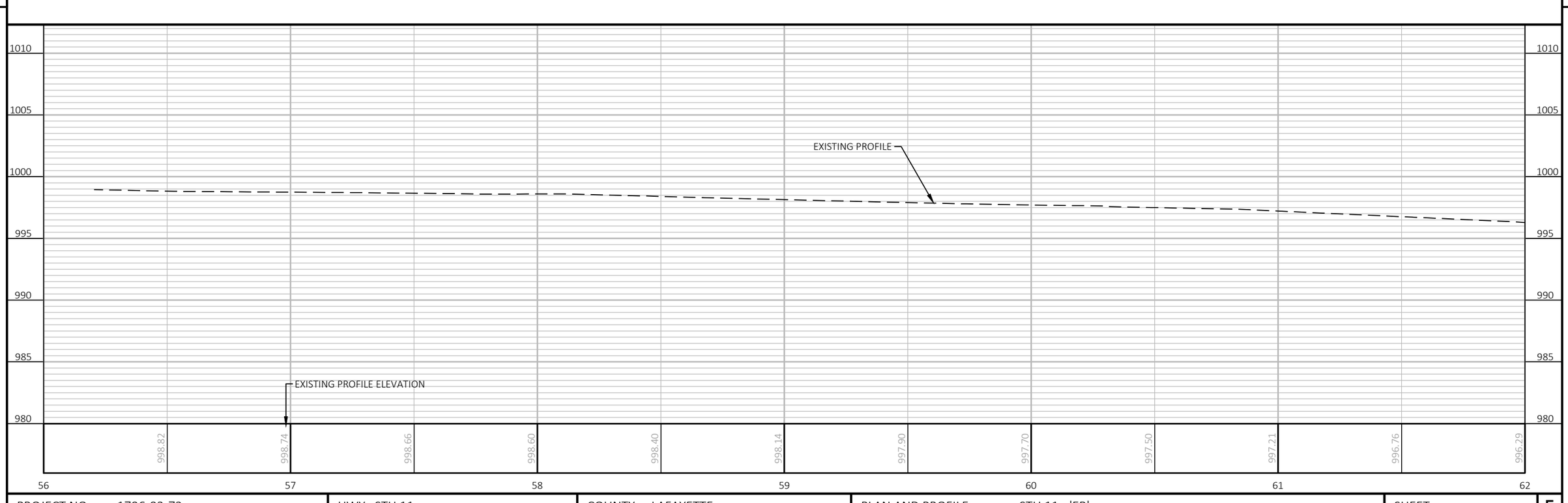
I, JAMEY L. REID, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Jamey L. Reid DATE: 5/14/2024
PRINT NAME: JAMEY L. REID
REGISTRATION NUMBER: S-2559

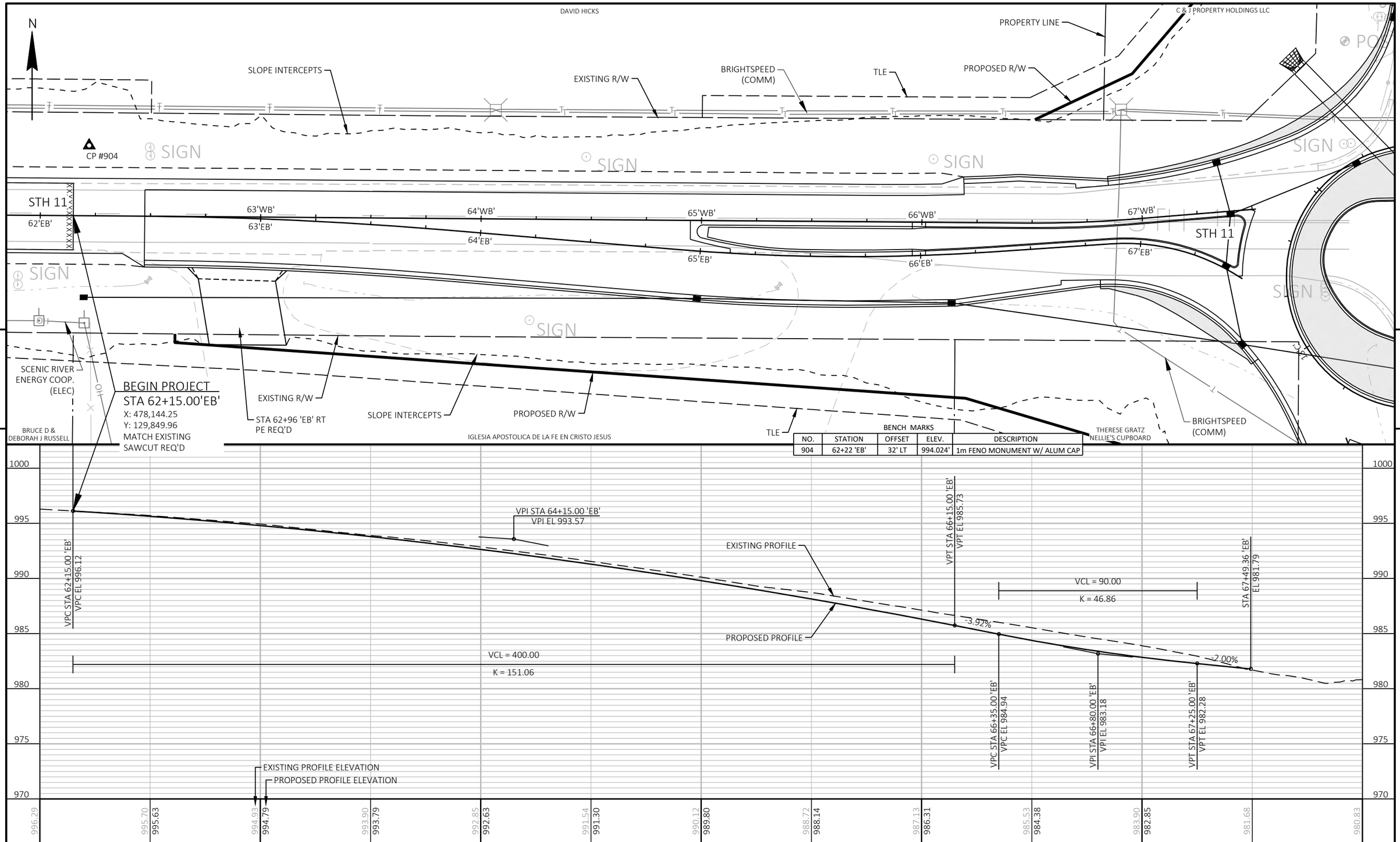
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION
SIGNATURE: Cory Schlagel DATE: 5/14/2024
PRINT NAME: CORY SCHLAGEL

AYRES

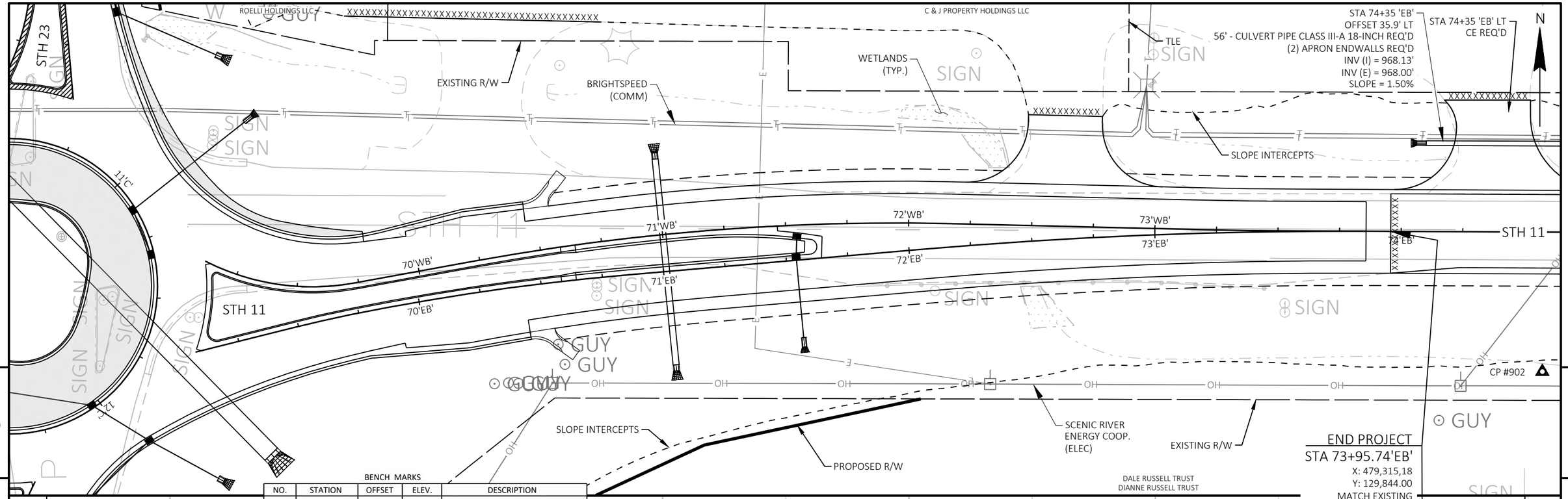




PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PLAN AND PROFILE: STH 11 - 'EB'	SHEET 117	E

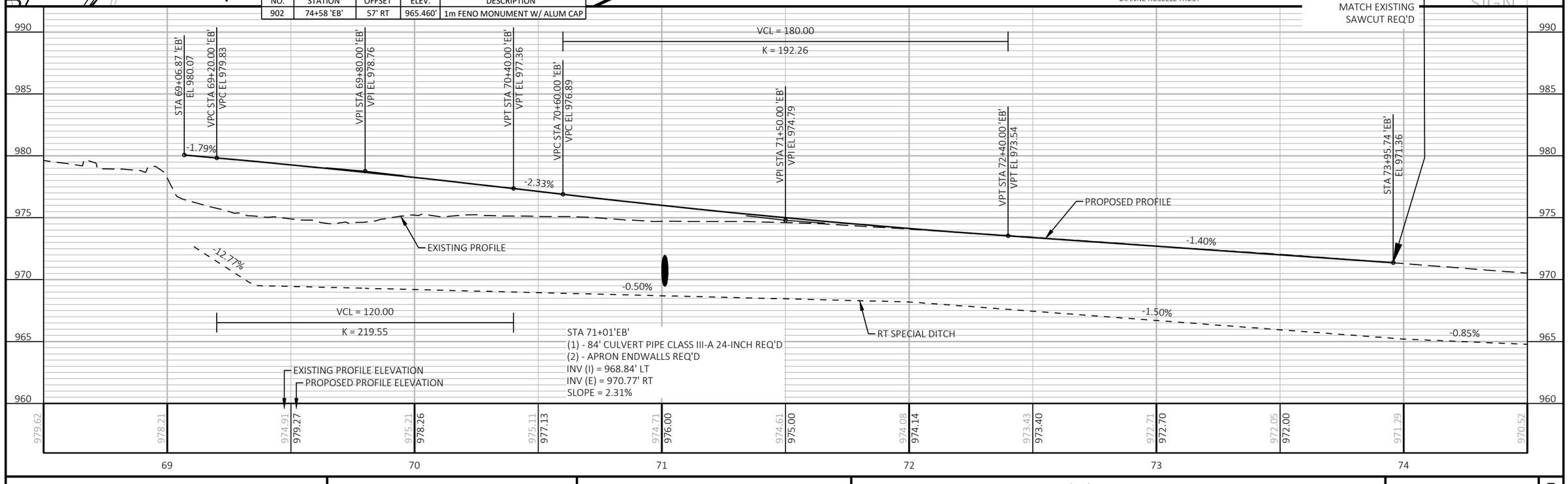


PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PLAN AND PROFILE: STH 11 - 'EB'	SHEET 118	E

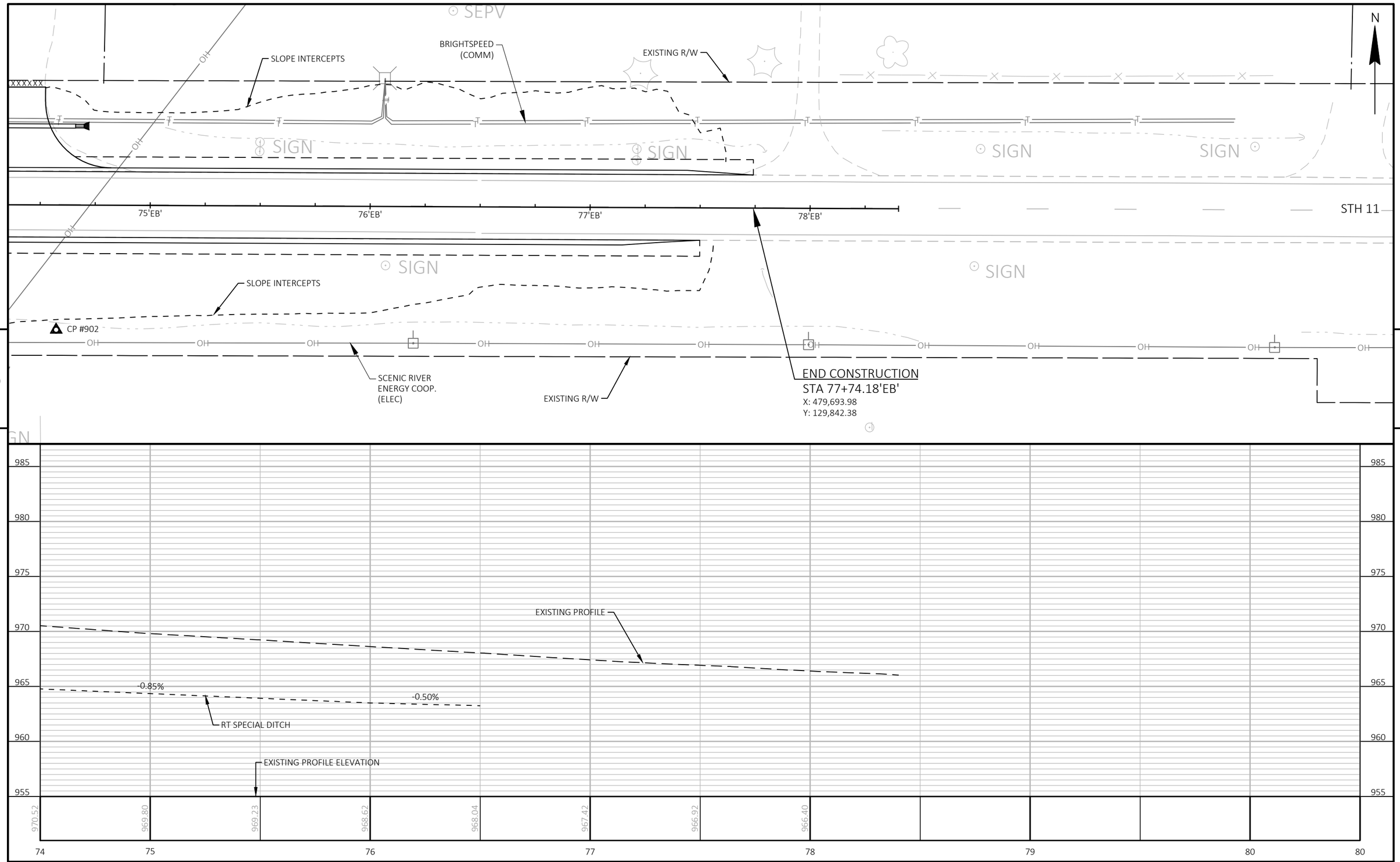


BENCH MARKS

NO.	STATION	OFFSET	ELEV.	DESCRIPTION
902	74+58 'EB'	57' RT	965.460'	1m FENO MONUMENT W/ ALUM CAP



PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PLAN AND PROFILE: STH 11 - 'EB'	SHEET 119	E



PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PLAN AND PROFILE: STH 11 - 'EB'	SHEET 120	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_050101-PP.DWG
LAYOUT NAME - EB04
PLOT DATE : 4/30/2025 10:14 AM
PLOT BY : BUTTERIS, BRADLEY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

DAVID HICKS

C & J PROPERTY HOLDINGS LLC

N

SLOPE INTERCEPTS

BRIGHTSPEED (COMM)

TLE

PROPERTY LINE

PROPOSED R/W

CP #904

SIGN

STH 11

62'EB'

63'WB'

63'EB'

64'WB'

64'EB'

65'WB'

65'EB'

66'WB'

66'EB'

67'WB'

67'EB'

EXISTING R/W

5

BEGIN PROJECT
STA 62+15.00'EB'
X: 478,144.25
Y: 129,849.96
MATCH EXISTING
SAWCUT REQ'D

TLE

PROPOSED R/W

IGLESIA APOSTOLICA DE LA FE EN CRISTO JESUS

THERESE GRATZ
NELLIE'S CUPBOARD

BENCH MARKS

NO.	STATION	OFFSET	ELEV.	DESCRIPTION
904	62+22 'EB'	32' LT	994.024'	1m FENO MONUMENT W/ ALUM CAP

1000
995
990
985
980
975
970

-1.48%

VPC STA 62+15.00 'WB'
VPC EL 996.12

VPI STA 64+15.00 'WB'
VPI EL 993.56

EXISTING PROFILE

PROPOSED PROFILE

VPT STA 66+15.00 'WB'
VPT EL 985.72

-3.92%

VCL = 400.00
K = 151.51

VCL = 90.00
K = 46.83

STA 67+53.90 'WB'
EL 981.41

-2.80%

VPC STA 66+50.00 'WB'
VPC EL 984.35

VPI STA 66+95.00 'WB'
VPI EL 982.59

VPT STA 67+40.00 'WB'
VPT EL 981.69

EXISTING PROFILE ELEVATION
PROPOSED PROFILE ELEVATION

996.29	995.70	995.63	994.94	994.79	993.94	993.79	992.96	992.62	991.70	991.29	990.40	989.79	988.97	988.13	987.36	986.30	985.72	984.35	984.05	982.66	982.12	981.49	980.76

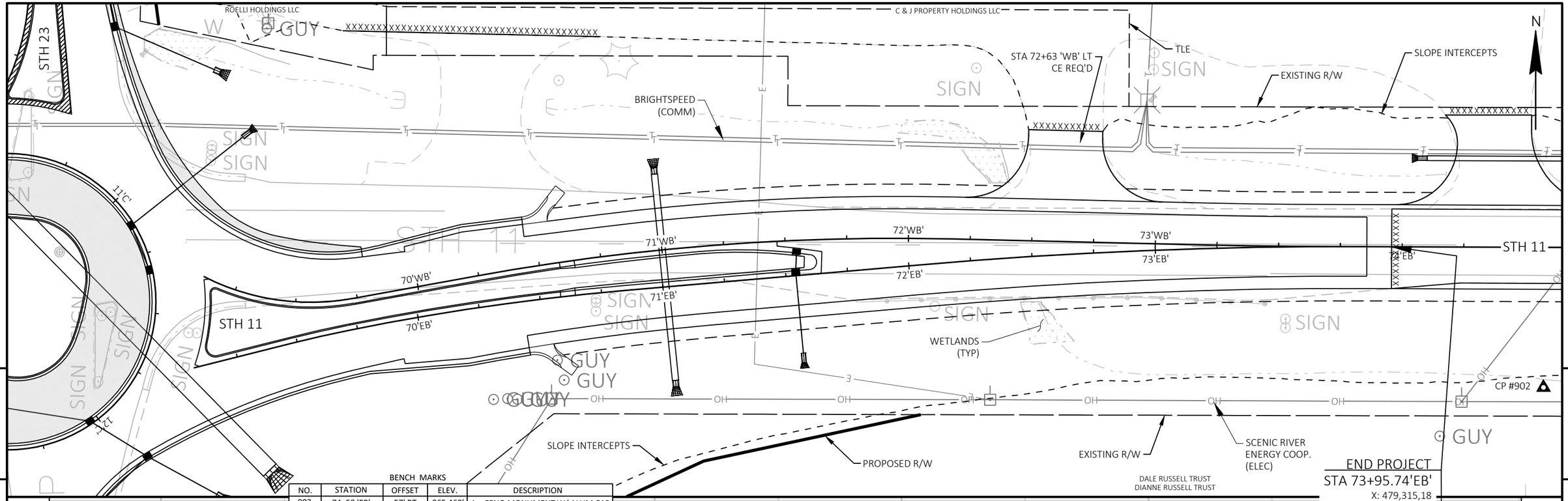
62 63 64 65 66 67 68

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PLAN AND PROFILE: STH 11 - 'WB'	SHEET 121	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_050101-PP.DWG
LAYOUT NAME - WB02

PLOT DATE : 4/30/2025 10:14 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : PLOT SCALE : 1 IN:40 FT

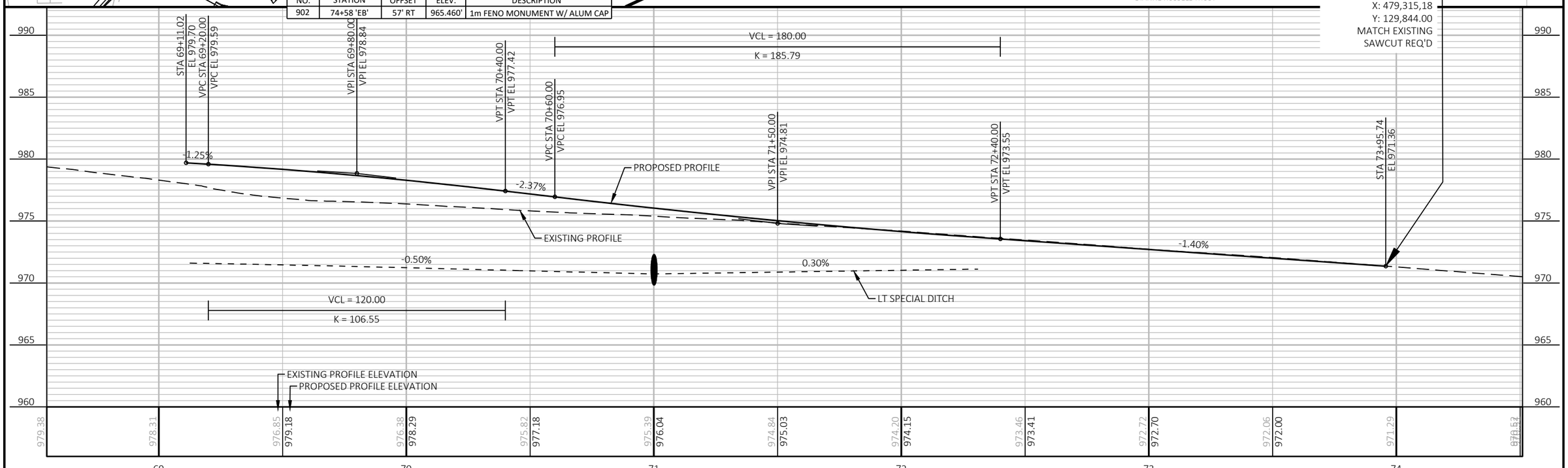
WISDOT/CADDS SHEET 44



BENCH MARKS

NO.	STATION	OFFSET	ELEV.	DESCRIPTION
902	74+58 'EB'	57' RT	965.460'	1m FENO MONUMENT W/ ALUM CAP

END PROJECT
STA 73+95.74'EB'
X: 479,315,18
Y: 129,844.00
MATCH EXISTING
SAWCUT REQ'D



PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PLAN AND PROFILE: STH 11 - 'WB'	SHEET 122	E

BRUCE D & DEBORAH J RUSSELL

TIMOTHY W & WENDY L APPELL

WALTER PAUL MATHYS TRUST

N

PROPERTY LINE (TYP)

STA 18+56 'NB'
OFFSET 32.0' LT
50' - CULVERT PIPE CLASS III-A 18-INCH REQ'D
(2) APRON ENDWALLS REQ'D
INV (I) = 984.43'
INV (E) = 983.11'
SLOPE = 2.64%

STA 18+58 'NB' LT
CE REQ'D

TLE

EXISTING R/W

SLOPE INTERCEPTS

STA 21+30 'NB'
OFFSET 34.3' LT
60' - CULVERT PIPE CLASS III-A 18-INCH REQ'D
(2) APRON ENDWALLS REQ'D
INV (I) = 989.72'
INV (E) = 989.20'
SLOPE = 0.87%

SCENIC RIVER
ENERGY COOP.
(ELEC)

TLE

STA 21+32 'NB' LT
CE REQ'D

STA 21+93 'NB' LT
CE REQ'D

BRIGHTSPEED
(COMM)

REGRADE EXISTING DITCH
(SEE CROSS SECTIONS)

CTH P

17'NB' 18'NB' 19'NB' 20'NB' 21'NB' 22'NB'

CTH P

EXISTING R/W

SLOPE INTERCEPTS

SCENIC RIVER
ENERGY COOP.
(ELEC)

CP #903

5

5

BEGIN CONSTRUCTION
STA 18+00.00'NB'
X: 478,774.23
Y: 128,874.47
MATCH EXISTING
SAWCUT REQ'D

DALE RUSSELL TRUST
DIANNE RUSSELL TRUST

BENCH MARKS

NO.	STATION	OFFSET	ELEV.	DESCRIPTION
903	21+70 'NB'	42' RT	994.703'	1m FENO MONUMENT W/ ALUM CAP

VPI STA 21+85.00 'NB'
VPI EL 997.20

EXISTING PROFILE

PROPOSED PROFILE

VPC STA 18+10.00 'NB'
VPC EL 985.82

3.04%

HP STA 21+58.53
HP EL 991.11

VCL = 750.00

K = 114.82

STA 18+00.00 'NB'
EL 985.51

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

1000 995 990 985 980 975 970

982.46	983.04	984.08	985.51	985.51	987.06	986.96	988.57	988.20	990.14	989.21	991.61	990.01	992.81	990.59	993.67	990.96	994.14	991.10	994.32	991.03			

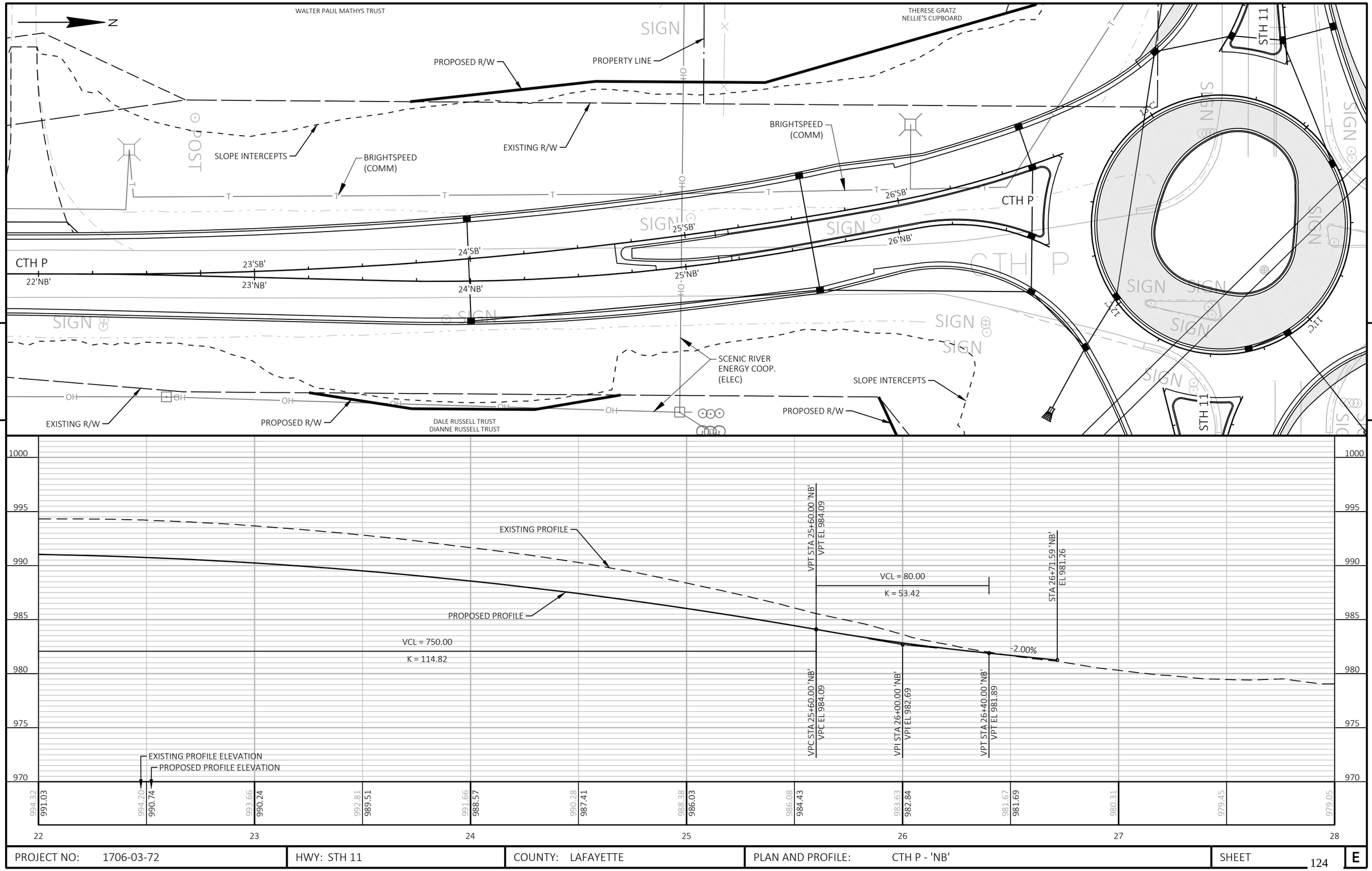
16 17 18 19 20 21 22

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PLAN AND PROFILE: CTH P - 'NB'	SHEET 123	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_050101-PP.DWG
LAYOUT NAME - NB01

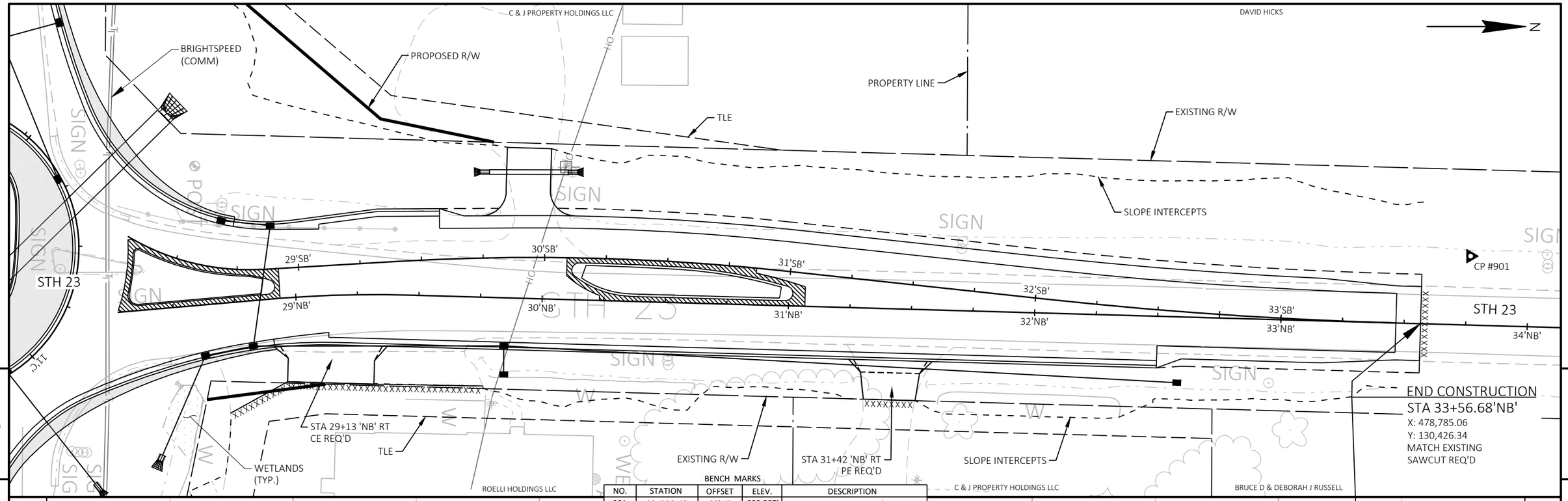
PLOT DATE : 4/30/2025 10:14 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



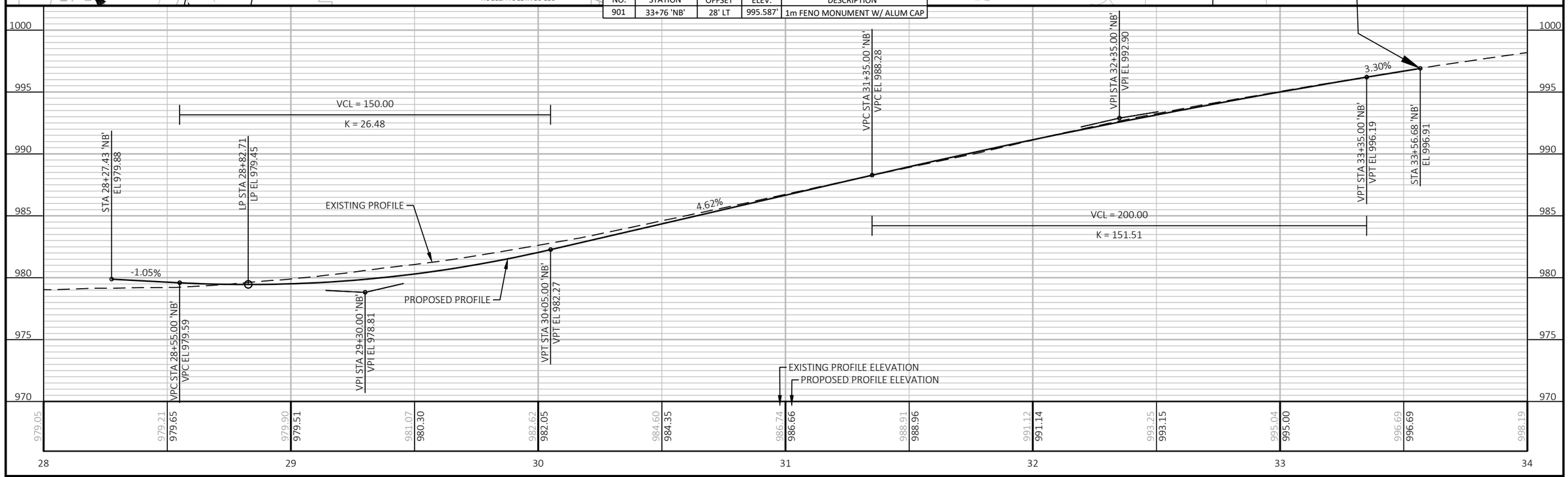
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PLAN AND PROFILE: CTH P - 'NB'	SHEET 124	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_050101-PP.DWG
LAYOUT NAME - NB02
PLOT DATE : 4/30/2025 10:14 AM
PLOT BY : BUTTERIS, BRADLEY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

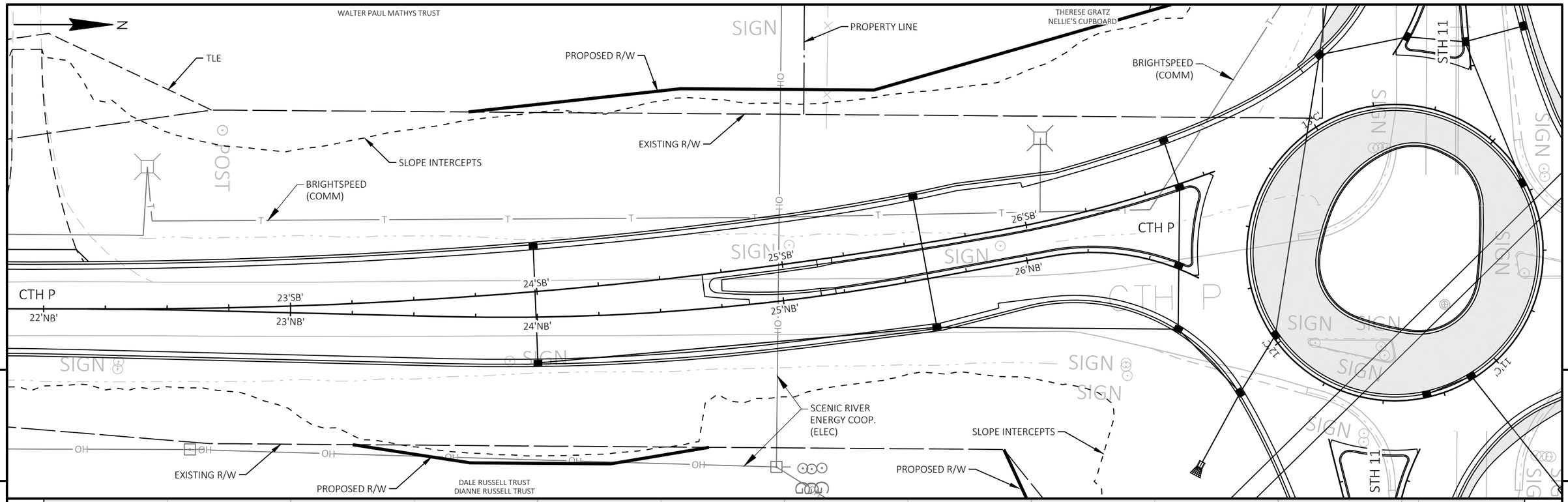


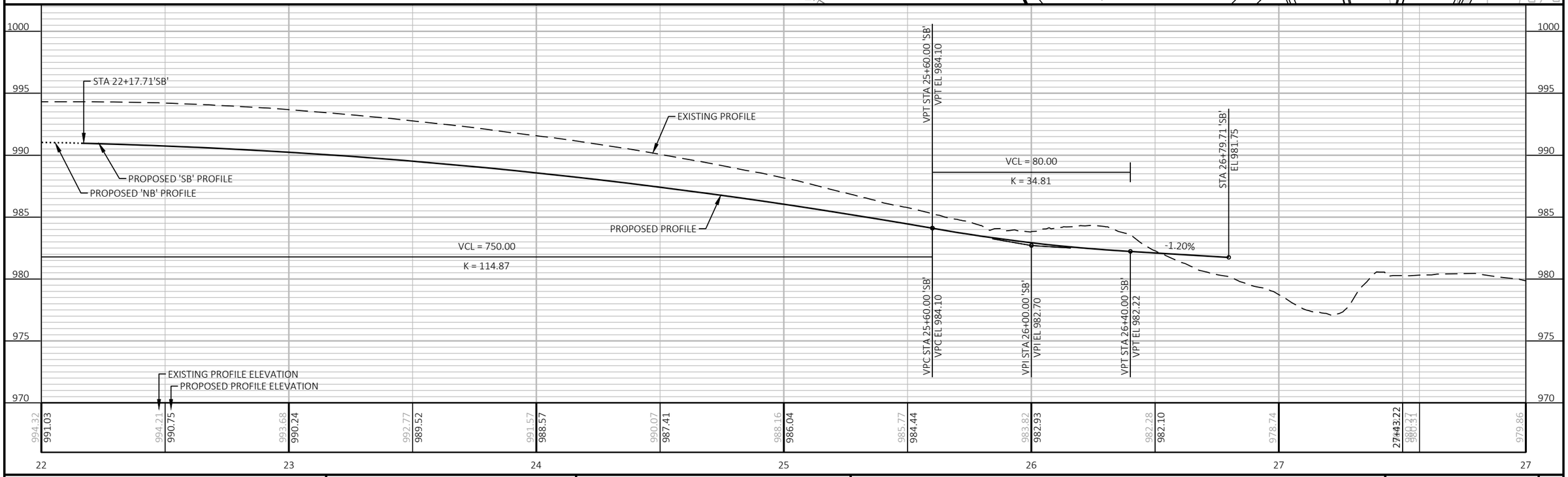
BENCH MARKS

NO.	STATION	OFFSET	ELEV.	DESCRIPTION
901	33+76 'NB'	28' LT	995.587'	1m FENO MONUMENT W/ ALUM CAP



PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PLAN AND PROFILE: STH 23 - 'NB'	SHEET 125	E





PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PLAN AND PROFILE: CTH P - 'SB'	SHEET 126 E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_050101-PP.DWG
LAYOUT NAME - SB02

PLOT DATE : 4/30/2025 10:14 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

BRIGHTSPEED (COMM)

PROPOSED R/W

C & J PROPERTY HOLDINGS LLC

STA 29+94 'SB'
OFFSET 34.6' LT
32' - CULVERT PIPE CLASS III-A 18-INCH REQ'D
(2) APRON ENDWALLS REQ'D
INV (I) = 979.41'
INV (E) = 978.12'
SLOPE = 4.04%

STA 29+94 'SB' LT
PE REQ'D

TLE

DAVID HICKS

PROPERTY LINE (TYP)

EXISTING R/W

SLOPE INTERCEPTS

N

STH 23

29'SB'
29'NB'
30'SB'
30'NB'
31'SB'
31'NB'
32'SB'
32'NB'
33'SB'
33'NB'
34'NB'

CP #901

STH 23

END CONSTRUCTION
STA 33+56.68'NB'
X: 478,785.06
Y: 130,426.34
MATCH EXISTING
SAWCUT REQ'D

WETLANDS (TYP.)

TLE

SLOPE INTERCEPTS

EXISTING R/W

ROELLI HOLDINGS LLC

C & J PROPERTY HOLDINGS LLC

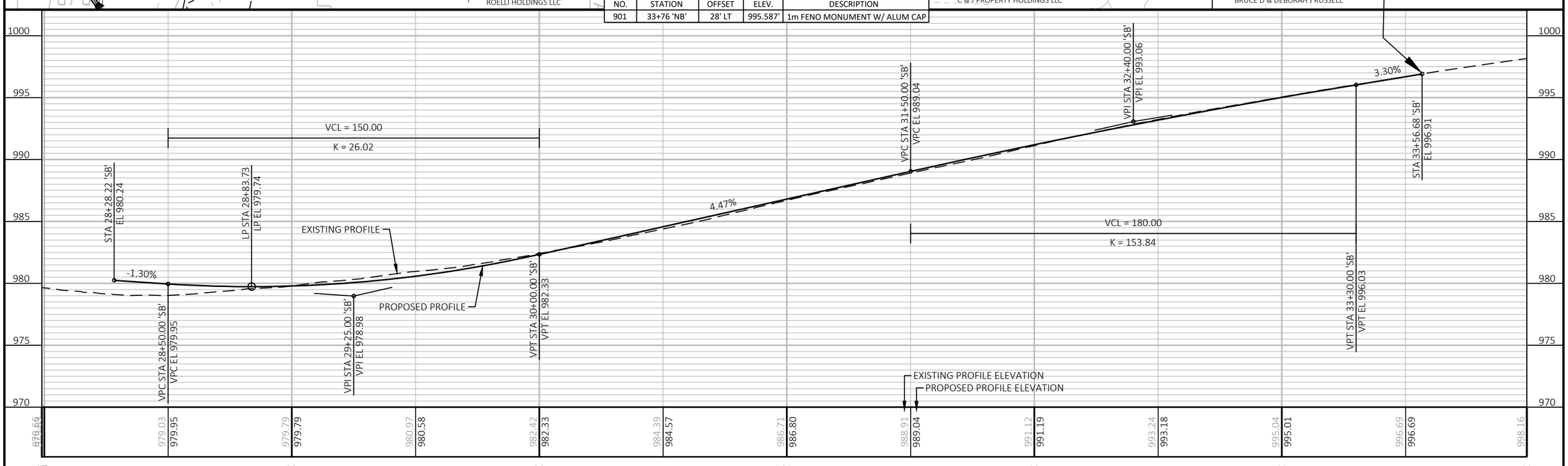
BRUCE D & DEBORAH J RUSSELL

5

5

BENCH MARKS

NO.	STATION	OFFSET	ELEV.	DESCRIPTION
901	33+76 'NB'	28' LT	995.587'	1m FENO MONUMENT W/ ALUM CAP

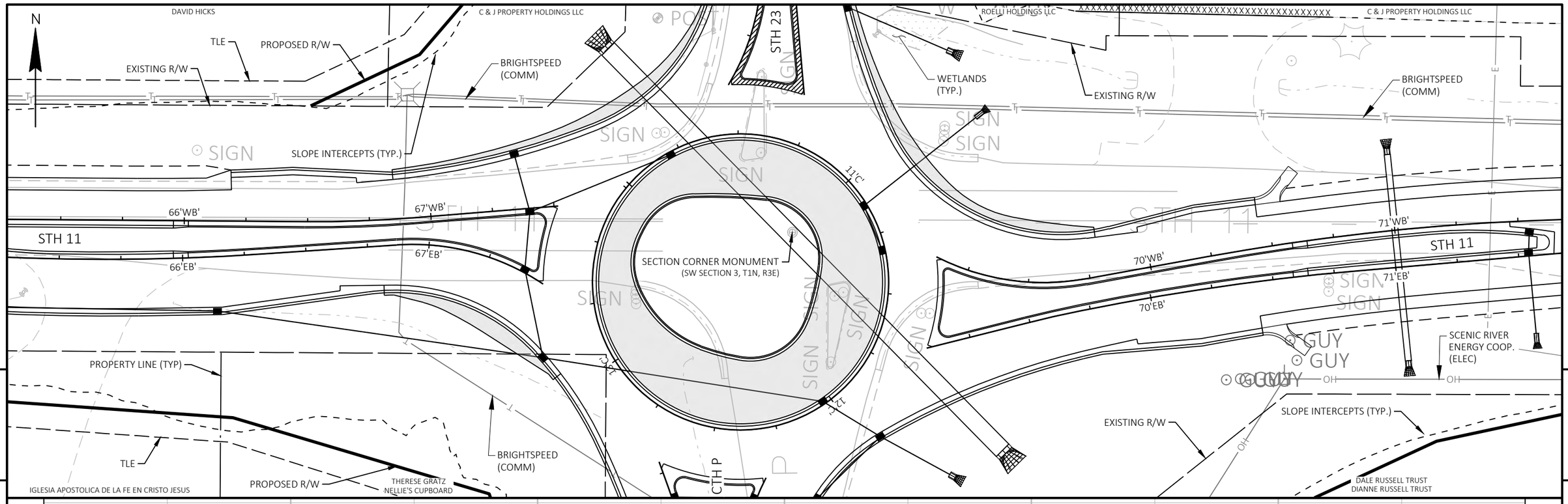


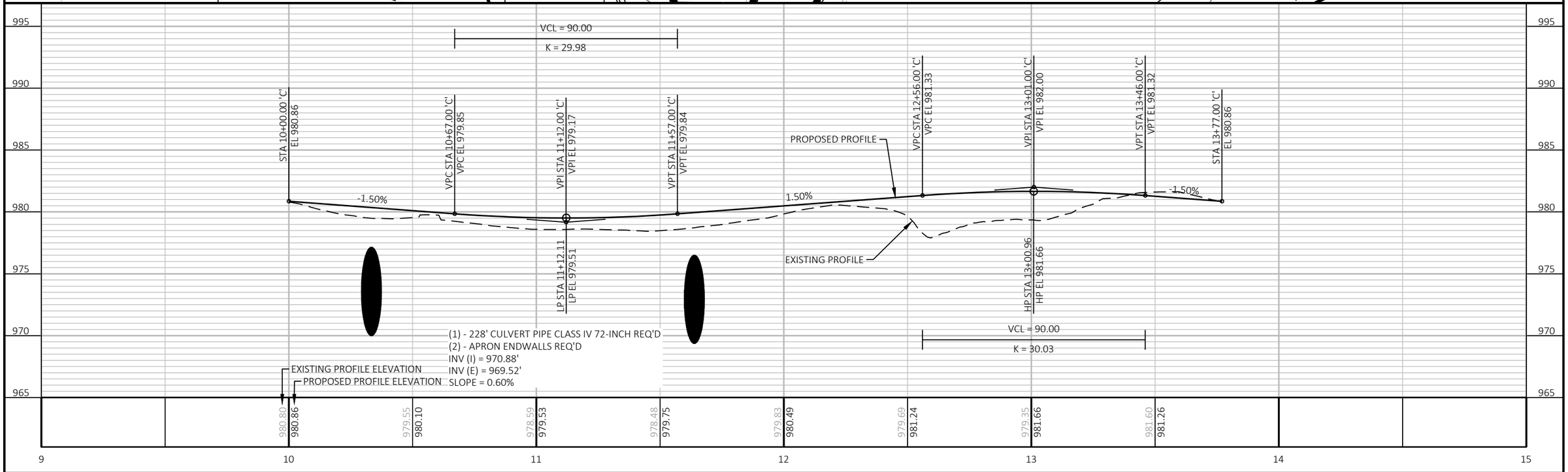
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PLAN AND PROFILE: STH 23 - 'SB'	SHEET 127	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_050101-PP.DWG
LAYOUT NAME - SB03

PLOT DATE : 4/30/2025 10:14 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



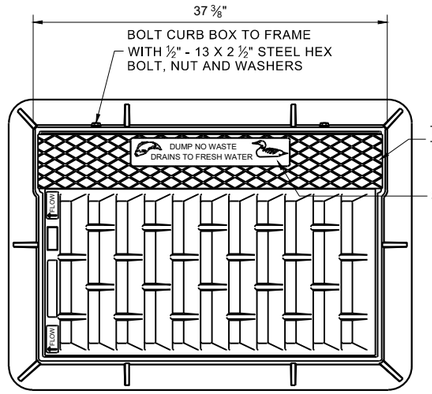


PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PLAN AND PROFILE: STH 11 & 23 RAB	SHEET 128	E

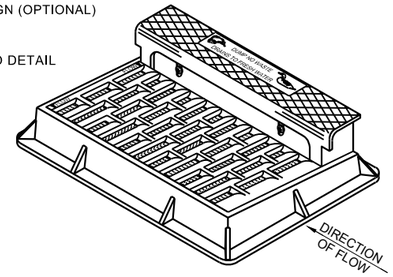
Standard Detail Drawing List

08A05-21A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-21B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-21C	INLET COVERS TYPE F, HM, HM-S, S, T, HM-GJ & HM-GJ-S
08B09-04	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08C06-03	INLETS 3-FT AND 4-FT DIAMETER
08C07-03	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT & 2X3.5-FT
08C08-03	INLETS MEDIAN 1 AND 2 GRATE
08D01-23A	CONCRETE CURB & GUTTER
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-07	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B16-03	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
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
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
09E02-05	FREEWAY LIGHTING UNIT POLE WIRING
11B02-02	CONCRETE MEDIAN NOSE
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C11-14A	RURAL DOWELED CONCRETE PAVEMENT
13C11-14B	RURAL 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
13C18-08E	CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS
13C18-08F	CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER
13C19-03	HMA LONGITUDINAL JOINTS
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-09C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C02-09F	ADVANCED WIDTH RESTRICTION SIGNING
15C02-09H	MODIFIED ROUTE ASSEMBLY FOR DETOUR SIGNING
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-09A	MEDIAN ISLAND MARKINGS
15C18-09B	PAVEMENT MARKINGS, MEDIAN ISLAND NOSE
15C22-01	DOTTED EXTENSION FOR ROUNDABOUT
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D37-03	TRAFFIC CONTROL, 2-LANE ROUNDABOUT
15D40-05B	TRAFFIC CONTROL, FULL LANE SHIFT MULTILANE DIVIDED 50 MPH AND OVER
15D45-03	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
15D48-01	TRAFFIC CONTROL, LANE SHIFT IN FLAGGING OPERATION

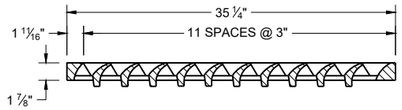
6

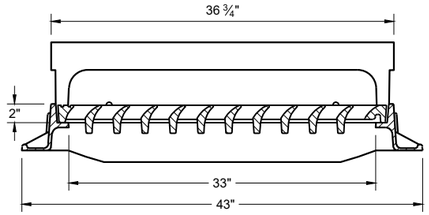


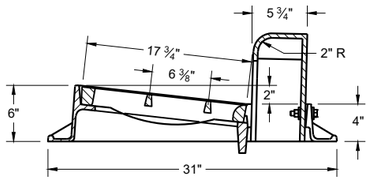
NOTE: EITHER CASTING IS ACCEPTABLE

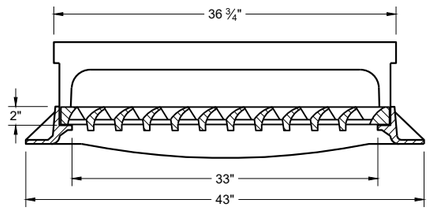


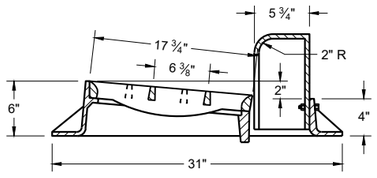
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







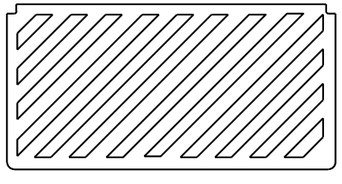




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

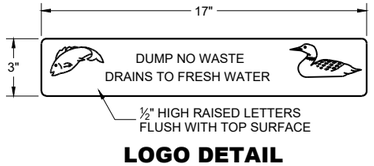
1 1/8" DIAGONAL BARS WITH 1 5/8" OPENINGS



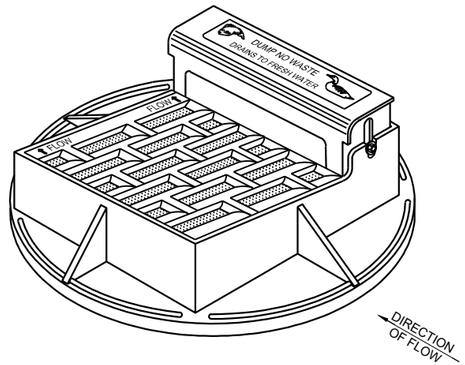
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

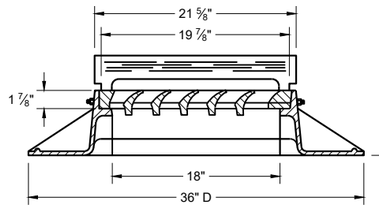


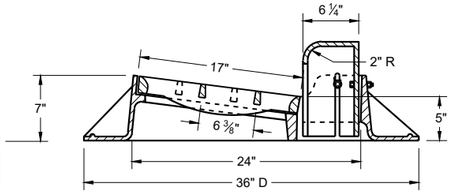
LOGO DETAIL



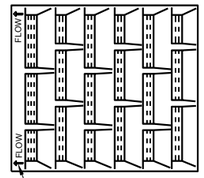
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

NOTE: EITHER CASTING IS ACCEPTABLE

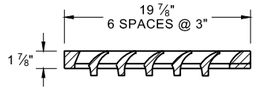




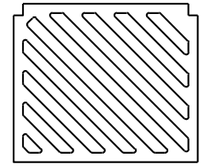
TYPE "A"



DIRECTION OF FLOW ARROWS



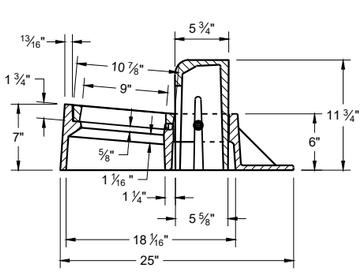
1" DIAGONAL BARS WITH 1 1/2" OPENINGS

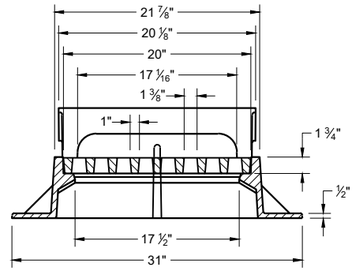


SPECIAL GRATE FOR TYPE "A" COVER

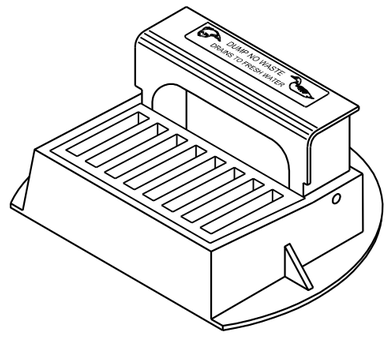
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)





TYPE "Z"



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.

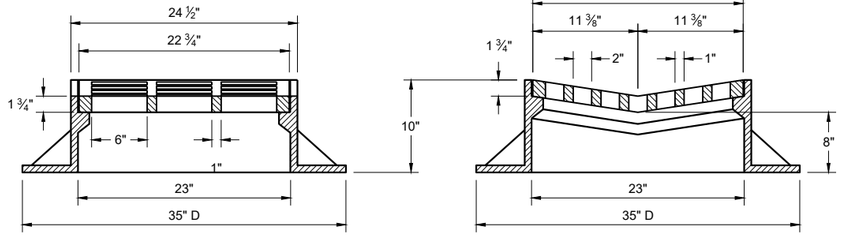
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

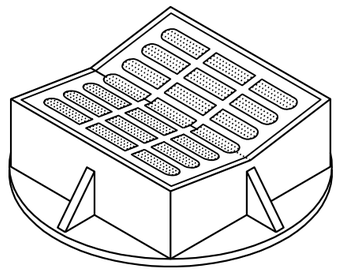
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

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

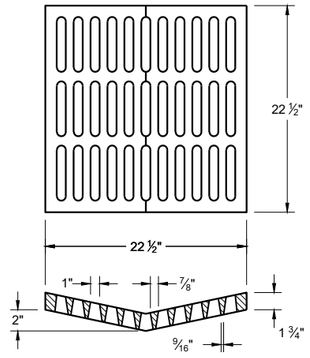
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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





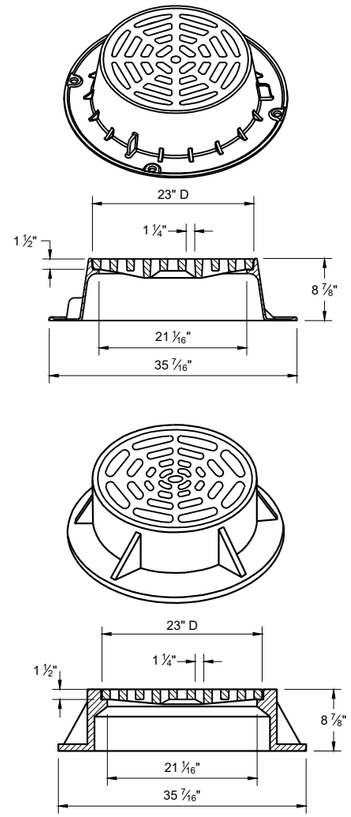
TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS POSSIBLE

NOTED AS TYPE B - A ON THE DRAINAGE TABLE



TYPE "C"

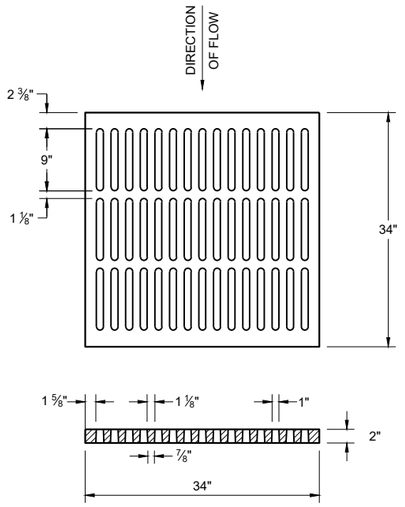
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

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

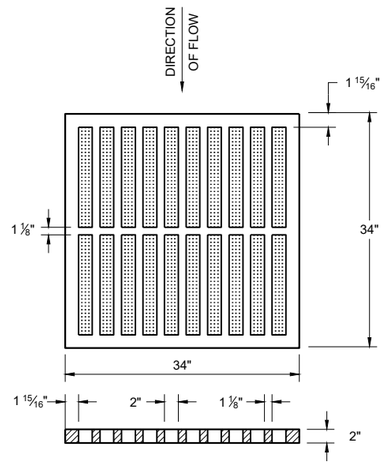
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS PERMITTED

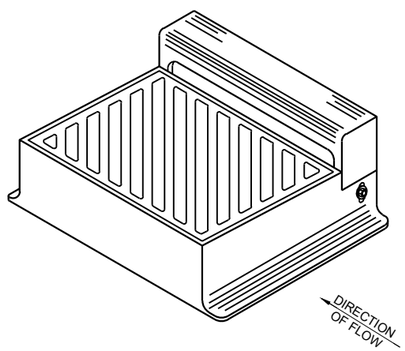
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



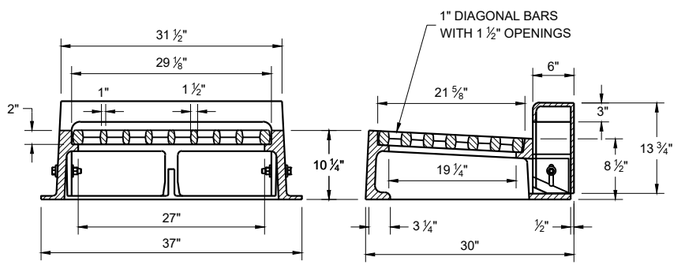
TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON THE DRAINAGE TABLE



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



TYPE "WM"

NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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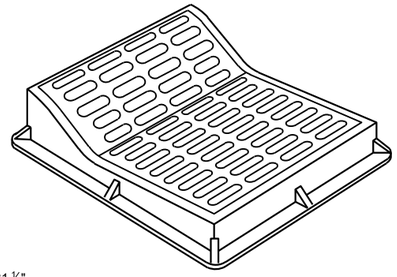
SDD 08A05-21b

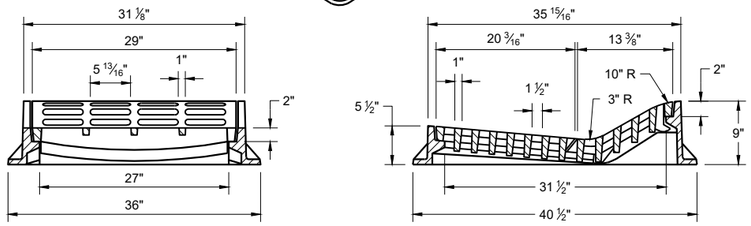
SDD 08A05-21b

GENERAL NOTES

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

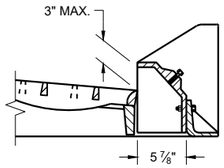
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.





TYPE "F"

USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"

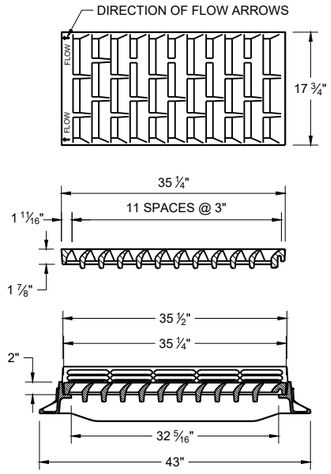


ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

USE WITH TYPES "G" AND "J" CONCRETE CURB AND GUTTER, 30 INCH
NOTED AS TYP "HM-GJ" ON DRAINAGE TABLE

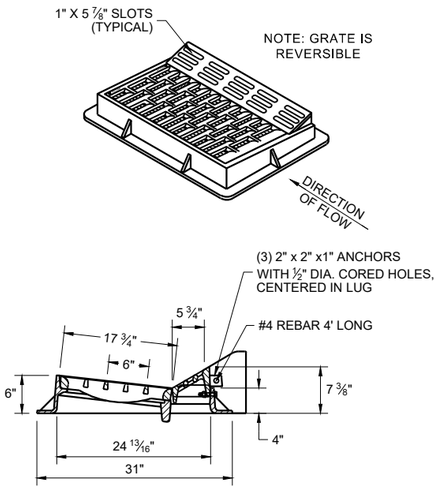
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.



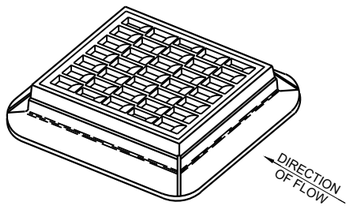
TYPE "HM"

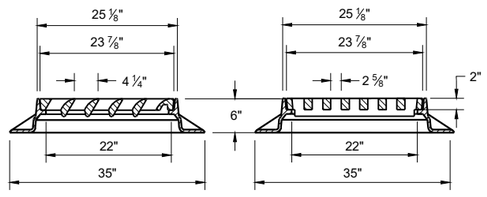
USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"



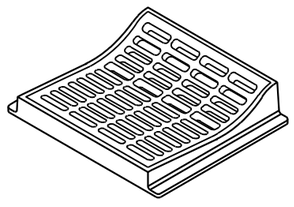
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

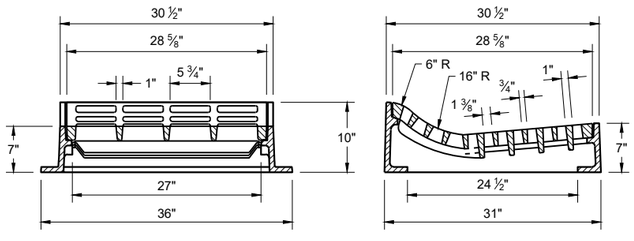
NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.





TYPE "S"





TYPE "T"

USE WITH TYPES "R" AND "T" CONCRETE CURB AND GUTTER, 36"

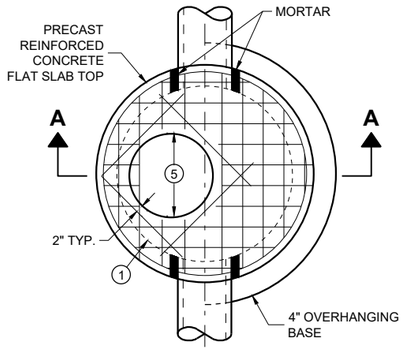
INLET COVERS
TYPES F, HM, HM-S, S, T, HM-GJ AND HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

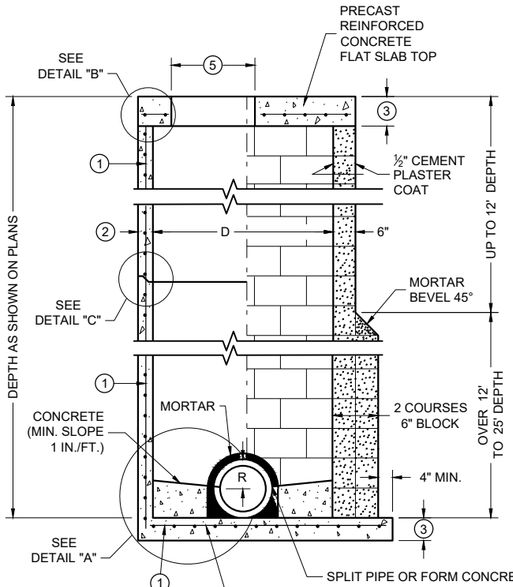
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SDD 08A05-21c



PLAN VIEW

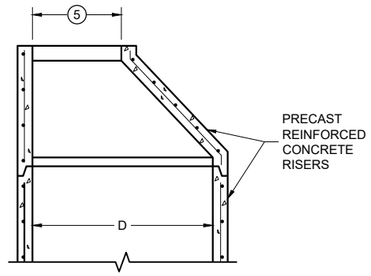
CIRCULAR OPENING



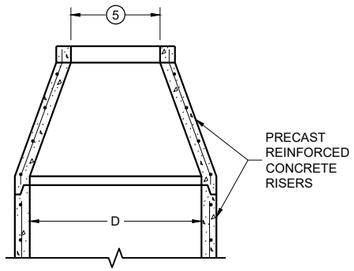
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

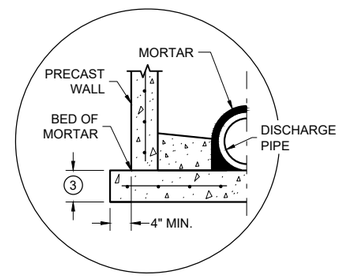
MANHOLE COVER OPENING MATRIX

OPENING SIZE (FT.) (5) \ MANHOLE COVER TYPE	C	ALL J'S	K	L	M
2 DIA.	X	X		X	
3 DIA.			X		X

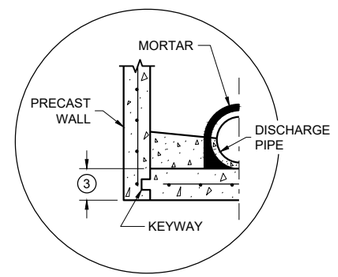
PIPE MATRIX

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

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

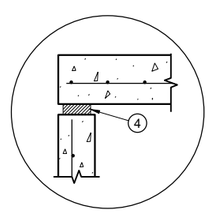


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

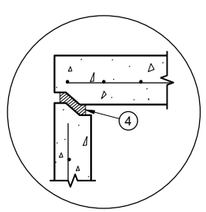


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

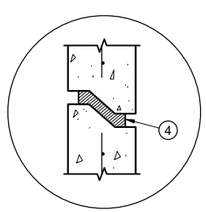
DETAIL "A"



TOP WITH PLAIN END JOINT

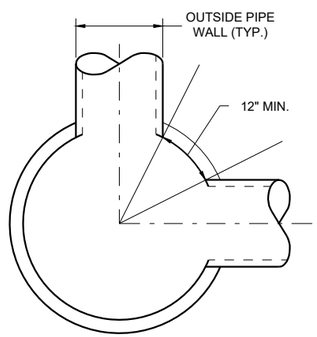


TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

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



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

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 IMENSION 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 AND REINFORCED CONCRETE BASES 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 OR RUBBER GASKETS CONFORMING TO ASTM C443.

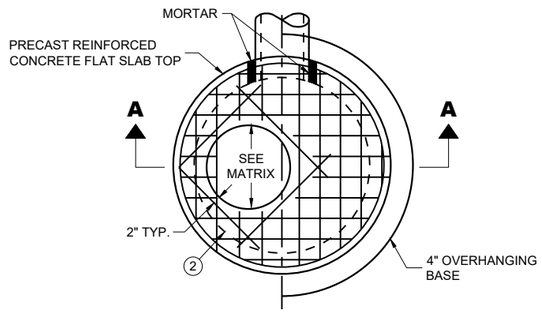
(5) SEE MANHOLE COVER OPENING MATRIX.

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

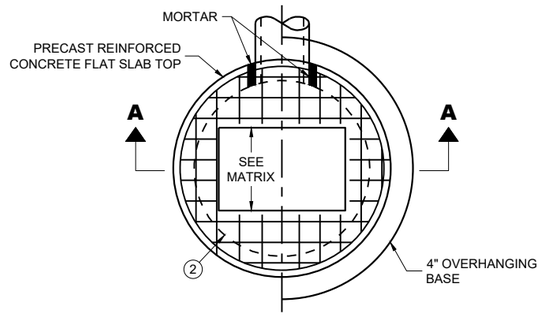
STATE OF WISCONSIN
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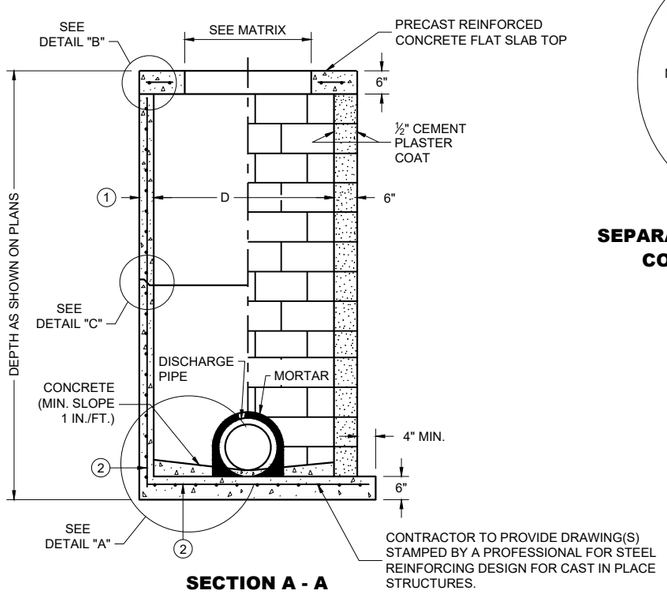
FHWA



PLAN VIEW CIRCULAR OPENING



PLAN VIEW RECTANGULAR OPENING



SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (2)

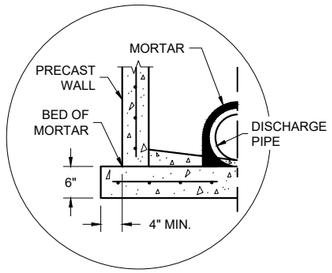
CIRCULAR INLETS WITH FLAT TOP

CATCH BASIN COVER OPENING MATRIX

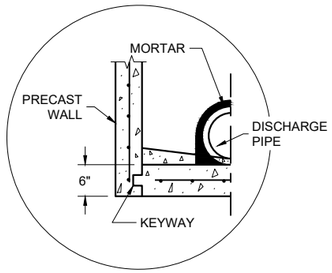
INLET SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT.)											
3-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
4-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
	2 X 2.5			X				X	X	X	X	
	2 X 3						X					
	2.5 X 3					X						

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

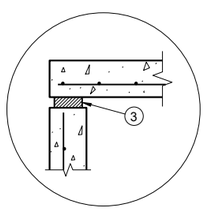


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

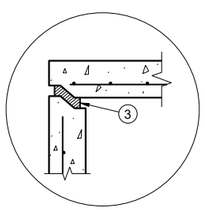


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

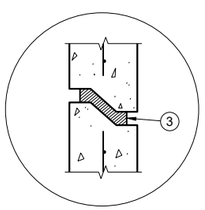
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

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

INLETS 3-FT AND 4-FT DIAMETER

GENERAL NOTES

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

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

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

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

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

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

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

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

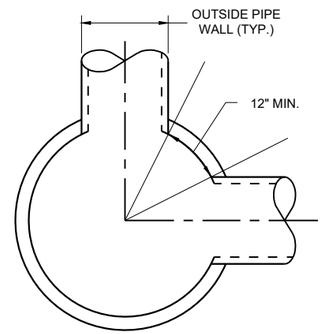
4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

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

(1) MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT DIAMETER AND 5 INCHES FOR 4-FT DIAMTER PRECAST INLETS.

(2) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(3) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

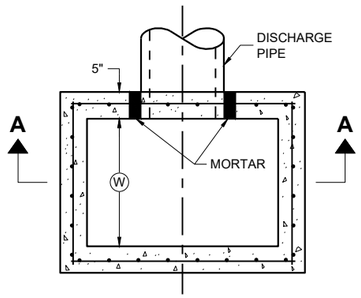
INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

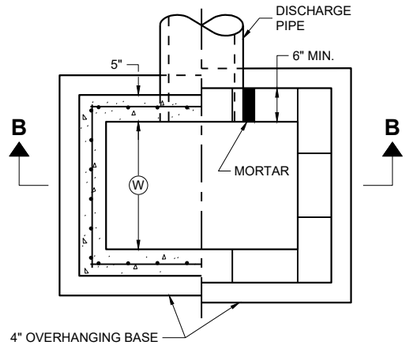
APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

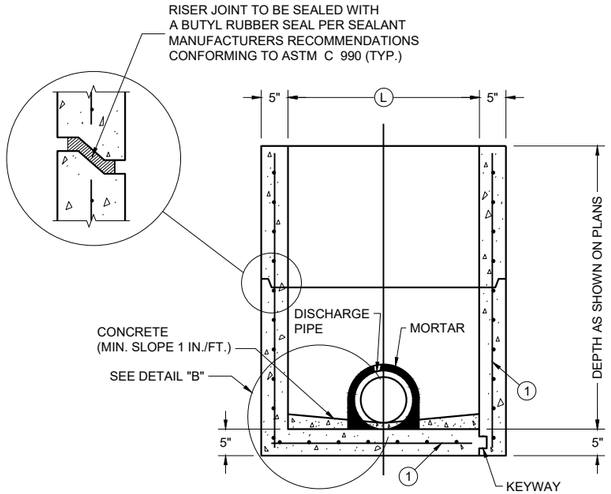
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SDD 08C06-03



PLAN VIEW



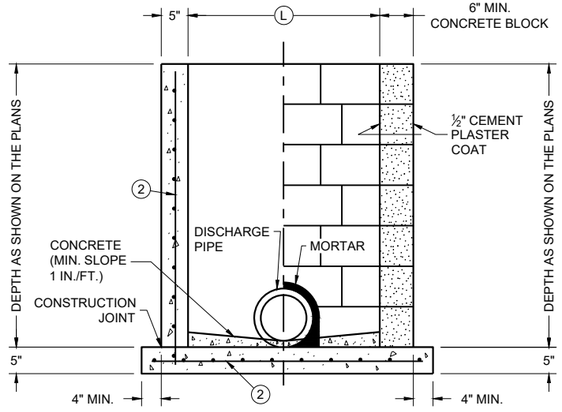
PLAN VIEW



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

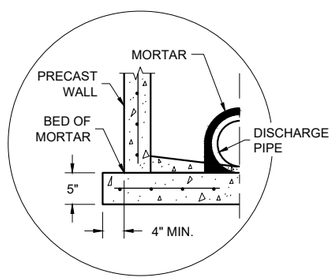
SECTION A - A



CAST IN PLACE REINFORCED CONCRETE

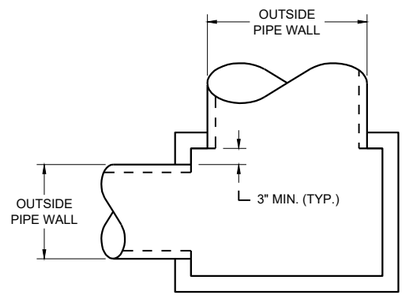
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

SECTION B - B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "B"



DETAIL "A"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP N0T SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

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

ALL 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" 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 AND REINFORCED CONCRETE BASES 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.

CATCH BASIN COVER MATRIX

INLET SIZE	WIDTH (W) (FT.)	LENGTH (L) (FT.)	INLET COVER TYPE									
			ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM	V V-B
2 X 2-FT	2	2	X	X				X				
2 X 2.5-FT	2	2.5			X			X	X	X	X	
2 X 3-FT	2	3					X					
2.5 X 3-FT	2.5	3				X						
2 X 3.5-FT	2	3.5										X

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2 X 2-FT	12	12
2 X 2.5-FT	12	18
2 X 3-FT	12	24
2.5 X 3-FT	18	24
2 X 3.5-FT	12	30

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2X3.5-FT

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2 X 3.5-FT

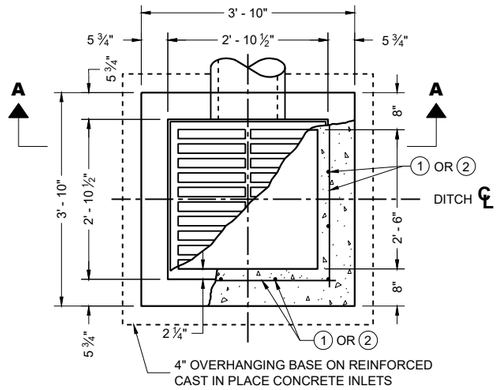
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023
DATE

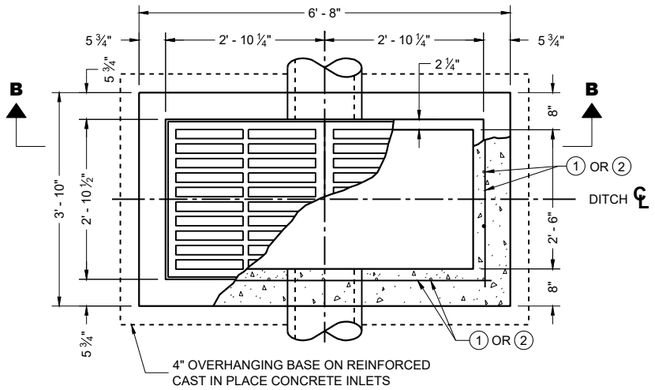
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

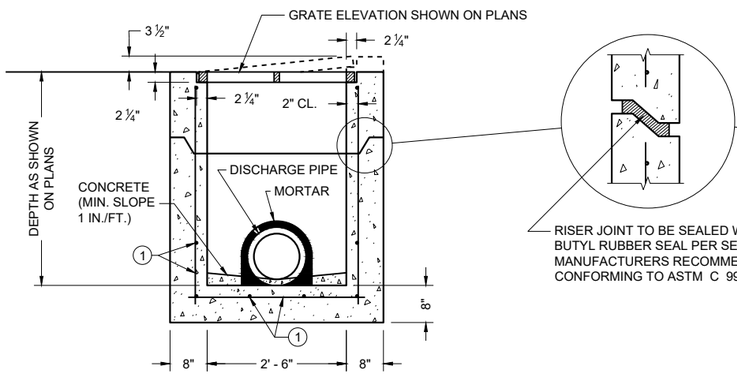
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SDD 08C07-03



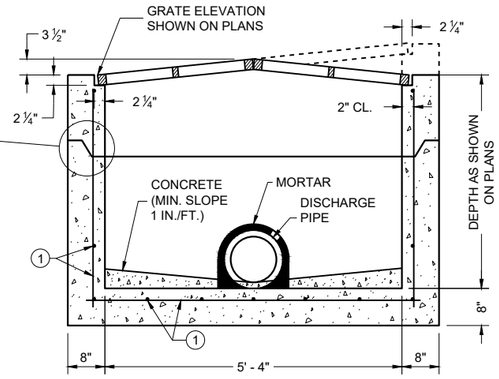
PLAN VIEW



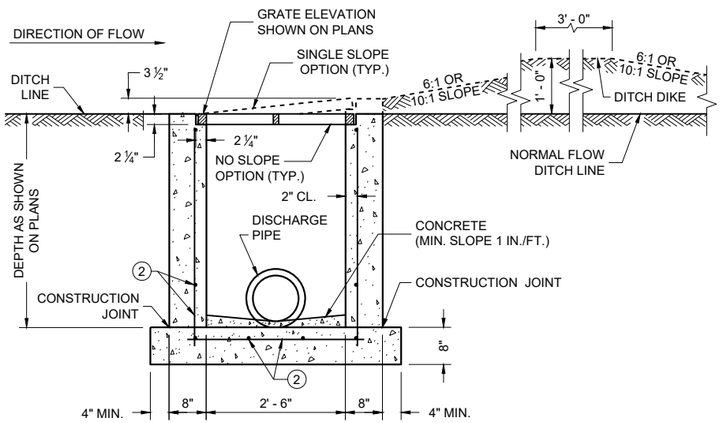
PLAN VIEW



PRECAST REINFORCED CONCRETE SECTION A - A

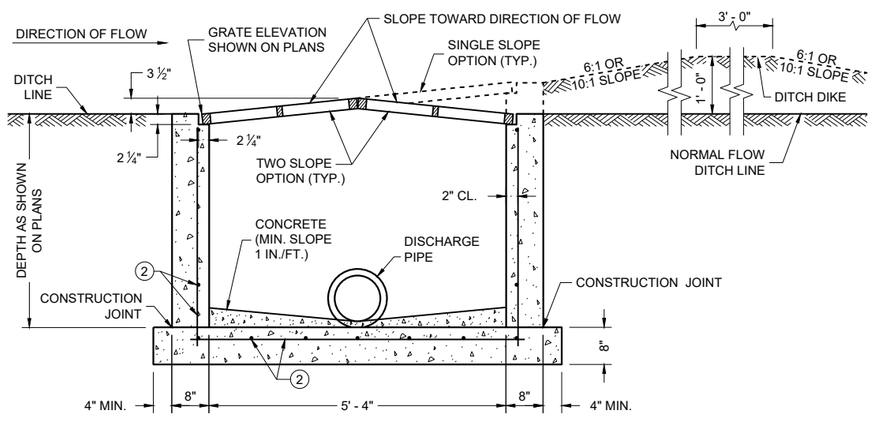


PRECAST REINFORCED CONCRETE SECTION B - B



REINFORCED CAST IN PLACE CONCRETE SECTION A - A

INLETS MEDIAN 1 GRATE



REINFORCED CAST IN PLACE CONCRETE SECTION B - B

INLETS MEDIAN 2 GRATE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP N0T SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

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

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

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

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

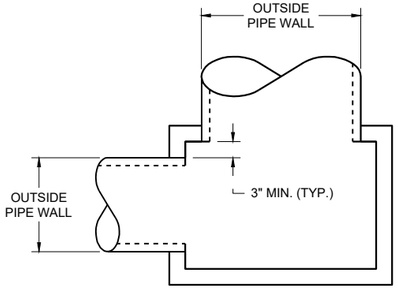
ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

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

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

(1) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES 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.



DETAIL "A"

PIPE MATRIX

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

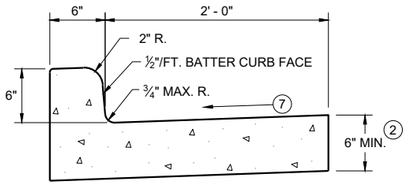
INLETS
MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

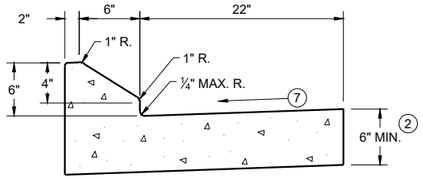
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December 2023 — DATE
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FHWA

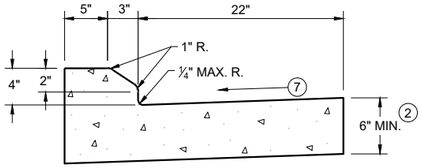
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SDD 08C08-03



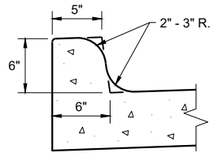
TYPES A (1) & D



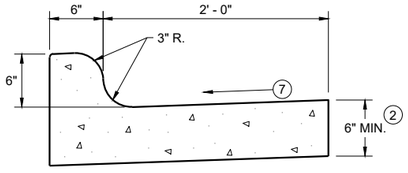
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

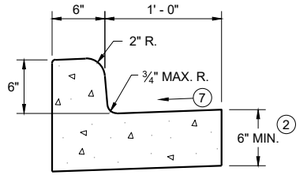


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



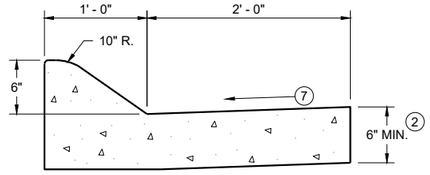
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

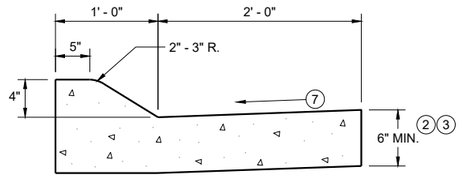


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

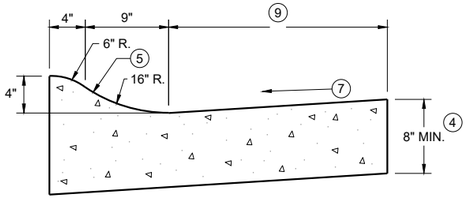


6" SLOPED CURB TYPES A (1) & D



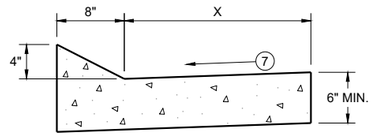
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

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

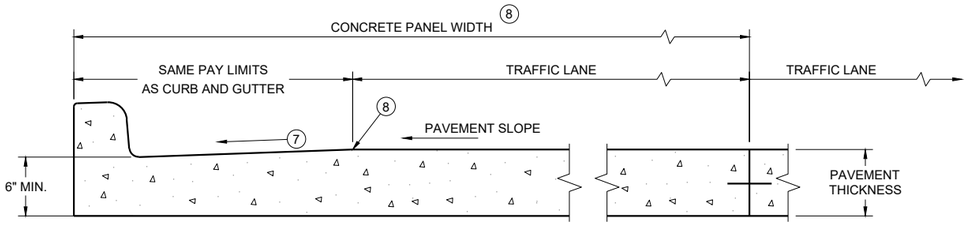


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

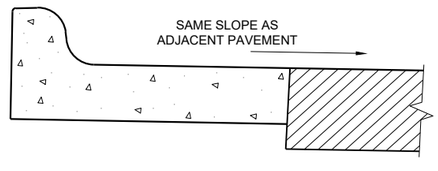
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

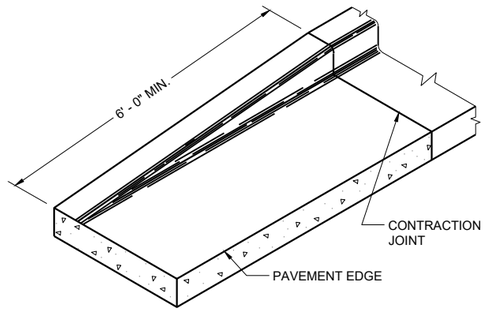
(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

(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

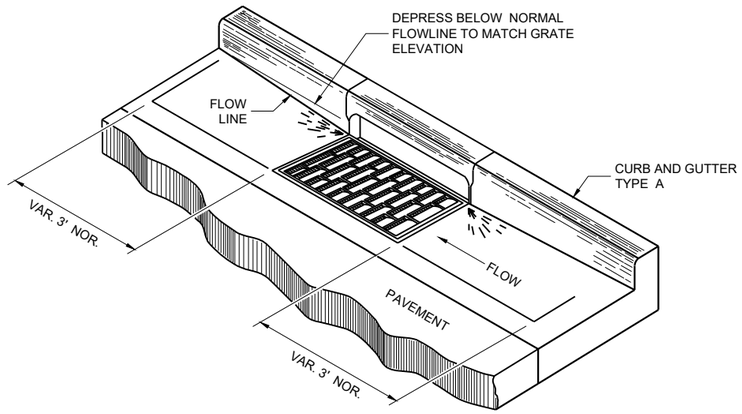
CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D01-23a



END SECTION CURB 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.

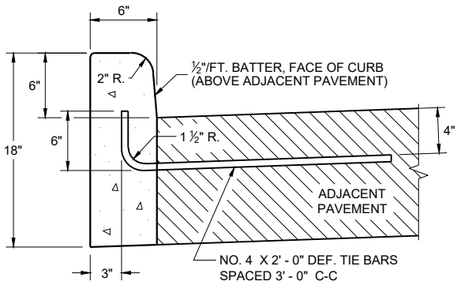
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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

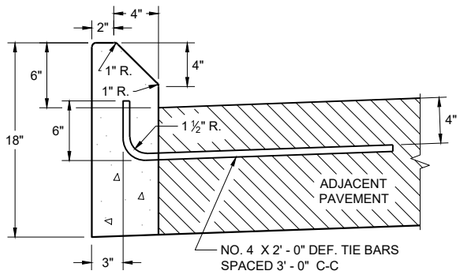
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(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.

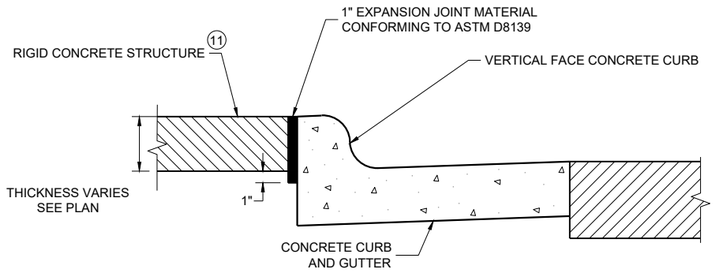


TYPES A (1) & D

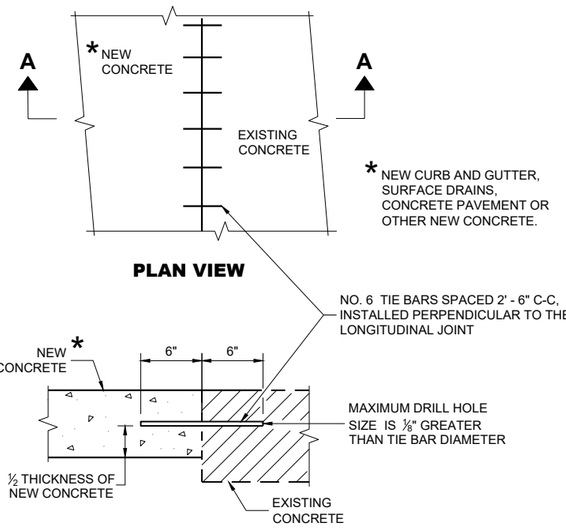


TYPES G (1) & J

CONCRETE CURB



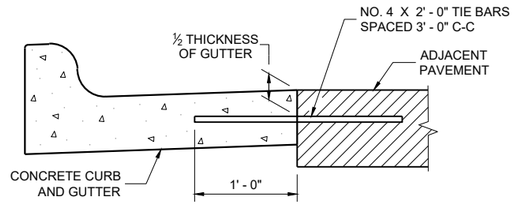
EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)



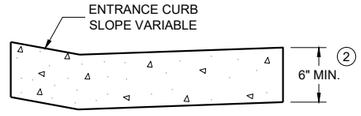
PLAN VIEW

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 DEVELOPMENT UNIT SUPERVISOR

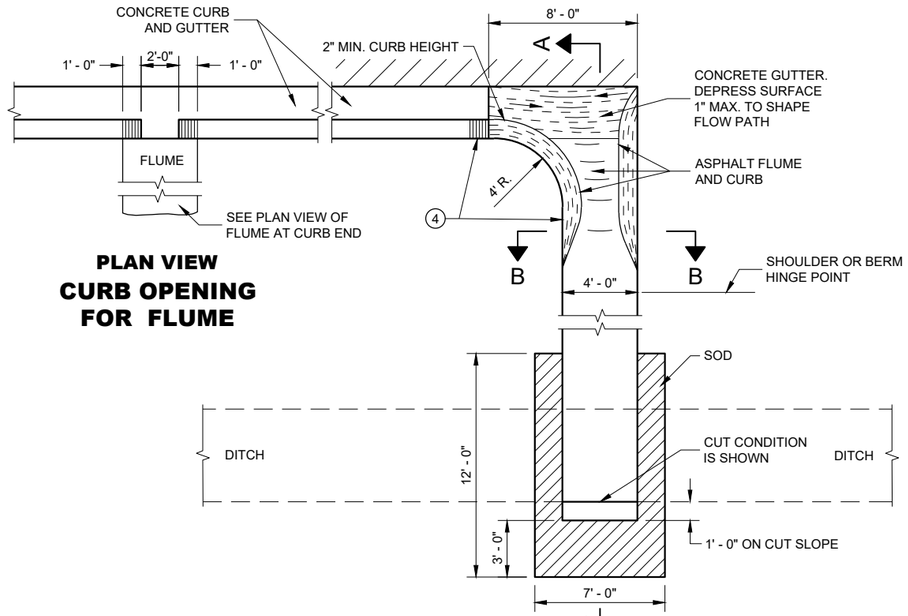
FHWA

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SDD 08D01-23b

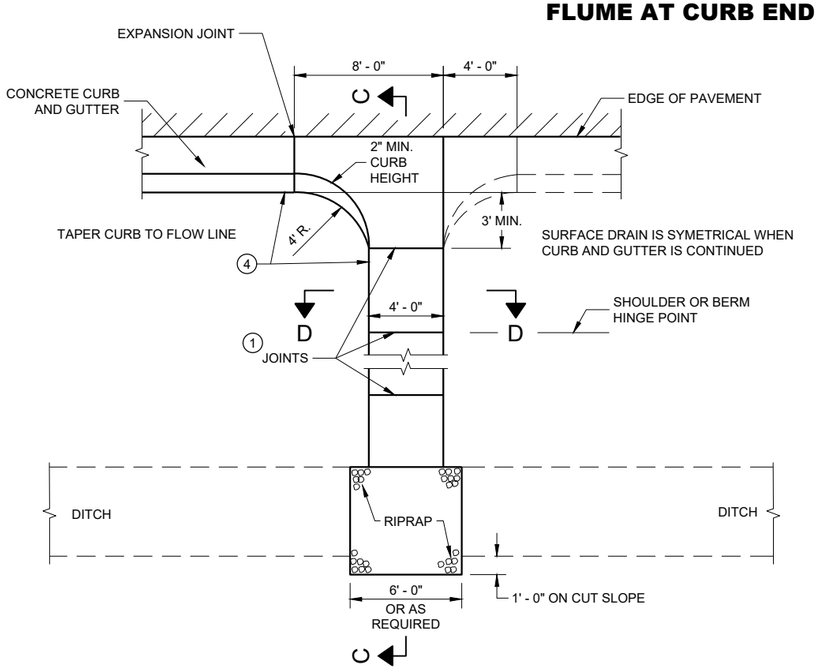
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



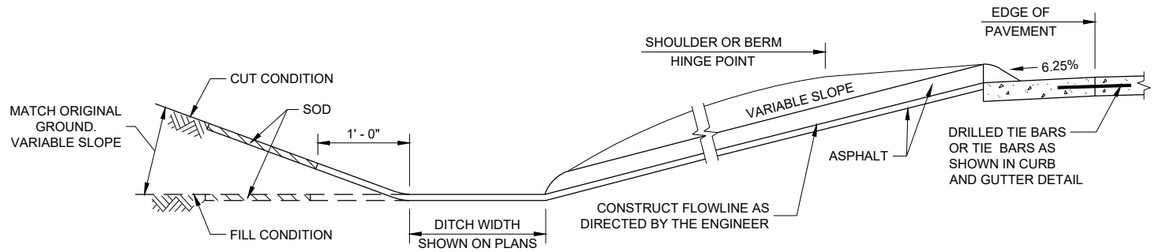
PLAN VIEW
CONCRETE SURFACE DRAIN

GENERAL NOTES

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

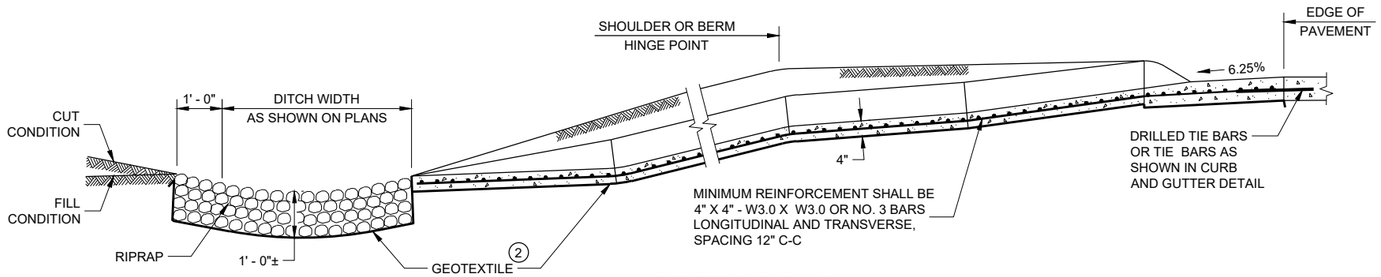
4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. ANGLE OF FLUME IN RELATION TO BACK OF CURB TO BE CONSTRUCTED PER THE PLAN DETAILS OR AS DIRECTED BY THE ENGINEER. ANGLE OF FLUME MAY BE OTHER THAN 90 DEGREES AS SHOWN.

