EAU APRIL 2024

PROJECT ID: 7540-00-72
WITH: N/A

COUNTY: JACKSON

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 (includes Erosion Control)
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 = 62

12

DESIGN DESIGNATION 7540-00-02

A.A.D.T.	2026	=	3440
A.A.D.T.	2046	=	3760
D.H.V.		=	430
D.D.		=	60/40
T.		=	19.7
DESIGN SPEED		=	60 MPH
ESALS		=	1,300,000

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
- MARSH AREA
- WOODED OR SHRUB AREA

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

UTILITIES
- ELECTRIC
- FIBER OPTIC
- GAS
- SANITARY SEWER
- STORM SEWER
- TELEPHONE
- WATER
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

FAIRCHILD - BLACK RIVER FALLS

DRAINAGE WAY CULVERTS

USH 12

JACKSON COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
PROJECT ID		
7540-00-72	———	—

STATE PROJECT NUMBER
7540-00-72

BEGIN CONSTRUCTION
STA. 18+50

BEGIN PROJECT 7540-00-72
STA. 19+75
Y = 235,039.54
X = 386,841.51

STRUCTURE C-27-7799

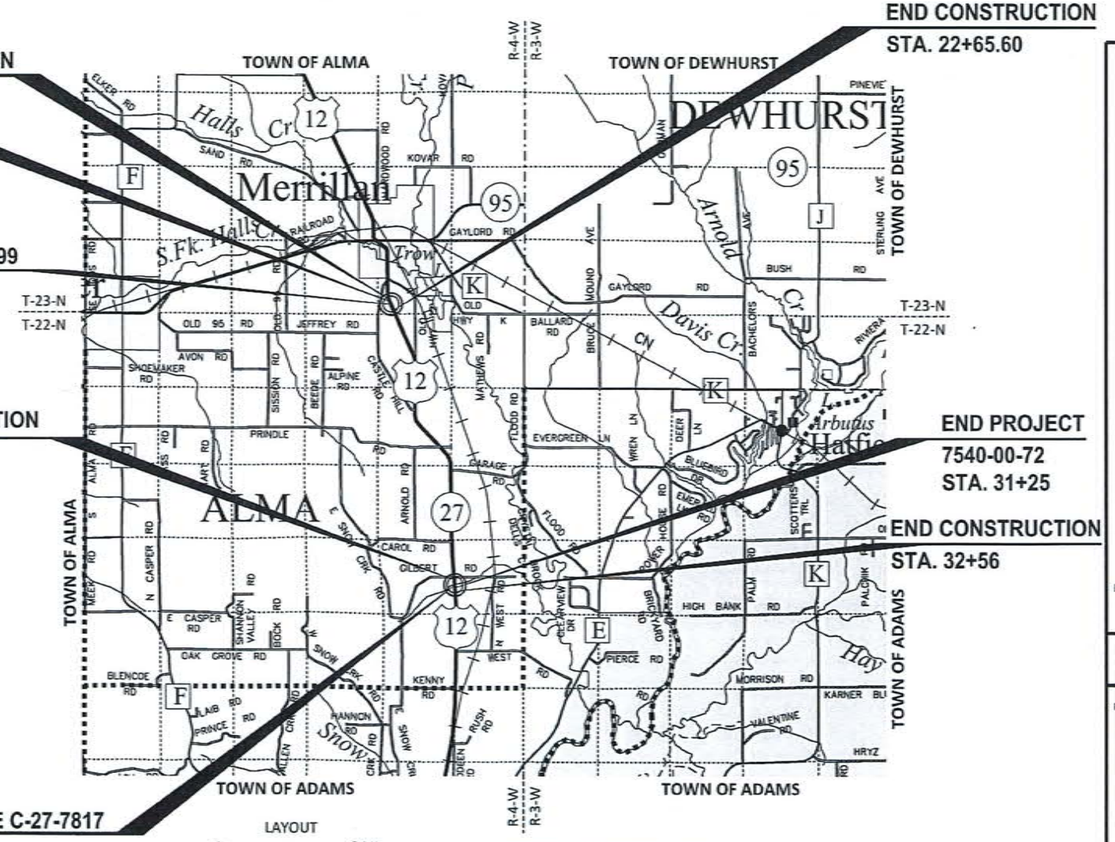
BEGIN CONSTRUCTION
STA. 28+40

STRUCTURE C-27-7817

END CONSTRUCTION
STA. 22+65.60

END PROJECT
7540-00-72
STA. 31+25

END CONSTRUCTION
STA. 32+56



LAYOUT
SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 0.152 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), JACKSON 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 (1968). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

ORIGINAL PLANS PREPARED BY

JEWELL
associates engineers, in
Engineers - Architects - Surveyors

WISCONSIN
JEFFREY D. SMITH
E-36291
VERONA, WI
PROFESSIONAL ENGINEER

DATE: 3/9/23 (Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT
Designer	JEWELL ASSOCIATES ENGINEERS, INC.
Project Manager	NATHAN ULNESS / DANIEL RAMBO
Regional Examiner	NW REGION
Regional Supervisor	JAMES KOENIG

APPROVED FOR THE DEPARTMENT
DATE: 3/27/23 (Signature)

E

2

GENERAL NOTES

NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS SUCH TREES OR SHRUBS HAVE FIRST BEEN INDICATED FOR REMOVAL BY THE ENGINEER IN THE FIELD.