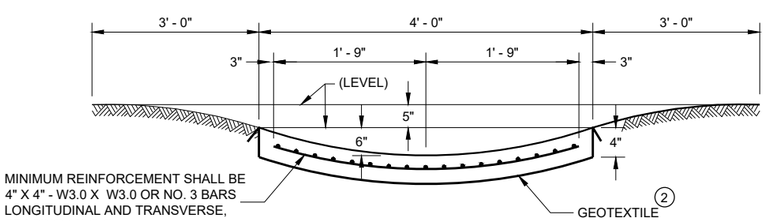


SECTION A - A

SECTION B - B



SECTION C - C



SECTION D - D

CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

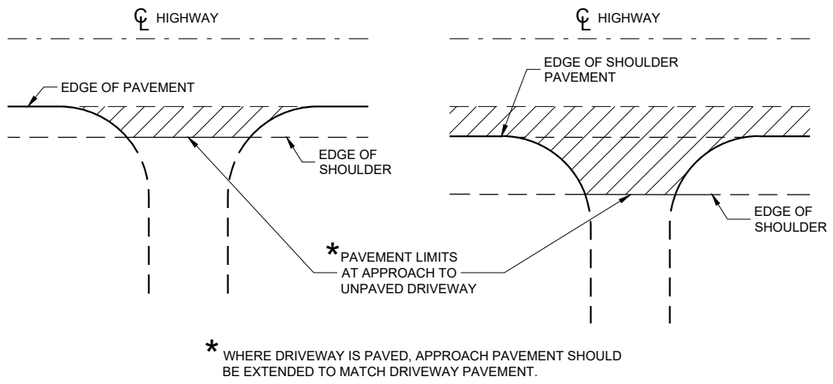
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SDD 08D04 - 07

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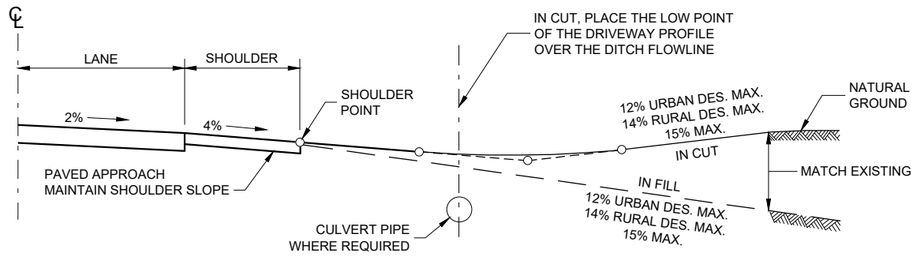
SDD 08D04 - 07



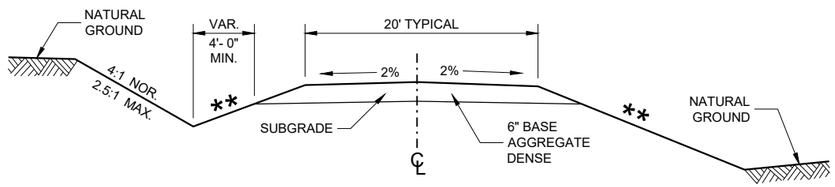
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB AND GUTTER OR SIDEWALK)



TYPICAL DRIVEWAY PROFILES

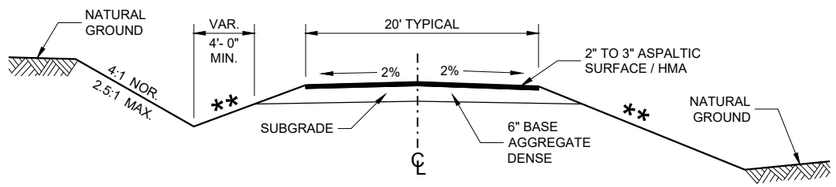


IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE AGGREGATE SURFACE

** SLOPE CAN VARY WITH SPEED. SEE 11-45-30.6.2

POSTED SPEED MPH	MAX. SLOPE
<35	4:1
≥ 35 TO < 60	6:1
≥60	10:1



IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE

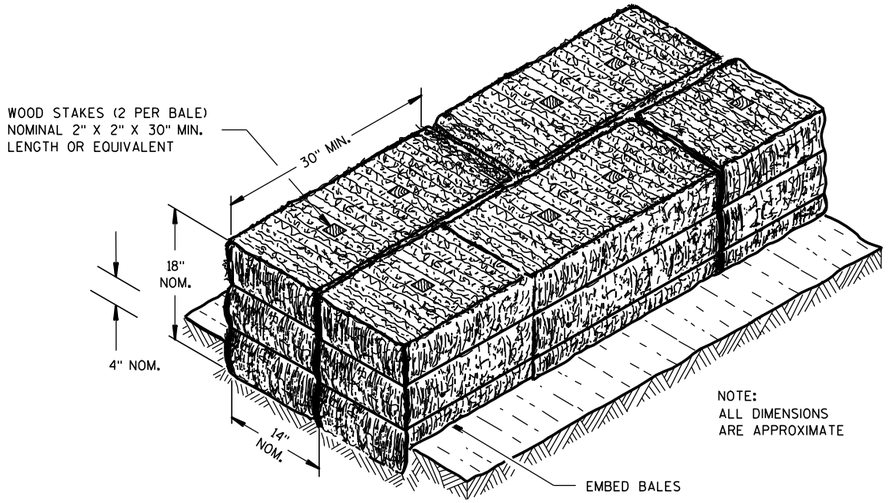
DRIVEWAYS WITHOUT CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

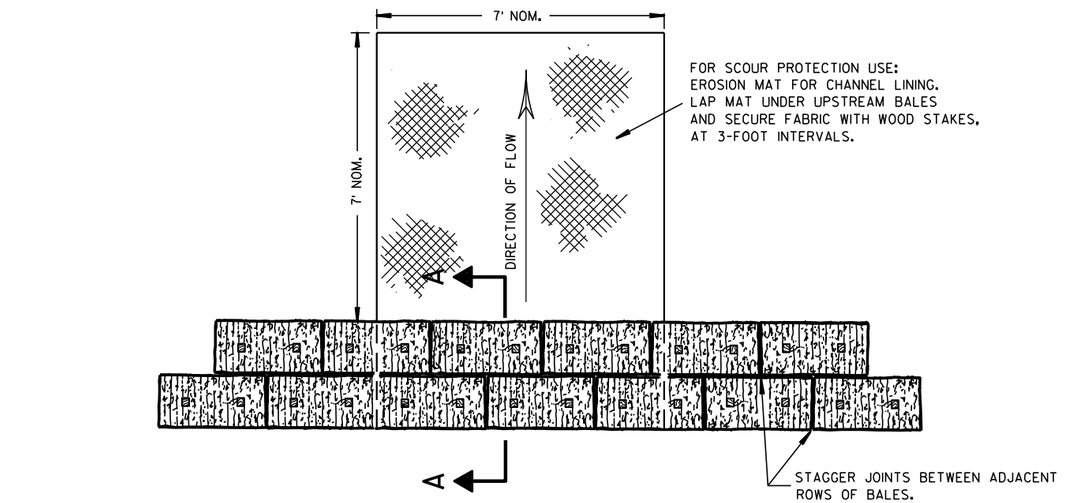
APPROVED
December 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR
FHWA

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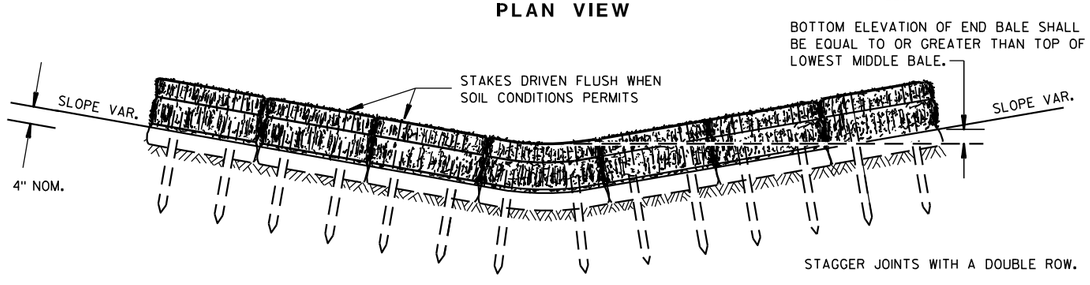
SDD 08D21 - 01



SECTION A-A



PLAN VIEW



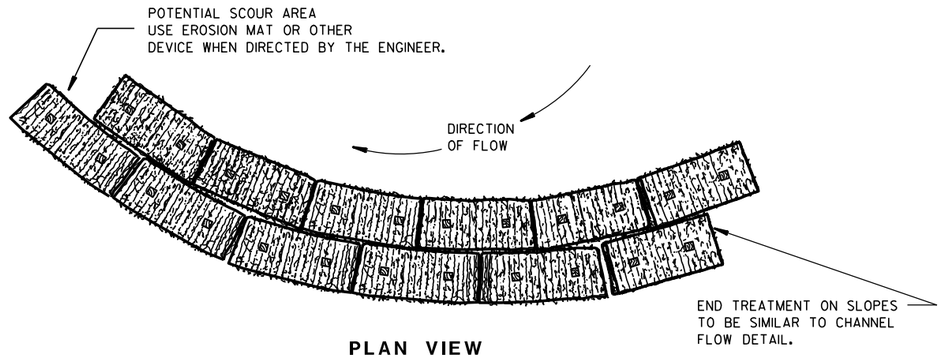
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

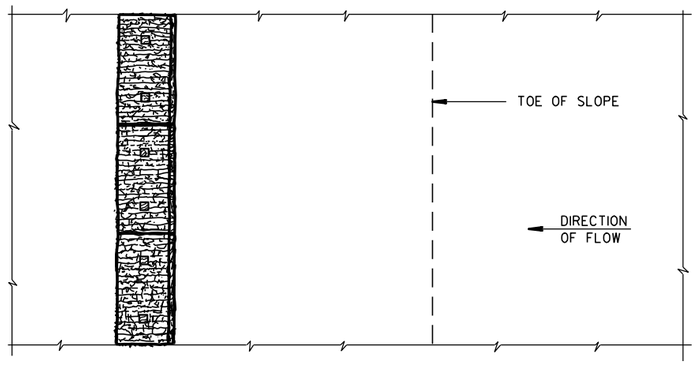
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

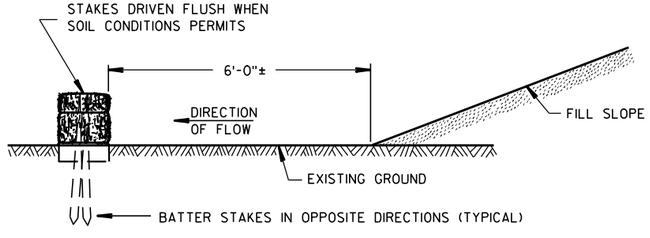


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 DATE — /S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

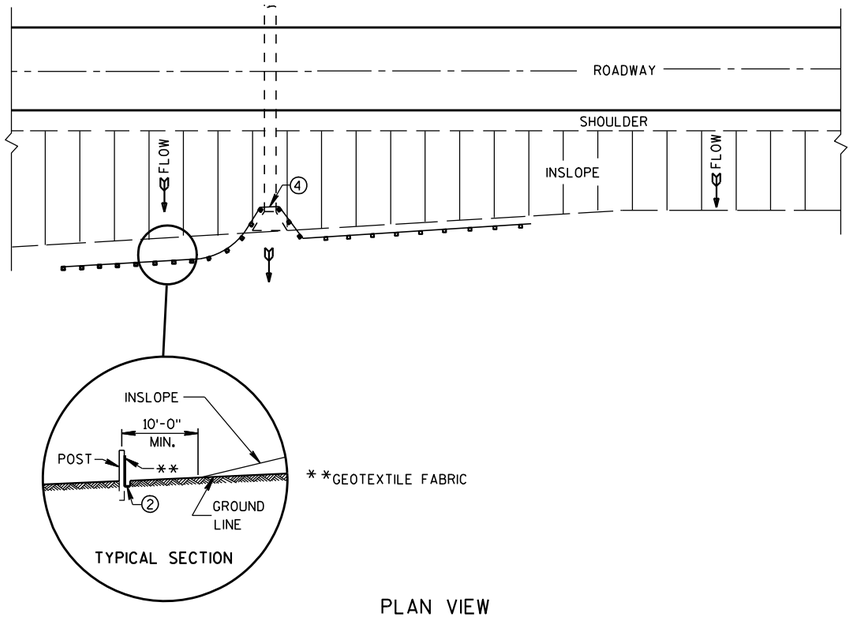
FHWA

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S.D.D. 8 E 8-3

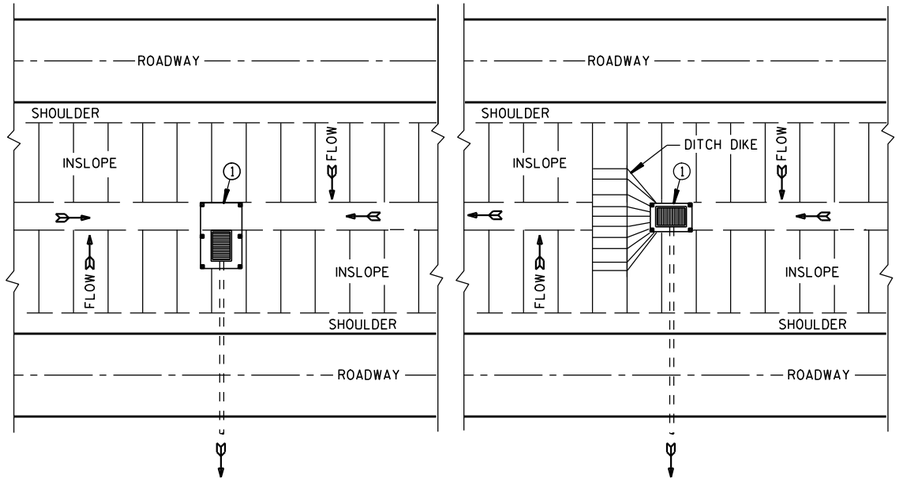
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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



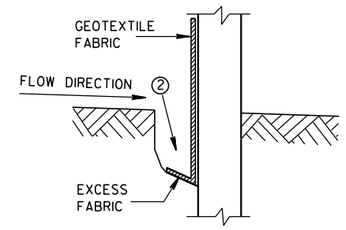
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

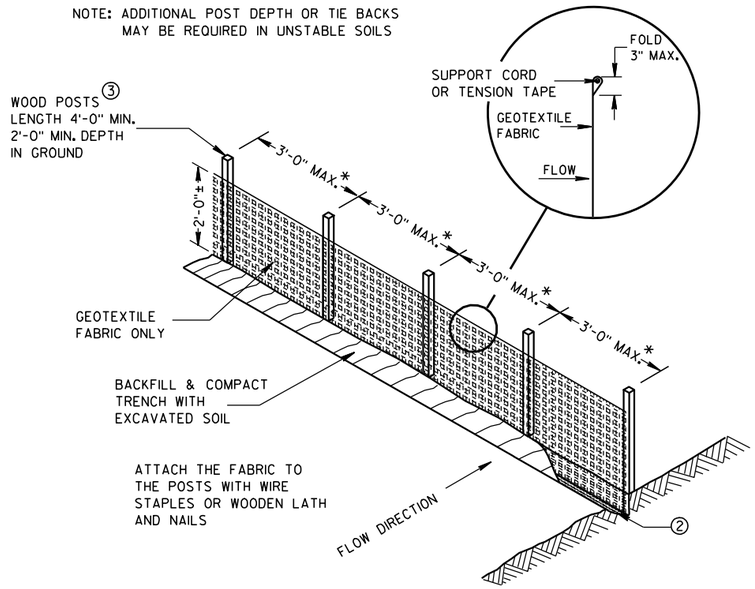
GENERAL NOTES

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

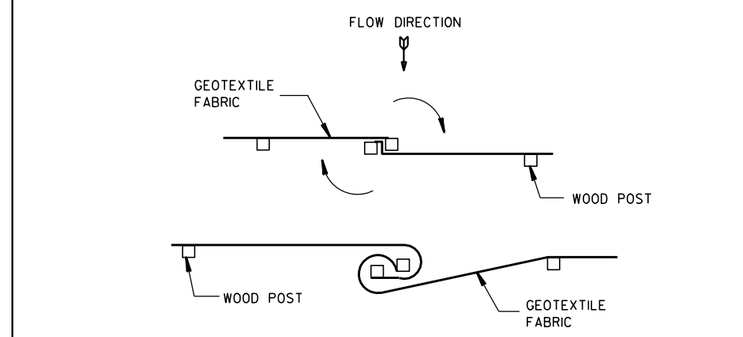
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



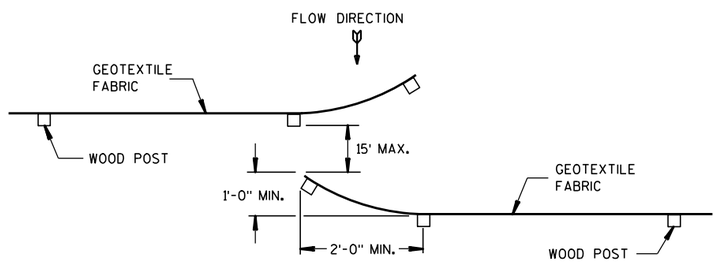
TRENCH DETAIL



SILT FENCE

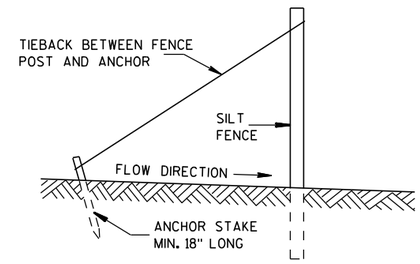


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

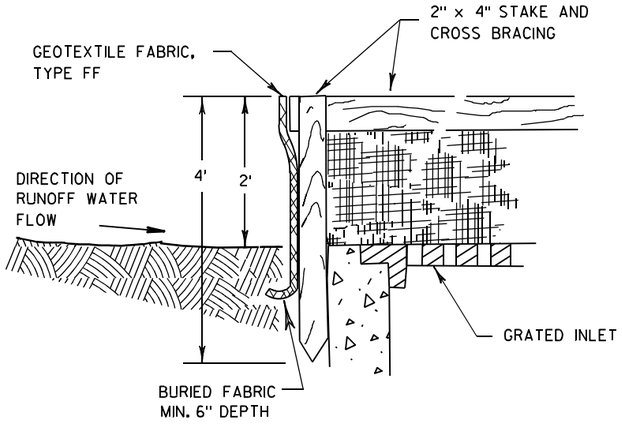
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

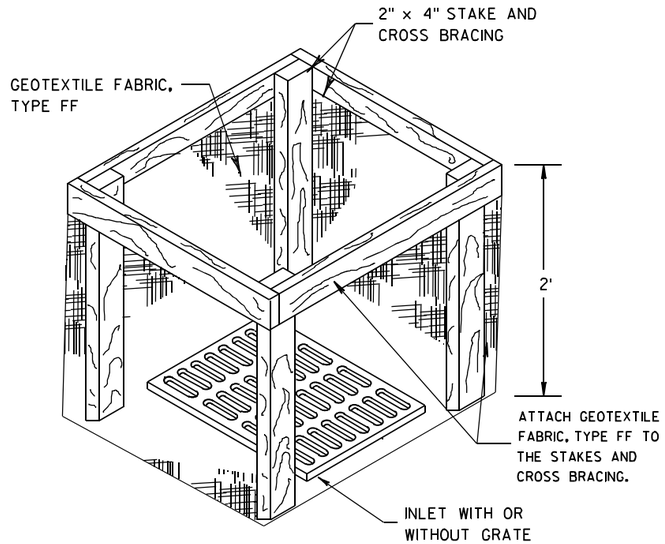
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S.D.D. 8 E 9-6

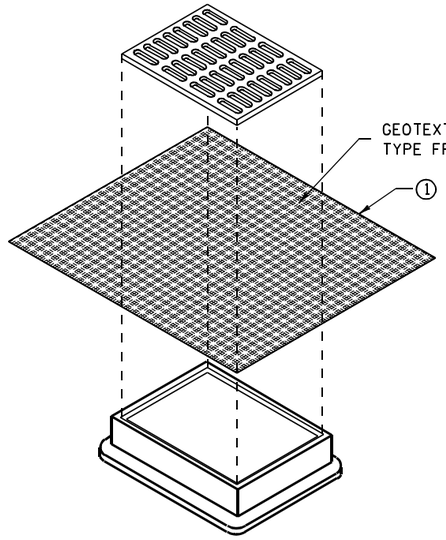
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S.D.D. 8 E 9-6



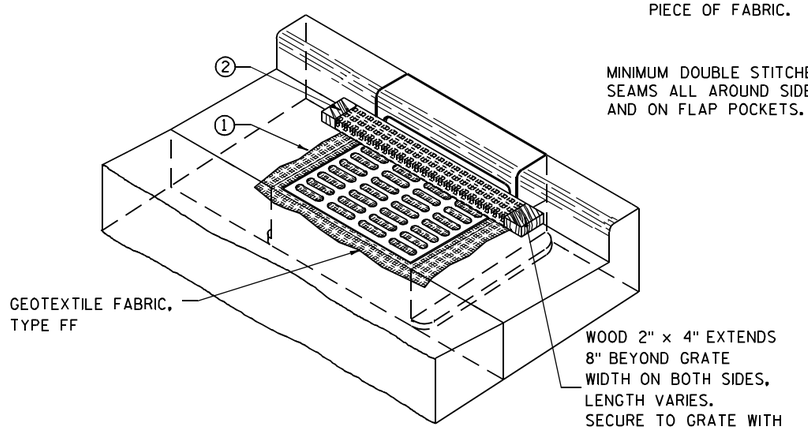


INLET PROTECTION, TYPE A

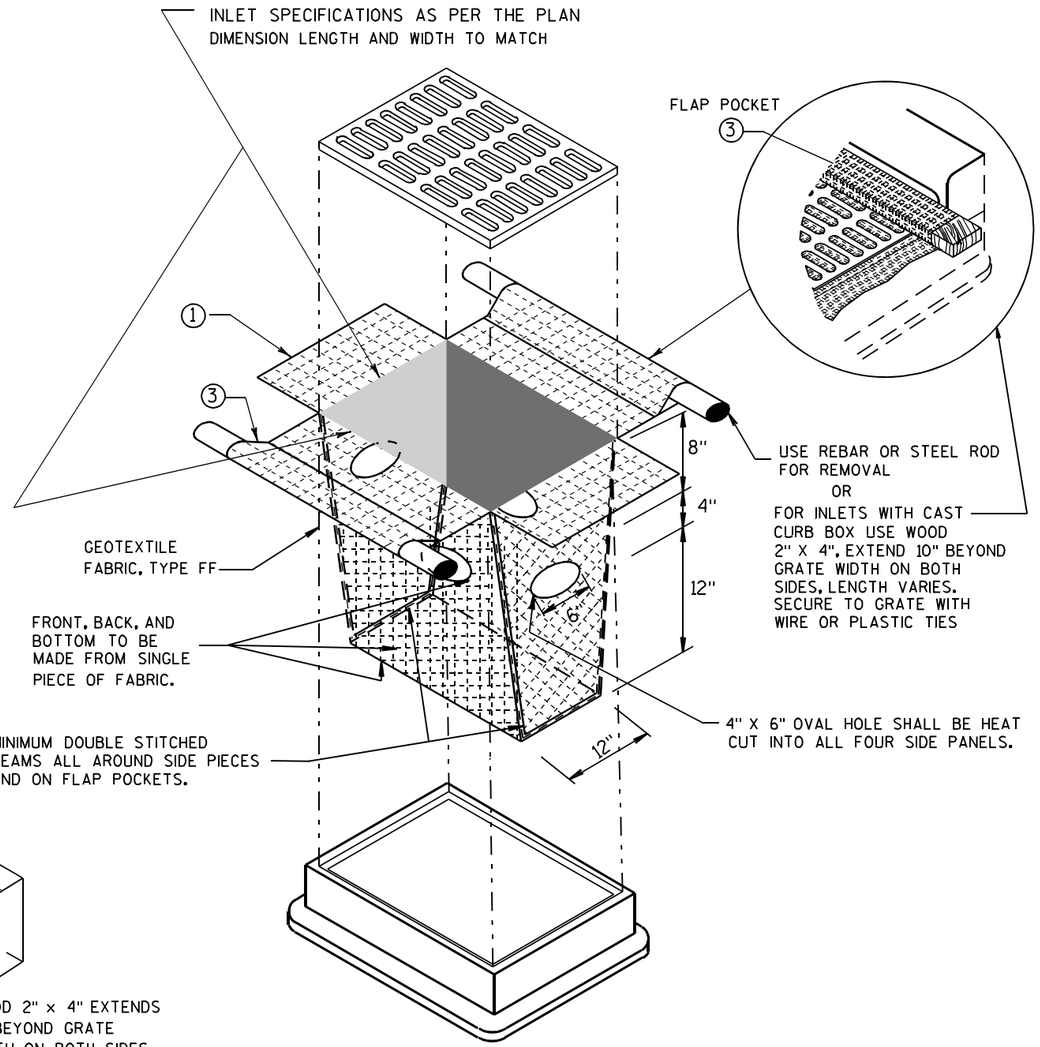


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

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

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

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

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

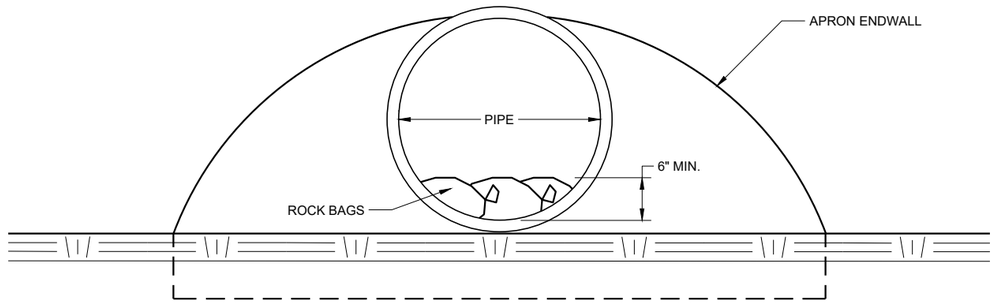
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE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

INLET PROTECTION
TYPE A, B, C, AND D

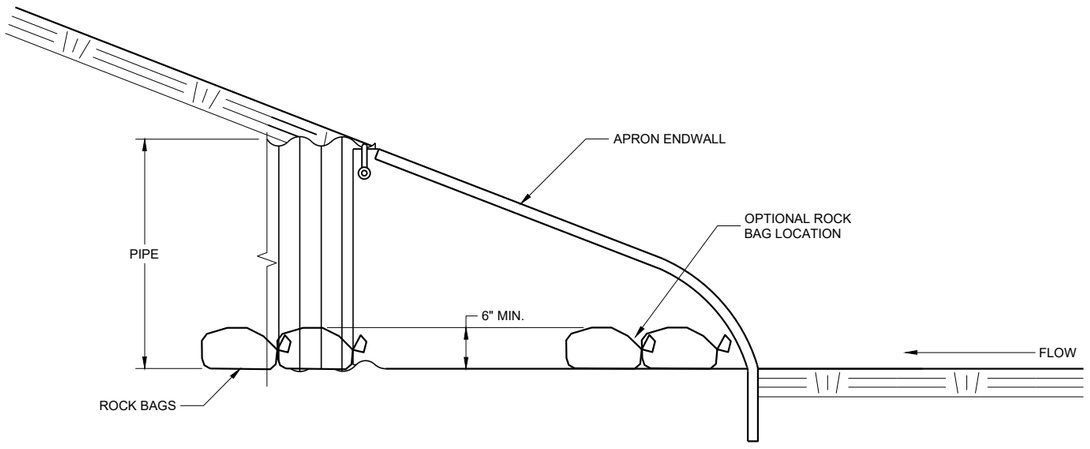
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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S.D.D. 8 E 10-2



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2019 DATE	/S/ Daniel Schave EROSION CONTROL ENGI
FHWA	

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SDD 08E15 - 01

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SDD 08E15 - 01

METAL APRON ENDWALLS

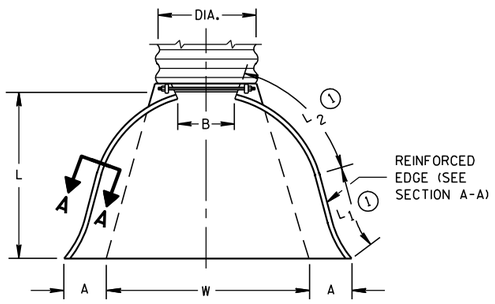
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

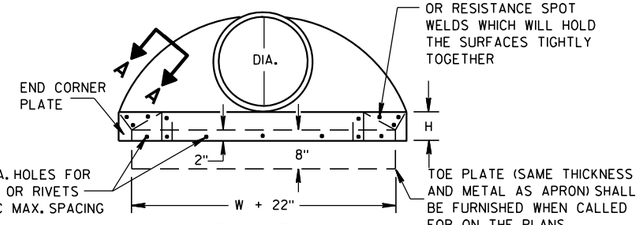
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

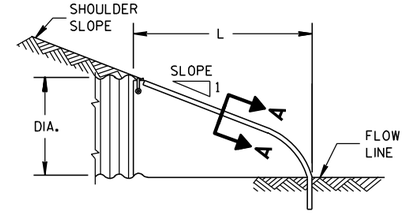
*MINIMUM
**MAXIMUM



PLAN VIEW

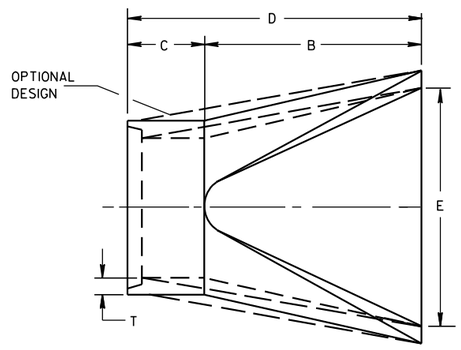


END VIEW

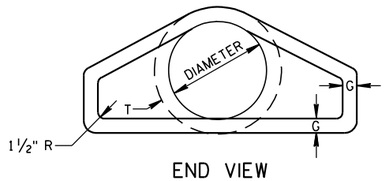


SIDE ELEVATION

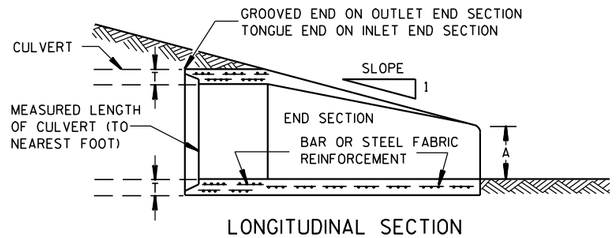
METAL ENDWALLS



PLAN

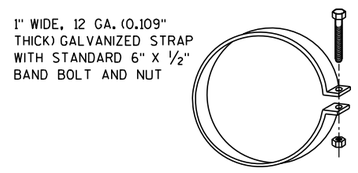


END VIEW



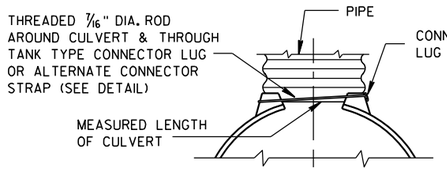
LONGITUDINAL SECTION

CONCRETE ENDWALLS

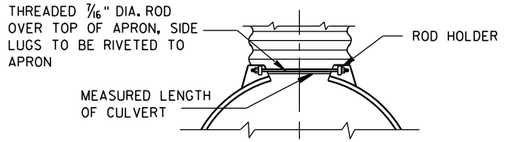


ALTERNATE FOR TYPE 1 CONNECTION

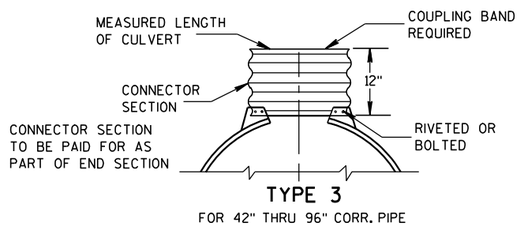
END SECTION CONNECTOR STRAP



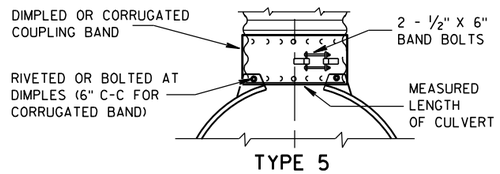
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

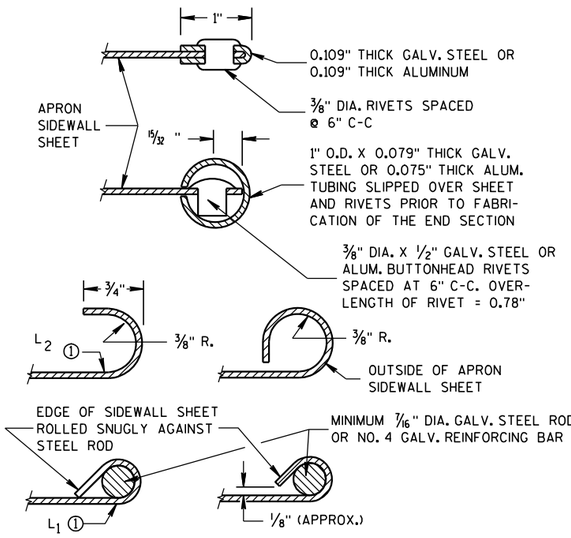
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

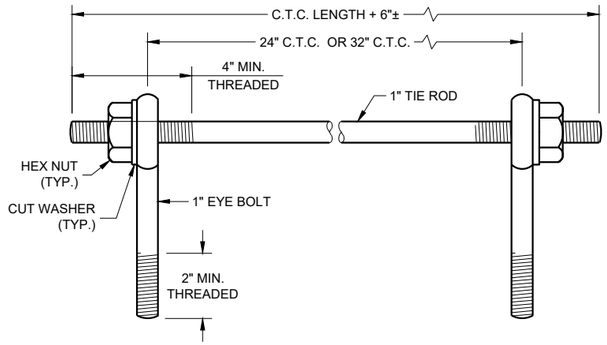
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

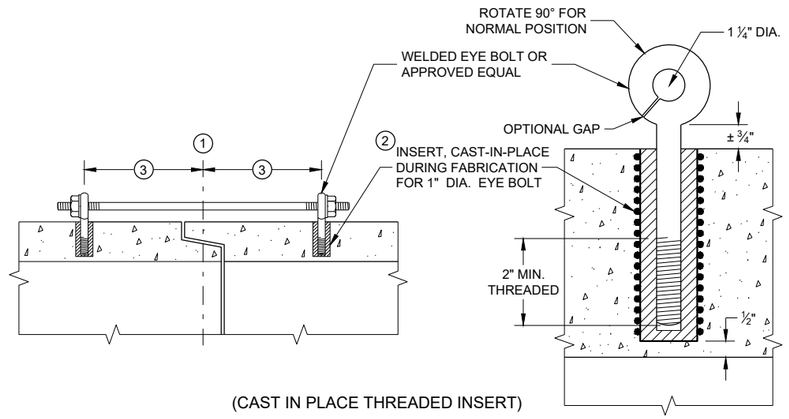
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

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

GENERAL NOTES

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

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

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

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

(1) 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.

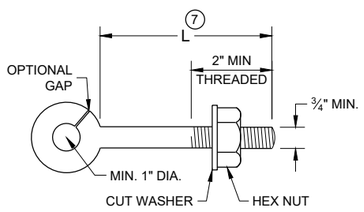
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

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

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

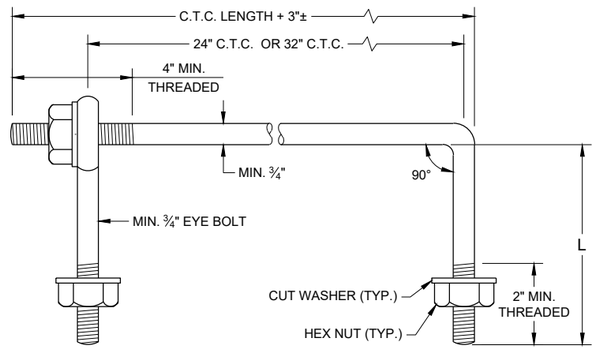
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

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

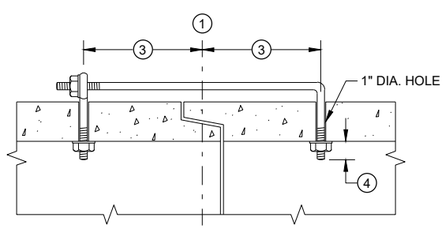


EYE BOLT (7)

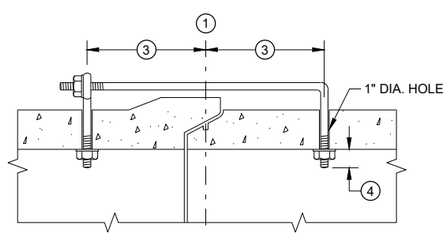
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

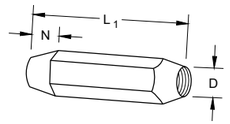
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

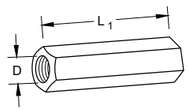
ADJUSTABLE TIE ROD TABLE

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



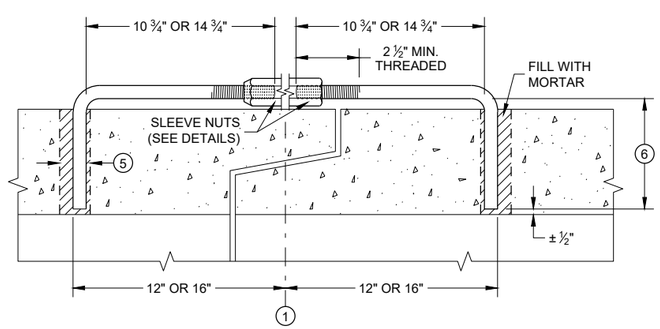
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PLAIN

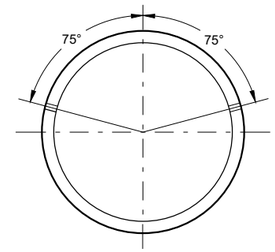
RIGHT AND LEFT THREADS

SLEEVE NUTS



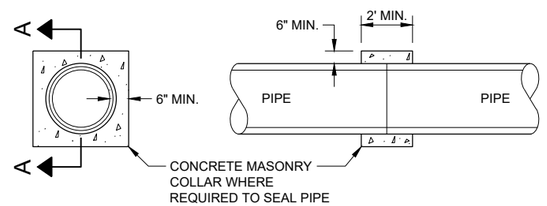
LONGITUDINAL SECTION

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

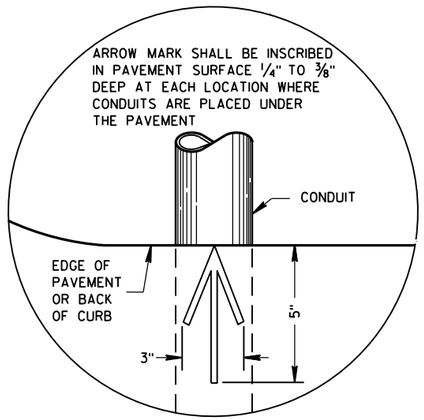
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

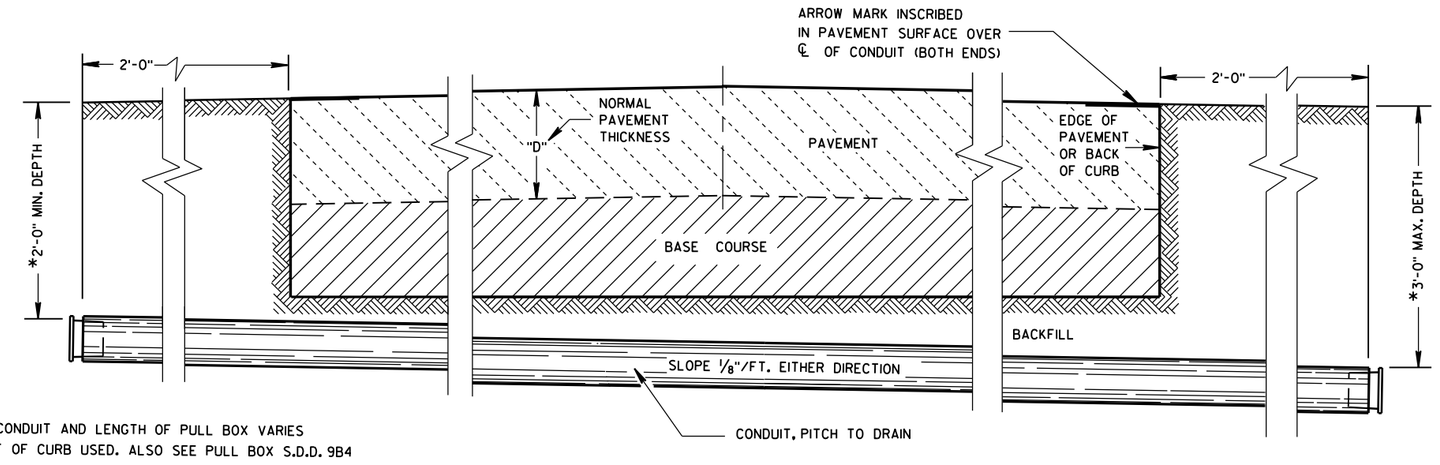
SDD 08F04 - 08

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

6

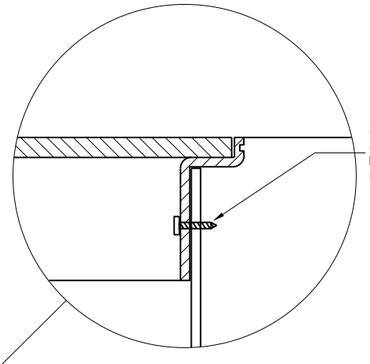
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS
AND WEIGHTS

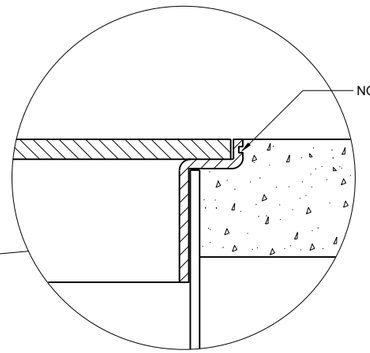
DIMENSION IN INCHES		NON- CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 ½	22 ½
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

*THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

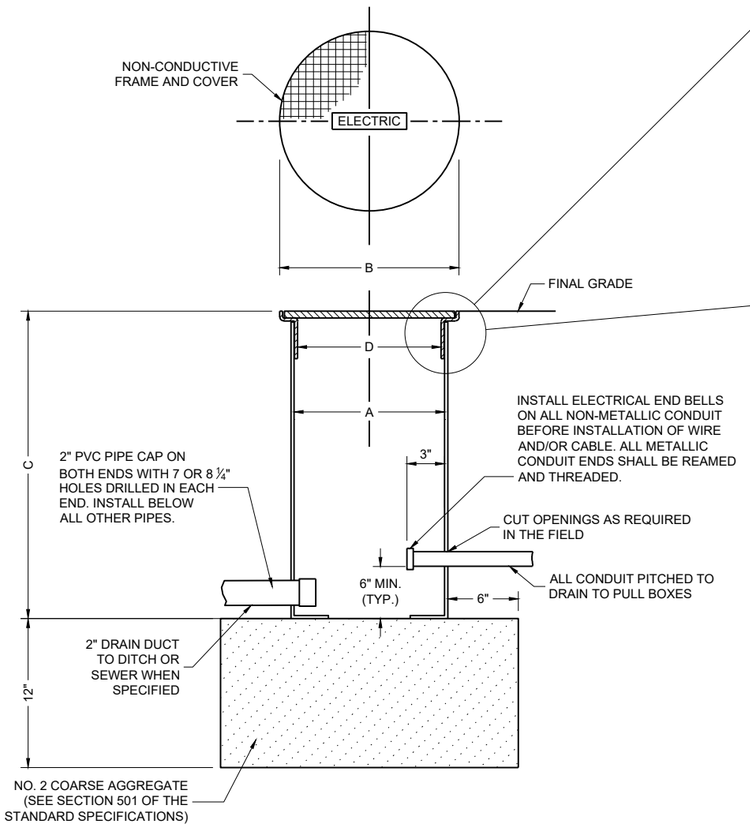
** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE.



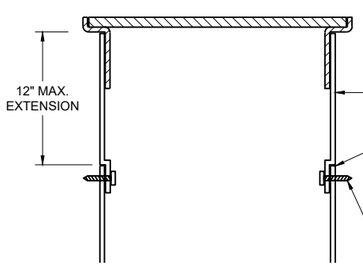
INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



NON-CONDUCTIVE PULL BOX



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".

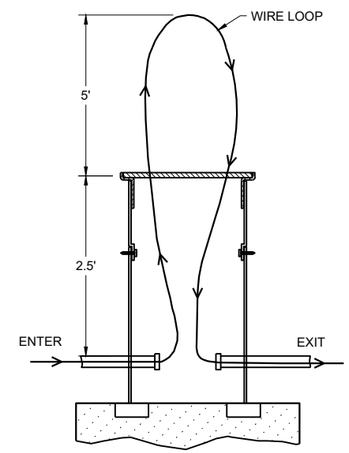
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

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

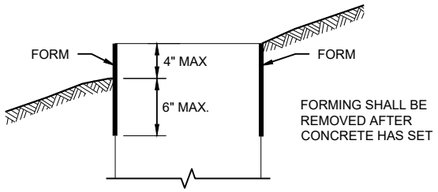
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL ENGINEER

FHWA

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SDD 09B16-03

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.

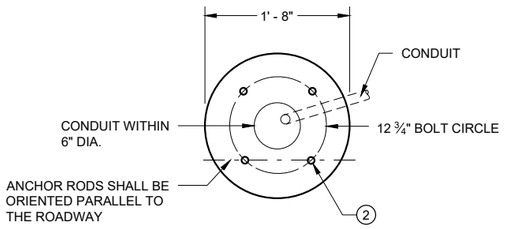
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

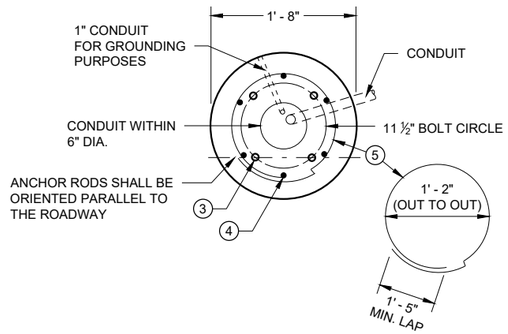
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

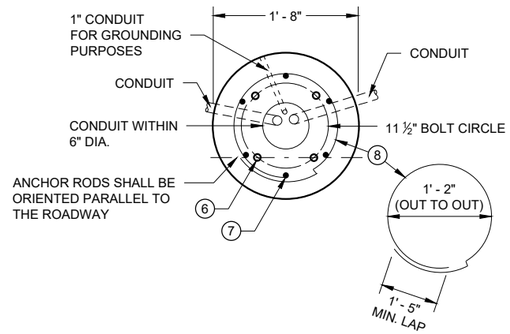
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

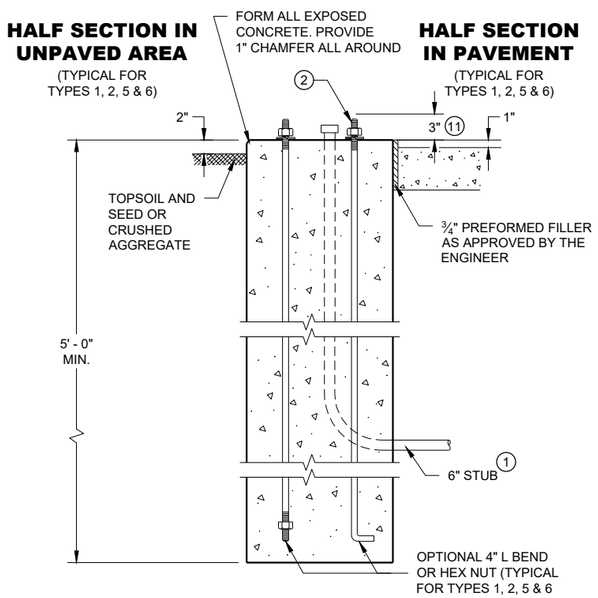
WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

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

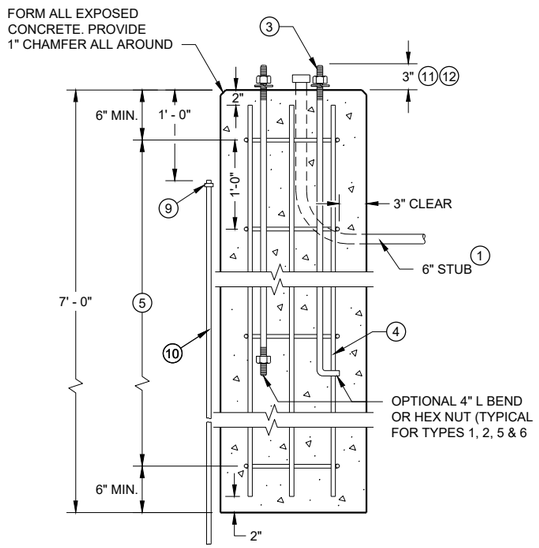




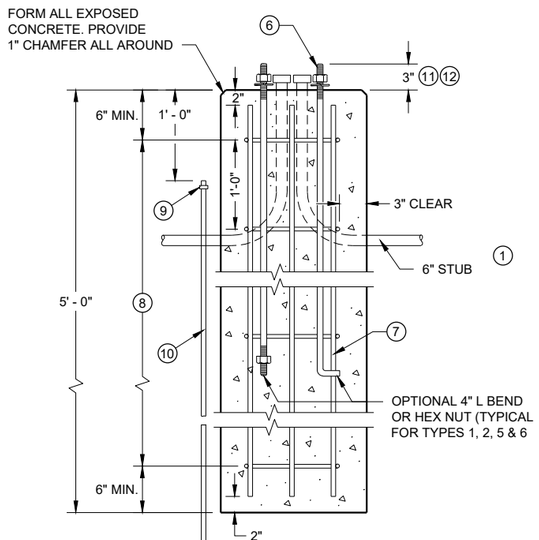




TYPE 1



TYPE 2



TYPE 5 & 6

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.

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

FHWA

6
SDD 09C02 - 09

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.

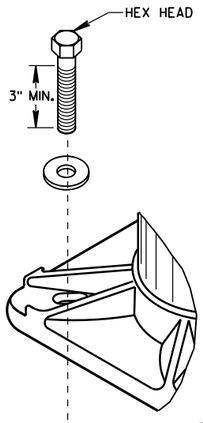
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

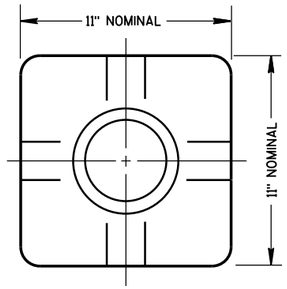
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

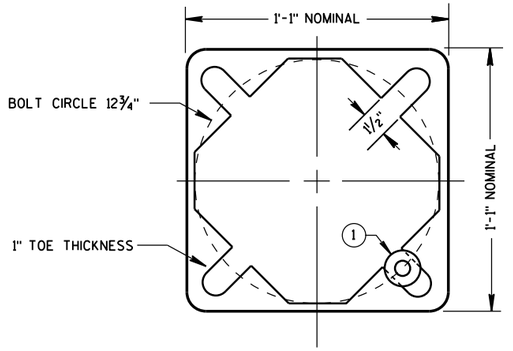
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

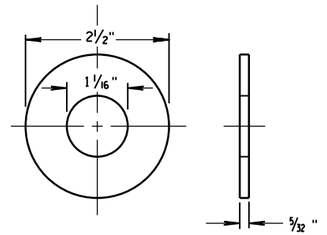




TOP VIEW
(PEDESTAL BASE)

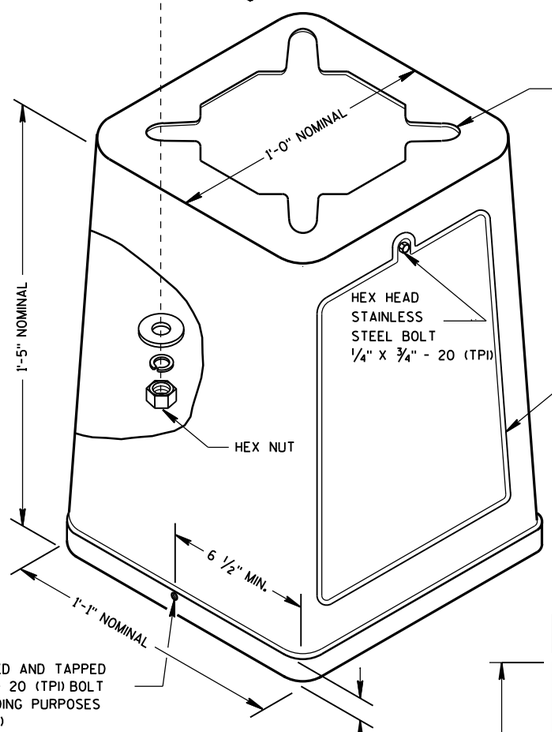


BOTTOM VIEW
(PEDESTAL BASE)

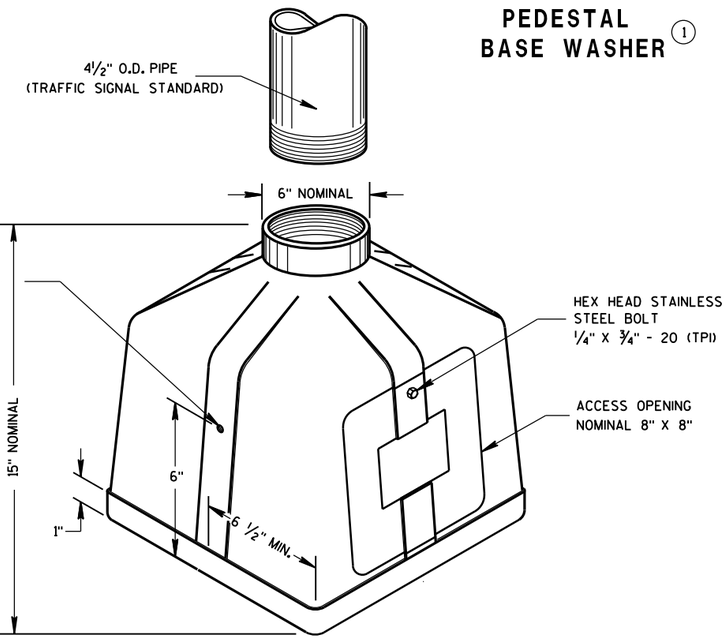


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

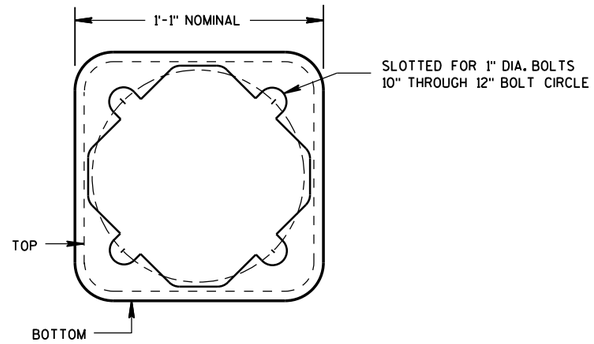
PEDESTAL BASE WASHER (1)



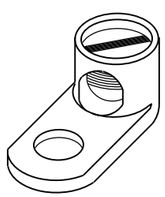
ISOMETRIC VIEW



ISOMETRIC VIEW
PEDESTAL BASE

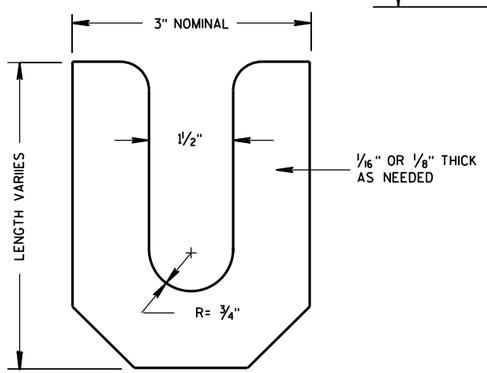


BOTTOM VIEW
(TRANSFORMER BASE)



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

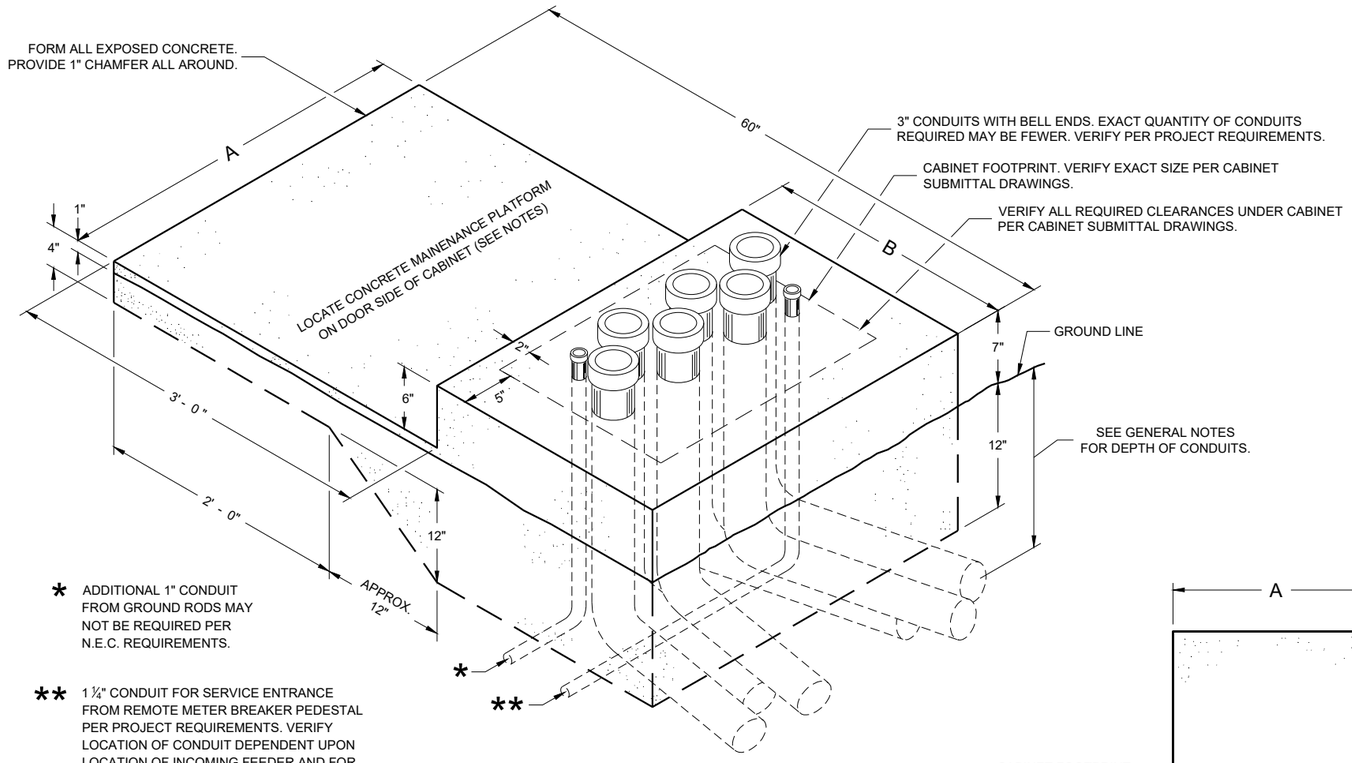
TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

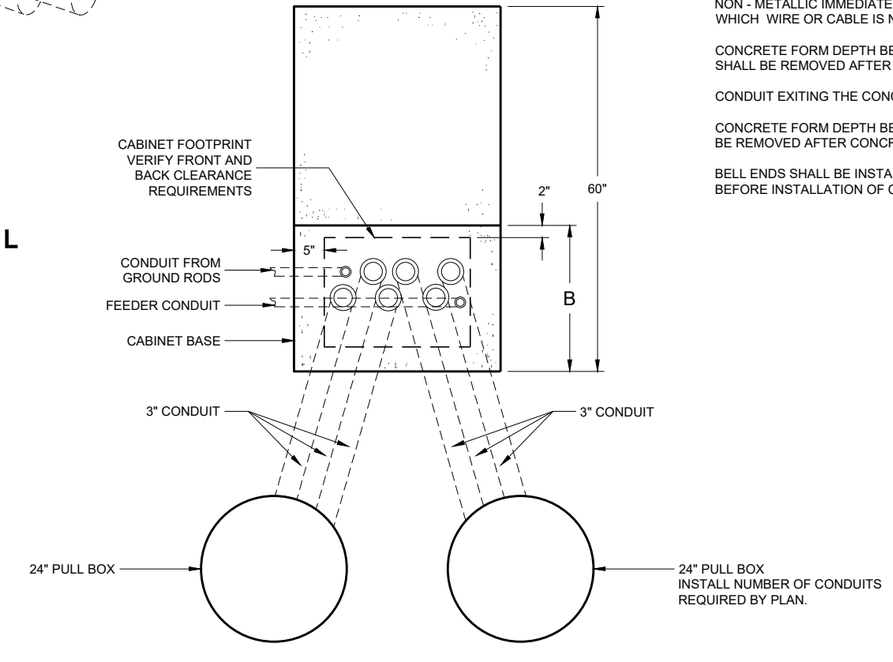
** 1 ¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

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

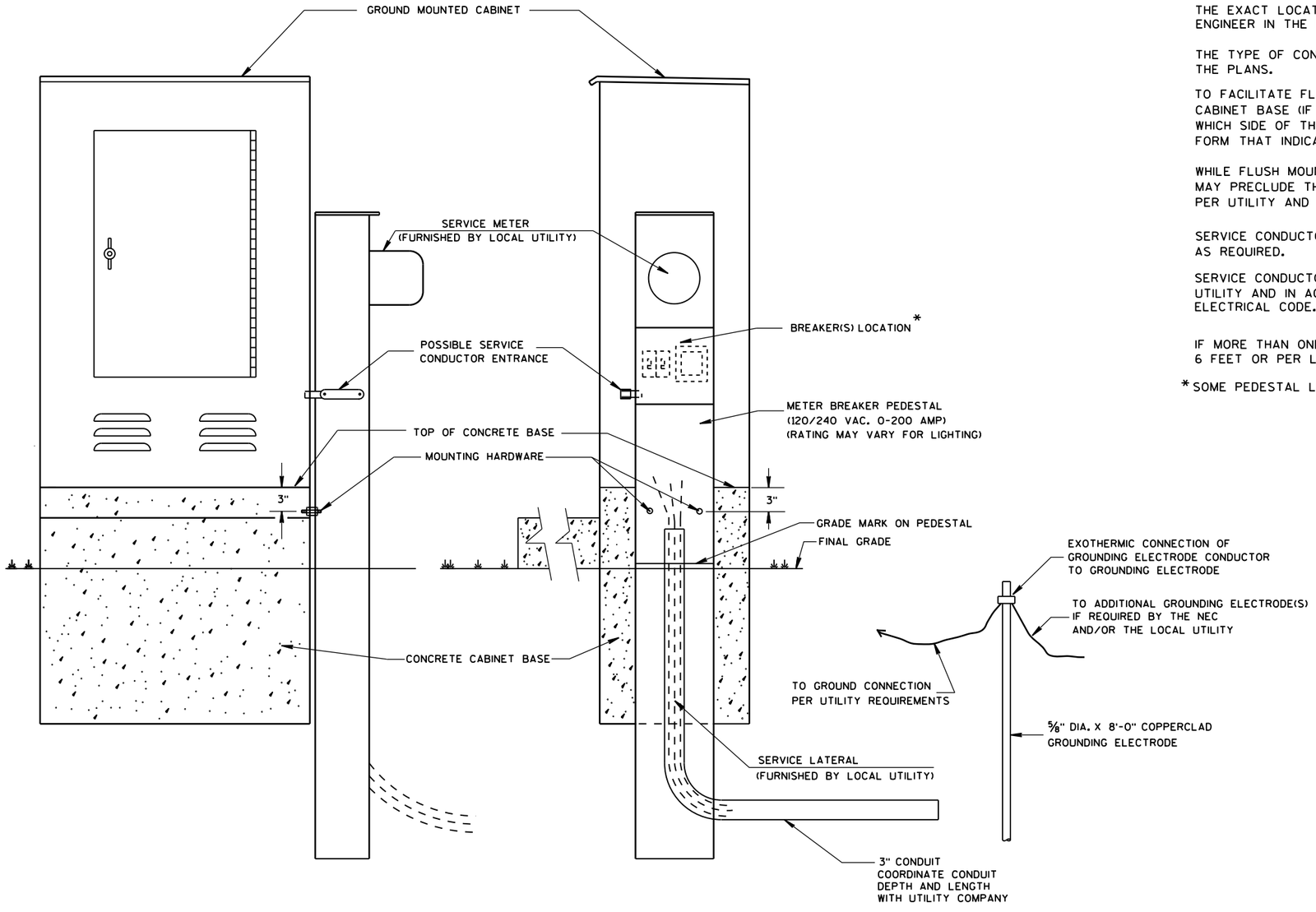
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 151

FHWA

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SDD 09C14 - 03



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

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

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

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

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

*SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

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S.D.D. 9 D 1-5

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

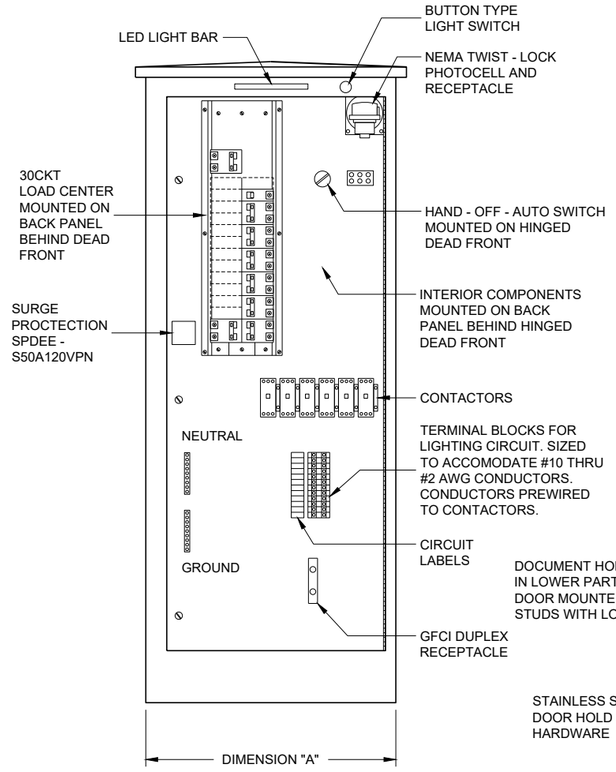
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

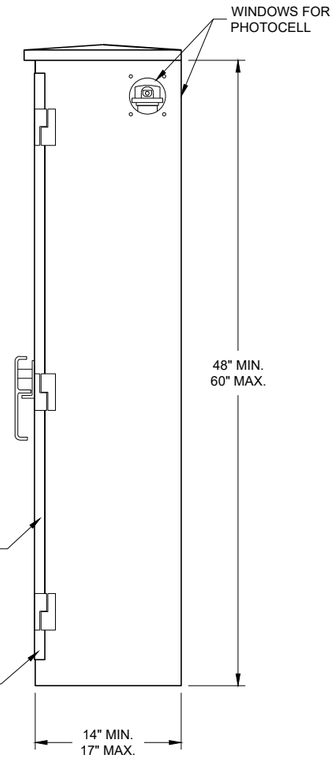
/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA

FRONT INTERIOR ELEVATION



SIDE VIEW



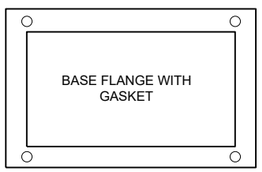
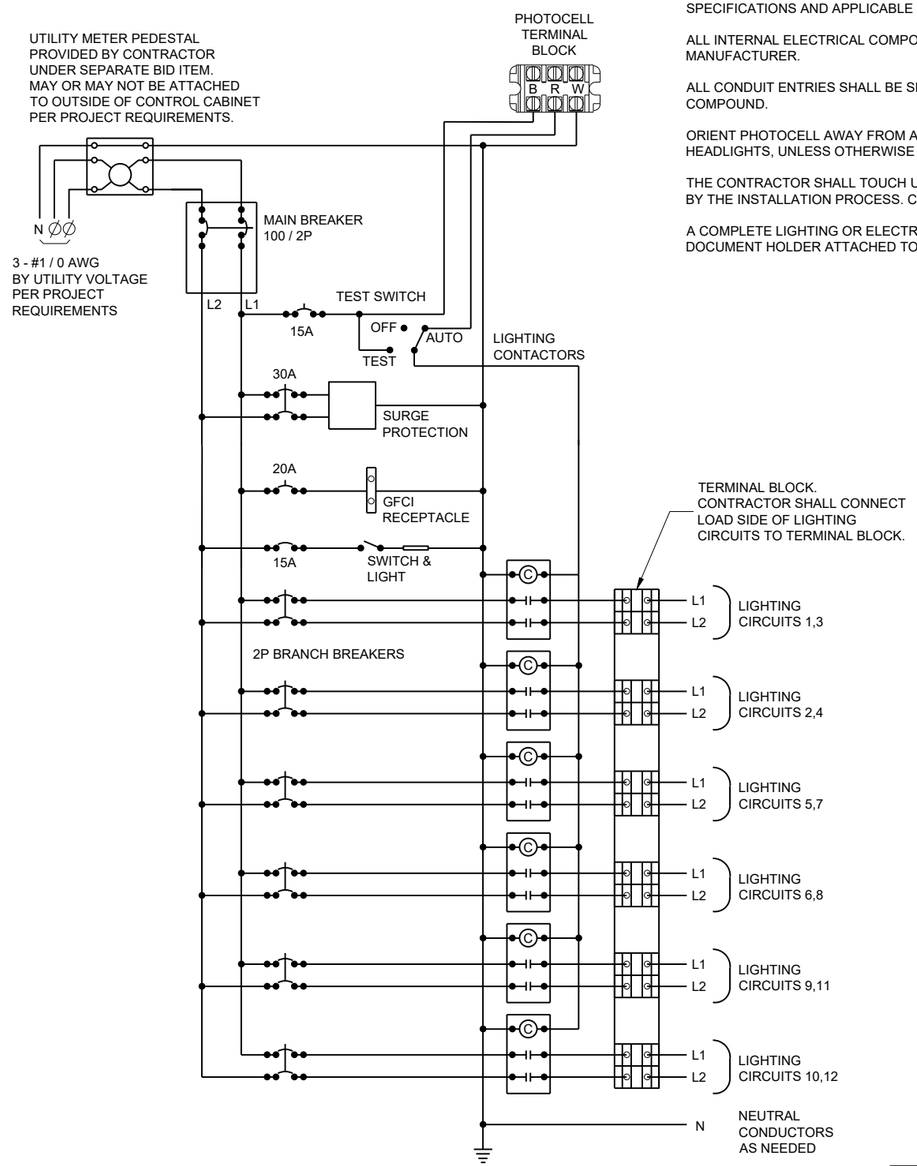


TABLE OF DIMENSIONS (INCHES)		
CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"

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

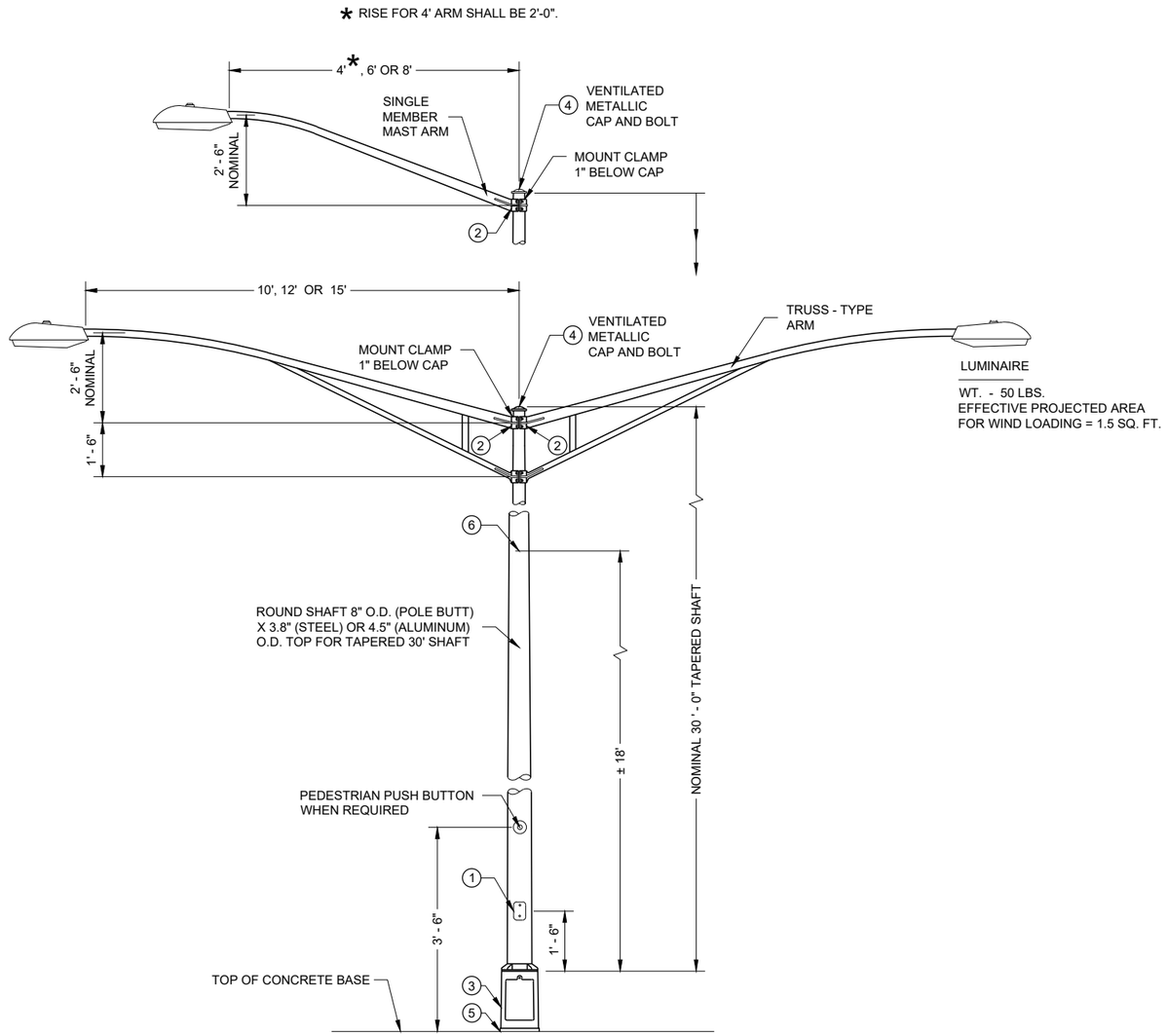
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
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SDD 09D04 - 03



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.

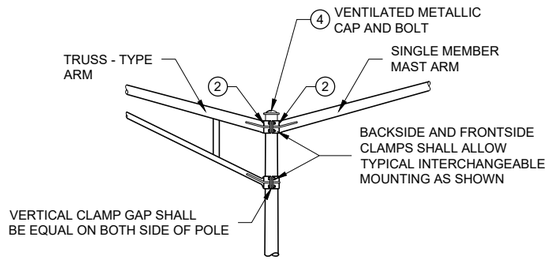
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(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.



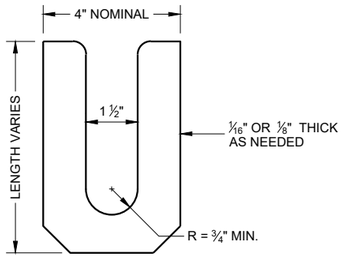
INTERCHANGEABLE MOUNTING DETAIL

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

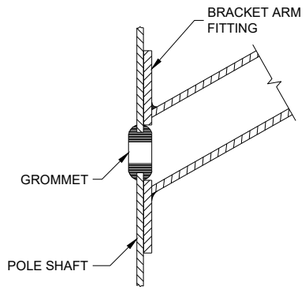
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DEPARTMENT OF TRANSPORTATION

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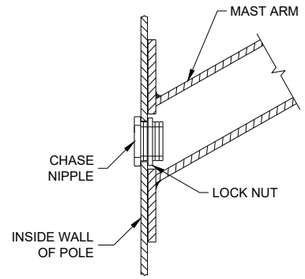
SDD 09E01 - 15d



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.

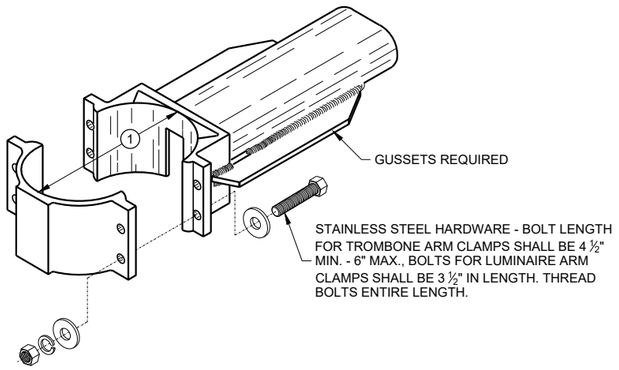
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

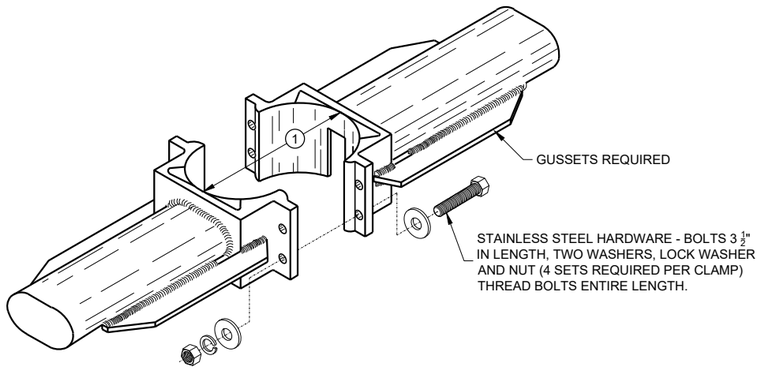
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(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.

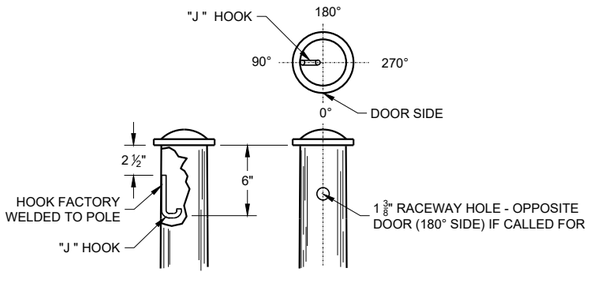
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



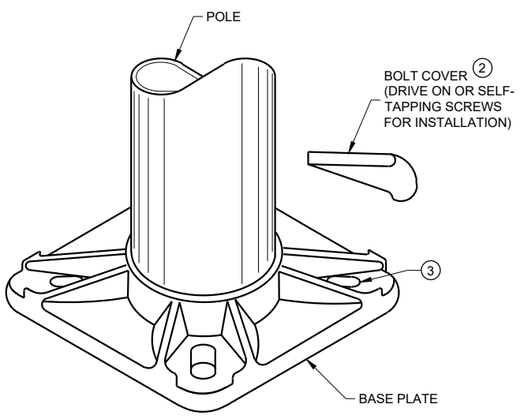
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



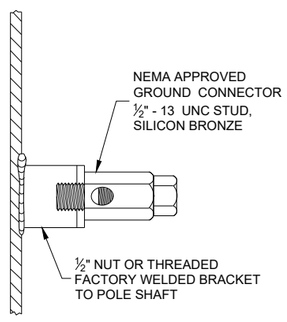
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

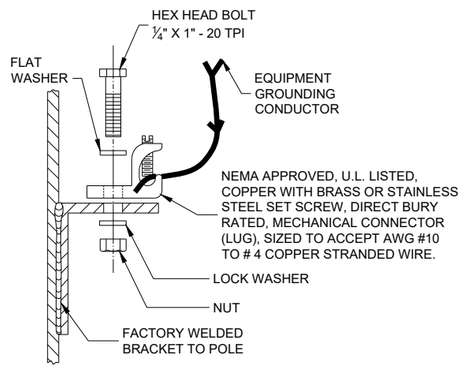


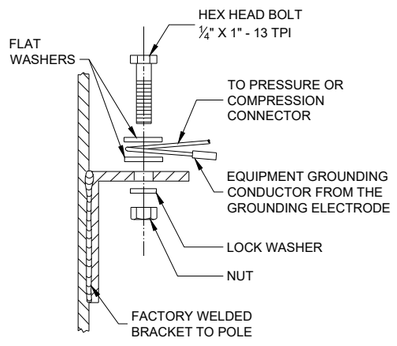
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
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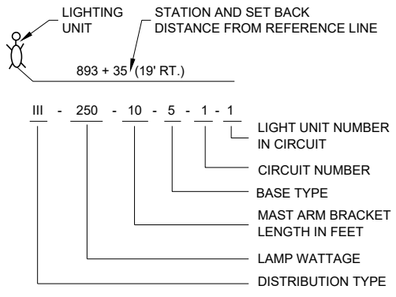
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GENERAL NOTES

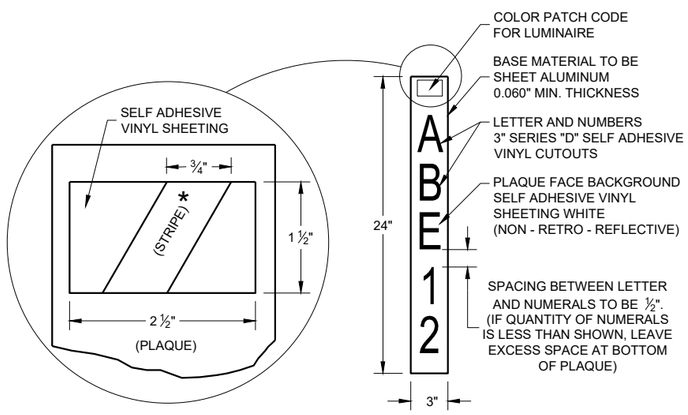
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.



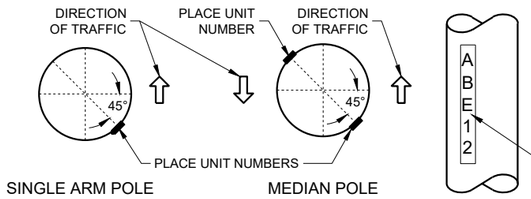
LIGHTING UNIT CODE
(TYPICAL)



COLOR PATCH CODE FOR LUMINAIRES

(HIGH PRESSURE SODIUM)	(MERCURY VAPOR)
1000 WATT - NO PATCH	400 WATT - NO PATCH
400 WATT - ORANGE	250 WATT - YELLOW
310 WATT - BLUE	
250 WATT - ORANGE W / WHITE STRIPE *	
200 WATT - RED	
150 WATT - GREEN	
100 WATT - BROWN	

IDENTIFICATION PLAQUE



NOTES

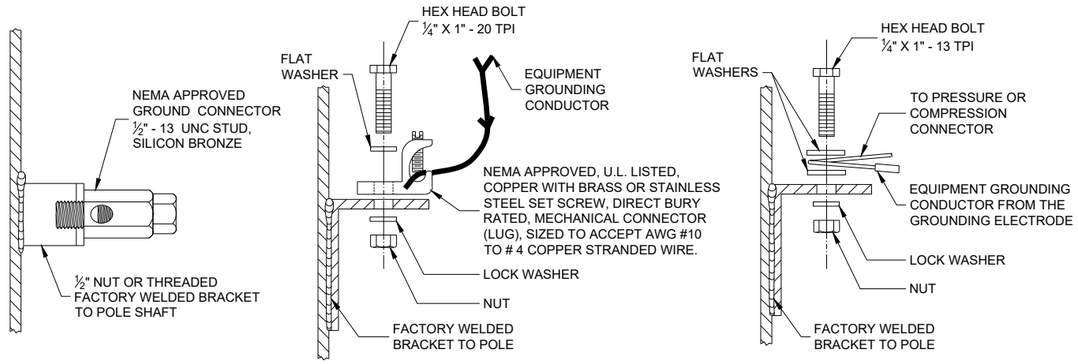
1) PLACE BOTTOM OF UNIT NUMBER PLAQUE 5'-0" ABOVE ELEVATION OF ADJACENT CURB OR SHOULDER.

2) UNIT NUMBER: ONE REQUIRED FOR SINGLE ARM POLES. TWO REQUIRED FOR MEDIAN MOUNT POLES.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE WITH 3 ALUMINUM POP RIVETS (ALUMINUM POLES) OR STAINLESS STEEL POP RIVETS (STEEL POLES).

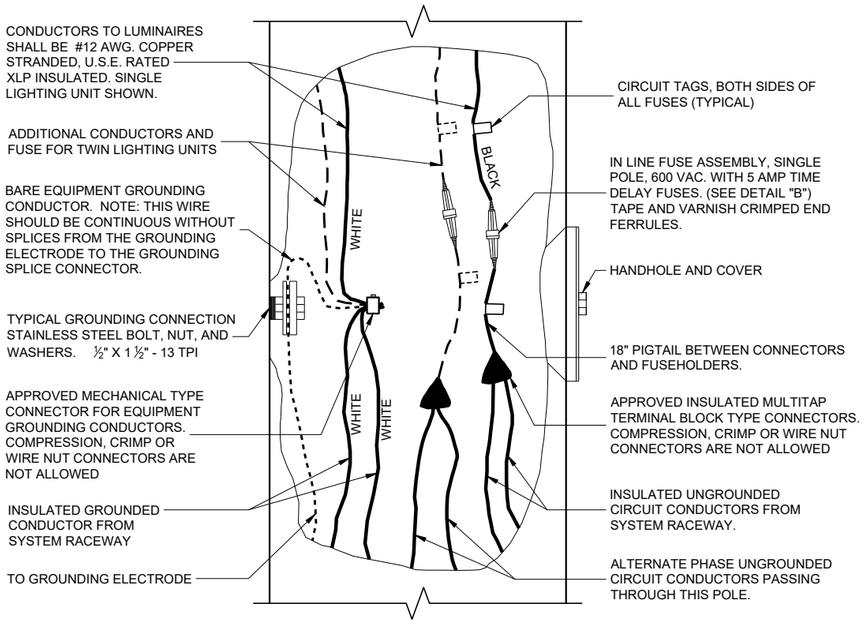
LIGHTING UNIT IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENT
(TYPICAL, ALL LIGHTING UNITS)

FURNISH PLAQUE WHEN CALLED FOR BY SPECIAL PROVISIONS

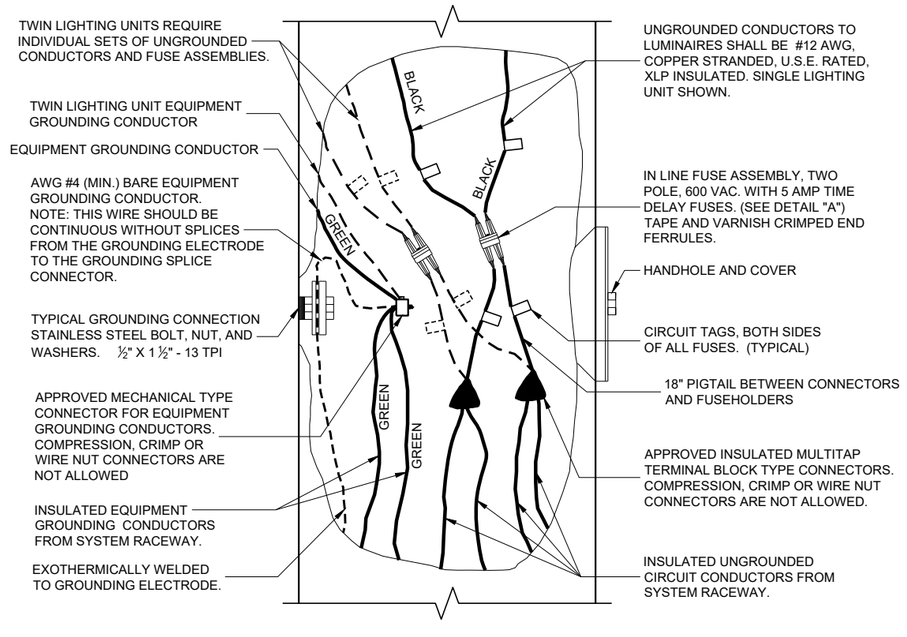


TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

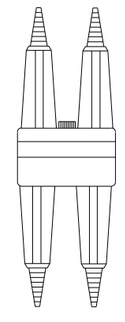
OLD EXISTING FREEWAY WIRING (SOME AREAS)



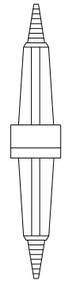
2 WIRE - 120, 240, OR 480 VAC TO GROUND



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR



DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT

FREEWAY LIGHTING UNIT POLE WIRING

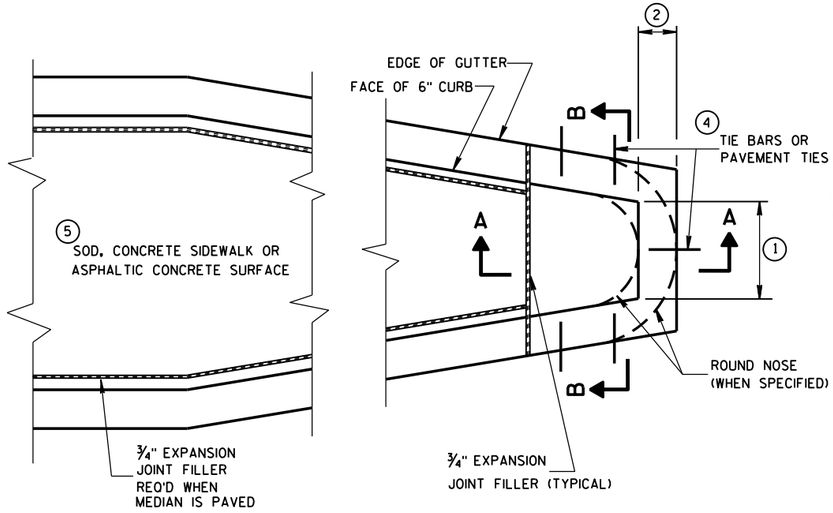
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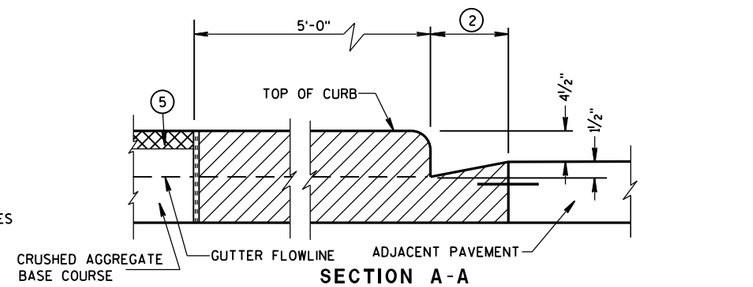
APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 156

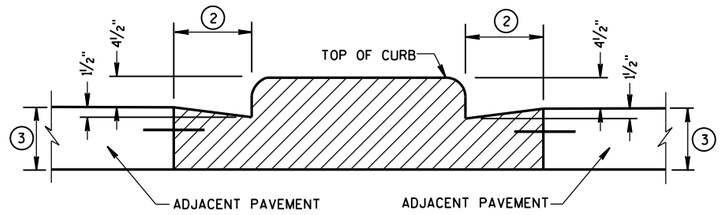
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SECTION A-A



SECTION B-B

CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

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

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

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

(1) NEW OR EXISTING CONCRETE PAVEMENT.

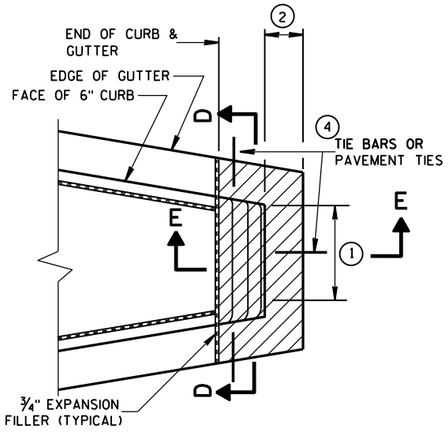
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

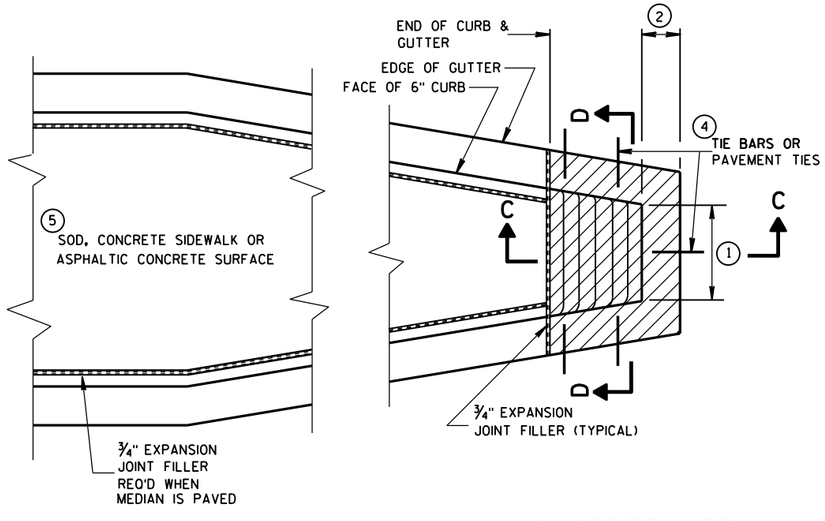
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

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

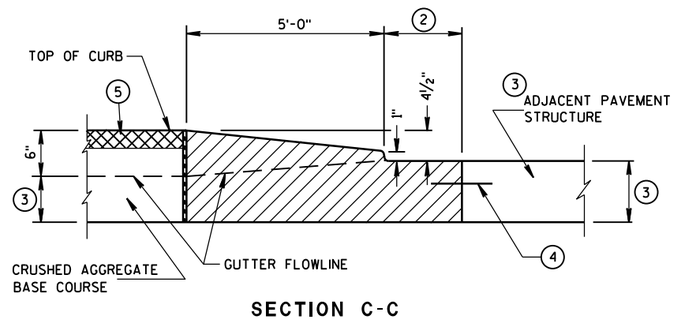
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

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

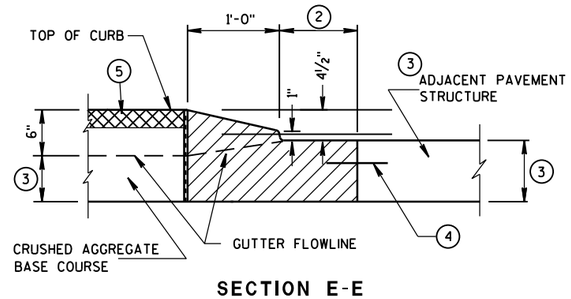




CONCRETE MEDIAN SLOPED NOSE TYPE 1

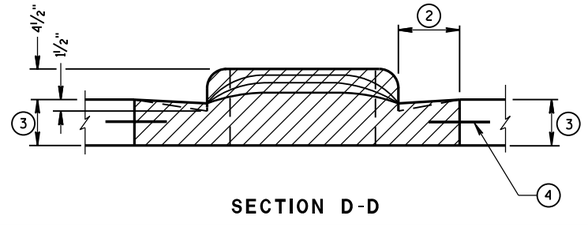


SECTION C-C



SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2



SECTION D-D

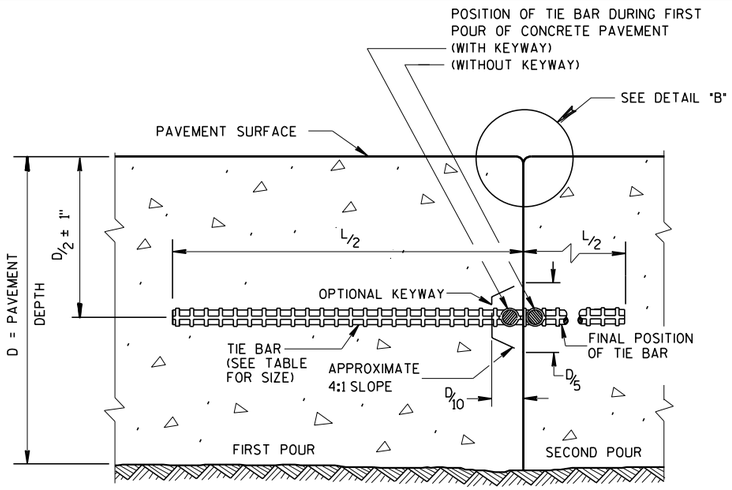
CONCRETE MEDIAN NOSE

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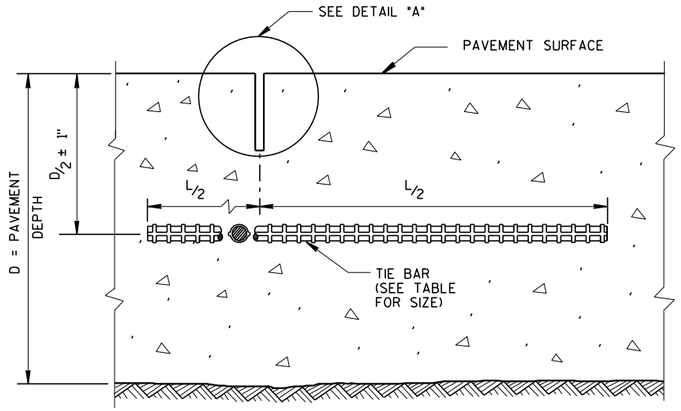
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6/8/2006 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
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CONSTRUCTION JOINT



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.

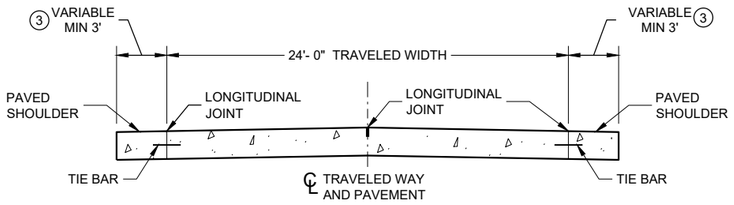
PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

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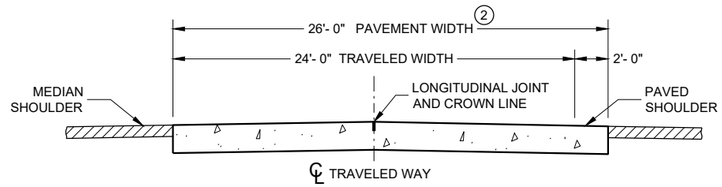
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March 2018
DATE
/S/ Peter Kemp, PE
PAVEMENT SUPE
FHWA

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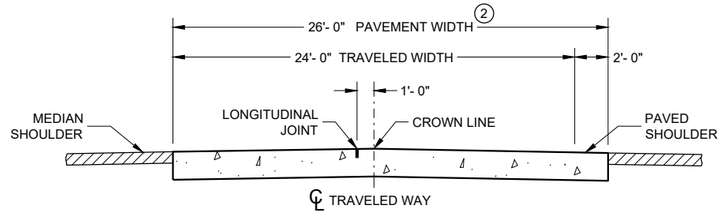


SECTION A - A

TWO-LANE TWO-WAY HIGHWAY (1)



SECTION B - B



ALTERNATIVE SECTION B - B

DIVIDED HIGHWAY (1)

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.

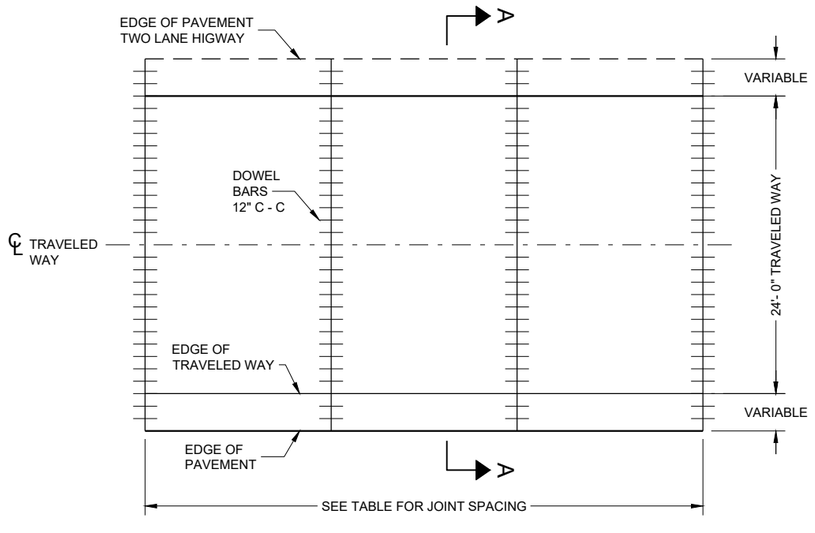
(1) REFER TO TYPICAL CROSS SECTIONS FOR ADDITIONAL DETAILS.

(2) MEASURE THE ENTIRE PAVED WIDTH INCLUDING THE PORTION(S) LABELED "PAVED SHOULDER" AS CONCRETE PAVEMENT.

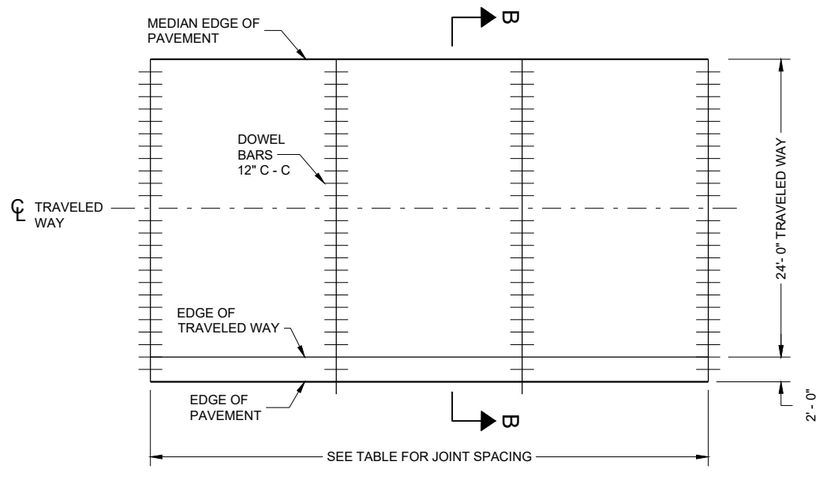
(3) SHOULDER WIDTHS LESS THAN 3 FEET SHALL BE PAVED INTEGRAL TO THE MAINLINE CONCRETE PAVEMENT, SEE SECTION B-B.

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'



CONTRACTION JOINT LAYOUT FOR TWO-LANE TWO-WAY HIGHWAY



CONTRACTION JOINT LAYOUT FOR DIVIDED HIGHWAY

RURAL DOWELED CONCRETE PAVEMENT

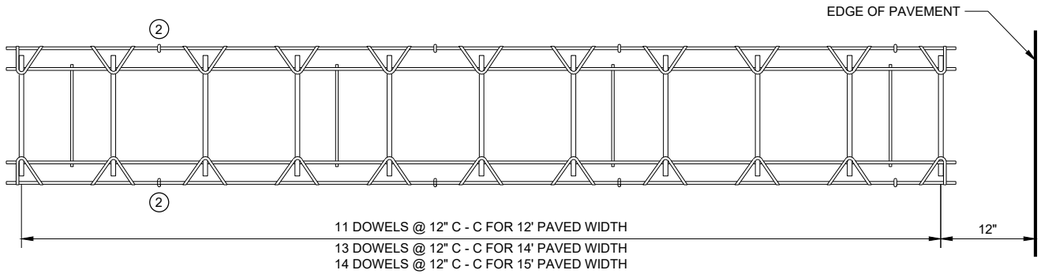
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

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SDD 13C11 - 14a

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SDD13C11 - 14a



PLAN VIEW



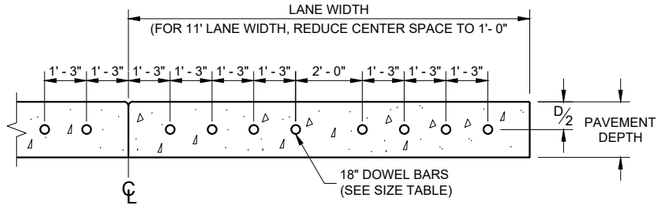
SIDE VIEW

(NORMAL TO CENTERLINE)

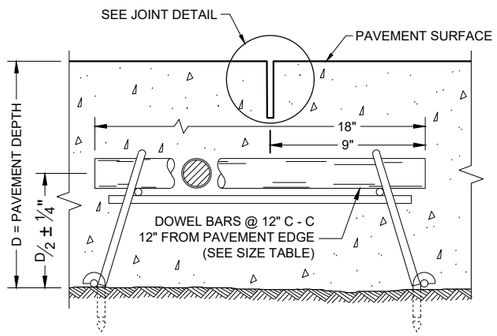
CONTRACTION JOINT DOWEL ASSEMBLY (1)

GENERAL NOTES

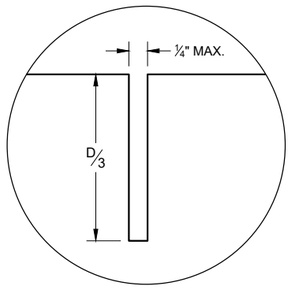
1. OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTION CONTRACTION JOINTS.
2. SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND 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.



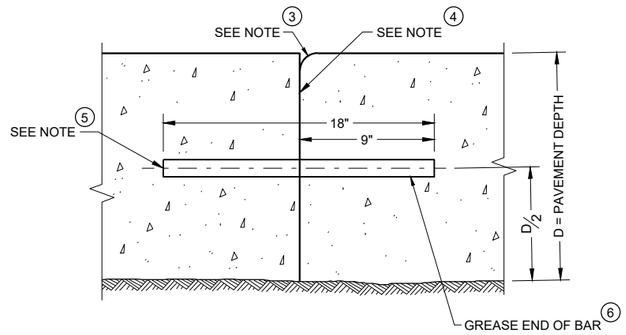
DRILLED DOWEL BAR CONSTRUCTION JOINT (7)



DOWELED CONTRACTION JOINT



JOINT DETAIL



TRANSVERSE CONSTRUCTION JOINT

RURAL DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVISOR

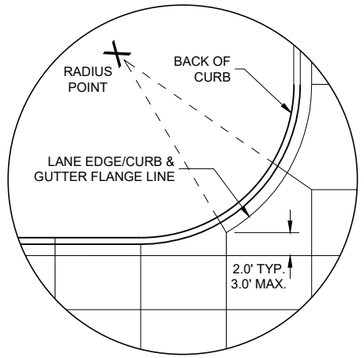
FHWA

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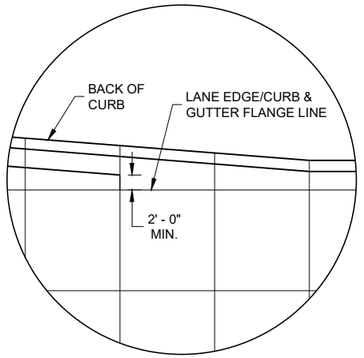
SDD 13C11 - 14b

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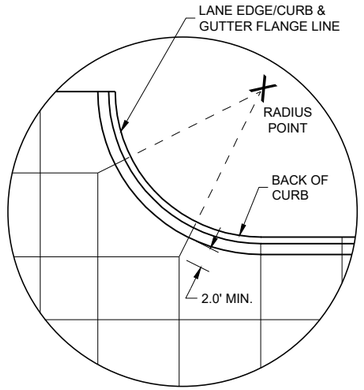
SDD 13C11 - 14b



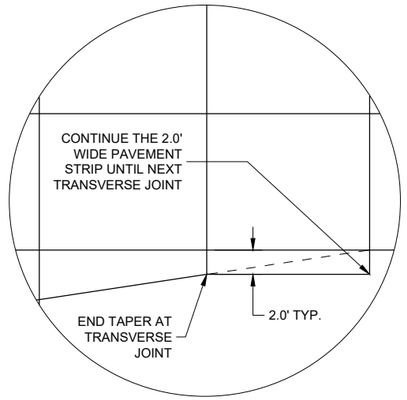
DETAIL "A"



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.

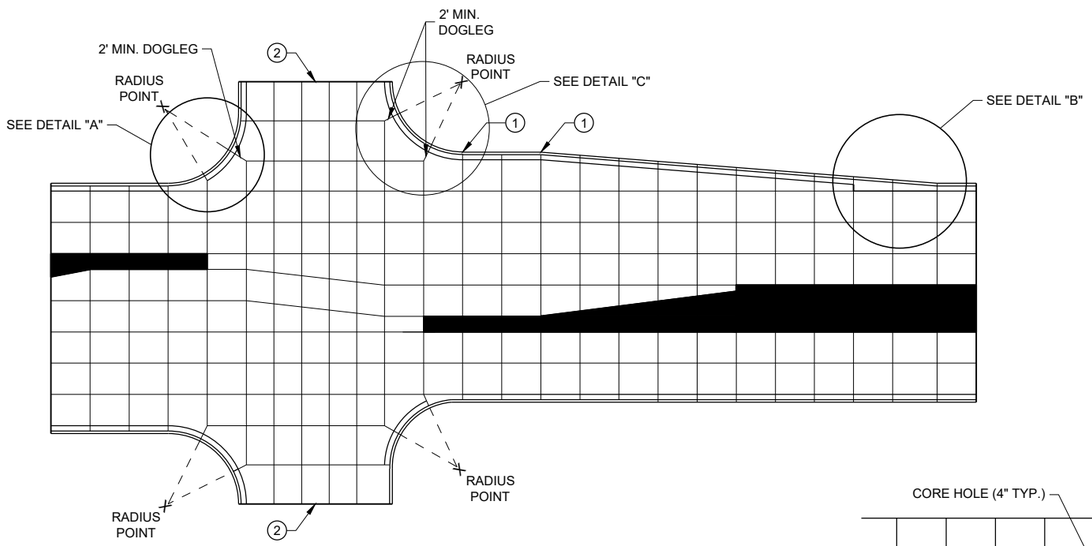
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

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.

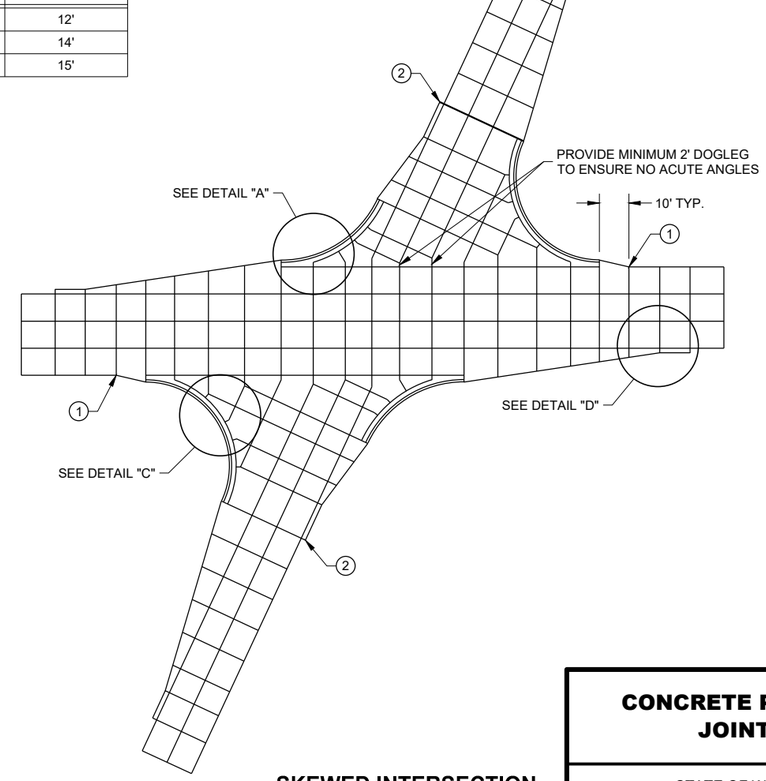
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



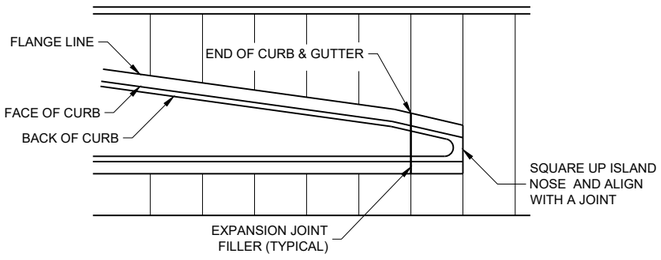
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

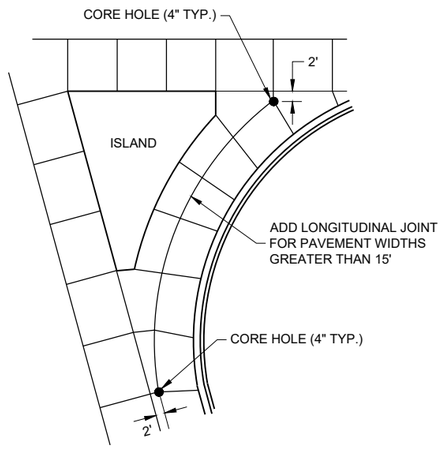
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 13C18 - 08a

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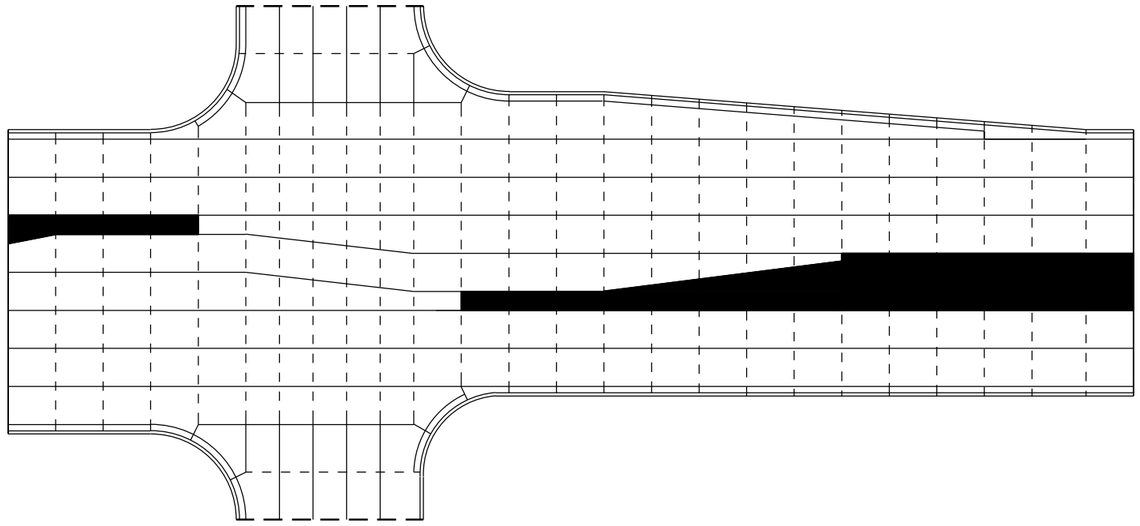
SDD 13C18 - 08a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

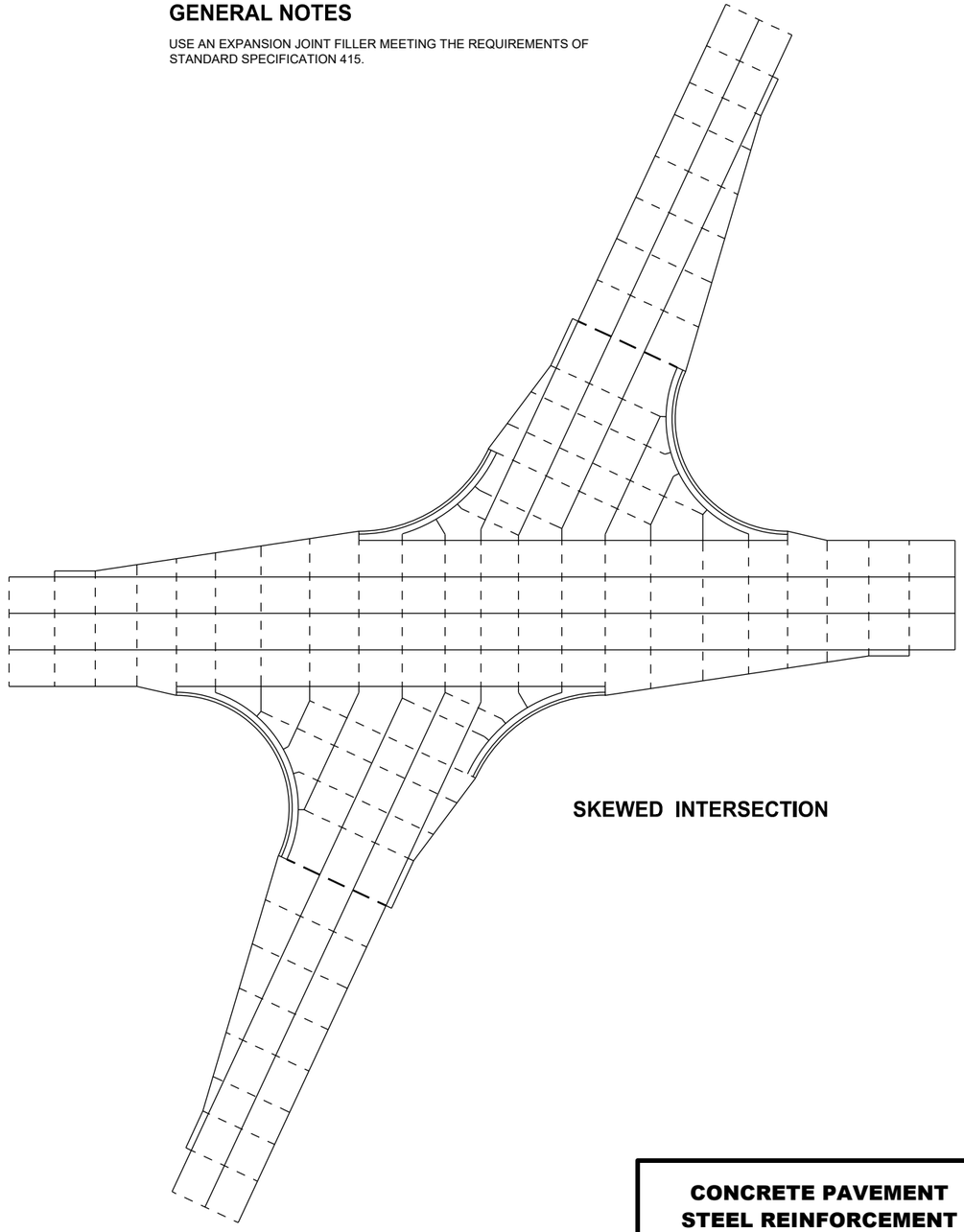
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

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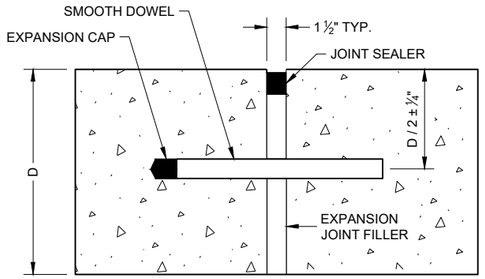
SDD 13C18 - 08b

CONCRETE PAVEMENT STEEL REINFORCEMENT

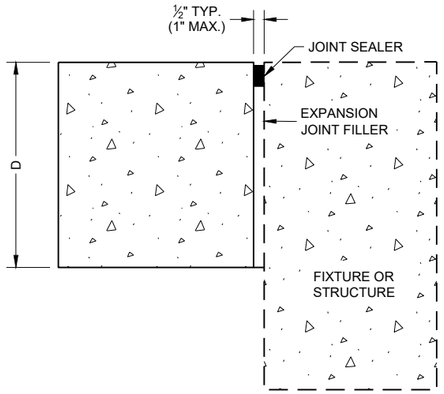
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

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SDD 13C18 - 08b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

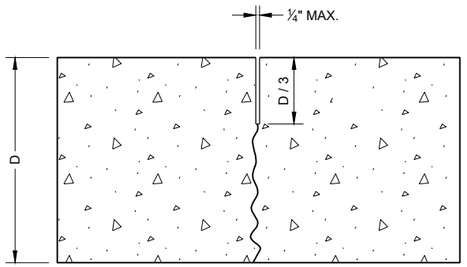
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

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

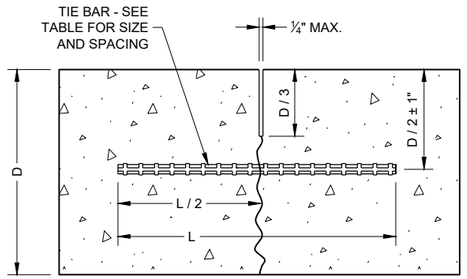
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

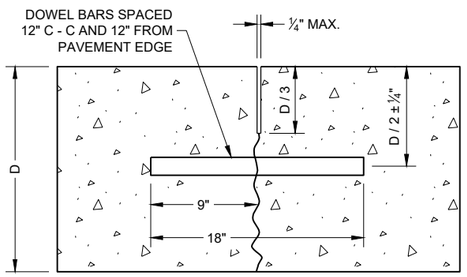
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM 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

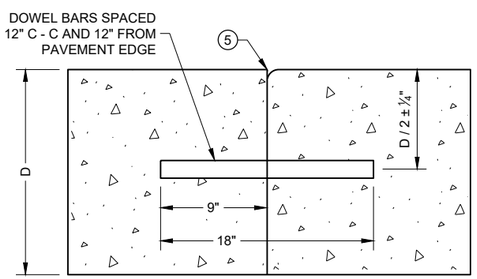


TIED LONGITUDINAL

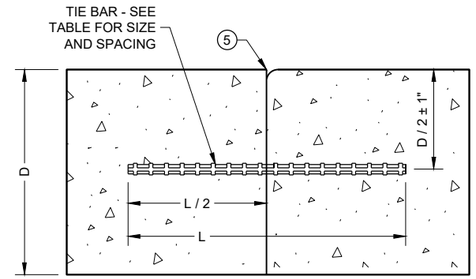


DOWELED TRANSVERSE

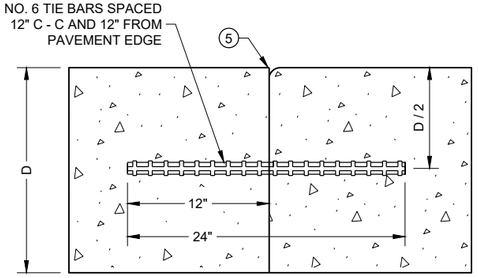
CONTRACTION JOINTS (2)



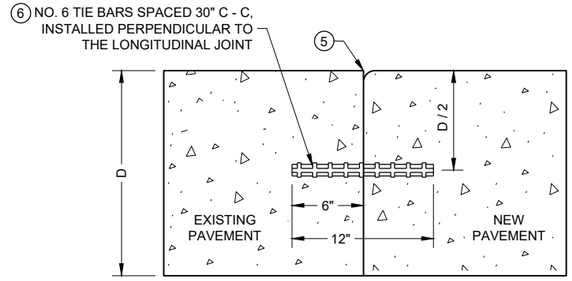
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



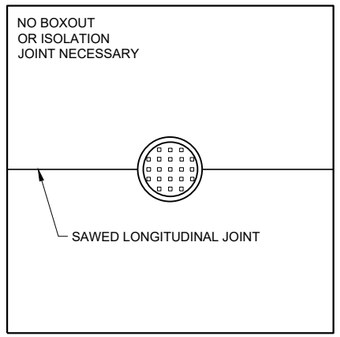
TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



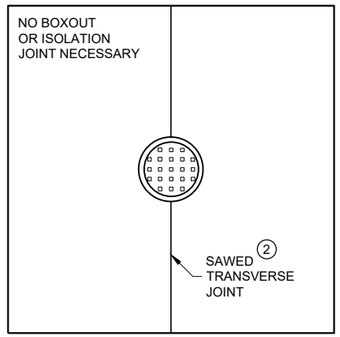
TIED LONGITUDINAL TO EXISTING

CONSTRUCTION JOINTS (4)

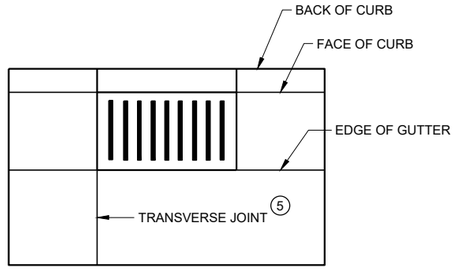
CONCRETE PAVEMENT JOINT TYPES



MANHOLE WITH LONGITUDINAL JOINT



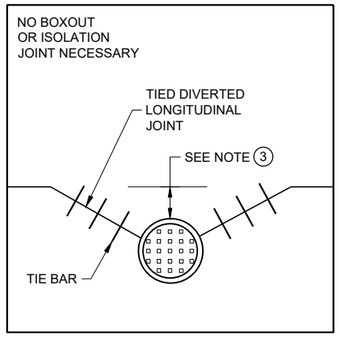
MANHOLE WITH TRANSVERSE JOINT



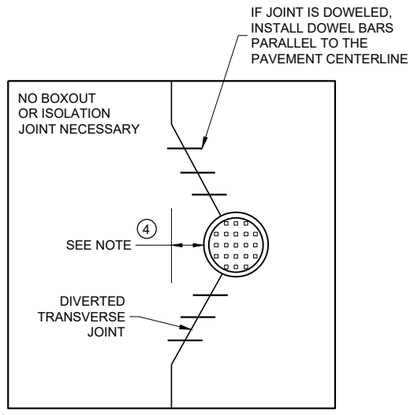
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

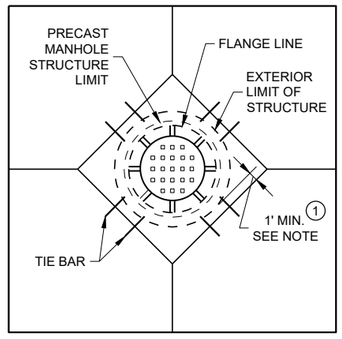
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF 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

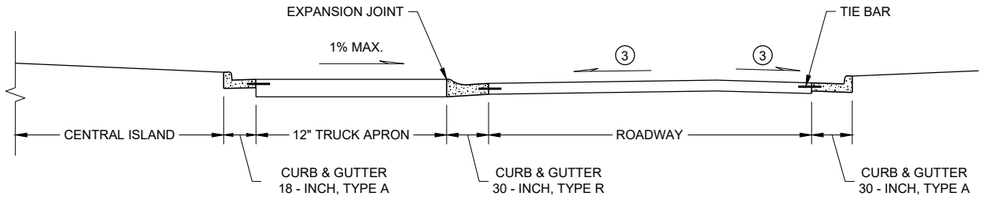
FHWA

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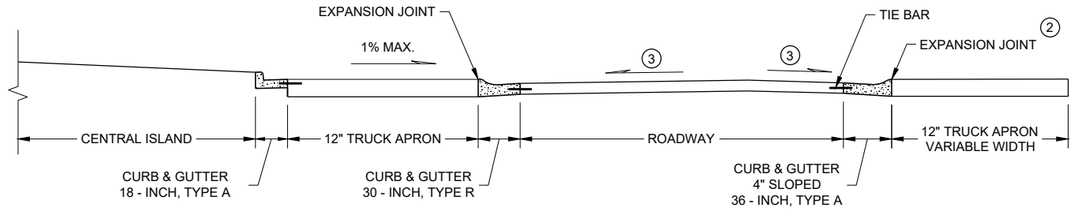
SDD13C18 - 08d

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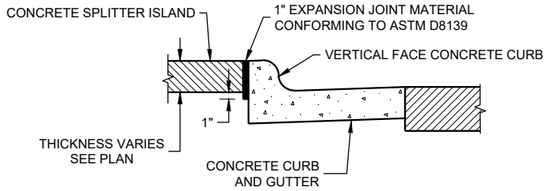
SDD13C18 - 08d



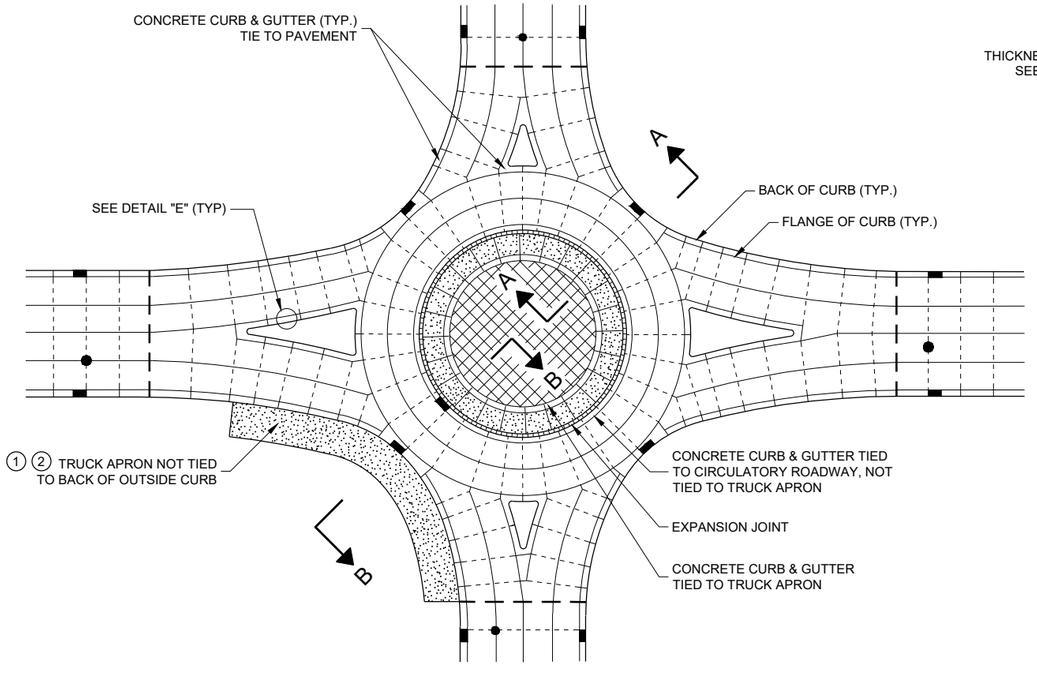
SECTION A - A



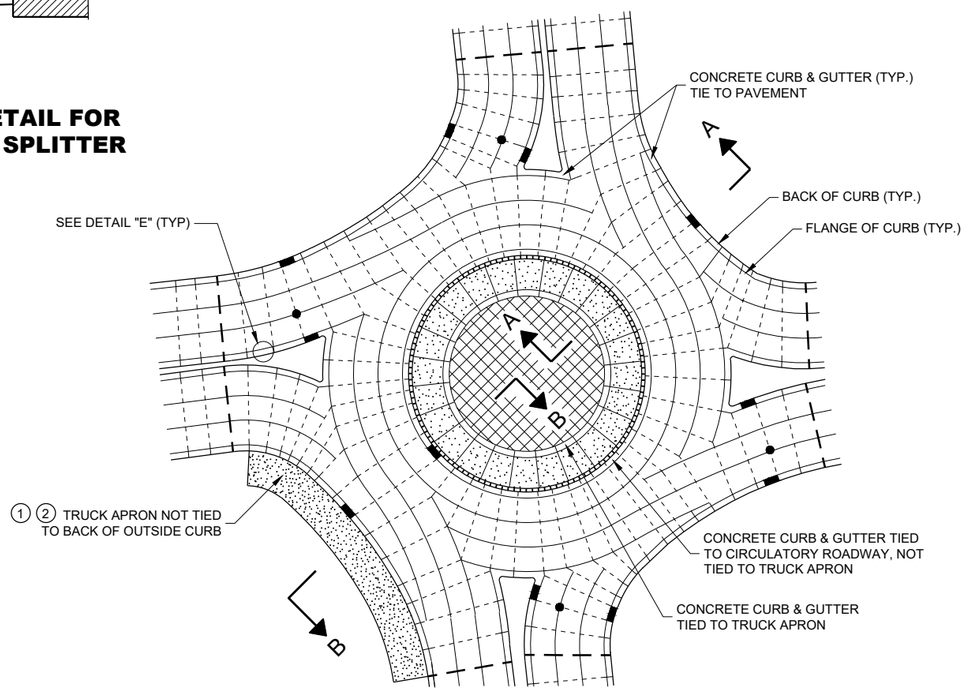
SECTION B - B



DETAIL 'E'
EXPANSION JOINT DETAIL FOR VERTICAL CURB AT A SPLITTER ISLAND



ISOLATED CIRCLE JOINT LAYOUT FOR ROUNDABOUTS



PINWHEEL JOINT LAYOUT FOR ROUNDABOUTS

GENERAL NOTES

MAXIMUM JOINT SPACING IS IN ACCORDANCE WITH THE TABLE SHOWN ON SDD 13C18 - SHEET "a"

USE EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.

DO NOT DOWEL OR TIE THE TRUCK APRON TRANSVERSE JOINTS.

(1) DESIGNER DETERMINES SIZE AND LOCATION(S) OF TRUCK APRON TO ACCOMMODATE TRACKING OF OVERSIZE / OVERWEIGHT VEHICLES.

(2) TIE THE OUTSIDE TRUCK APRON TO THE BACK SIDE OF CURB ONLY WHEN ENTIRE TRUCK APRON IS LESS THAN 3 FEET.

(3) CONFORM TO PLAN CONSTRUCTION DETAILS FOR CIRCULATORY ROADWAY CROSS SLOPE.

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT
- TRUCK APRON
- CENTRAL ISLAND
- UTILITY STRUCTURES

CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

FHWA

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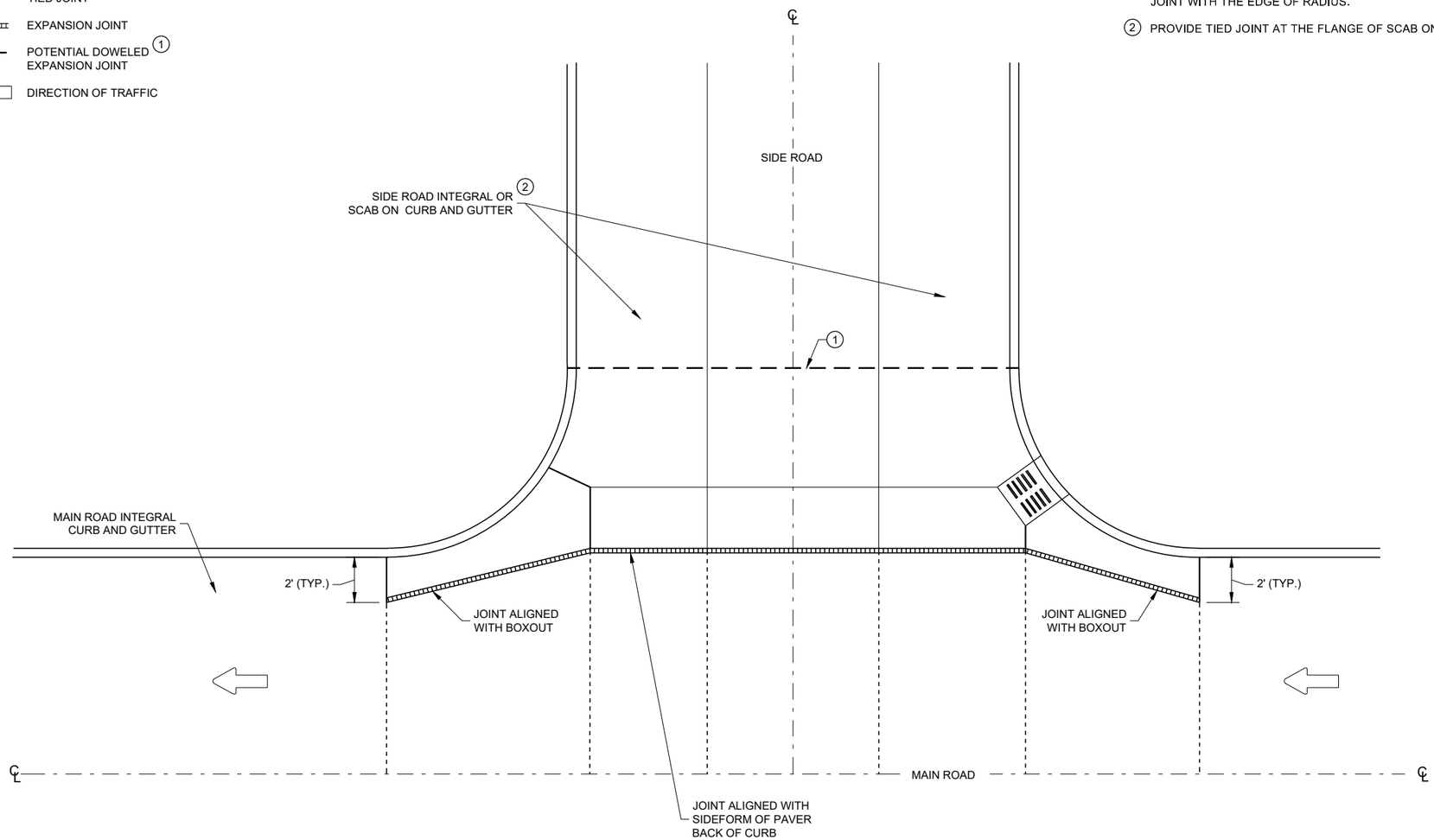
SDD 13C18 - 08e

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SDD 13C18 - 08e

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

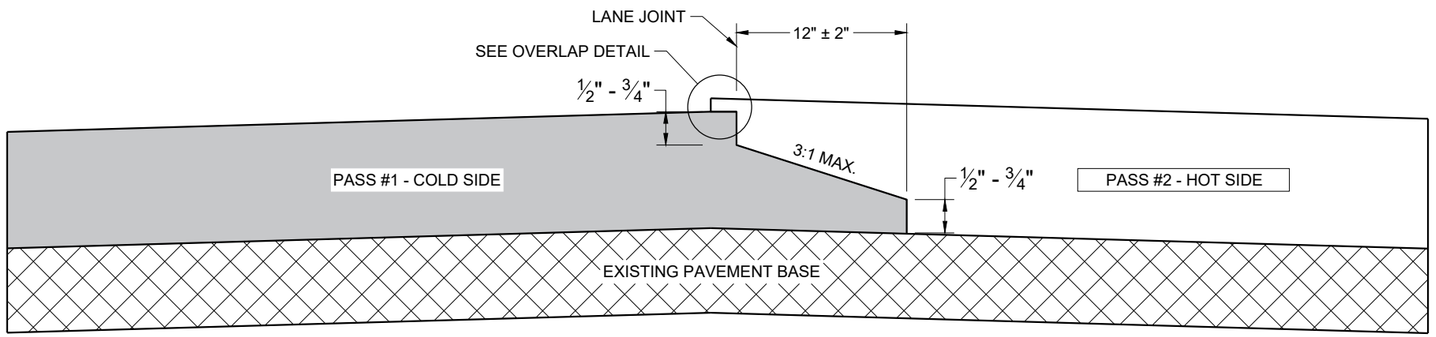
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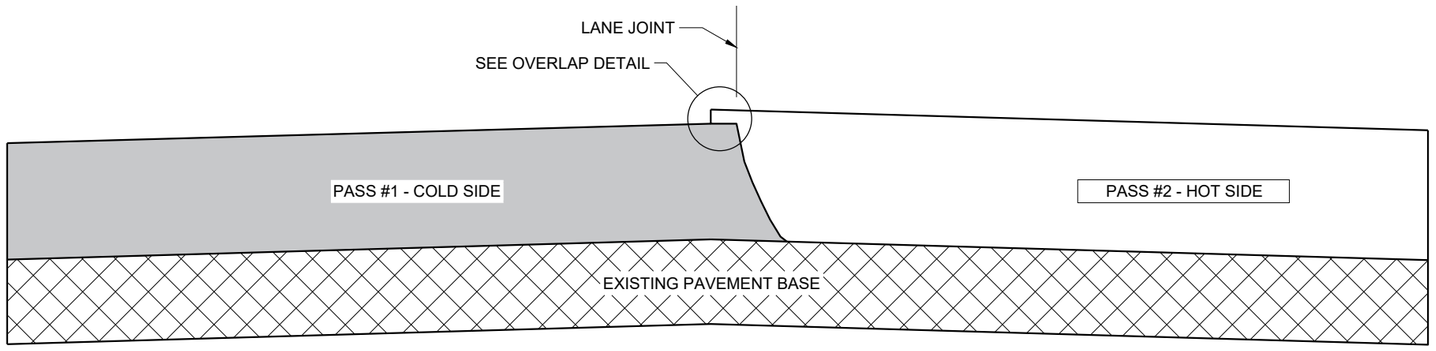
SDD 13C18 - 08f

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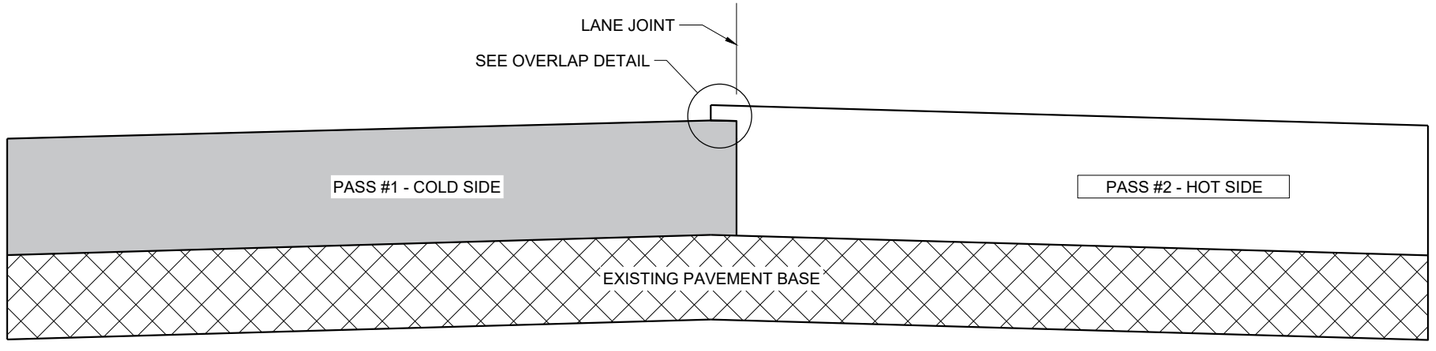
SDD 13C18 - 08f



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

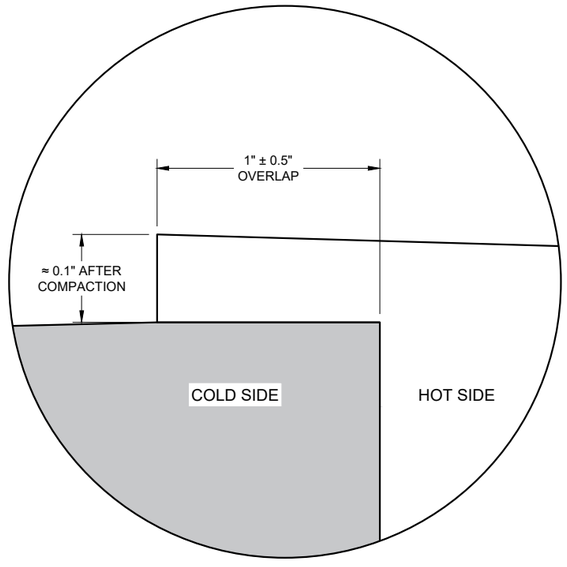
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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

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

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

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



OVERLAP DETAIL (TYPICAL)

6

6

SDD 13C19 - 03

SDD 13C19 - 03

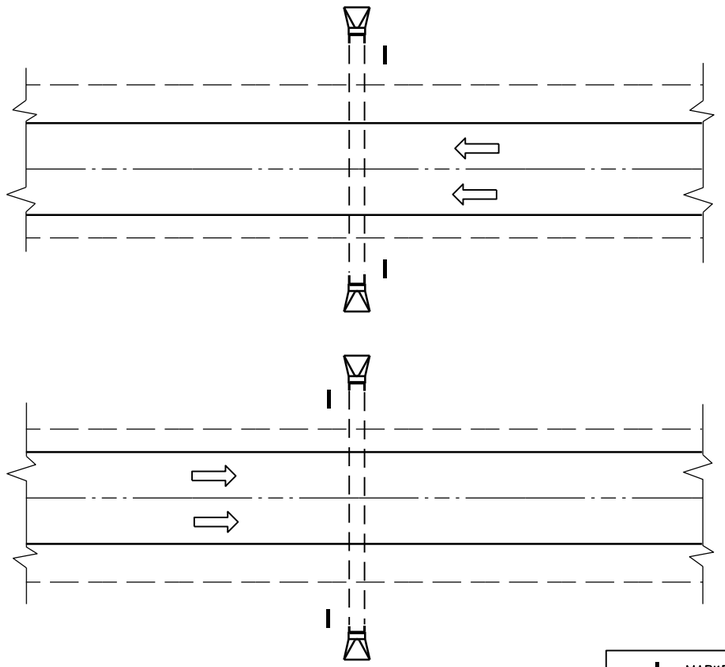
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

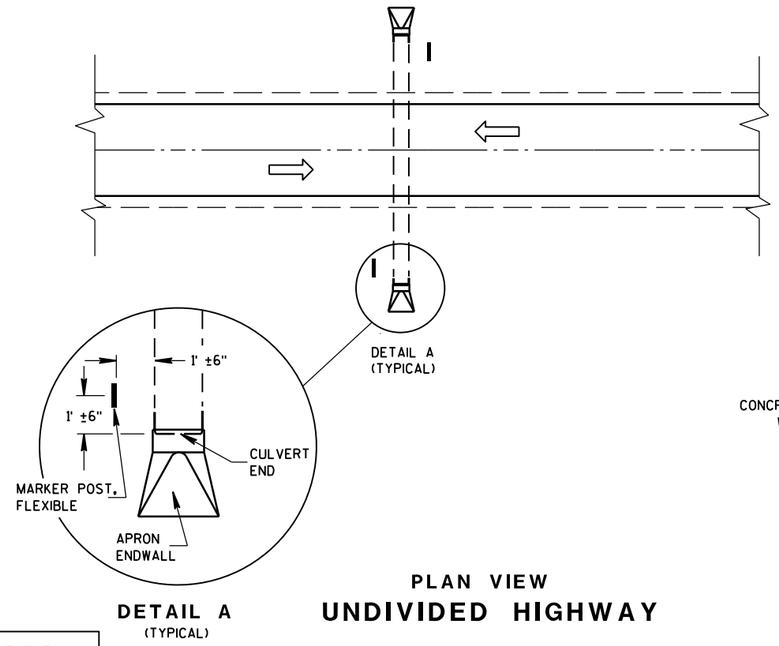
/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

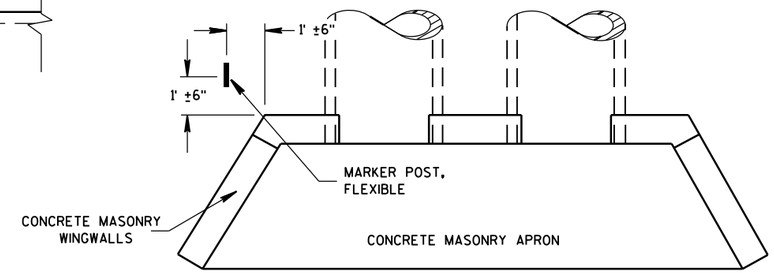
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

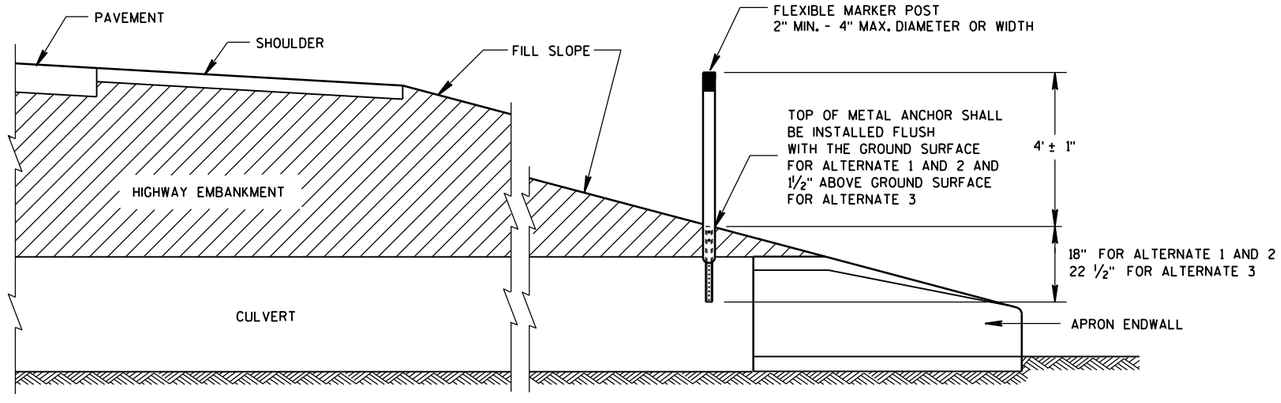
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST
FOR CULVERT END

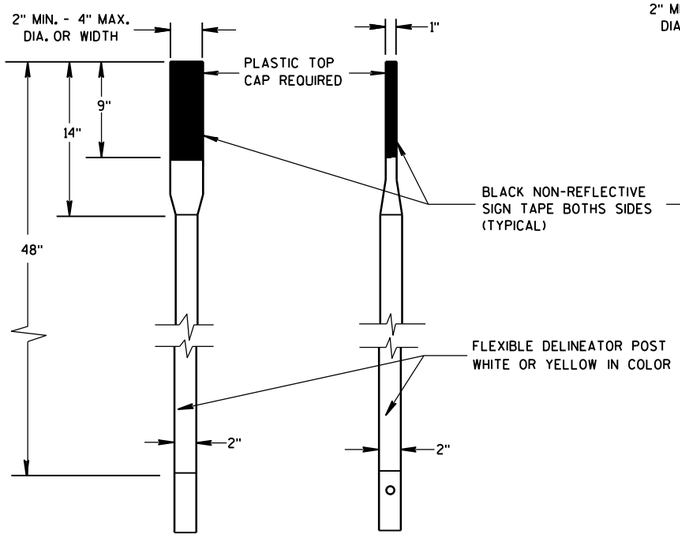
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

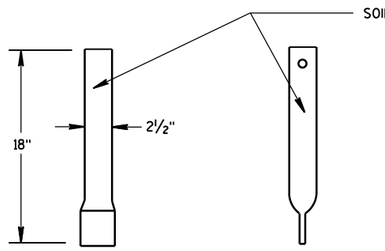
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S.D.D. 15 A 3-2a

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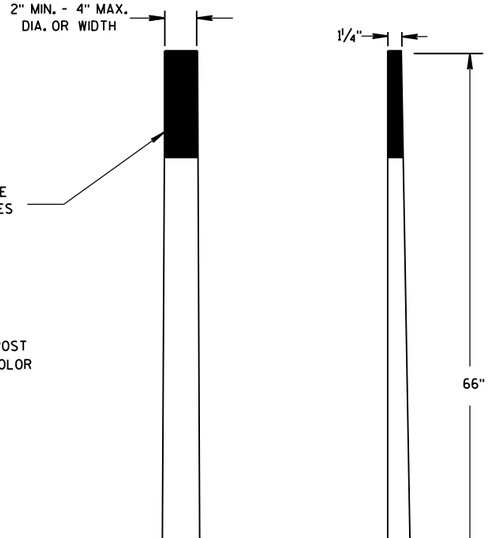
S.D.D. 15 A 3-2a





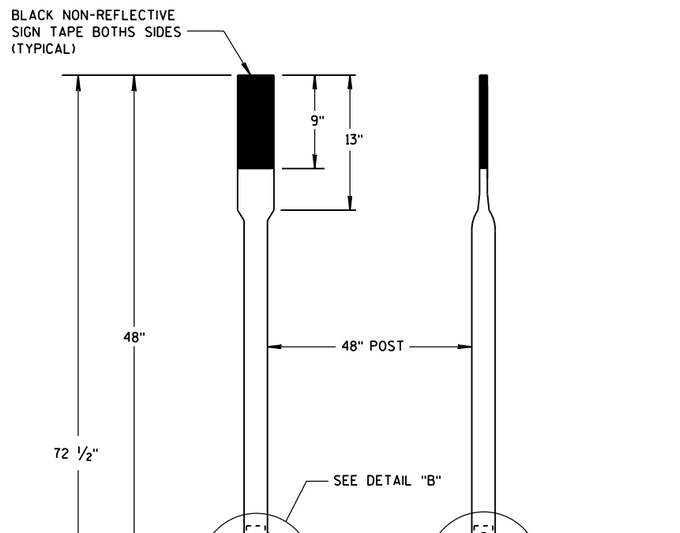
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

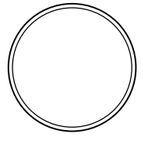
ALTERNATE 2



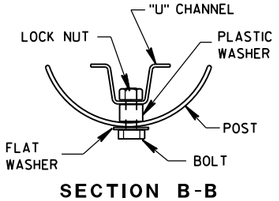
FRONT VIEW SIDE VIEW

ALTERNATE 3

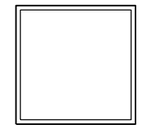
FLEXIBLE MARKER POSTS



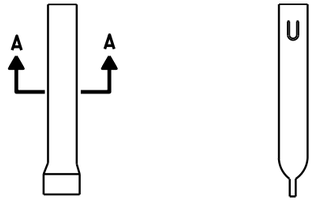
SECTION A-A



SECTION B-B

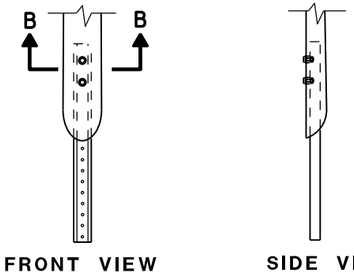


SECTION C-C



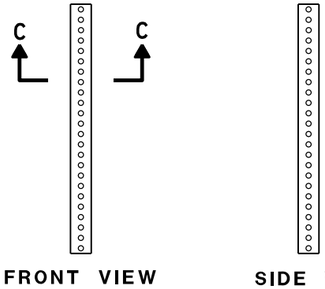
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

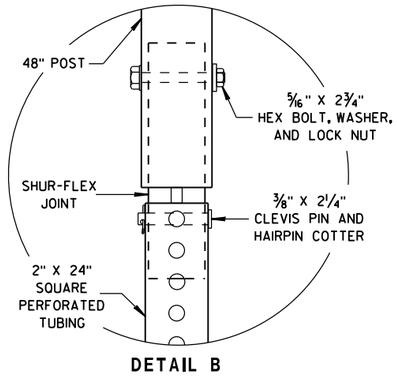
ALTERNATE 2



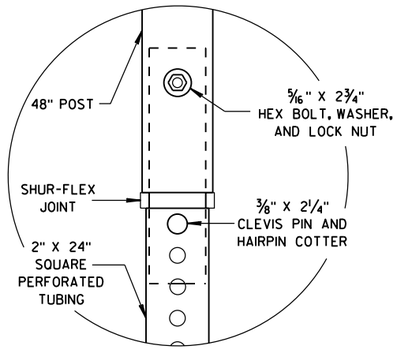
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

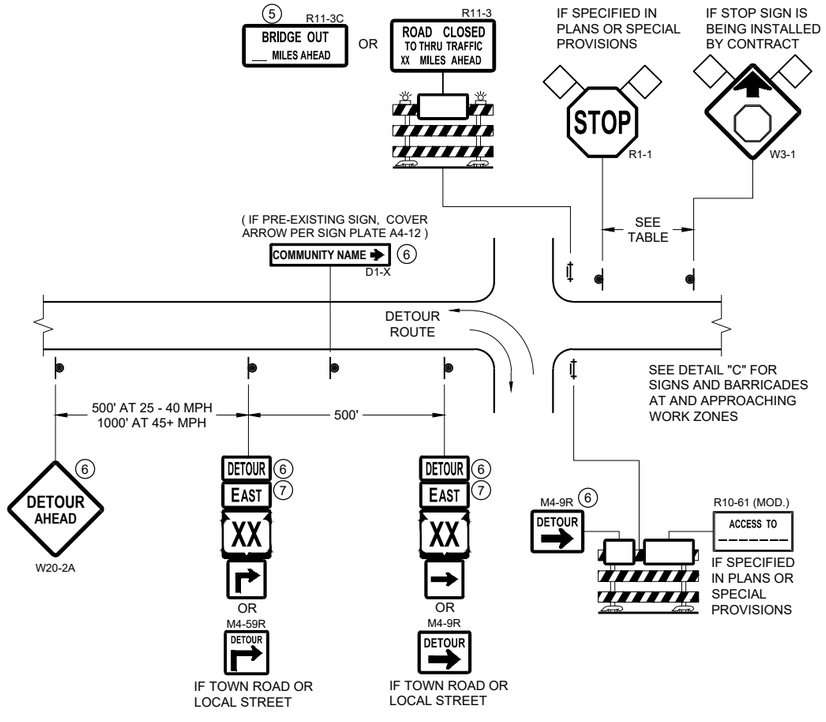
APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

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S.D.D. 15 A 3-2b

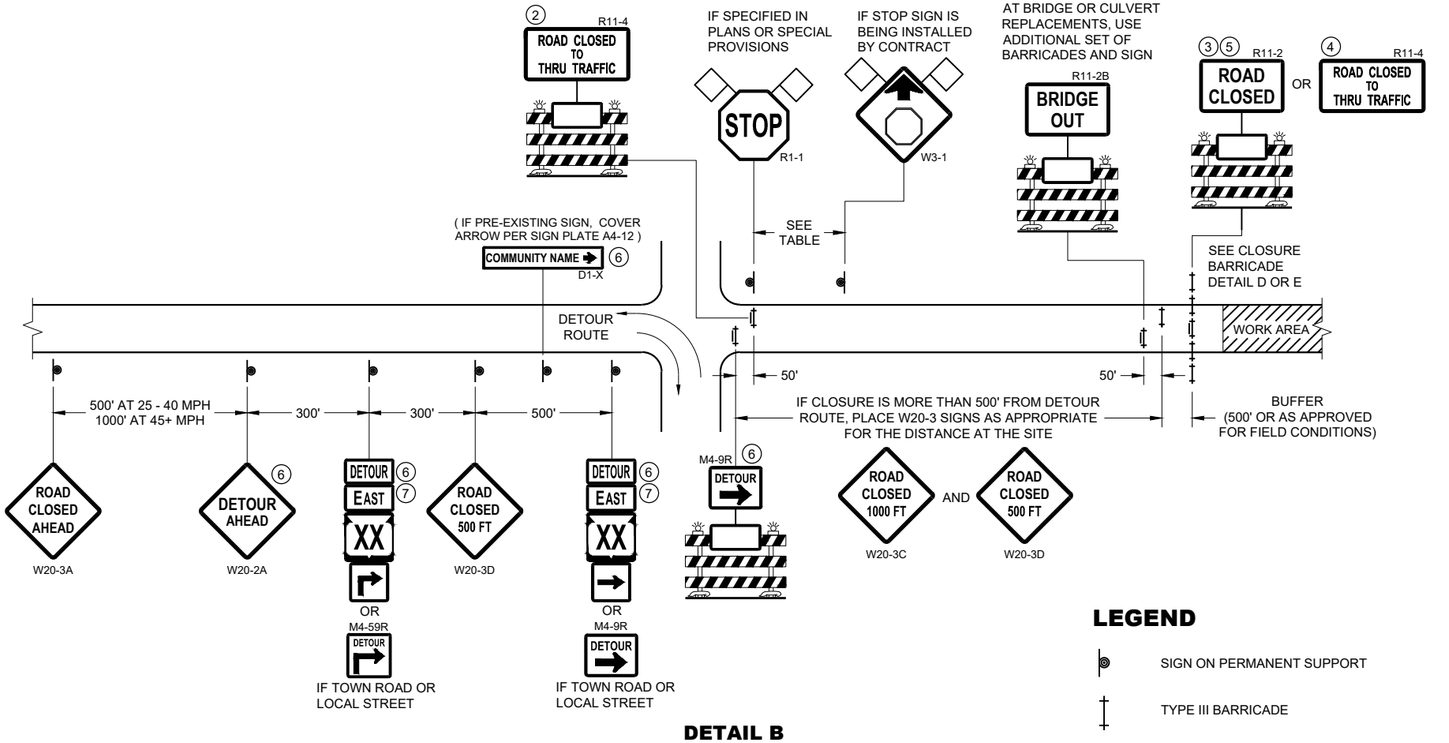
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S.D.D. 15 A 3-2b



DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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



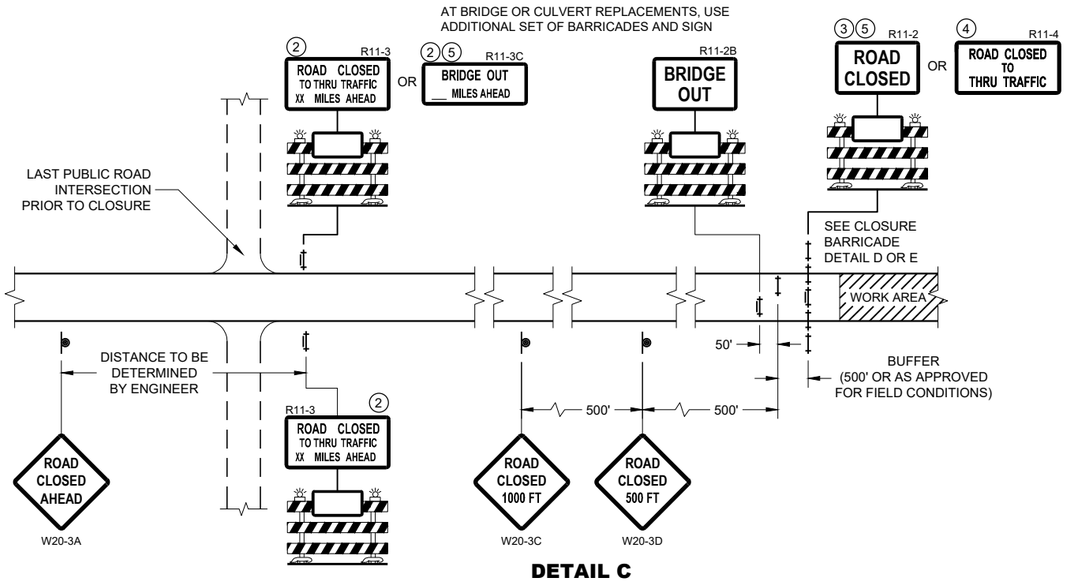
DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

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

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



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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

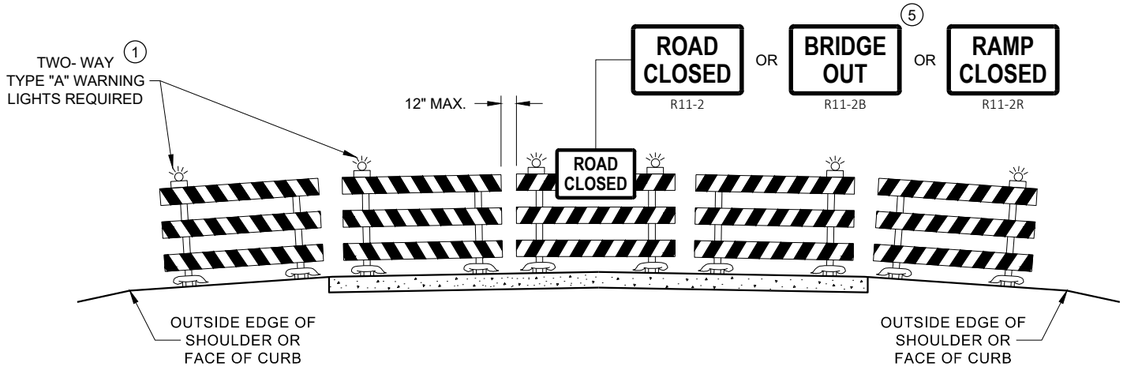
APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

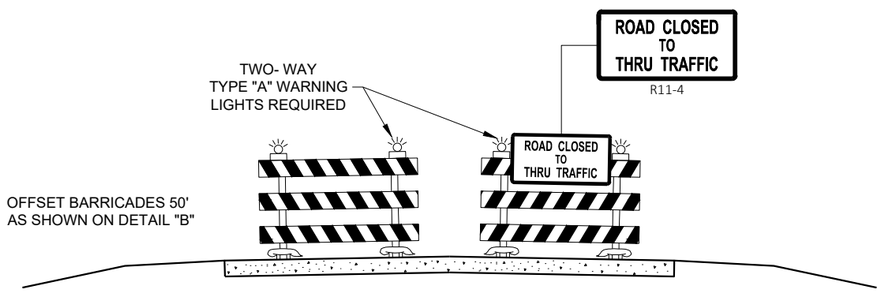
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SDD 15C02 - 09a

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.

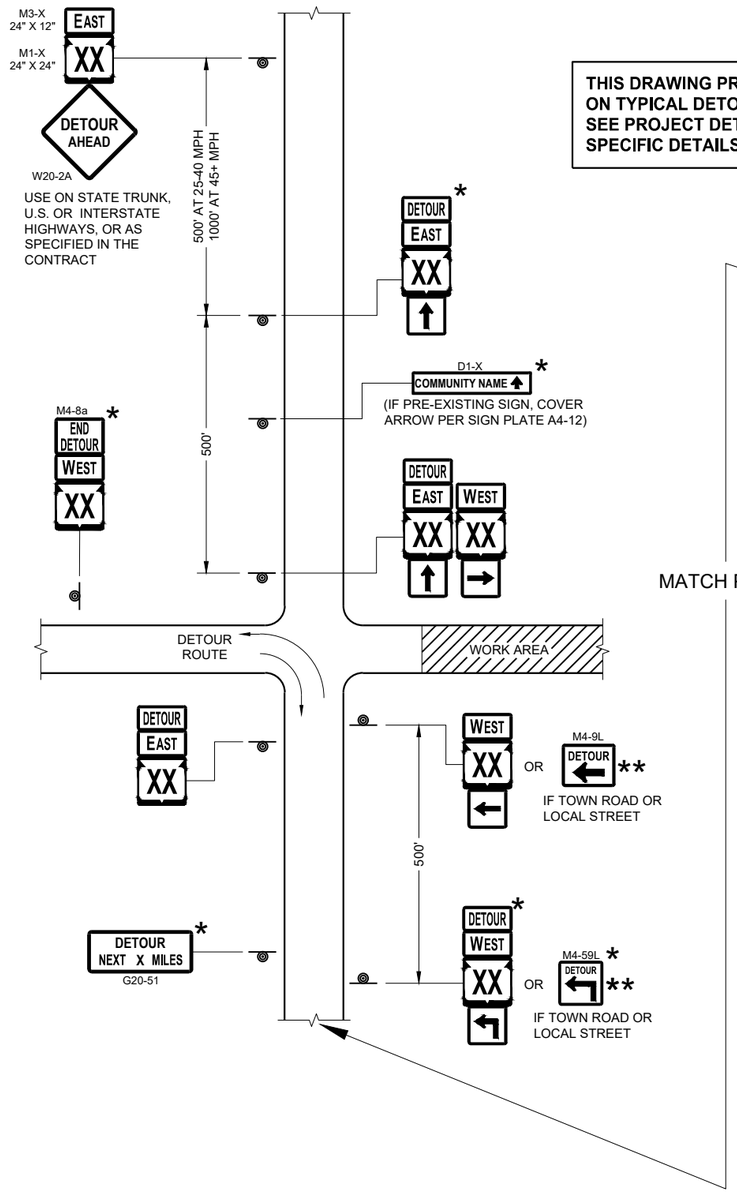
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

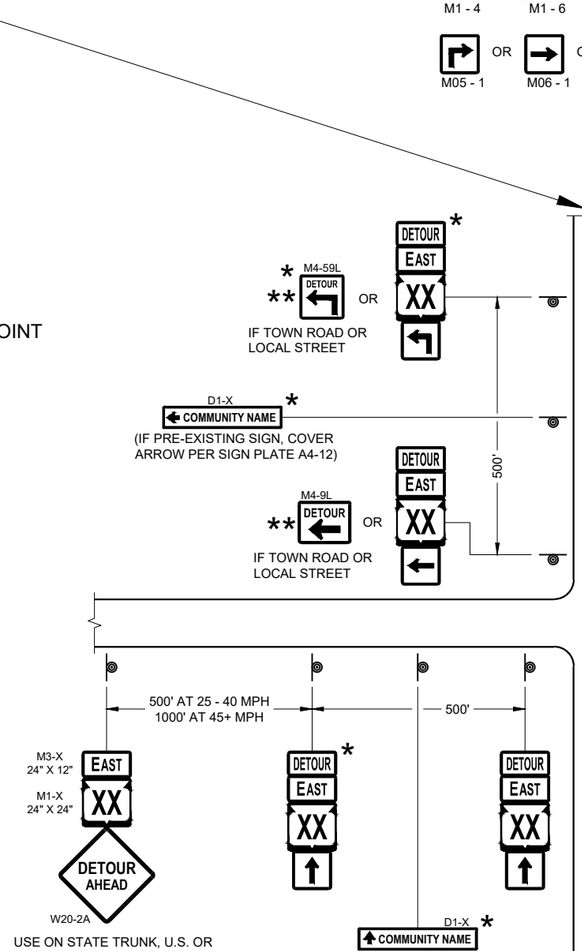
- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING 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.

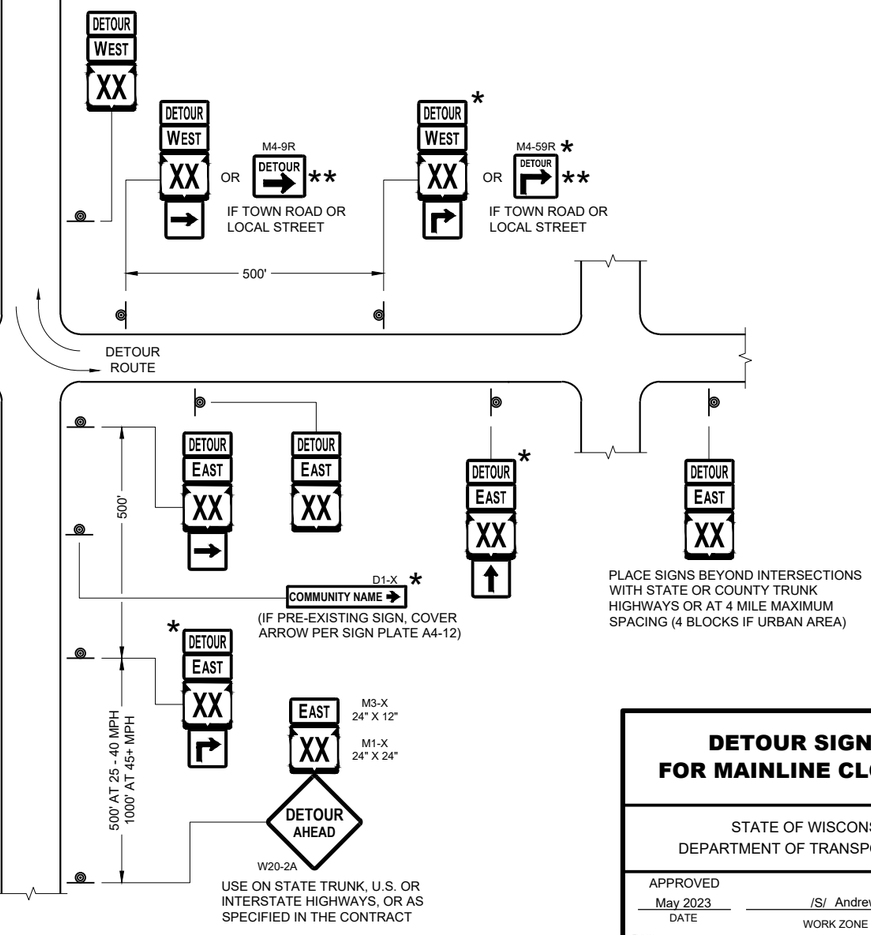
* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** 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.



MATCH POINT





SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

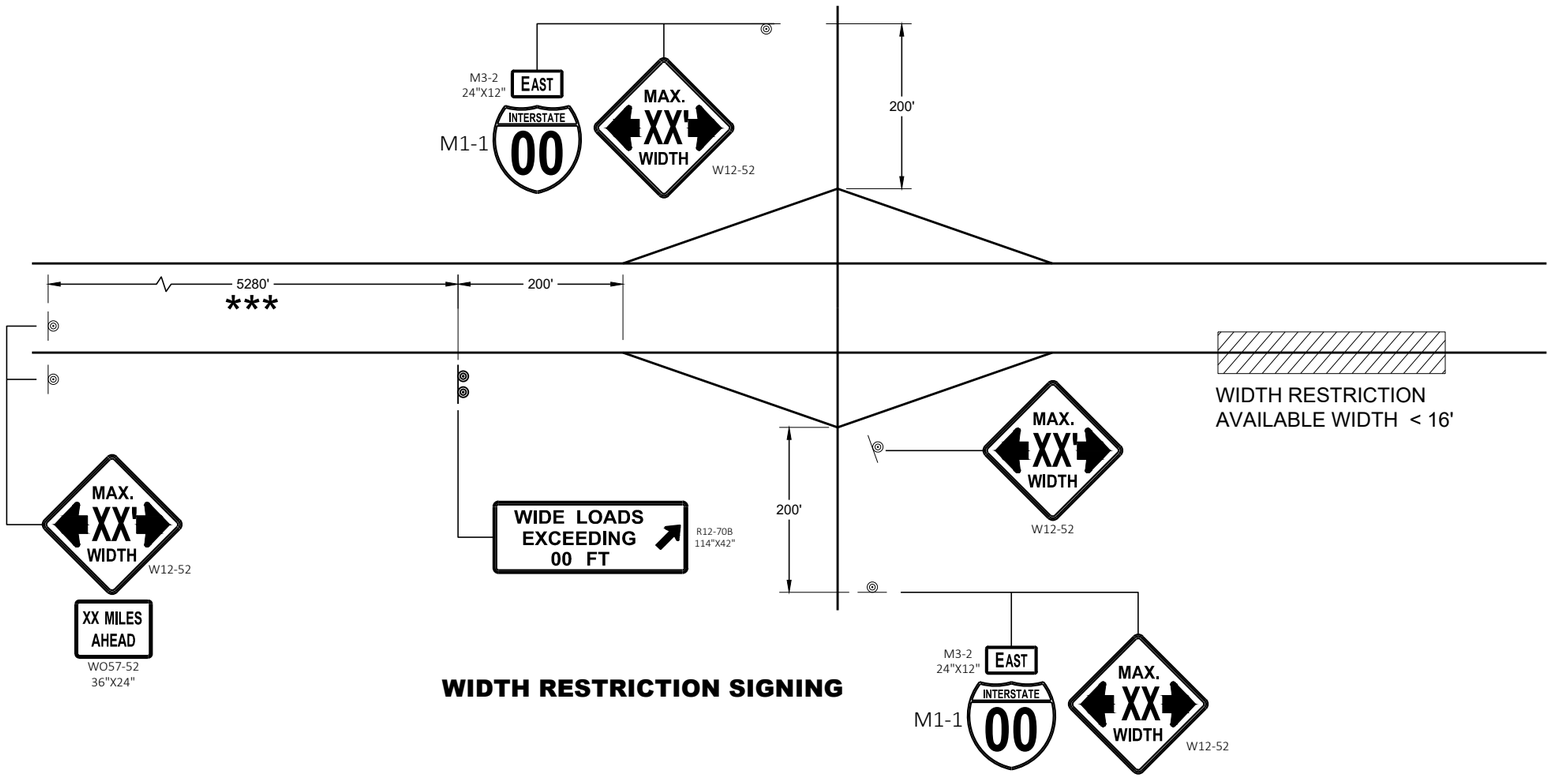
DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

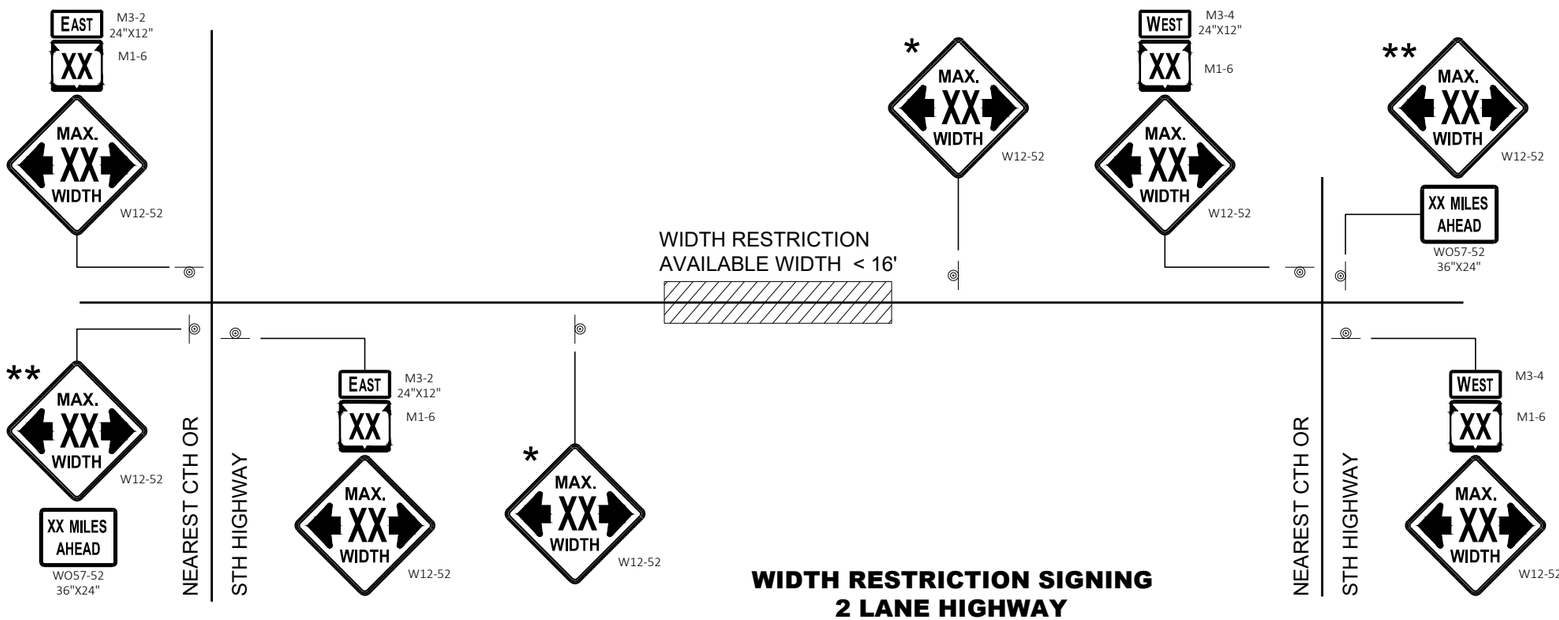
APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

SDD 15C02 - 09c
6



WIDTH RESTRICTION SIGNING



WIDTH RESTRICTION SIGNING
2 LANE HIGHWAY

LEGEND

◎ SIGN ON PERMANENT SUPPORT

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS 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 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.

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

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

WIDTH ON SIGN TO BE APPROXIMATELY ONE FOOT LESS THAN AVAILABLE WIDTH.

* PLACE 500 FEET AFTER THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

** SIGN SHALL BE VISIBLE FROM ROADWAY.

*** ADDITIONAL SIGNS NEEDED IF THERE IS AN ON RAMP BETWEEN SIGNS.



WIDTH ON SIGN TO BE APPROX. 1 - FOOT LESS THAN AVAILABLE WIDTH

ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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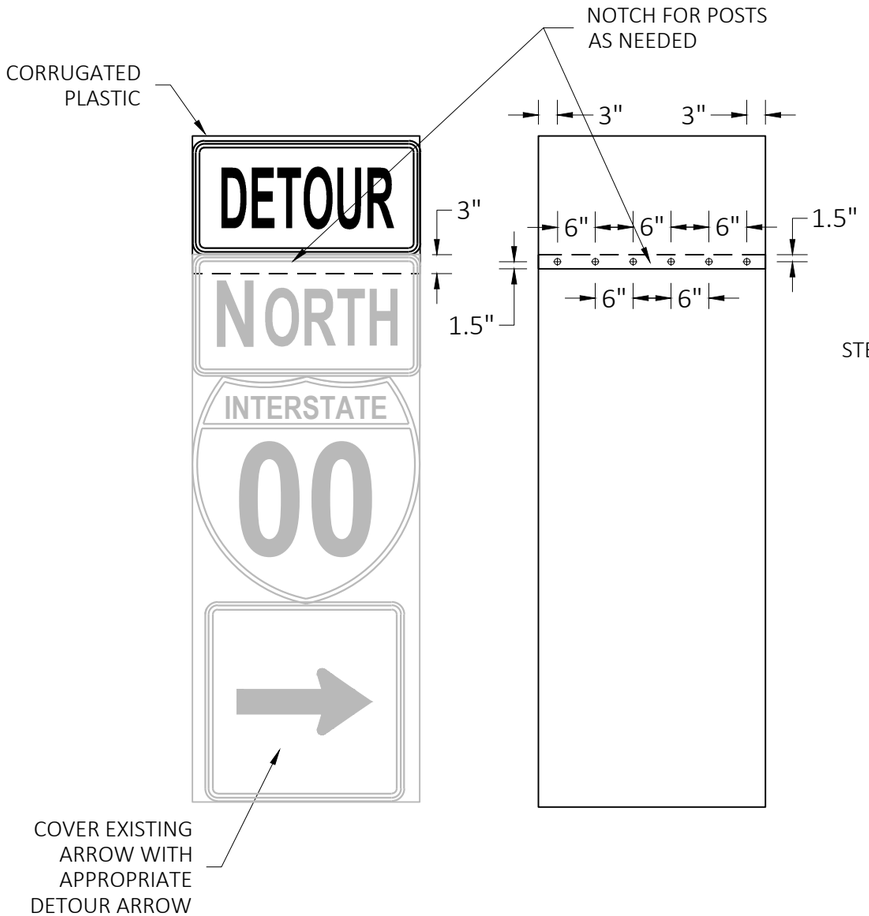
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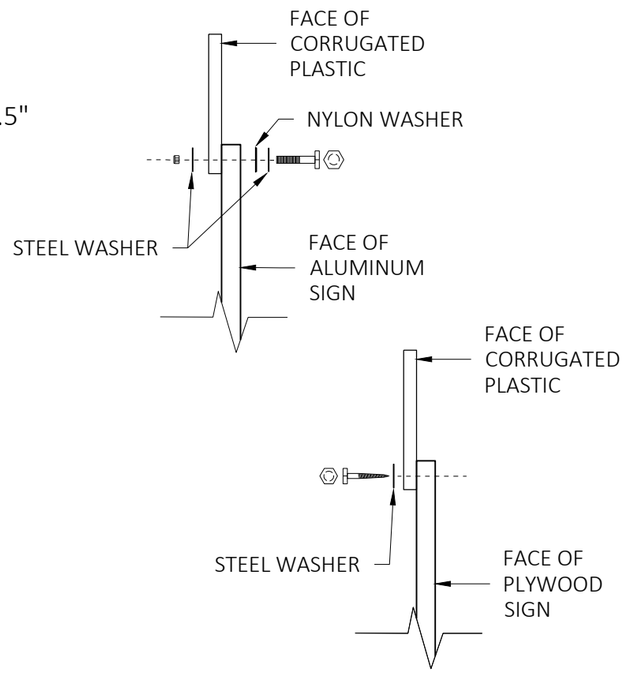
SDD 15C02 - 09f

FRONT SIDE

BACK SIDE

SIDE VIEW





GENERAL NOTES

CELLS OF CORRUGATED PLASTIC SHALL BE VERTICALLY ORIENTED.

PROVIDE A 0.4-INCH THICK BASE CORRUGATED PLASTIC WITH A 0.035-INCH WALL THICKNESS AND 0.4-INCH CELL SIZE.

FOR 36" WIDE SIGNS: USE 6 FASTENERS AS SHOWN.

FOR 24" WIDE SIGNS: USE 4 FASTENERS WITH EDGE SPACING AS SHOWN AND 6" SPACING BETWEEN FASTENERS.

METAL WASHERS, NUTS, BOLTS AND LAGS 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, SC3

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.

PLYWOOD SIGNS:
LAG SCREWS - 5/16" x 1"
ALUMINUM SIGNS:
MACHINE BOLTS - 5/16" x 1-1/4" LENGTH W/NUTS
WASHERS:
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

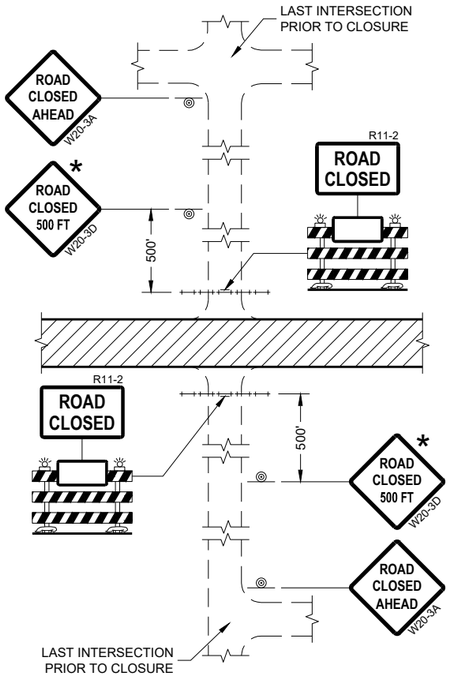
MODIFIED ROUTE ASSEMBLY FOR DETOUR SIGNING

MODIFIED ROUTE ASSEMBLY FOR DETOUR SIGNING

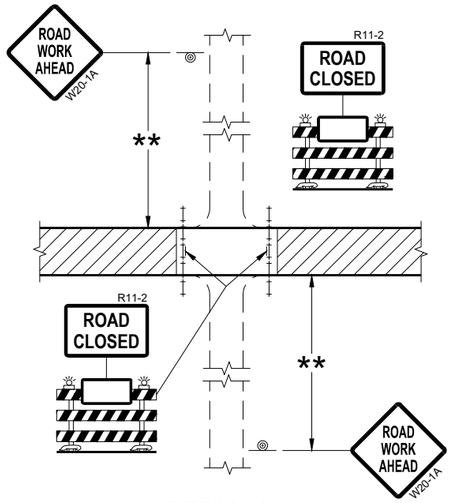
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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SDD 15C02-09h



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)

GENERAL NOTES

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

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

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

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

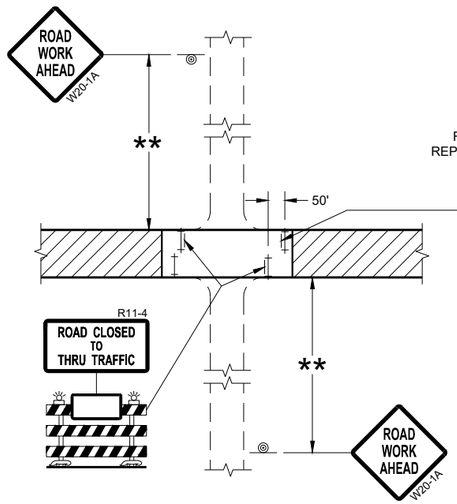
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

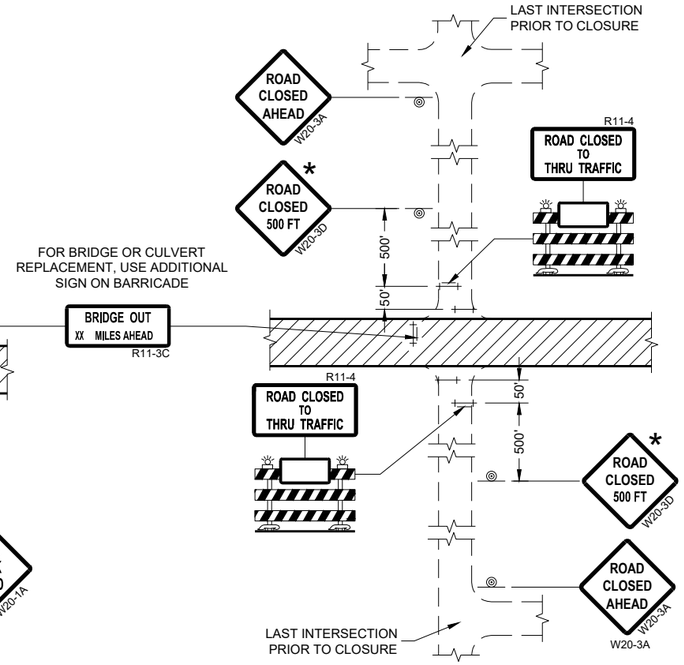
ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C03 - 05

SDD 15C03 - 05

GENERAL NOTES

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

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

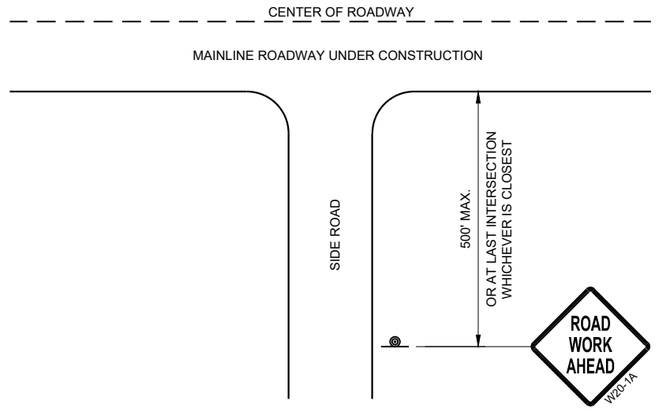
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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.

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

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



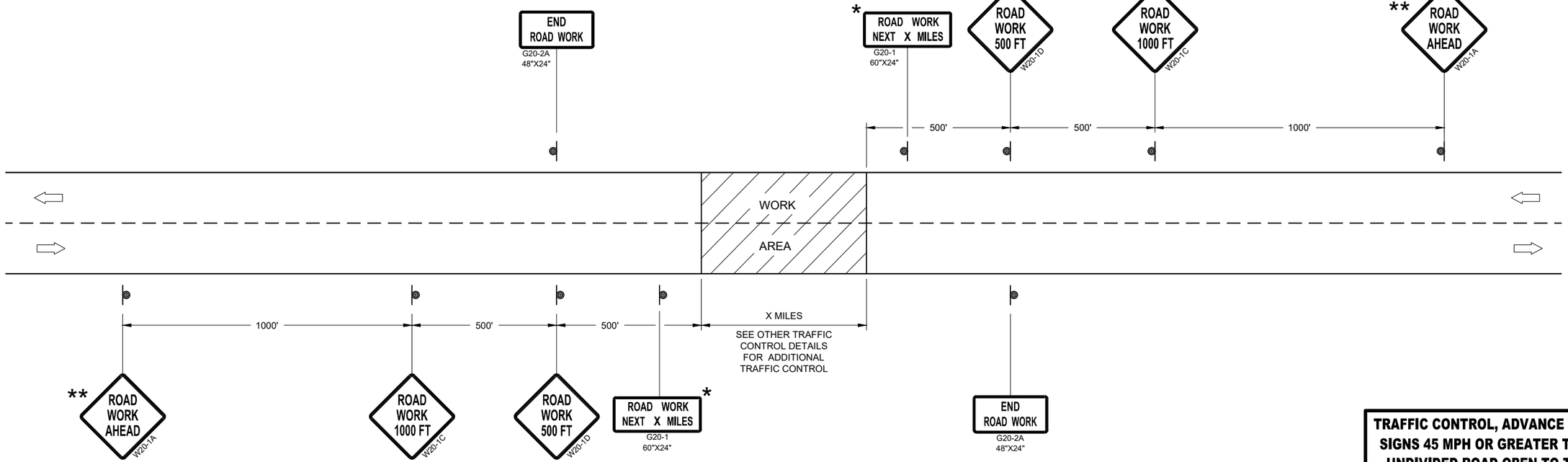
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER 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 15C04 - 05

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.

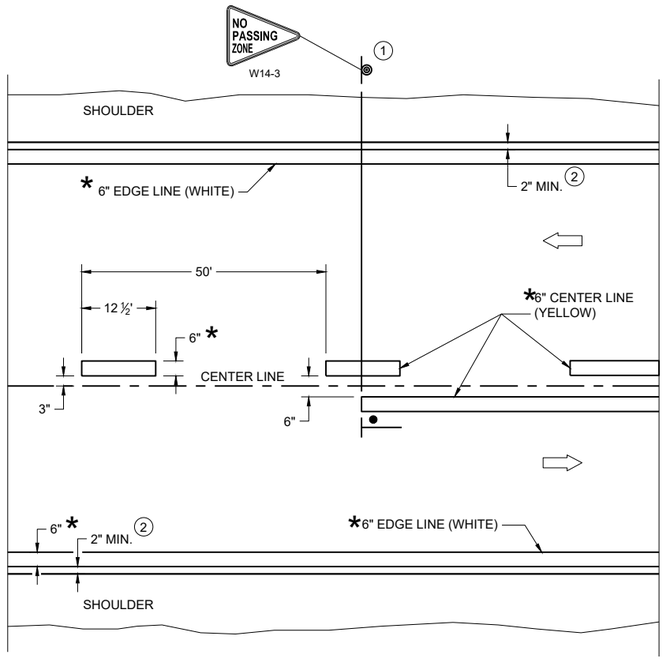
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

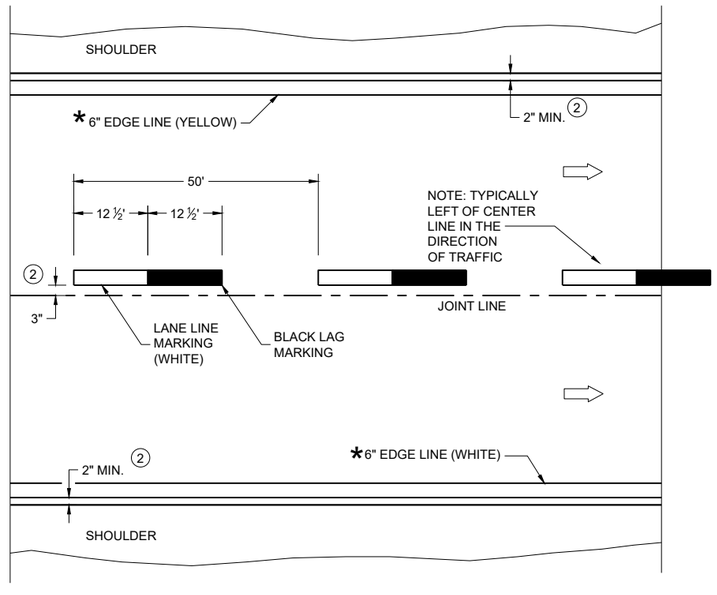
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

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SDD 15C08-23a

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

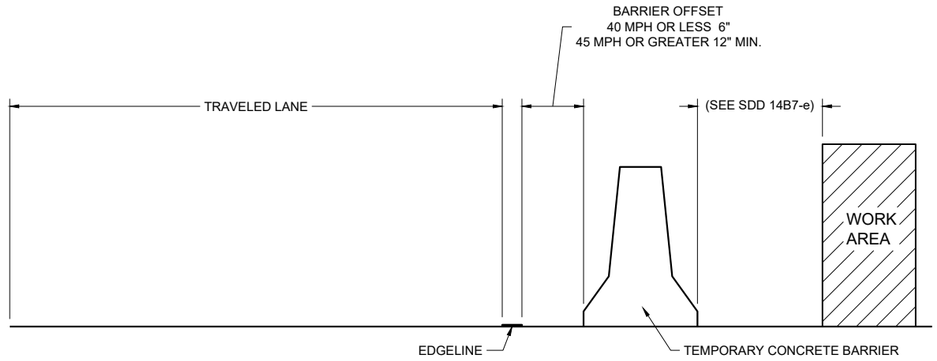
May 2023
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

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SDD 15C08-23a



TEMPORARY BARRIER OFFSET FROM EDGELINE

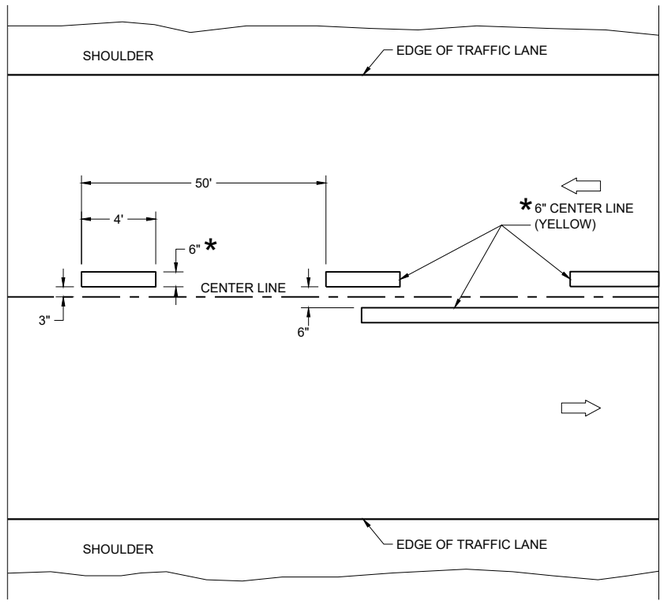
GENERAL NOTES

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

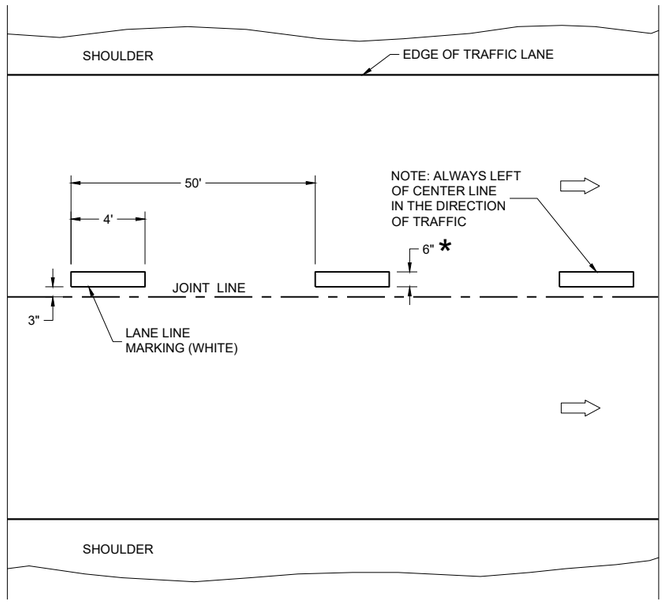
LEGEND

DIRECTION OF TRAFFIC

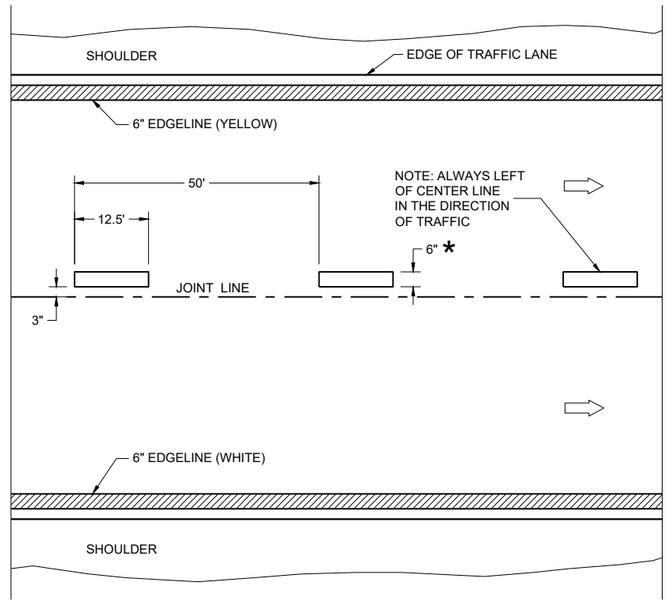
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



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 Pavement Marking Engineer
FHWA

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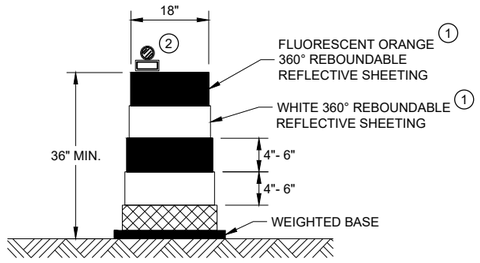
SDD 15C08-23b

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SDD 15C08-23b

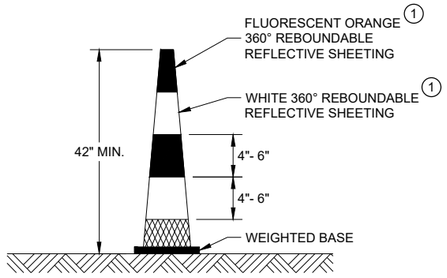
GENERAL NOTES

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



DRUM

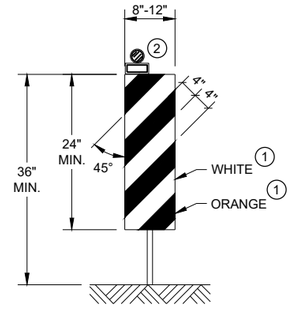
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

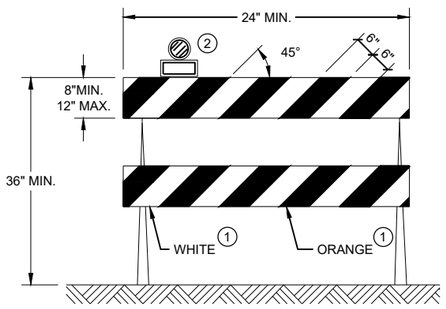
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



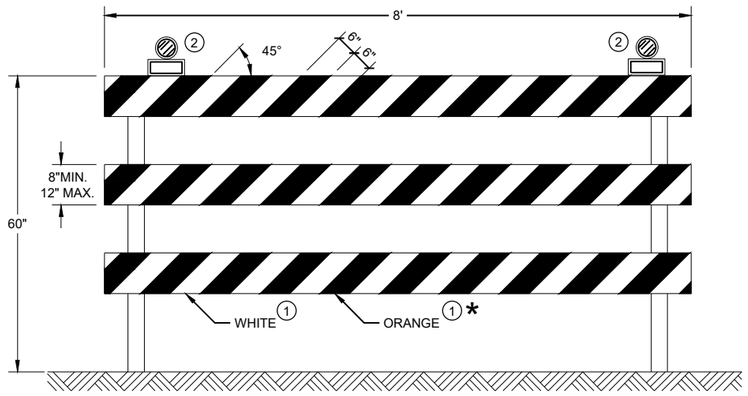
VERTICAL PANEL

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



TYPE II BARRICADE

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



TYPE III BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15C11 - 10b

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SDD 15C11 - 10b

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.

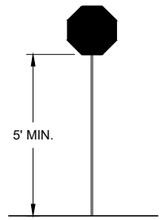
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

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

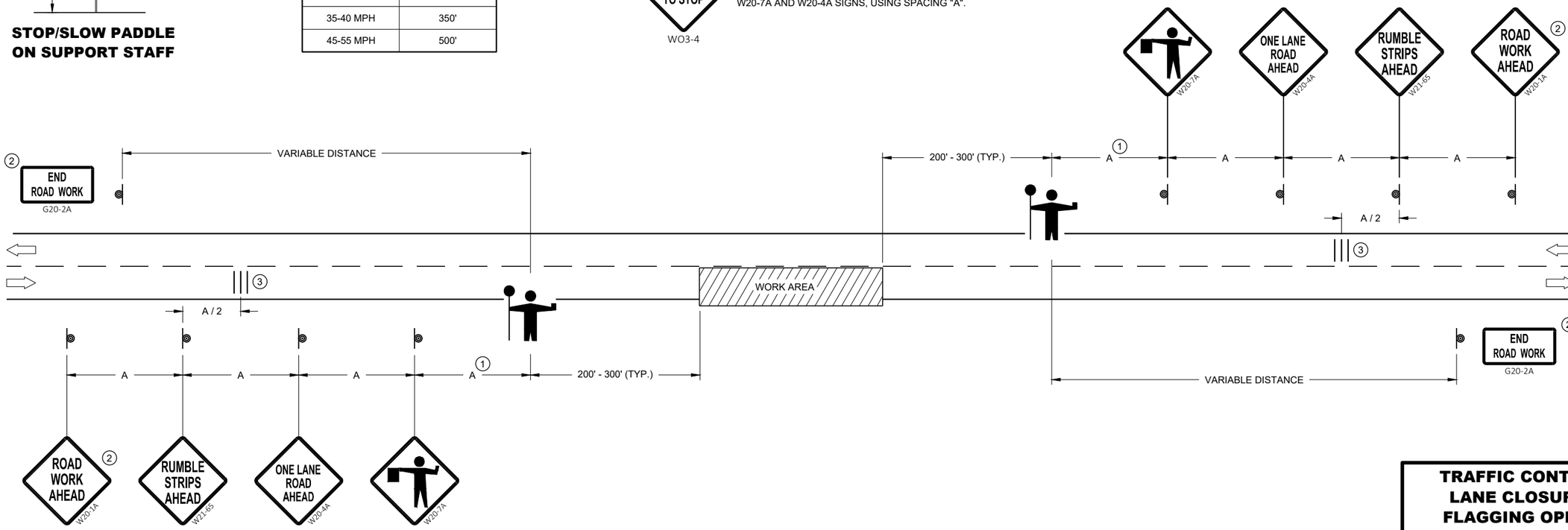
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

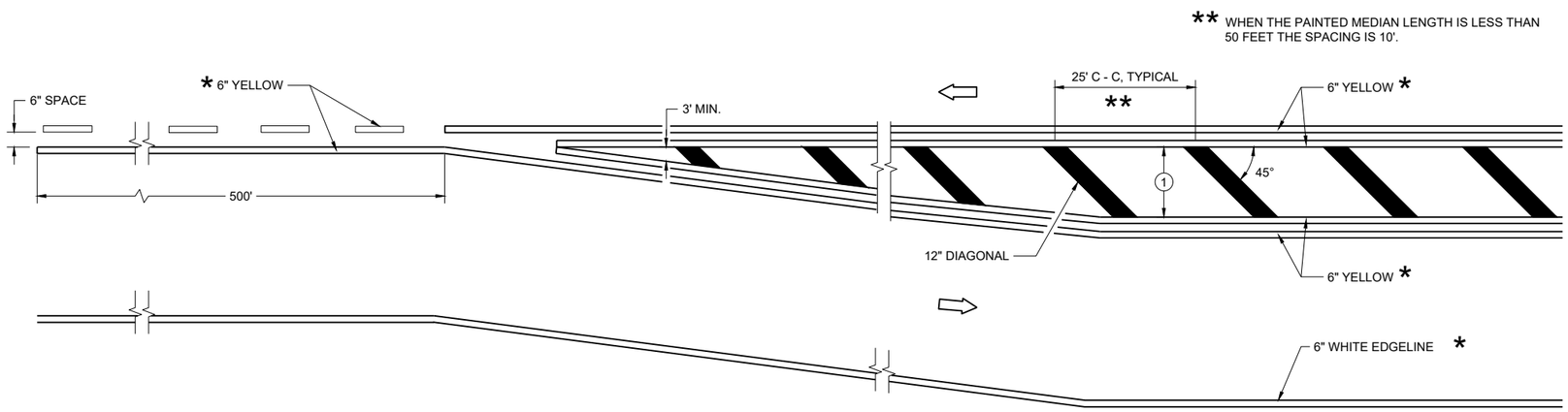
FHWA

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SDD 15C12 - 09a

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SDD 15C12 - 09a



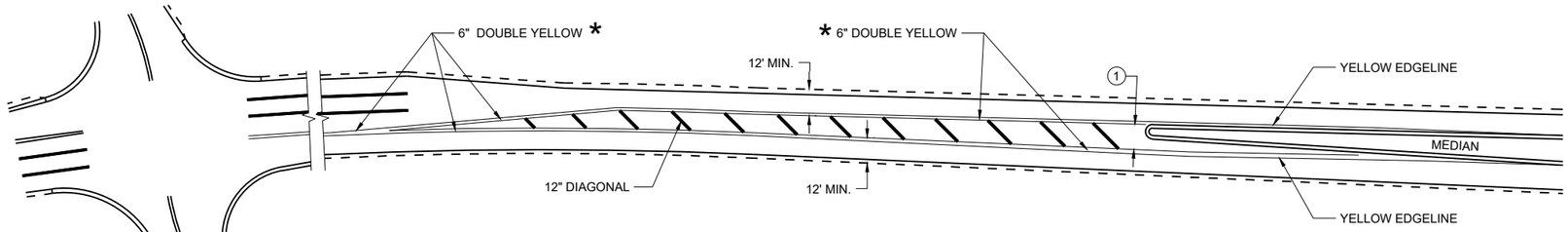
MEDIAN ISLAND DETAIL

GENERAL NOTES

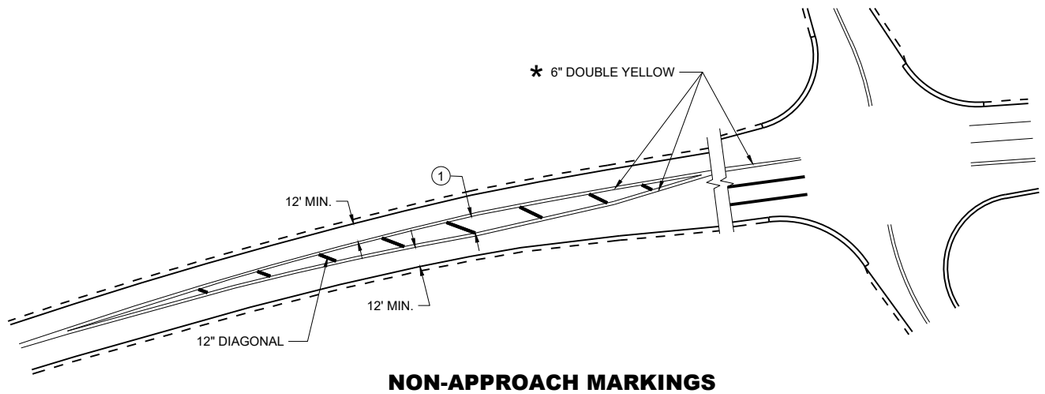
(1) DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT THE WIDEST POINT. OMIT DIAGONALS IF WIDTH IS LESS THAN 4 FEET.

DIRECTION OF TRAVEL

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

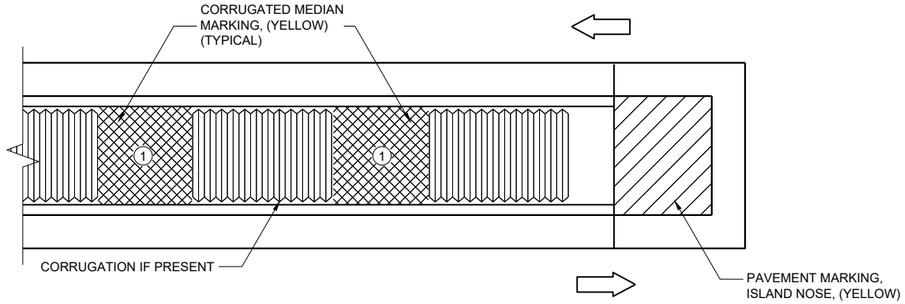
APPROVED
August 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

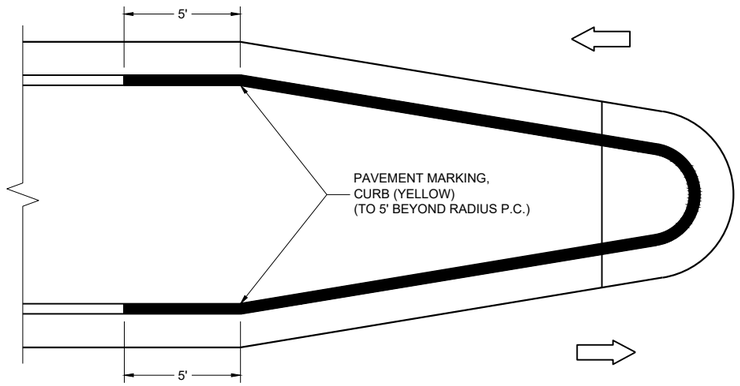
FHWA

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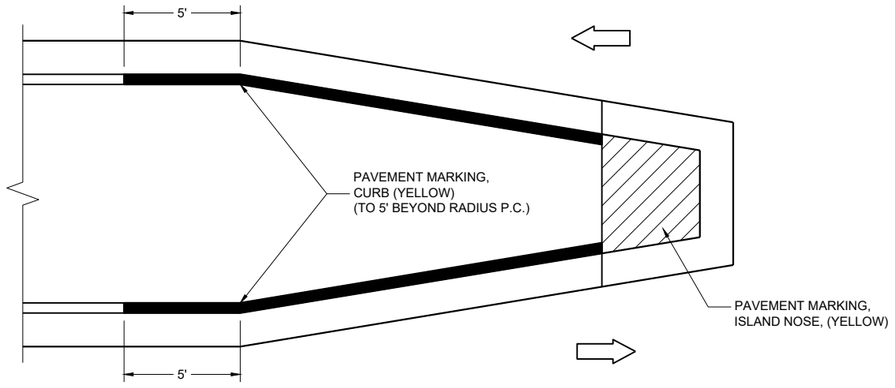
SDD 15C18-09a



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.

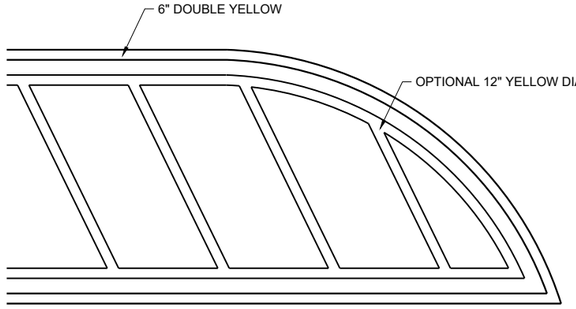
(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL



FLUSH MEDIAN ISLAND NOSE

**PAVEMENT MARKINGS,
MEDIAN ISLAND NOSE**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

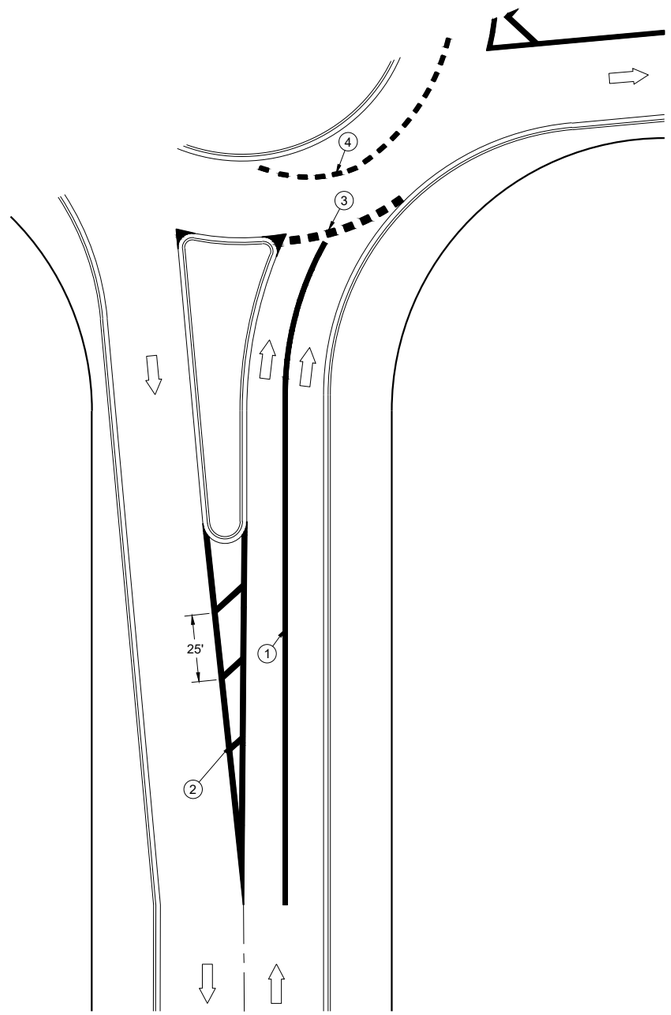
FHWA

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SDD 15C18-09b

LEGEND

- (1) 10" WHITE
- (2) 12" DIAGONALS AT 25' SPACING. (CAN BE OMITTED IF LESS THAN 6')
- (3) 18" WHITE, 2' LINE, 2' GAP
- (4) 6" LINE (6 FT LINE, 3'GAP)
- DIRECTION OF TRAFFIC
- CURB AND GUTTER
- RIGHT OF WAY



6

SDD 15C22-01

DOTTED EXTENSION FOR ROUNDABOUT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2024
DATE

/S/ Matthew Rauch
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

FHWA

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SDD 15C22-01

LEGEND

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

WORK ZONE

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

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

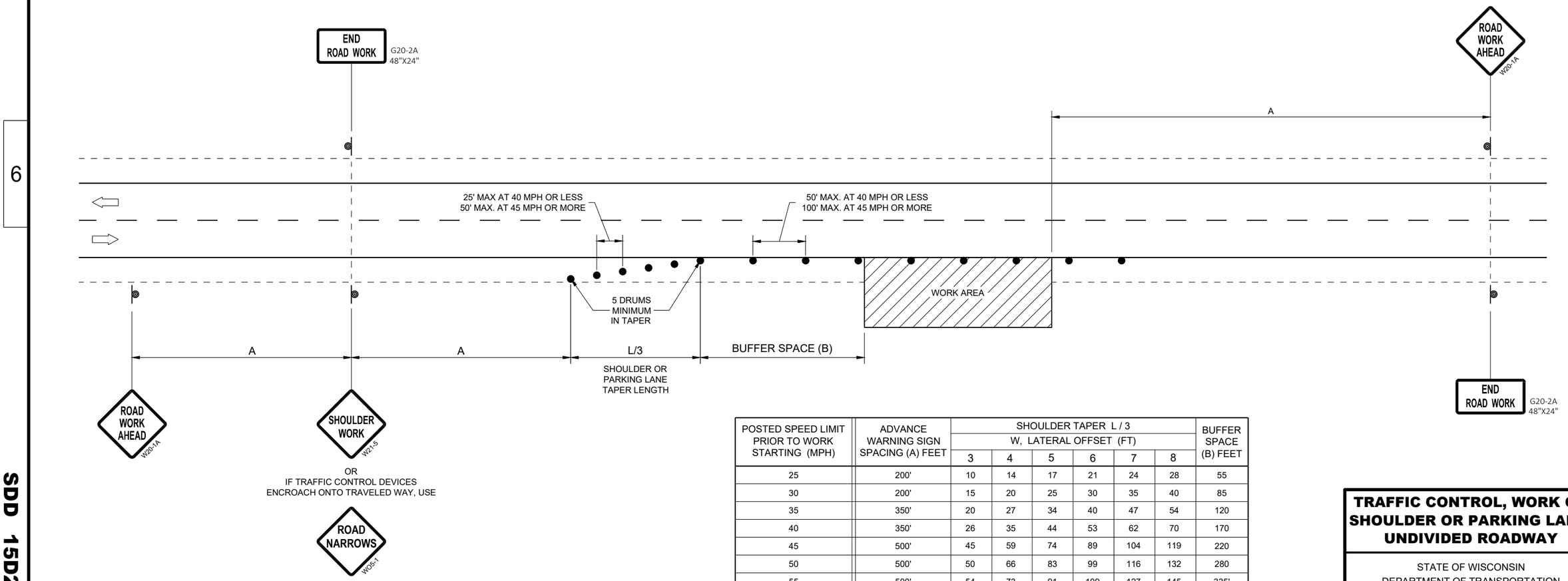
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

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

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

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



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

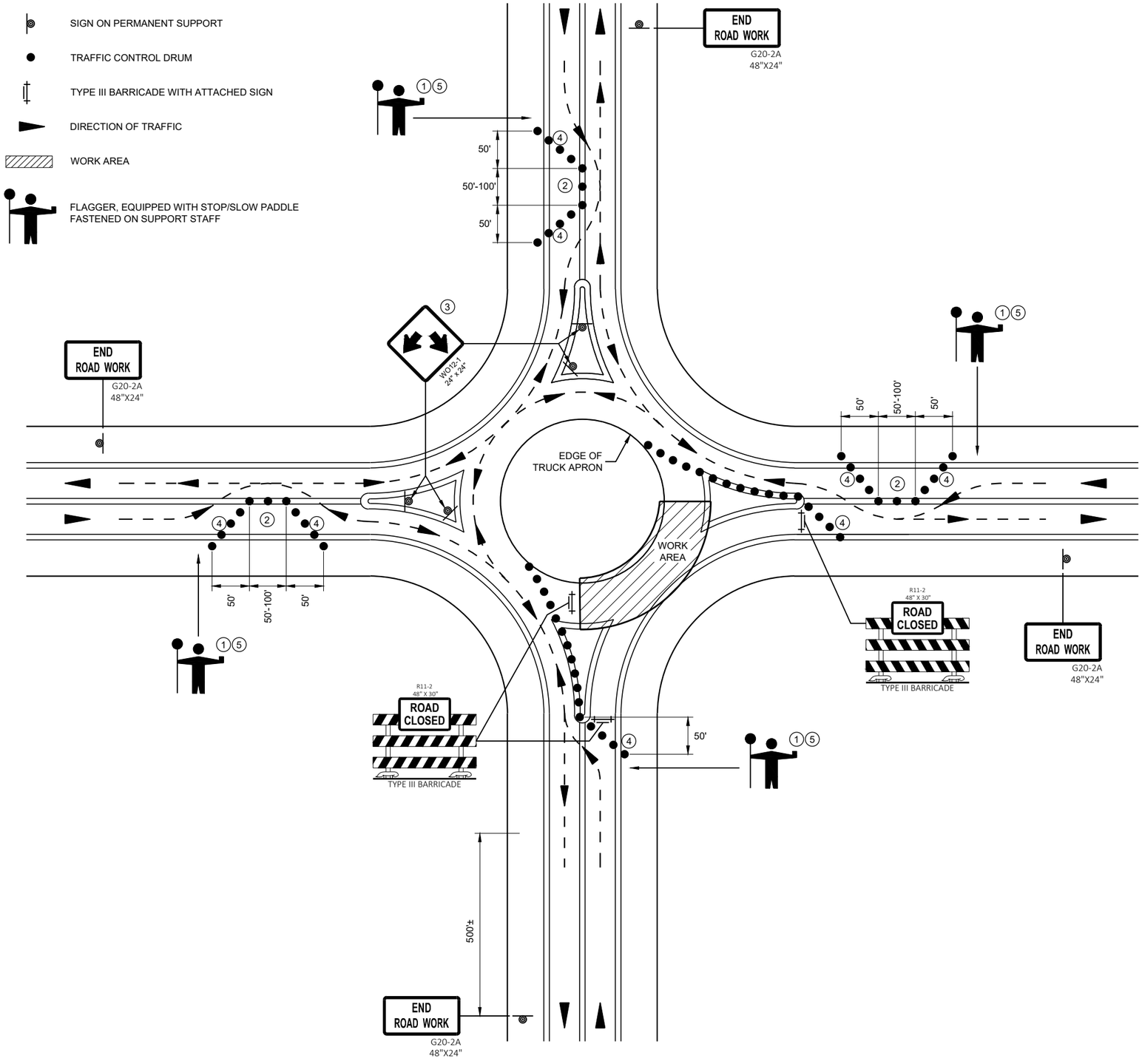
FHWA

SDD 15D28 - 04

SDD 15D28 - 04

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF



GENERAL NOTES

ALL SIGNS ARE 48"X48" BLACK ON ORANGE UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

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

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

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

ONLY ONE QUADRANT OF TRAFFIC SHALL BE RELEASED AT A TIME.

FLAGGERS SHALL CONTROL TRAFFIC ON ALL APPROACHES OF THE ONE-LANE ROUNDABOUT. ONE FLAGGER SHALL BE DESIGNATED LEAD FLAGGER.

NIGHT TIME WORK REQUIRES ADDITIONAL LIGHTING AT FLAGGER STATION(S).

1. FLAGGERS SHALL BE IN DIRECT RADIO CONTACT AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING IS NOT IN EFFECT, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.
2. ADJUST CHANNELIZING DEVICES TO ACCOMMODATE FOR TURNING RADIUS OF LARGE VEHICLES AS DIRECTED BY THE ENGINEER.
3. GUIDE SIGN WITH ROAD NAMES MAY BE USED IN LIEU OF THE DOUBLE ARROW (WO12-1) SIGN.
4. THE TWO- WAY TAPER SHOULD BE 50 FEET USING 5 EQUALLY SPACED DRUMS.
5. FOLLOW SDD 15C12 FOR FLAGGING AND ADVANCE WARNING.

RECOMMENDED REDUCED DRUM SPACING WITHIN ROUNDABOUT

MPH	DRUM SPACING (FT)
0-40	25
45-55	50

TRAFFIC CONTROL, FLAGGING OPERATION, ROUNDABOUT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020 — DATE
/S/ Andrew Heidtke — STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

SDD 15D37 - 03

SDD 15D37 - 03

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)				
	10	11	12	13	14
50	250	275	300	325	350
55	275	303	330	358	385
60	300	330	360	390	420
65	325	358	390	423	455
70	350	385	420	455	490

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) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" 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 AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

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 LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

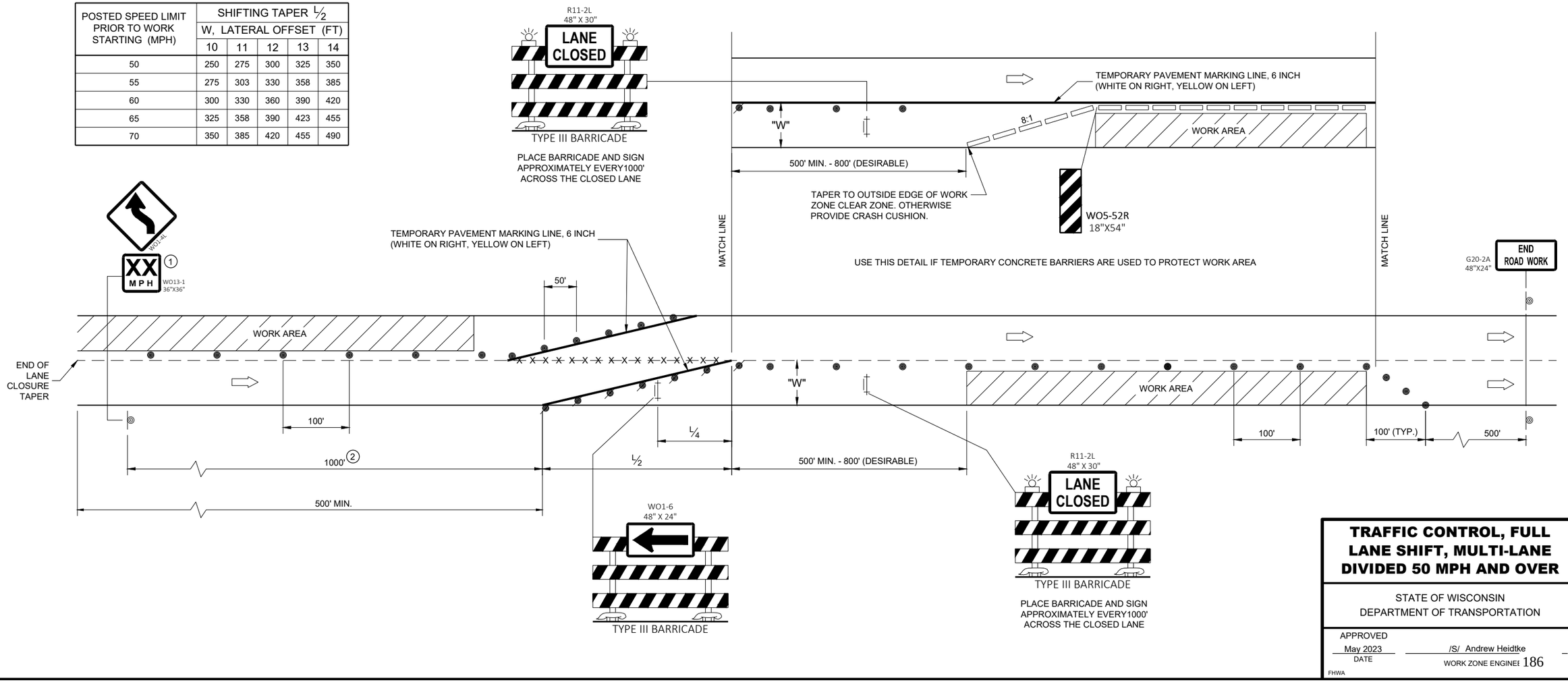
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT 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 ½ 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.

(1) USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

(2) IF BEGINNING OF LANE SHIFT IS 1200' OF LESS FROM THE END OF THE LANE CLOSURE TAPER, PLACE THE WO1-4L SIGN 200 FEET AFTER THE END OF THE LANE CLOSURE TAPER.



TRAFFIC CONTROL, FULL LANE SHIFT, MULTI-LANE DIVIDED 50 MPH AND OVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15D40-05b

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SDD 15D40-05b

GENERAL NOTES

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

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.

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

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

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 INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

(1) PLACE SIGNS 350' IN ADVANCE OF CHIP SEALED OR LOOSE GRAVEL SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

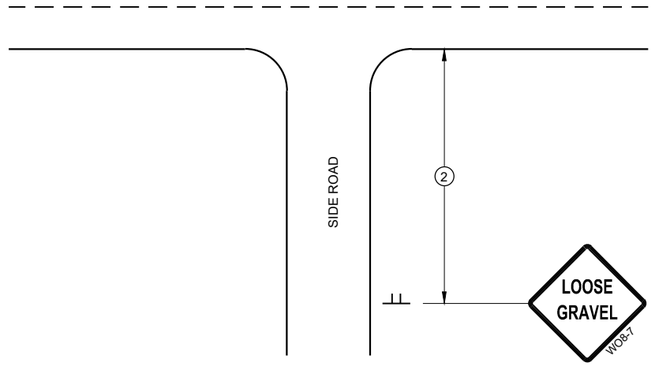
(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

(3) ADD WO8-1 OR WO8-2 SIGN WHEN THE CONDITION IS PRESENT.

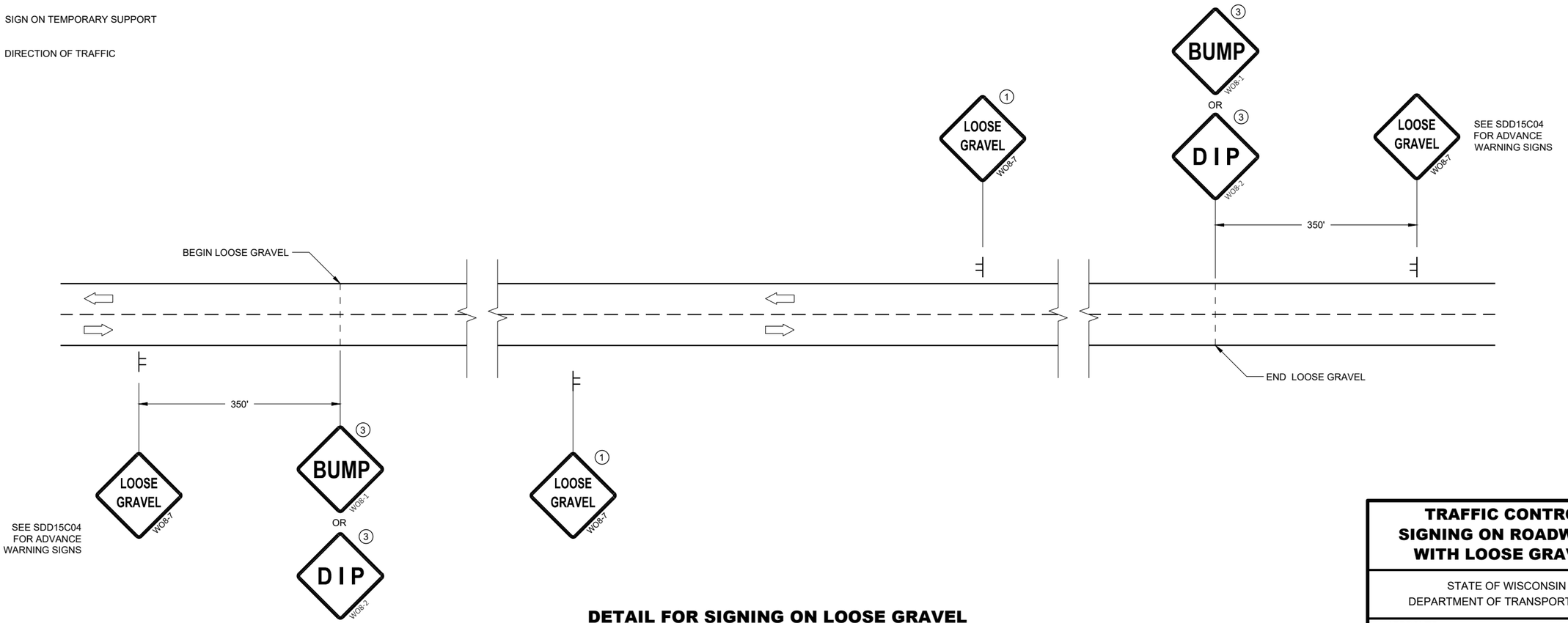
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON LOOSE GRAVEL OR CHIP SEALED SURFACES

TRAFFIC CONTROL SIGNING ON ROADWAYS WITH LOOSE GRAVEL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

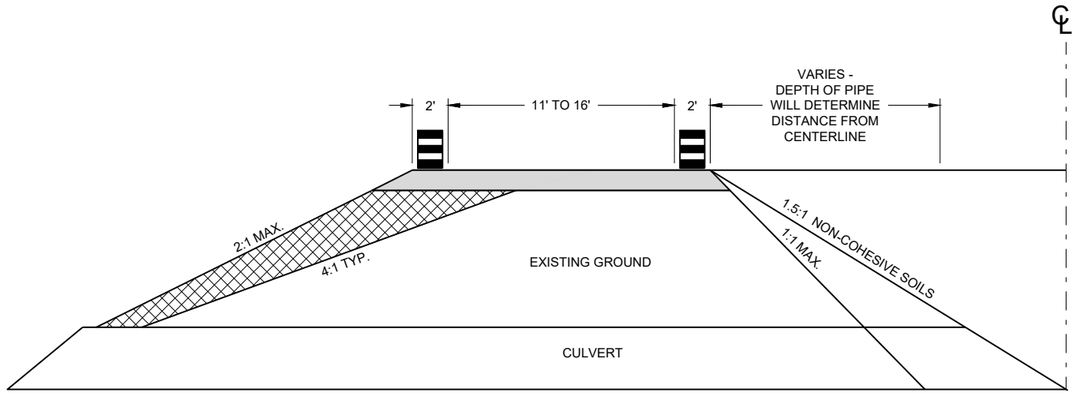
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SDD 15D45 - 03

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SDD 15D45 - 03



CROSS SECTION

GENERAL NOTES

USE 1:1 FOR COHESIVE CLAYS AND SILTS, LOAMS, SANDY CLAYS AND ANGULAR GRAVEL SOILS.
USE 1.5:1 FOR NON-COHESIVE SOILS.

THE TAPER SHOULD EXTEND ACROSS THE SHOULDER UNLESS DOING SO WOULD GREATLY CONFLICT WITH THE WORK OPERATION.

ALL LANE CLOSURE SIGNS SHALL BE REMOVED OR COVERED AND ALL DEVICES REMOVED BEYOND THE SHOULDER WHEN WORK IS NOT IN PROGRESS AND THE LANE IS RESTORED TO A SAFE OPERATING CONDITION.

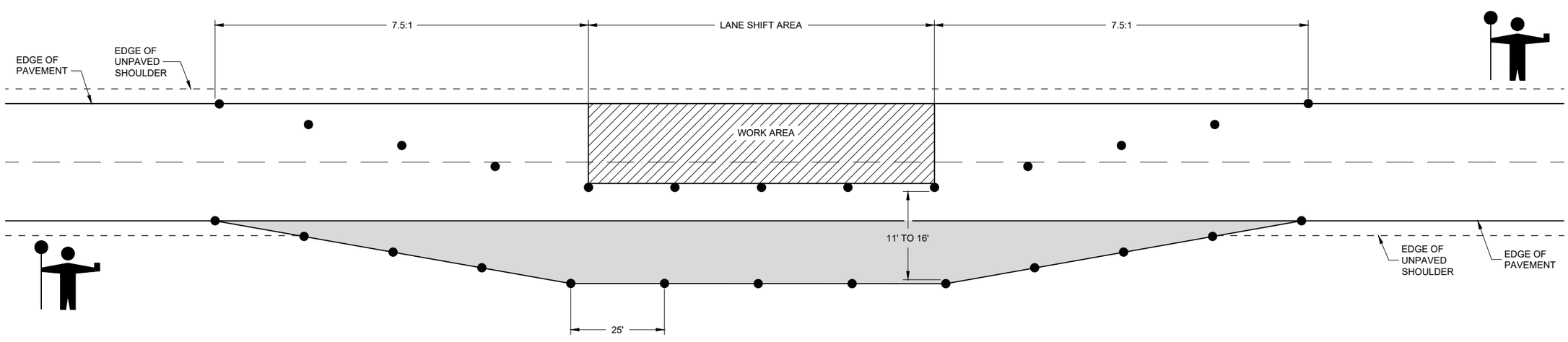
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

USE WITH SDD 15C12 "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS"

USE WITH SDD 15D45 "SIGNING ON ROADWAYS WITH LOOSE GRAVEL"

LEGEND

- DRUM WITHOUT WARNING LIGHT
- 6" BASE AGGREGATE DENSE 1 ¼" -INCIDENTAL TO LANE SHIFT ITEM
- FILL - INCIDENTAL TO LANE SHIFT ITEM
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF



LANE SHIFT IN FLAGGING OPERATION

TRAFFIC CONTROL, TEMPORARY LANE SHIFT DURING CULVERT WORK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

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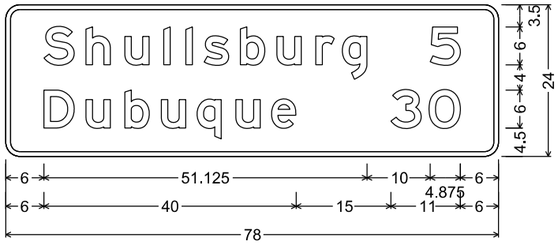
SDD 15D48 - 01

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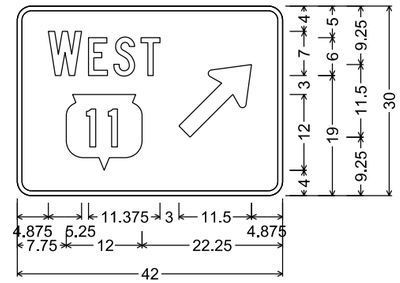
SDD 15D48 - 01

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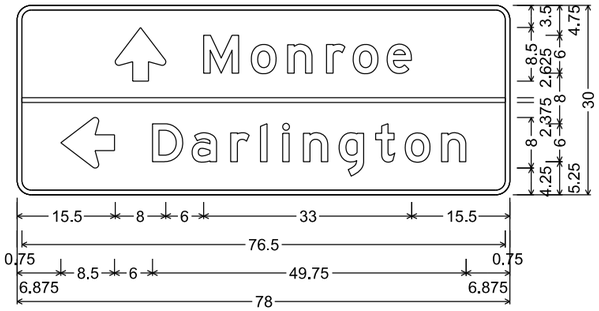
1. Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E or as noted



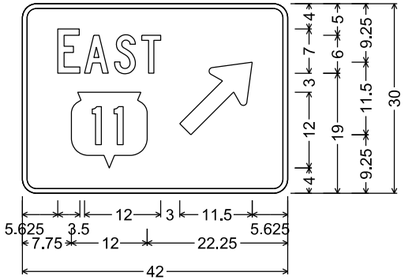
D2-2; 2.250" Radius, 0.750" Border



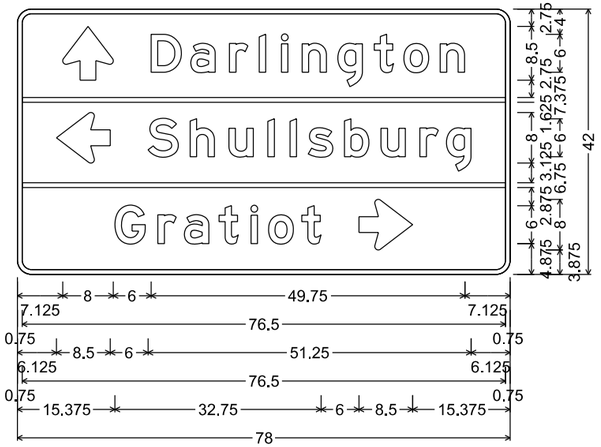
D1-67; 2.250" Radius, 0.750" Border
"WEST", C



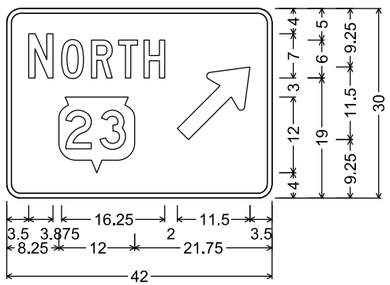
D1-2; 2.250" Radius, 0.750" Border



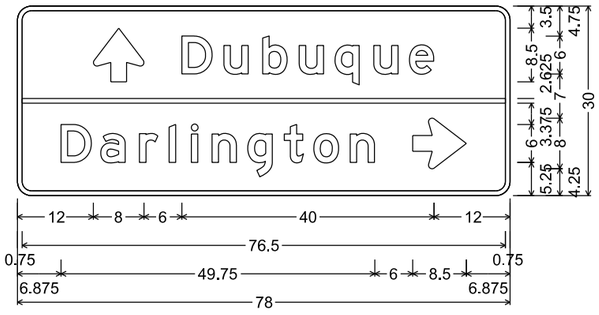
D1-67; 2.250" Radius, 0.750" Border
"EAST", C



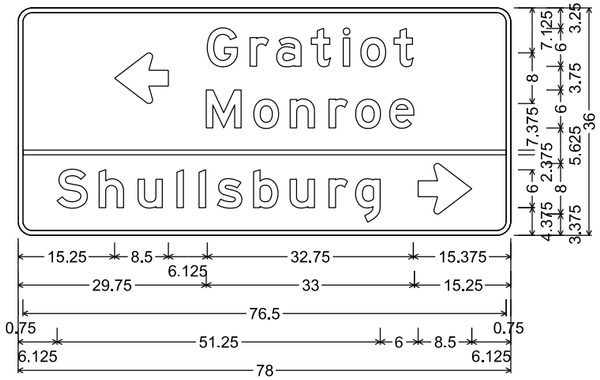
D1-3; 2.250" Radius, 0.750" Border



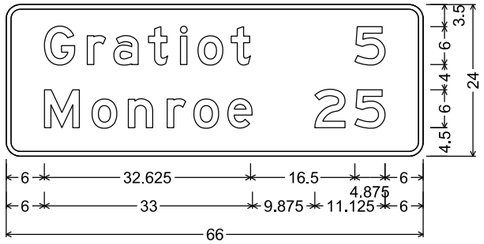
D1-67; 2.250" Radius, 0.750" Border
"NORTH", C



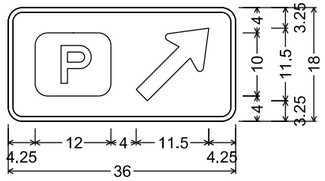
D1-2; 2.250" Radius, 0.750" Border



D1-3; 2.250" Radius, 0.750" Border



D2-2; 2.250" Radius, 0.750" Border



D1-67; 2.250" Radius, 0.750" Border

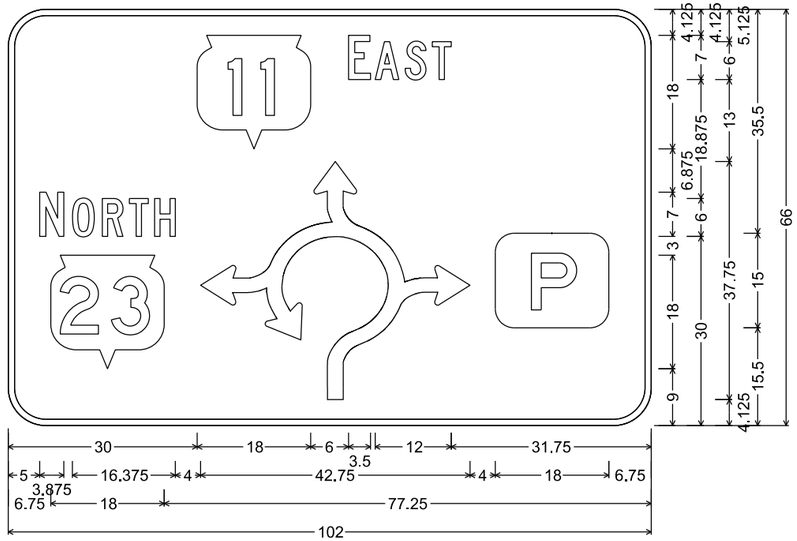
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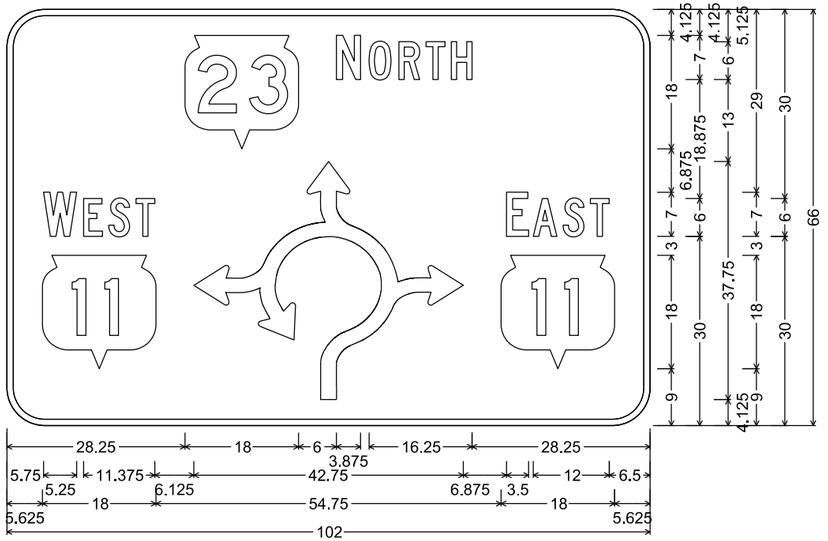
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	PERMANENT SIGNING	SHEET NO: 189	E

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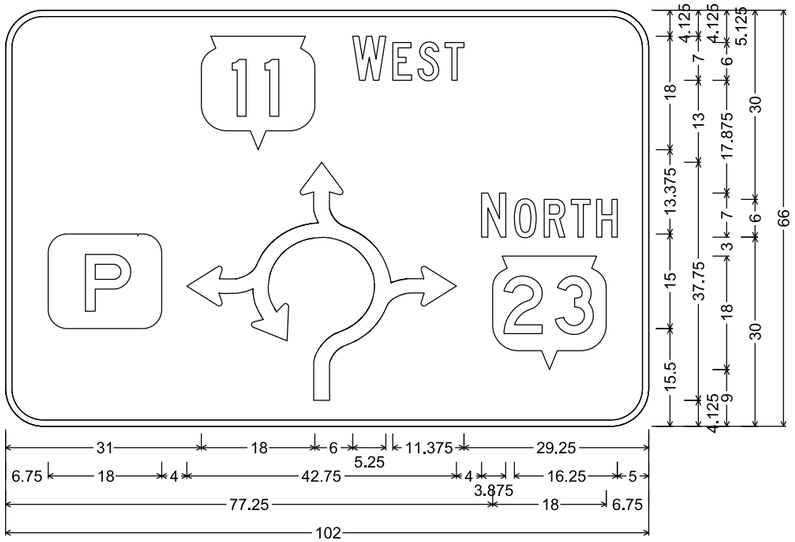
1. Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - C



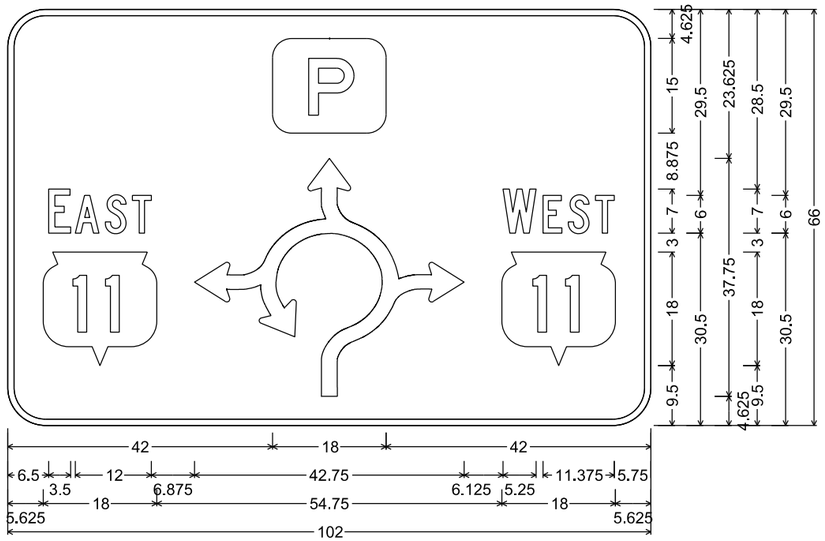
D1-61; 6.000" Radius, 1.000" Border



D1-61; 6.000" Radius, 1.000" Border



D1-61; 6.000" Radius, 1.000" Border

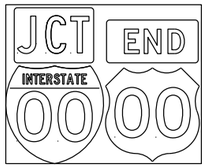


D1-61; 6.000" Radius, 1.000" Border

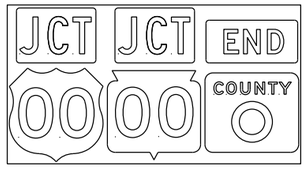
TYPICAL ASSEMBLIES



J1-1



J1-2



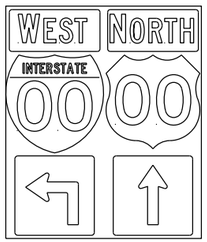
J1-3



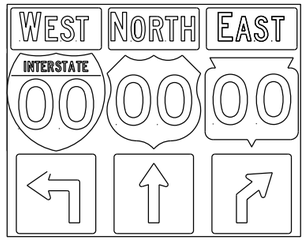
JR1-1



J2-1



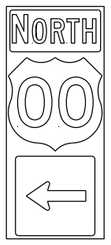
J2-2



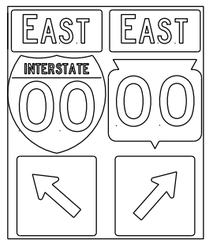
J2-3



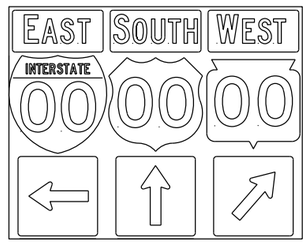
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



J3-1



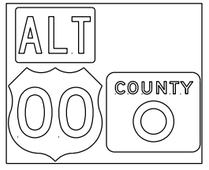
J3-2



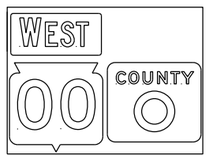
J3-3



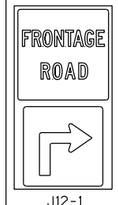
J4-1



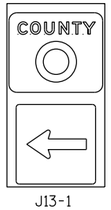
J4-2



J4-2



J12-1



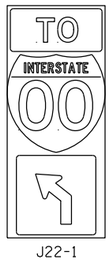
J13-1



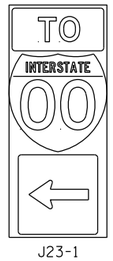
J32-1



J33-1



J22-1



J23-1



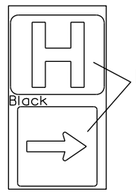
JR13-1



JR23-1



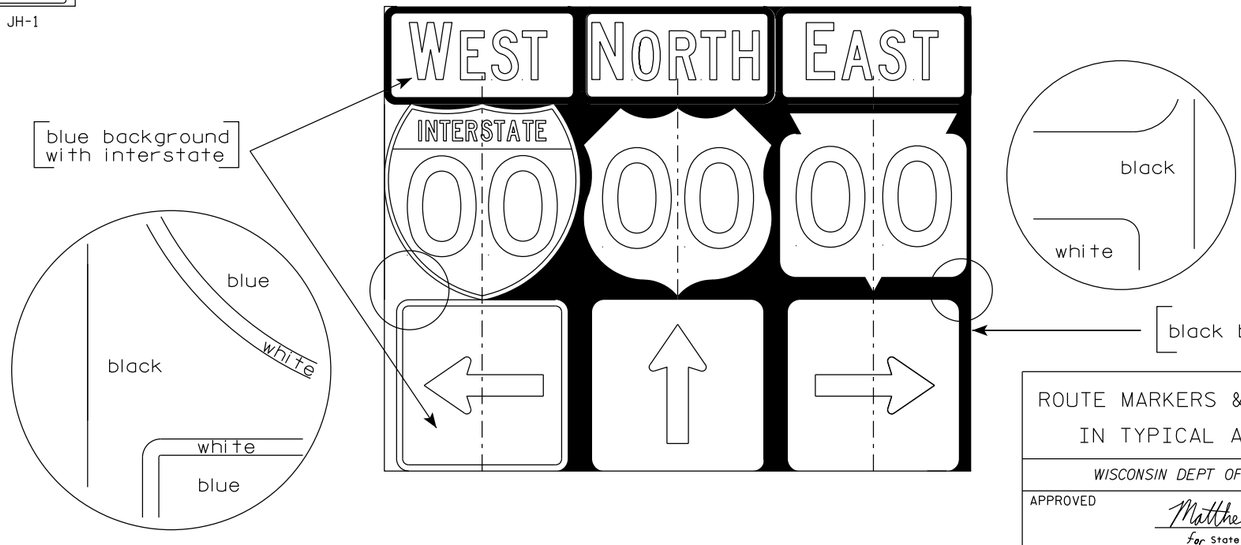
JR99-1



JH-1

NOTES

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



ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

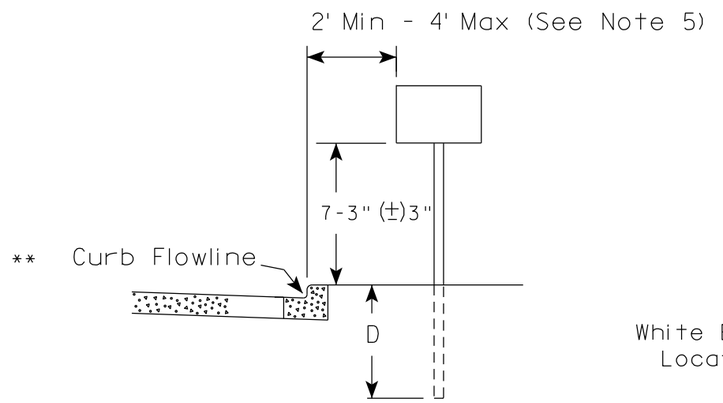
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/23 PLATE NO. A2-1S.10

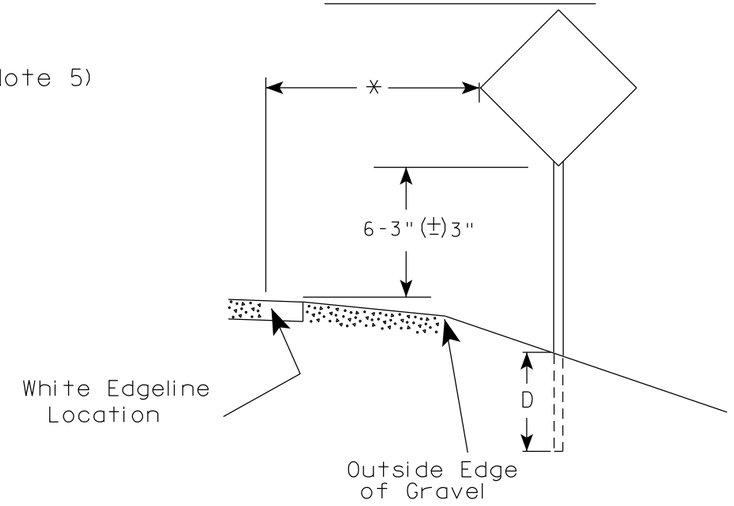
PROJECT NO:

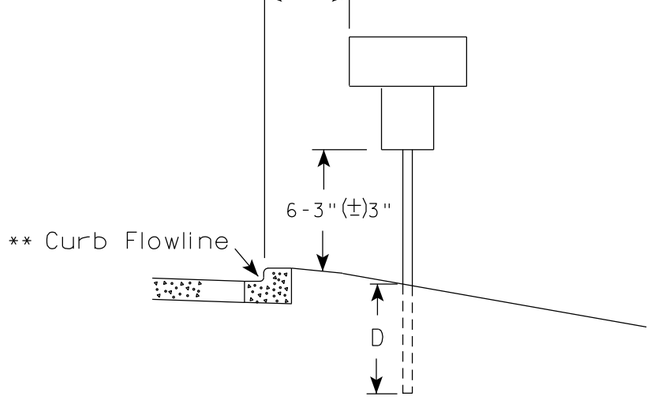
SHEET NO: 191 E

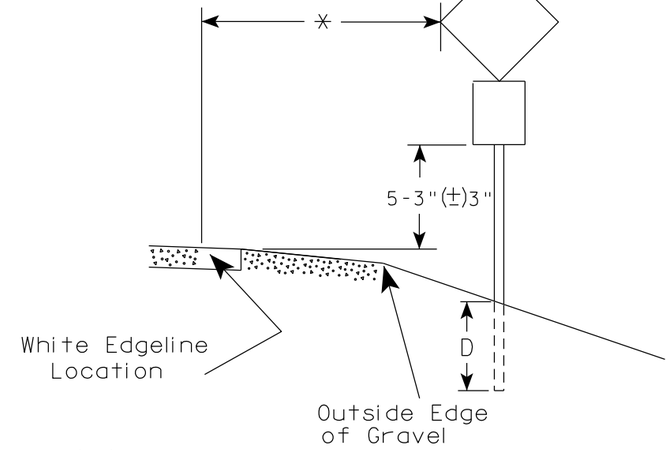
URBAN AREA



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" (±) 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".
3. For expressways and freeways, mounting height is 7'- 3" (±) 3" or 6'-3" (±) 3" depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±) 3".
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directd by the Engineer.

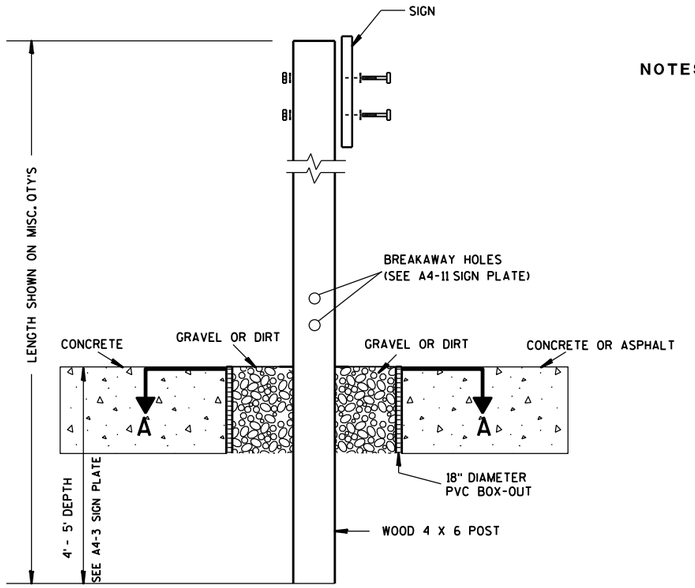
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-3.23

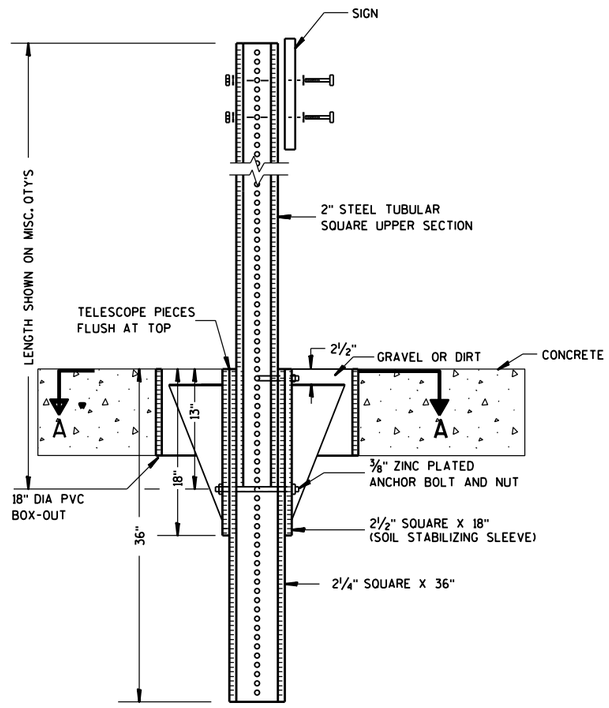
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 192	E



ELEVATION VIEW

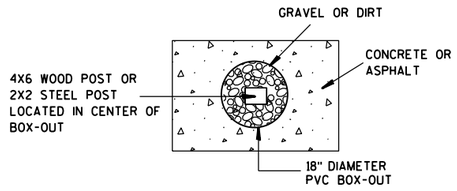
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

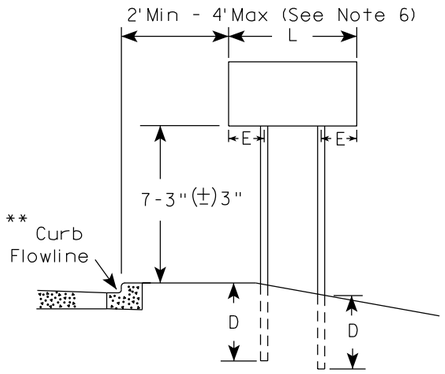
APPROVED Matthew R Rauch
for State Traffic Engineer

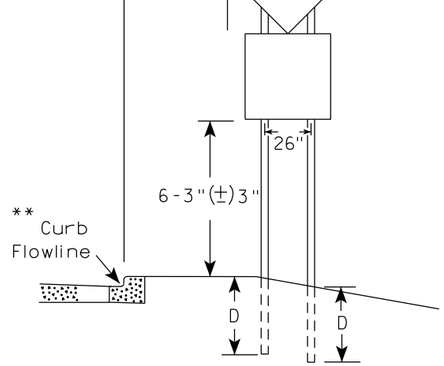
DATE 1/27/14 PLATE NO. A4-3B.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

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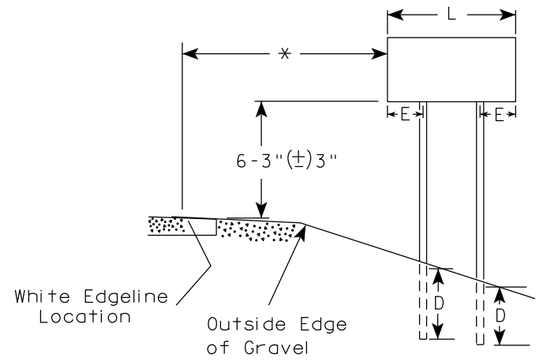
URBAN AREA

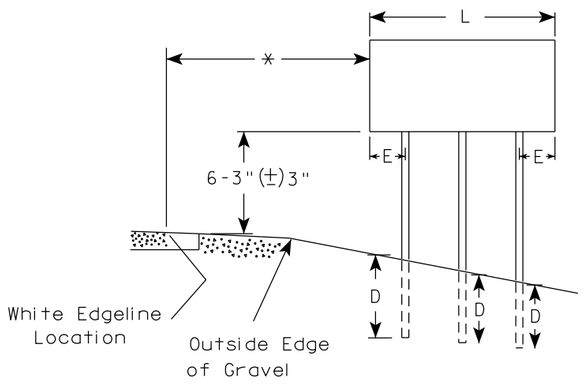


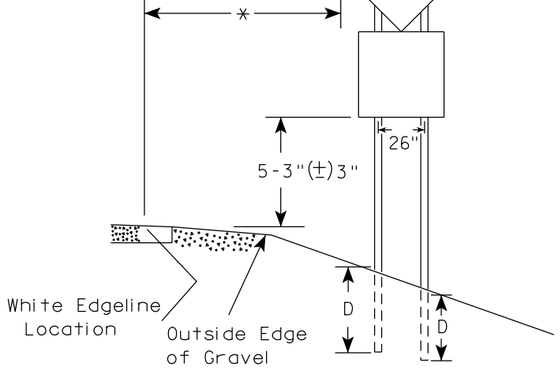


48" DIAMOND WARNING SIGN

RURAL AREA (See Note 3)







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" (±) 3" or 6'-3" (±) 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" (±) 3" or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 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" (±) 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'

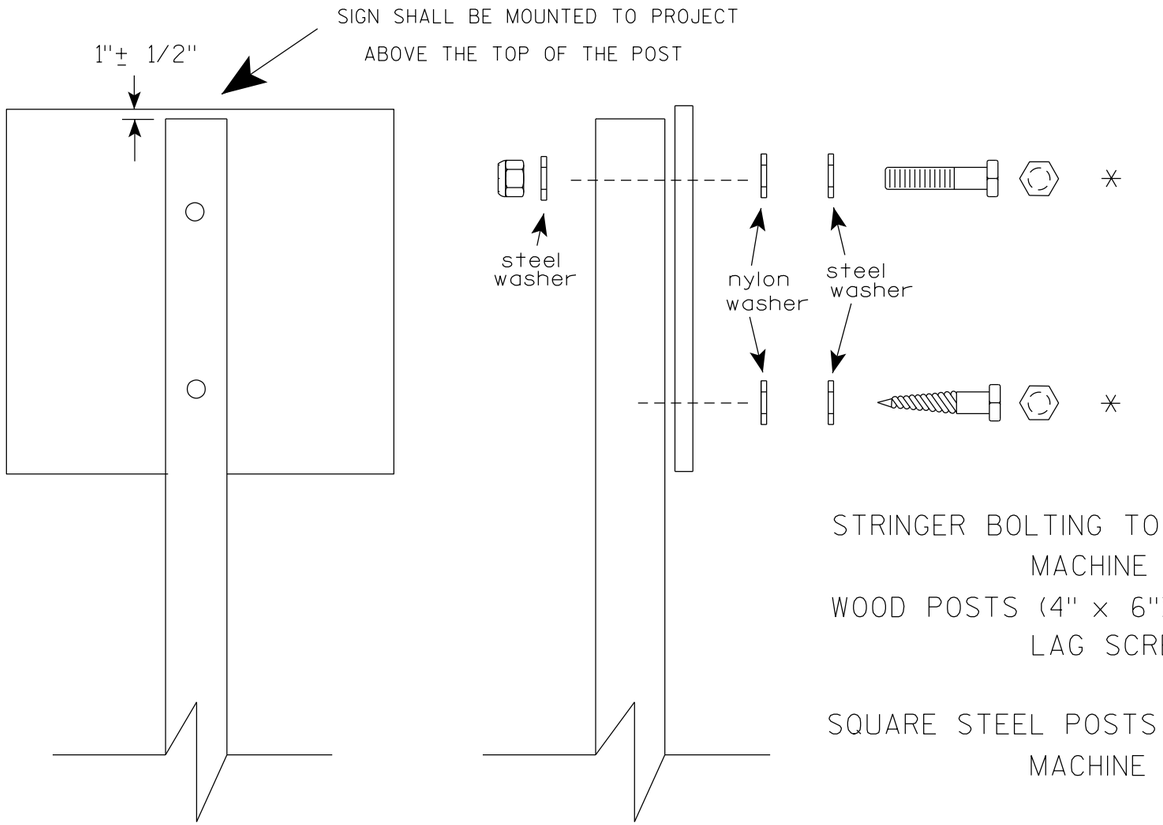
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-4.16

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 194	E



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

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

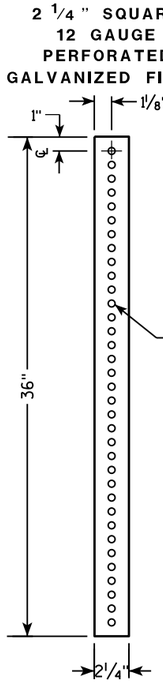
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

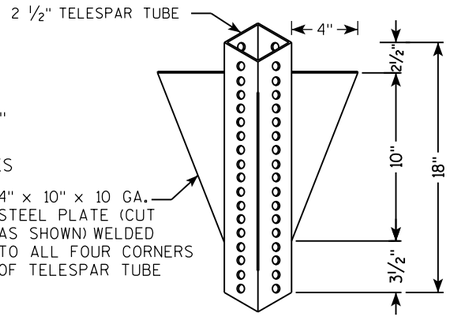
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

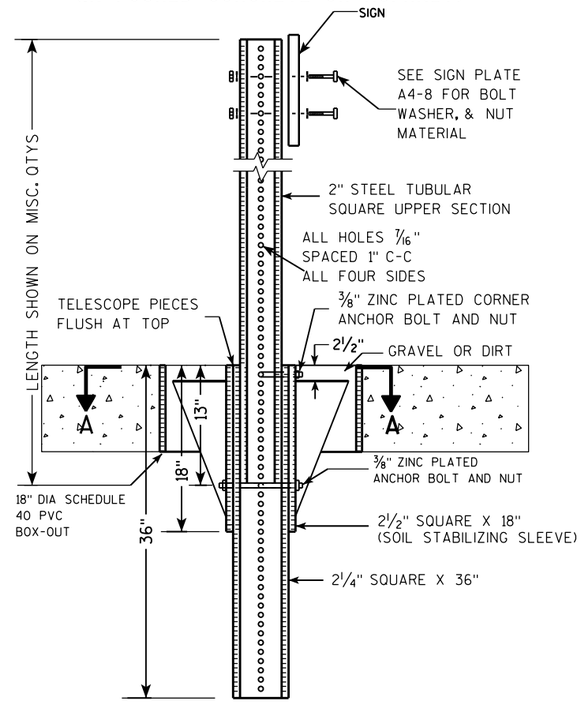
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



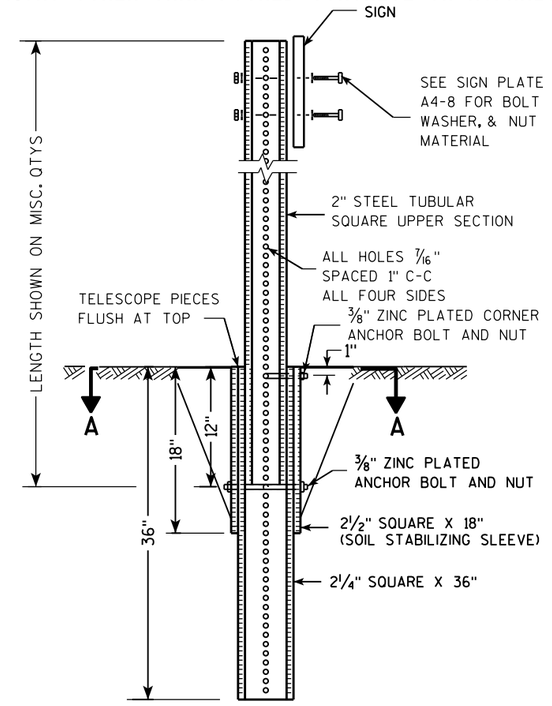
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

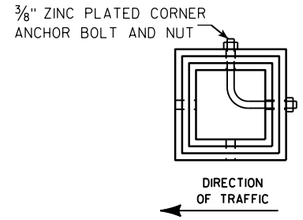


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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





SECTION A-A

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

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

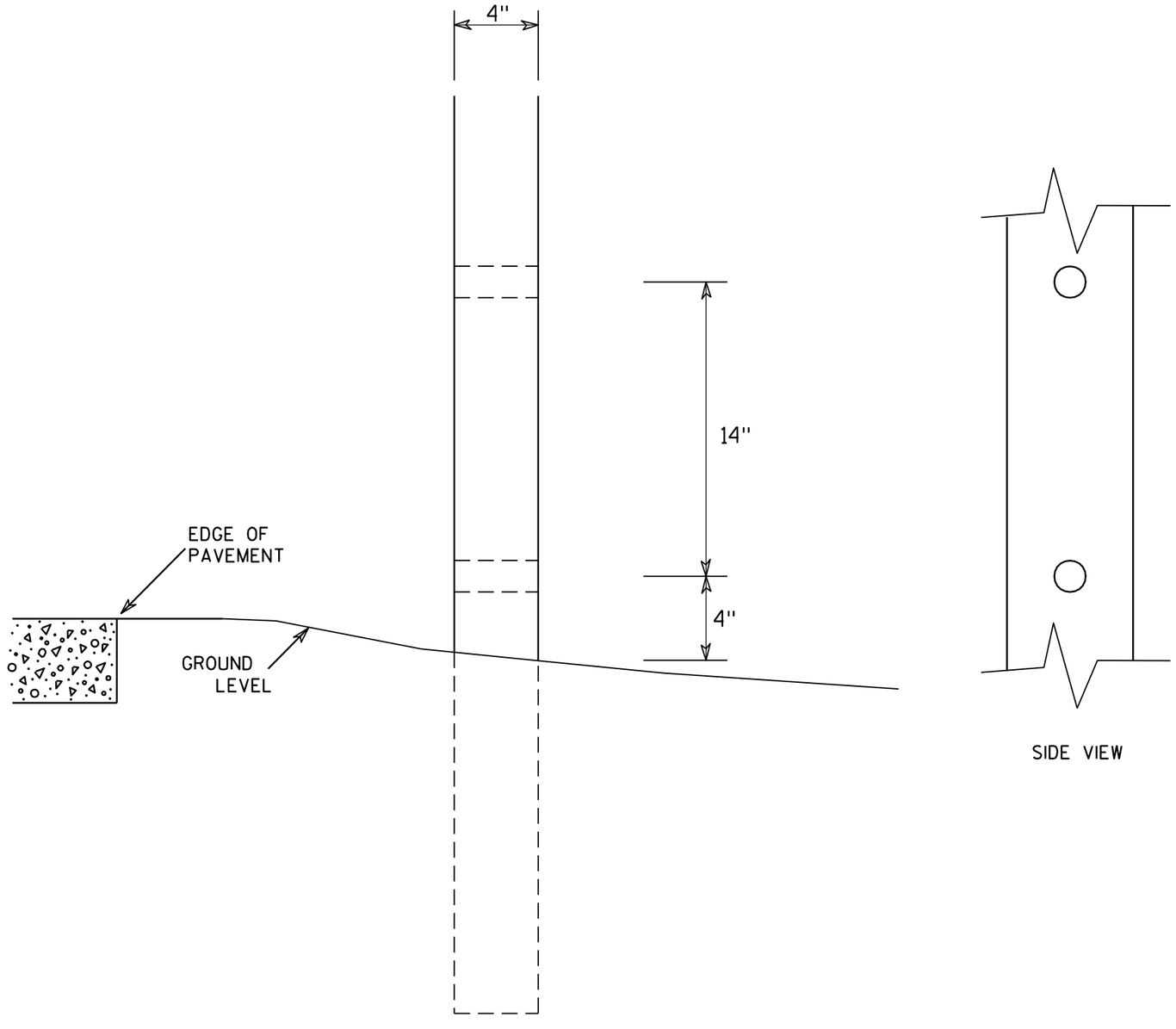
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 196 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

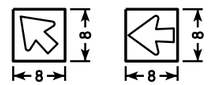
APPROVED Chester J Spang
for State Traffic Engineer

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

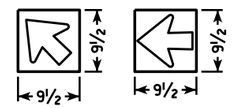
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 197	E

SIGN LAYOUT WITH VARIOUS SIZED MESSAGES

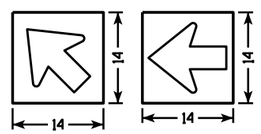




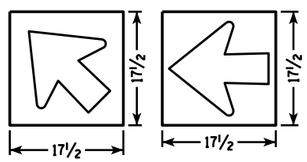










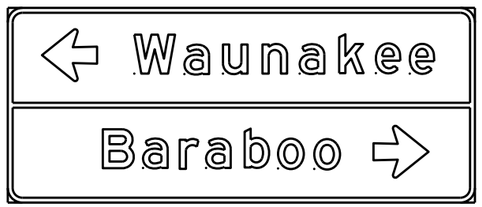


GENERAL NOTES

1. Materials shall conform to Standard Specification Section 637.
   Base - Sheet Aluminum 0.040" Thickness
   Sheeting - Orange Type F Reflective
   Arrow - Black Non-Reflective
2. Arrow signs shall be fastened to permanent sign by either aluminum rivets or aluminum self-tapping sheet metal screws. There shall be a minmum of 2 fasteners used per arrow sign.
3. There shall be a spacer consisting of a 0.08" nylon washer between the back of the arrow sign and the face of the permanent sign.
4. Arrows are per standard plate A1-2
5. Use separate arrow sign for each destination
6. Tilt arrow is always at 45 degrees
7. Arrow is centered on arrow sign

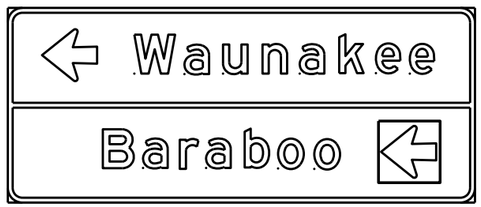
Lower Case Copy Size	Standard Width (Single Arrow)	2 Line Tilt Arrow Cover Width	3 Line Tilt Arrow Cover Width	Height
3¾" Series C	8	9 ½	14 ½	8
4½" Series D & E	9 ½	10	15	9 ½
6" Series D & E	14	16	20 ½	14
8" Series E	17 ½	20 ½	25	17 ½

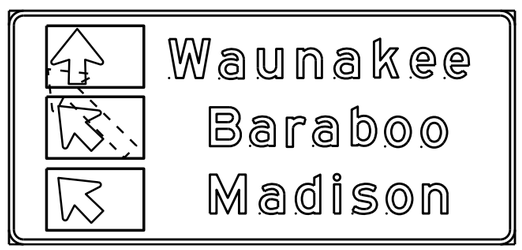
BEFORE





AFTER





DESTINATION DIRECTIONAL ARROW FOR DETOUR SIGNS

WISCONSIN DEPT OF TRANSPORTATION

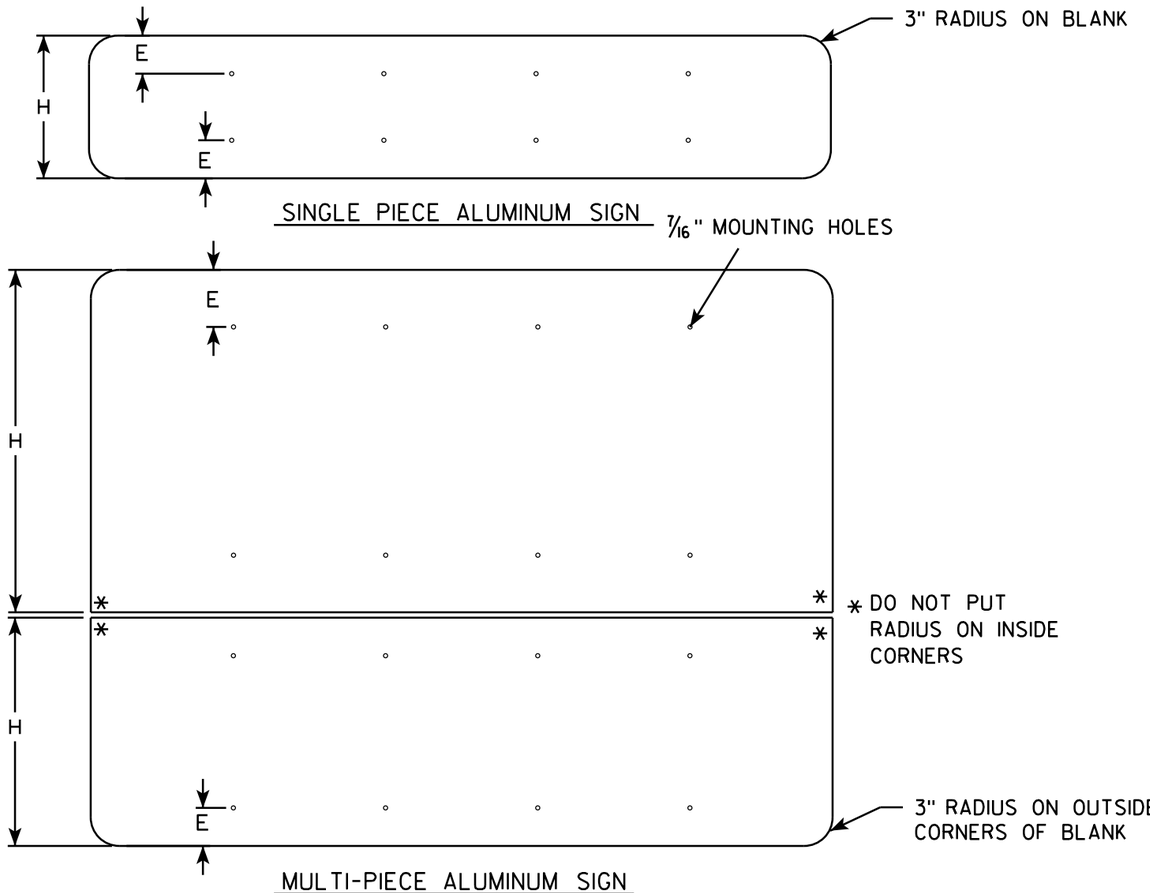
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/08/14

A4-12.2

PROJECT NO:

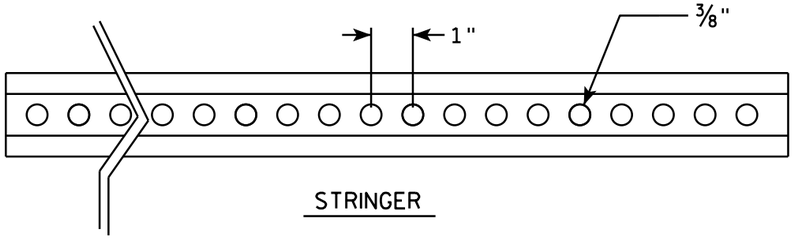
SHEET NO: E



GENERAL NOTES

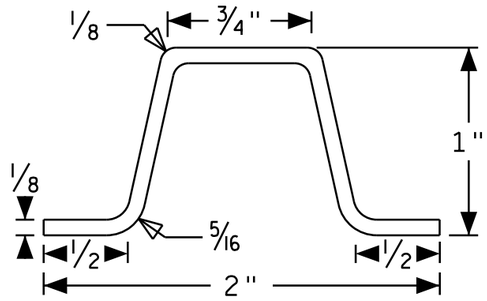
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

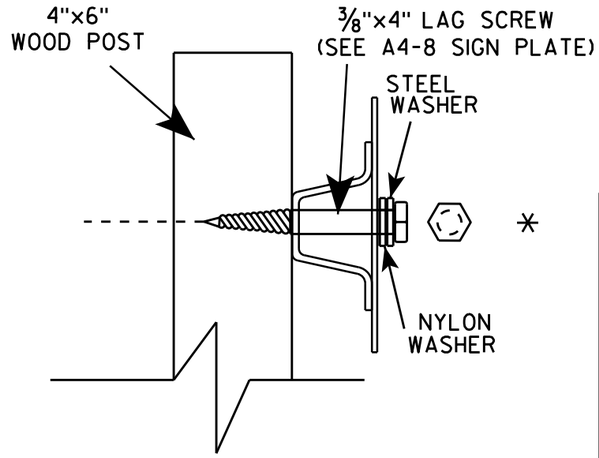


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

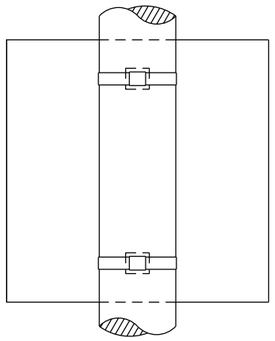
DATE 4/26/16 PLATE NO A4-18.1

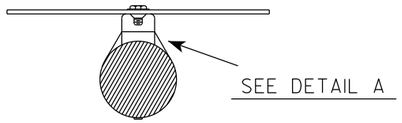
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

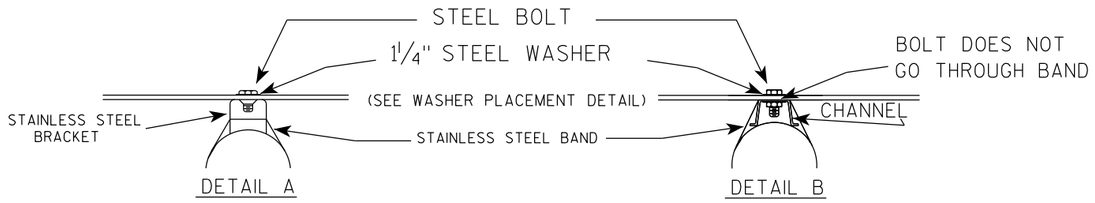
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BANDING

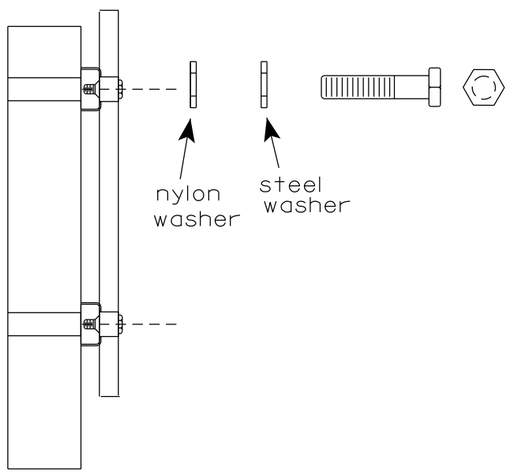
SINGLE SIGN







WASHER PLACEMENT

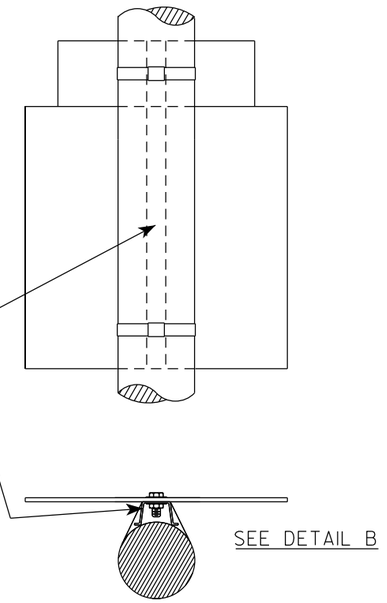


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be 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



STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

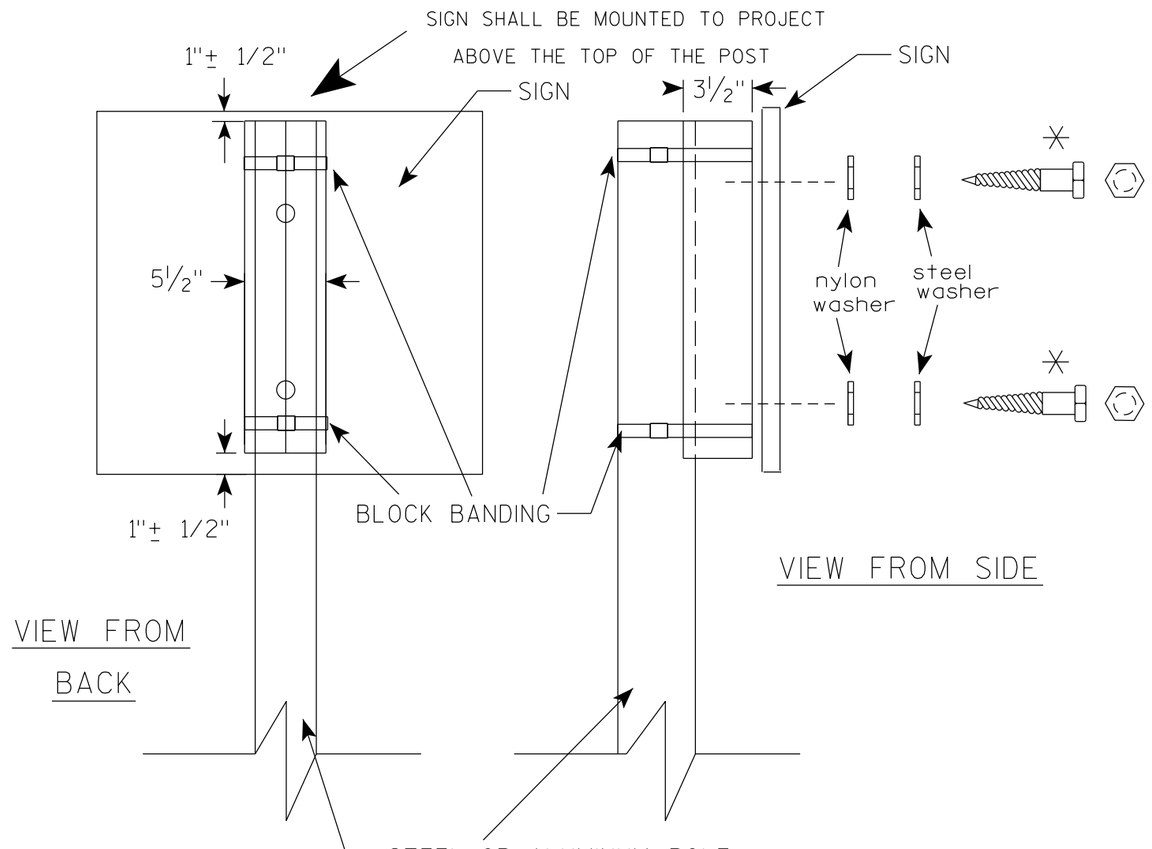
DATE 6/10/19 PLATE NO. A5-9.4

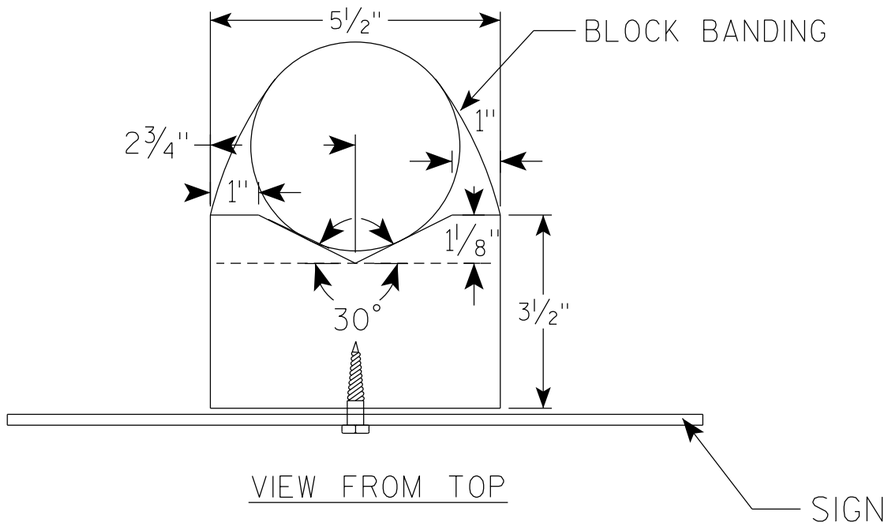
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 200	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

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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)

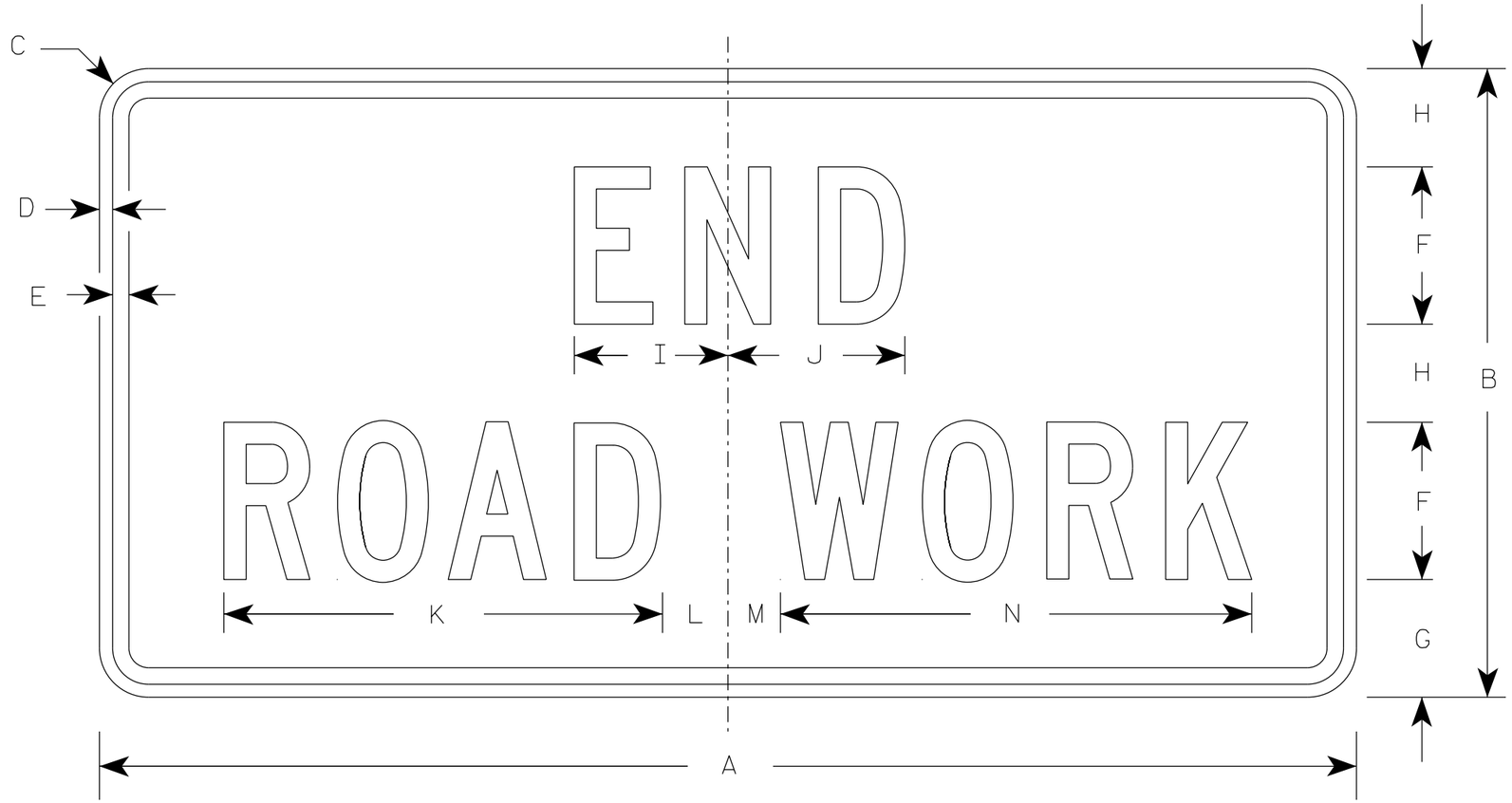
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 201 E



G20-2A

NOTES

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

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

STANDARD SIGN

G20-2A

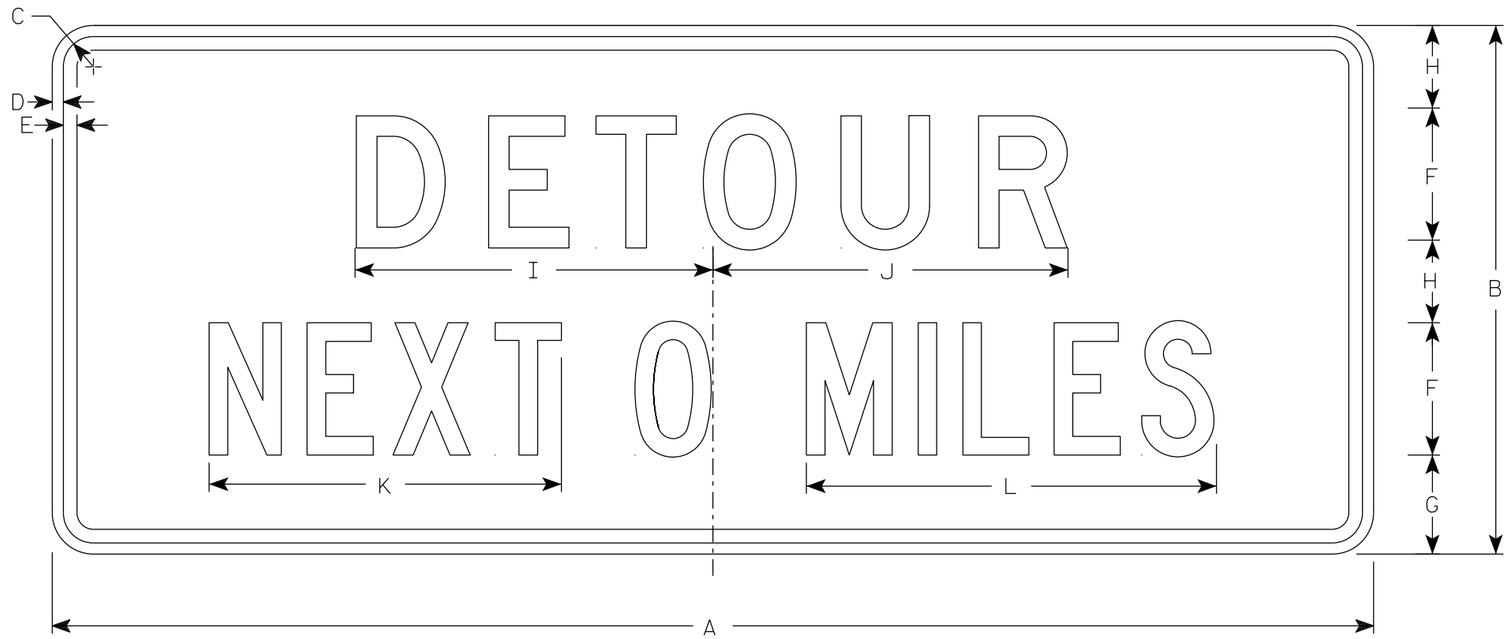
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/26/2023 PLATE NO. G20-2A.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 202 E

7



G20-51

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - Line 1 is D and Line 2 is C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Round distance to nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	60	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10.0
2M	60	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10.0
3	60	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10.0
4	60	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10.0
5	60	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10.0

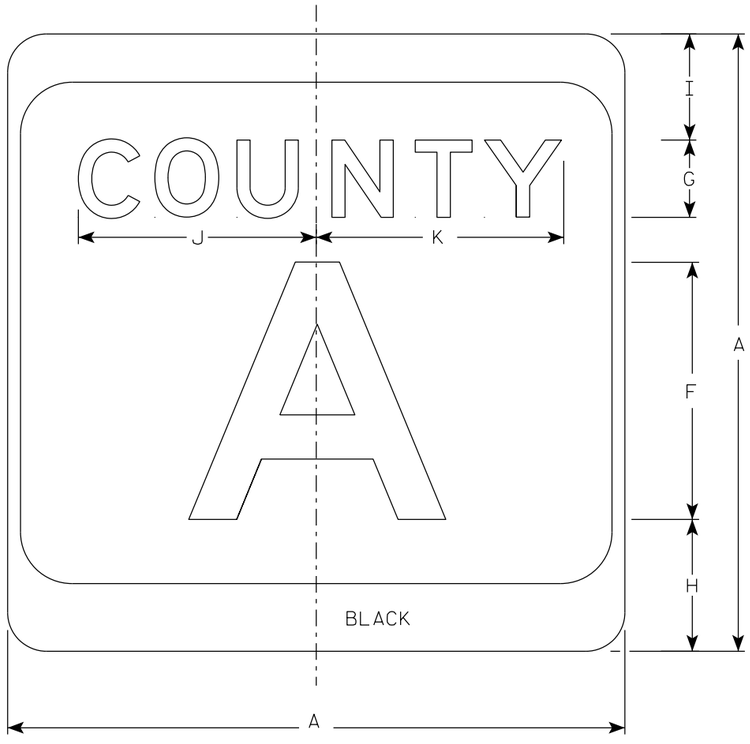
STANDARD SIGN
G20-51

WISCONSIN DEPT OF TRANSPORTATION

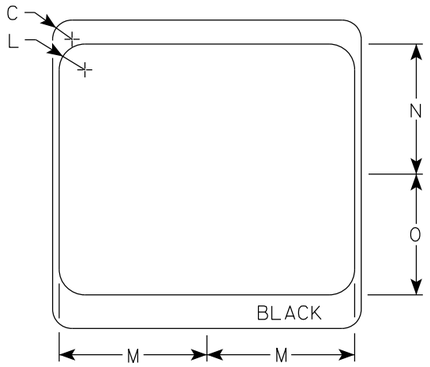
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/26/2023 PLATE NO. G20-51.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 203	E

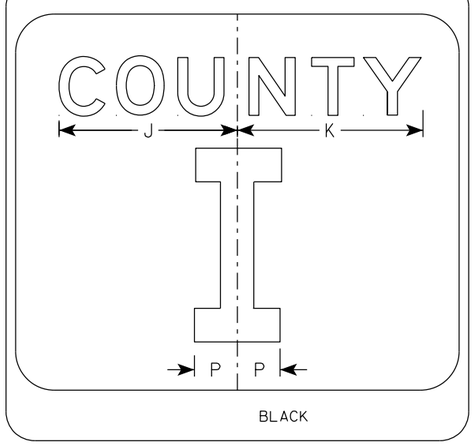


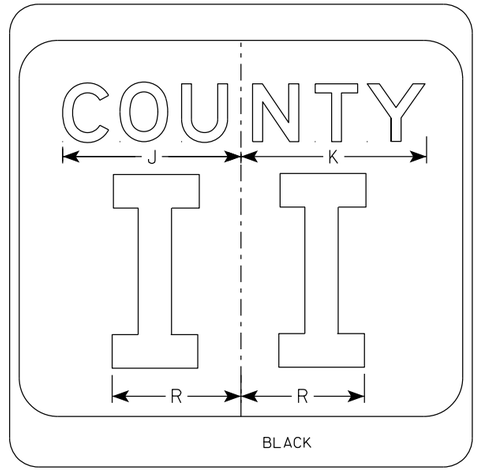
M1-5A



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White & Black
   Message - Black
3. Message Series - see Note 4
4. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
5. Substitute appropriate letters & optically center to achieve proper balance.





SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
2M	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

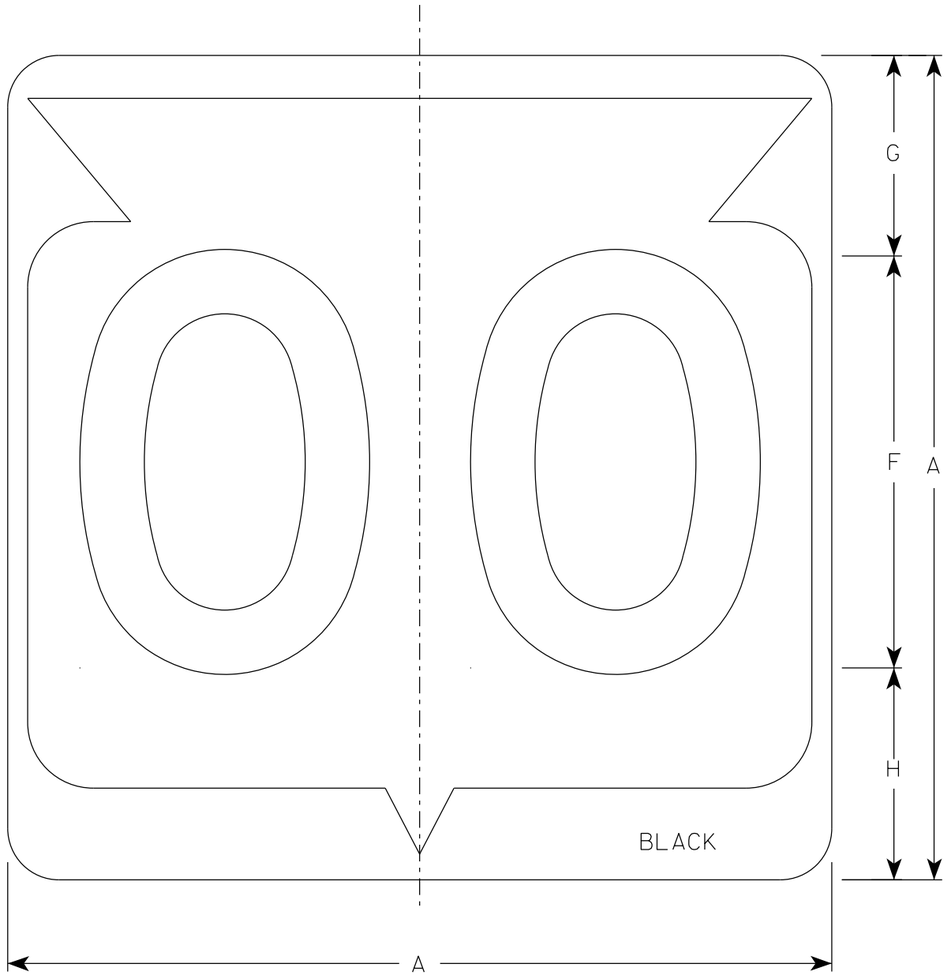
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/8/2022 PLATE NO. M1-5A.9

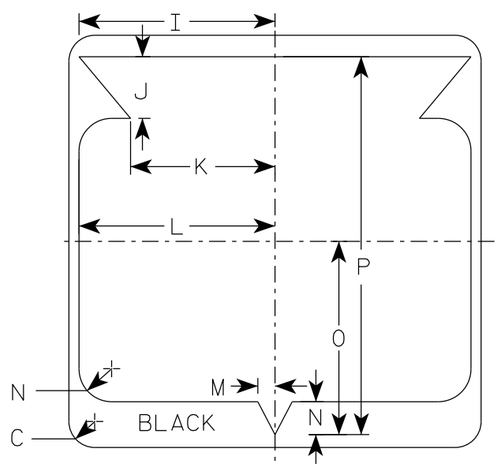
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M1-6



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C

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

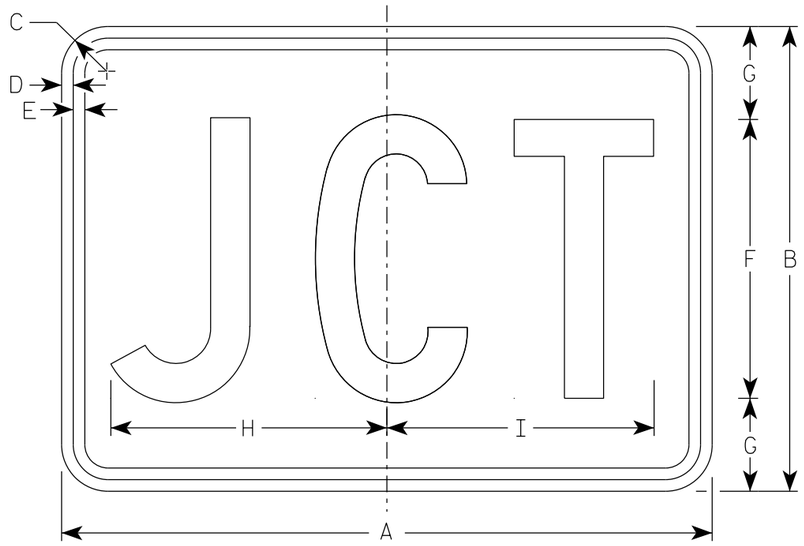
STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

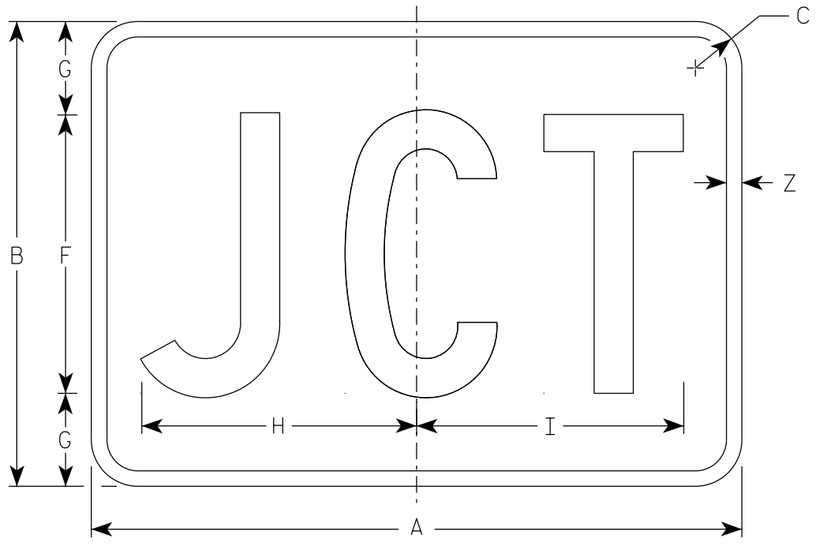
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/8/2022 PLATE NO. M1-6.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 205	E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21	15	1 1/2	3/8	3/8	9	3	8 7/8	8 5/8																	1/2	2.20
2M	21	15	1 1/2	3/8	3/8	9	3	8 7/8	8 5/8																	1/2	2.20
3	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40
4	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40
5	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40

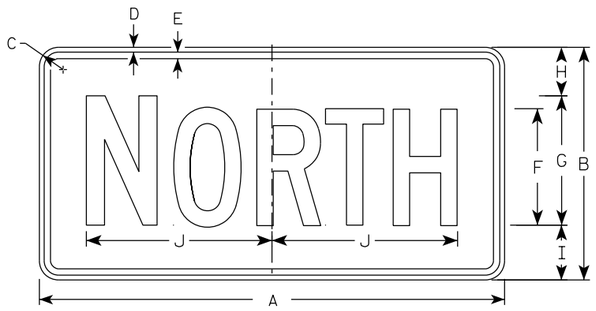
STANDARD SIGN
M2-1

WISCONSIN DEPT OF TRANSPORTATION

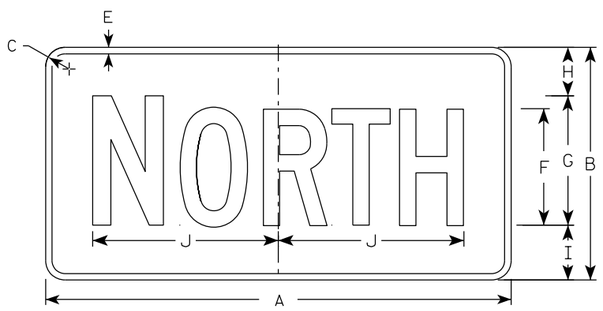
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/8/2023 PLATE NO. M2-1.14

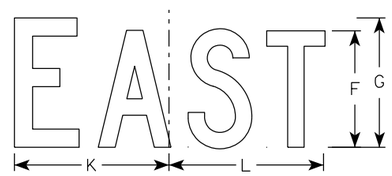
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 206 | E



M3-1
MM3-1
MP3-1



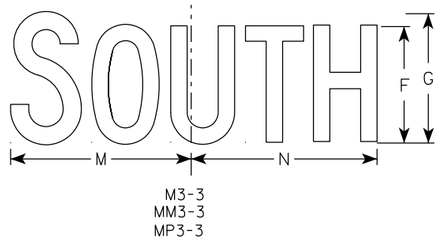
MB3-1
MK3-1
MN3-1



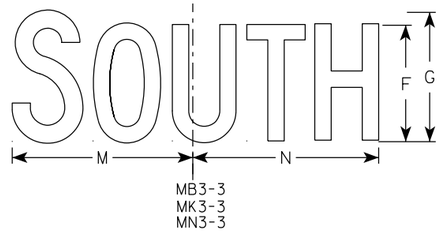
M3-2
MM3-2
MP3-2



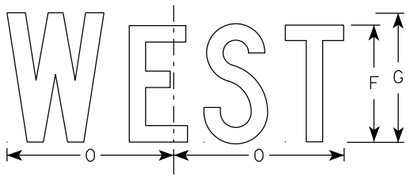
MB3-2
MK3-2
MN3-2



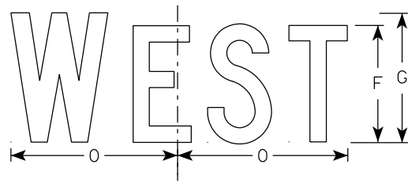
M3-3
MM3-3
MP3-3



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 Reflective
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																											
2S	24	12	1 1/2	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												2.00
2M	24	12	1 1/2	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												2.00
3	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
4	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
5	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5

STANDARD SIGNS
M3-1 THRU M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

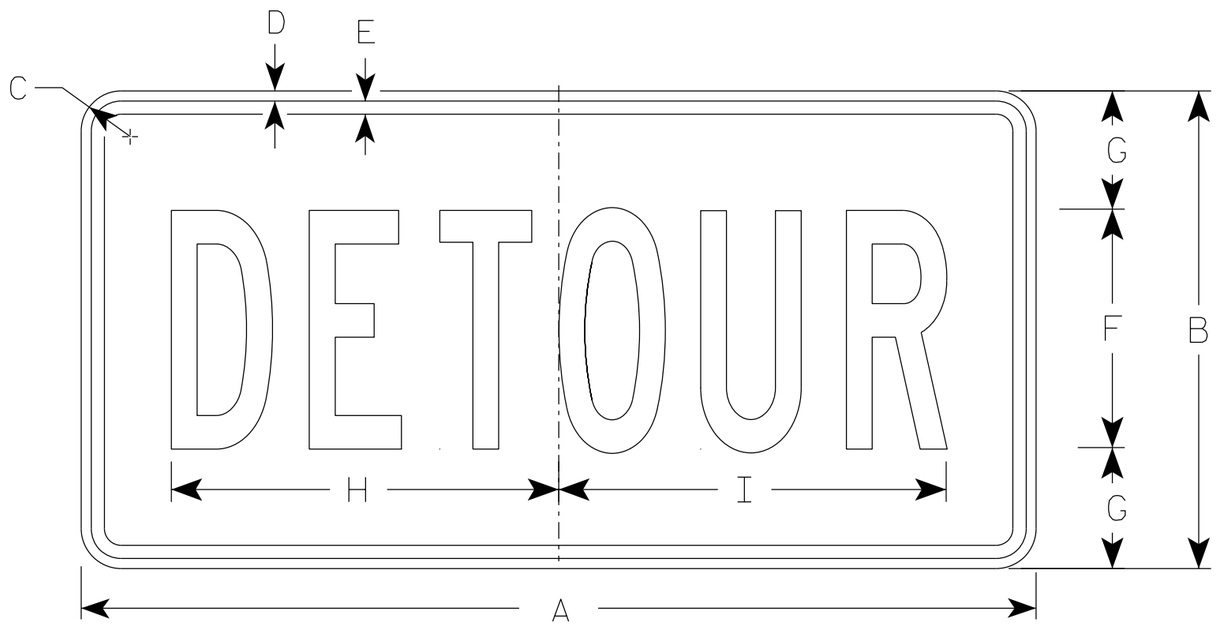
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/8/2023 PLATE NO. M3-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 207 | E

NOTES

1. Sign is Type II - Type F Reflective
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.



M4-8

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/2	3/8	3/8	6	3	10	10 1/4																		2.0
2M	24	12	1 1/2	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
5	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5

STANDARD SIGN
M4-8

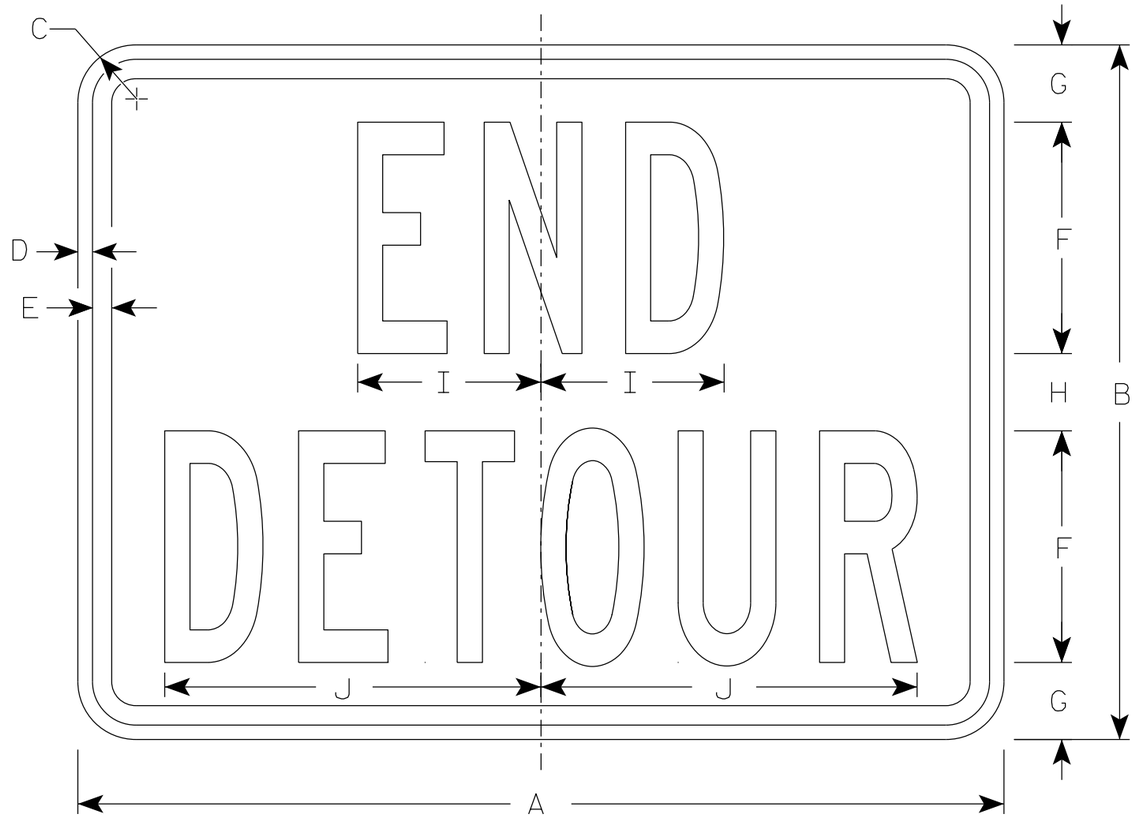
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M48.dgn PLOT DATE : 9-FEB 2023 7:38 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



M4-8A

NOTES

1. Sign is Type II - Type F Reflective
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 ½	⅜	½	6	2	2	4 ¾	9 ¾																	3.0
2M	24	18	1 ½	⅜	½	6	2	2	4 ¾	9 ¾																	3.0
3	30	24	1 ½	⅜	½	8	2 ½	3	6 ¾	13																	5.0
4	30	24	1 ½	⅜	½	8	2 ½	3	6 ¾	13																	5.0
5	30	24	1 ½	⅜	½	8	2 ½	3	6 ¾	13																	5.0

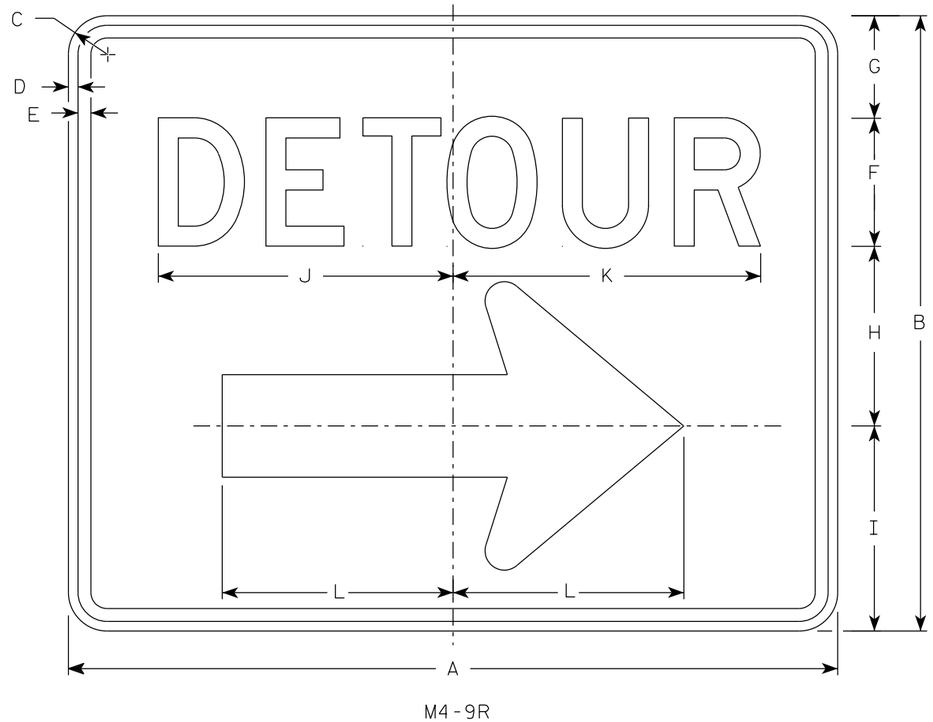
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8A.4

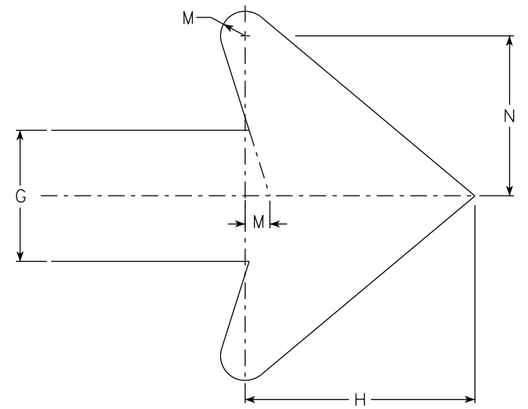
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 209 | E



M4-9R

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.
4. 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 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
2M	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 7/8	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 7/8	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

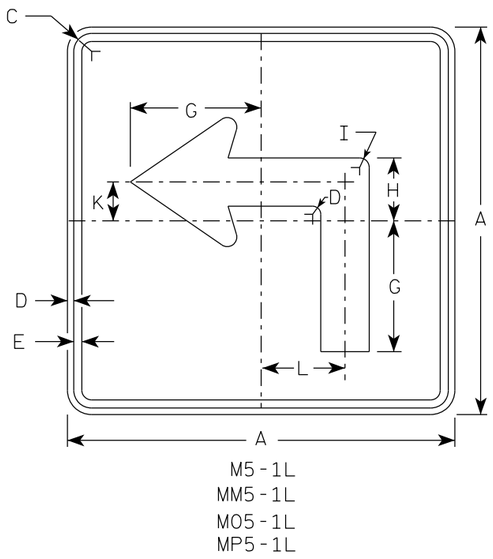
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

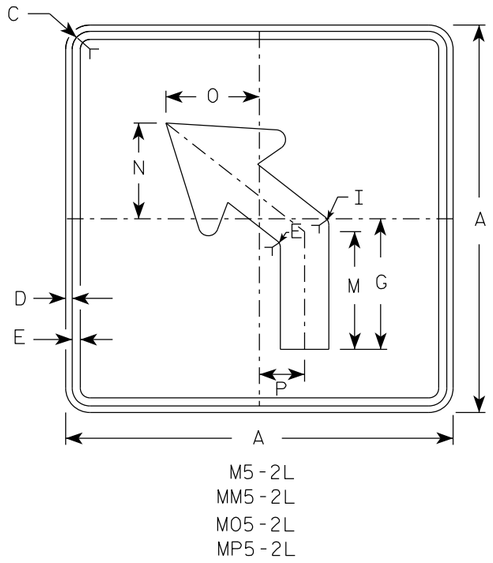
DATE 2/9/2023 PLATE NO. M4-9R.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

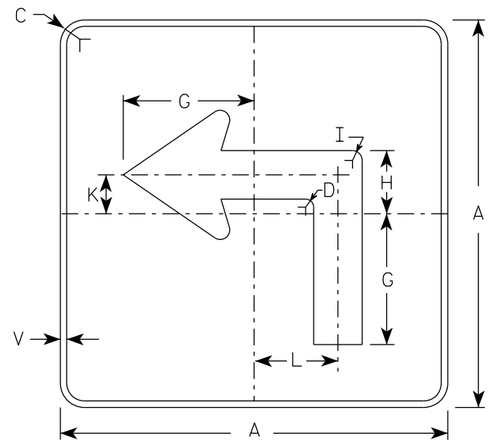
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M49R.dgn PLOT DATE : 21-MARCH 2023 1:40 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



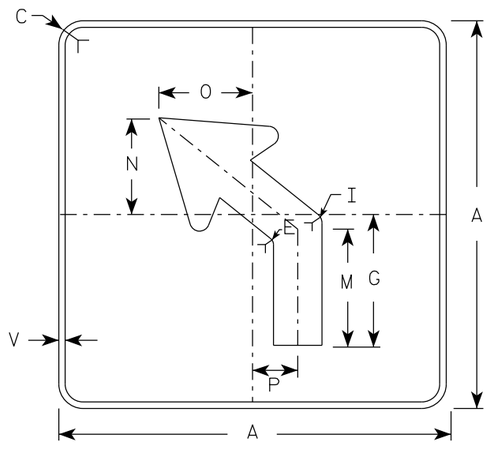
M5-1L
MM5-1L
MO5-1L
MP5-1L



M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L

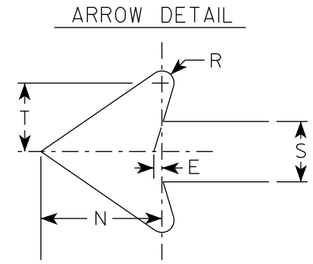


MB5-2L
MK5-2L
MN5-2L
MR5-2L

NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

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	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
2M	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
3	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
4	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
5	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25

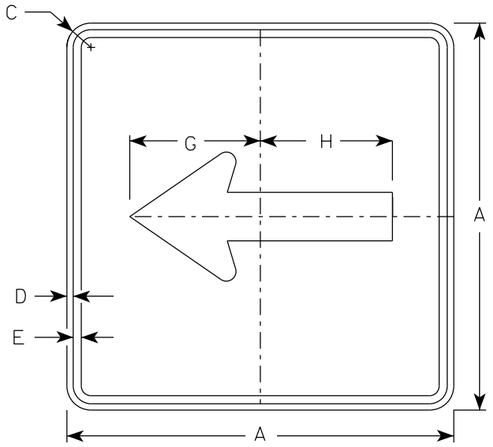
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

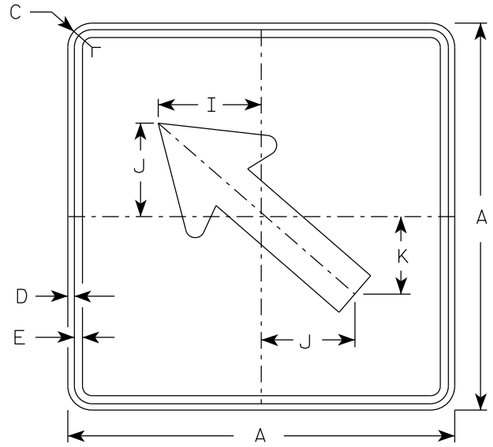
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M5-1.15

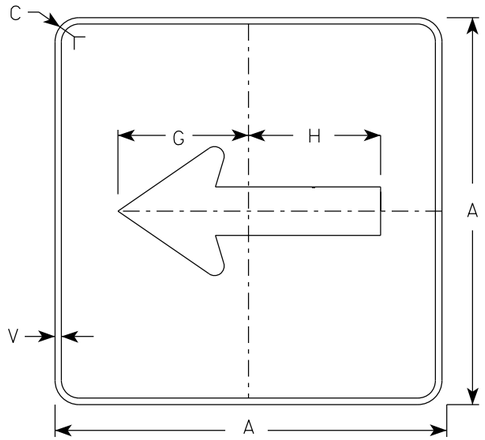
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 211 | E



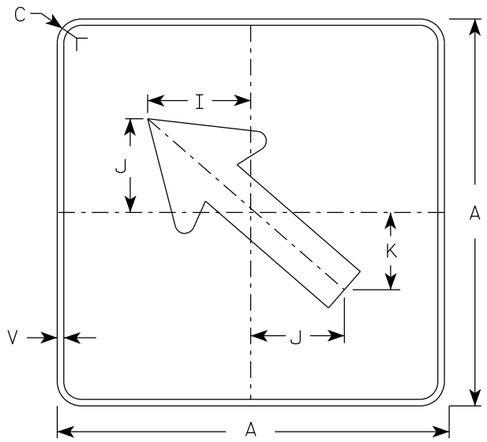
M6-1
MM6-1
MO6-1
MP6-1



M6-2
MM6-2
MO6-2
MP6-2



MB6-1
MK6-1
MN6-1
MR6-1

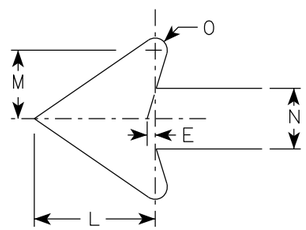


MB6-2
MK6-2
MN6-2
MR6-2

NOTES

1. Signs are Type II - Type H Reflective except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. 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

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	21		1 1/2	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							1/2					3.06
2M	21		1 1/2	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							1/2					3.06
3	30		1 7/8	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							1/2					6.25
4	30		1 7/8	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							1/2					6.25
5	30		1 7/8	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							1/2					6.25

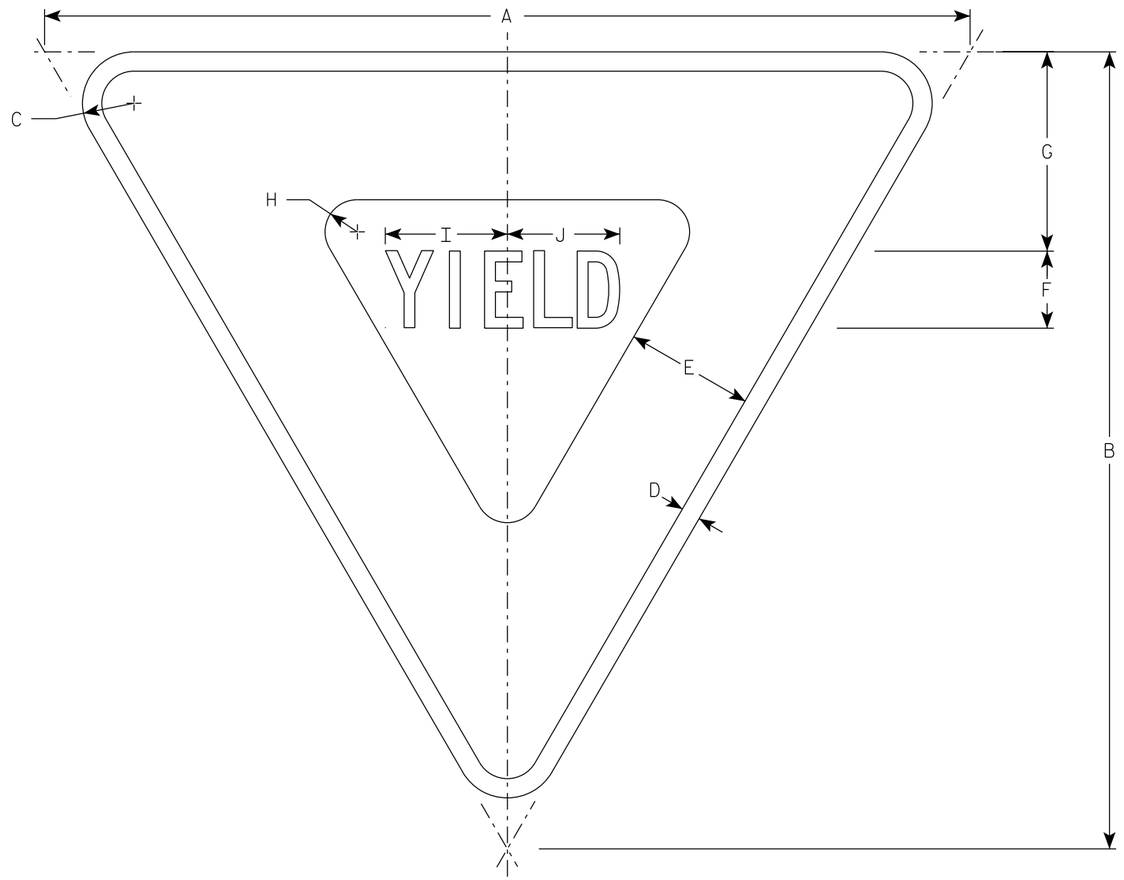
STANDARD SIGN
M6-1 & M6-2
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 212 | E



R1-2

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 4
3. Message Series - C
4. The border strip and word message are reflectorized red.

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

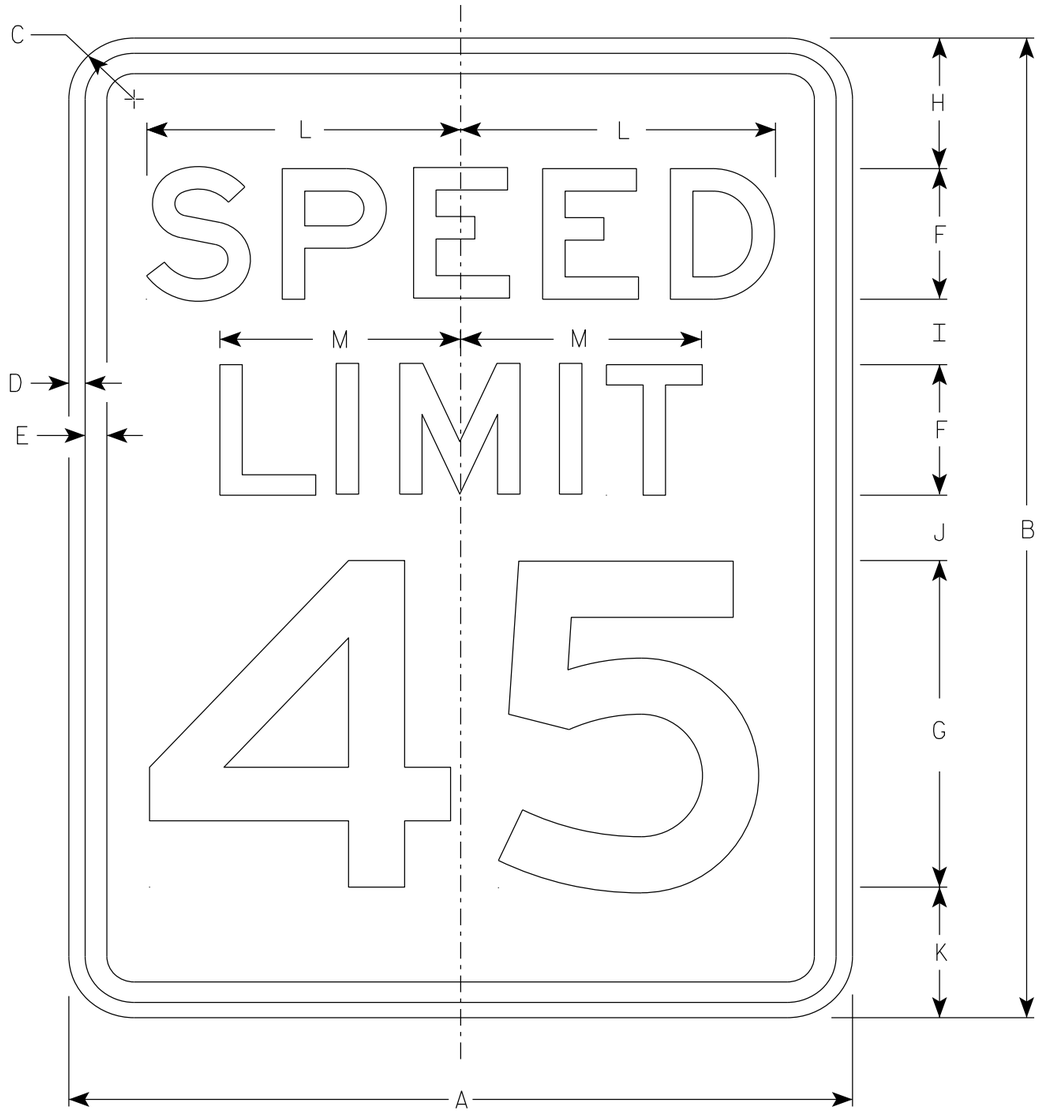
STANDARD SIGN
R1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/10/2024 PLATE NO. R1-2.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 213	E



R2-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. 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 1/2	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/2	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 7/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	3	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

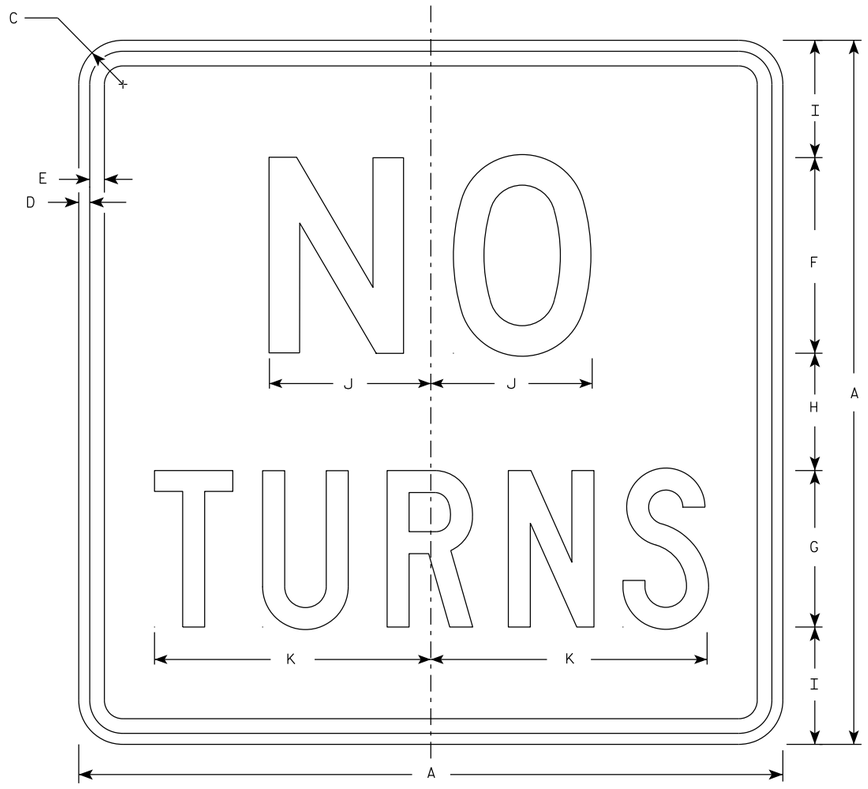
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/23 PLATE NO. R2-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 214 | E



R3-3

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - See Note 4
4. Line 1 is Series D and Line 2 is Series C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/2	3/8	1/2	6	5	4	4 1/2	5 1/8	8 3/4																4.0
2M	36		2 1/4	5/8	3/4	10	8	6	6	8 1/4	14 1/8																9.0
3	36		2 1/4	5/8	3/4	10	8	6	6	8 1/4	14 1/8																9.0
4	36		2 1/4	5/8	3/4	10	8	6	6	8 1/4	14 1/8																9.0
5	48		2 1/4	3/4	1	12	10	8	9	10 1/4	17 5/8																16.0

STANDARD SIGN
R3-3

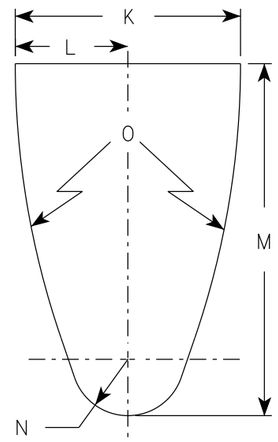
WISCONSIN DEPT OF TRANSPORTATION

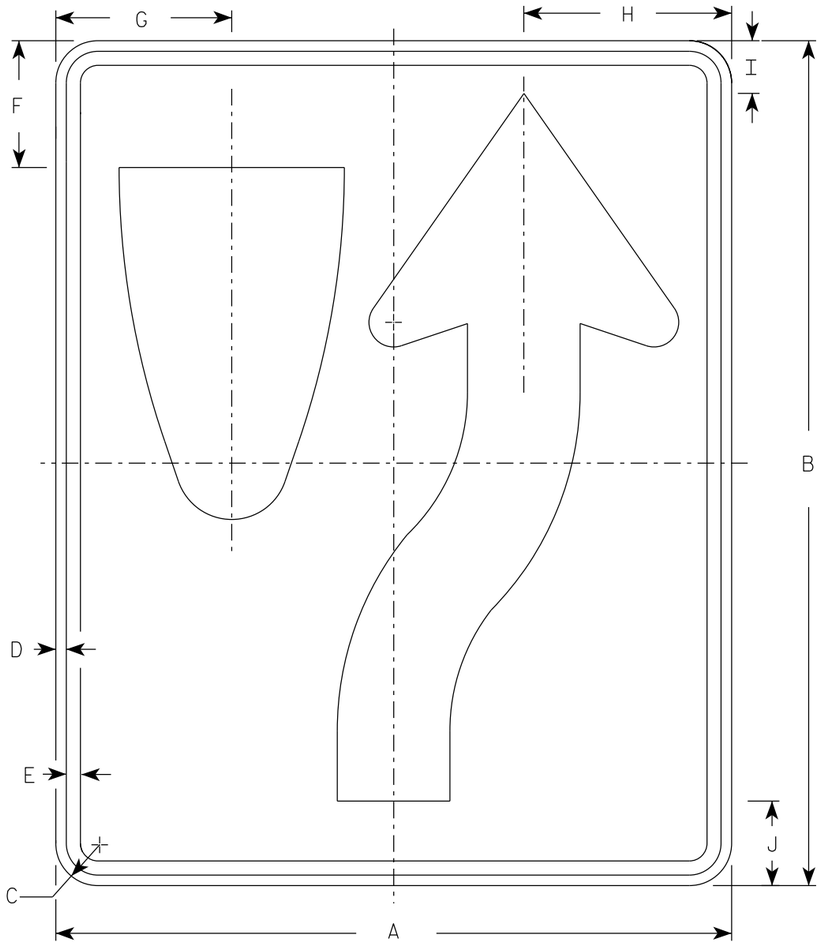
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/23 PLATE NO. R3-3.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 215 | E

DIVIDER DETAIL



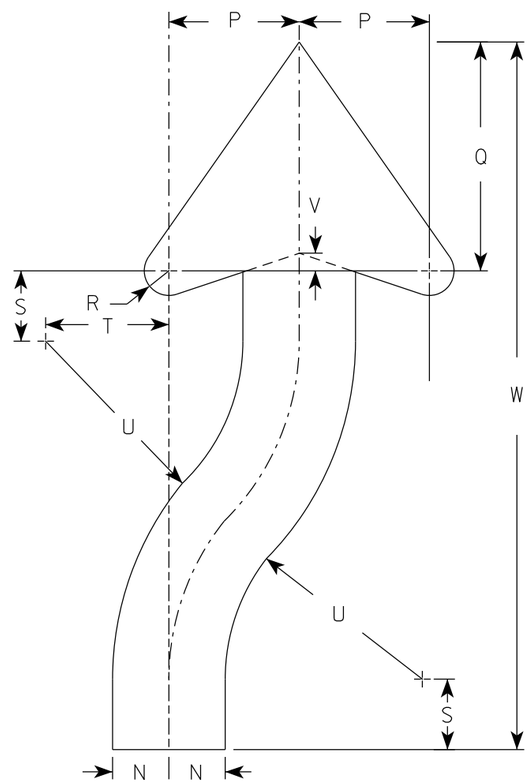


R4-7

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. 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 1/2	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 1/2	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 1/2	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 7/8	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 7/8	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	3	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

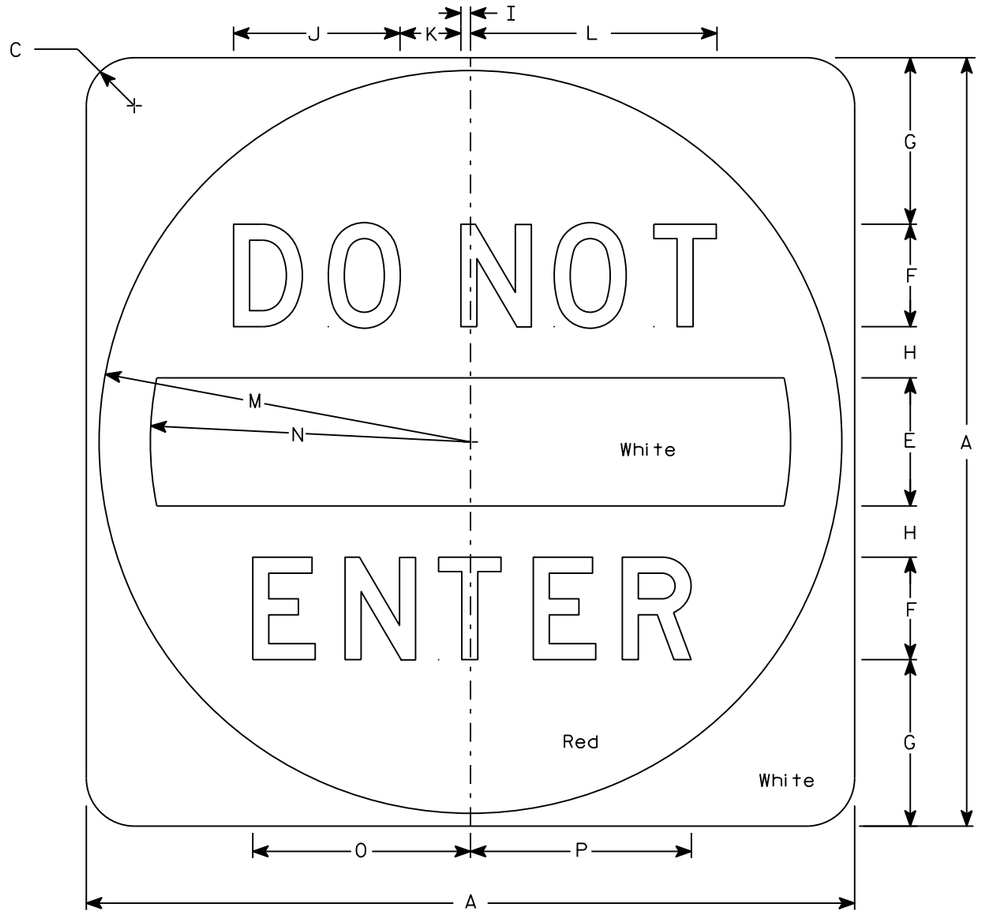
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 8/17/23 PLATE NO. R4-7.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 216	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See detail
   Message - White
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

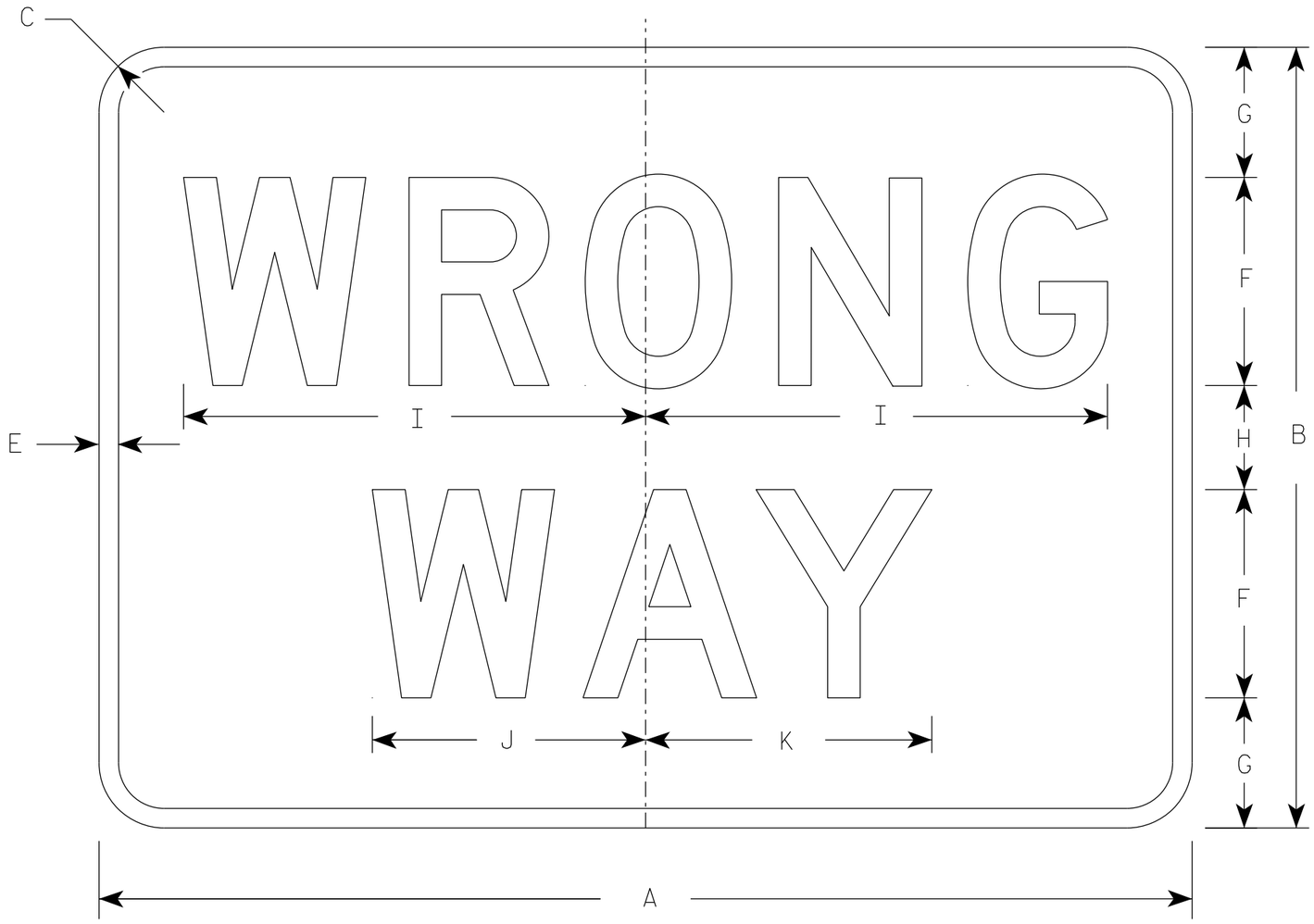
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 217 | E



R5-1A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Red
   Message - White
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	1 1/2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75

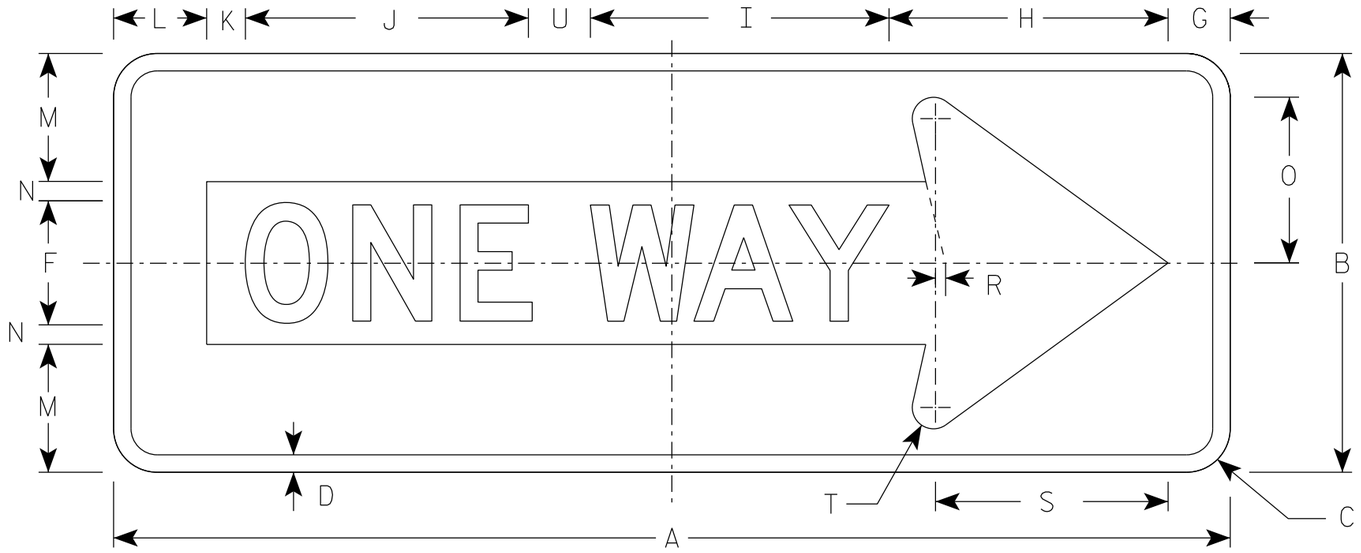
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

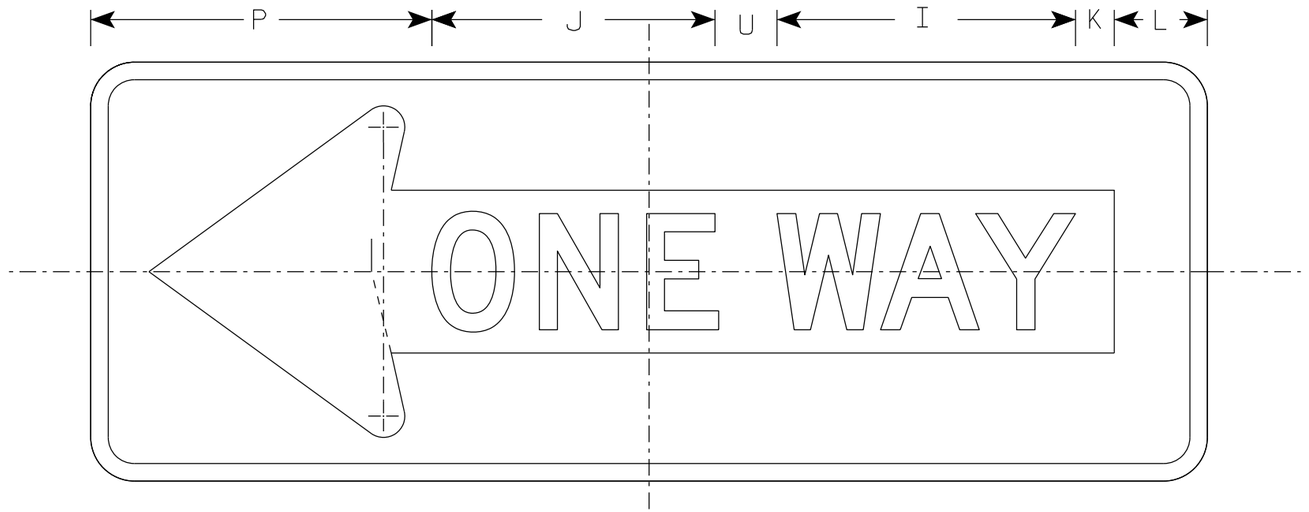
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/23 PLATE NO. R5-1A.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 218 | E



R6-1R



R6-1L

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Black
   Message - Black Legend & White Arrow & Border
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	12	1 ½	½		4	2	7 ½	9 ⅝	9 ⅛	1 ¼	3	3 ⅜	⅝	4 ⅜	11		⅜	7 ½	¾	2						3.0
2M	48	18	1 ⅞	¾		5	2 ½	11	13	12 ¼	2 ¾	3 ½	5 ½	1	7 ⅛	13 ½		½	10 ⅛	⅞	3						6.0
3	48	18	1 ⅞	¾		5	2 ½	11	13	12 ¼	2 ¾	3 ½	5 ½	1	7 ⅛	13 ½		½	10 ⅛	⅞	3						6.0
4	48	18	1 ⅞	¾		5	2 ½	11	13	12 ¼	2 ¾	3 ½	5 ½	1	7 ⅛	13 ½		½	10 ⅛	⅞	3						6.0
5																											

STANDARD SIGN
R6-1 L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/7/2025 PLATE NO. R6-1.5

PROJECT NO:

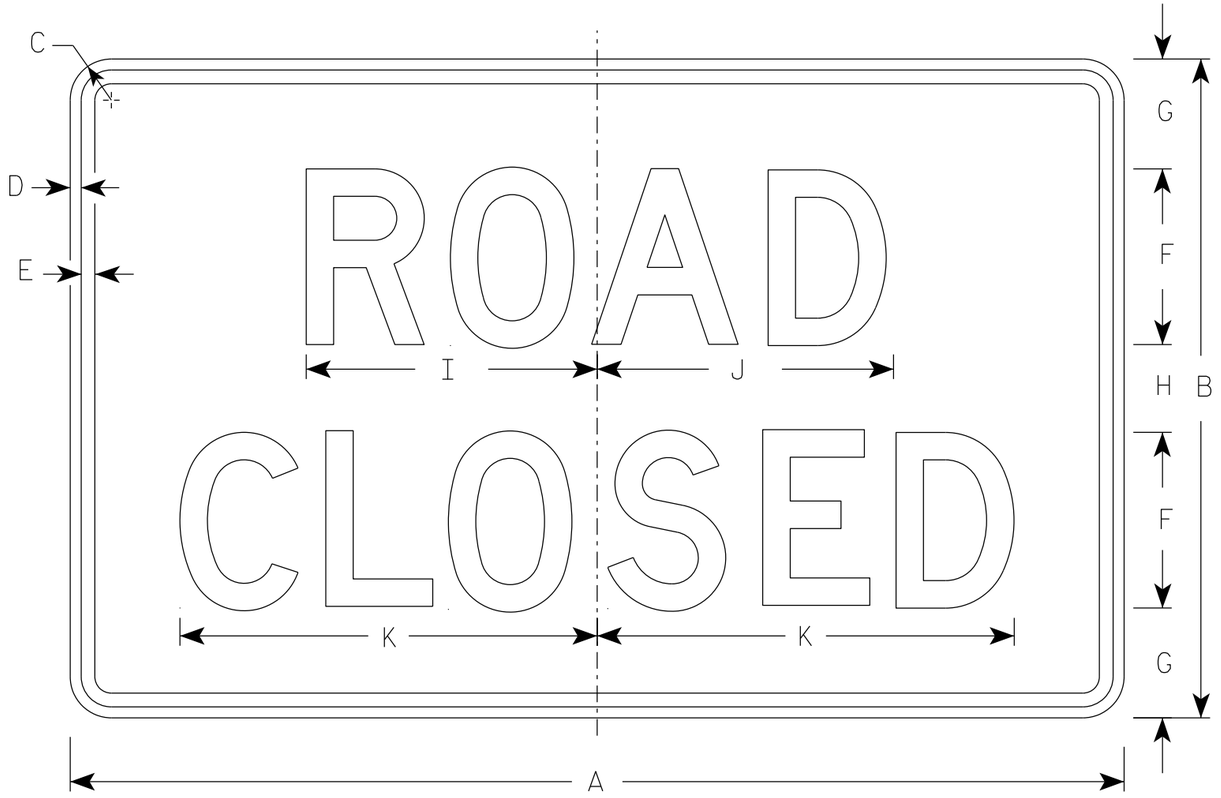
SHEET NO: 219 E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R61.dgn PLOT DATE : 7-APR 2025 1:18 PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

7

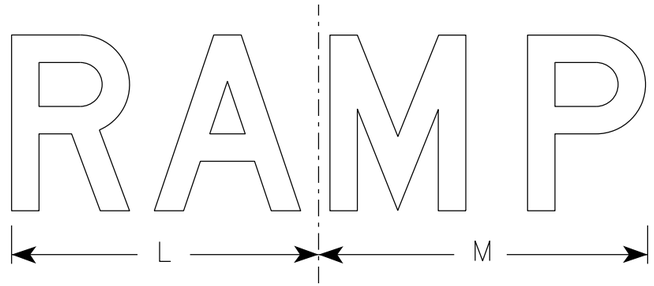
7



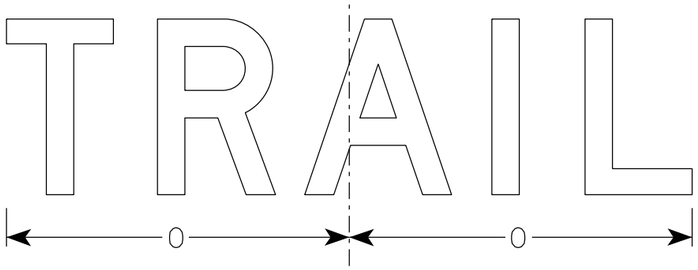
R11-2

NOTES

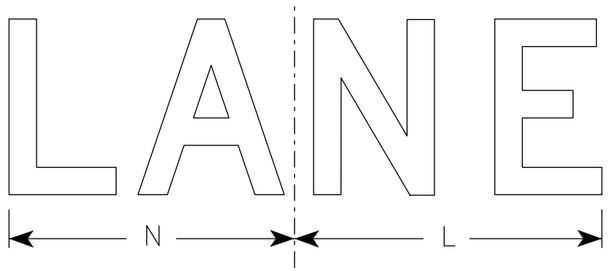
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the 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 7/8	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 7/8	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 7/8	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 7/8	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 7/8	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 2/5/24 PLATE NO. R11-2.12

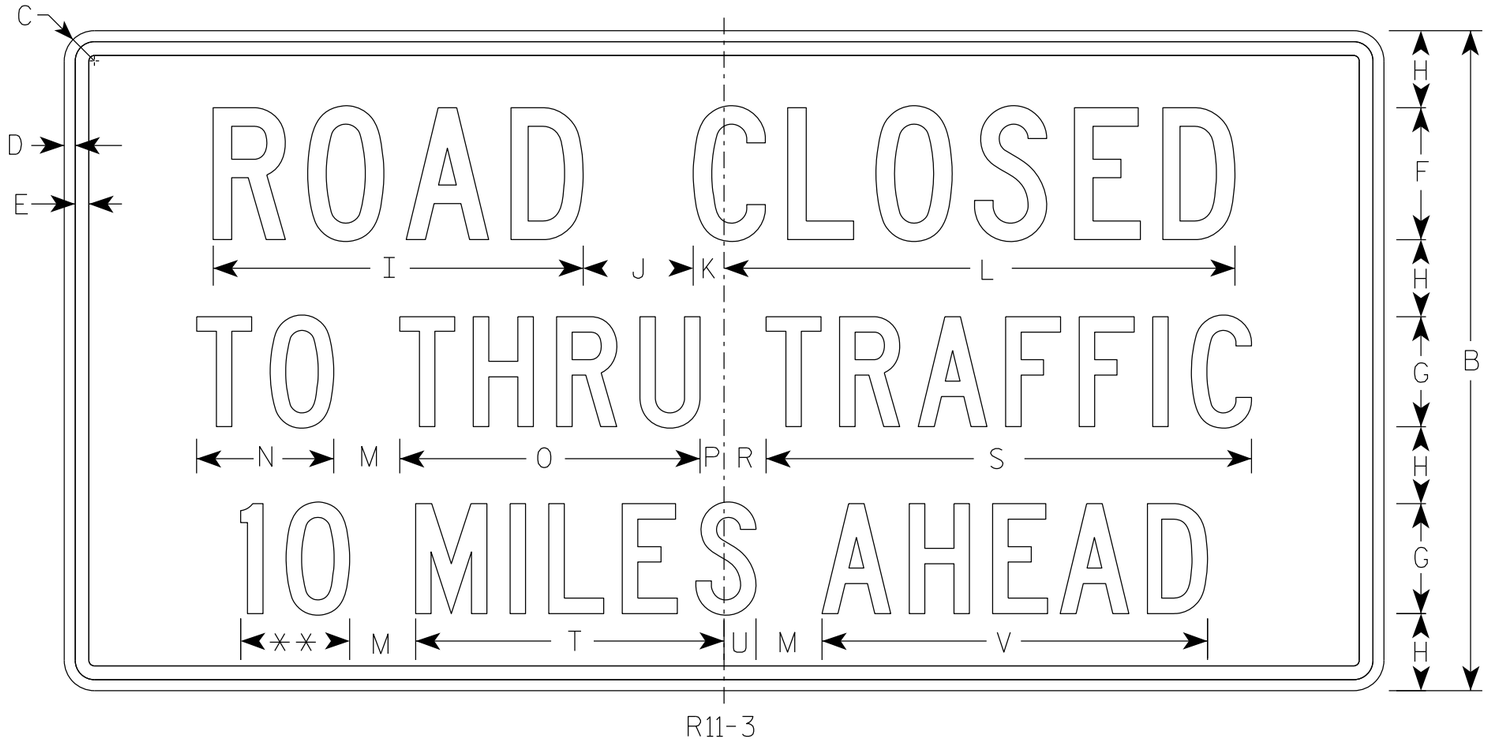
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112.dgn PLOT DATE : 5-FEB 2024 2:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

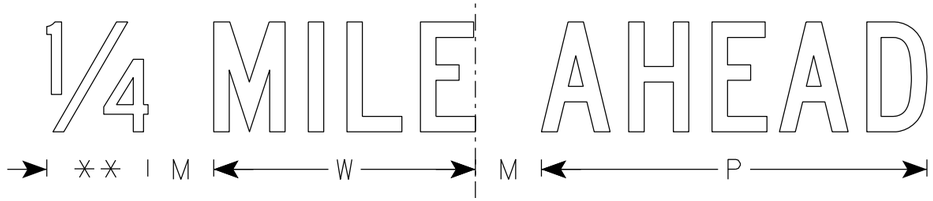
NOTES

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 1/2	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 7/8	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 7/8	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																											

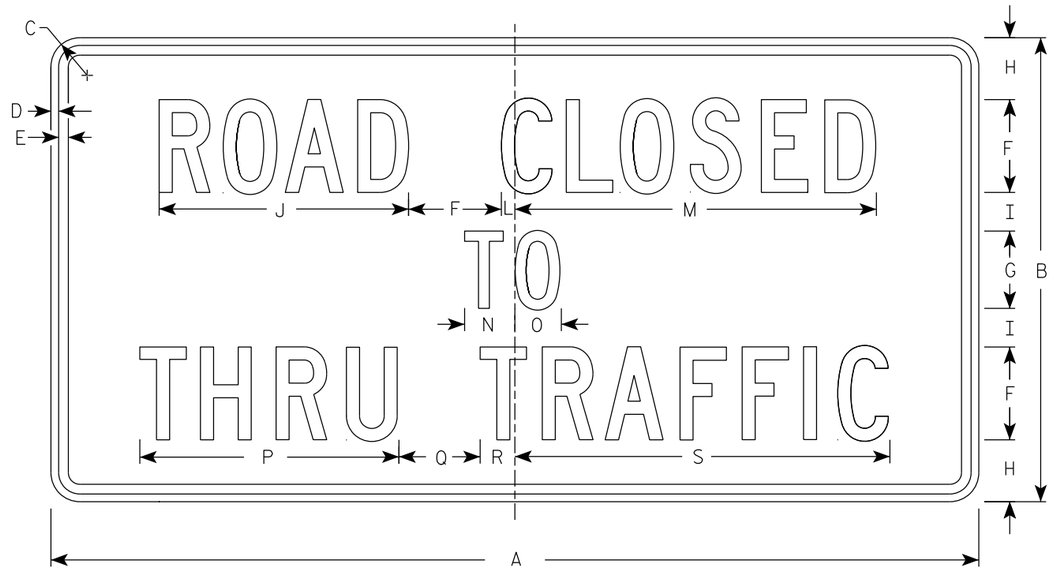
STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-3.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 221 | E



R11-4

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.

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 7/8	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 7/8	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																											

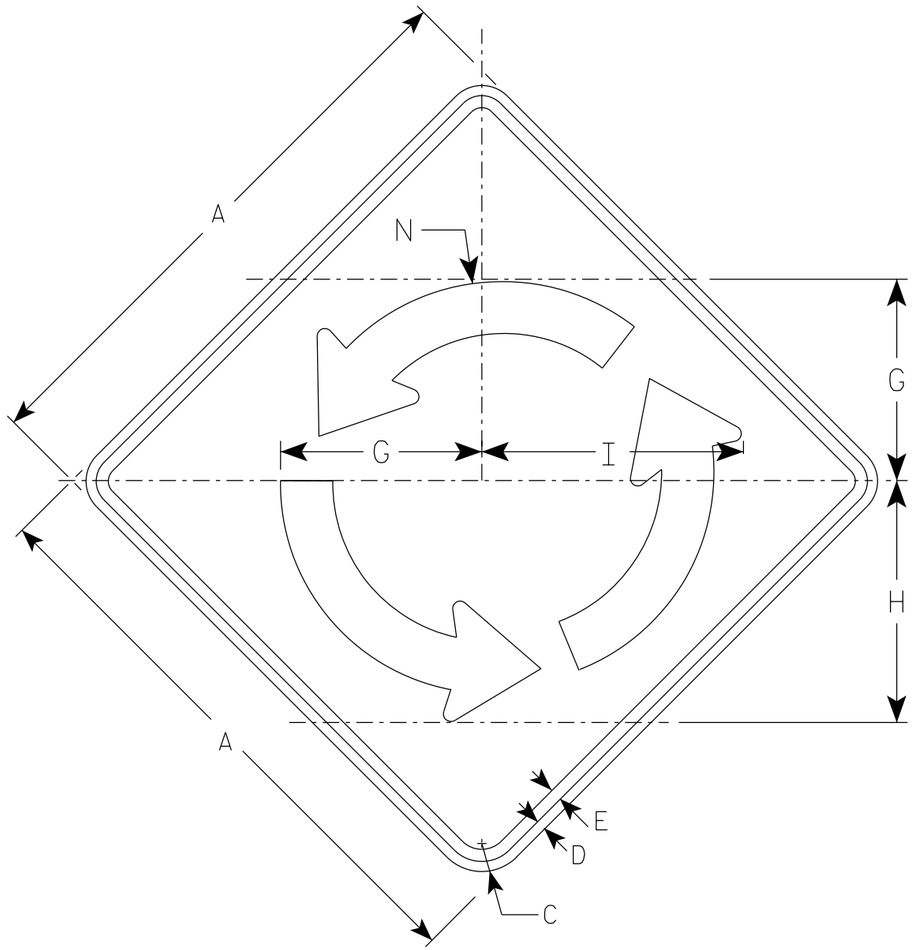
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-4.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 222 | E

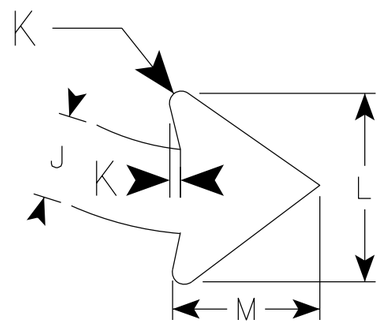


W2-6

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 7/8	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 7/8	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		2 1/4	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		3	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

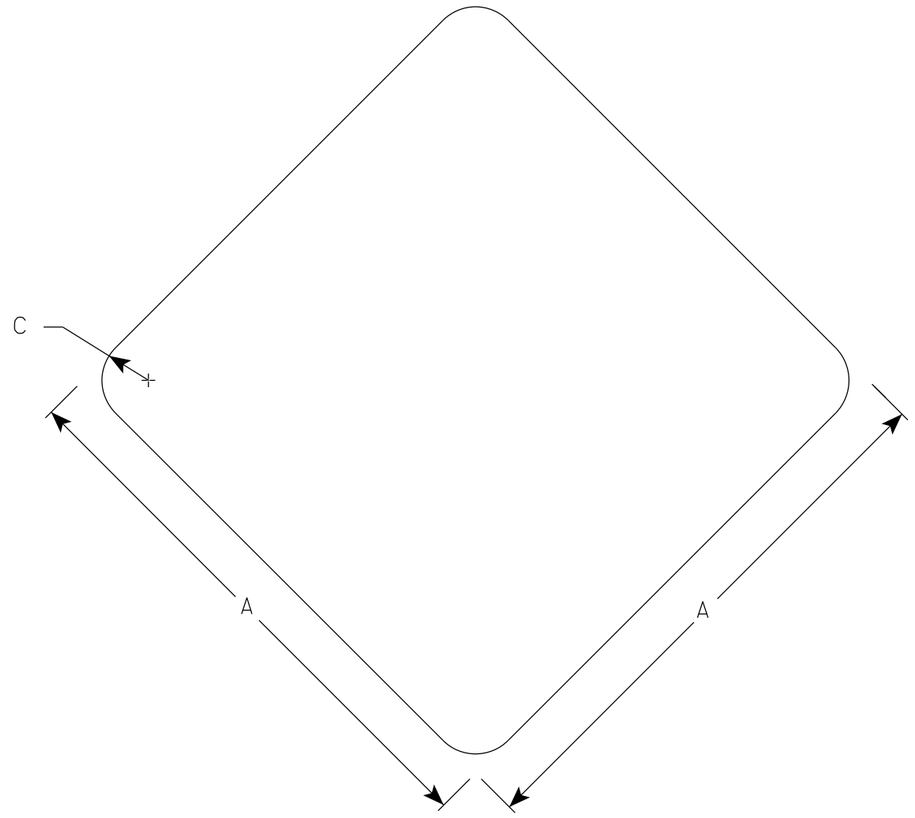
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/2023 PLATE NO. W2-6.8

PROJECT NO:

SHEET NO: 223 E



W5-54

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12		1 ½																								1.0
2S	18		1 ½																								2.25
2M	18		1 ½																								2.25
3																											
4																											
5																											

STANDARD SIGN
W5-54

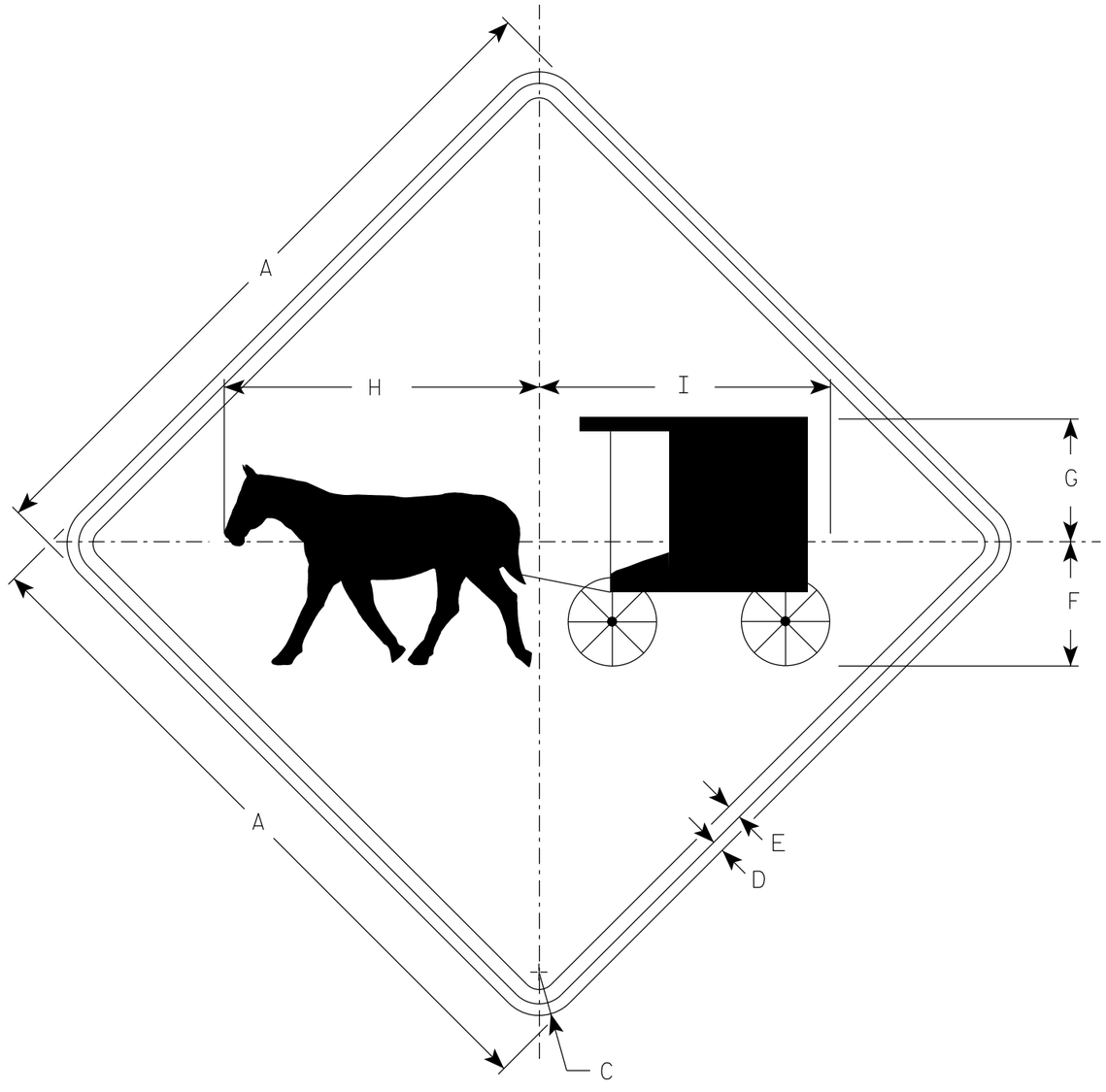
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/5/2024 PLATE NO. W5-54.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate_W554.dgn PLOT DATE : 5-MARCH 2024 11:55 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



W11-14

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 7/8	1/2	5/8	5 3/8	5 1/4	13 5/8	12 5/8																		6.25
2S	36		2 1/4	5/8	3/4	6 1/2	6 3/8	16 3/8	15 1/8																		9.0
2M	36		2 1/4	5/8	3/4	6 1/2	6 3/8	16 3/8	15 1/8																		9.0
3	36		2 1/4	5/8	3/4	6 1/2	6 3/8	16 3/8	15 1/8																		9.0
4	48		3	3/4	1	8 5/8	8 1/2	21 7/8	20 1/8																		16.0
5																											

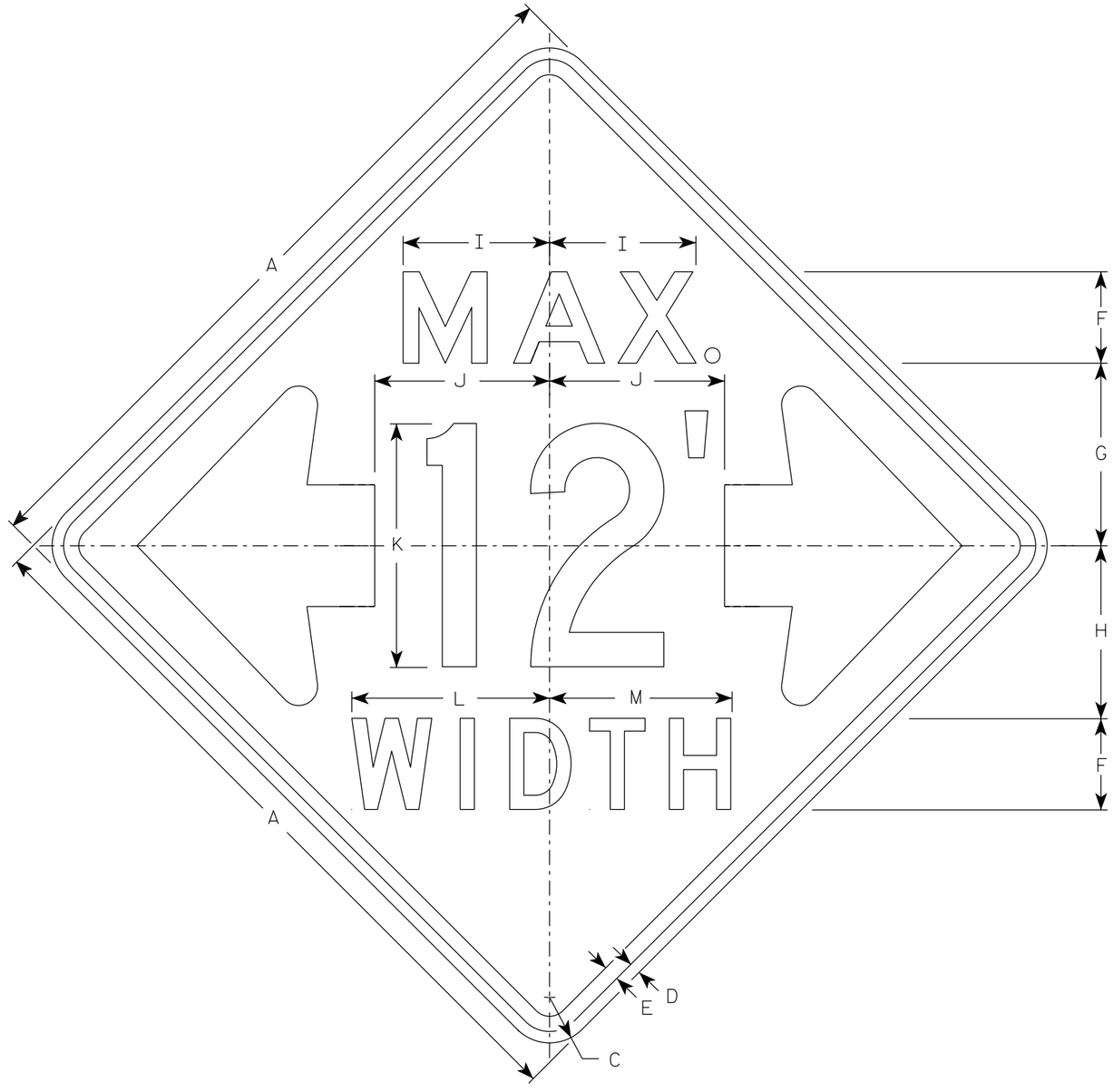
STANDARD SIGN
W11-14

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/27/24 PLATE NO. W11-14.2

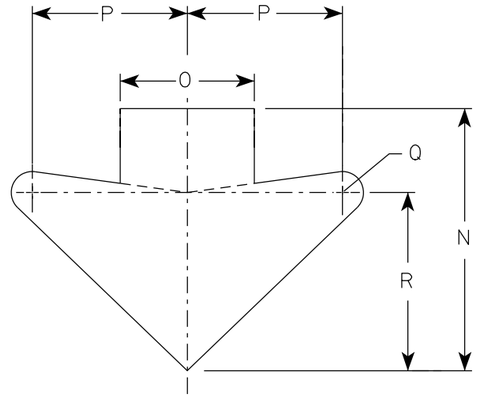
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 225 E



W12-52

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. The top line is series E, the numerals are series C, and the bottom line is series D.
5. Substitute appropriate numerals and adjust spacing as required.



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	48		3	¾	1	6	12	11 ⅜	9 ⅝	11 ½	16	13	12	15 ⅝	8	9 ¼	1 ¼	10 ⅝									16.0
2M	48		3	¾	1	6	12	11 ⅜	9 ⅝	11 ½	16	13	12	15 ⅝	8	9 ¼	1 ¼	10 ⅝									16.0
3																											
4																											
5																											

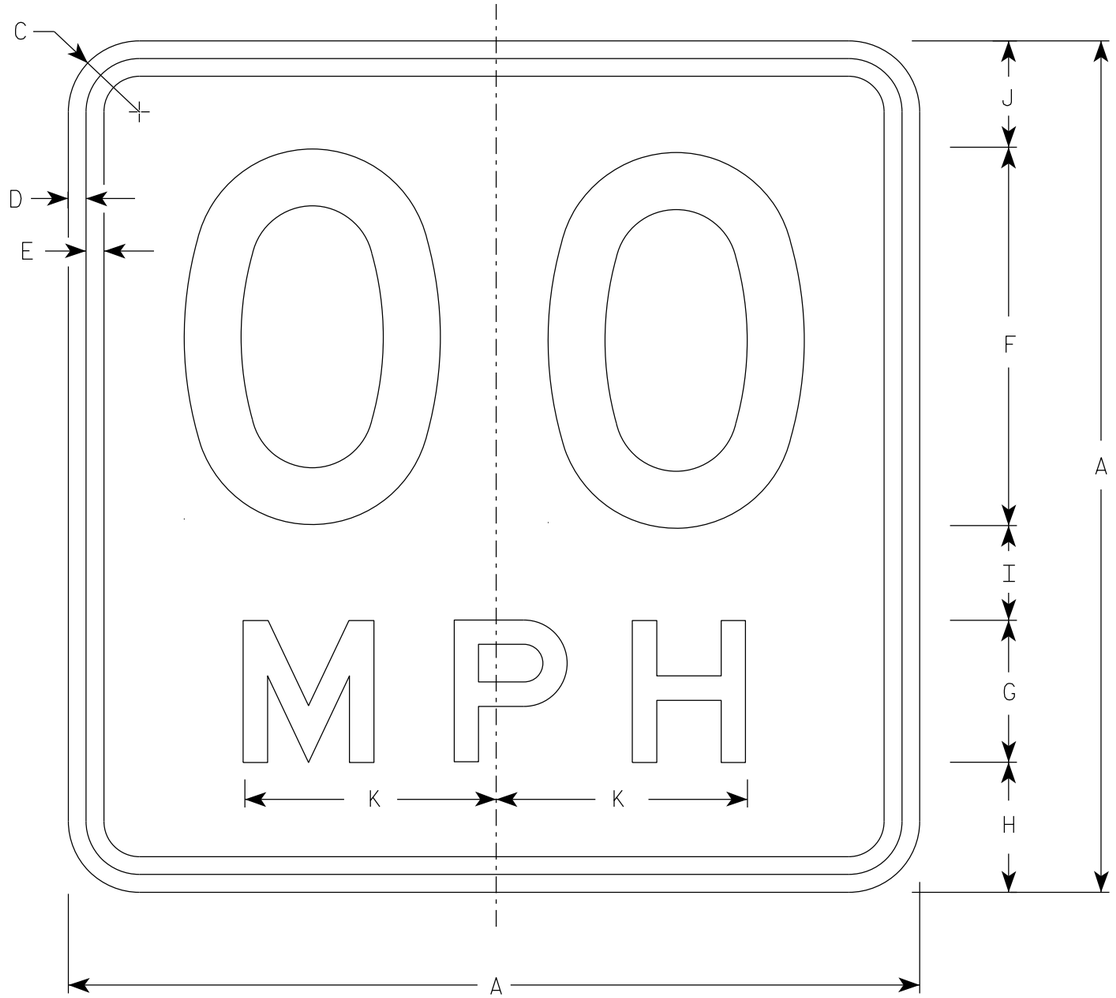
STANDARD SIGN
W12-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/10/2024 PLATE NO. W12-52.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 226 E



W13-1

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See Note 5
4. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
5. Line 1 is Series D
   Line 2 is Series E

* 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.

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 1/2	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
* 2S	18		1 1/2	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
* 2M	18		1 1/2	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
3	24		1 1/2	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
4	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
5	36		2 1/4	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

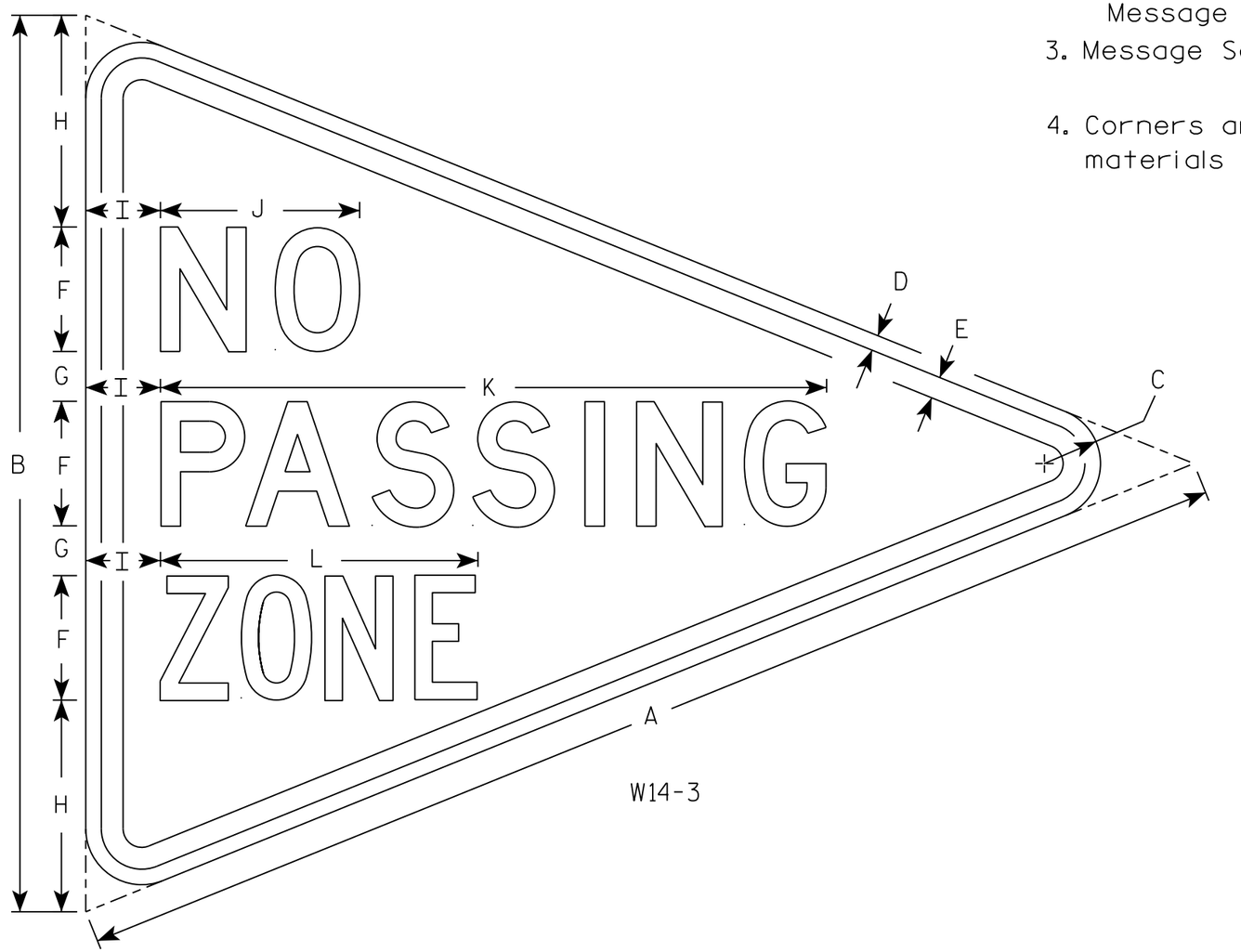
DATE 1/8/2024 PLATE NO. W13-1.17

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W131.dgn PLOT DATE : 8-Jan 2024 11:07 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - Lines 1 and 2 are Series D.
   Line 3 is series C.
4. Corners and borders shall be rounded on all base materials for this sign.



W14-3

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	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															5.56
2M																											
3																											
4																											
5																											

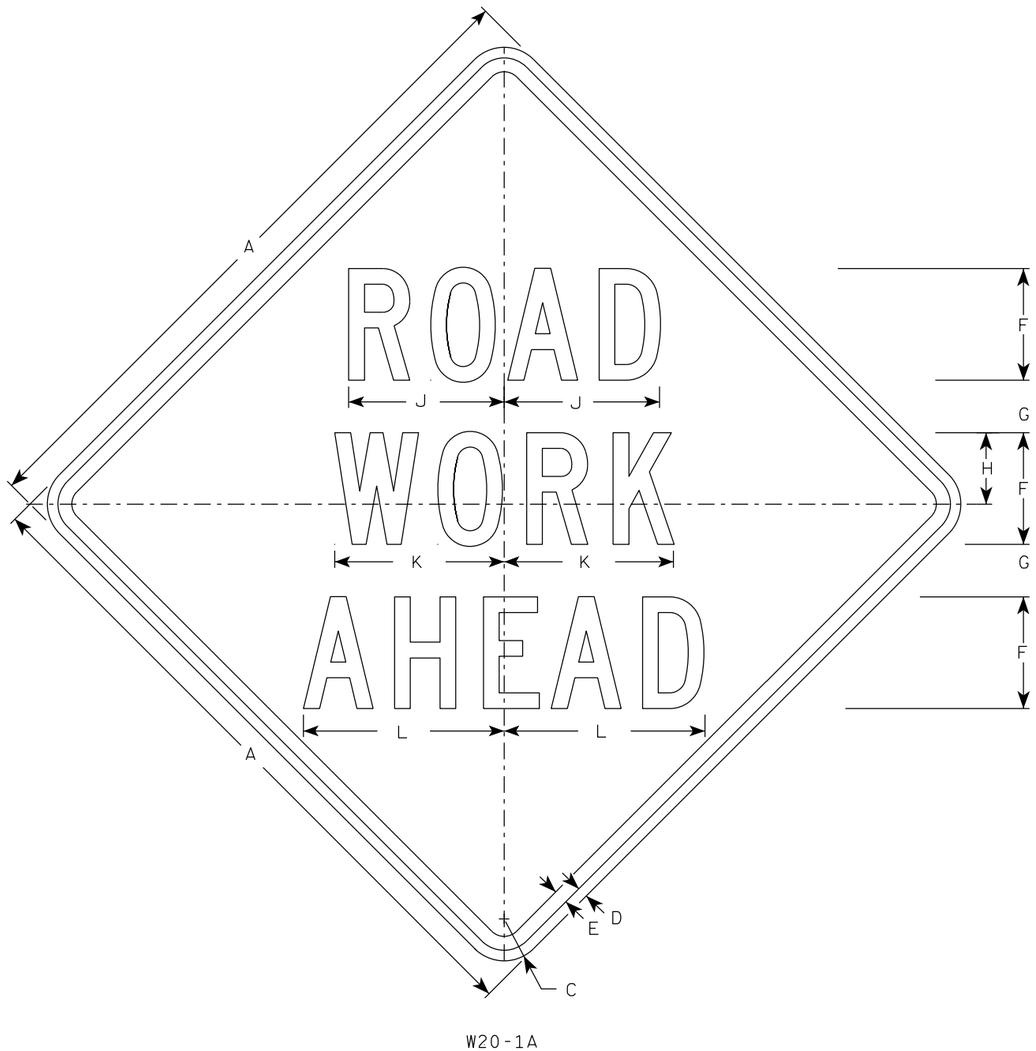
STANDARD SIGN
W14-3

WISCONSIN DEPT OF TRANSPORTATION

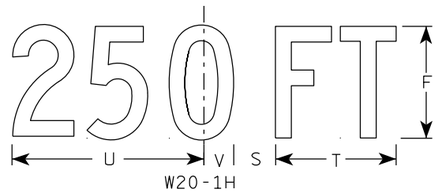
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/17 PLATE NO. W14-3.10

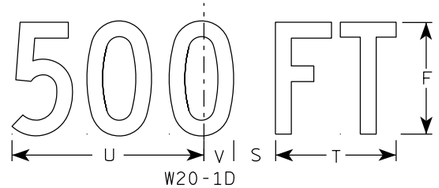
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 228 | E



W20-1A



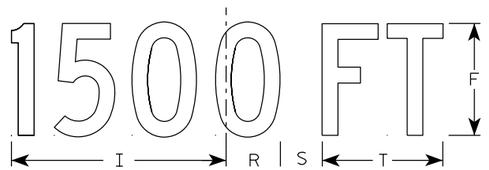
W20-1H



W20-1D



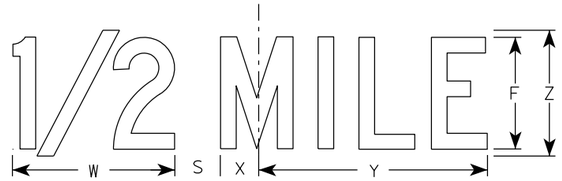
W20-1C



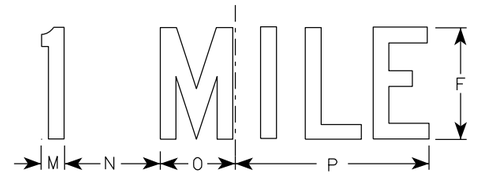
W20-1B

NOTES

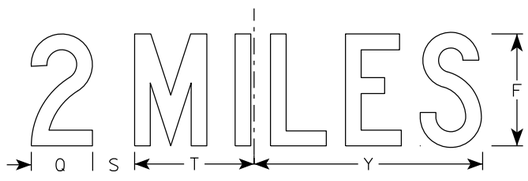
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1G



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		2 1/4	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		3	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		3	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		3	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		3	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		3	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

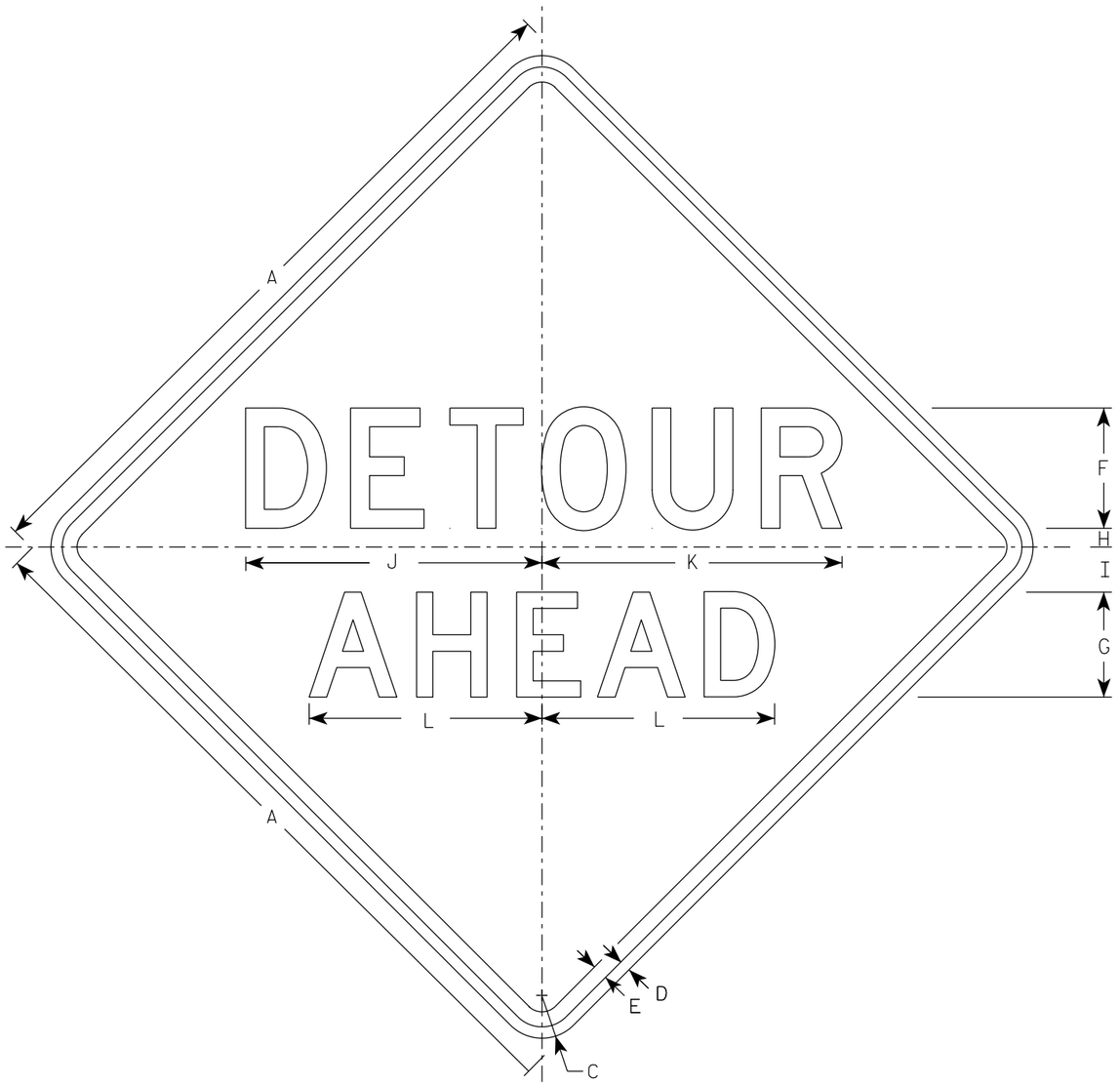
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

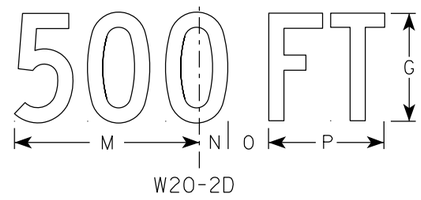
DATE 1/10/2024 PLATE NO. W20-1.12

PROJECT NO:

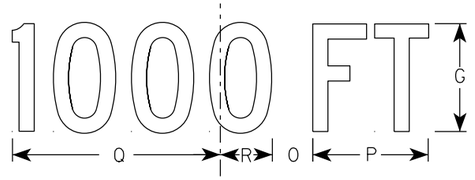
SHEET NO: 229 E



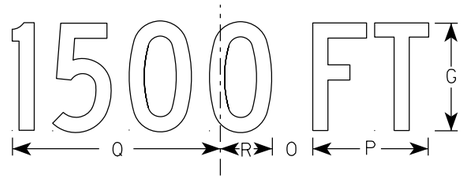
W20-2A



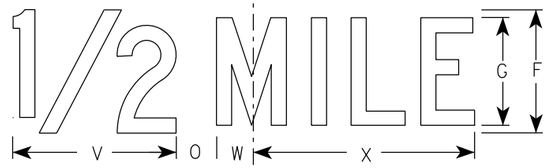
W20-2D



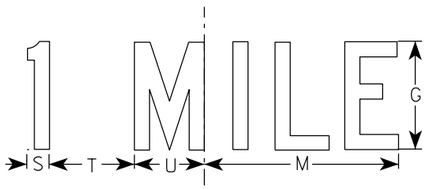
W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series 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		2 1/4	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		3	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		3	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		3	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		3	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		3	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

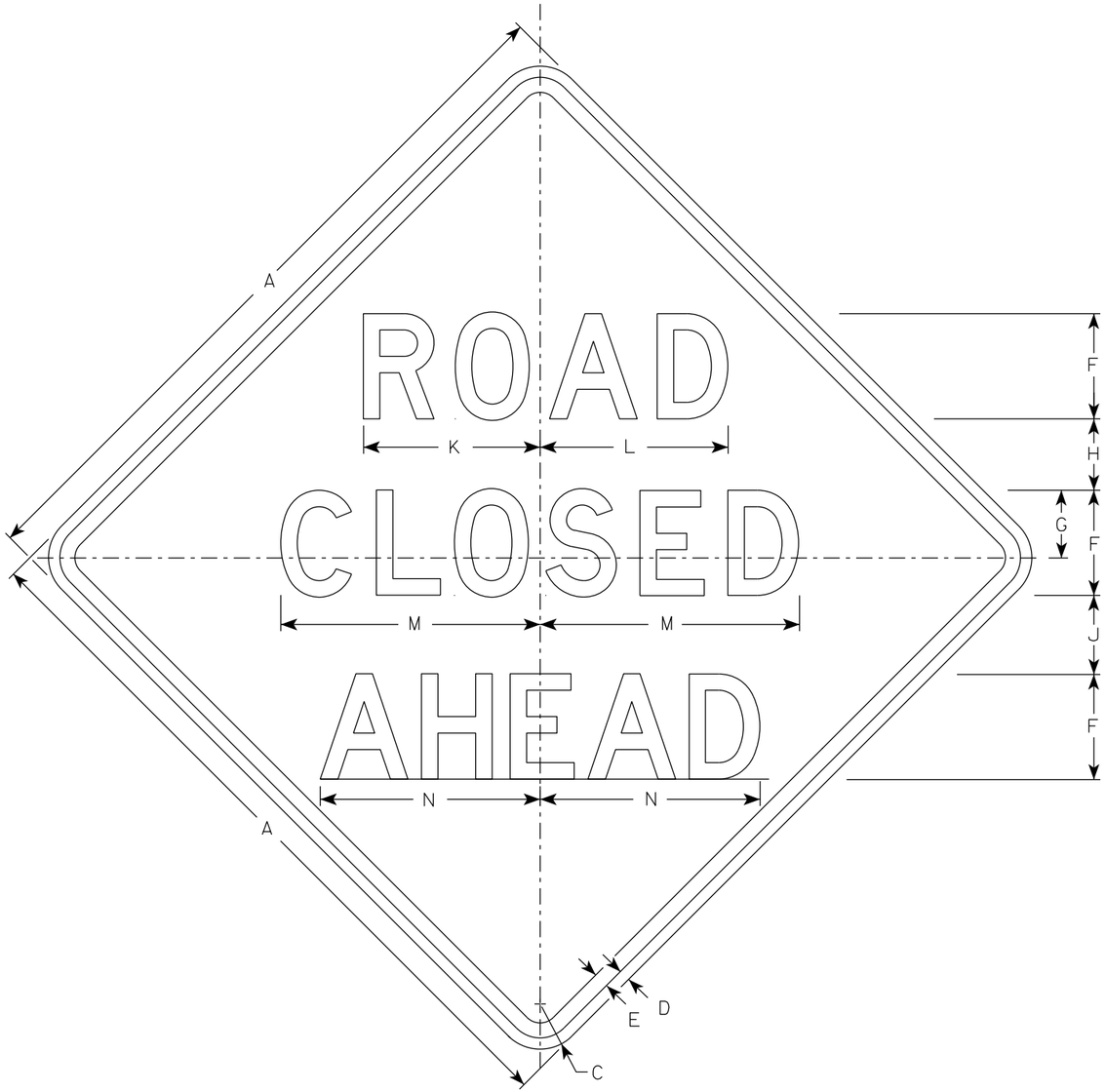
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

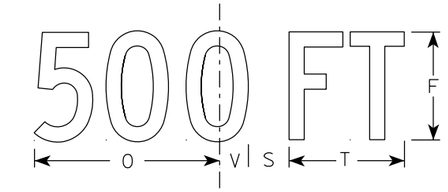
DATE 1/10/2024 PLATE NO. W20-2.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: E

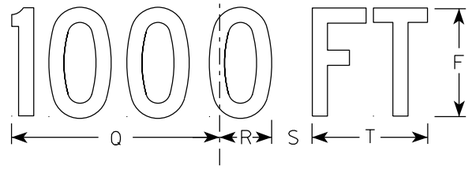
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W202.DGN PLOT DATE : 10-JAN 2024 11:36 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



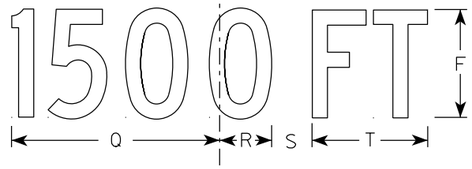
W20-3A



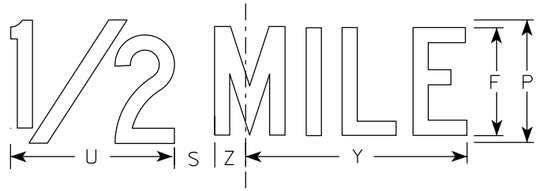
W20-3D



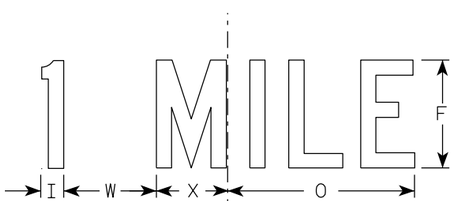
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective
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		2 1/4	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		3	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		3	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		3	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		3	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		3	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

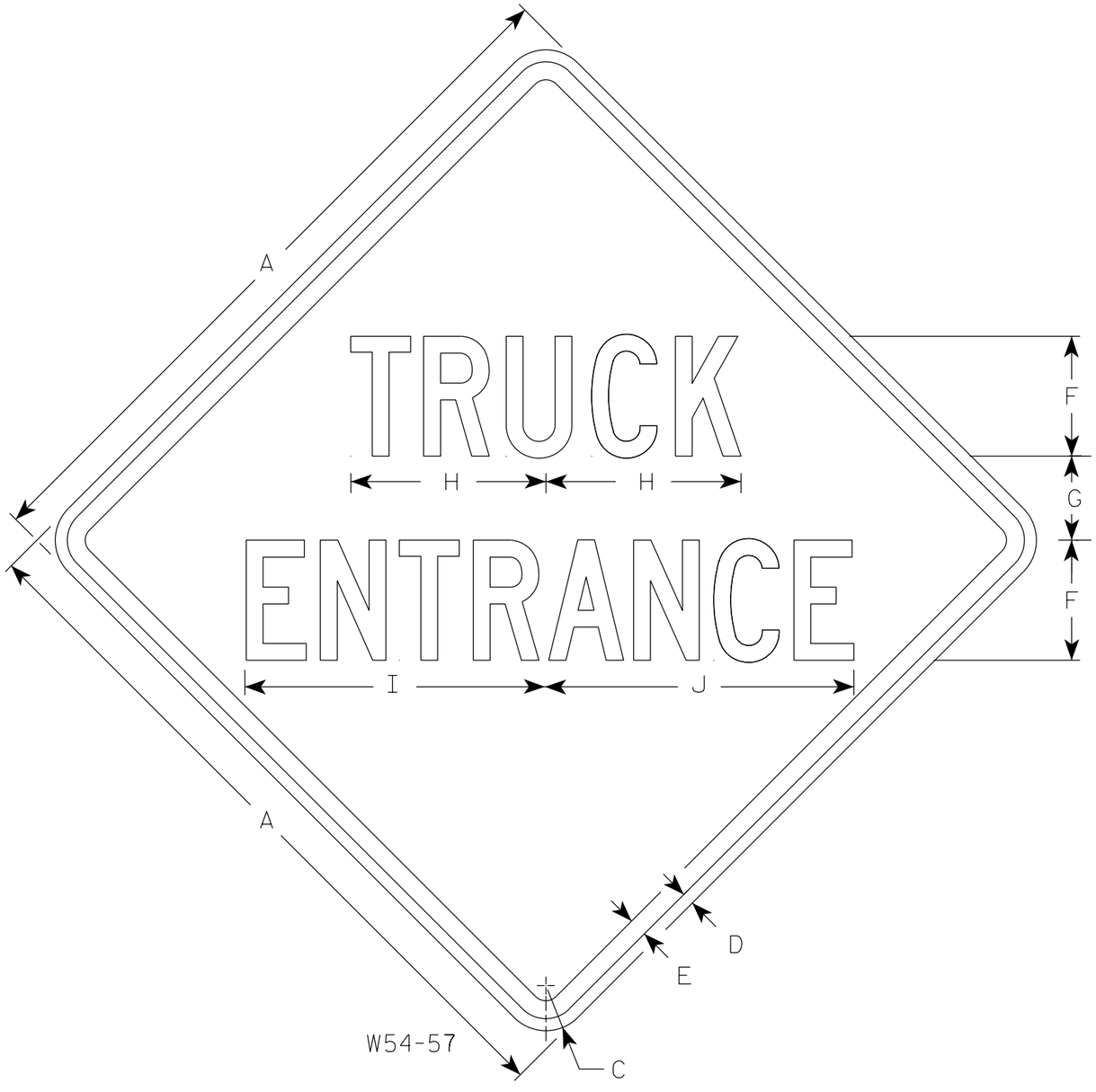
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-3.8

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W203.DGN PLOT DATE : 10-JAN 2024 12:02 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

7



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
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																											
2S	30		1 7/8	1/2	5/8	5	3 1/2	8 1/8	12 1/2	12 7/8																	6.25
2M	36		2 1/4	5/8	3/4	6	4 1/4	9 5/8	15	15 3/8																	9.00
3	36		2 1/4	5/8	3/4	6	4 1/4	9 5/8	15	15 3/8																	9.00
4	48		3	3/4	1	8	5 1/2	13	20	20 5/8																	16.00
5																											

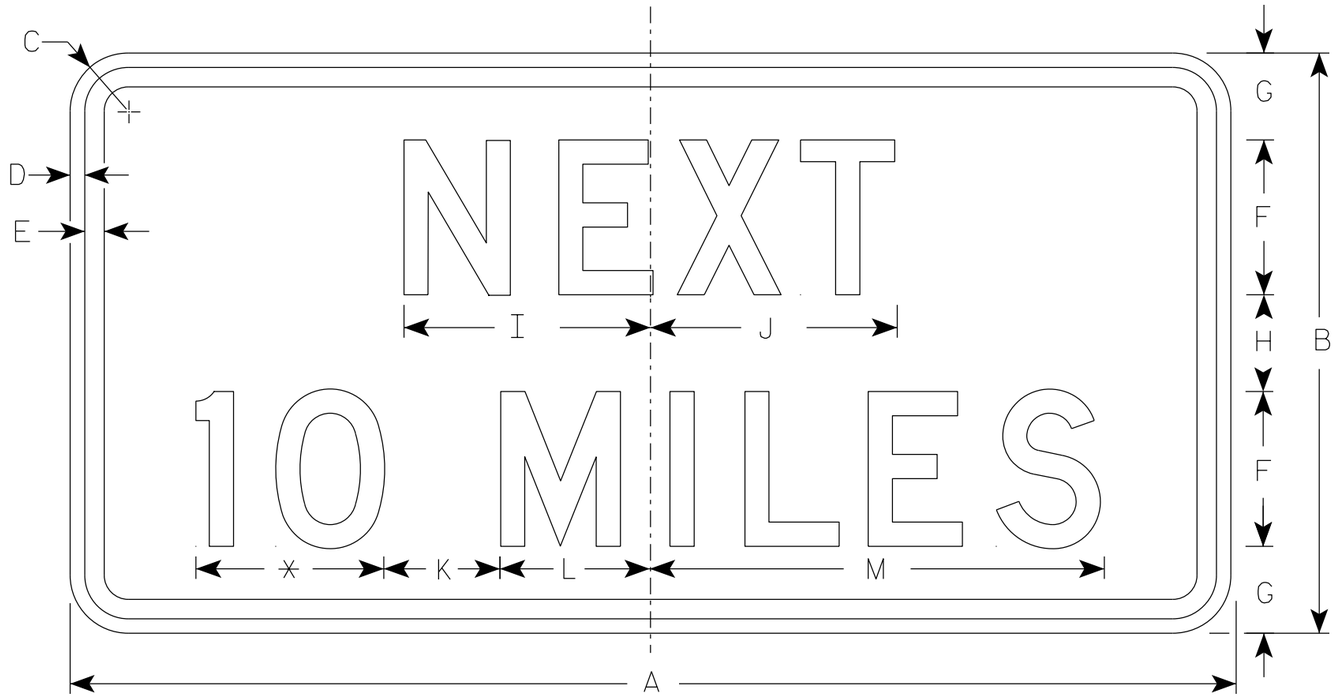
STANDARD SIGN
W54-57

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/23/2024 PLATE NO. W54-57.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W57-51

* See note 4

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - D
4. Round distance to nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	1 1/2	3/8	3/8	3	2 1/4	1 1/2	5	5 1/8	3	2 3/4	9 5/8														2.0
2S	30	15	1 1/2	3/8	1/2	4	2 1/2	2	6 3/8	6 3/8	3	3 7/8	11 3/4														3.13
2M	36	18	1 1/2	3/8	1/2	5	2 3/4	2 1/2	7 7/8	8	5	4 1/8	15 3/8														4.5
3	36	18	1 1/2	3/8	1/2	5	2 3/4	2 1/2	7 7/8	8	5	4 1/8	15 3/8														4.5
4	48	24	1 7/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
5	48	24	1 7/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0

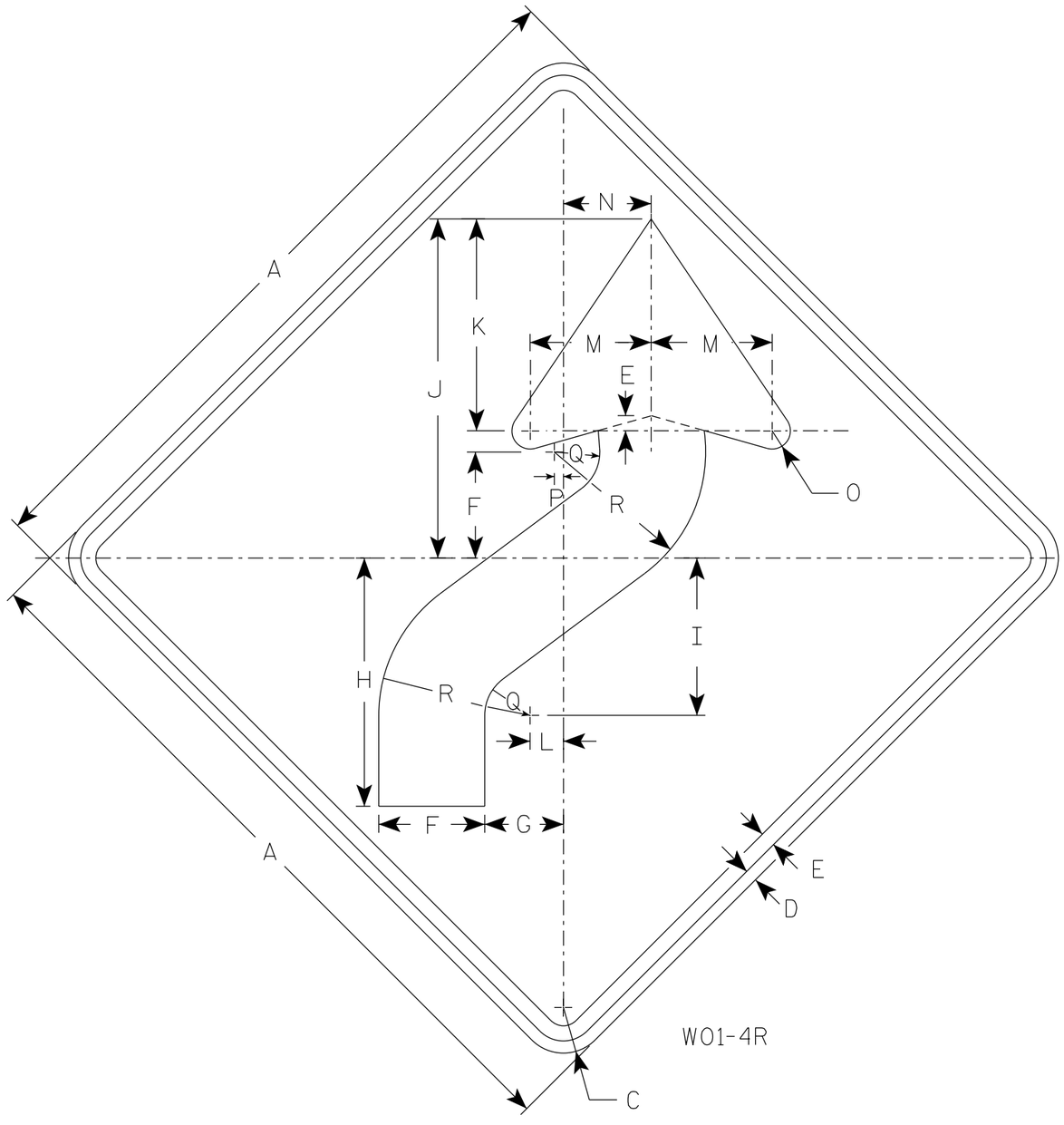
STANDARD SIGN
W57-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. W57-51.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 233 | E



WO1-4R

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. WO1-4L is the same as WO1-4R 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		2 1/4	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

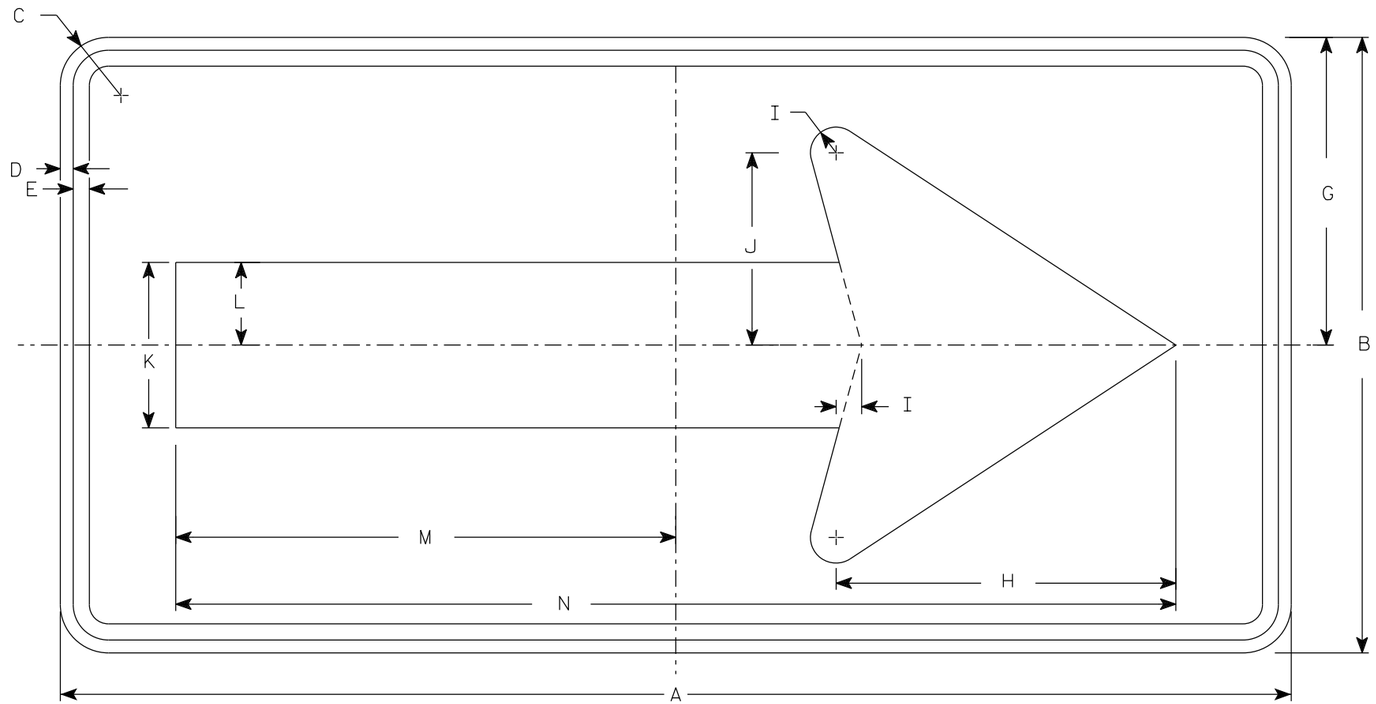
STANDARD SIGN
WO1-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/24/2024 PLATE NO. WO1-4.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 234 | E



WO1-6

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

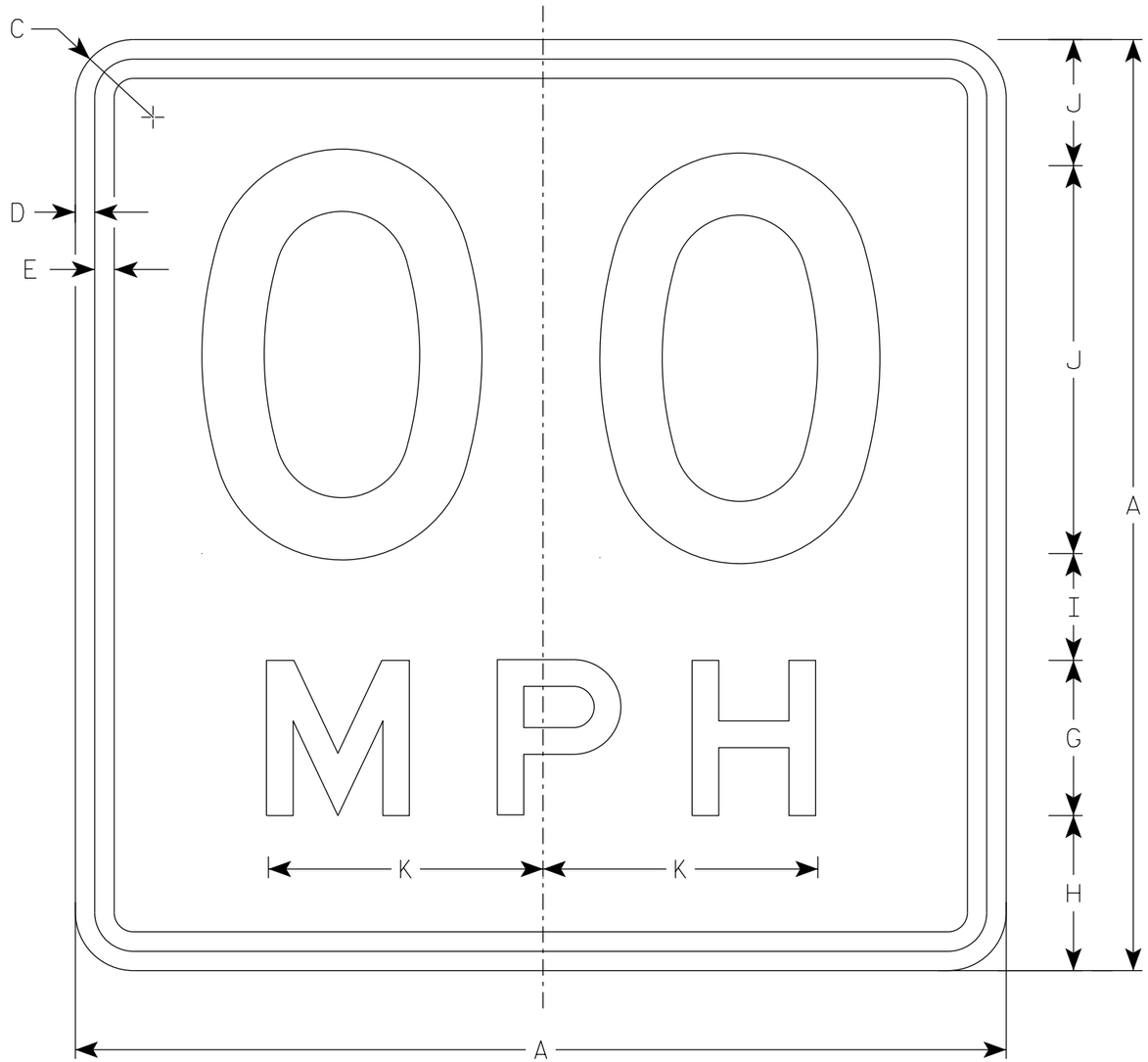
STANDARD SIGN
WO1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. WO1-6.2

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



W013-1

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   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	24		1 1/2	3/8	1/2	10	4	4	2 3/4	3 1/4	7 1/8																4.0
2S	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.0
2M	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.0
3	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.0
4	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.0
5	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.0

STANDARD SIGN

W013-1

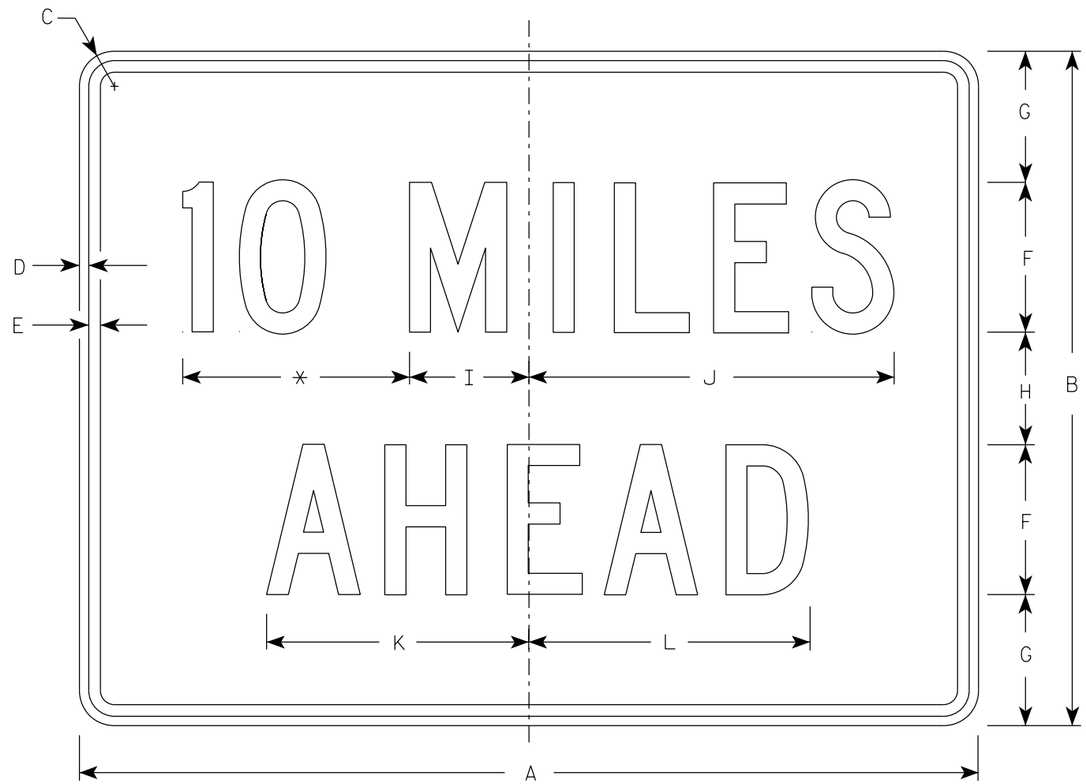
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

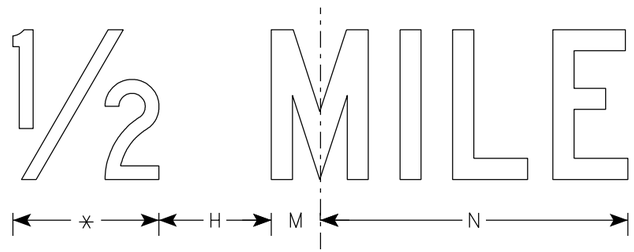
DATE 2/1/2024 PLATE NO. W013-1.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W0131.dgn PLOT DATE : 1-FEB 2024 9:56 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



W057-52



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to the nearest quarter mile and optically adjust spacing to achieve proper balance.

* See note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	24	1 1/2	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	12													6.0
2S	48	36	2 1/4	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
2M	48	36	2 1/4	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
3	48	36	2 1/4	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
4	48	36	2 1/4	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
5	48	36	2 1/4	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0

STANDARD SIGN
W057-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/2024 PLATE NO. W057-52.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 237 E

CONSTRUCTION STAGE 1 - STH 11 'WB'

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	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
258+48.761	25848.76	0.00	2.99	0.00	0.00	0	0	0	0	0	0
259+00	25900.00	51.24	5.60	0.00	0.00	8	0	0	8	0	8
259+50	25950.00	50.00	6.58	0.00	0.99	11	0	1	19	1	18
260+00	26000.00	50.00	5.01	0.00	18.84	11	0	18	30	24	6
260+50	26050.00	50.00	5.25	0.00	51.61	10	0	65	40	105	-65
261+00	26100.00	50.00	6.96	0.00	35.97	11	0	81	51	206	-155
261+50	26150.00	50.00	9.43	0.00	25.93	15	0	57	66	278	-212
262+00	26200.00	50.00	9.61	0.00	17.97	18	0	41	84	329	-245
262+50	26250.00	50.00	10.73	0.00	8.43	19	0	24	103	359	-256
263+00	26300.00	50.00	11.22	0.00	2.25	20	0	10	123	371	-248
263+50	26350.00	50.00	16.05	0.00	0.00	25	0	2	148	374	-226
264+00	26400.00	50.00	15.38	0.00	0.00	29	0	0	177	374	-197
264+50	26450.00	50.00	13.58	0.00	0.58	27	0	1	204	375	-171
265+00	26500.00	50.00	9.81	0.00	5.10	22	0	5	226	381	-155
265+50	26550.00	50.00	9.25	0.00	11.95	18	0	16	244	401	-157
266+00	26600.00	50.00	10.47	0.00	15.89	18	0	26	262	434	-172
266+50	26650.00	50.00	7.67	0.00	19.04	17	0	32	279	474	-195
267+00	26700.00	50.00	7.39	0.00	12.78	14	0	29	293	510	-217
267+50	26750.00	50.00	5.56	0.00	7.41	12	0	19	305	534	-229
267+98.807	26798.81	48.81	21.08	0.00	0.00	24	0	7	329	543	-214
269+00	26900.00	0.00	22.78	0.00	0.00	0	0	0	329	543	-214
269+50	26950.00	50.00	9.65	0.00	79.43	30	0	74	359	635	-276
270+00	27000.00	50.00	100.15	0.00	0.00	102	0	74	461	728	-267
270+50	27050.00	50.00	29.75	0.00	56.21	120	0	52	581	793	-212
270+87	27087.00	37.00	10.43	0.00	95.18	28	0	104	609	923	-314
271+00	27100.00	13.00	10.29	0.00	94.82	5	0	46	614	980	-366
271+50	27150.00	50.00	10.25	0.00	102.20	19	0	182	633	1,208	-575
272+00	27200.00	50.00	8.97	0.00	116.81	18	0	203	651	1,461	-810
272+50	27250.00	50.00	17.38	0.00	0.00	24	0	108	675	1,596	-921
273+00	27300.00	50.00	14.12	0.00	1.78	29	0	2	704	1,599	-895
273+50	27350.00	50.00	10.85	0.00	9.87	23	0	11	727	1,613	-886
274+00	27400.00	50.00	20.51	0.00	9.16	29	0	18	756	1,635	-879
274+30	27430.00	30.00	48.41	0.00	0.00	38	0	5	794	1,641	-847
274+50	27450.00	20.00	38.78	0.00	0.00	32	0	0	826	1,641	-815
275+00	27500.00	50.00	8.20	0.00	9.36	43	0	9	869	1,653	-784
275+50	27550.00	50.00	14.71	0.00	9.86	21	0	18	890	1,675	-785
276+00	27600.00	50.00	24.93	0.00	8.37	37	0	17	927	1,696	-769
276+50	27650.00	50.00	5.47	0.00	7.69	28	0	15	955	1,715	-760
277+00	27700.00	50.00	5.52	0.00	0.00	10	0	7	965	1,724	-759
277+49.136	27749.14	49.14	12.92	0.00	0.00	17	0	0	982	1,724	-742
				SUBTOTALS CATEGORY 0010		982	0	1,379			

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
8 - MASS ORDINATE	PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL. MINUS INDICATES A SHORTAGE OF MATERIAL: [(CUT - SALVAGED PAVT) - (FILL*FILL FACTOR)]

9

9

PROJECT NO: 1706-03-72 | HWY: STH 11 | COUNTY: LAFAYETTE | EARTHWORK DATA | SHEET 238 | E

CONSTRUCTION STAGE 2 - STH 11 'EB'

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	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
458+66.42	45866.42	0.00	9.87	0.00	0.00	0	0	0	0	0	0
459+00	45900.00	33.58	8.54	0.00	0.00	11	0	0	11	0	11
459+50	45950.00	50.00	12.61	0.00	0.00	20	0	0	31	0	31
460+00	46000.00	50.00	16.79	0.00	0.00	27	0	0	58	0	58
460+50	46050.00	50.00	18.74	0.00	0.10	33	0	0	91	0	91
461+00	46100.00	50.00	27.68	0.00	0.00	43	0	0	134	0	134
461+50	46150.00	50.00	37.67	0.00	0.00	61	0	0	195	0	195
462+00	46200.00	50.00	84.79	0.00	0.00	113	0	0	308	0	308
462+50	46250.00	50.00	116.86	0.00	0.00	187	0	0	495	0	495
463+00	46300.00	50.00	142.12	0.00	0.00	240	0	0	735	0	735
463+50	46350.00	50.00	148.89	0.00	0.00	269	0	0	1,004	0	1,004
464+00	46400.00	50.00	147.24	0.00	0.00	274	0	0	1,278	0	1,278
464+50	46450.00	50.00	164.70	0.00	0.00	289	0	0	1,567	0	1,567
465+00	46500.00	50.00	204.55	0.00	0.00	342	0	0	1,909	0	1,909
465+50	46550.00	50.00	174.43	0.00	0.01	351	0	0	2,260	0	2,260
466+00	46600.00	50.00	239.91	0.00	0.00	384	0	0	2,644	0	2,644
466+50	46650.00	50.00	272.71	0.00	0.00	475	0	0	3,119	0	3,119
467+00	46700.00	50.00	237.69	0.00	0.00	473	0	0	3,592	0	3,592
467+34.525	46734.52	34.52	16.07	0.00	0.00	162	0	0	3,754	0	3,754
469+50	46950.00	0.00	46.76	0.00	49.48	0	0	0	3,754	0	3,754
470+00	47000.00	50.00	52.72	0.00	39.84	92	0	83	3,846	104	3,742
470+50	47050.00	50.00	45.33	0.00	66.76	91	0	99	3,937	228	3,710
470+95.769	47095.77	45.77	71.18	0.00	77.73	99	0	122	4,036	380	3,656
471+48.542	47148.54	52.77	48.51	0.00	65.94	117	0	140	4,153	555	3,598
472+00	47200.00	51.46	69.92	0.00	47.82	113	0	108	4,266	690	3,576
472+50	47250.00	50.00	59.51	0.00	78.25	120	0	117	4,386	836	3,550
473+00	47300.00	50.00	52.75	0.00	34.43	104	0	104	4,490	966	3,524
473+50	47350.00	50.00	49.65	0.00	25.33	95	0	55	4,585	1,035	3,550
474+00	47400.00	50.00	3.92	0.00	25.75	50	0	47	4,635	1,094	3,541
474+50	47450.00	50.00	4.21	0.00	29.24	8	0	51	4,643	1,158	3,486
475+00	47500.00	50.00	4.84	0.00	24.41	8	0	50	4,651	1,220	3,431
475+50	47550.00	50.00	4.54	0.00	22.05	9	0	43	4,660	1,274	3,386
476+00	47600.00	50.00	4.63	0.00	16.08	8	0	35	4,668	1,318	3,351
476+50	47650.00	50.00	4.86	0.00	7.93	9	0	22	4,677	1,345	3,332
477+00	47700.00	50.00	4.89	0.00	0.00	9	0	7	4,686	1,354	3,332
477+42.836	47742.84	42.84	4.53	0.00	0.00	7	0	0	4,693	1,354	3,339
				SUBTOTALS CATEGORY 0010		4,693	0	1,083			

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
8 - MASS ORDINATE	PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL. MINUS INDICATES A SHORTAGE OF MATERIAL: [(CUT - SALVAGED PAVT) - (FILL*FILL FACTOR)]

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PROJECT NO: 1706-03-72 | HWY: STH 11 | COUNTY: LAFAYETTE | EARTHWORK DATA | SHEET 239 | E

CTH P 'NB'

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	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.25	NOTE 8
17+00	1700.00	0.00	10.06	0.00	0.00	0	0	0	0	0	0
17+50	1750.00	50.00	21.39	0.00	0.00	29	0	0	29	0	29
18+00.4	1800.40	50.40	113.08	0.00	0.00	126	0	0	155	0	155
18+50	1850.00	49.60	158.79	0.00	0.00	250	0	0	405	0	405
18+57.709	1857.71	7.71	155.92	0.00	0.00	45	0	0	450	0	450
19+00	1900.00	42.29	121.39	0.00	0.00	217	0	0	667	0	667
19+50	1950.00	50.00	155.58	0.00	0.00	256	0	0	923	0	923
20+00	2000.00	50.00	201.51	0.00	0.00	331	0	0	1,254	0	1,254
20+25	2025.00	25.00	132.26	0.00	0.00	155	0	0	1,409	0	1,409
20+50	2050.00	25.00	226.63	0.00	0.69	166	0	0	1,575	0	1,575
21+00	2100.00	50.00	292.87	0.00	0.00	481	0	1	2,056	1	2,055
21+31.551	2131.55	31.55	352.57	0.00	0.00	377	0	0	2,433	1	2,432
21+50	2150.00	18.45	317.37	0.00	0.00	229	0	0	2,662	1	2,661
21+93.032	2193.03	43.03	136.21	0.00	0.00	361	0	0	3,023	1	3,022
22+00	2200.00	6.97	137.03	0.00	0.00	35	0	0	3,058	1	3,057
22+50	2250.00	50.00	146.43	0.00	0.00	262	0	0	3,320	1	3,319
23+00	2300.00	50.00	158.28	0.00	0.00	282	0	0	3,602	1	3,601
23+50	2350.00	50.00	183.46	0.00	0.00	316	0	0	3,918	1	3,917
24+00	2400.00	50.00	214.26	0.00	0.00	368	0	0	4,286	1	4,285
24+50	2450.00	50.00	197.75	0.00	0.00	381	0	0	4,667	1	4,666
25+00	2500.00	50.00	143.04	0.00	3.39	316	0	3	4,983	5	4,978
25+50	2550.00	50.00	132.18	0.00	0.35	255	0	3	5,238	9	5,229
26+00	2600.00	50.00	98.91	0.00	8.45	214	0	8	5,452	19	5,433
26+50	2650.00	50.00	81.49	0.00	29.69	167	0	35	5,619	63	5,557
				SUBTOTALS CATEGORY 0010		5,619	0	50			

CTH P 'SB'

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	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.25	NOTE 8
21+93.032	2193.03	0.00	313.42	0.00	0.00	0	0	0	0	0	0
22+17.71	2217.71	24.68	236.02	0.00	0.00	251	0	0	251	0	251
22+50	2250.00	32.29	265.86	0.00	0.00	300	0	0	551	0	551
23+00	2300.00	50.00	203.98	0.00	0.00	435	0	0	986	0	986
23+50	2350.00	50.00	220.34	0.00	0.00	393	0	0	1,379	0	1,379
24+00	2400.00	50.00	269.55	0.00	0.00	454	0	0	1,833	0	1,833
24+50	2450.00	50.00	289.72	0.00	0.00	518	0	0	2,351	0	2,351
25+00	2500.00	50.00	343.96	0.00	0.00	587	0	0	2,938	0	2,938
25+50	2550.00	50.00	375.07	0.00	0.00	666	0	0	3,604	0	3,604
26+00	2600.00	50.00	401.54	0.00	0.00	719	0	0	4,323	0	4,323
26+50	2650.00	50.00	287.69	0.00	7.69	638	0	7	4,961	9	4,952
				SUBTOTALS CATEGORY 0010		4,961	0	7			

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
8 - MASS ORDINATE	PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL. MINUS INDICATES A SHORTAGE OF MATERIAL: [(CUT - SALVAGED PAVT) - (FILL*FILL FACTOR)]

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CONSTRUCTION STAGE 3 - STH 11 'WB'

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	EILL	CUT	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.25	NOTE 8
58+48.765	5848.77	0.00	8.51	0.00	0.00	0	0	0	0	0	0
59+00	5900.00	51.23	5.29	0.00	0.00	13	0	0	13	0	13
59+50	5950.00	50.00	12.77	0.00	0.00	17	0	0	30	0	30
60+00	6000.00	50.00	23.34	0.00	1.37	33	0	1	63	1	62
60+50	6050.00	50.00	39.97	0.00	0.68	59	0	2	122	4	118
61+00	6100.00	50.00	49.41	0.00	0.00	83	0	1	205	5	200
61+50	6150.00	50.00	39.43	0.00	1.63	82	0	2	287	8	280
62+00	6200.00	50.00	35.35	0.00	4.17	69	0	5	356	14	342
62+50	6250.00	50.00	83.27	0.00	0.00	110	0	4	466	19	447
63+00	6300.00	50.00	80.28	0.00	0.00	151	0	0	617	19	598
63+50	6350.00	50.00	76.50	0.00	0.00	145	0	0	762	19	743
64+00	6400.00	50.00	80.74	0.00	0.00	146	0	0	908	19	889
64+50	6450.00	50.00	84.11	0.00	0.00	153	0	0	1,061	19	1,042
65+00	6500.00	50.00	97.48	0.00	0.00	168	0	0	1,229	19	1,210
65+50	6550.00	50.00	125.89	0.00	0.00	207	0	0	1,436	19	1,417
66+00	6600.00	50.00	136.45	0.00	0.00	243	0	0	1,679	19	1,660
66+50	6650.00	50.00	141.37	0.00	0.00	257	0	0	1,936	19	1,917
67+00	6700.00	50.00	150.74	0.00	0.00	270	0	0	2,206	19	2,187
67+50	6750.00	50.00	290.09	0.00	32.45	408	0	30	2,614	56	2,558
69+50	6945.29	0.00	43.42	0.00	31.28	0	0	0	2,614	56	2,558
70+00	6995.29	50.00	50.88	0.00	20.49	87	0	48	2,701	116	2,585
70+50	7045.29	50.00	80.51	0.00	4.62	122	0	23	2,823	145	2,678
71+00	7095.29	50.00	74.37	0.00	3.30	143	0	7	2,966	154	2,812
71+50	7145.29	50.00	82.15	0.00	0.71	145	0	4	3,111	159	2,952
72+00	7195.29	50.00	70.43	0.00	0.00	141	0	1	3,252	160	3,092
72+50	7245.29	50.00	74.40	0.00	0.00	134	0	0	3,386	160	3,226
72+62.658	7257.95	12.66	76.66	0.00	0.00	35	0	0	3,421	160	3,261
73+00	7295.29	37.34	80.53	0.00	0.17	109	0	0	3,530	160	3,370
73+50	7345.29	50.00	82.23	0.00	0.71	151	0	1	3,681	161	3,520
74+00	7395.29	50.00	28.88	0.00	3.24	103	0	4	3,784	166	3,618
74+34.996	7430.29	35.00	29.30	0.00	3.26	38	0	4	3,822	171	3,651
74+50	7445.29	15.00	29.37	0.00	3.26	16	0	2	3,838	174	3,664
75+00	7495.29	50.00	28.62	0.00	0.01	54	0	3	3,892	178	3,715
75+50	7545.29	50.00	24.86	0.00	3.46	50	0	3	3,942	181	3,761
76+00	7595.29	50.00	21.16	0.00	6.98	43	0	10	3,985	194	3,791
76+50	7645.29	50.00	16.33	0.00	2.83	35	0	9	4,020	205	3,815
77+00	7695.29	50.00	11.91	0.00	4.26	26	0	7	4,046	214	3,832
77+50	7745.29	50.00	5.70	0.00	0.00	16	0	4	4,062	219	3,843
77+58.994	7754.28	8.99	7.05	0.00	0.00	2	0	0	4,064	219	3,845
			SUBTOTALS CATEGORY 0010			4,064	0	175			

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
8 - MASS ORDINATE	PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL. MINUS INDICATES A SHORTAGE OF MATERIAL: [(CUT - SALVAGED PAVT) - (FILL*FILL FACTOR)]

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PROJECT NO: 1706-03-72 | HWY: STH 11 | COUNTY: LAFAYETTE | EARTHWORK DATA | SHEET 241 | E

STH 23 'NB'

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
28+50	2850.00	0.00	51.48	0.00	205.12	0	0	0	0	0	0
29+00	2900.00	50.00	97.52	0.00	0.00	138	0	190	138	238	-100
29+12.829	2912.83	12.83	107.20	0.00	0.00	49	0	0	187	238	-51
29+50	2950.00	37.17	121.60	0.00	0.57	157	0	0	344	238	107
30+00	3000.00	50.00	124.87	0.00	3.49	228	0	4	572	243	330
30+50	3050.00	50.00	84.14	0.00	5.47	194	0	8	766	253	514
31+00	3100.00	50.00	98.19	0.00	2.63	169	0	7	935	261	674
31+41.996	3142.00	42.00	99.06	0.00	0.00	153	0	2	1,088	264	824
31+50	3150.00	8.00	97.13	0.00	0.00	29	0	0	1,117	264	853
32+00	3200.00	50.00	74.60	0.00	15.00	159	0	14	1,276	281	995
32+50	3250.00	50.00	61.99	0.00	1.36	126	0	15	1,402	300	1,102
33+00	3300.00	50.00	57.46	0.00	0.67	111	0	2	1,513	303	1,211
33+50	3350.00	50.00	53.90	0.00	0.00	103	0	1	1,616	304	1,312
33+56.682	3356.68	6.68	0.00	0.00	0.00	7	0	0	1,623	304	1,319
				SUBTOTALS CATEGORY 0010		1,623	0	243			

STH 23 'SB'

STATION	REAL STATION	DISTANCE	AREA (SE)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	EILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED EILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
28+50	2856.78	0.00	236.41	0.00	95.61	0	0	0	0	0	0
29+00	2906.78	50.00	97.18	0.00	42.48	309	0	128	309	160	149
29+50	2956.78	50.00	59.76	0.00	19.51	145	0	57	454	231	223
29+93.912	3000.69	43.91	85.67	0.00	0.00	118	0	16	572	251	321
30+00	3006.78	6.09	80.05	0.00	0.00	19	0	0	591	251	340
30+50	3056.78	50.00	53.25	0.00	6.71	123	0	6	714	259	455
31+00.49	3107.27	50.49	52.54	0.00	1.41	99	0	8	813	269	544
31+50	3156.78	49.51	80.10	0.00	1.17	122	0	2	935	271	664
32+00	3206.78	50.00	110.93	0.00	0.05	177	0	1	1,112	273	840
32+50	3256.78	50.00	106.53	0.00	0.17	201	0	0	1,313	273	1,041
33+00	3306.78	50.00	121.81	0.00	0.02	211	0	0	1,524	273	1,252
33+50	3356.78	50.00	60.91	0.00	6.57	169	0	6	1,693	280	1,413
33+56.68	3363.46	6.68	61.03	0.00	8.06	15	0	2	1,708	283	1,426
				SUBTOTALS CATEGORY 0010		1,708	0	226			

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
8 - MASS ORDINATE	PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL. MINUS INDICATES A SHORTAGE OF MATERIAL: [(CUT - SALVAGED PAVT) - (FILL*FILL FACTOR)]

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CONSTRUCTION STAGE 4 - STH 11 'EB'

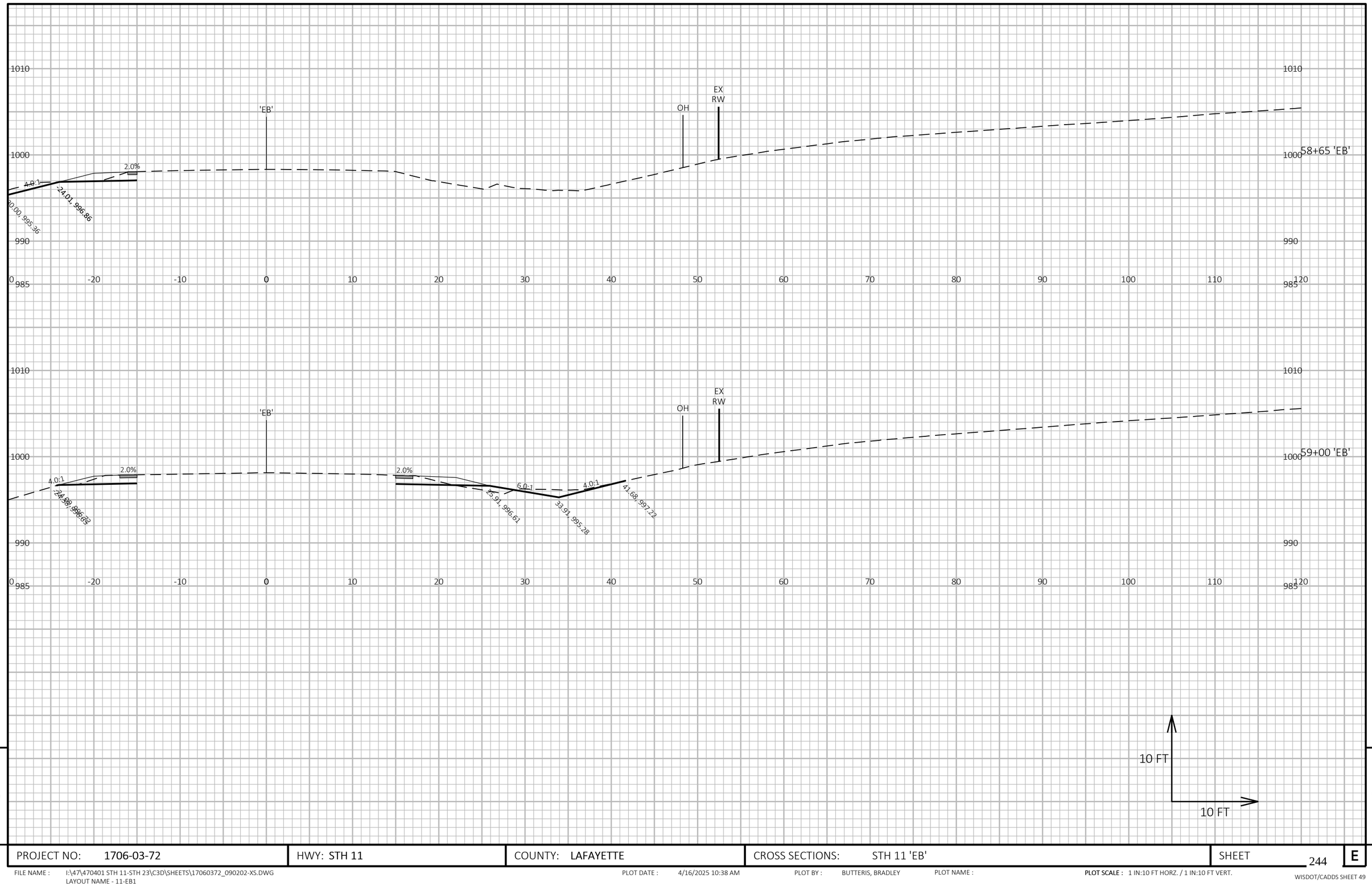
STATION	REAL STATION	DISTANCE	AREA (SE)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.25	NOTE 8
58+64.83	5864.83	0.00	0.00	0.00	0.00	0	0	0	0	0	0
59+00	5900.00	35.17	4.51	0.00	2.71	3	0	2	3	3	1
59+50	5950.00	50.00	8.95	0.00	0.00	12	0	3	15	6	9
60+00	6000.00	50.00	10.89	0.00	0.21	18	0	0	33	6	27
60+50	6050.00	50.00	13.52	0.00	3.43	23	0	3	56	10	46
61+00	6100.00	50.00	15.17	0.00	6.08	27	0	9	83	21	62
61+50	6150.00	50.00	15.26	0.00	6.26	28	0	11	111	35	76
62+00	6200.00	50.00	16.58	0.00	2.05	29	0	8	140	45	95
62+15	6215.00	15.00	46.04	0.00	0.00	17	0	1	157	46	111
62+50	6250.00	35.00	1.07	0.00	8.01	31	0	5	188	53	136
62+96.149	6296.15	46.15	8.40	0.00	28.45	8	0	31	196	91	105
63+00	6300.00	3.85	8.29	0.00	28.44	1	0	4	197	96	101
63+50	6350.00	50.00	0.83	0.00	61.52	8	0	83	205	200	5
64+00	6400.00	50.00	0.30	0.00	63.27	1	0	116	206	345	-139
64+50	6450.00	50.00	0.49	0.00	45.01	1	0	100	207	470	-263
65+00	6500.00	50.00	0.01	0.00	43.91	0	0	82	207	573	-366
65+50	6550.00	50.00	0.41	0.00	45.62	0	0	83	207	676	-469
66+00	6600.00	50.00	2.39	0.00	75.93	3	0	113	210	818	-608
66+50	6650.00	50.00	0.00	0.00	123.81	2	0	185	212	1,049	-837
67+00	6700.00	50.00	1.33	0.00	128.91	1	0	234	213	1,341	-1,128
69+50	6950.00	0.00	0.00	0.00	16.43	0	0	0	213	1,341	-1,128
70+00	7000.00	50.00	0.09	0.00	14.52	0	0	29	213	1,378	-1,165
70+50	7050.00	50.00	8.42	0.00	0.00	8	0	13	221	1,394	-1,173
71+01.3	7101.30	51.30	15.87	0.00	0.00	23	0	0	244	1,394	-1,150
71+50	7150.00	48.70	11.90	0.00	0.83	25	0	1	269	1,395	-1,126
72+00	7200.00	50.00	10.90	0.00	0.00	21	0	1	290	1,396	-1,106
72+50	7250.00	50.00	21.43	0.00	0.26	30	0	0	320	1,396	-1,076
73+00	7300.00	50.00	31.08	0.00	0.50	49	0	1	369	1,398	-1,029
73+50	7350.00	50.00	40.07	0.00	0.00	66	0	0	435	1,398	-963
74+00	7400.00	50.00	42.40	0.00	0.00	76	0	0	511	1,398	-887
74+50	7450.00	50.00	40.76	0.00	0.00	77	0	0	588	1,398	-810
75+00	7500.00	50.00	37.16	0.00	0.00	72	0	0	660	1,398	-738
75+50	7550.00	50.00	32.23	0.00	0.00	64	0	0	724	1,398	-674
76+00	7600.00	50.00	21.84	0.00	0.00	50	0	0	774	1,398	-624
76+50	7650.00	50.00	5.08	0.00	0.00	25	0	0	799	1,398	-599
77+00	7700.00	50.00	0.04	0.00	7.87	5	0	7	804	1,406	-602
77+50	7750.00	50.00	0.00	0.00	0.00	0	0	7	804	1,415	-611
				SUBTOTALS CATEGORY 0010		804	0	1,132			

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
8 - MASS ORDINATE	PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL. MINUS INDICATES A SHORTAGE OF MATERIAL: [(CUT - SALVAGED PAVT) - (FILL*FILL FACTOR)]

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PROJECT NO: 1706-03-72 | HWY: STH 11 | COUNTY: LAFAYETTE | EARTHWORK DATA | SHEET 243 | E



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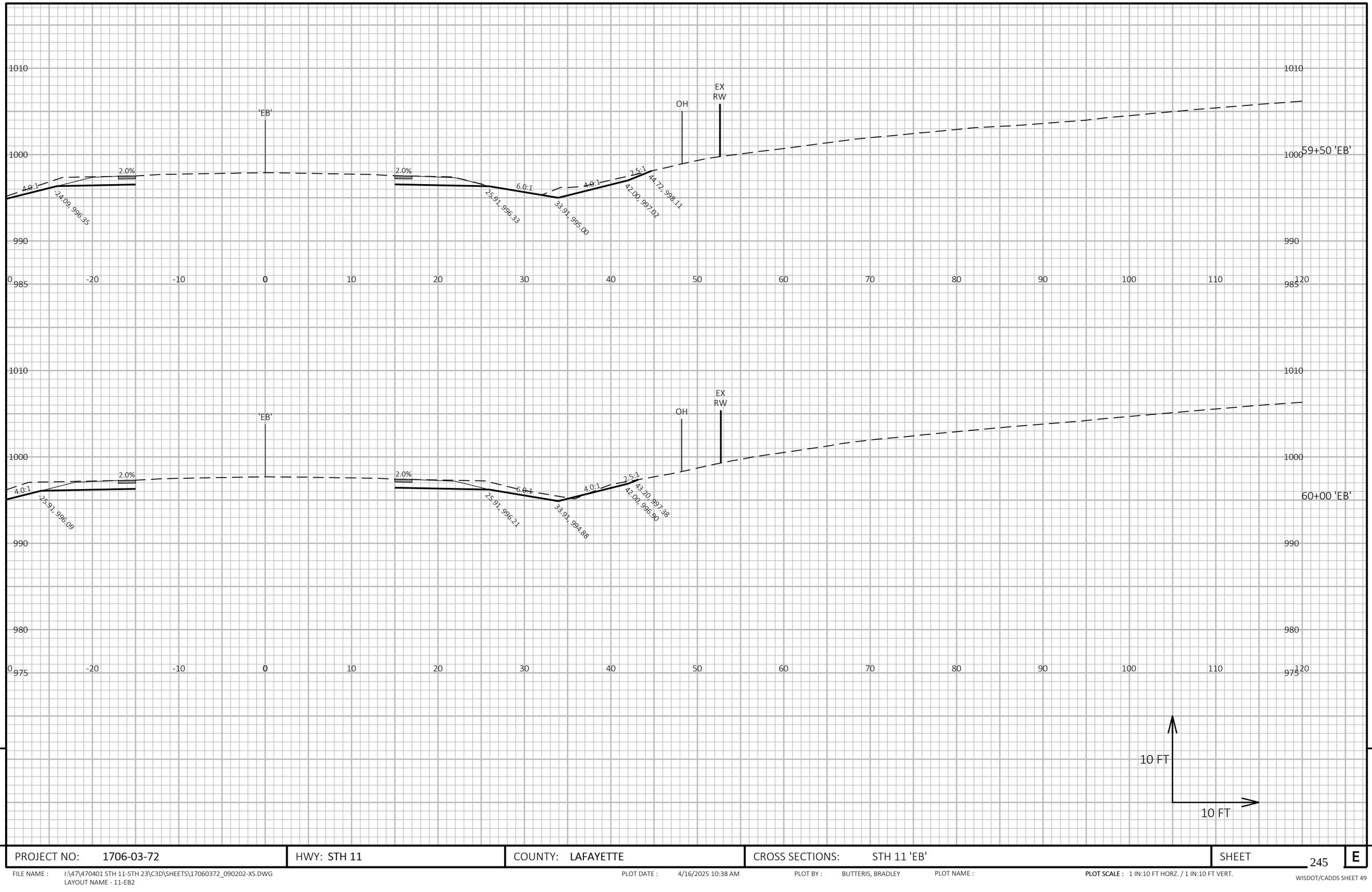
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'EB'	SHEET 244	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-EB1

PLOT DATE : 4/16/2025 10:38 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

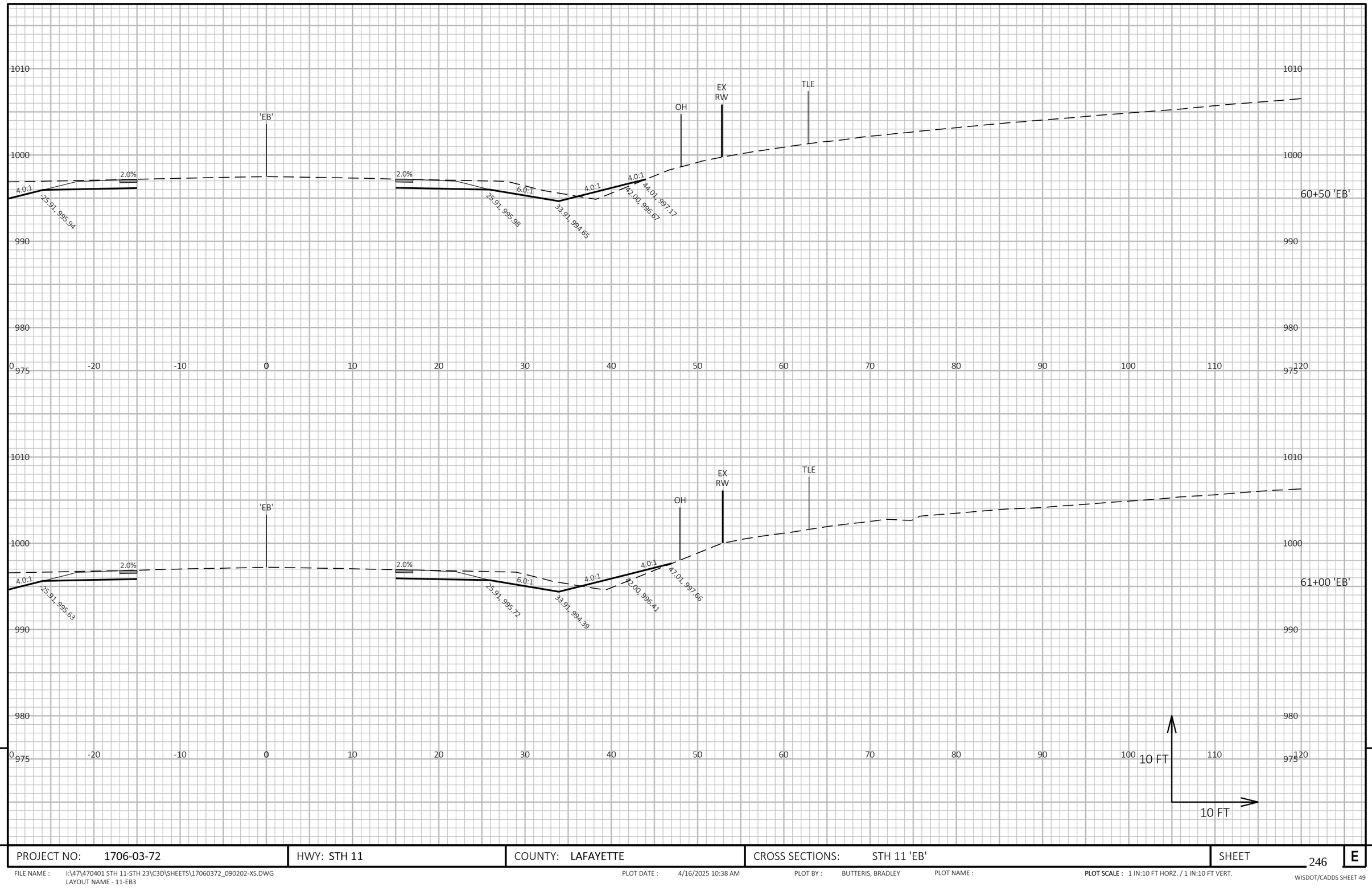
WISDOT/CADDS SHEET 49



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PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'EB'	SHEET 245	E

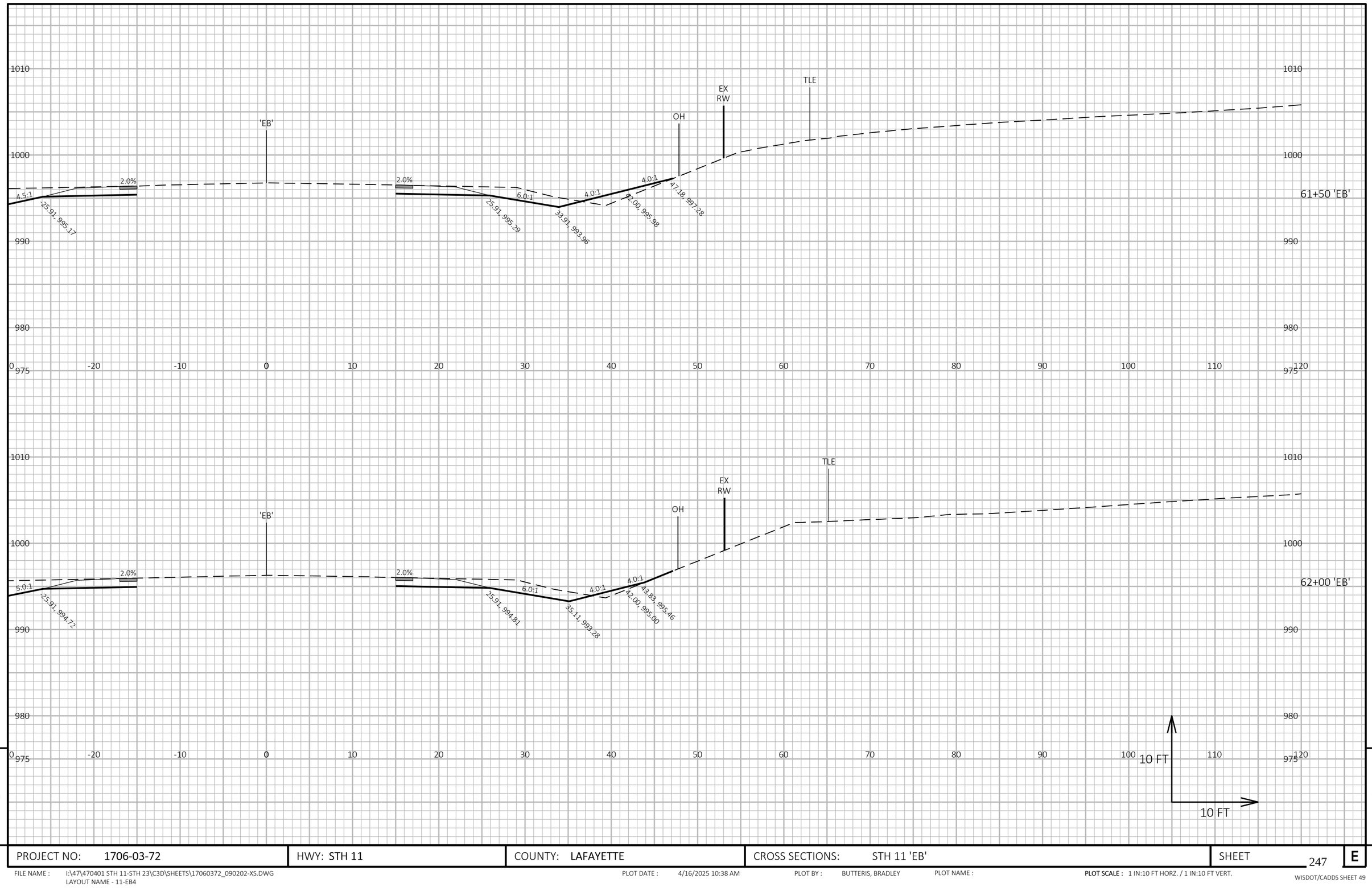


PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'EB'	SHEET 246 E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-EB3

PLOT DATE : 4/16/2025 10:38 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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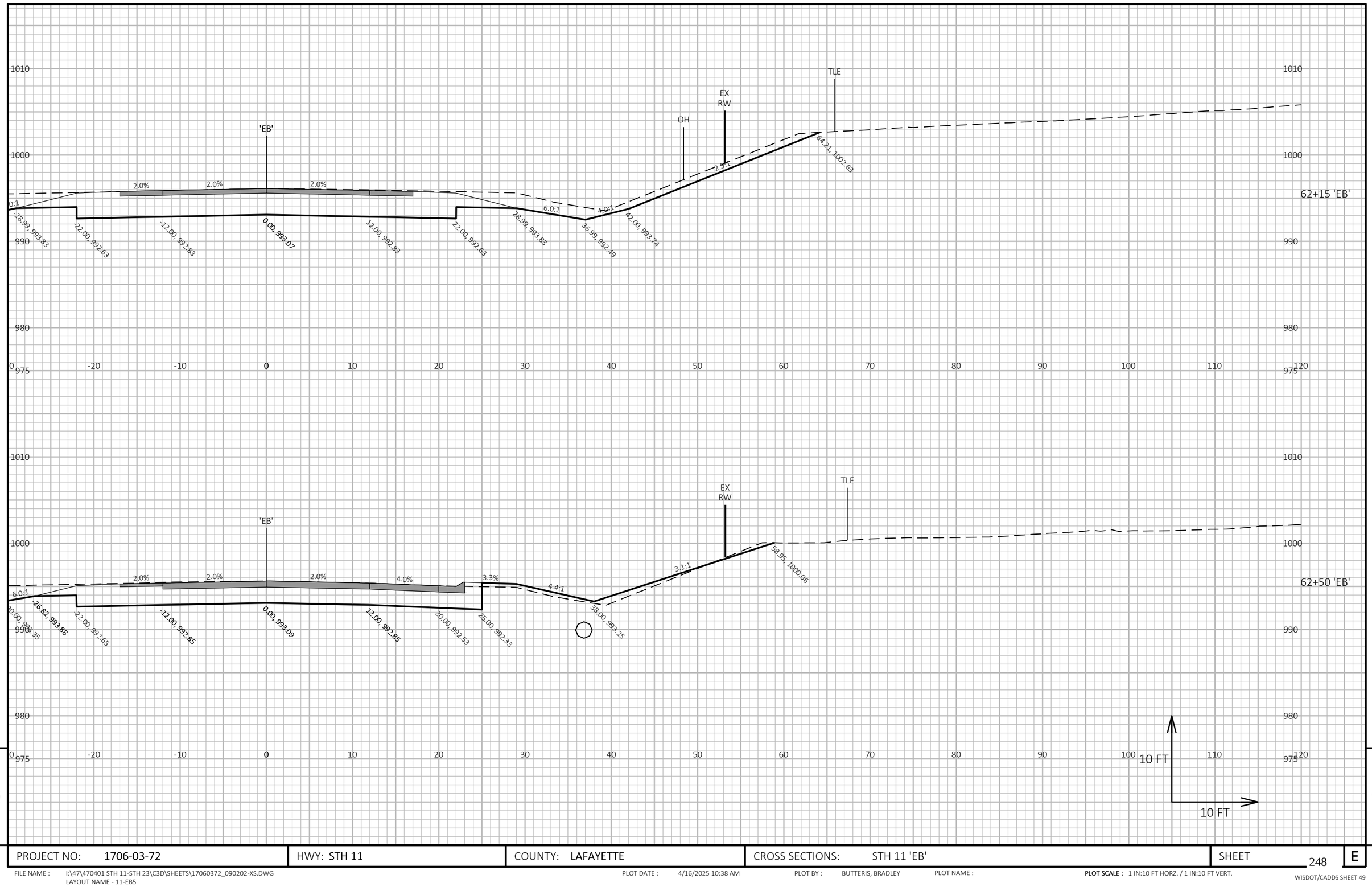
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'EB'	SHEET 247	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-EB4

PLOT DATE : 4/16/2025 10:38 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49



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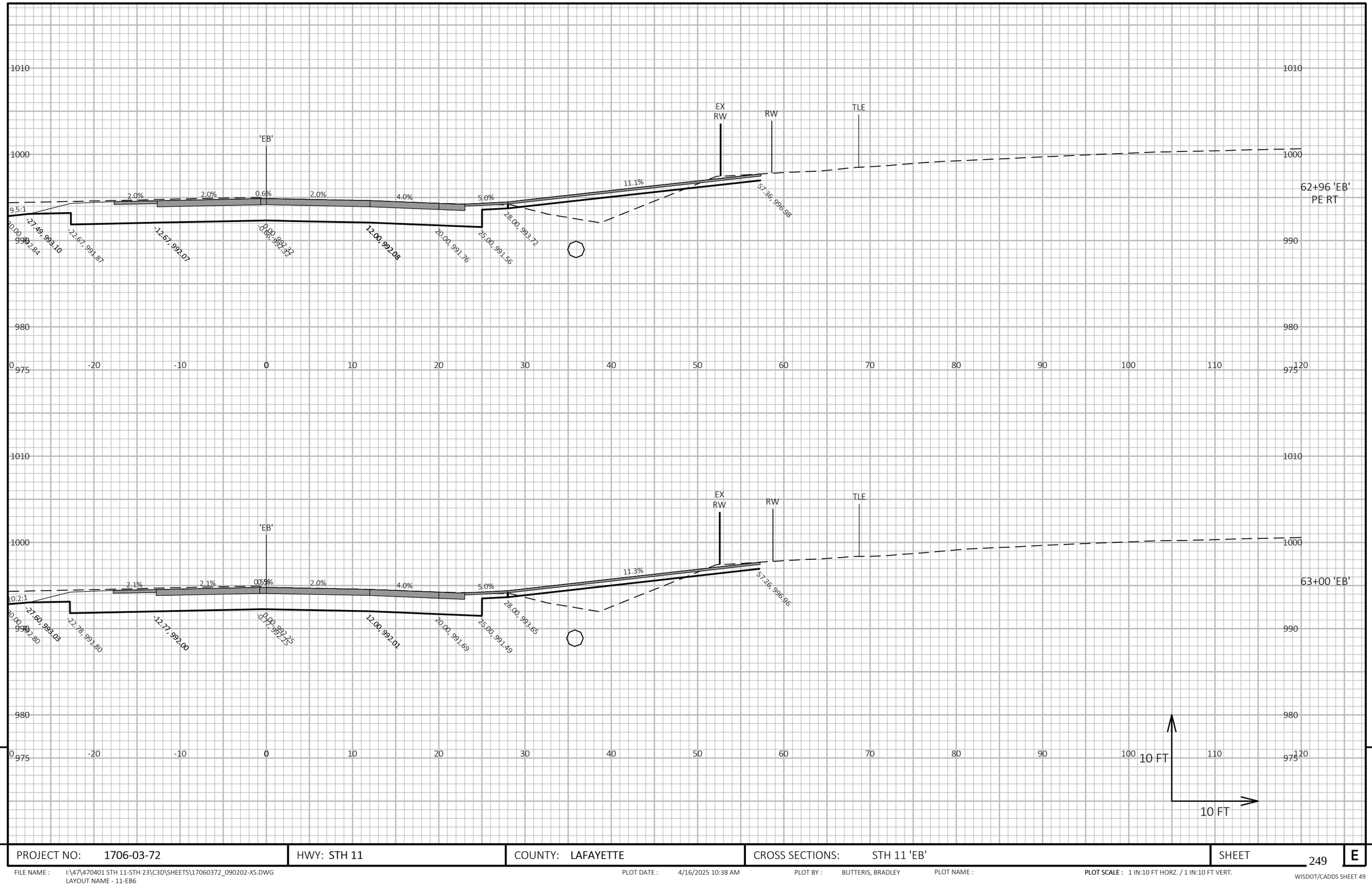
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PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'EB'	SHEET 248	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-EB5

PLOT DATE : 4/16/2025 10:38 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

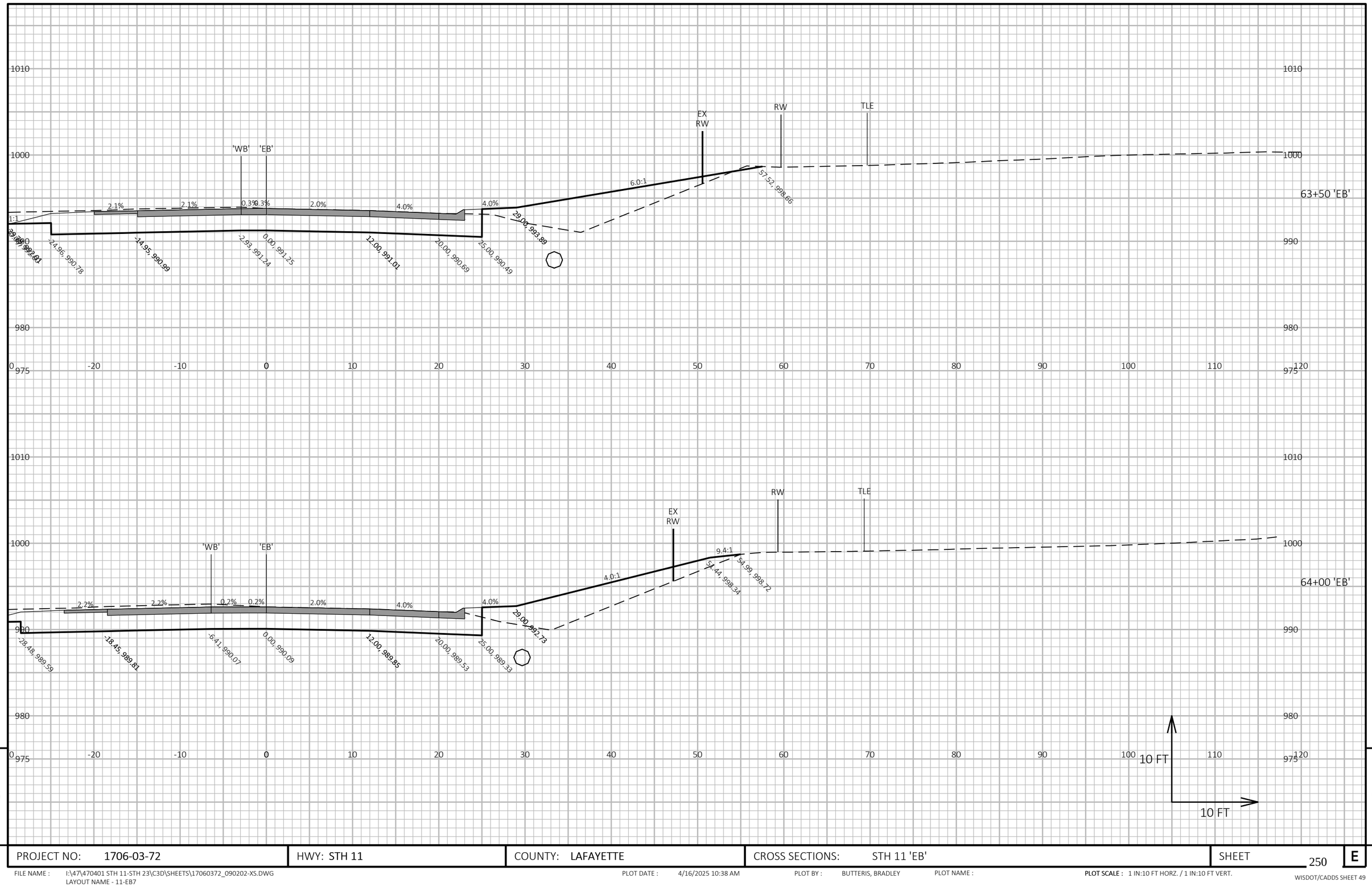


PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'EB'	SHEET 249	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-EB6

PLOT DATE : 4/16/2025 10:38 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

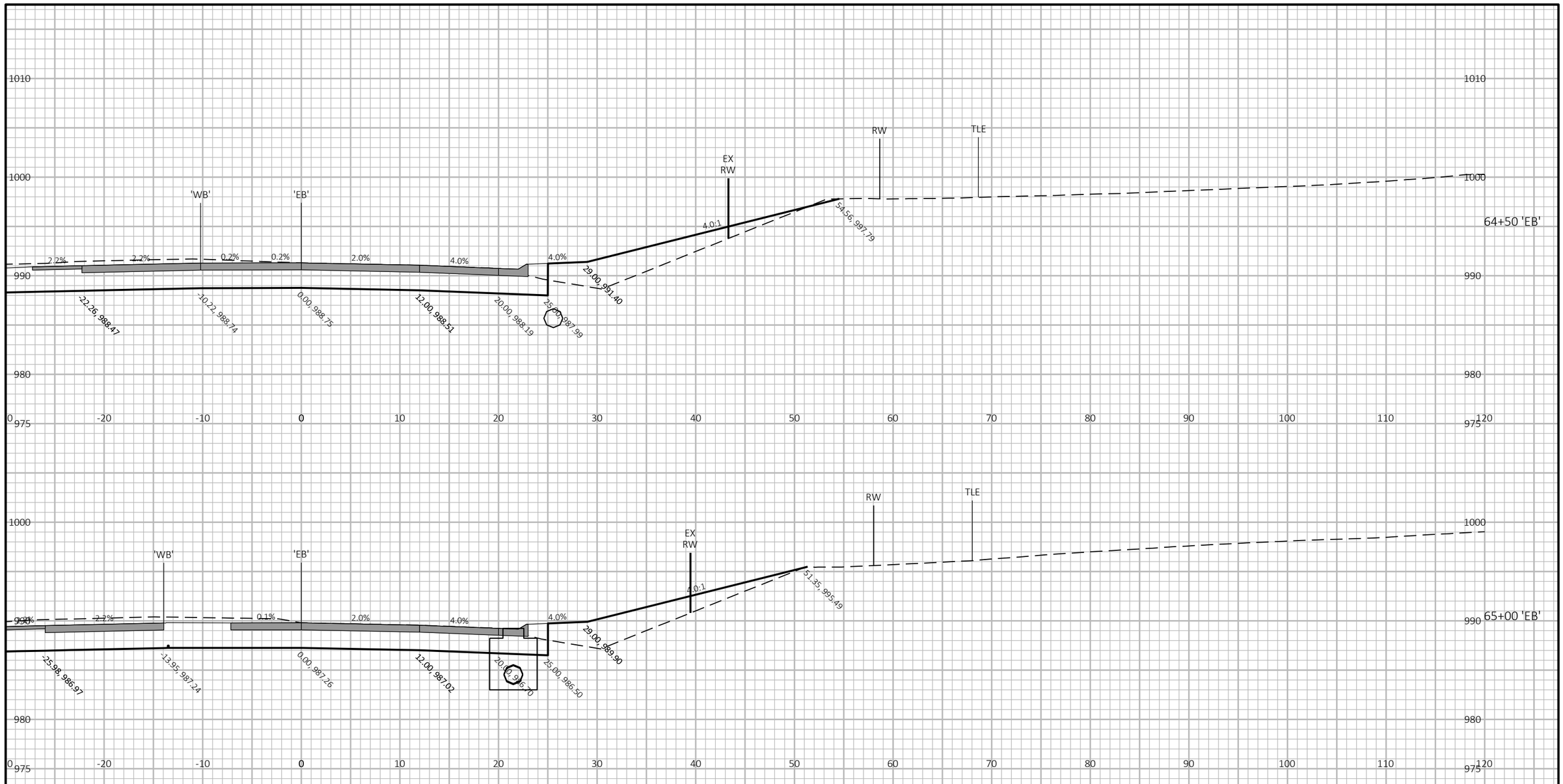


PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'EB'	SHEET 250	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-EB7

PLOT DATE : 4/16/2025 10:38 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



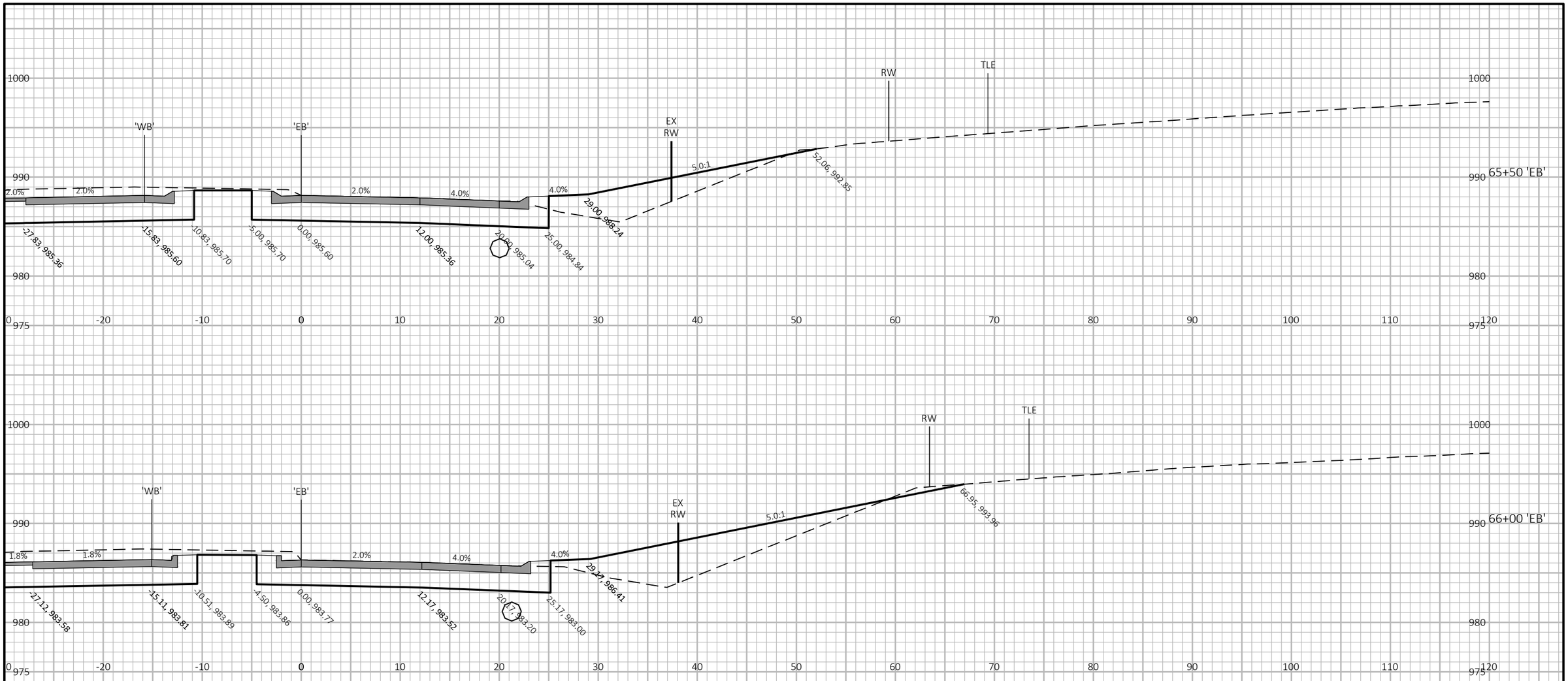
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'EB'	SHEET 251 E

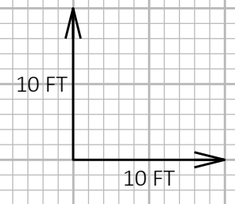
FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-EB8

PLOT DATE : 4/16/2025 10:38 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49





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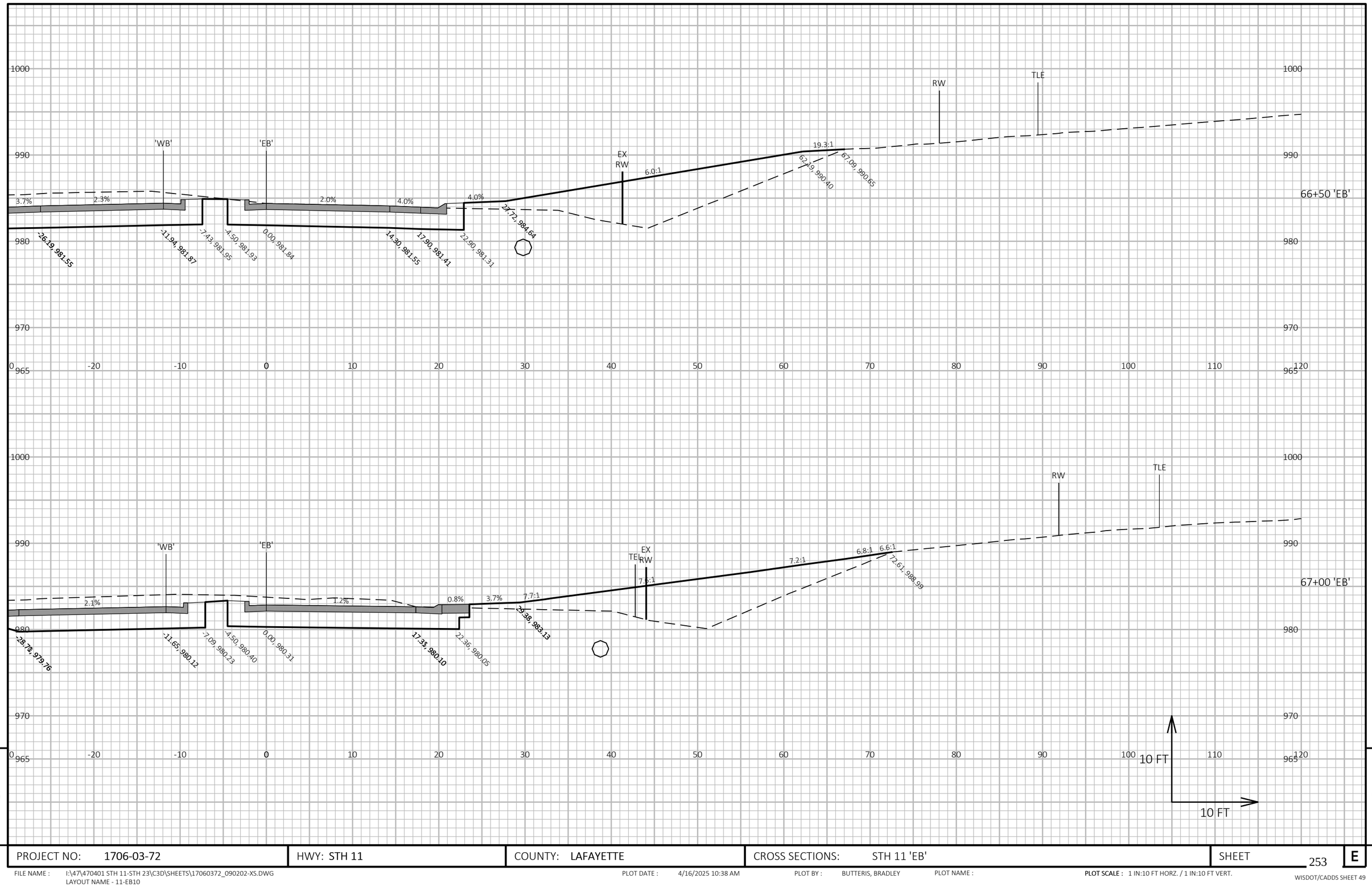
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'EB'	SHEET 252	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-EB9

PLOT DATE : 4/16/2025 10:38 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49

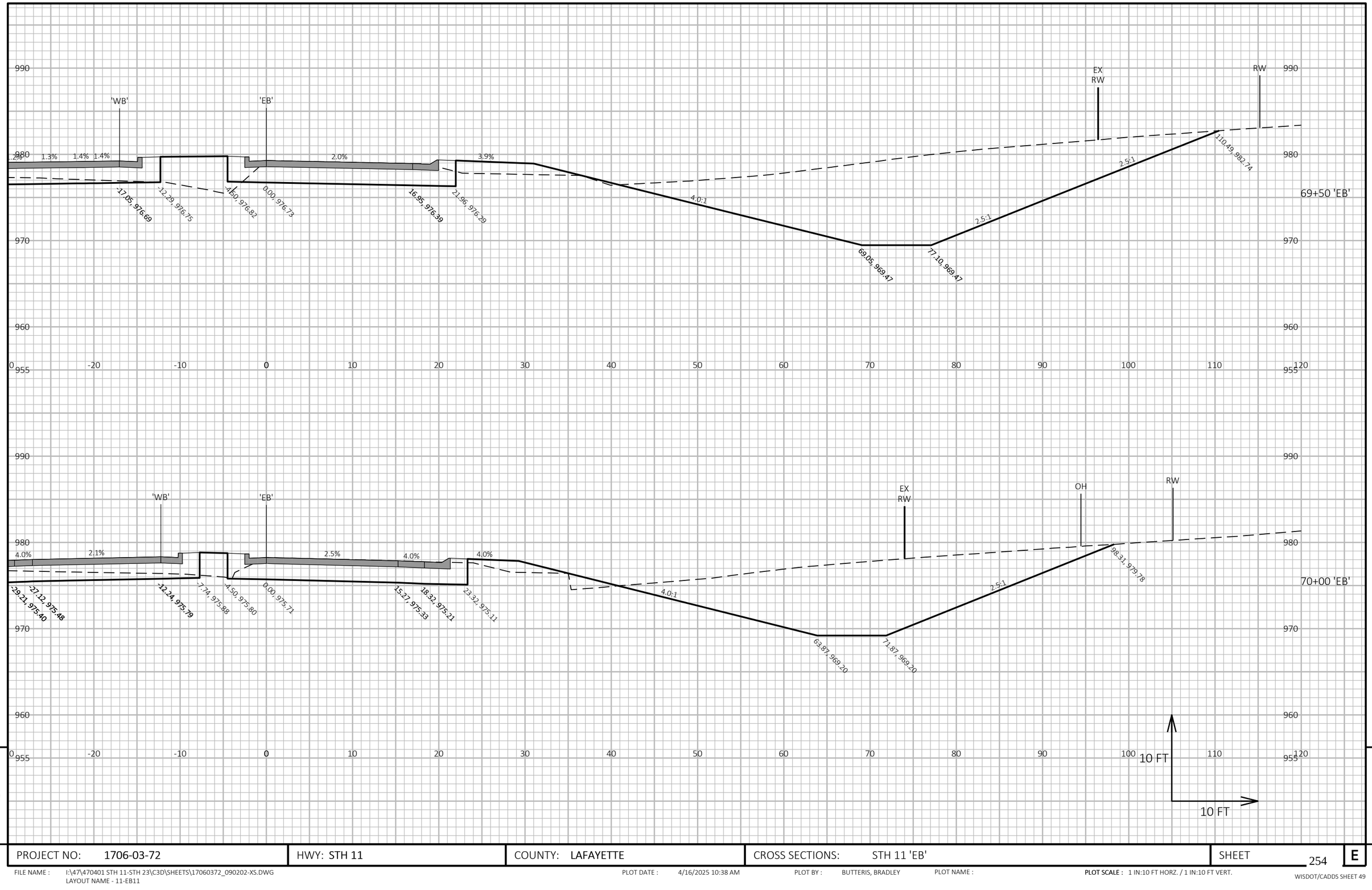


PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'EB'	SHEET 253 E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-EB10

PLOT DATE : 4/16/2025 10:38 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

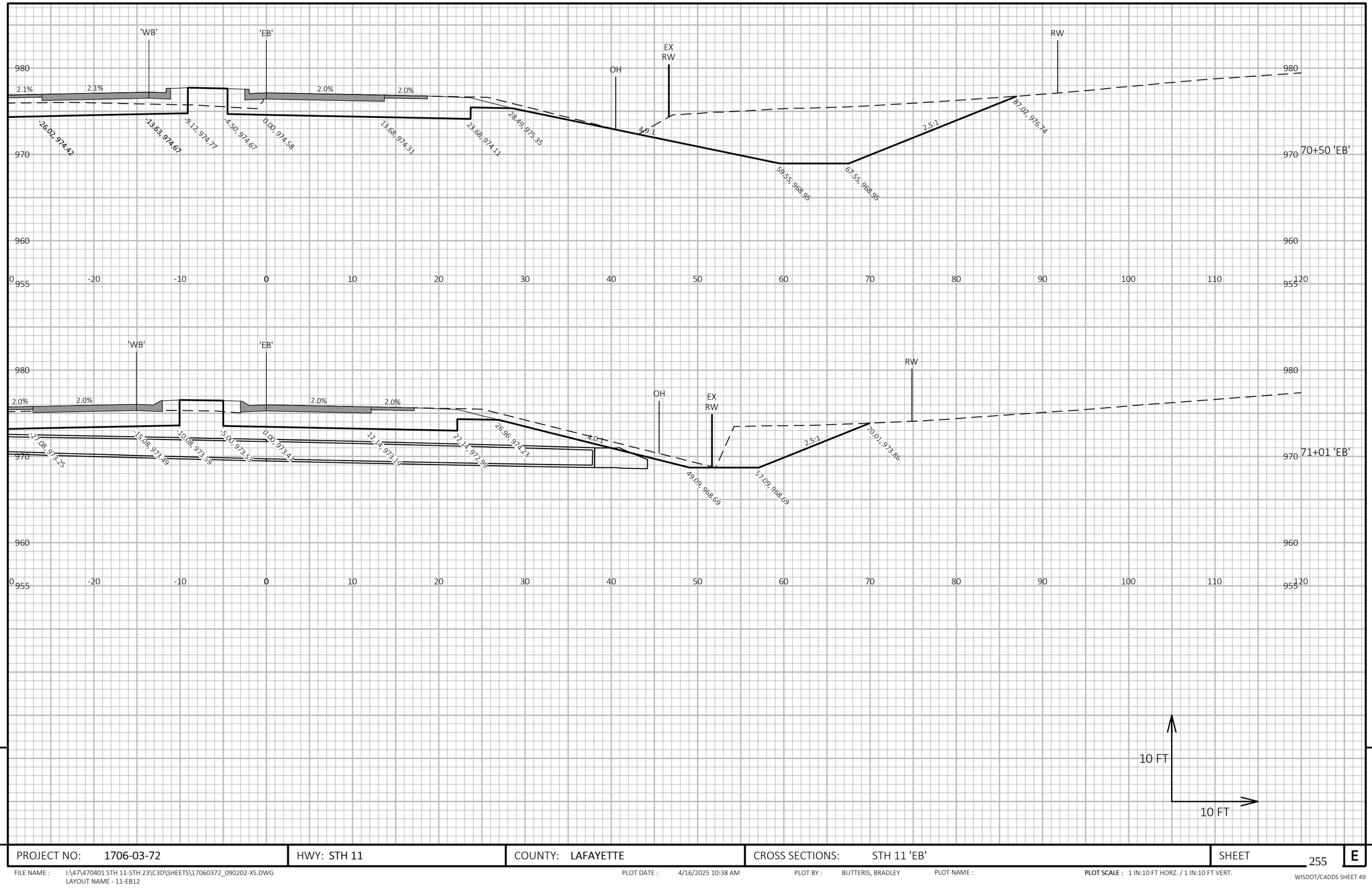


PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'EB'	SHEET 254	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-EB11

PLOT DATE : 4/16/2025 10:38 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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



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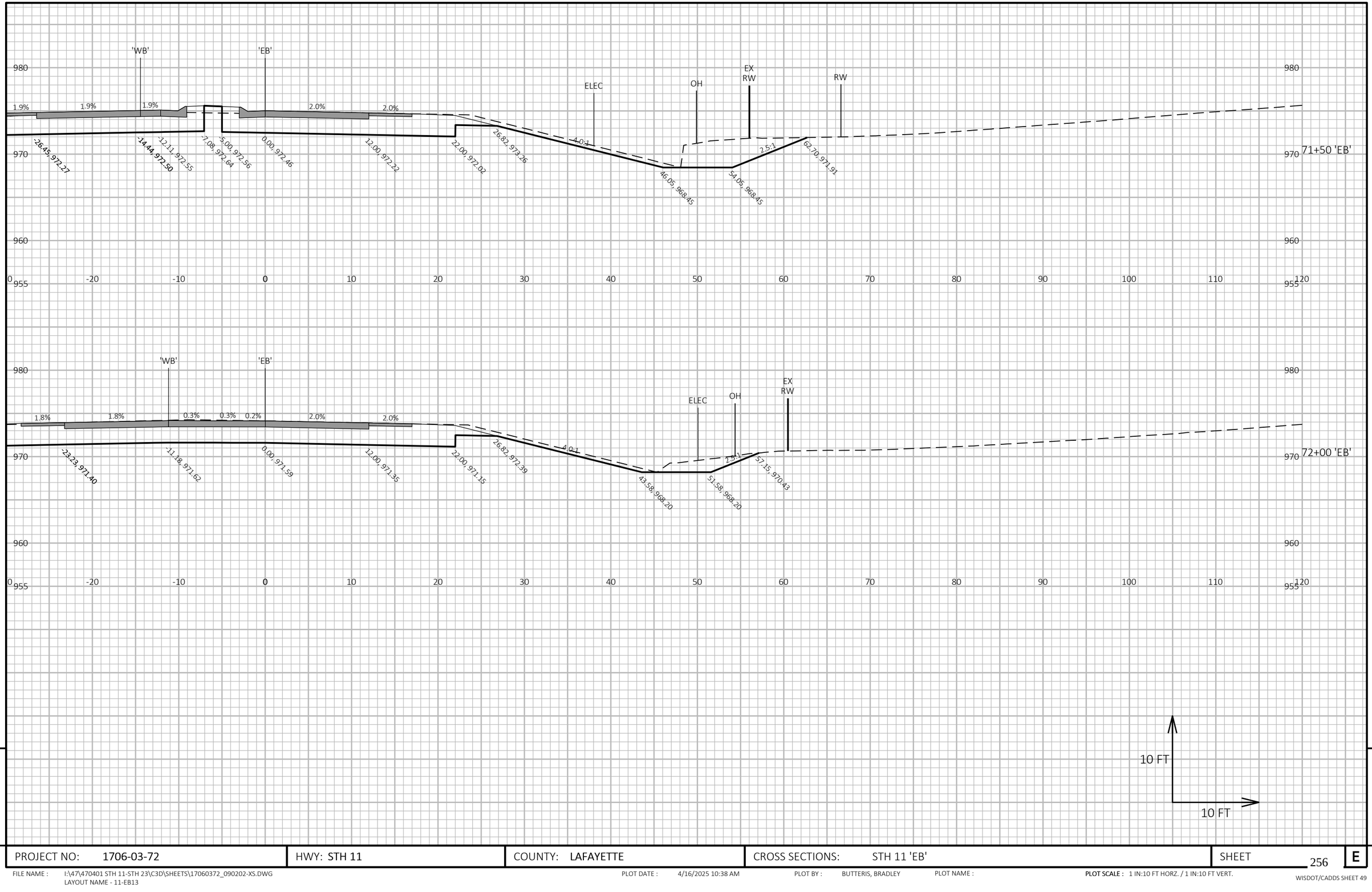
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PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'EB'	SHEET 255	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-EB12

PLOT DATE : 4/16/2025 10:38 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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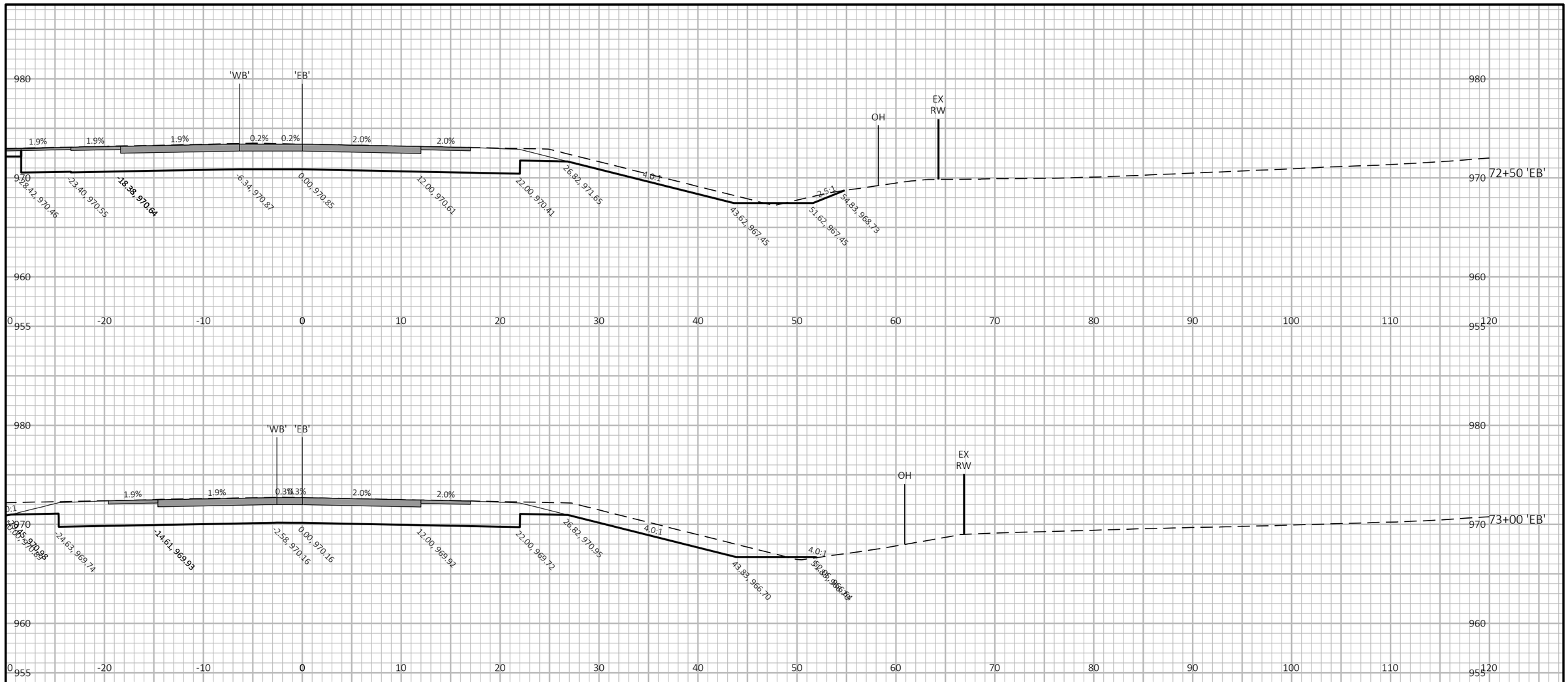
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'EB'	SHEET 256	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-EB13

PLOT DATE : 4/16/2025 10:38 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49



10 FT
10 FT

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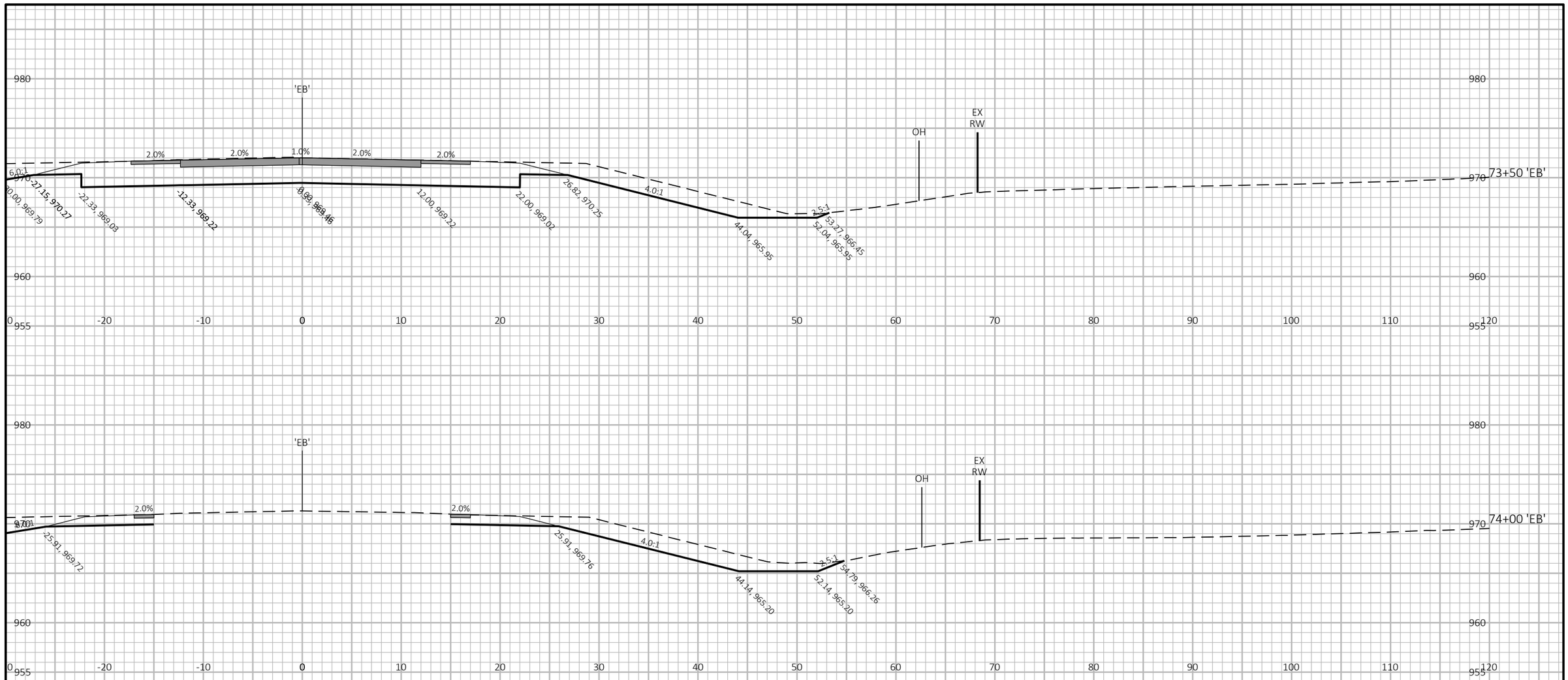
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'EB'	SHEET 257	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-EB14

PLOT DATE : 4/16/2025 10:39 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49



10 FT

10 FT

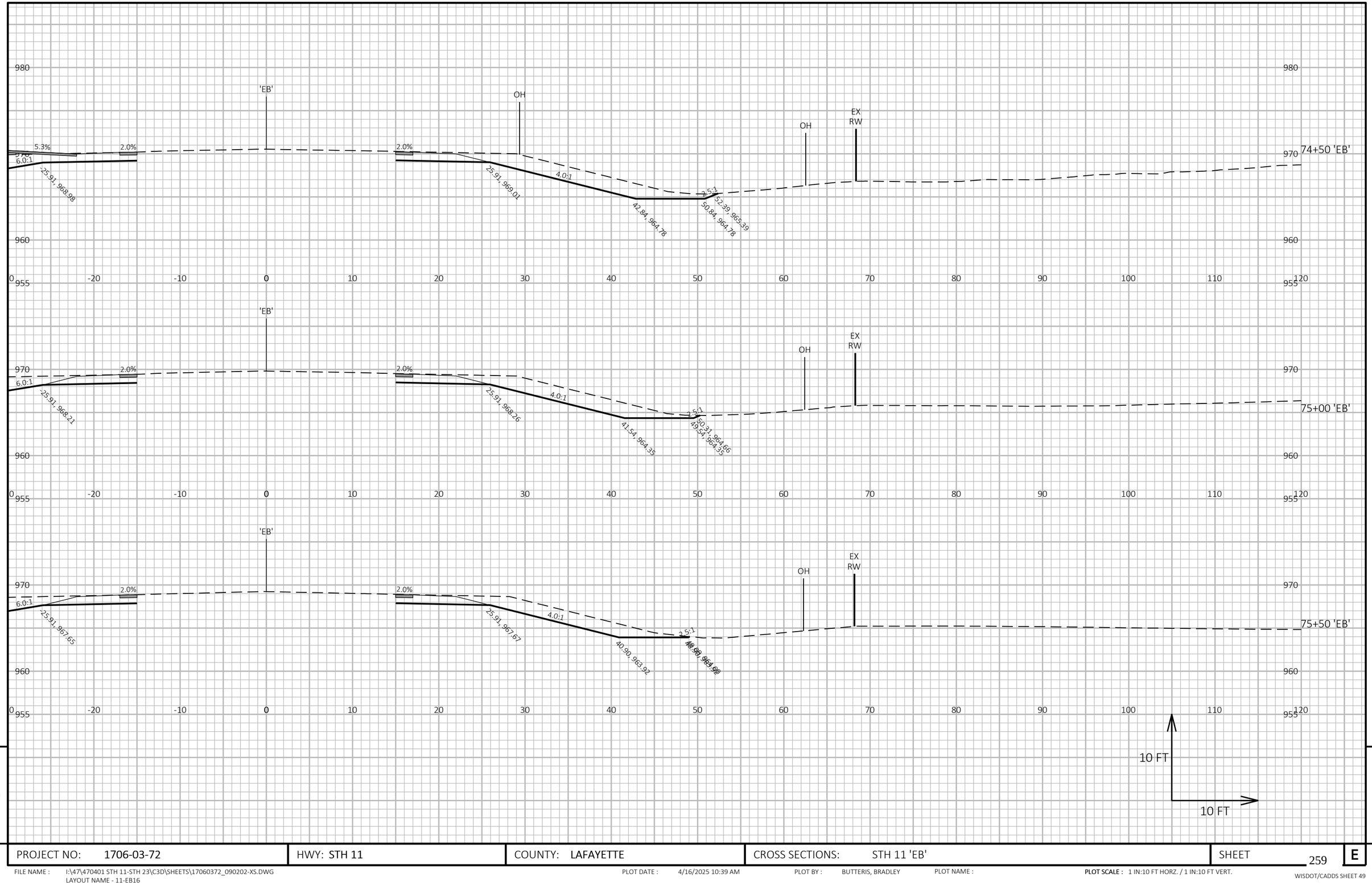
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'EB'	SHEET 258	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-EB15

PLOT DATE : 4/16/2025 10:39 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49



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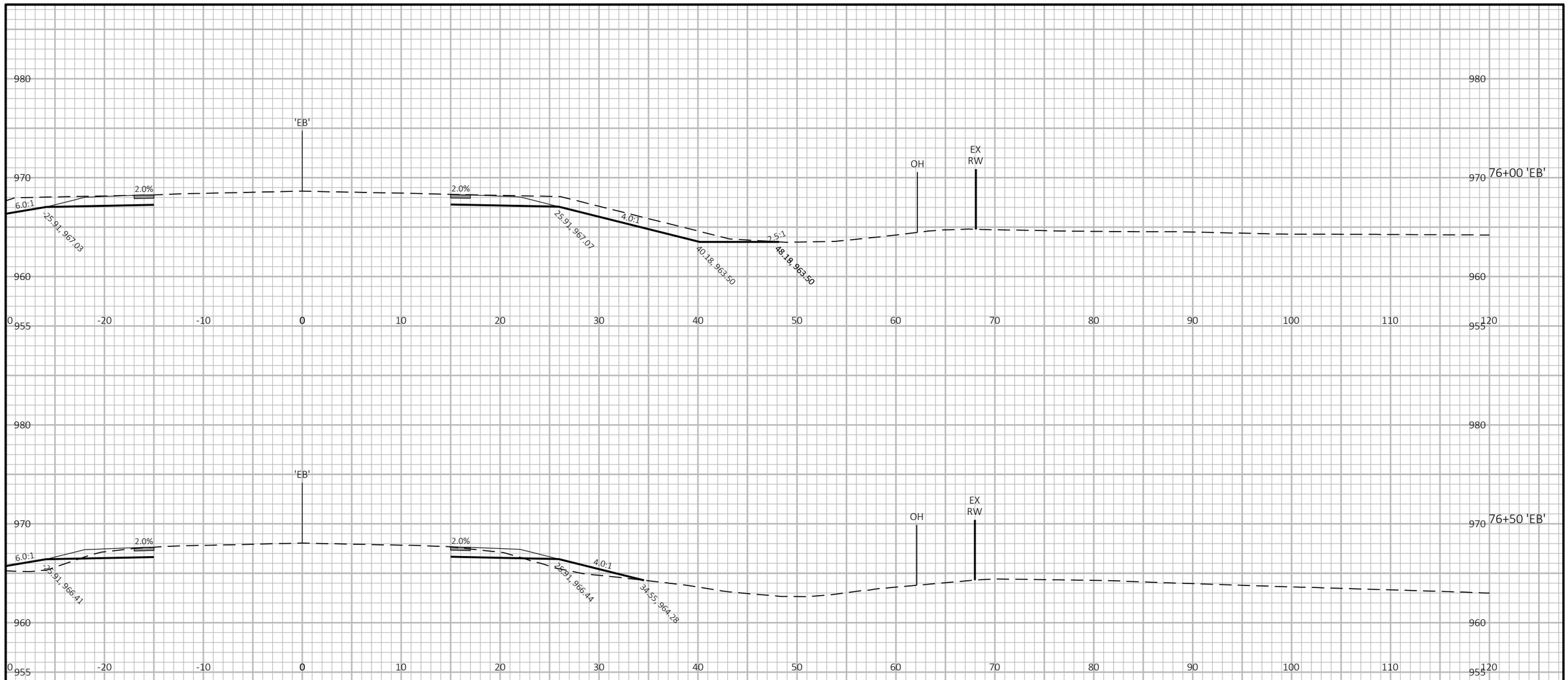
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'EB'	SHEET 259	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-EB16

PLOT DATE : 4/16/2025 10:39 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49



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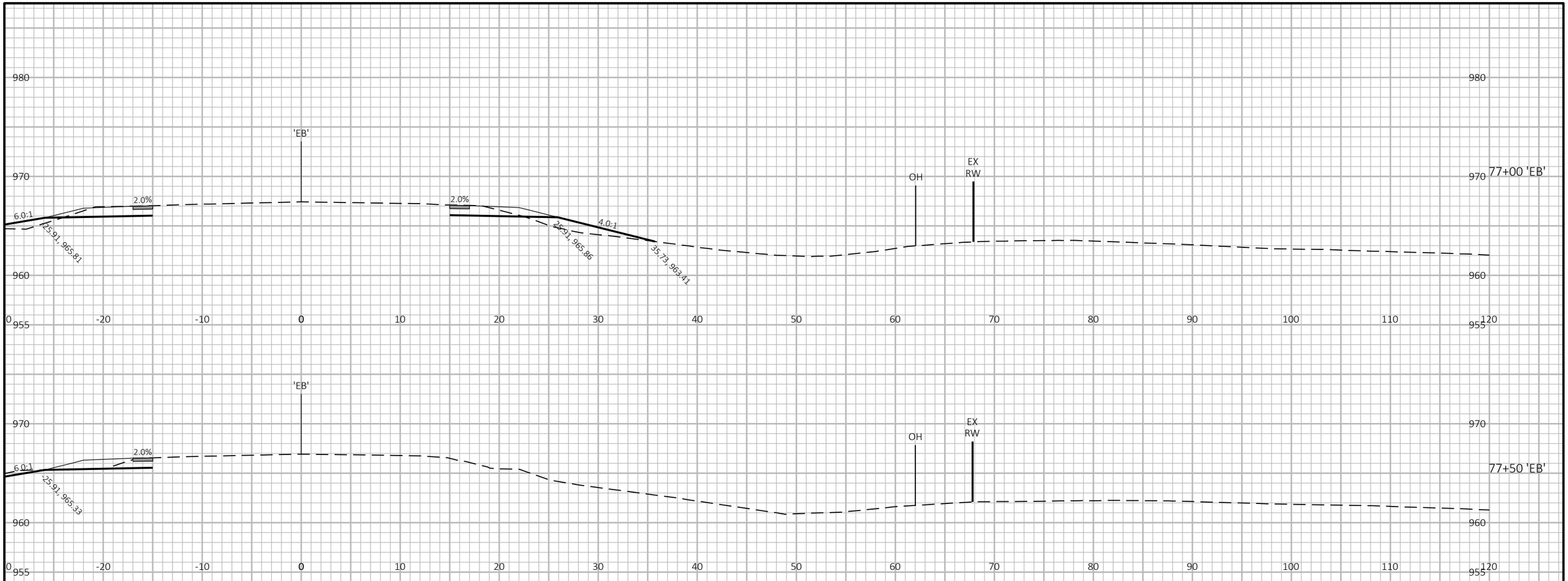
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FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-EB17

PLOT DATE : 4/16/2025 10:39 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49



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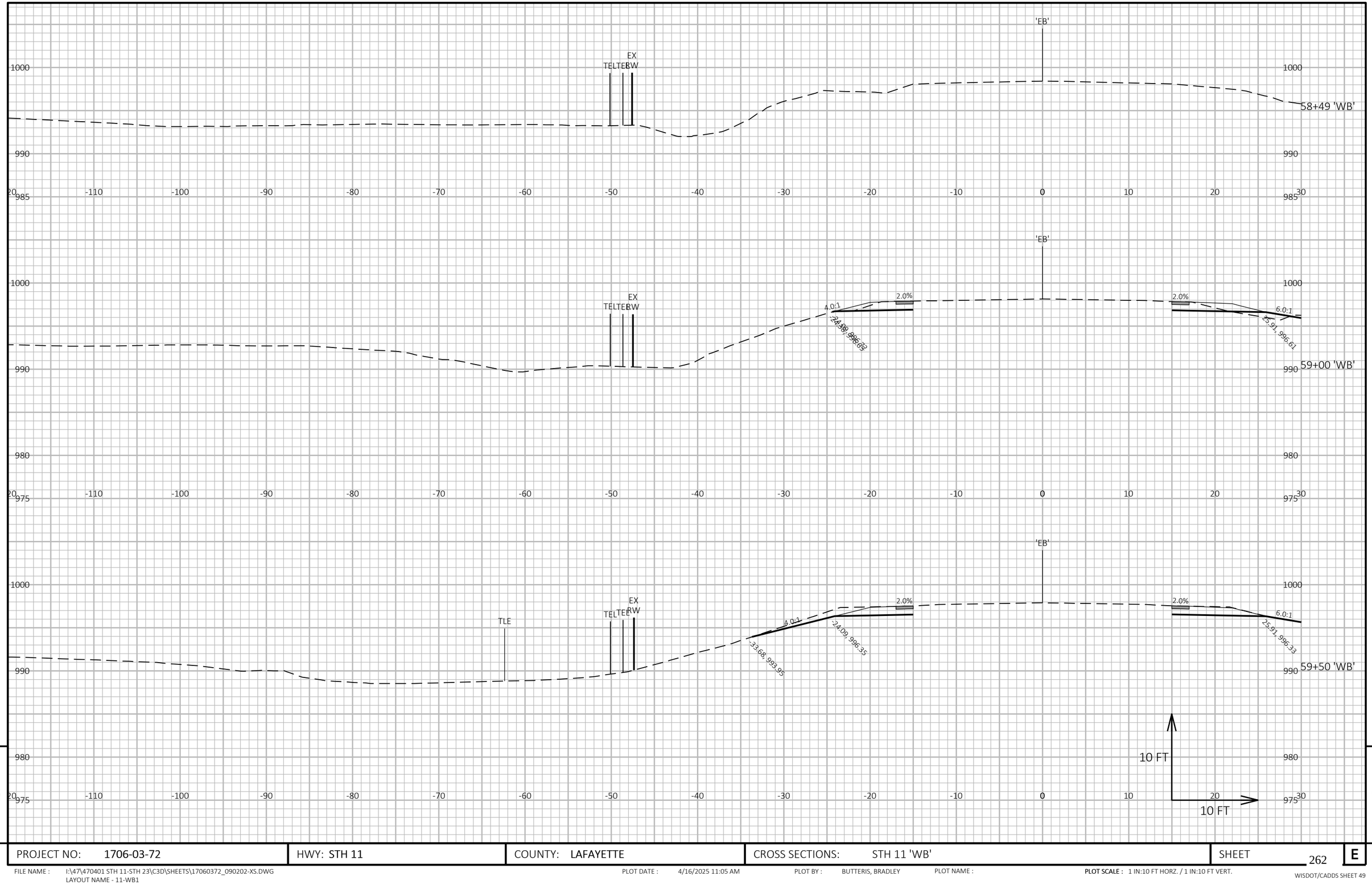
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PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'EB'	SHEET 261	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-EB18

PLOT DATE : 4/16/2025 10:39 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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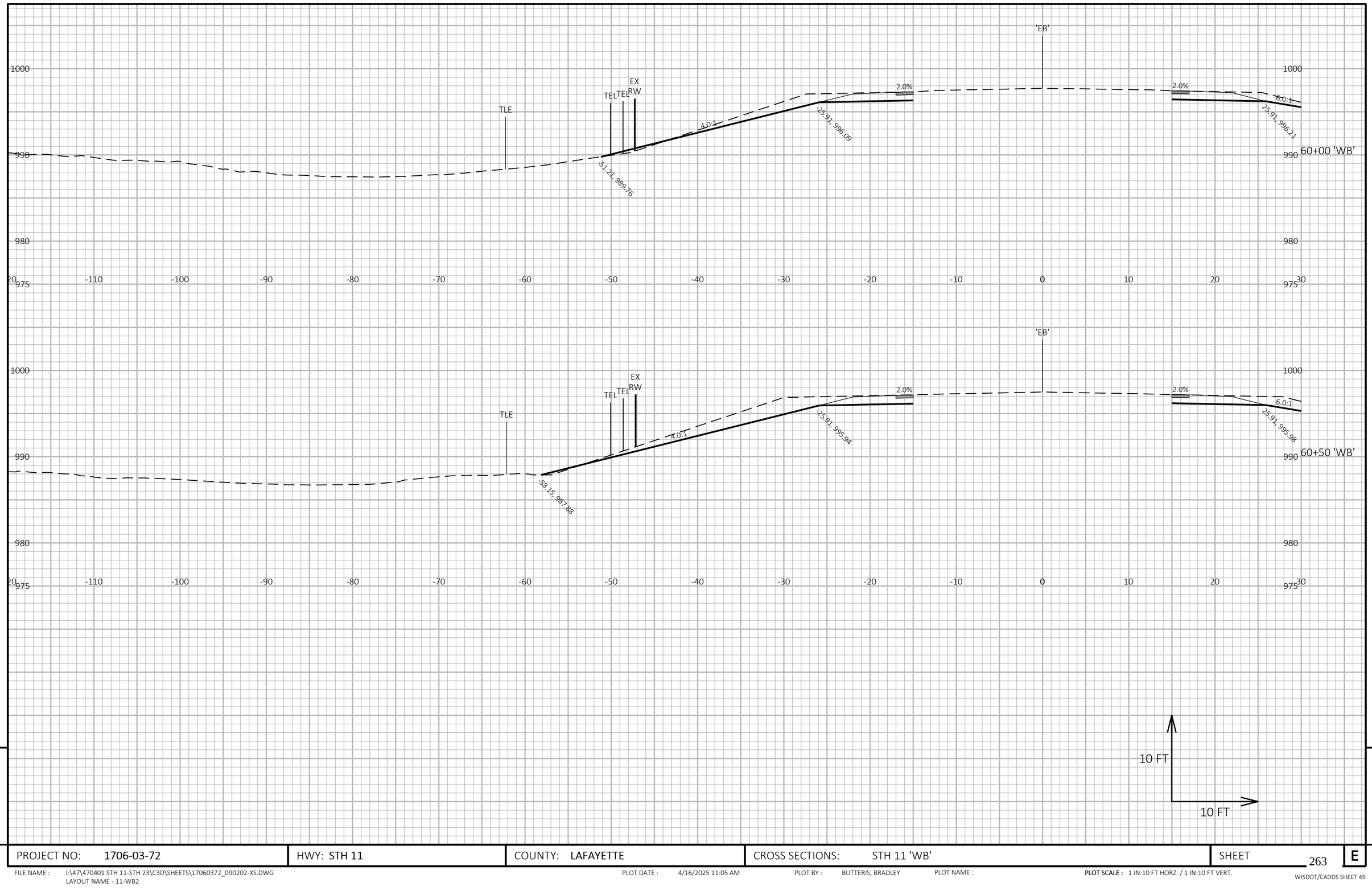
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'WB'	SHEET 262	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-WB1

PLOT DATE : 4/16/2025 11:05 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49



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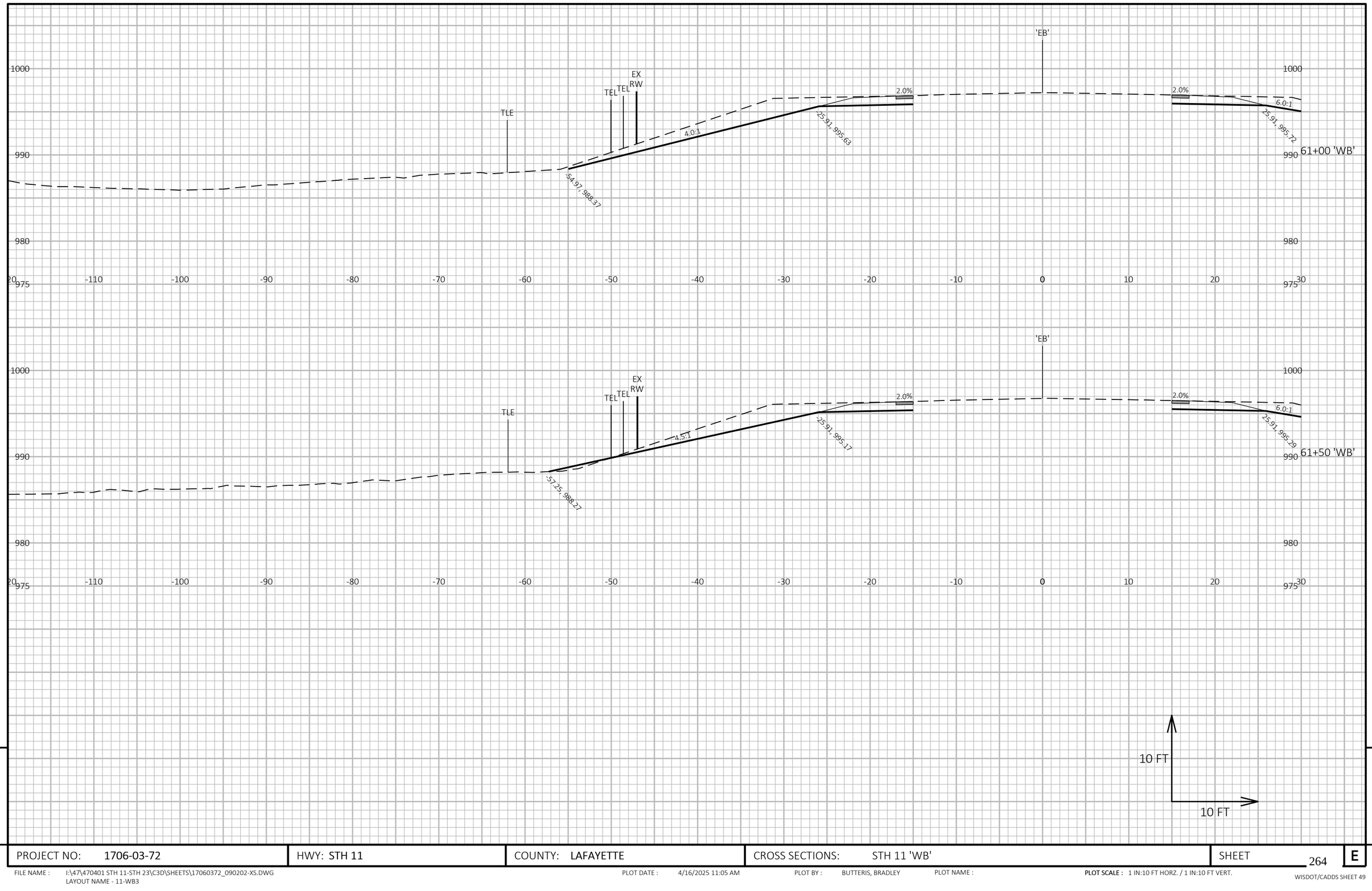
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PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'WB'	SHEET 263	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-WB2

PLOT DATE : 4/16/2025 11:05 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

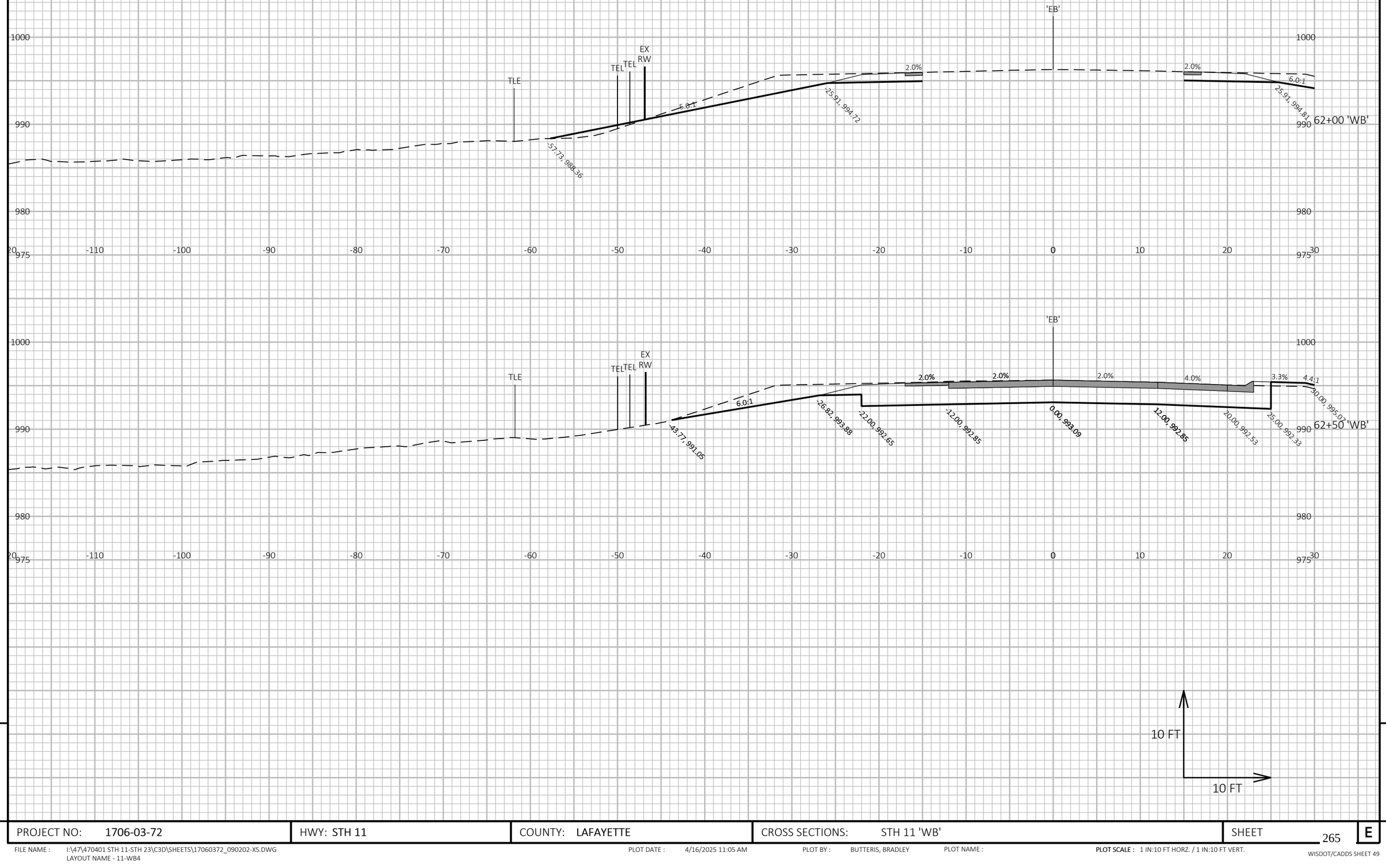
WISDOT/CADDS SHEET 49



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PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'WB'	SHEET 264	E



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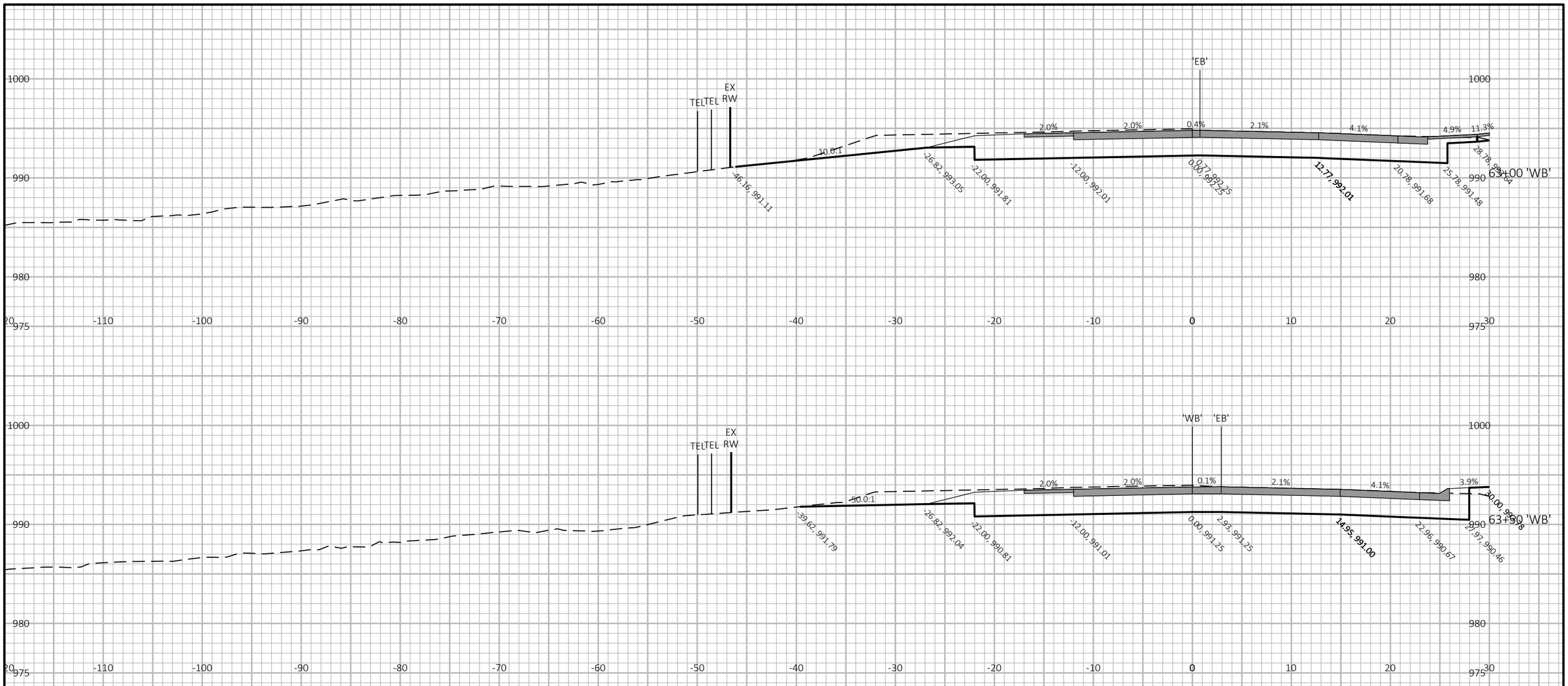
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'WB'	SHEET 265	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-WB4

PLOT DATE : 4/16/2025 11:05 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49



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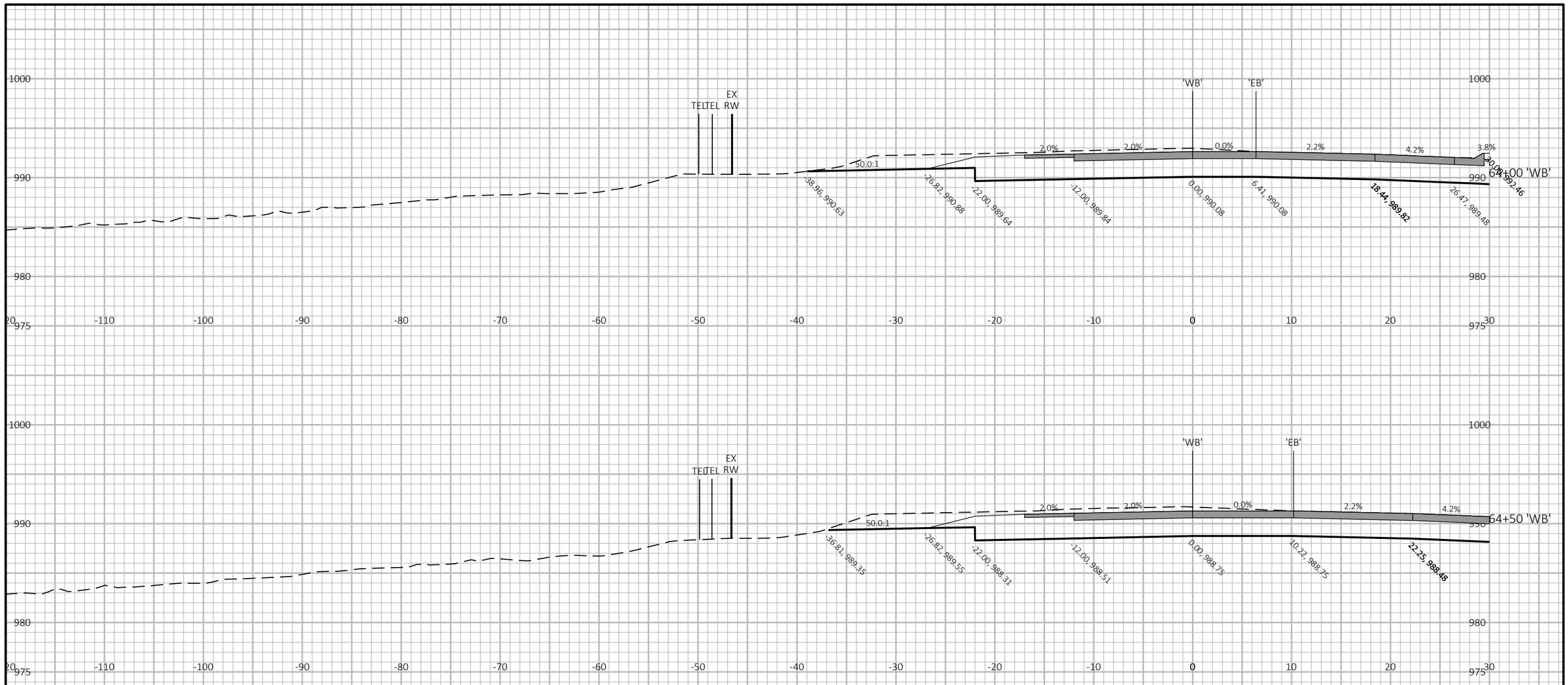
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'WB'	SHEET 266	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-WB5

PLOT DATE : 4/16/2025 11:06 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49



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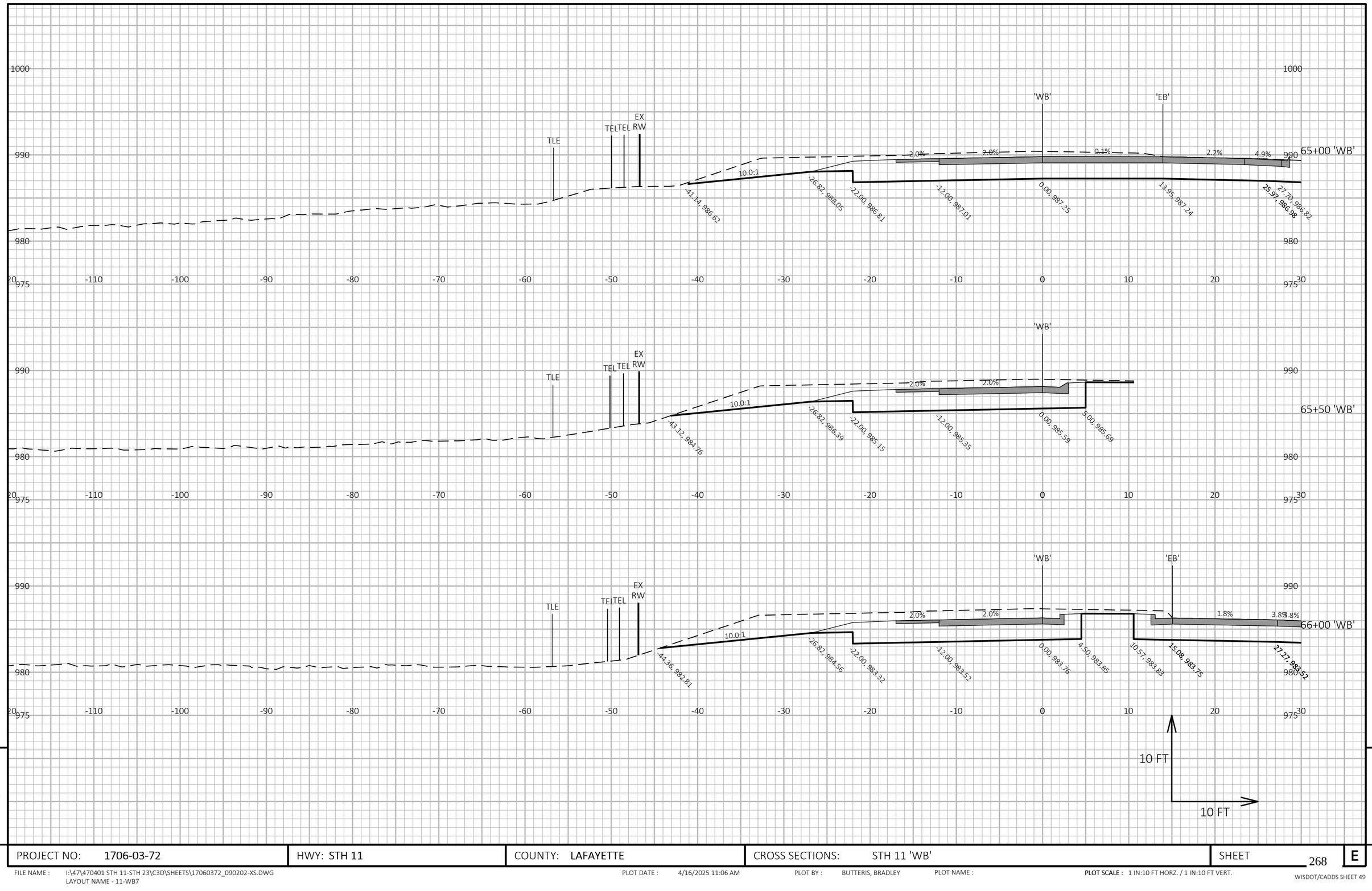
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'WB'	SHEET 267	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-WB6

PLOT DATE : 4/16/2025 11:06 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

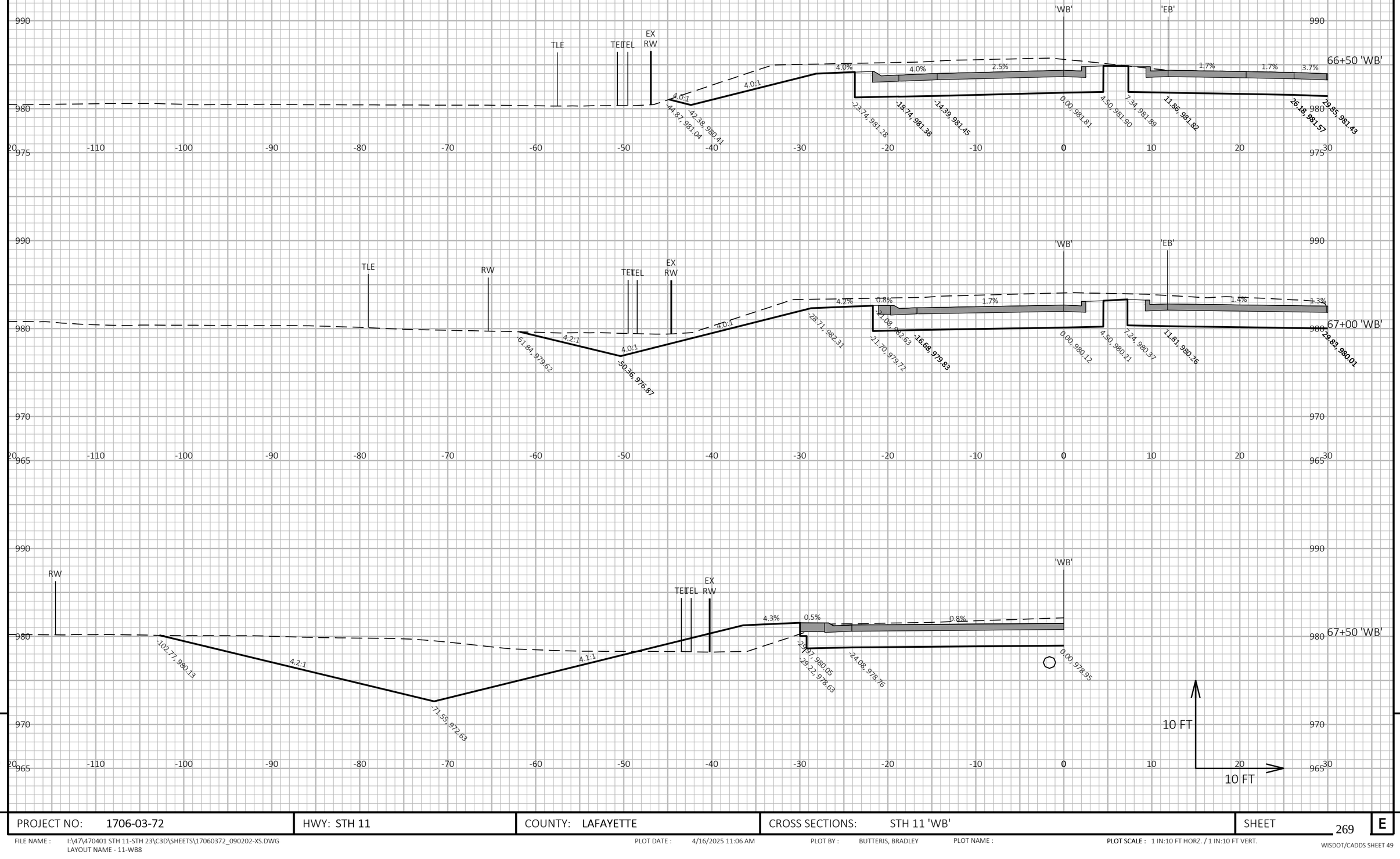
WISDOT/CADDS SHEET 49



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PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'WB'	SHEET 268	E



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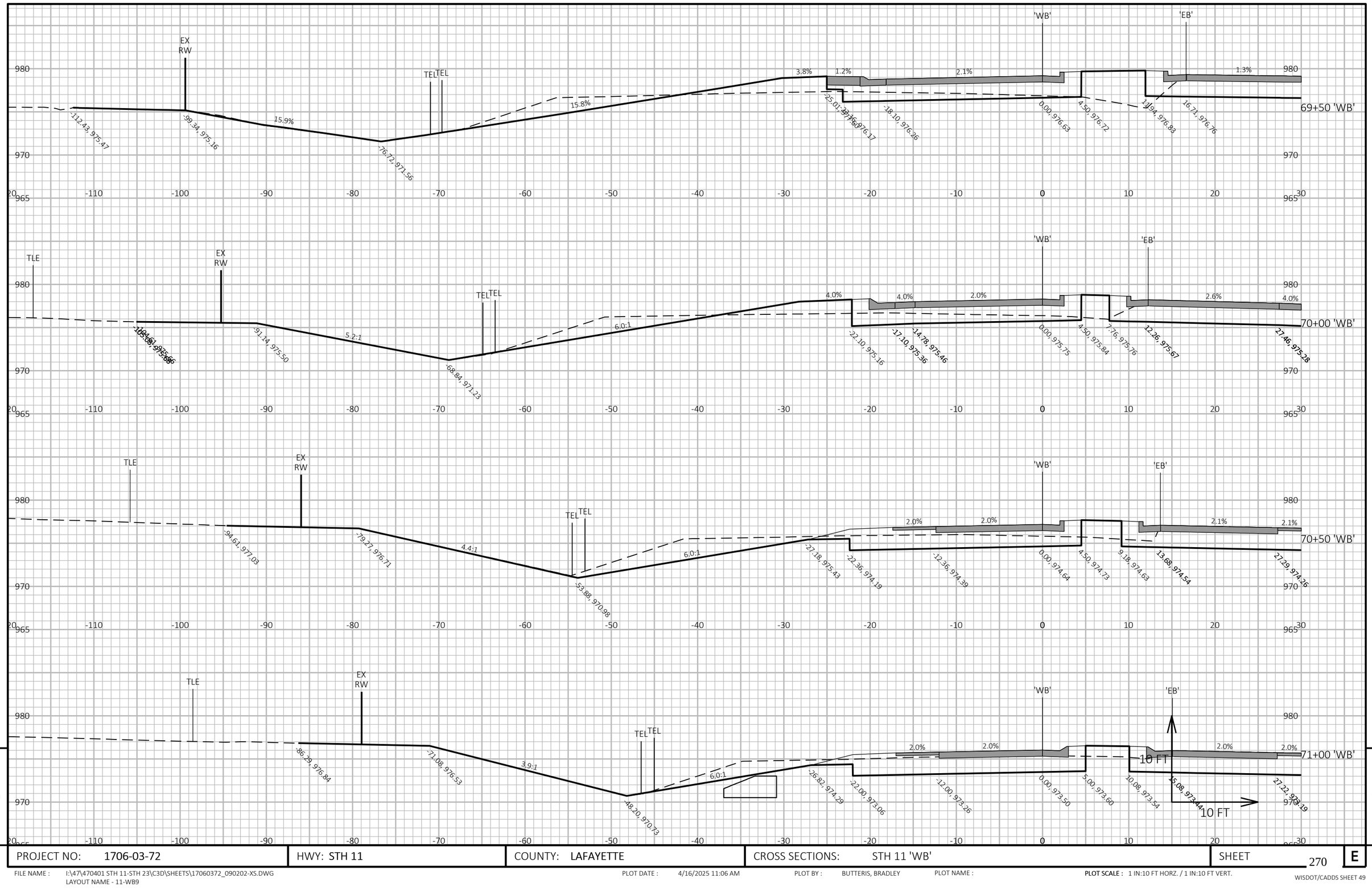
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'WB'	SHEET 269	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-WB8

PLOT DATE : 4/16/2025 11:06 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49



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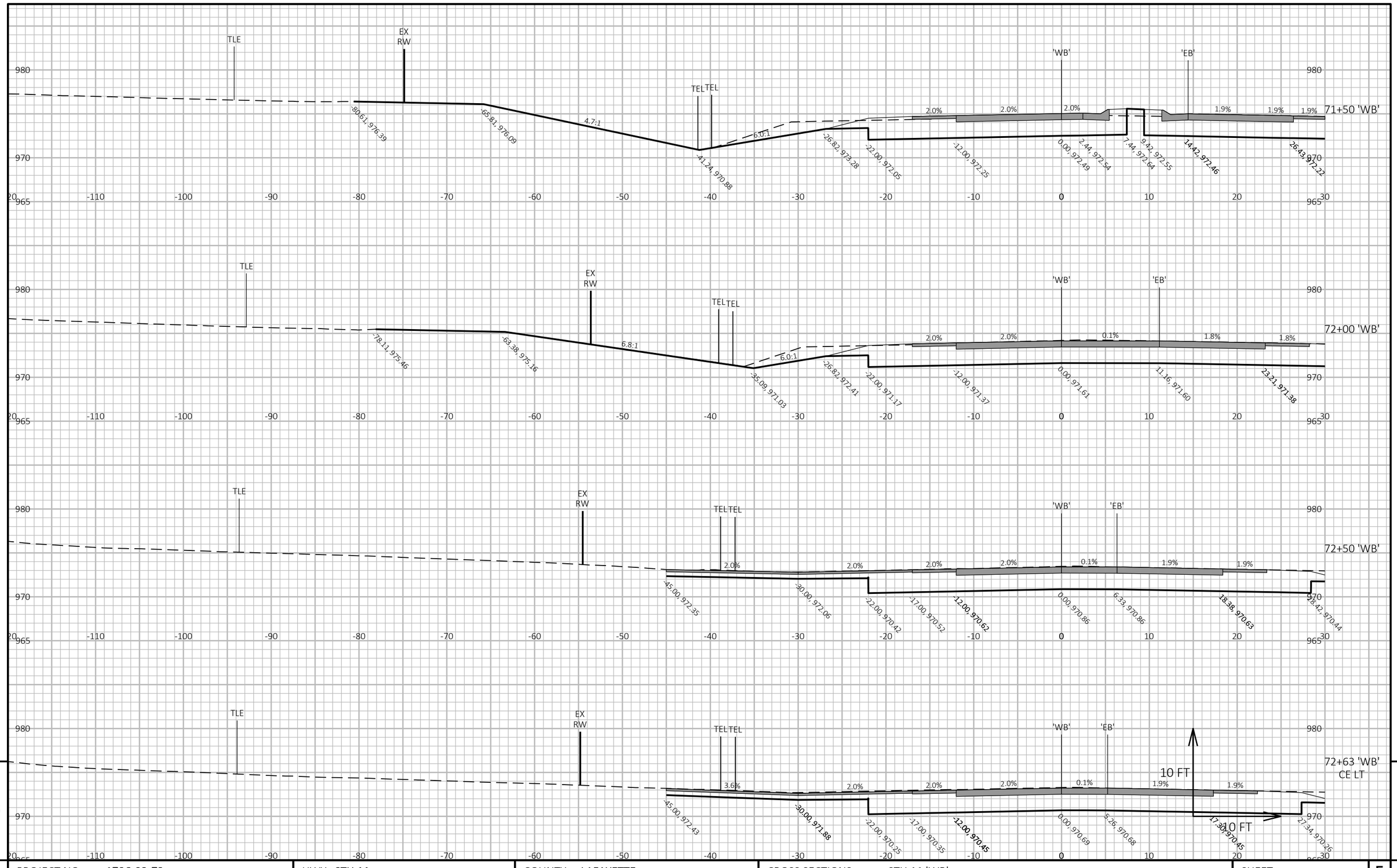
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'WB'	SHEET 270	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-WB9

PLOT DATE : 4/16/2025 11:06 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49



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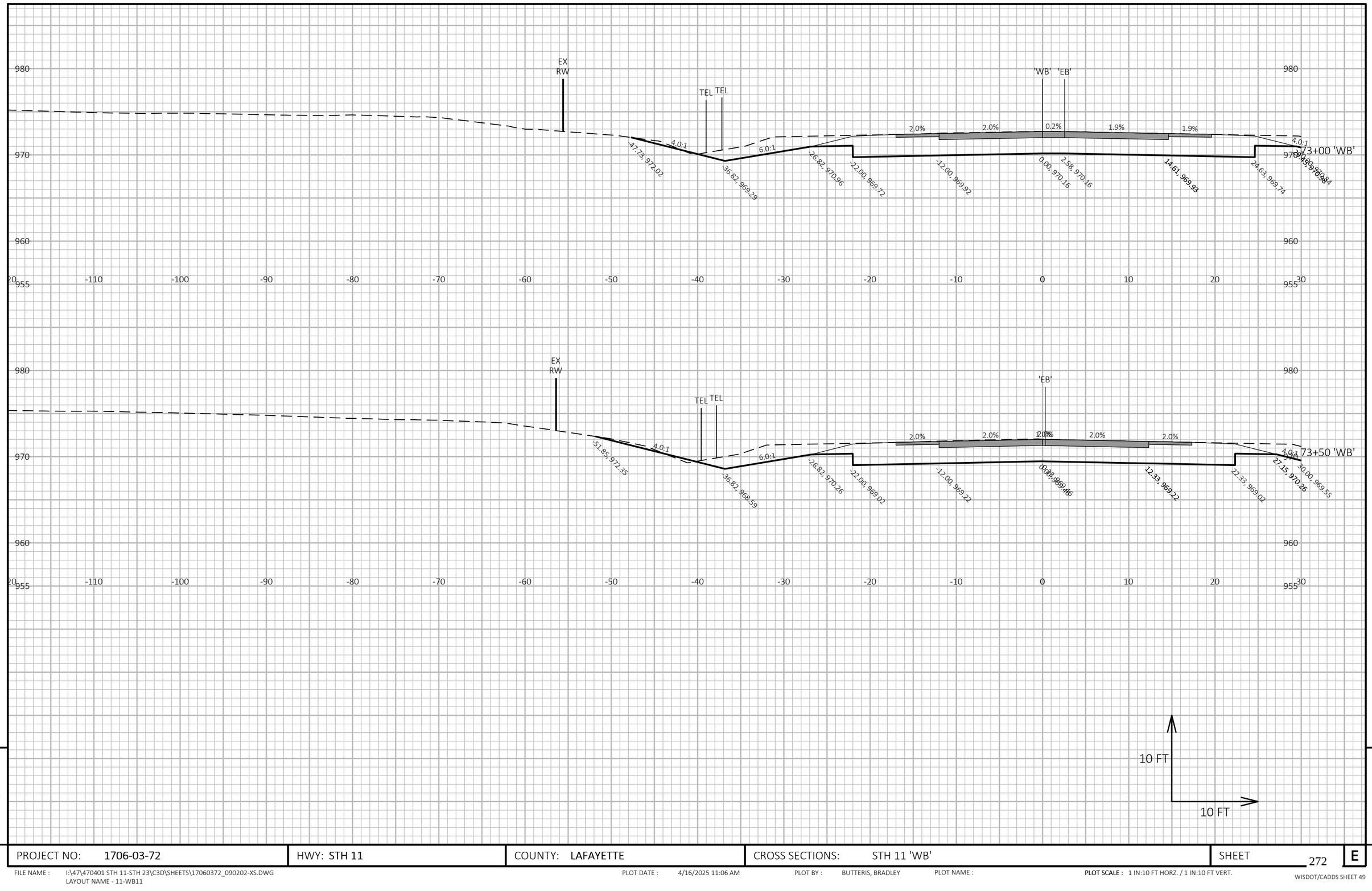
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'WB'	SHEET 271	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-WB10

PLOT DATE : 4/16/2025 11:06 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49



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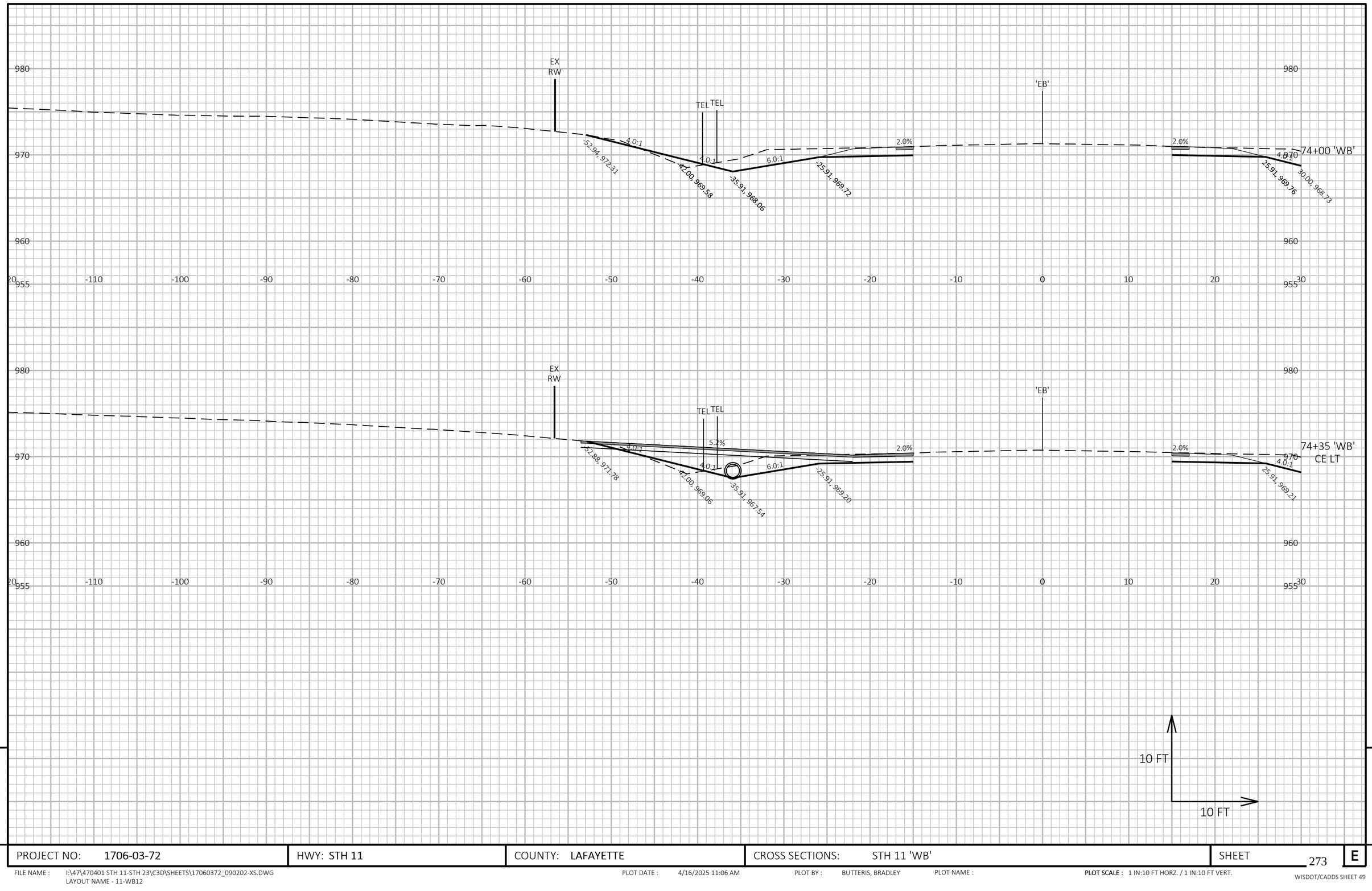
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FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-WB11

PLOT DATE : 4/16/2025 11:06 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49



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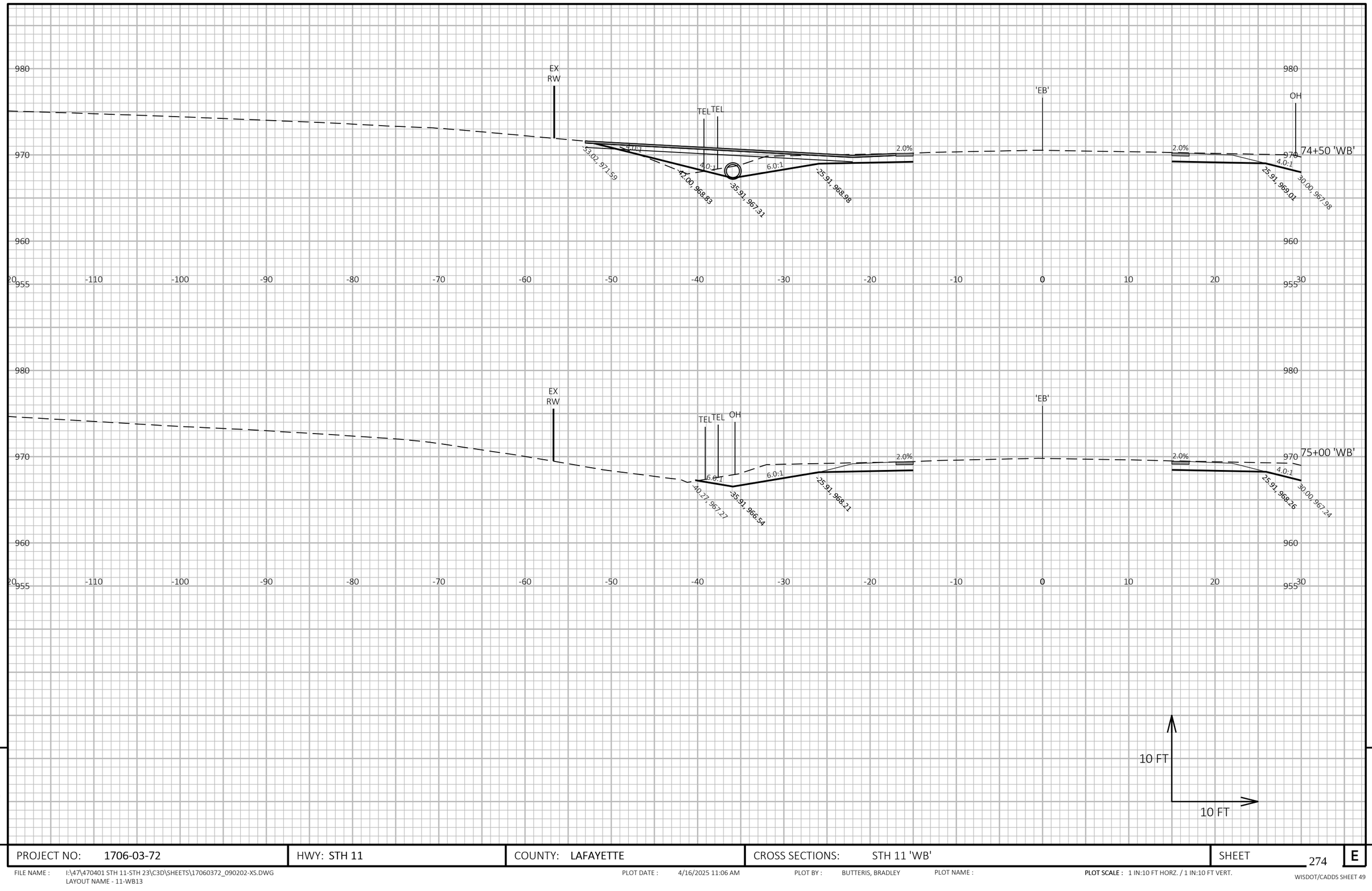
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PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'WB'	SHEET 273	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-WB12

PLOT DATE : 4/16/2025 11:06 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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



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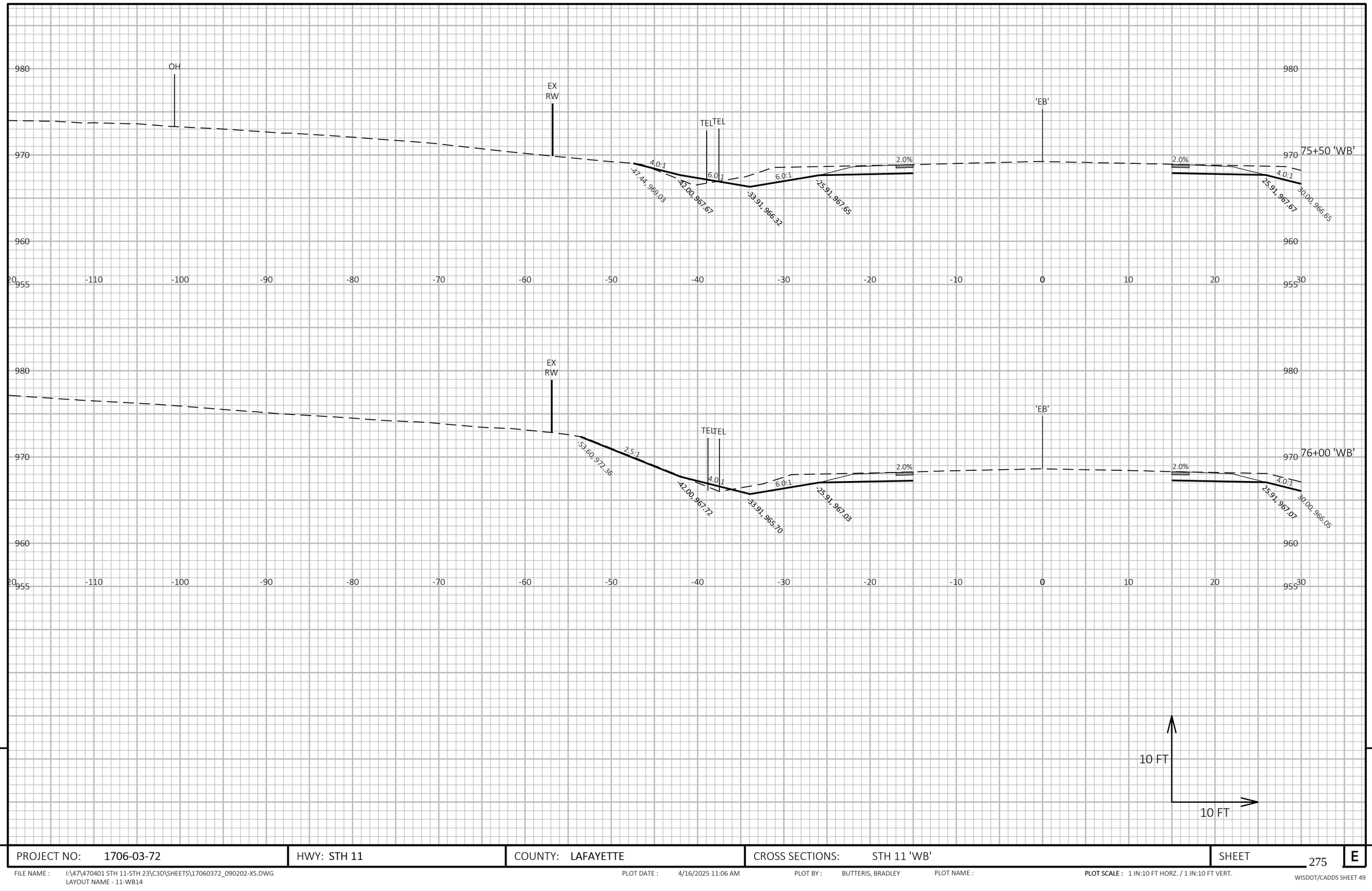
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'WB'	SHEET 274	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-WB13

PLOT DATE : 4/16/2025 11:06 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49



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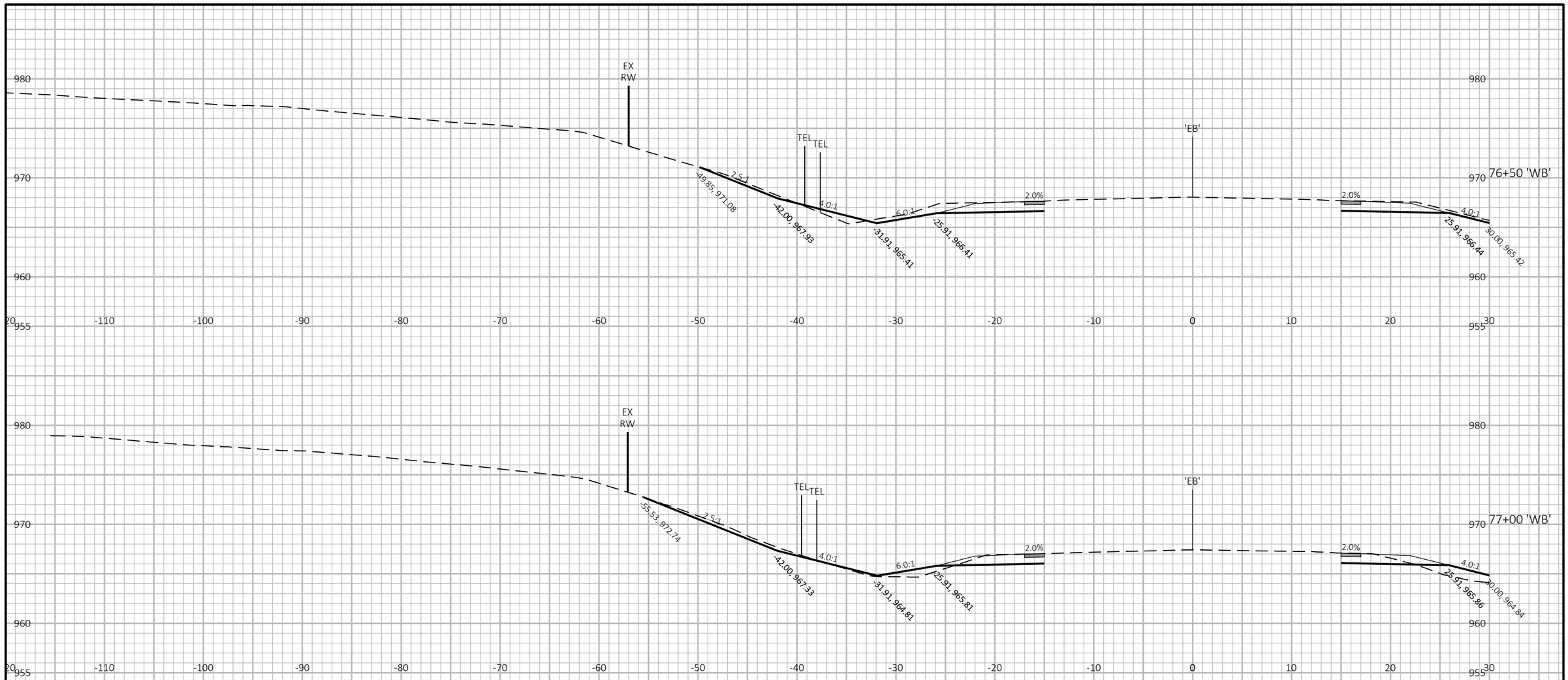
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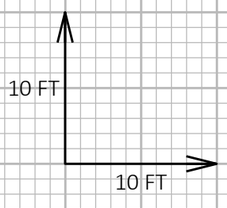
FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-WB14

PLOT DATE : 4/16/2025 11:06 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49





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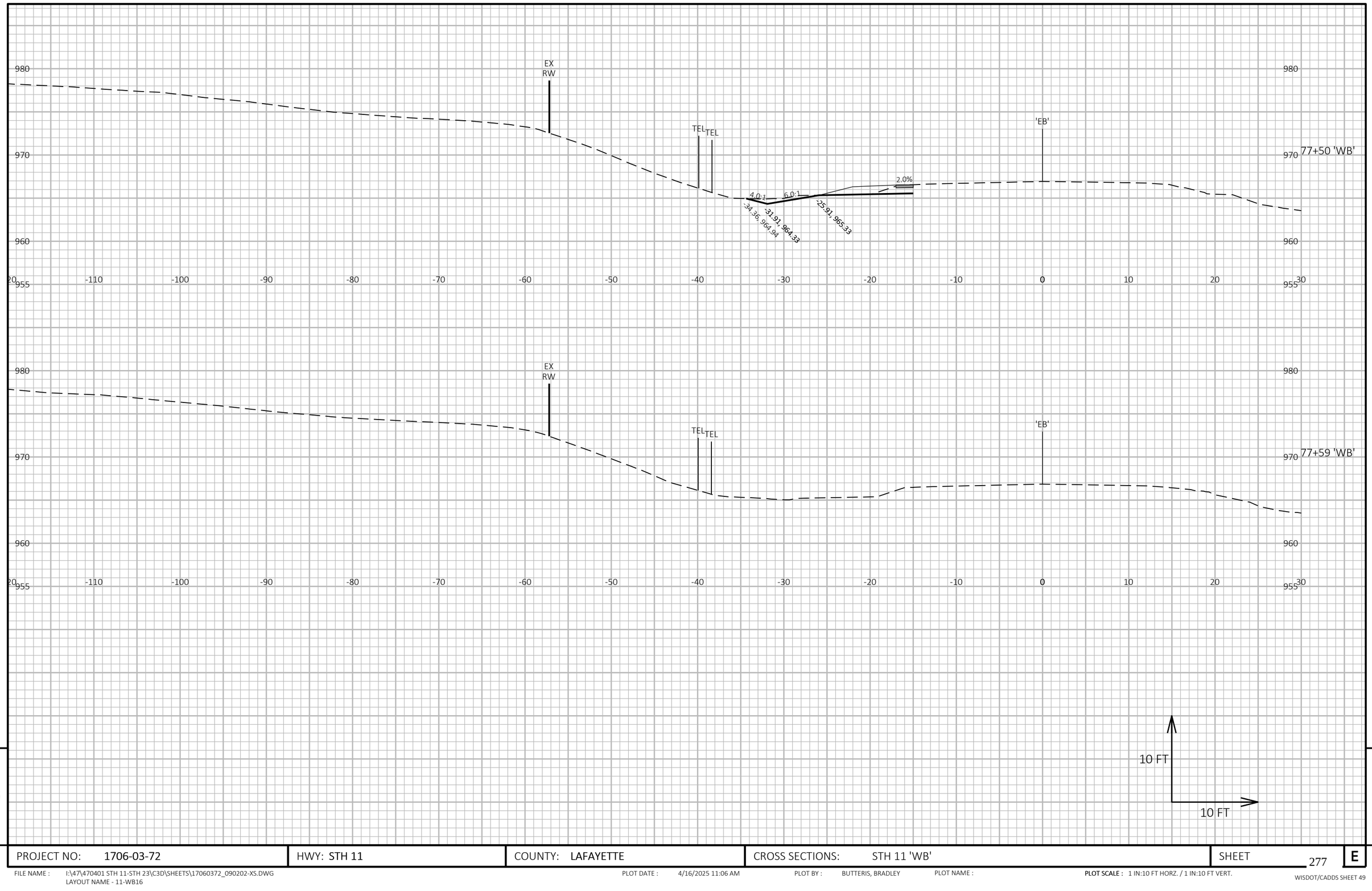
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'WB'	SHEET 276	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-WB15

PLOT DATE : 4/16/2025 11:06 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49



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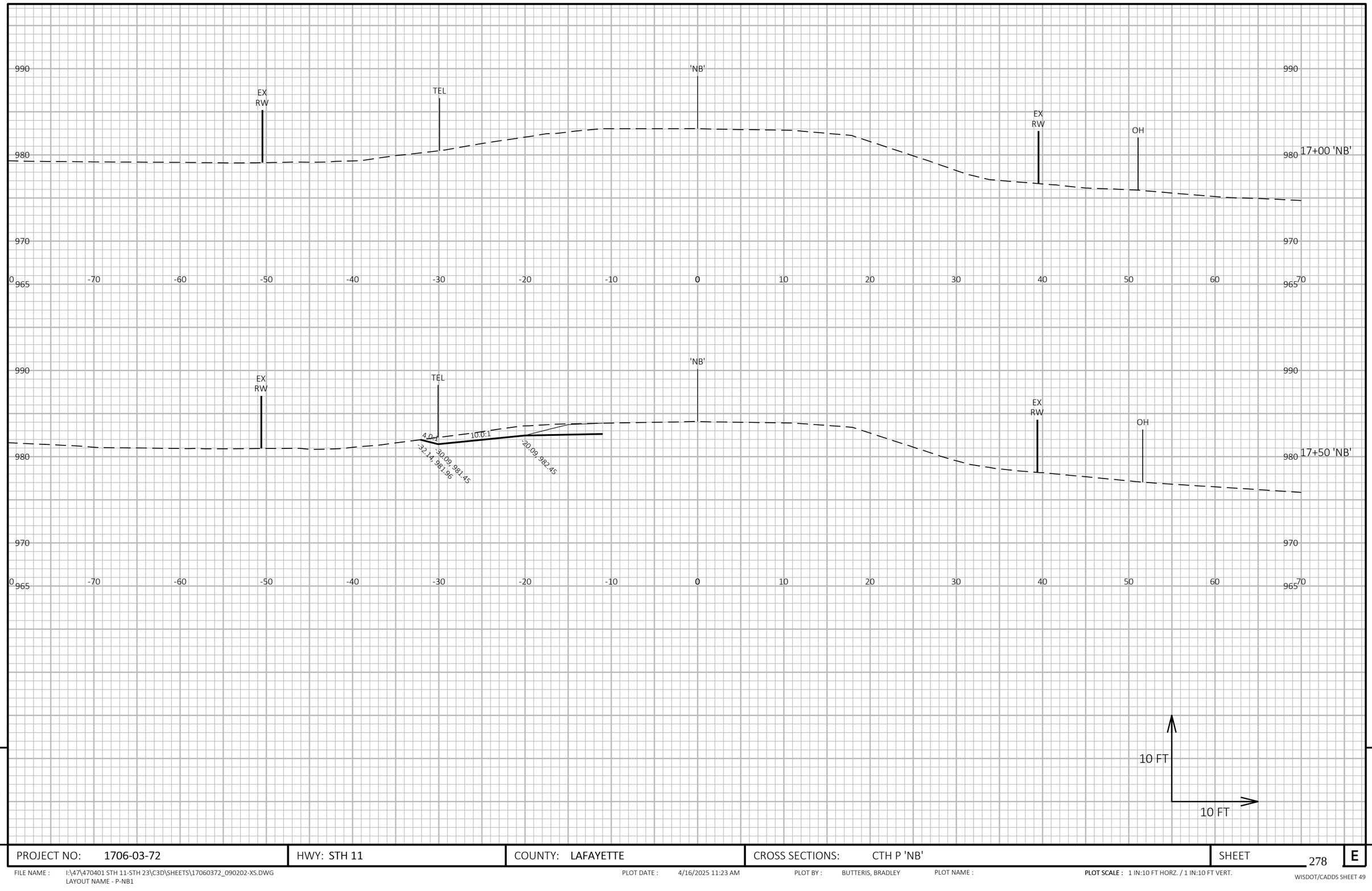
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 11 'WB'	SHEET 277	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 11-WB16

PLOT DATE : 4/16/2025 11:06 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49



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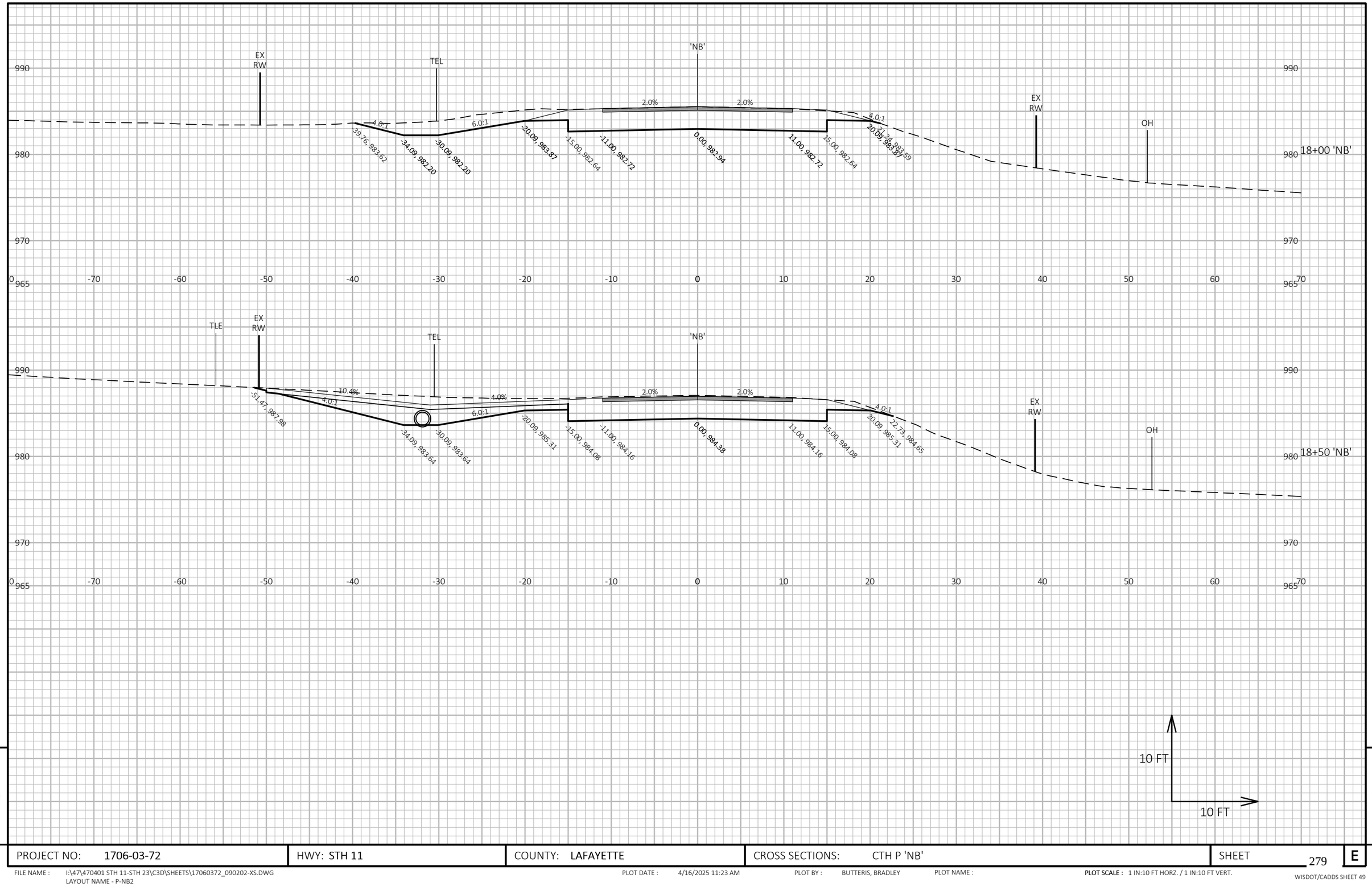
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CTH P 'NB'	SHEET 278	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - P-NB1

PLOT DATE : 4/16/2025 11:23 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49



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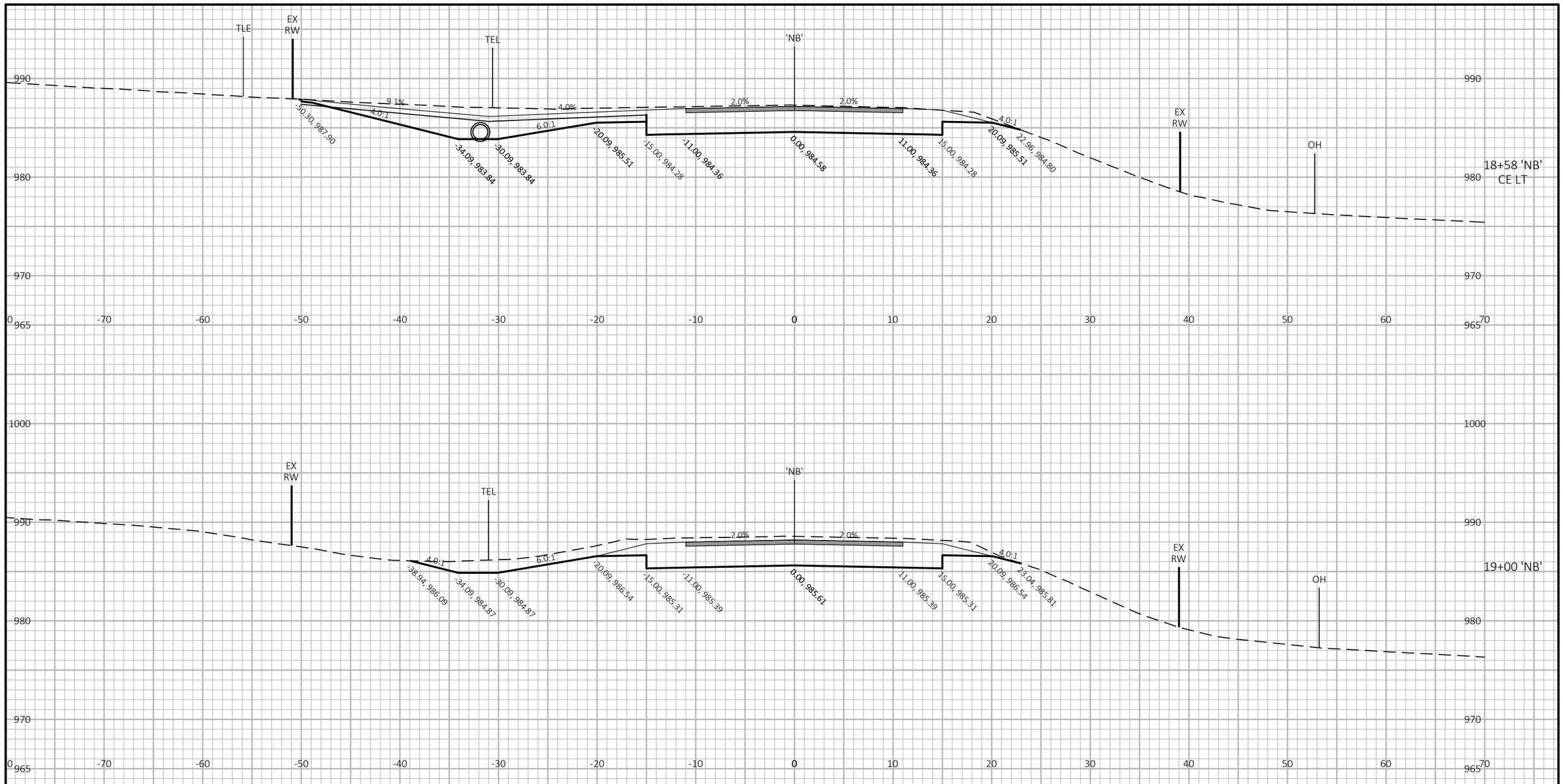
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CTH P 'NB'	SHEET 279	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - P-NB2

PLOT DATE : 4/16/2025 11:23 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49



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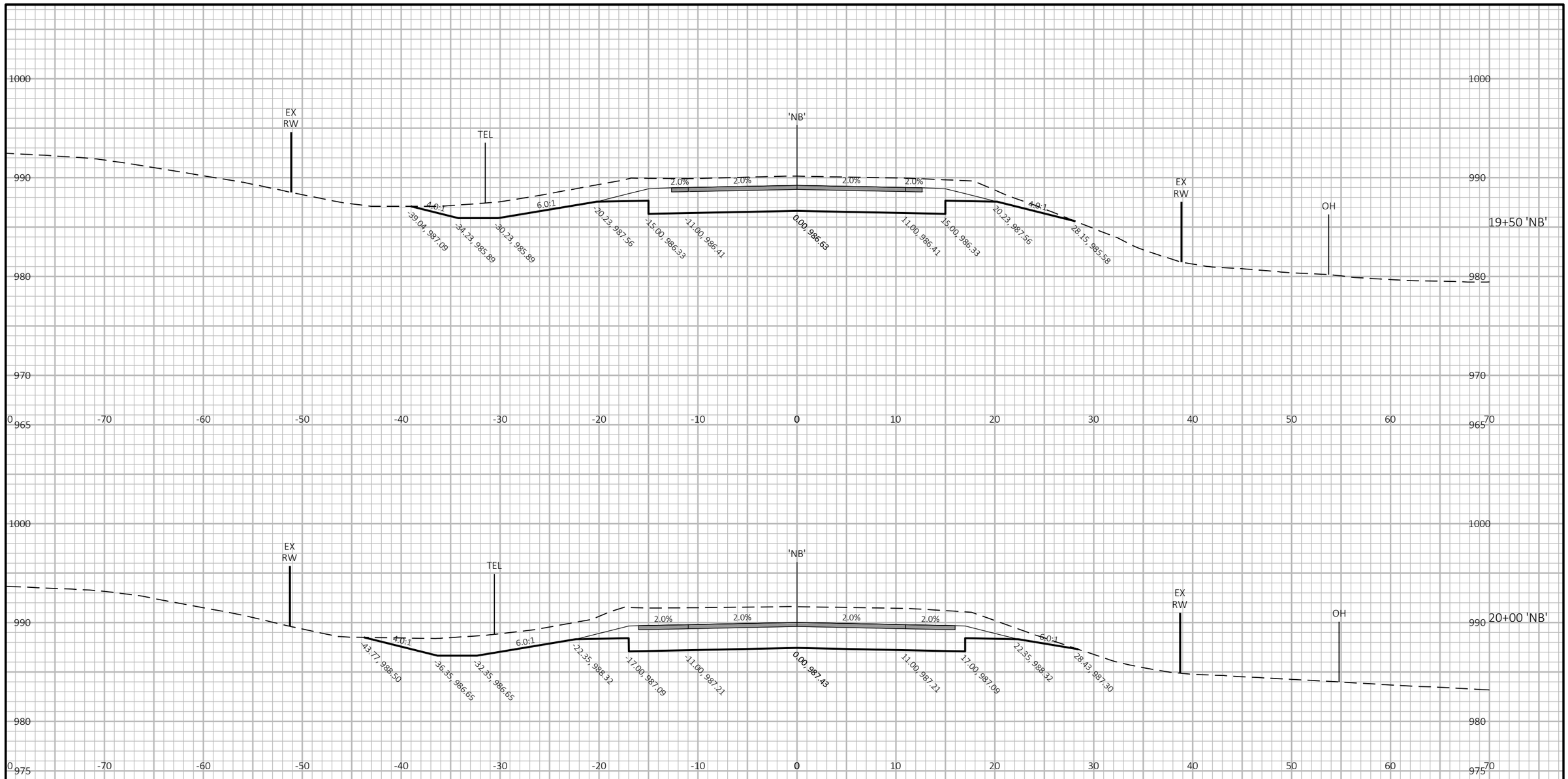
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PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CTH P 'NB'	SHEET 280	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - P-NB3

PLOT DATE : 4/16/2025 11:23 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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



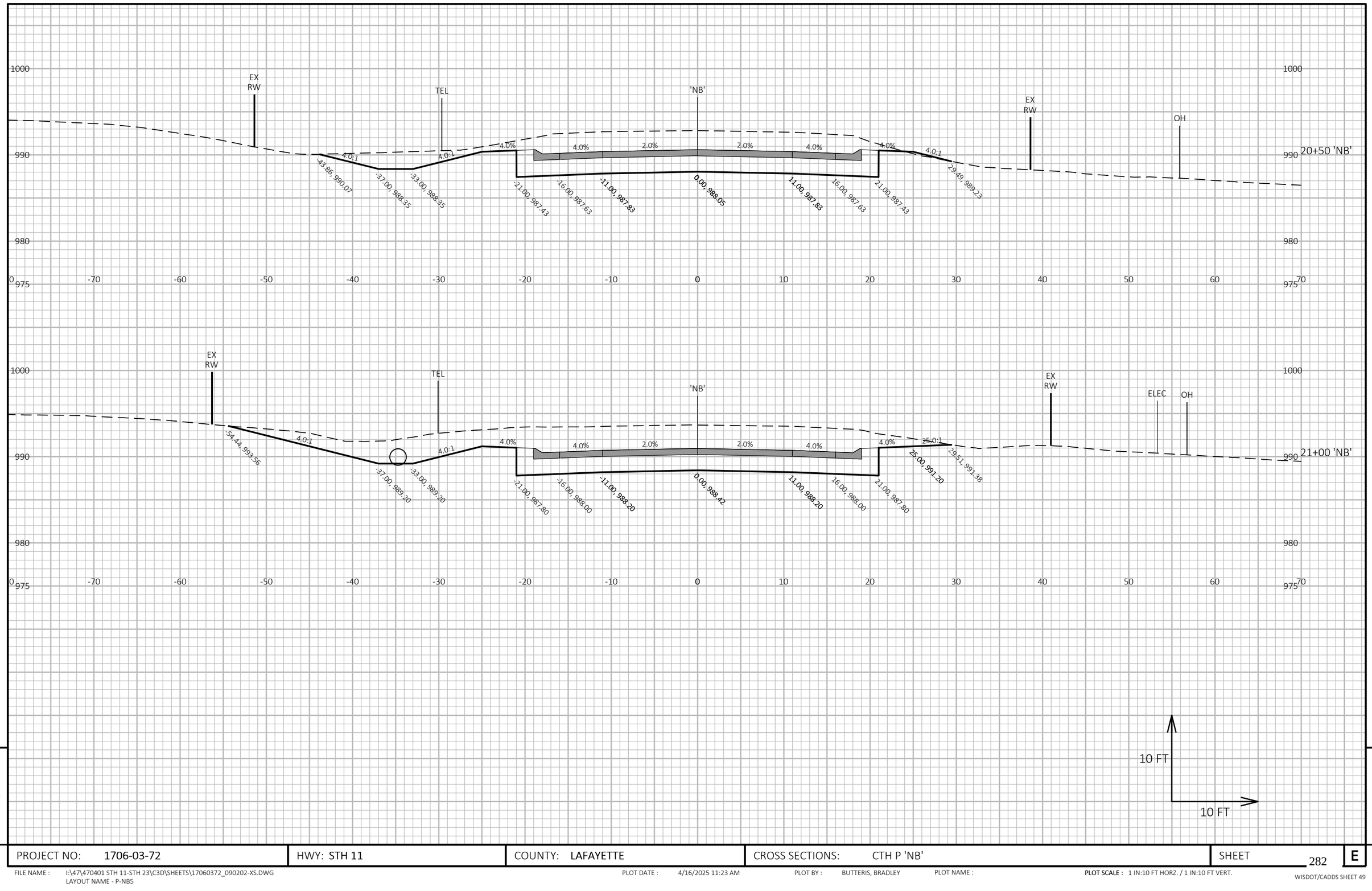
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CTH P 'NB'	SHEET 281 E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - P-NB4

PLOT DATE : 4/16/2025 11:23 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49



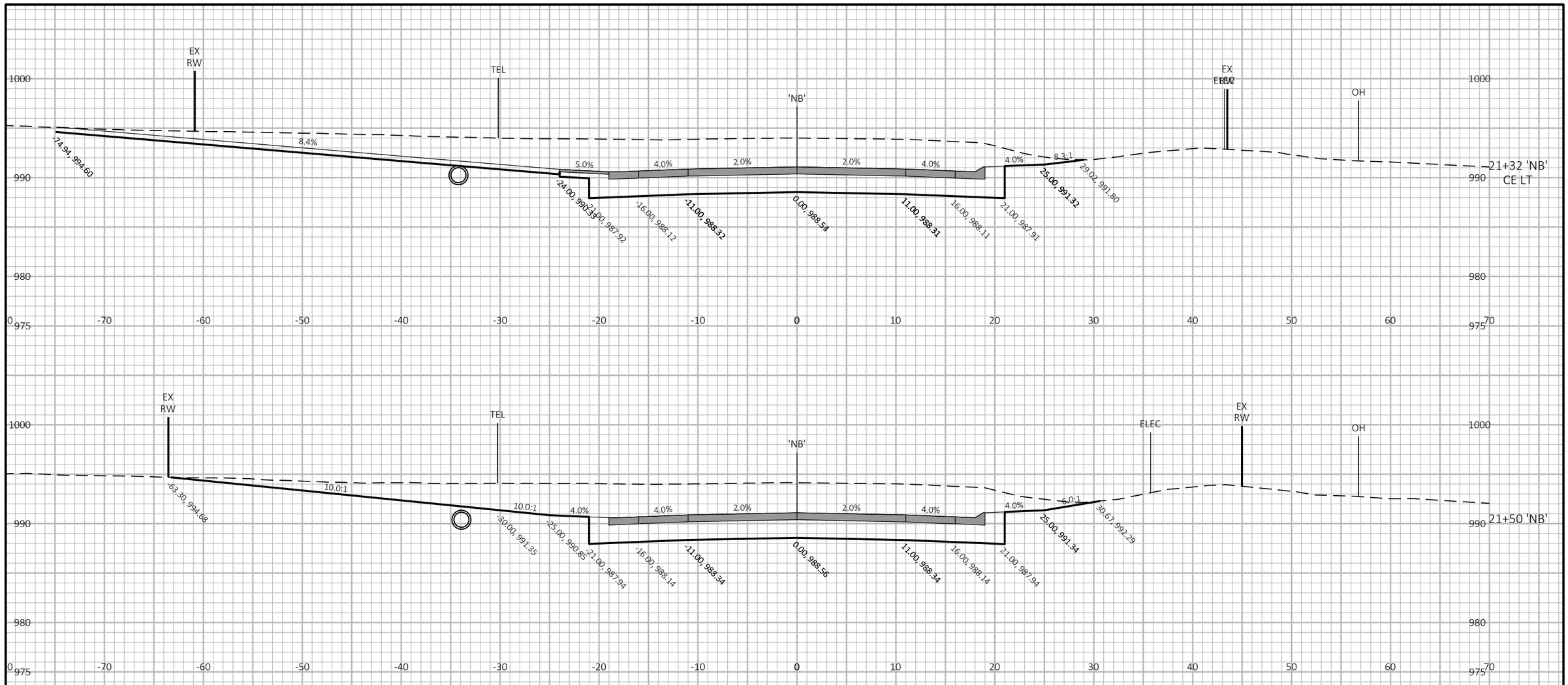
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CTH P 'NB'	SHEET 282	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - P-NB5

PLOT DATE : 4/16/2025 11:23 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49



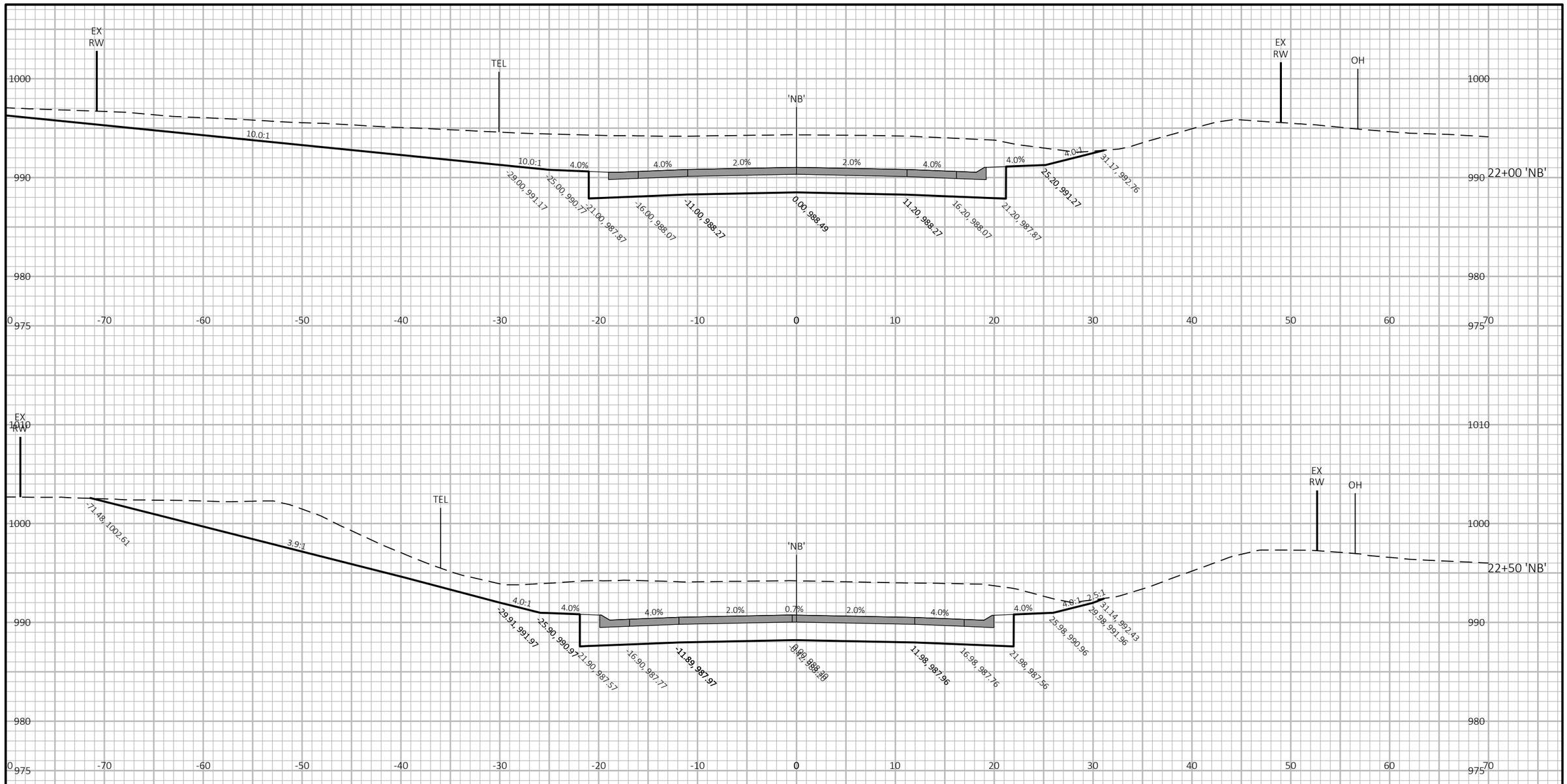
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CTH P 'NB'	SHEET 283	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - P-NB6

PLOT DATE : 4/16/2025 11:23 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49

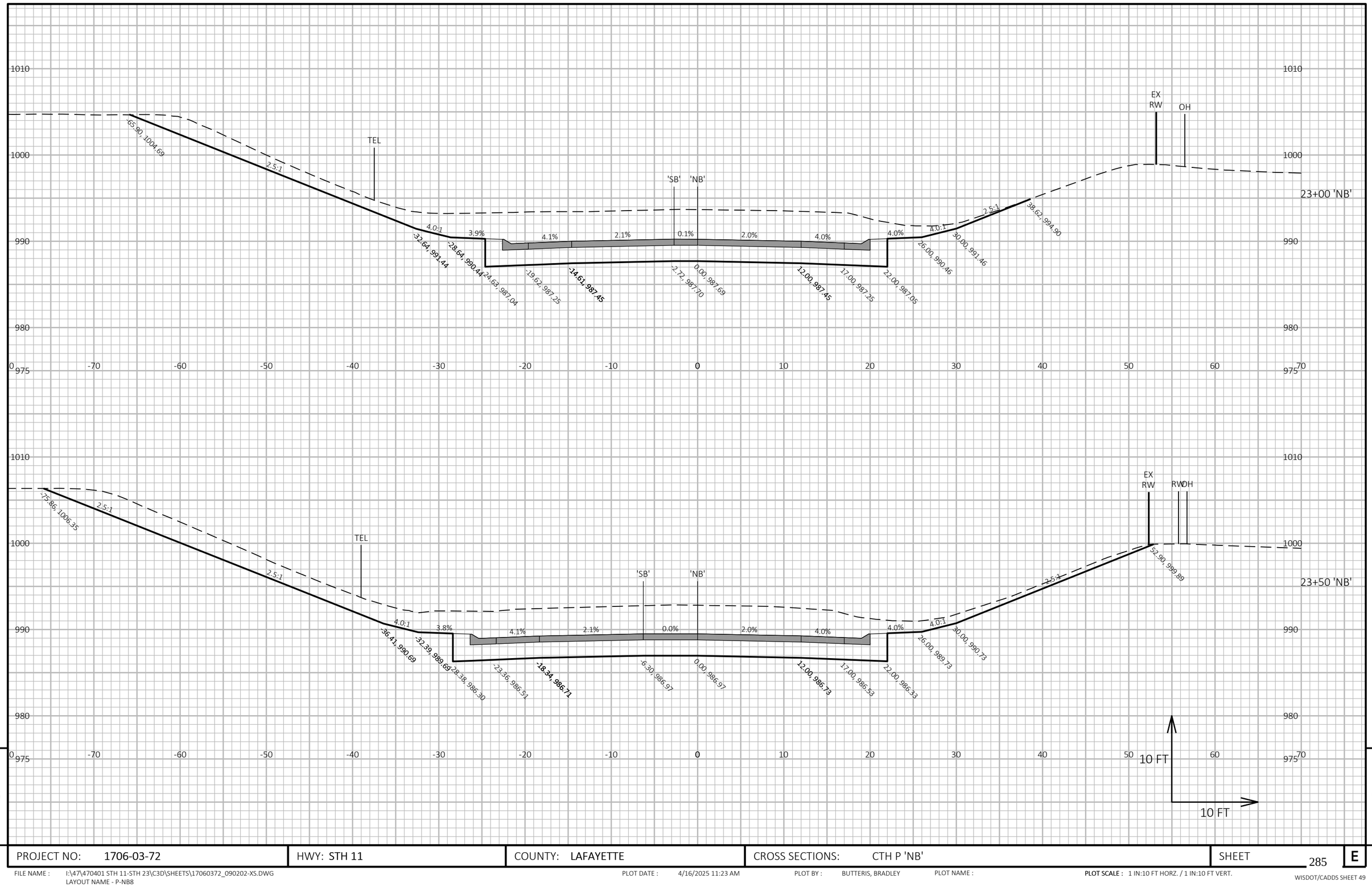


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PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CTH P 'NB'	SHEET 284	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - P-NB7
PLOT DATE : 4/16/2025 11:23 AM
PLOT BY : BUTTERIS, BRADLEY
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



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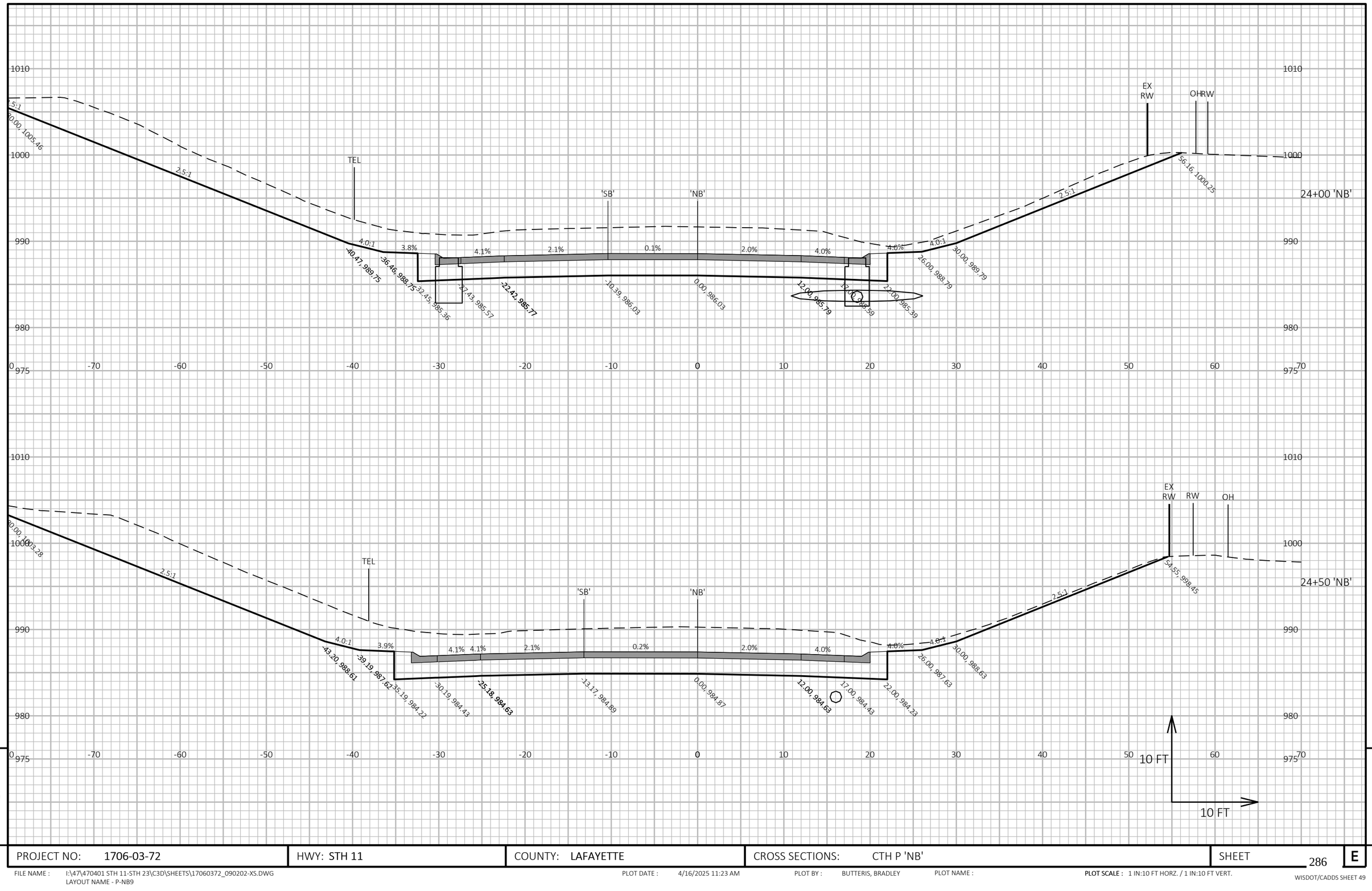
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CTH P 'NB'	SHEET 285	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - P-NB8

PLOT DATE : 4/16/2025 11:23 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49

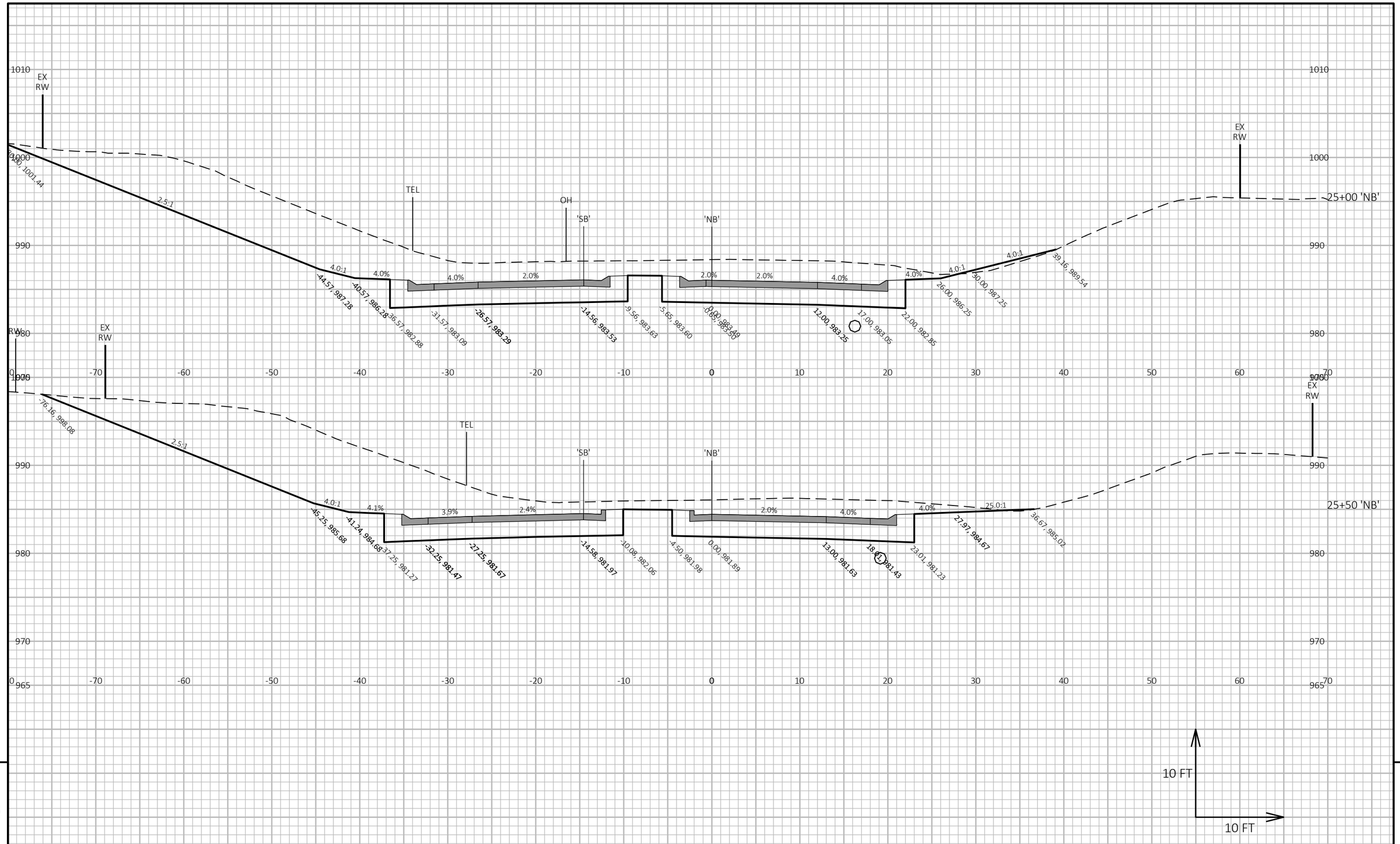


PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CTH P 'NB'	SHEET 286 E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - P-NB9

PLOT DATE : 4/16/2025 11:23 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



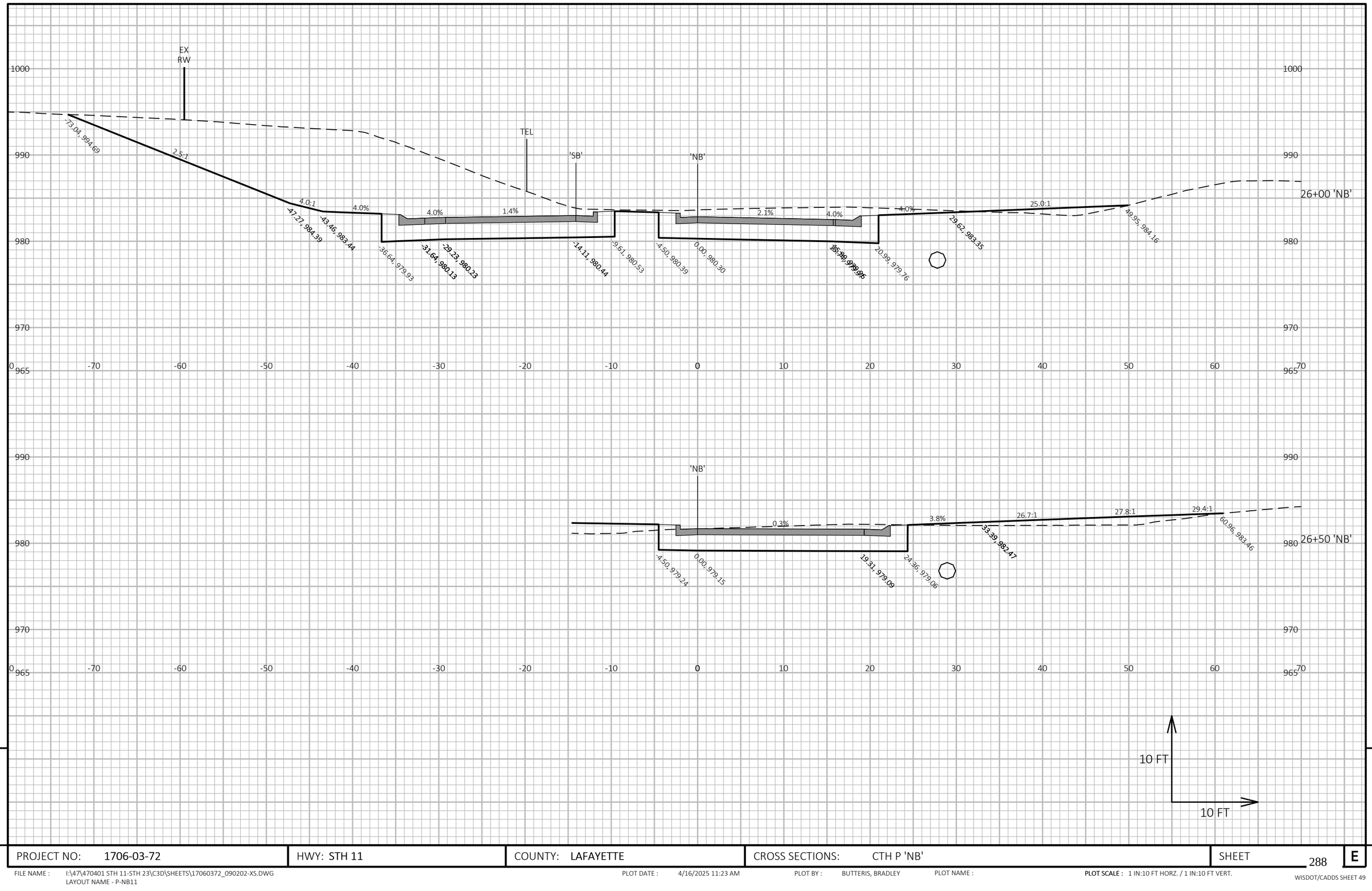
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FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - P-NB10

PLOT DATE : 4/16/2025 11:23 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49



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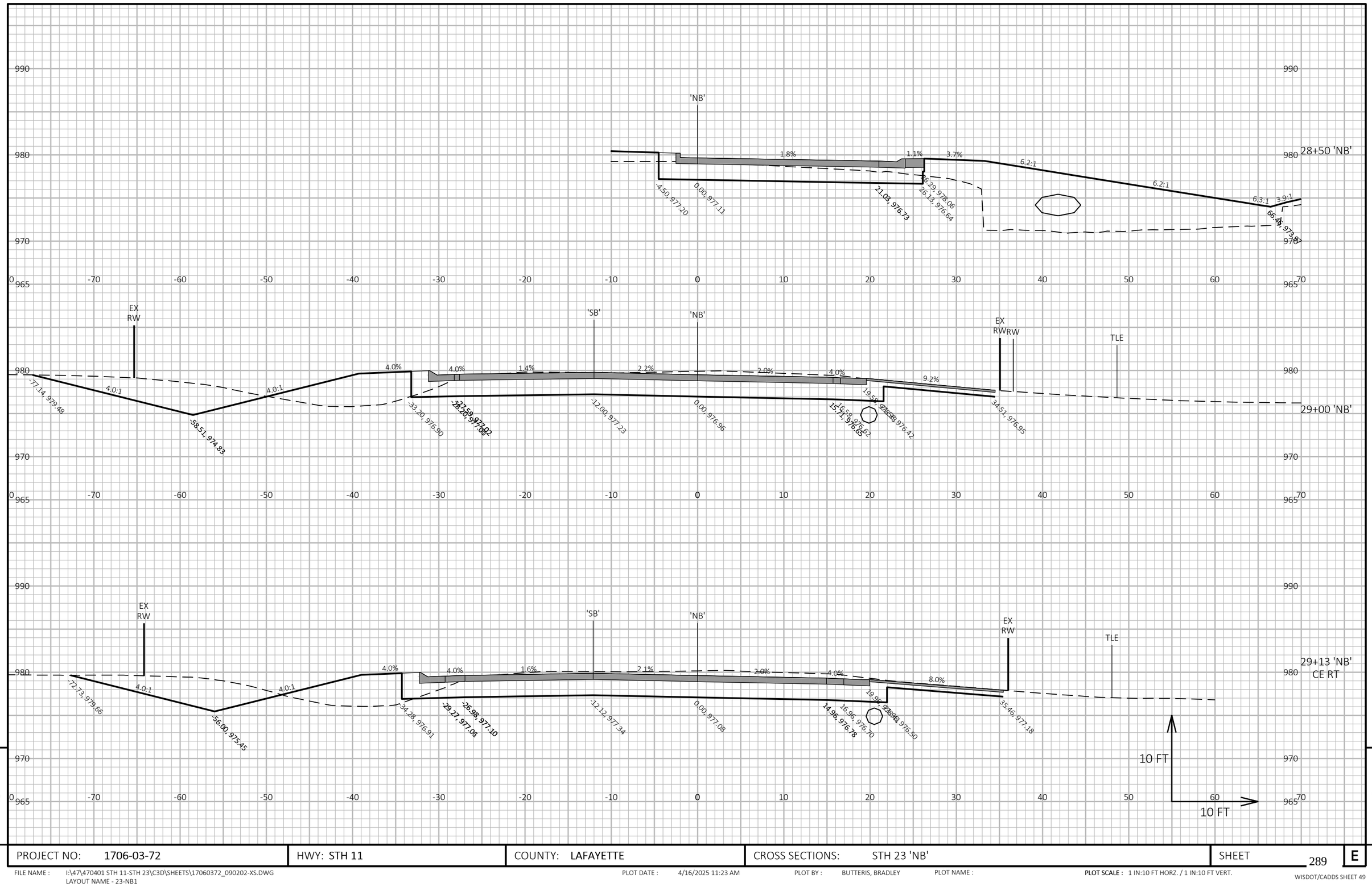
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CTH P 'NB'	SHEET 288	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - P-NB11

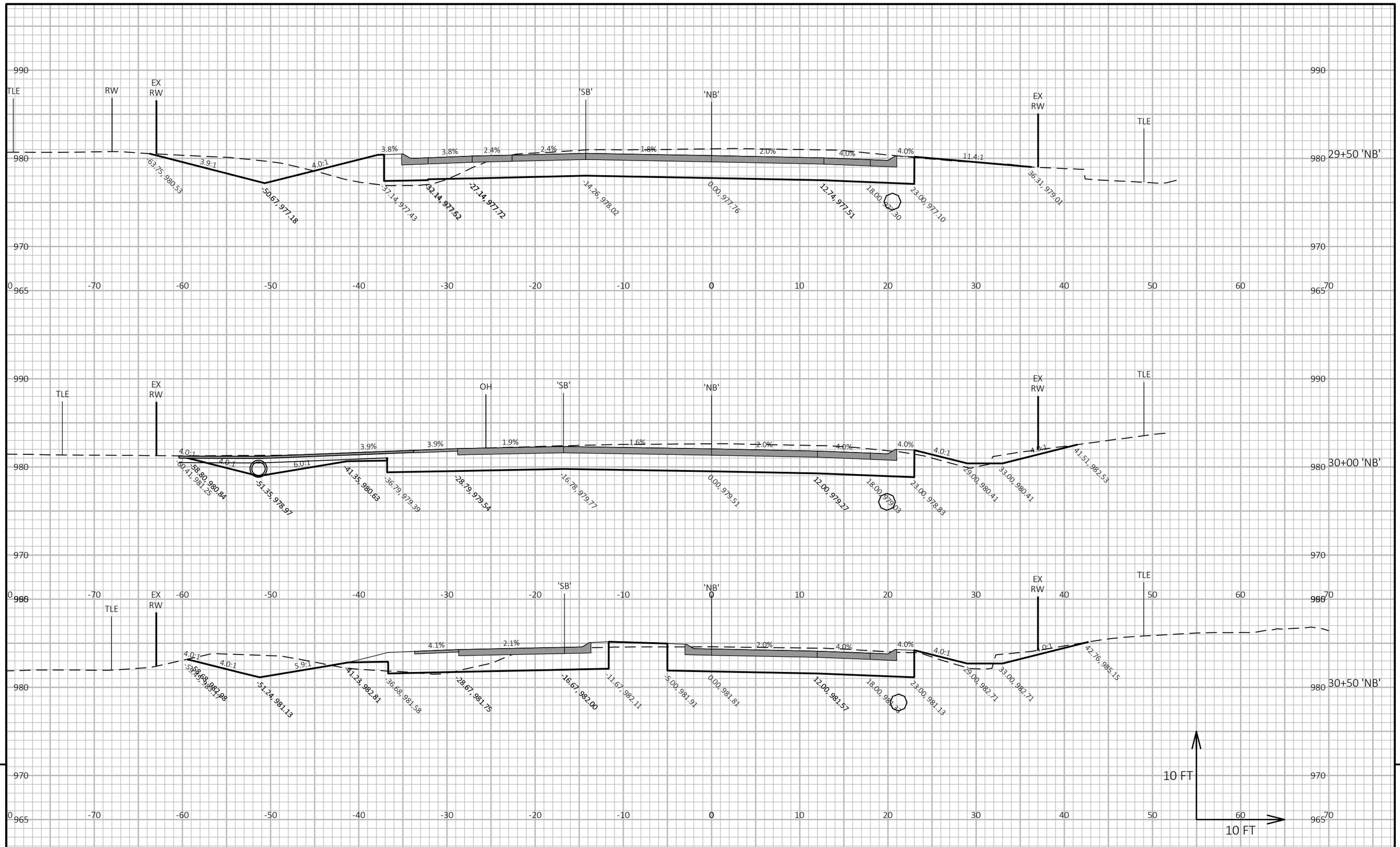
PLOT DATE : 4/16/2025 11:23 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49



PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 23 'NB'	SHEET 289	E



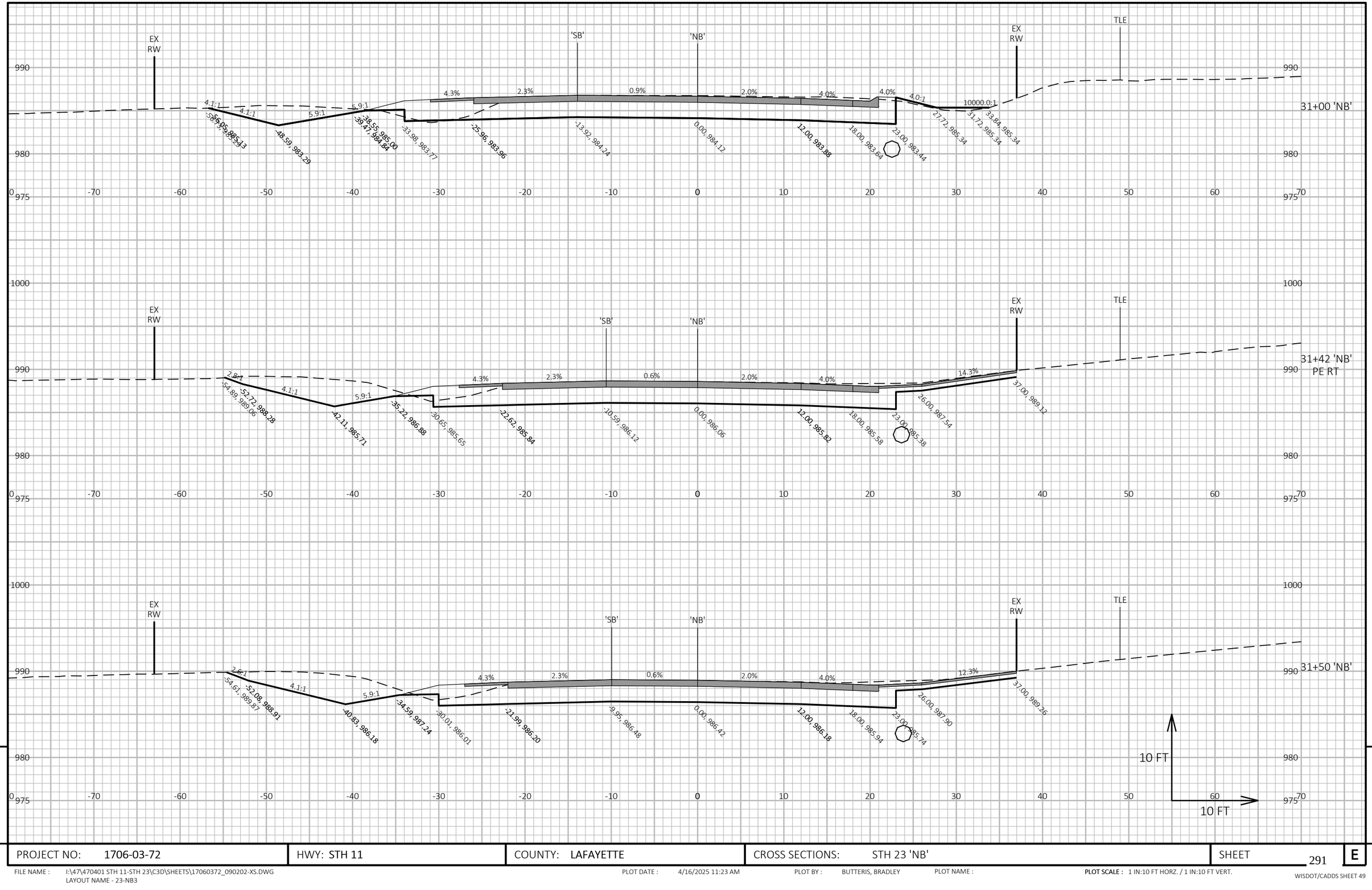
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 23 'NB'	SHEET 290	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 23-NB2

PLOT DATE : 4/16/2025 11:23 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49

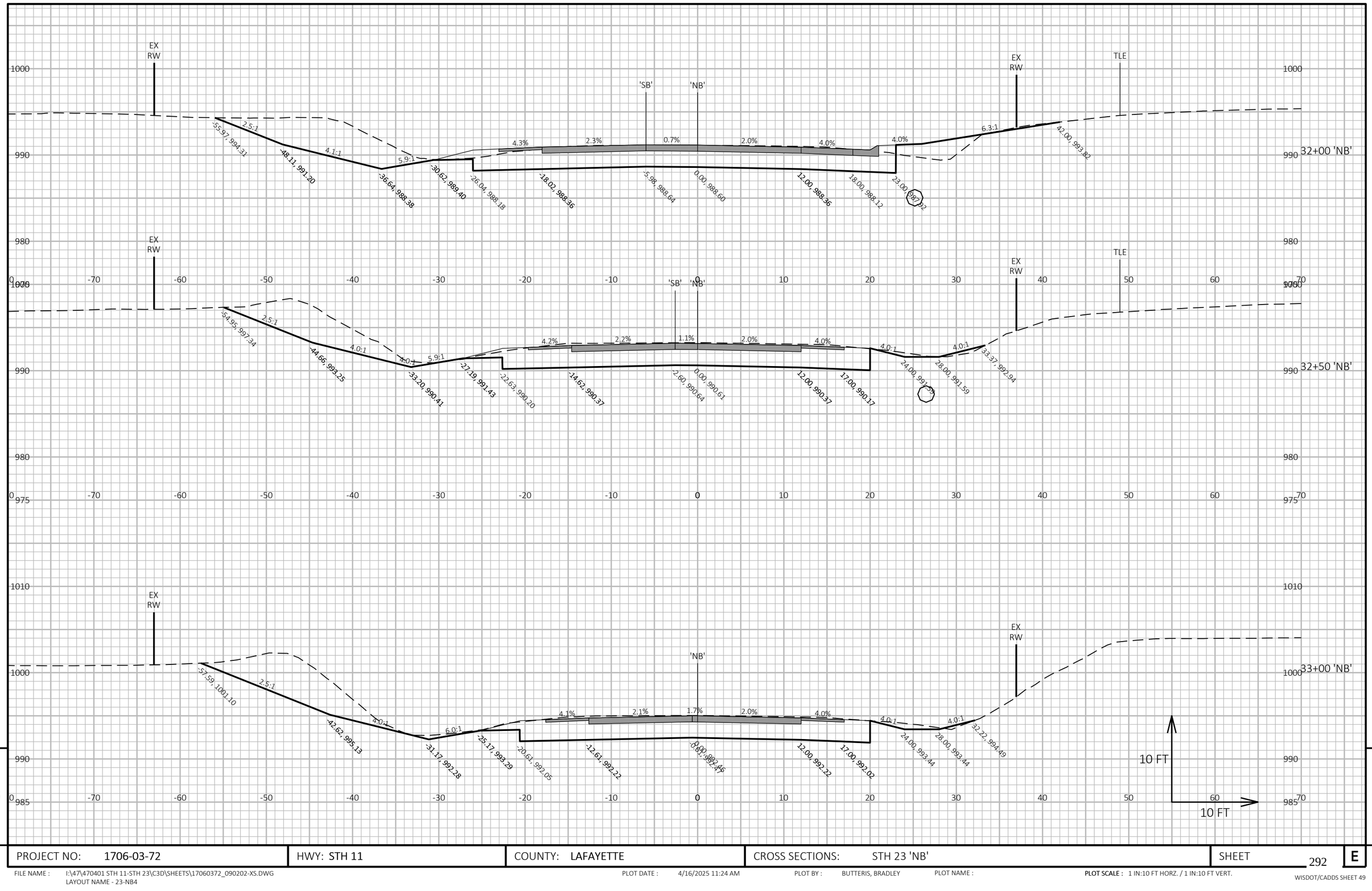


PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 23 'NB'	SHEET 291	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 23-NB3

PLOT DATE : 4/16/2025 11:23 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



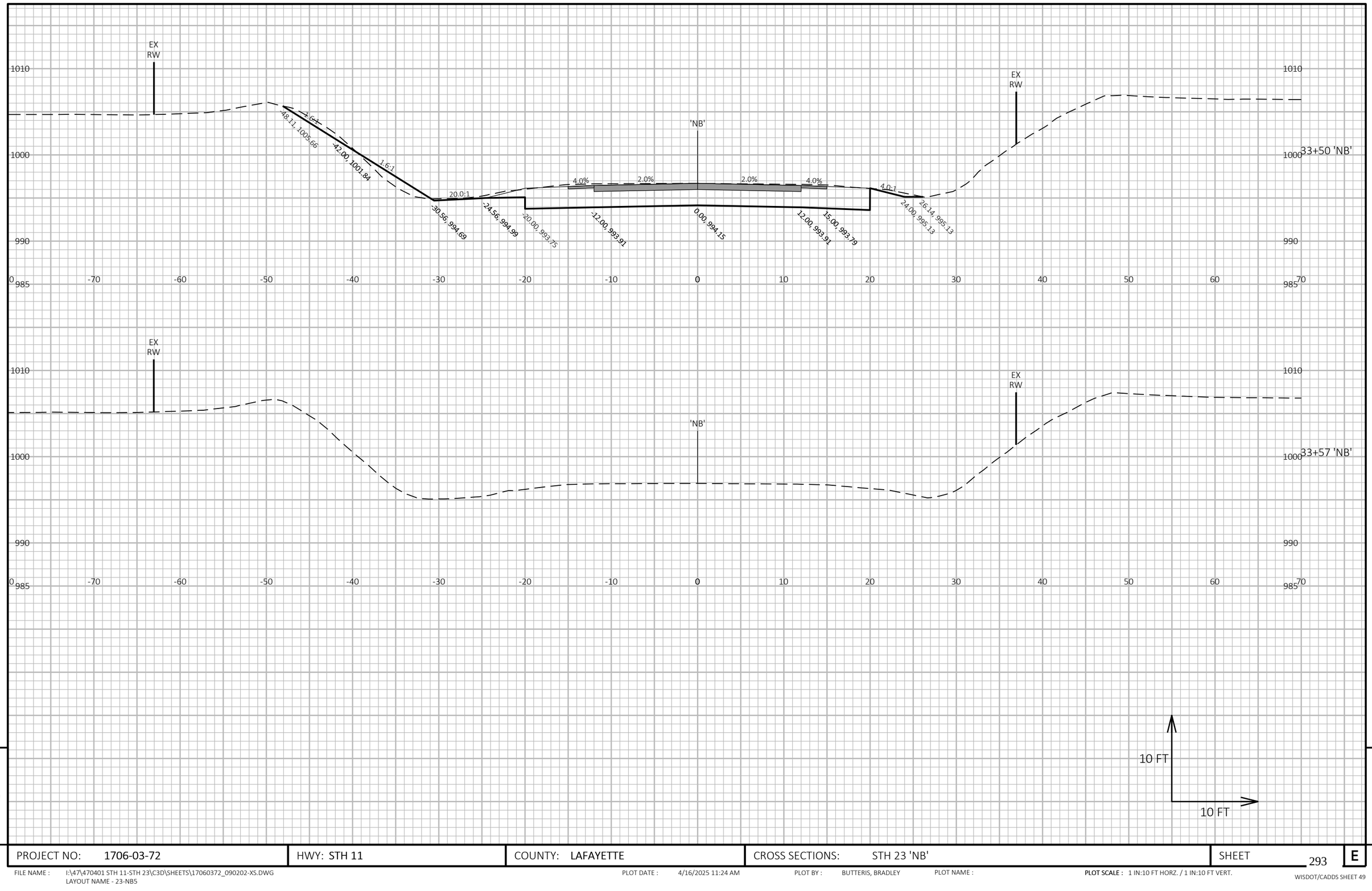
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FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 23-NB4

PLOT DATE : 4/16/2025 11:24 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49



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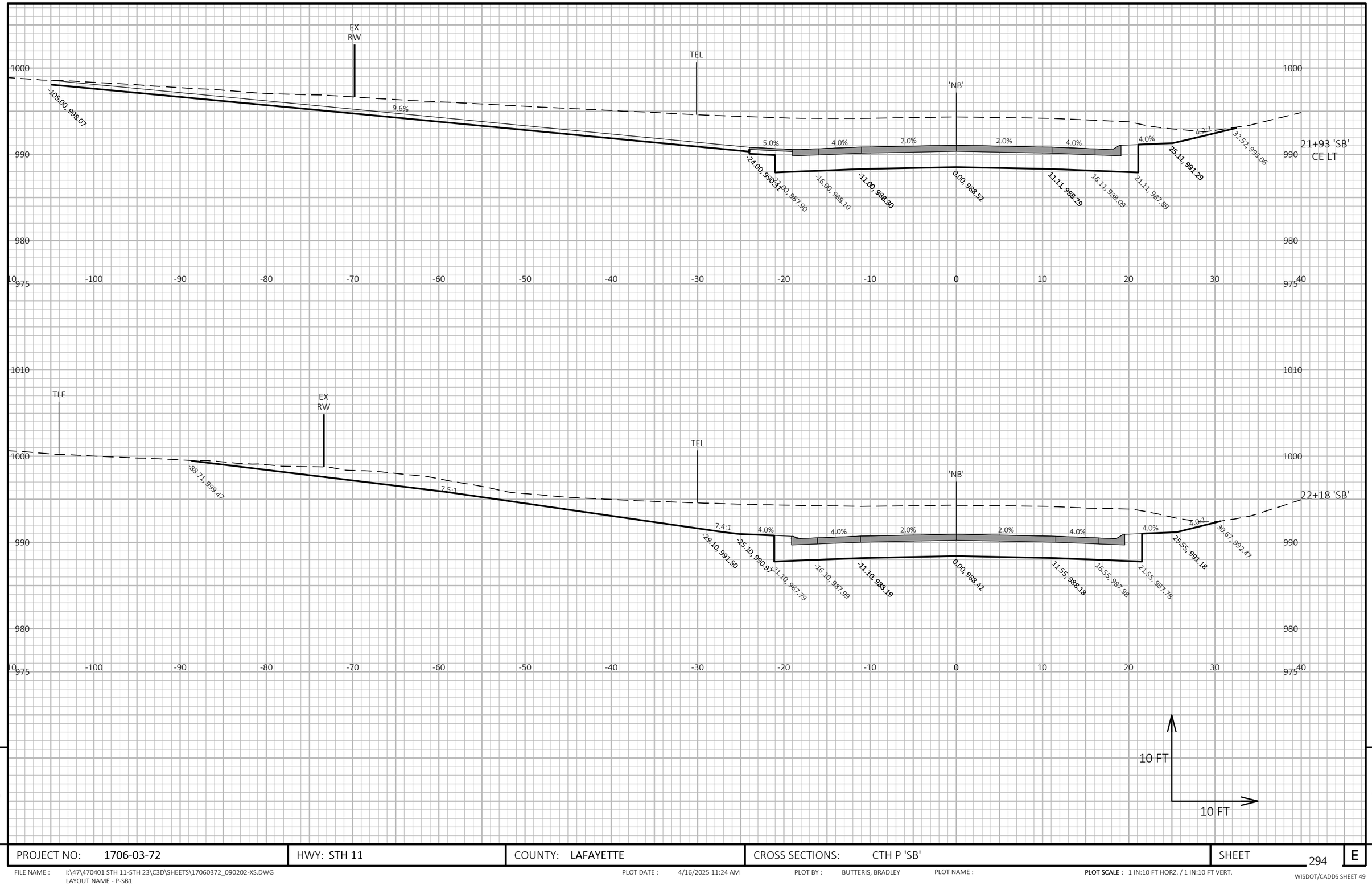
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 23 'NB'	SHEET 293	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 23-NB5

PLOT DATE : 4/16/2025 11:24 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

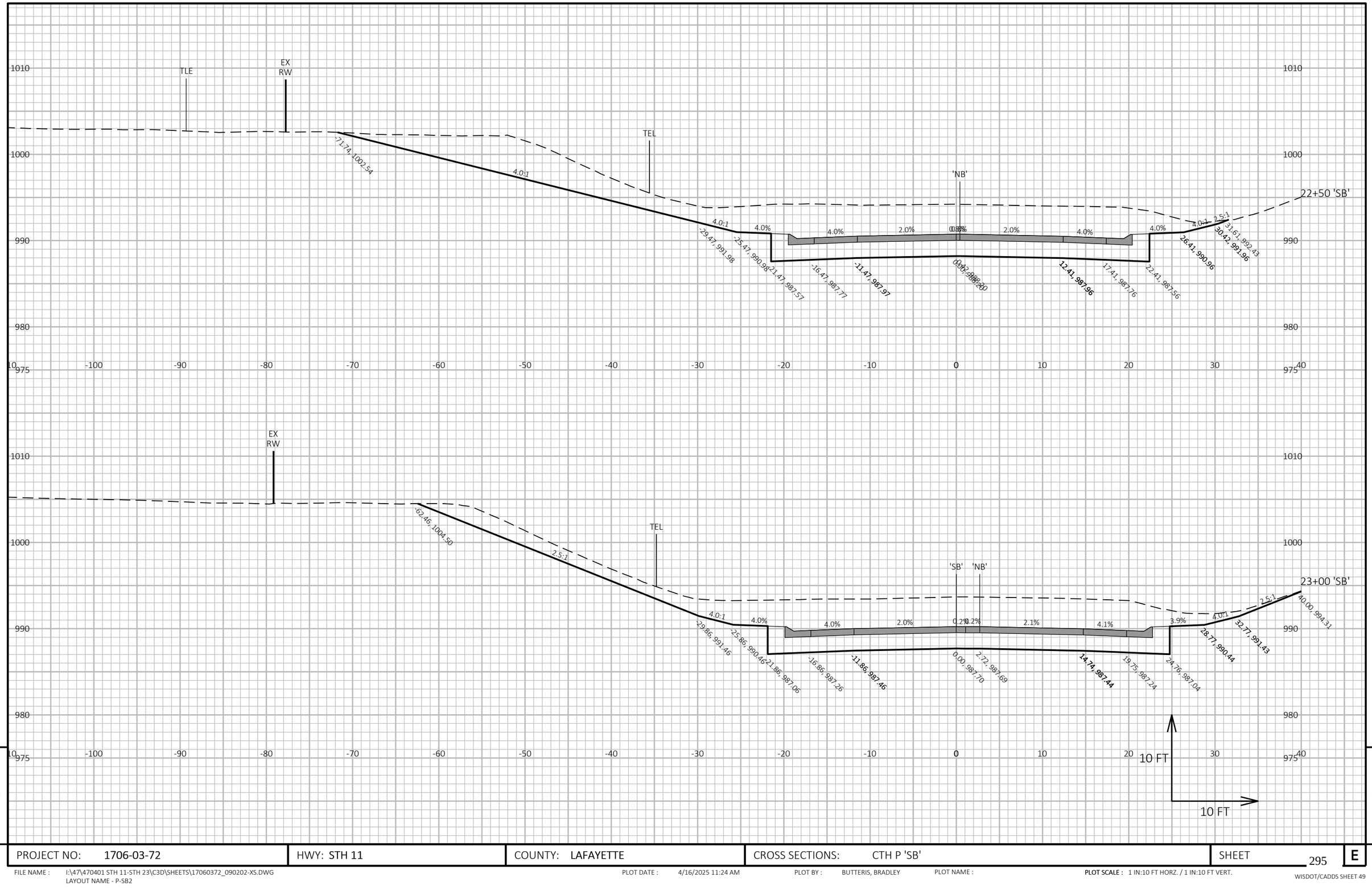
WISDOT/CADDS SHEET 49



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PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CTH P 'SB'	SHEET 294	E



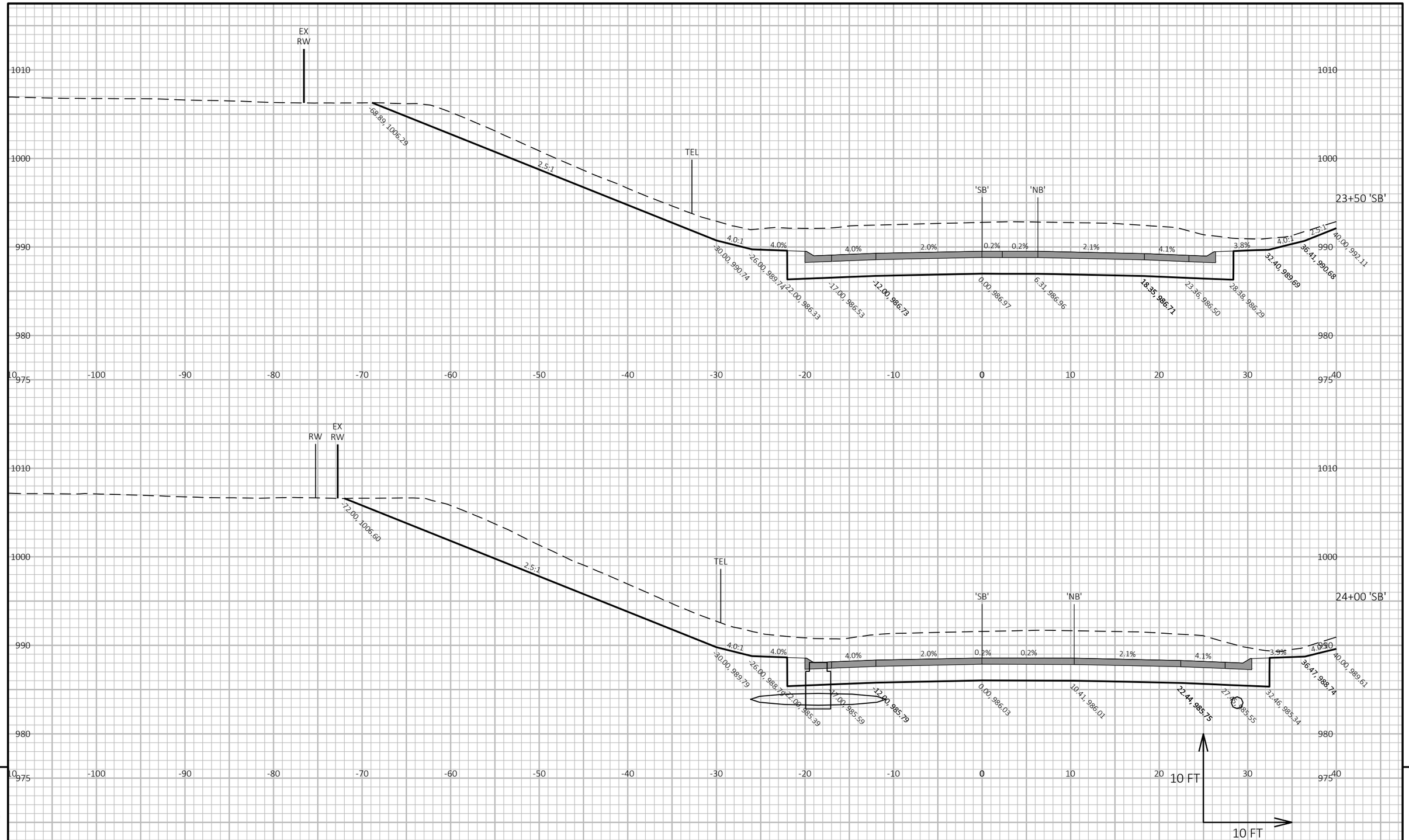
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CTH P 'SB'	SHEET 295 E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - P-SB2

PLOT DATE : 4/16/2025 11:24 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49

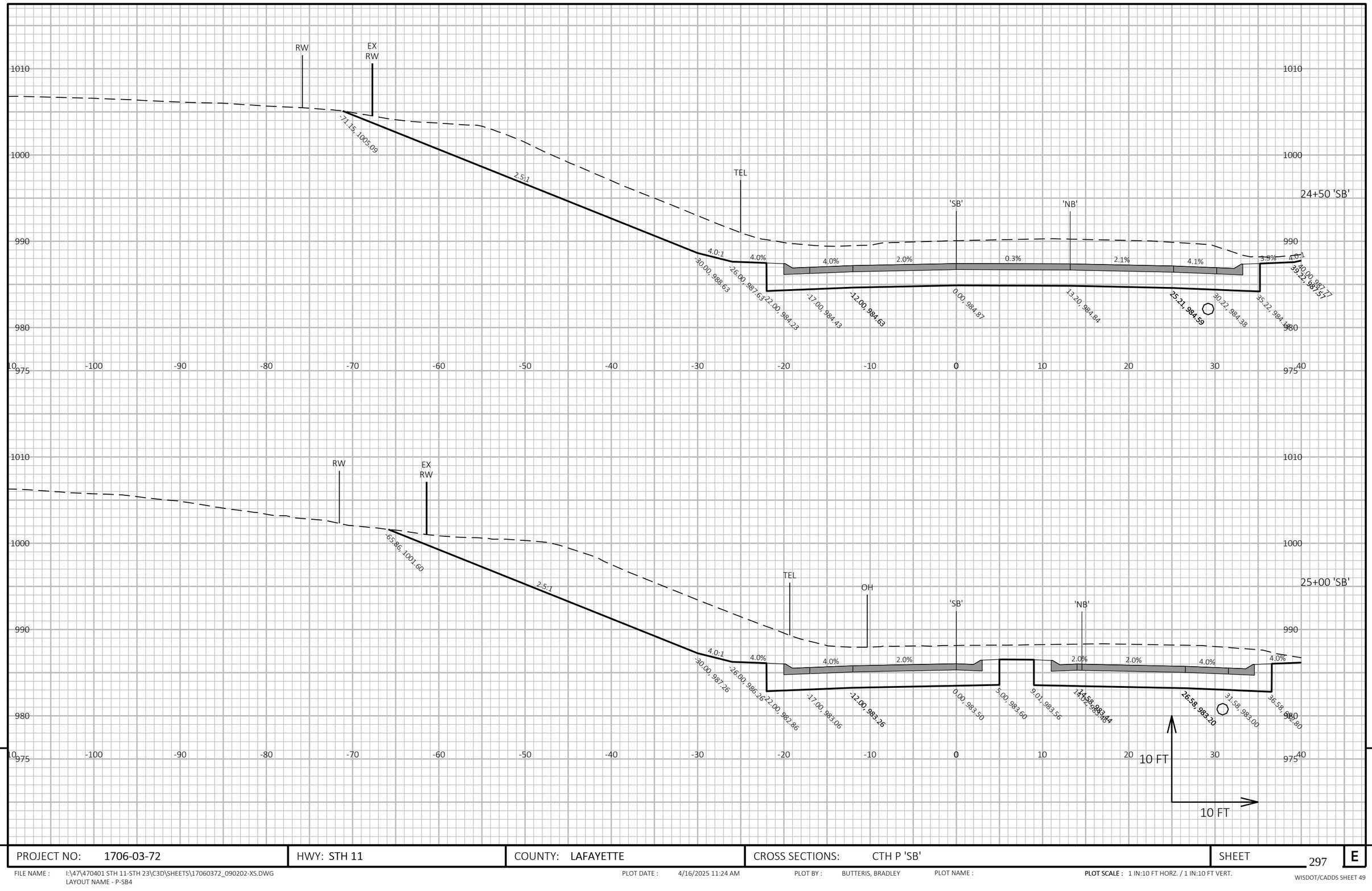


PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CTH P 'SB'	SHEET 296 E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - P-SB3

PLOT DATE : 4/16/2025 11:24 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



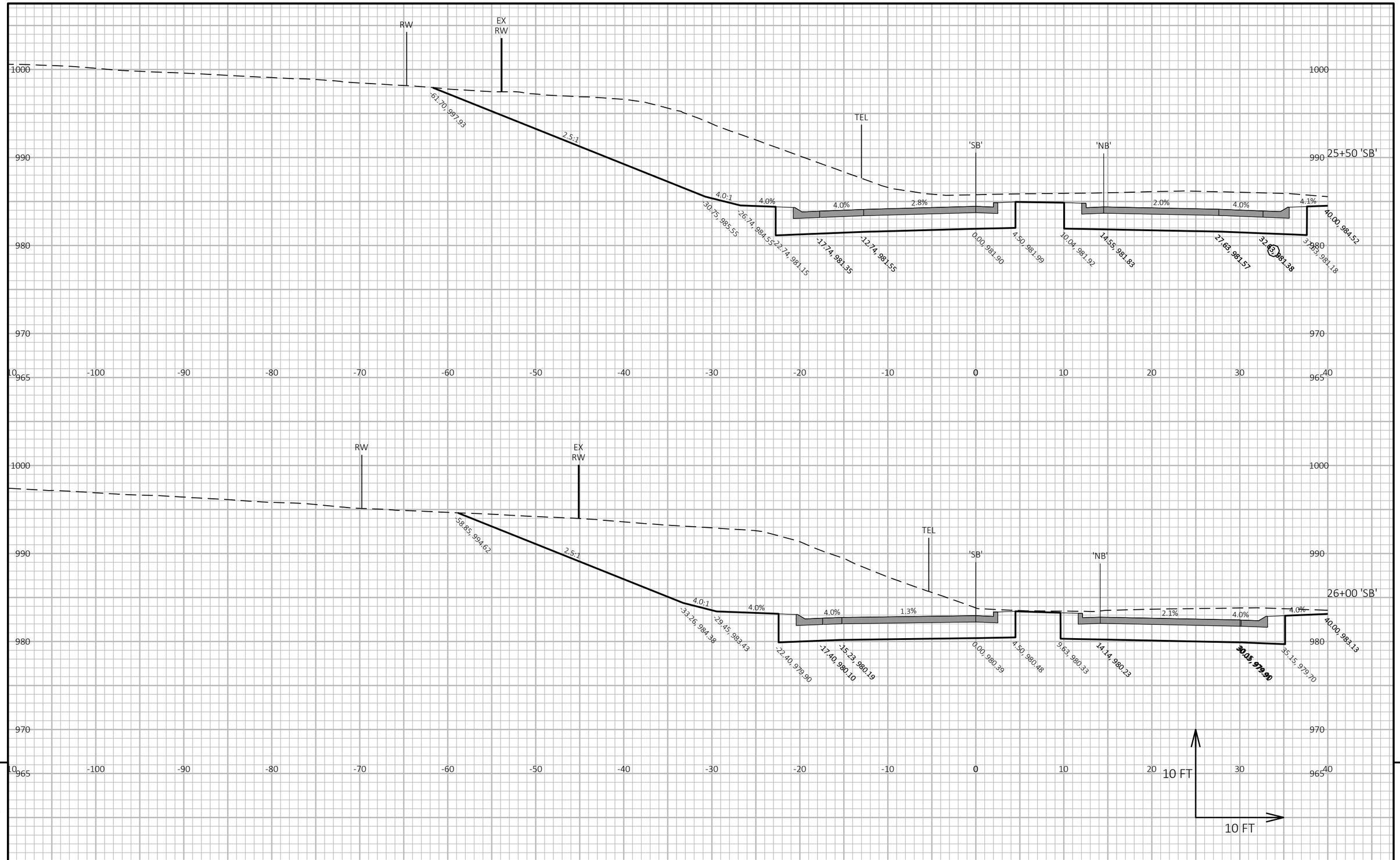
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CTH P 'SB'	SHEET 297	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - P-SB4

PLOT DATE : 4/16/2025 11:24 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49



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PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CTH P 'SB'	SHEET 298	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - P-SB5

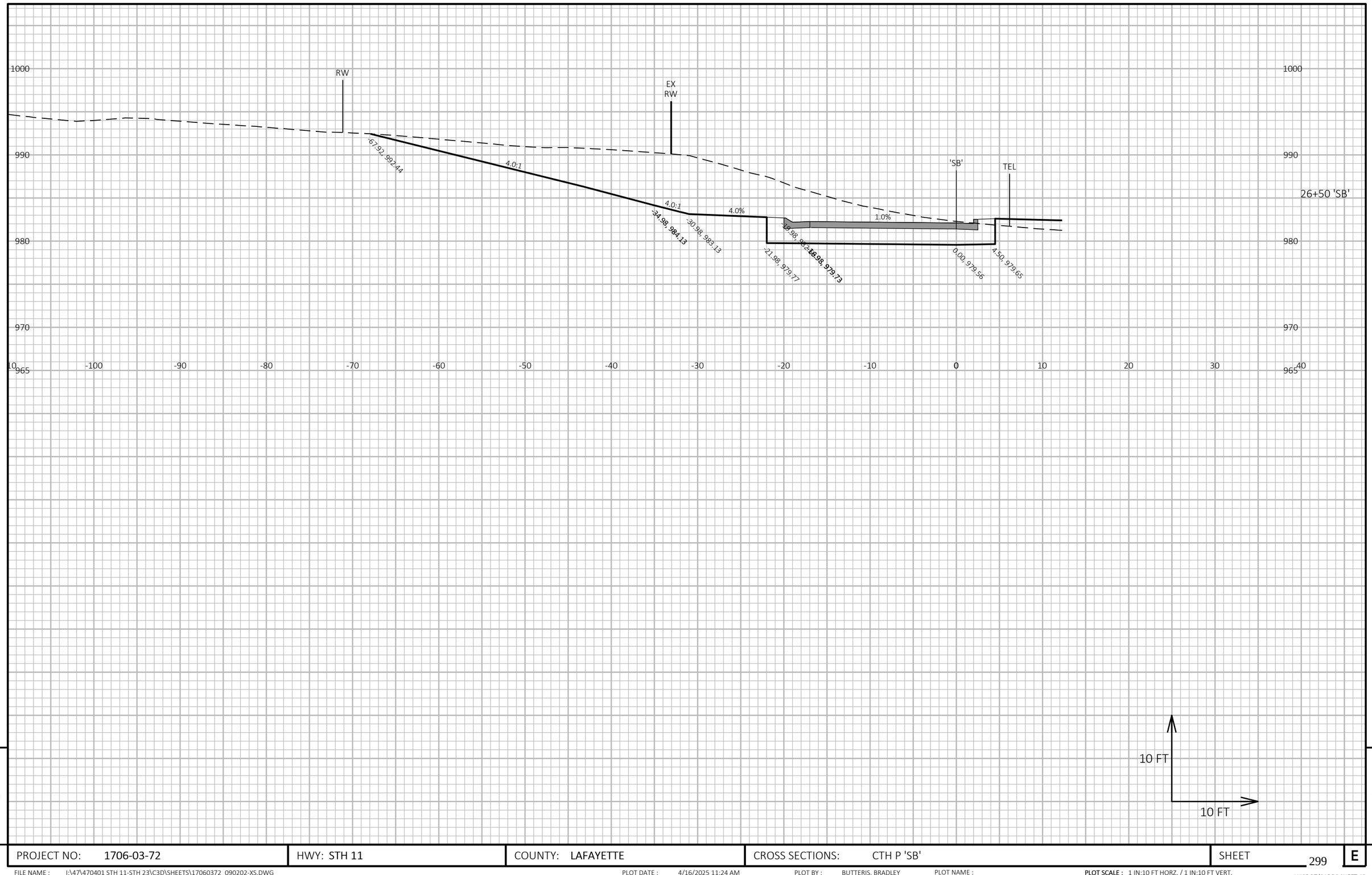
PLOT DATE : 4/16/2025 11:24 AM

PLOT BY : BUTTERIS, BRADLEY

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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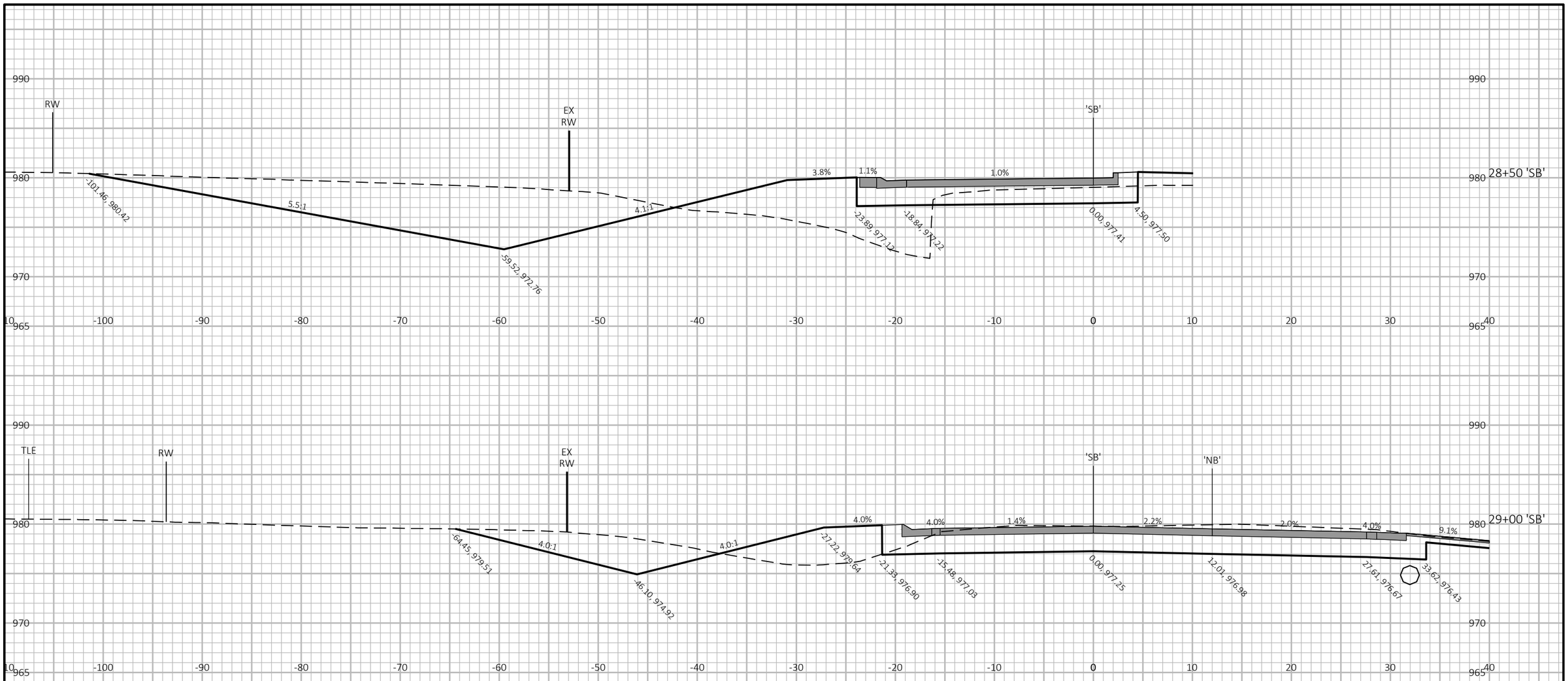
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CTH P 'SB'	SHEET 299	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - P-SB6

PLOT DATE : 4/16/2025 11:24 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49



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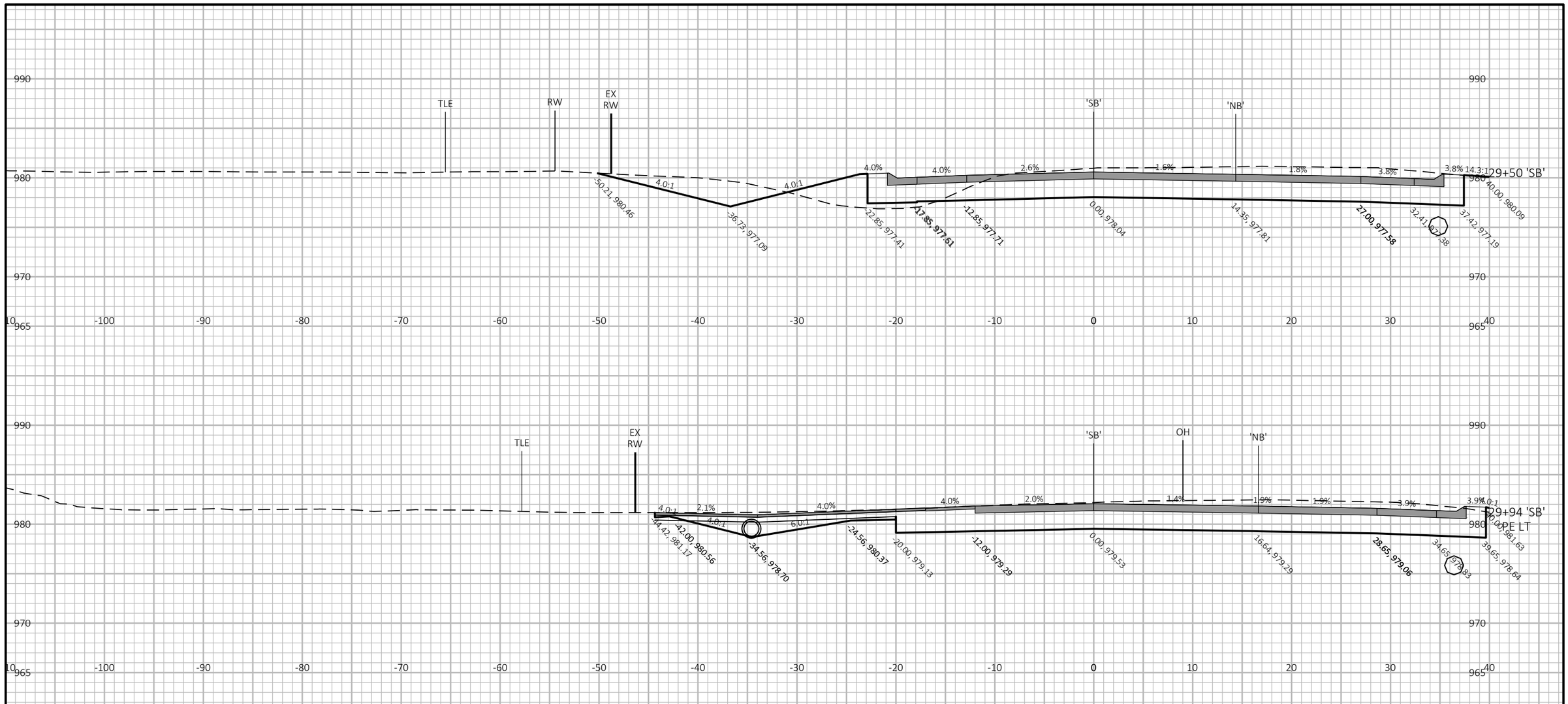
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PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 23 'SB'	SHEET 300	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 23-SB1

PLOT DATE : 4/16/2025 11:25 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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



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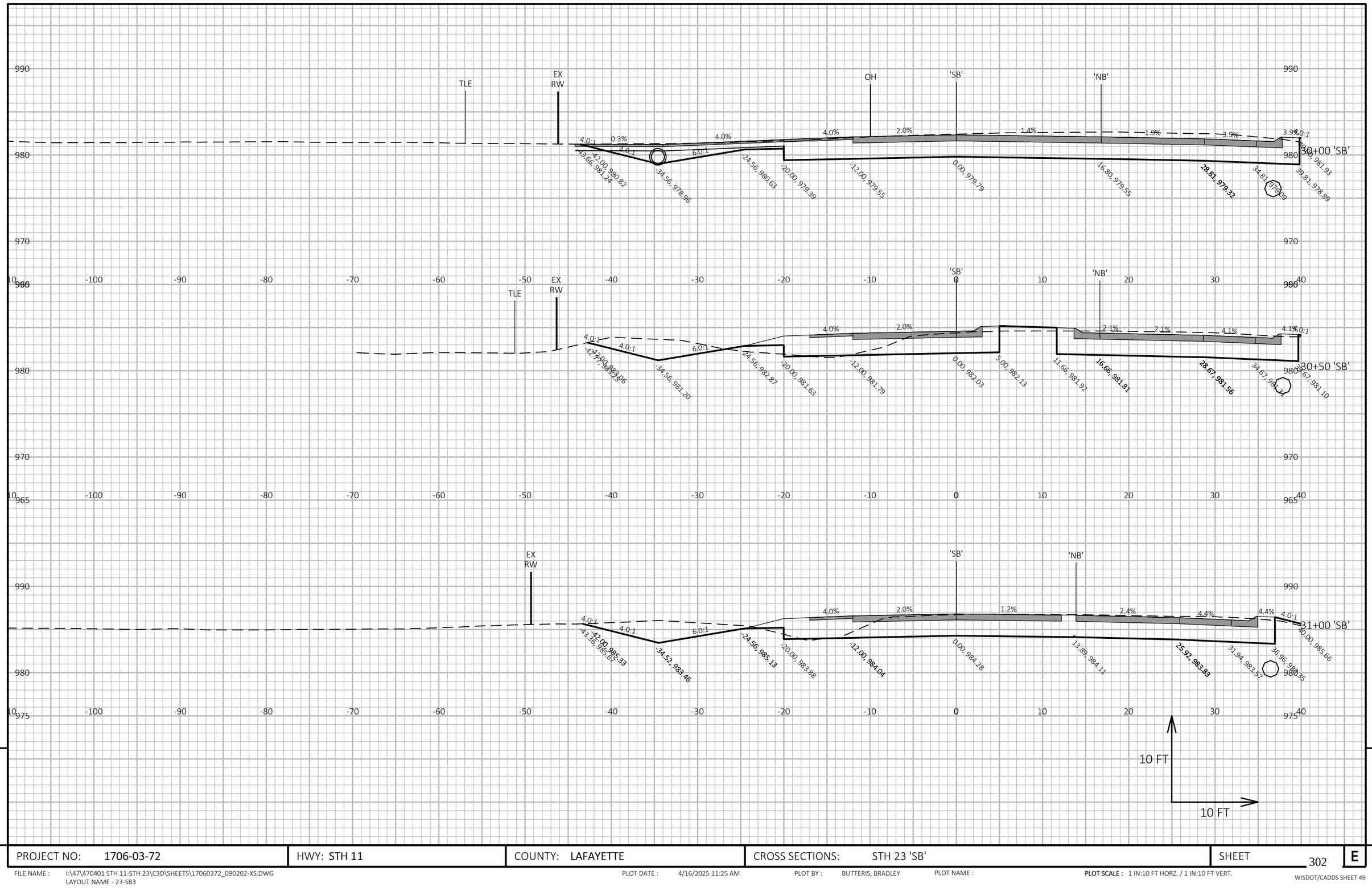
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 23 'SB'	SHEET 301	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 23-SB2

PLOT DATE : 4/16/2025 11:25 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

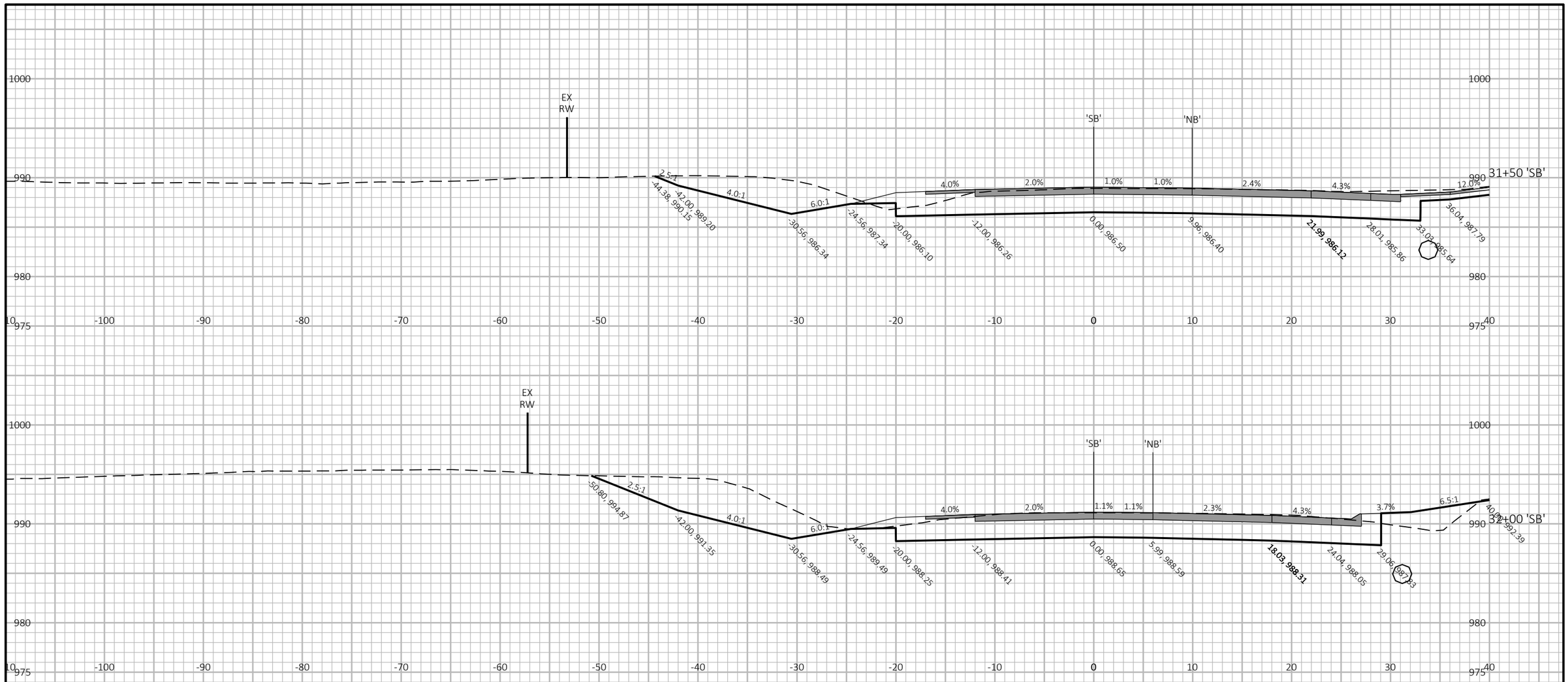
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 23 'SB'	SHEET 302	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 23-SB3
PLOT DATE : 4/16/2025 11:25 AM
PLOT BY : BUTTERIS, BRADLEY
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



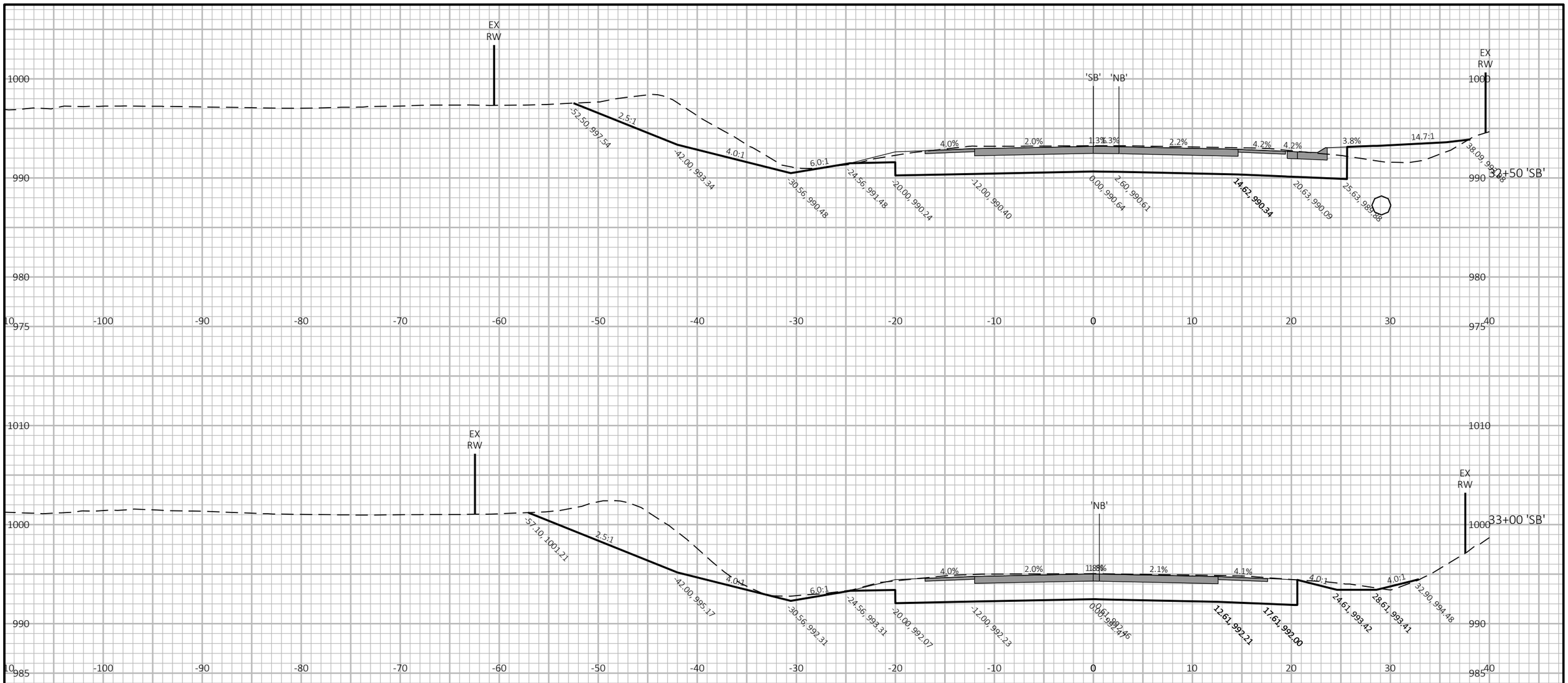
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FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 23-SB4

PLOT DATE : 4/16/2025 11:25 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49



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PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 23 'SB'	SHEET 304	E

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FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090202-XS.DWG
LAYOUT NAME - 23-SB5

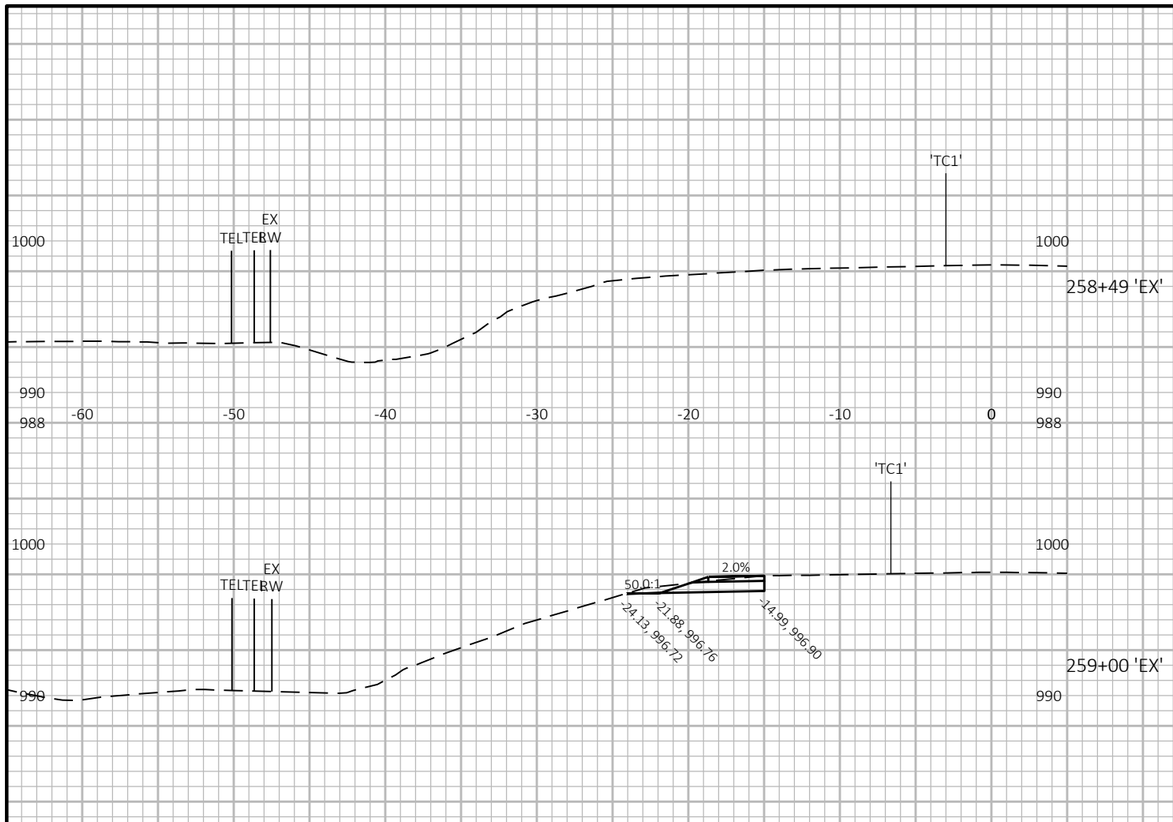
PLOT DATE : 4/16/2025 11:25 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

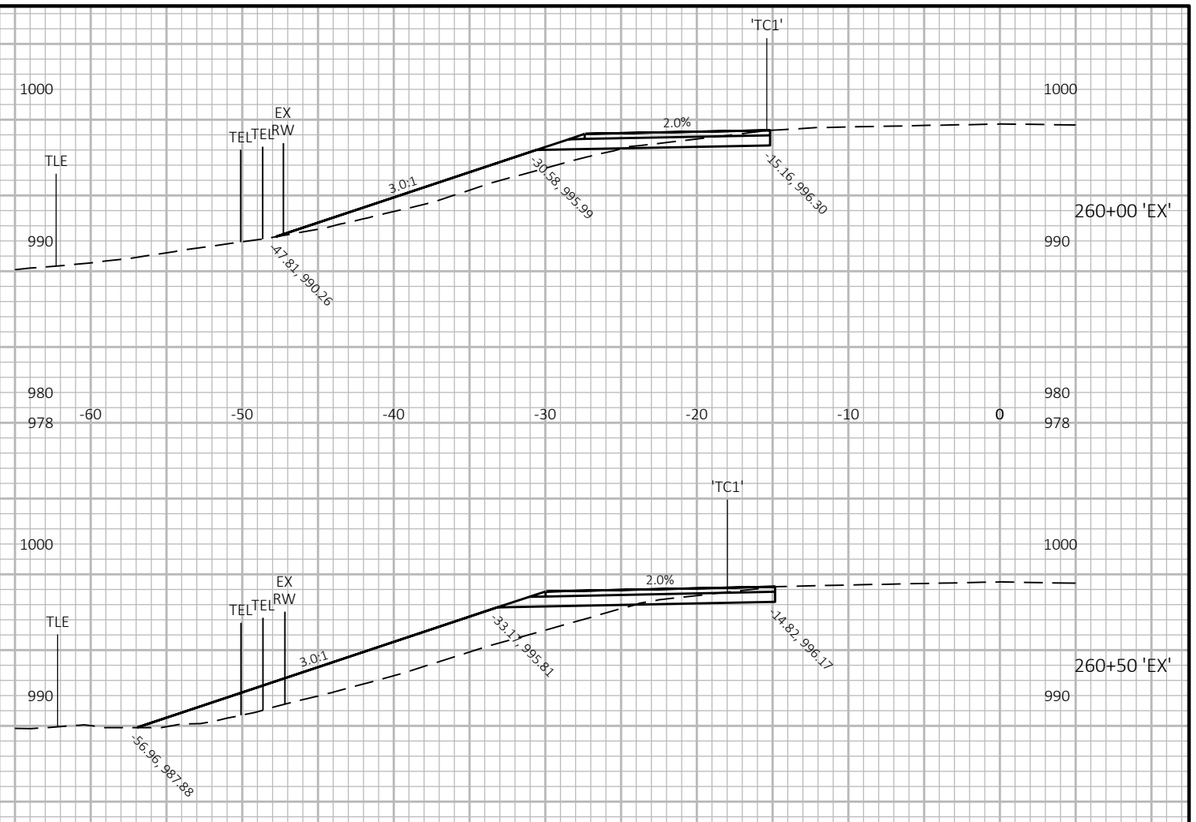
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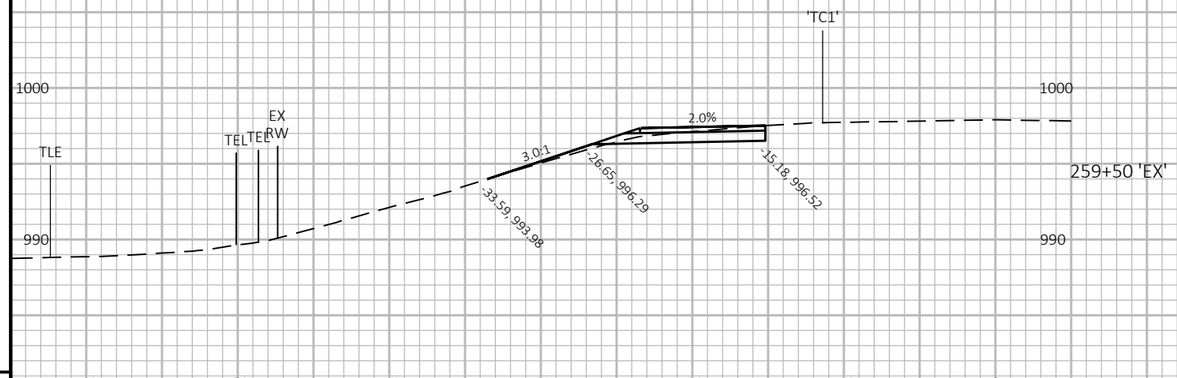
WISDOT/CADDS SHEET 49

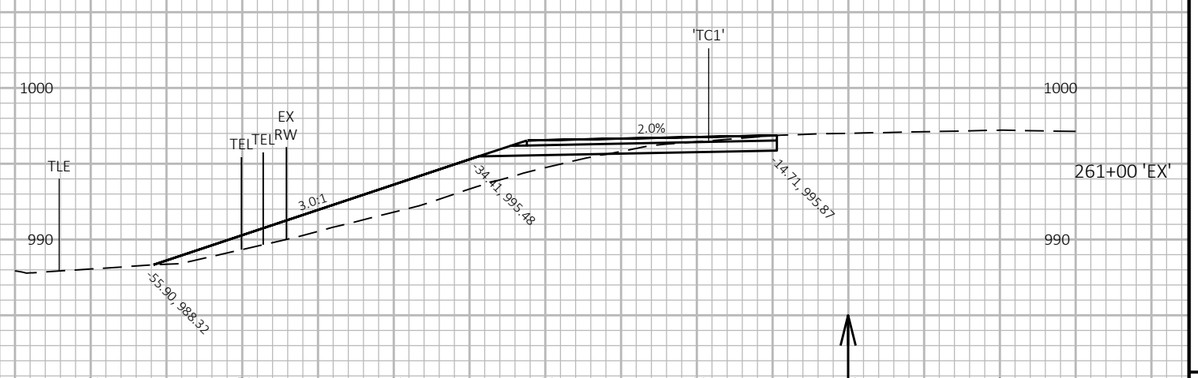


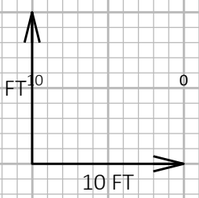
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: STH 23 'SB'	SHEET 305	E











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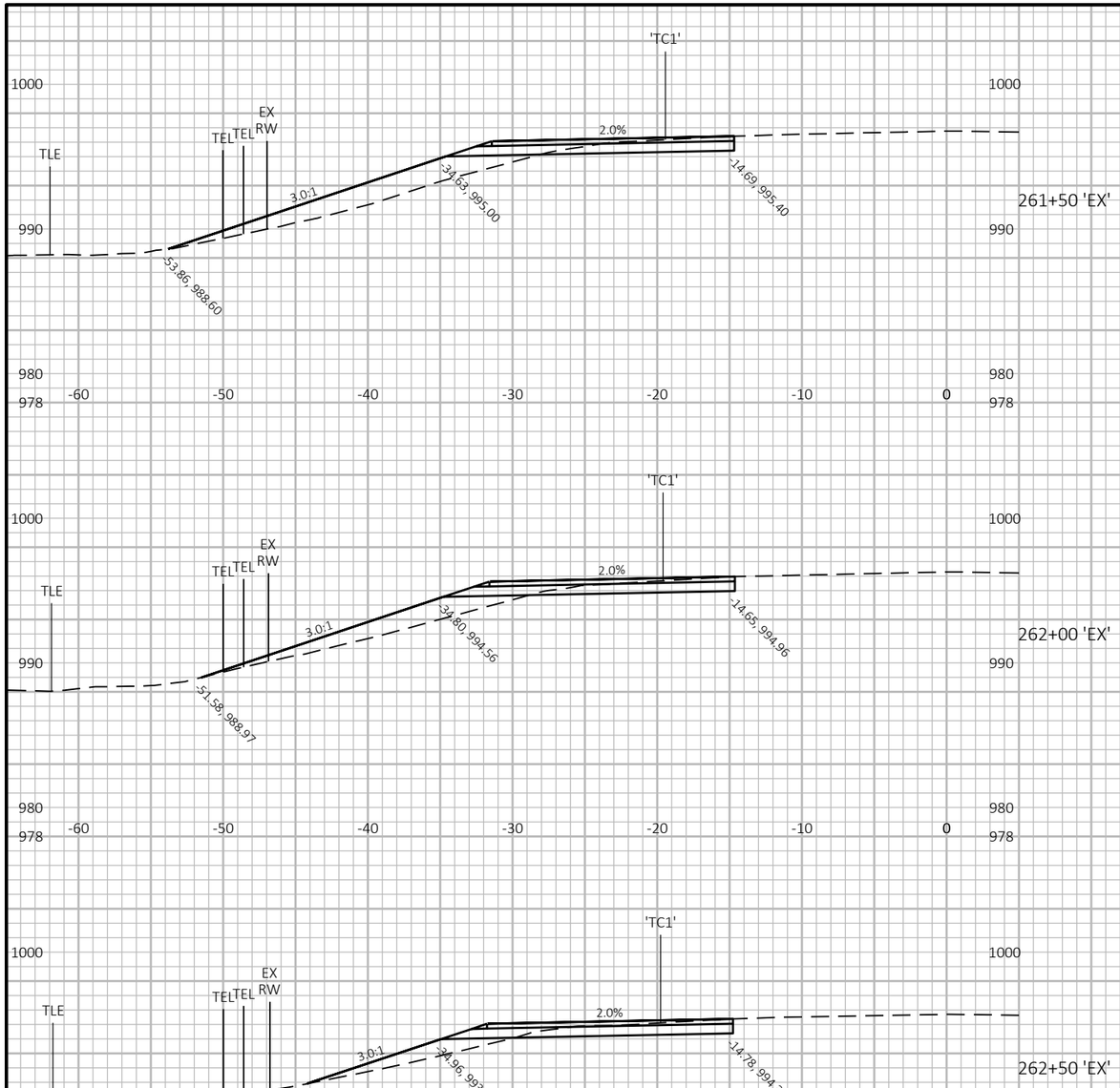
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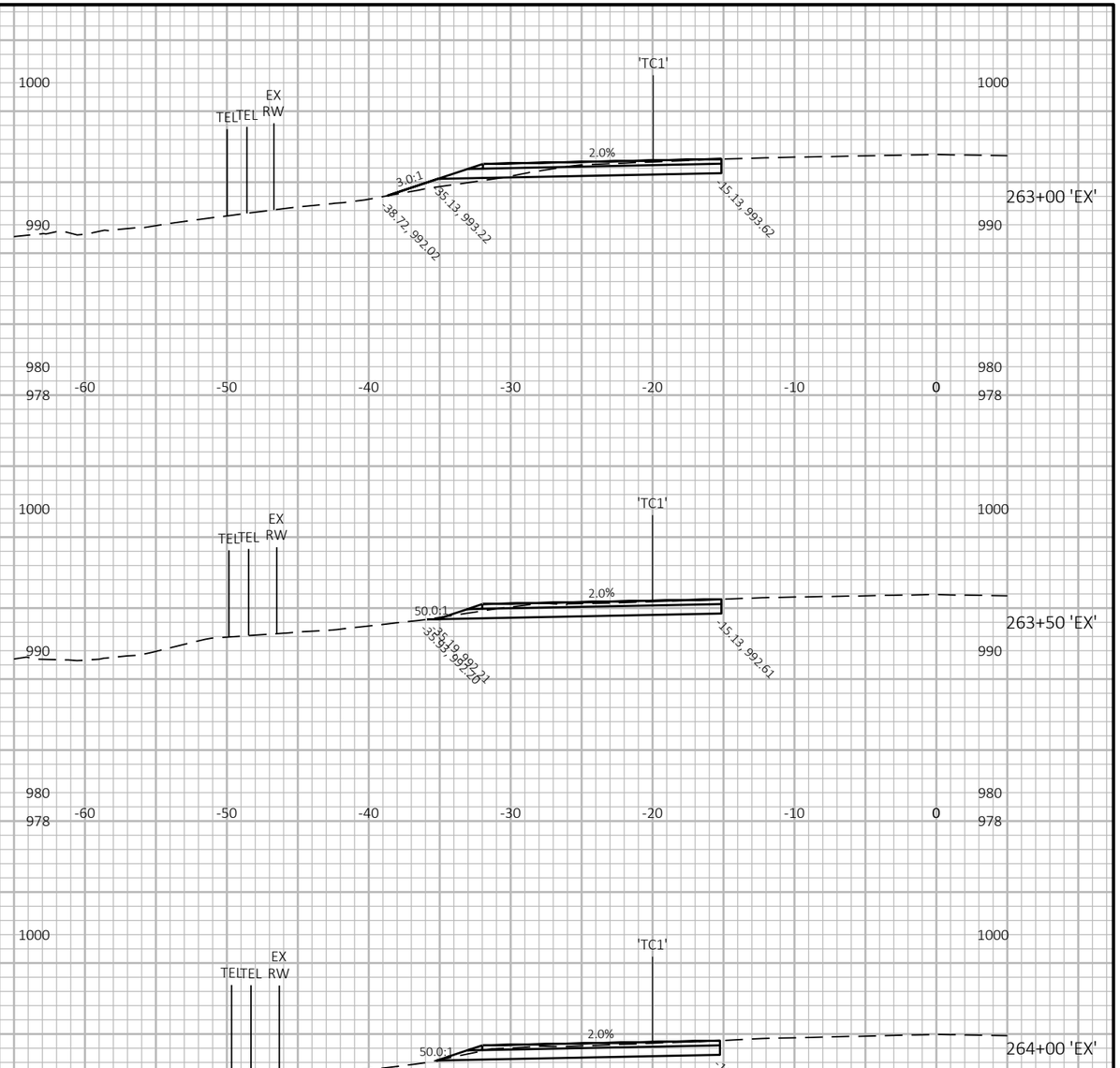
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LAYOUT NAME - TC1_1

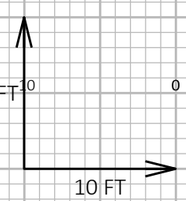
PLOT DATE : 4/16/2025 9:22 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME :

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

WISDOT/CADDS SHEET 49







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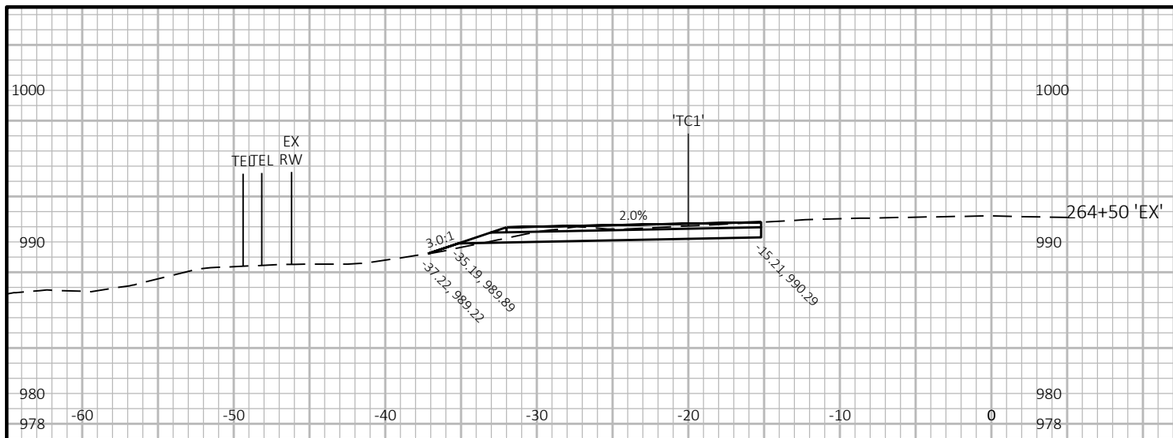
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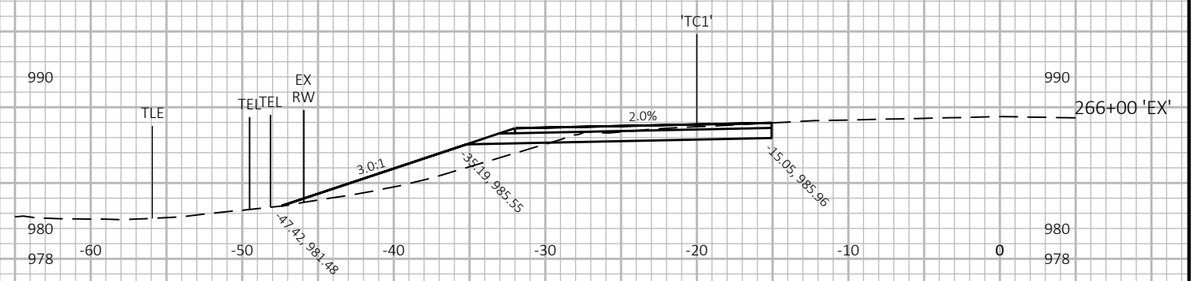
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1	SHEET 307	E

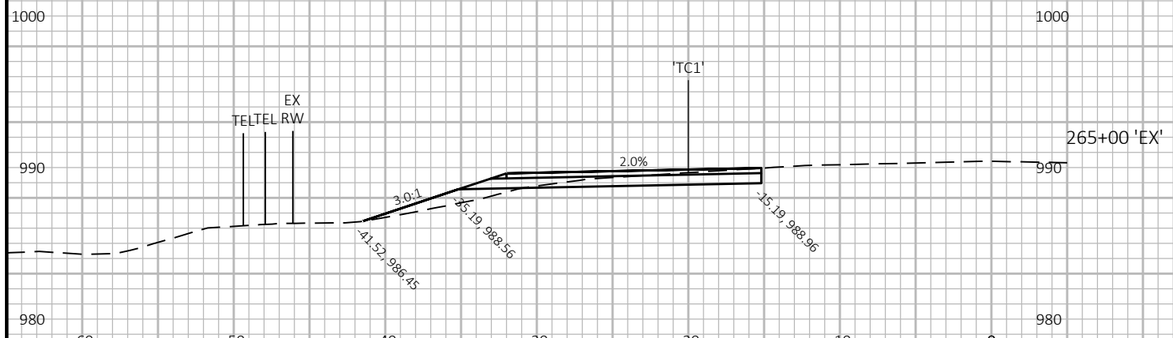
FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090203-XS_TC.DWG
LAYOUT NAME - TC1_2

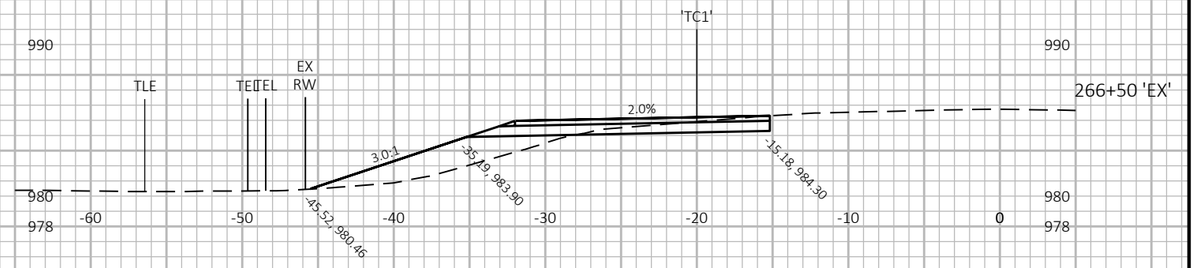
PLOT DATE : 4/16/2025 9:22 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

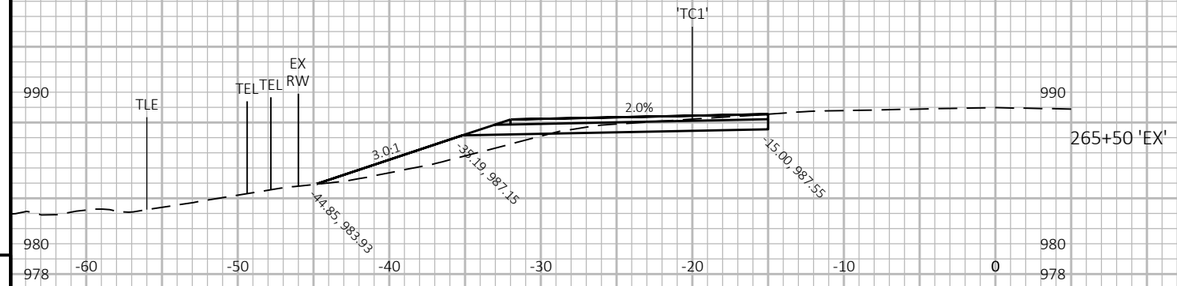
WISDOT/CADDS SHEET 49

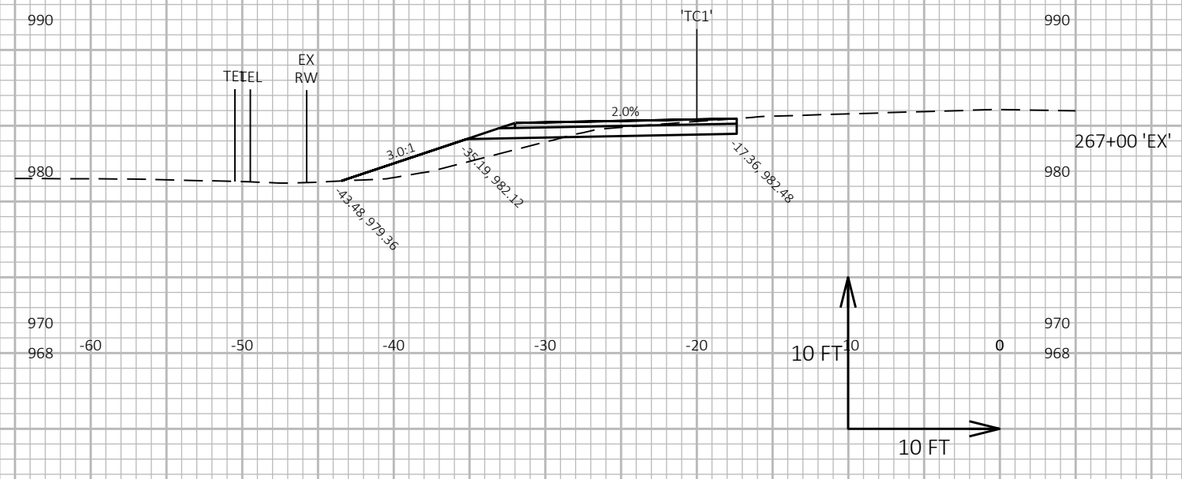












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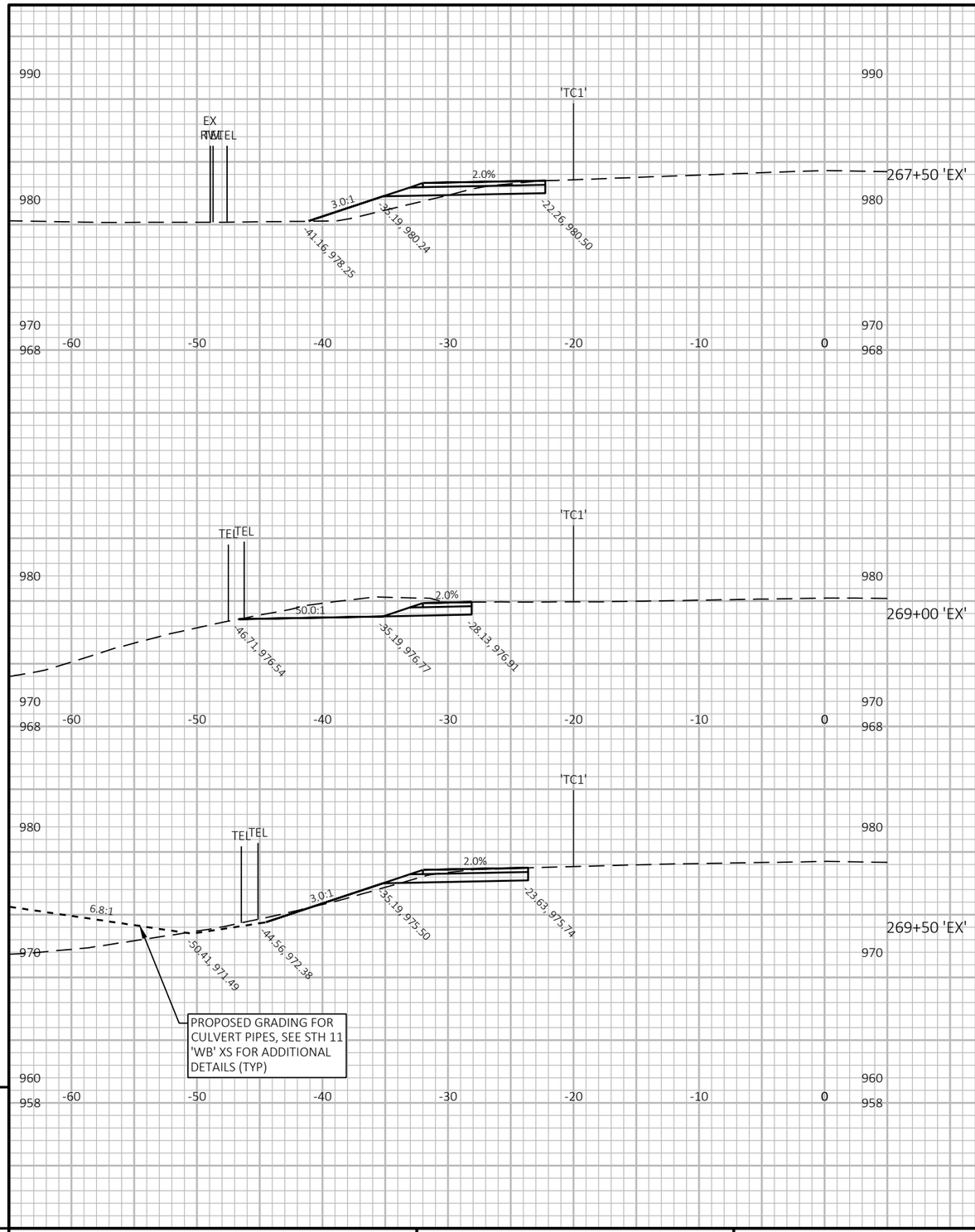
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PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1	SHEET 308	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090203-XS_TC.DWG
LAYOUT NAME - TC1_3

PLOT DATE : 4/16/2025 9:22 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

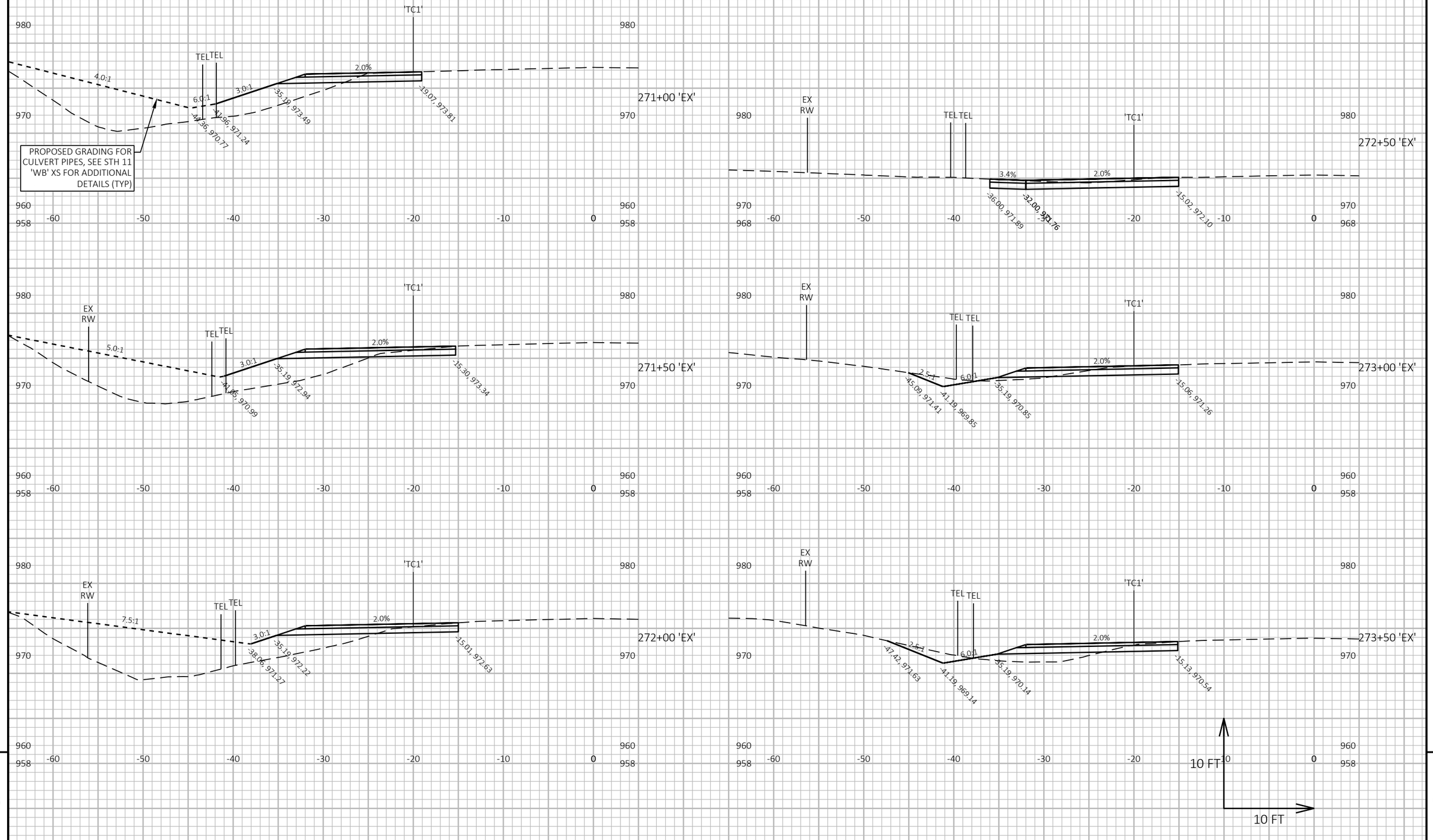


PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1	SHEET 309 E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090203-XS_TC.DWG
LAYOUT NAME - TC1_4

PLOT DATE : 4/16/2025 9:22 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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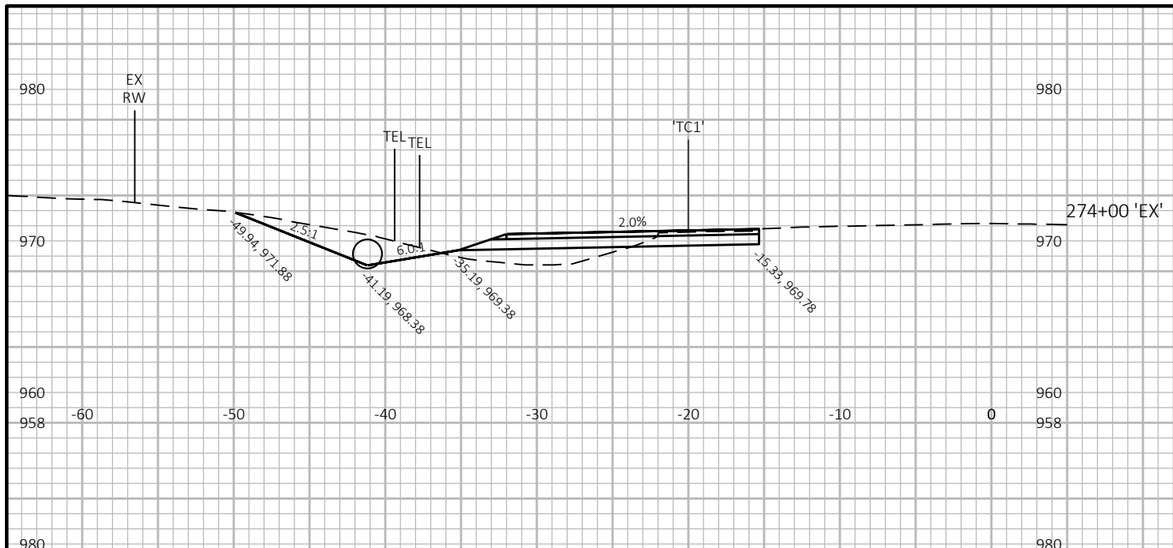
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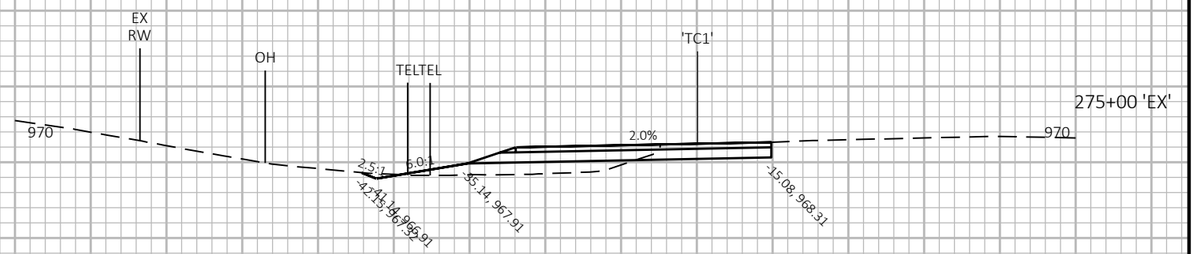
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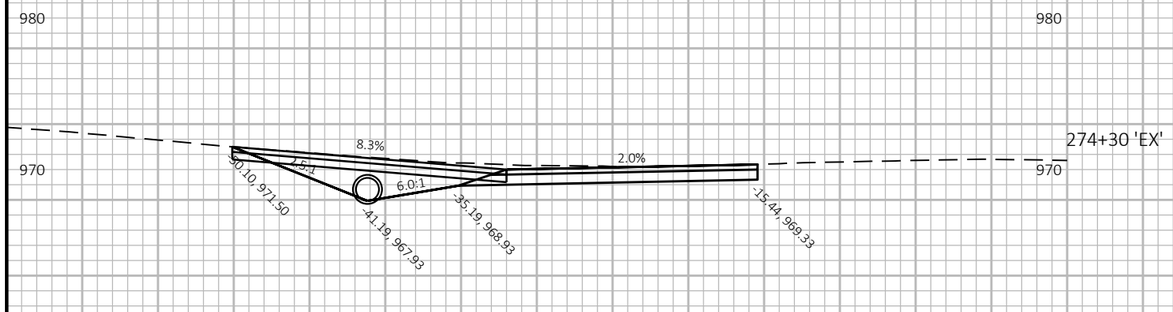
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LAYOUT NAME - TC1_5

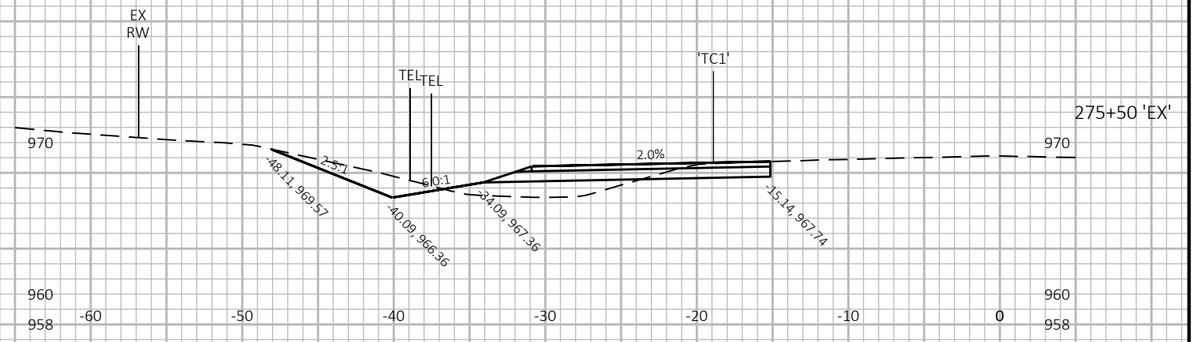
PLOT DATE : 4/16/2025 9:22 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

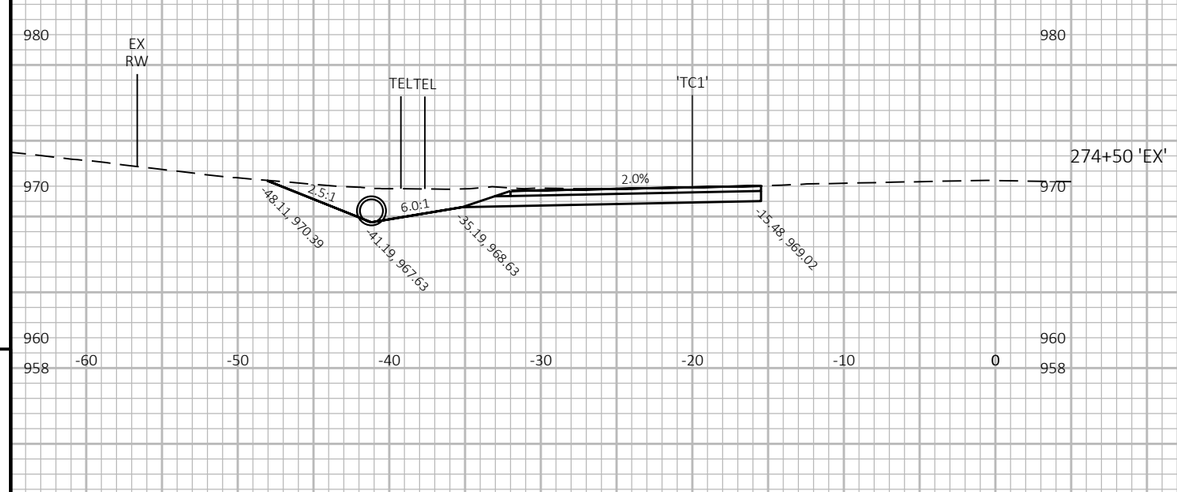
WISDOT/CADDS SHEET 49

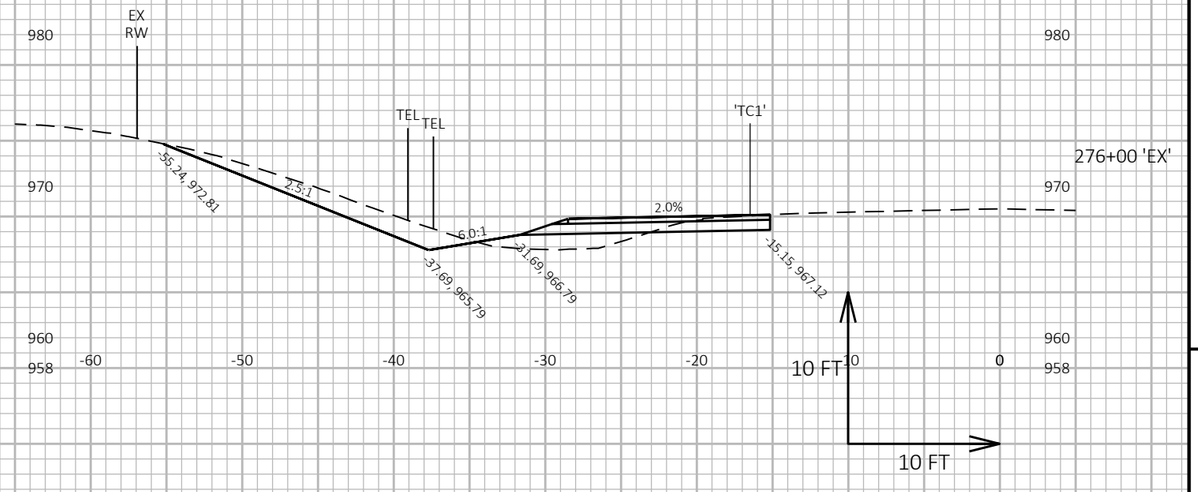












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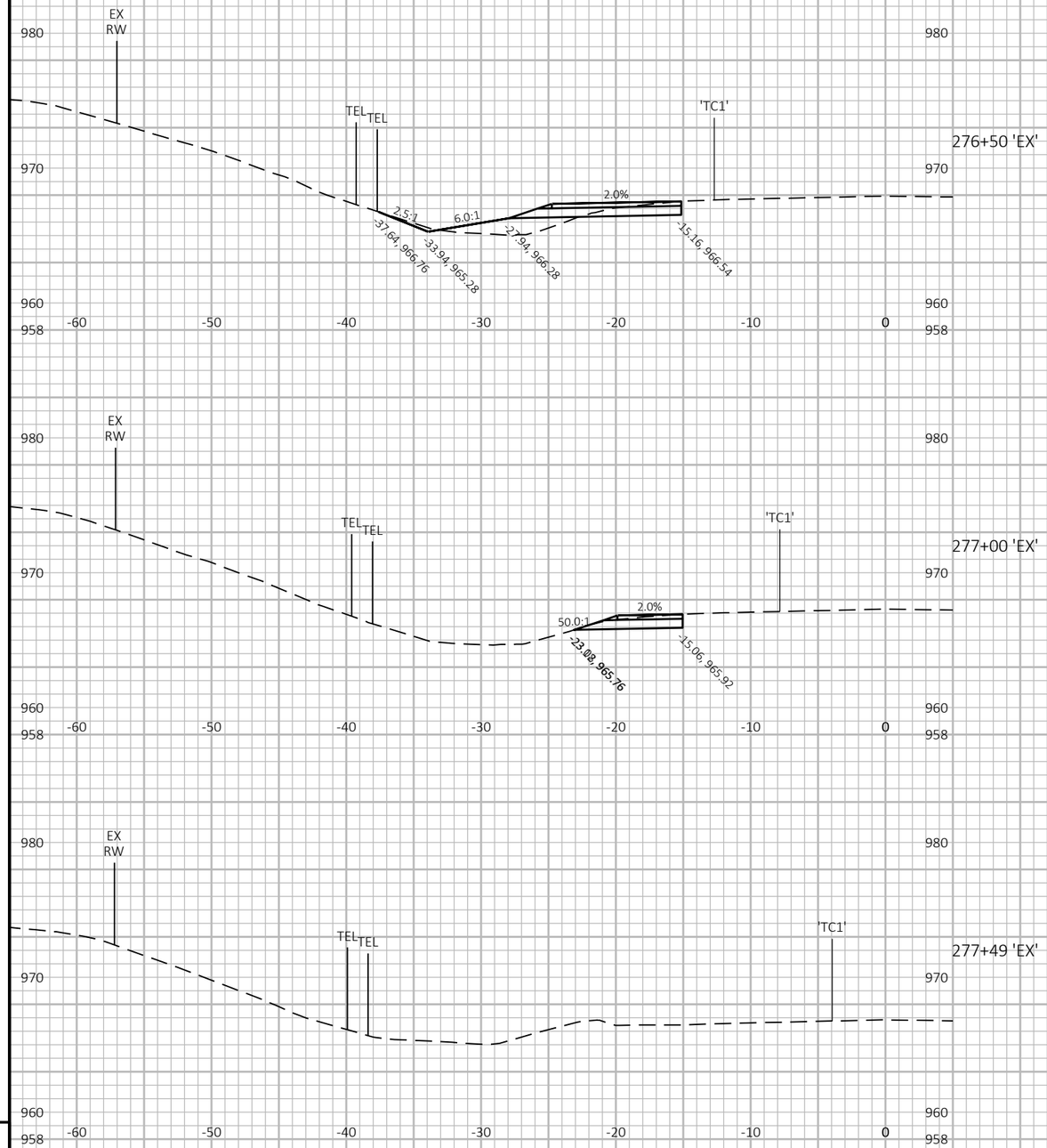
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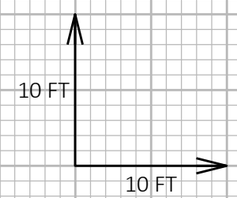
PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1	SHEET 311	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090203-XS_TC.DWG
LAYOUT NAME - TC1_6

PLOT DATE : 4/16/2025 9:23 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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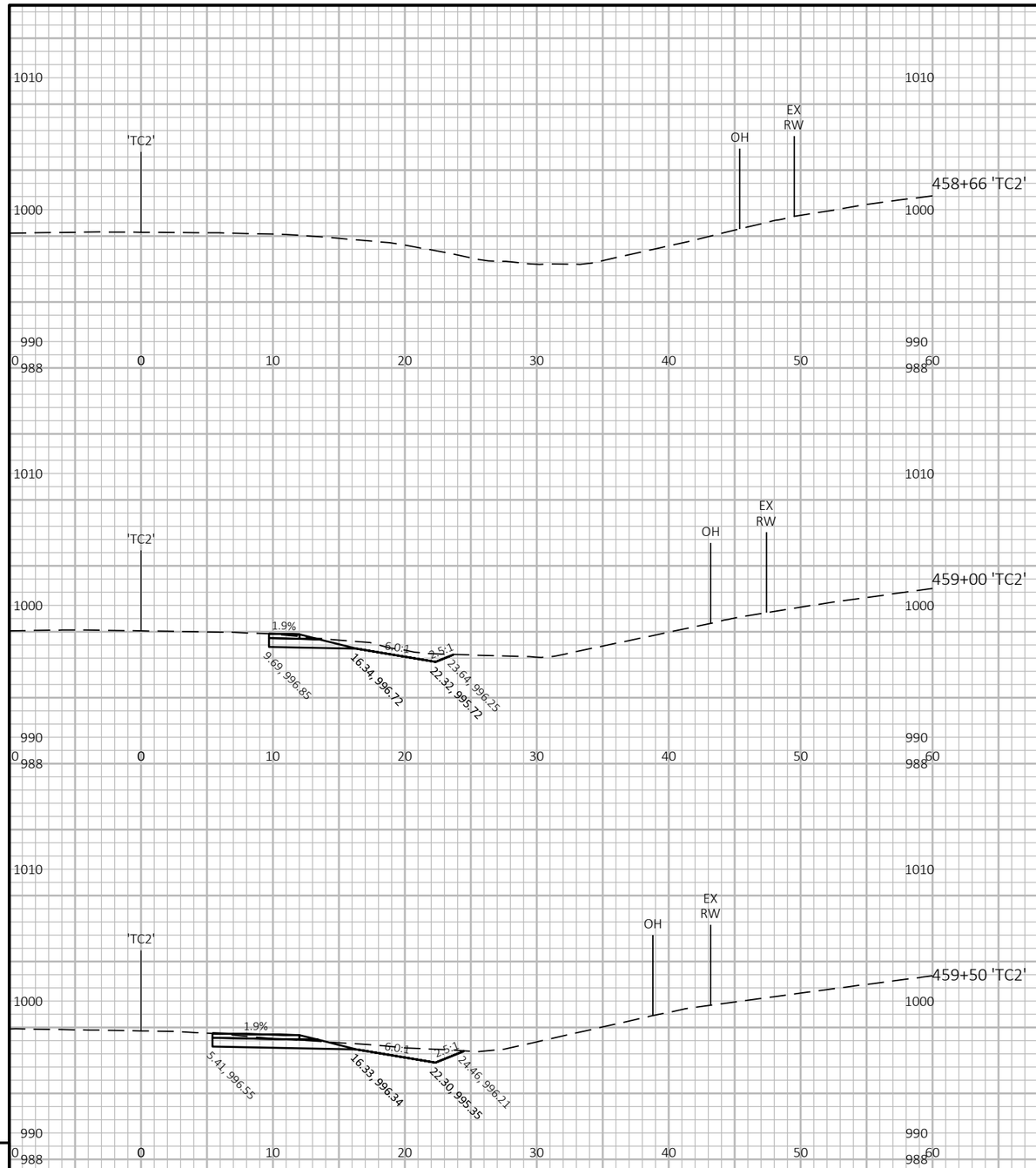
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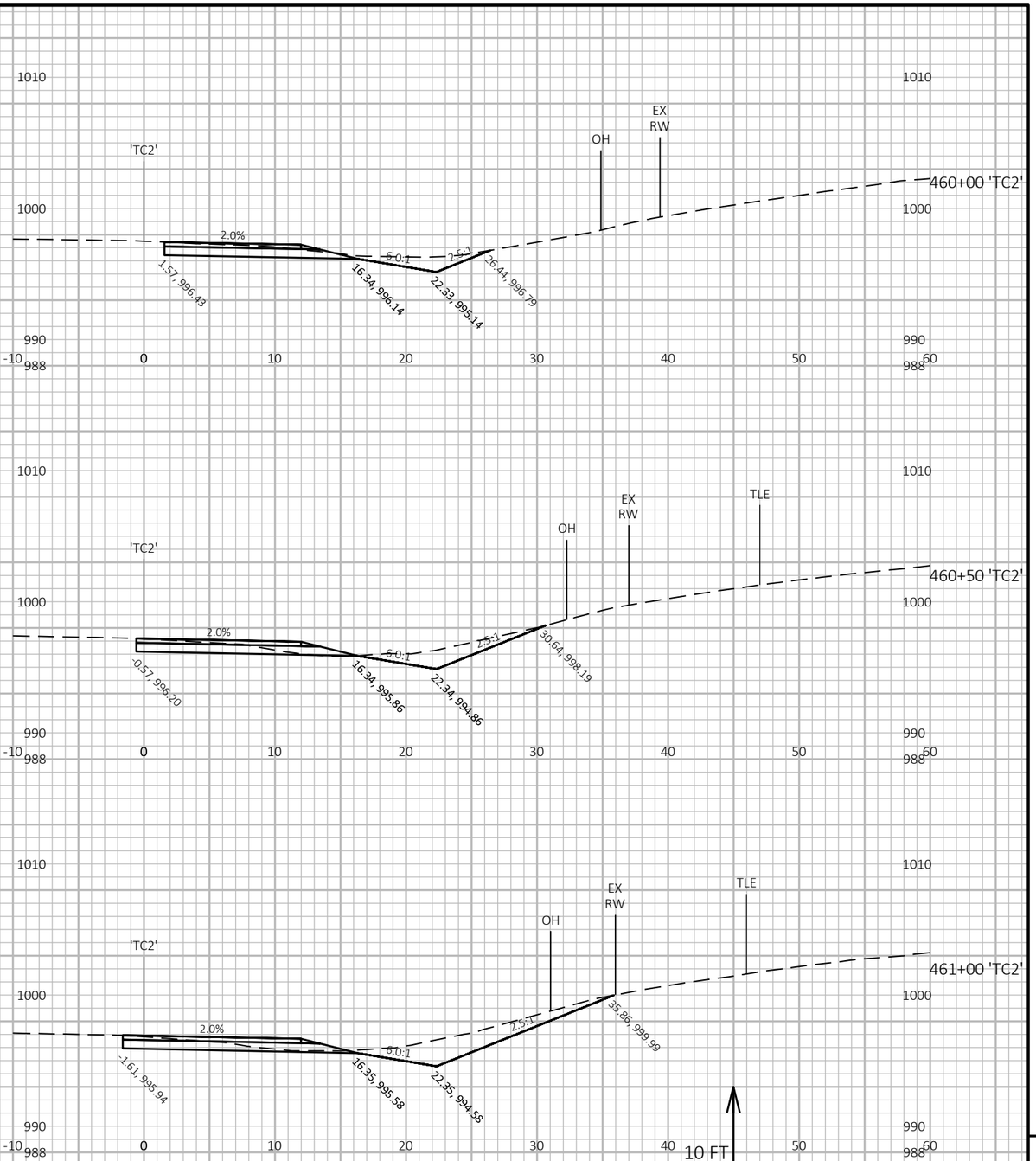
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FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090203-XS_TC.DWG
LAYOUT NAME - TC1_7

PLOT DATE : 4/16/2025 9:23 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 2	SHEET 313	E

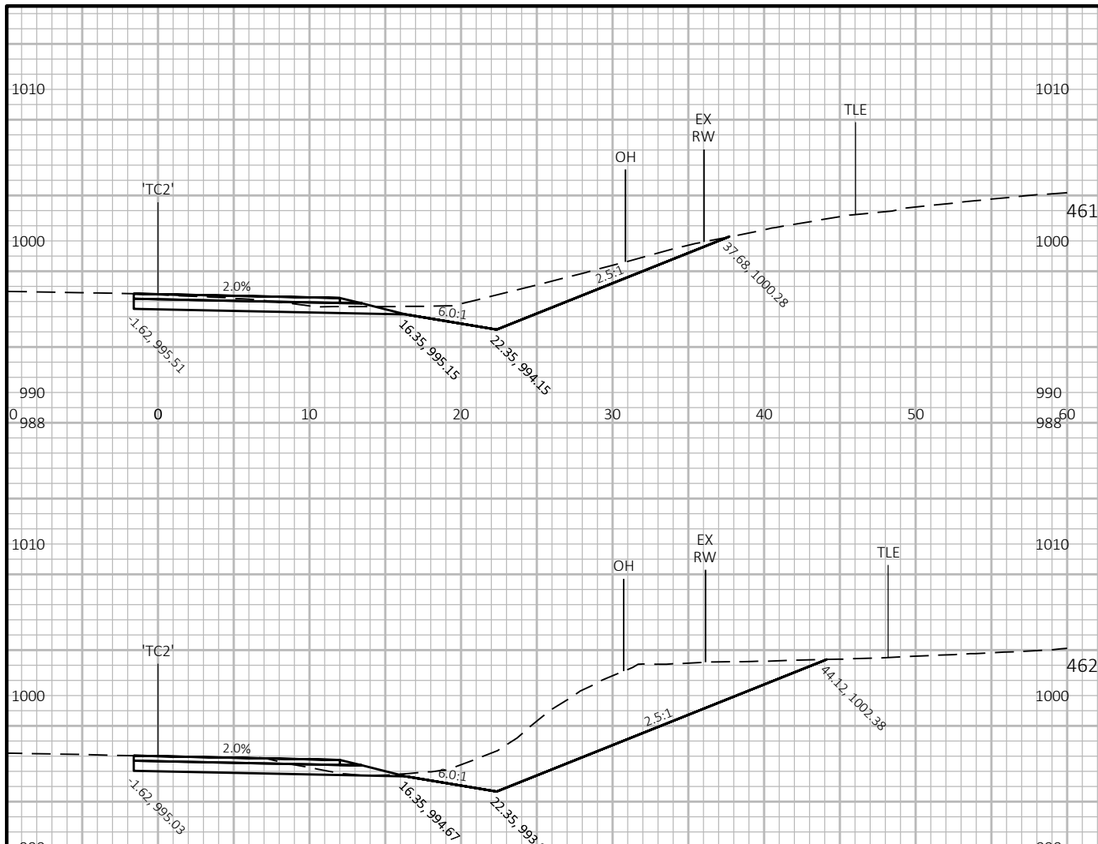
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LAYOUT NAME - TC2_01

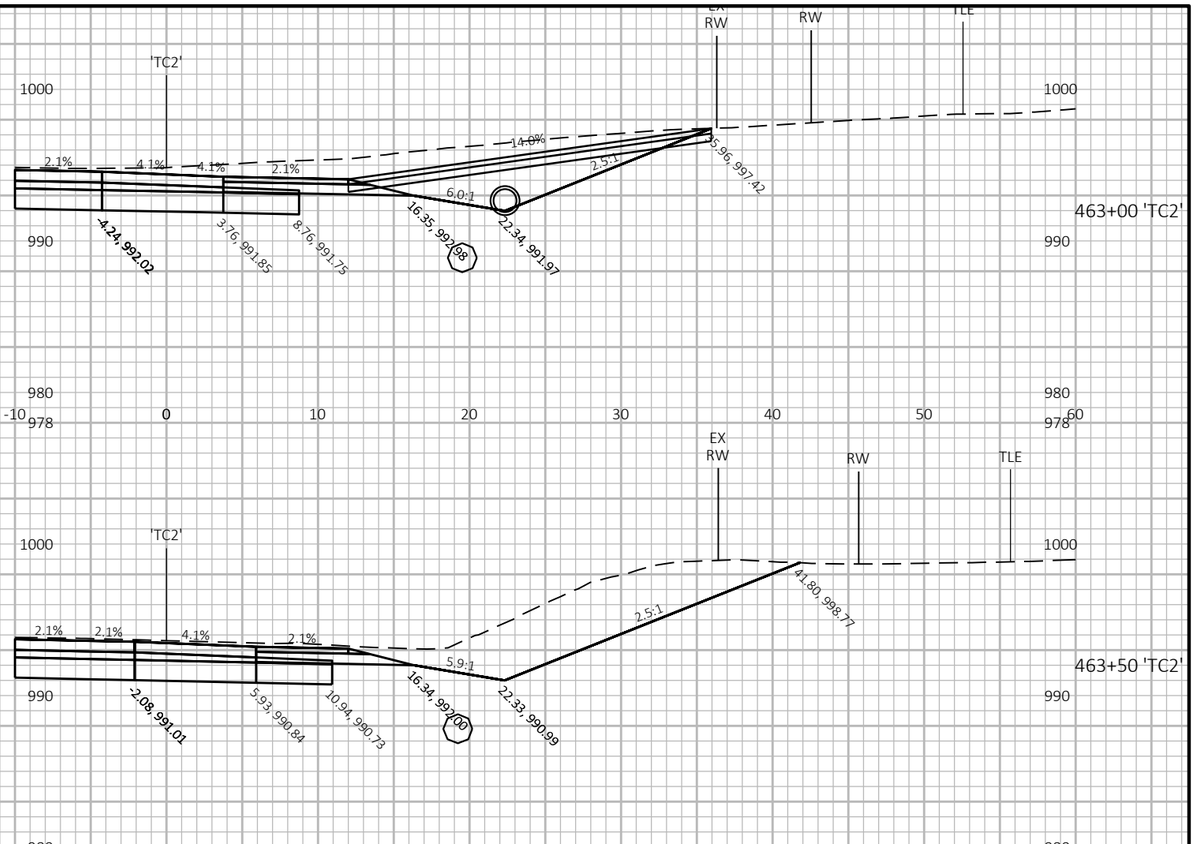
PLOT DATE : 4/16/2025 9:39 AM

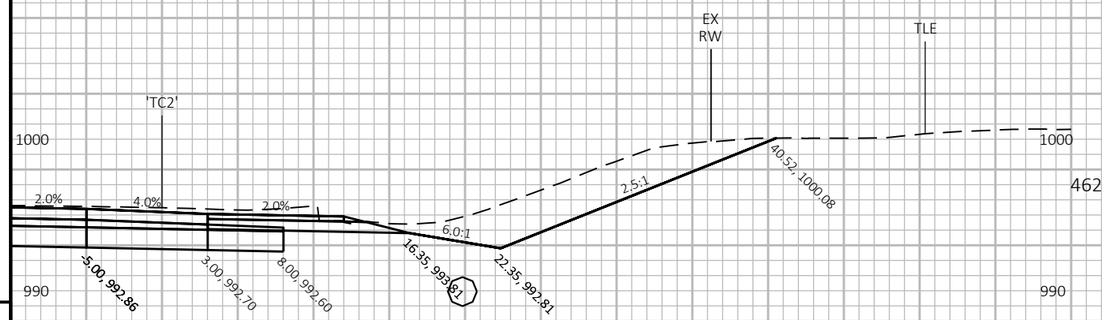
PLOT BY : BUTTERIS, BRADLEY

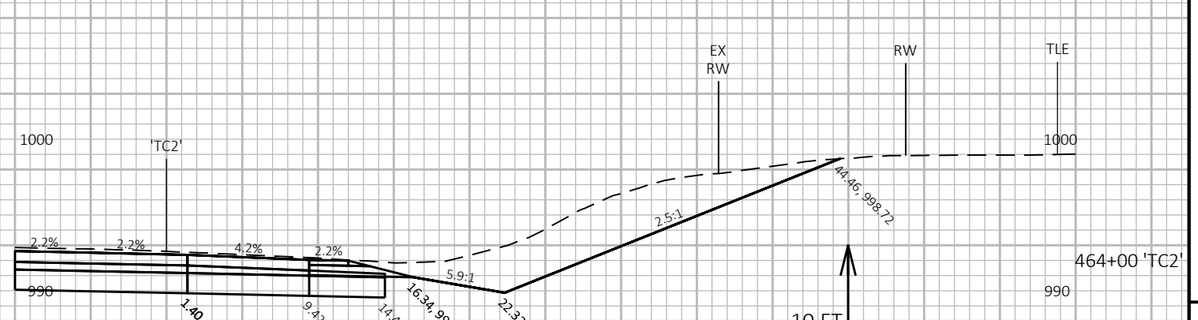
PLOT NAME :

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









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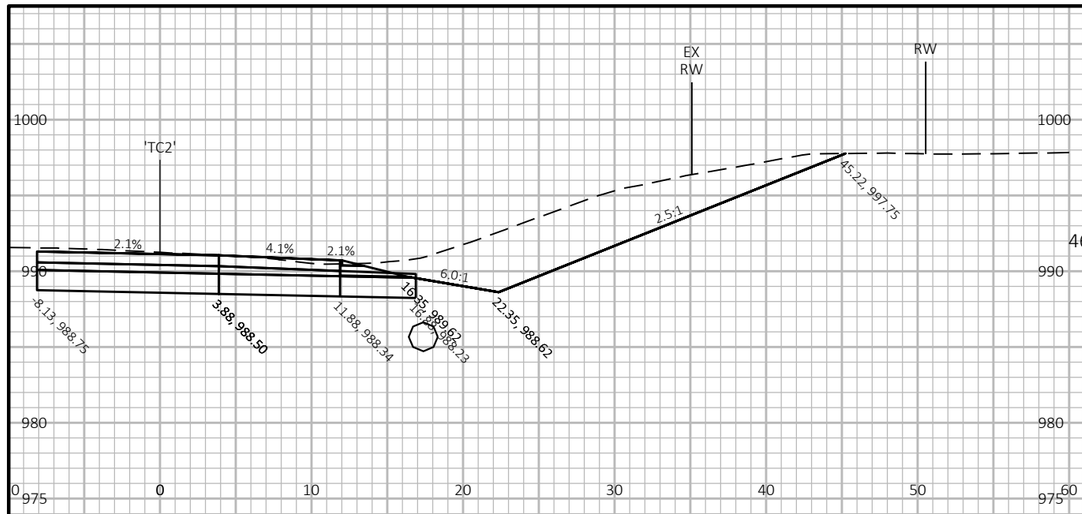
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PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 2	SHEET 314	E

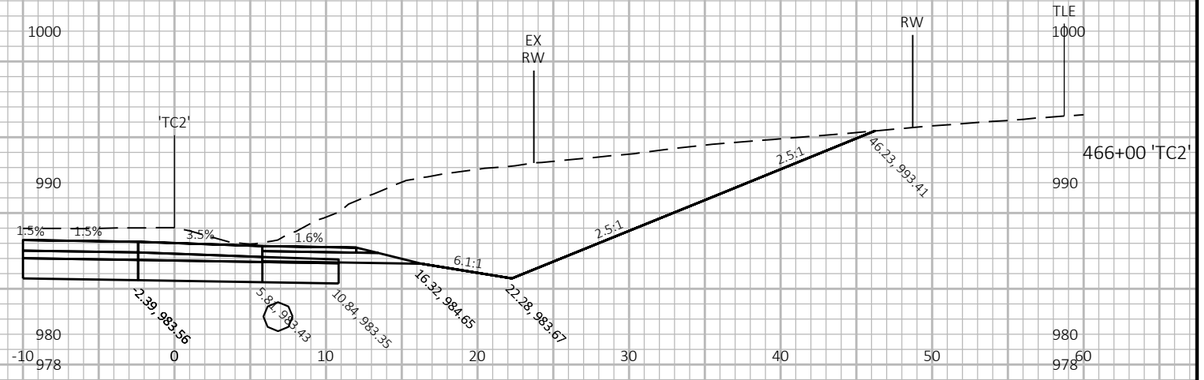
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LAYOUT NAME - TC2_02

PLOT DATE : 4/16/2025 9:39 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

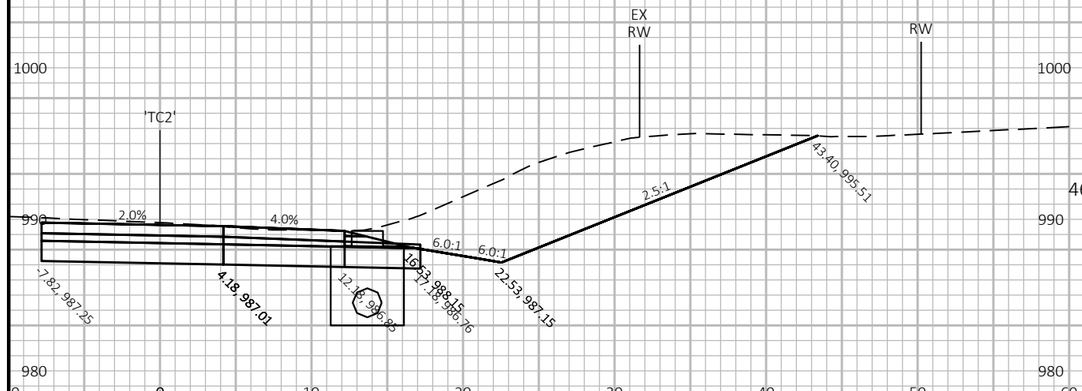
WISDOT/CADDS SHEET 49



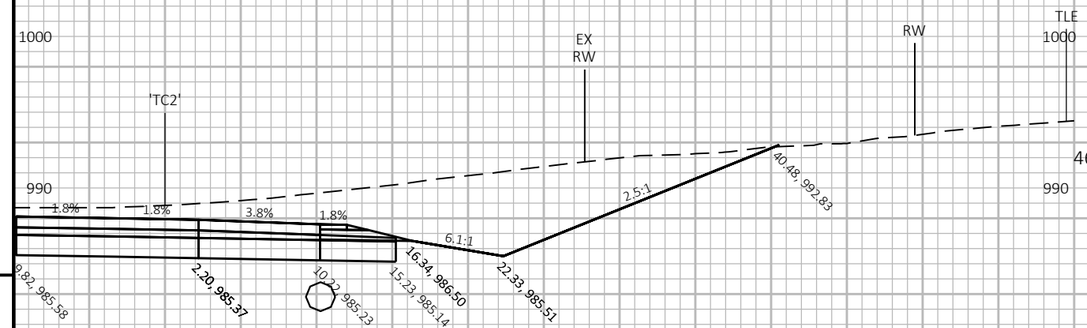
464+50 'TC2'



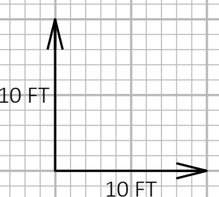
466+00 'TC2'



465+00 'TC2'



465+50 'TC2'



9

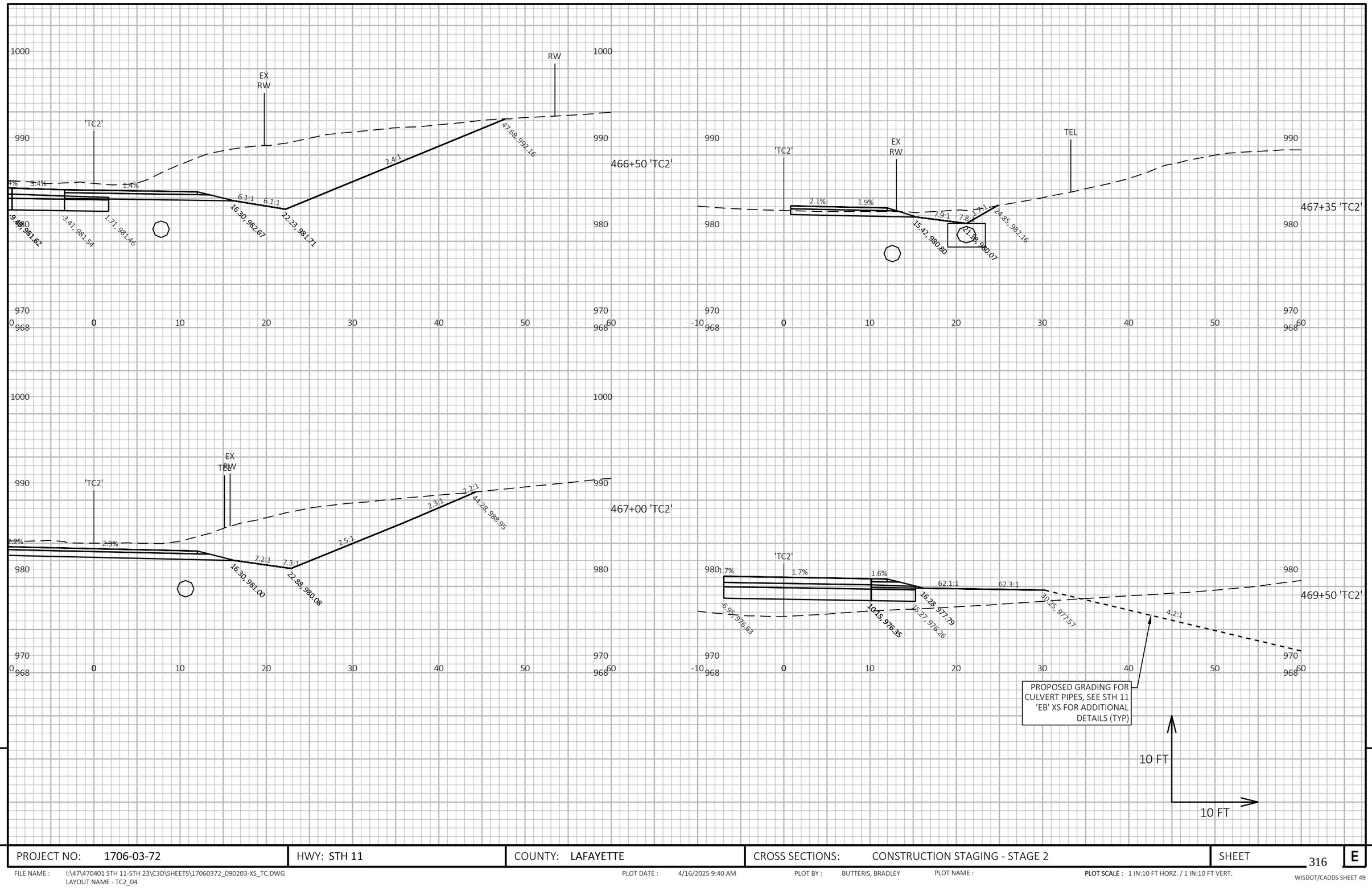
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PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 2	SHEET 315	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090203-XS_TC.DWG
LAYOUT NAME - TC2_03

PLOT DATE : 4/16/2025 9:40 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

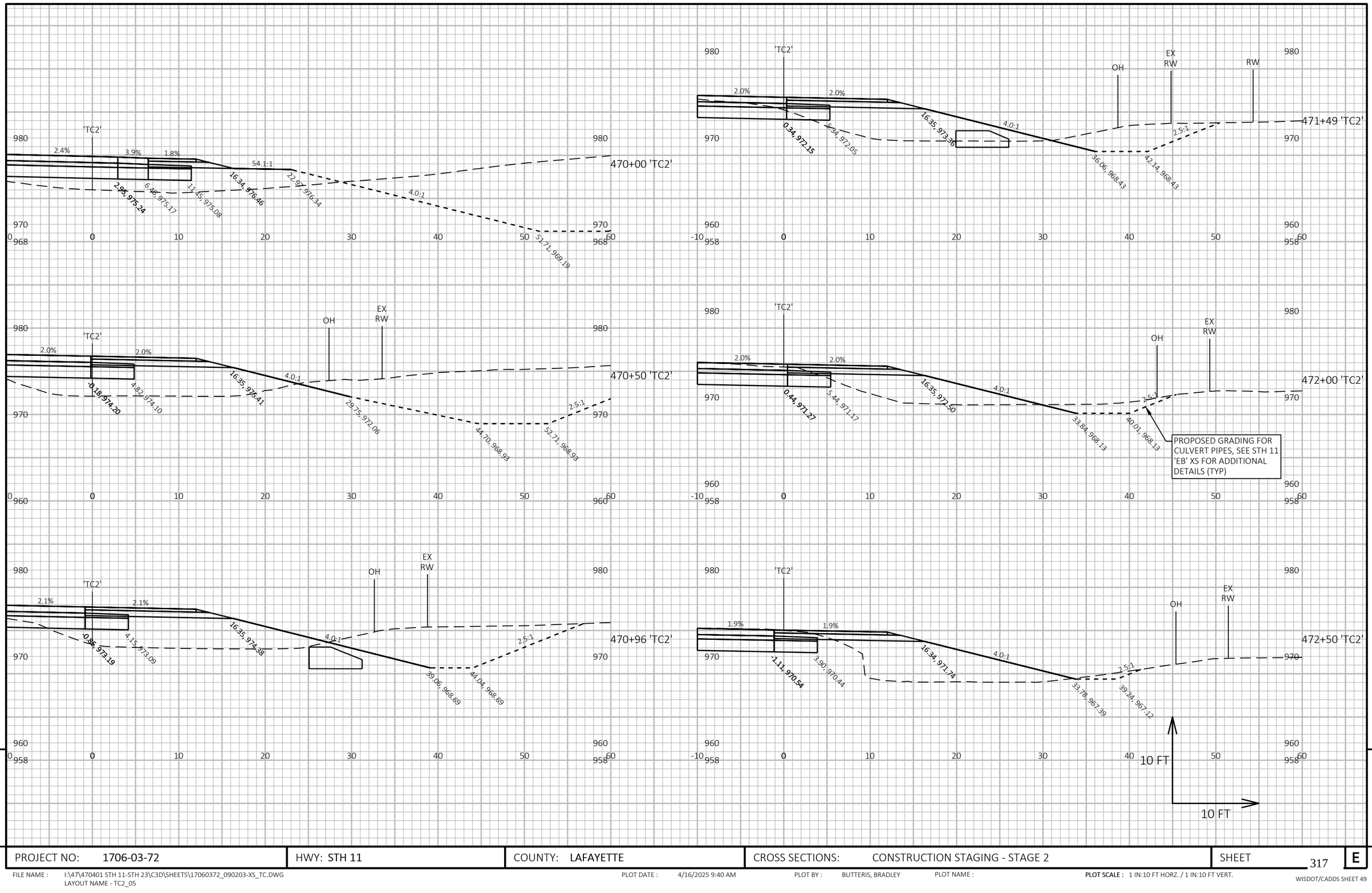


PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 2	SHEET 316 E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090203-XS_TC.DWG
LAYOUT NAME - TC2_04

PLOT DATE : 4/16/2025 9:40 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

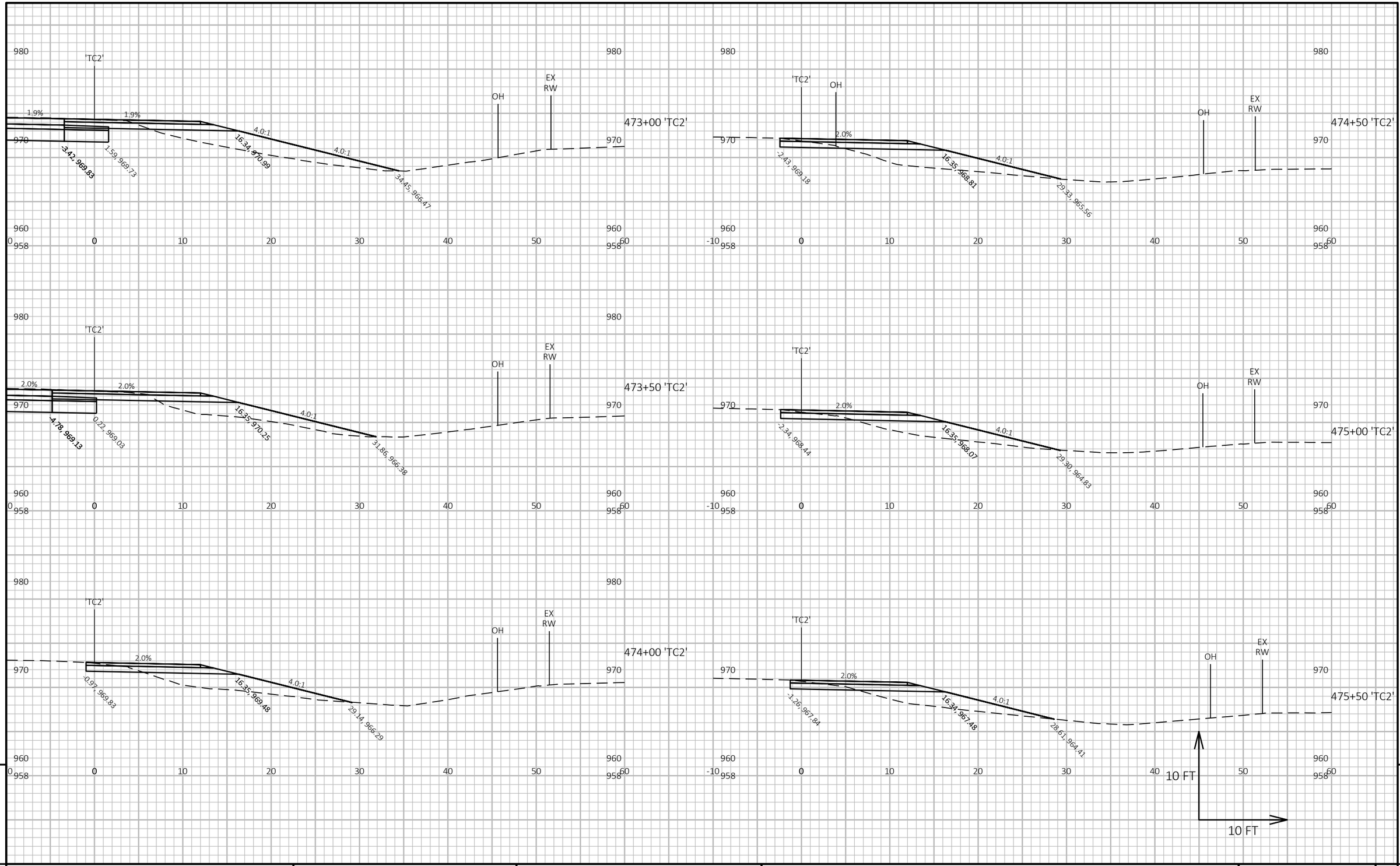
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PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 2	SHEET 317	E

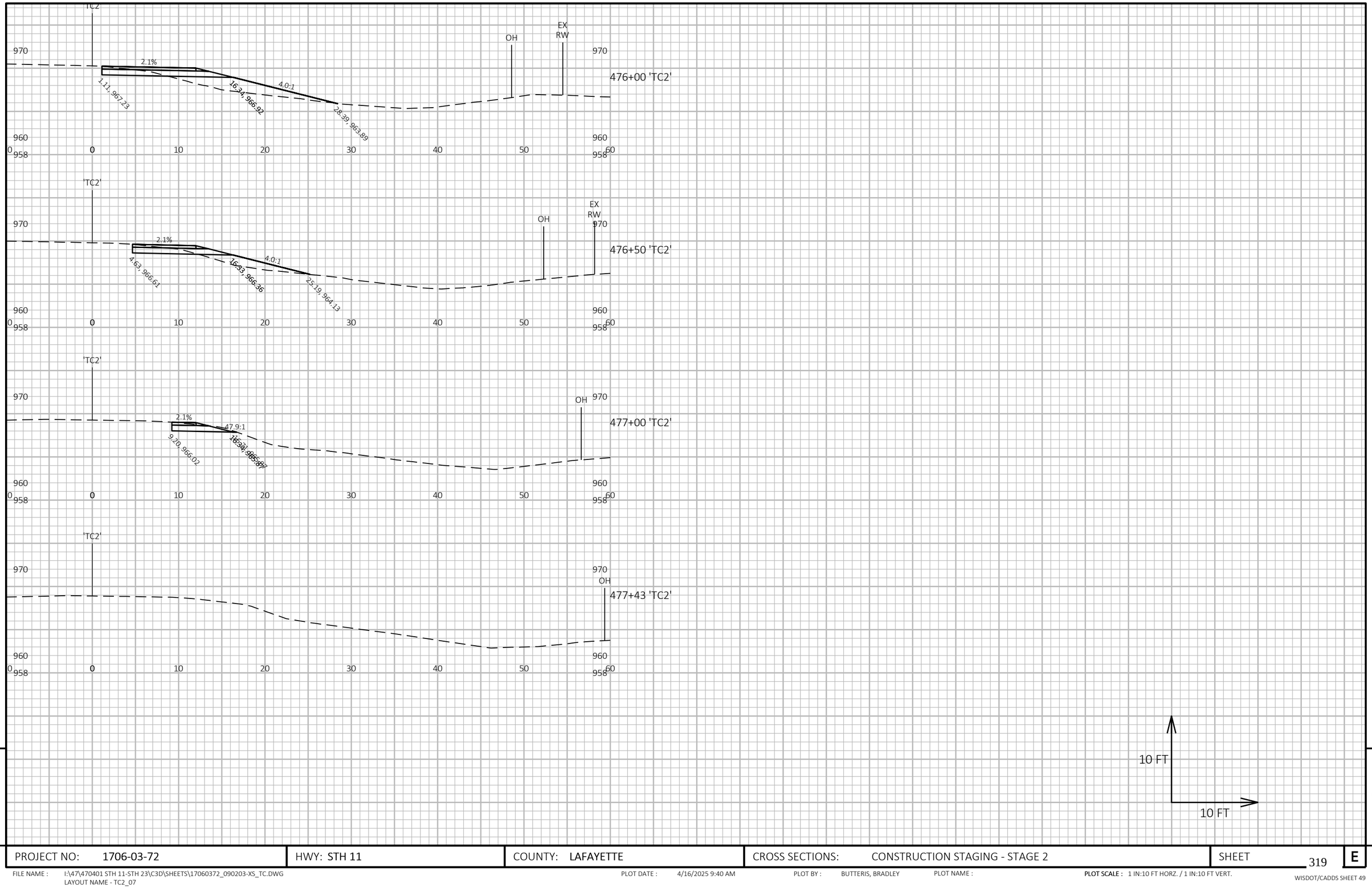
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LAYOUT NAME - TC2_05

PLOT DATE : 4/16/2025 9:40 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 2	SHEET 318	E



9

9

PROJECT NO: 1706-03-72	HWY: STH 11	COUNTY: LAFAYETTE	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 2	SHEET 319	E

FILE NAME : I:\47\470401 STH 11-STH 23\C3D\SHEETS\17060372_090203-XS_TC.DWG
LAYOUT NAME - TC2_07

PLOT DATE : 4/16/2025 9:40 AM PLOT BY : BUTTERIS, BRADLEY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Wisconsin Department of Transportation

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