EROSION CONTROL ITEMS IN THE MISC. QUAN. ARE SUGGESTED. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD. MAINTAIN EROSION CONTROL ITEMS UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. PROTECT WETLANDS AND OTHER WATERWAYS THAT ARE PRESENT WITHIN THE PROJECT LIMITS.

DISTURBED AREAS SHOWN WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS ARE TO BE FERTILIZED (TYPE B), SEEDED (SEEDING MIXTURE NO. 30), AND EROSION MAT URBAN CLASS 1 TYPE B AS DIRECTED BY THE ENGINEER.

WHEN THE QUANTITY OF THE ITEM OF BASE AGGREGATE DENSE OR HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE COURSE SHOWN ON THE PLANS IS APPROXIMATE, AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER IN THE FIELD.

REMOVAL OF ASPHALTIC SURFACES WHERE AN ABUTTING ASPHALTIC SURFACE IS TO REMAIN IN PLACE SHALL REQUIRE A VERTICAL EDGE MEETING THE APPROVAL OF THE ENGINEER IN THE FIELD.

HMA PAVEMENT QUANTITIES WERE CALCULATED USING 112 LB/SY/IN.

APPLY TACK COAT AT A RATE OF 0.06 GAL/SY BETWEEN LAYERS OF HMA PAVEMENT.

6.5-INCHES OF HMA PAVEMENT SHALL BE CONSTRUCTED WITH A 2.5-INCH LOWER LAYER AND TWO 2-INCH UPPER LAYERS OF HMA PAVEMENT 4 MT 58-34 S.

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

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, OR PASSING LANE.

THE LOW SIDE SHOULDER SLOPE ON SUPERELEVATED SECTIONS EQUALS THE SUPERELEVATION WHEN THE SUPERELEVATION IS GREATER THAN 0.04 FT./FT. IF THE SUPERELEVATION IS LESS THAN OR EQUALS 0.04 FT./FT., THEN THE LOW SIDE SHOULDER SLOPE IS 0.04 FT./FT. THE HIGH SIDE SHOULDER SLOPE ON THE SUPERELEVATED SECTION EQUALS THE SUPERELEVATION.

FILL EXPANSION IS VARIABLE AND IS ESTIMATED AT 25%.

ADJUST DITCH GRADING AS NECESSARY TO FIELD CONDITIONS AND AS DIRECTED BY THE ENGINEER IN THE FIELD.

CURVE DATA IS BASED ON THE ARC DEFINITION.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH A CALL TO "DIGGERS HOTLINE" AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

IF THERE ARE CONFLICTS WITH SIGNS OR OTHER WORK UNDER THIS PROJECT, THE CONTRACTOR WILL WORK AROUND THE UTILITY FACILITIES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

CONTACTS

WISCONSIN DEPARTMENT OF TRANSPORTATION:

WISDOT PROJECT MANAGER
718 W CLAIREMONT AVE
EAU CLAIRE, WI 54701
ATTN: NATHAN ULNESS
PH: (715) 836-3914
EMAIL: nathan.ulness@dot.wi.gov

WDNR LIAISON:

STATE OF WISCONSIN
DNR WEST CENTRAL REGION
910 STH 54 E
BLACK RIVER FALLS, WI 54615
ATTN: BRADLEY BETTHAUSER
PH: (715) 231-9064
EMAIL: bradley.betthauser@wisconsin.gov

DESIGN CONSULTANT:

JEWELL ASSOCIATES ENGINEERS, INC.
1001 FOURIER DRIVE, SUITE 104
MADISON, WI 53717
ATTN: JEFF SMITH, P.E.
PH: (608) 459-6091
MOBILE: (608) 669-4412
EMAIL: jeff.smith@jewellassoc.com

UTILITIES

COMMUNICATION LINE

BRIGHTSPEED
ATTN: TOM MURRAY
1905 WARD AVENUE
LA CROSSE, WI 54601
OFFICE: (608) 780-0895
CELL: (608) 487-0895
EMAIL: Tom.L.Murray@Brightspeed.com

GAS/PETROLEUM

WE ENERGIES
ATTN: TRAVIS KAHL
1921 8TH STREET SOUTH
WISCONSIN RAPIDS, WI 54491
OFFICE: (715) 421-7256
CELL: (715) 498-6180
EMAIL: travis.kahl@we-energies.com

ELECTRICITY

JACKSON ELECTRIC COOPERATIVE
ATTN: ERIC STEIEN
N6868 COUNTY HIGHWAY F
P.O. BOX 546
BLACK RIVER FALLS, WI 54615
OFFICE: (715) 284-5385
CELL: (715) 299-5208
EMAIL: esteien@jackelec.com

XCEL ENERGY - ELECTRIC-TRANSMISSION
ATTN: MITCHELL DIENGER
414 NICOLLET MALL
MINNEAPOLIS. MN 55401
PH: (612) 321-3109
EMAIL: michell.a.dienger@xcelenergy.com

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

LIST OF STANDARD ABBREVIATIONS

ABUT	Abutment	INV	Invert	RDWY	Roadway
AC	Acre	IP	Iron Pipe or Pin	SALV	Salvaged
AGG	Aggregate	IRS	Iron Rod Set	SAN S	Sanitary Sewer
AH	Ahead	JT	Joint	SEC	Section
<	Angle	JCT	Junction	SHLDR	Shoulder
ASPH	Asphaltic	LHF	Left-Hand Forward	SHR	Shrinkage
AVG	Average	L	Length of Curve	SW	Sidewalk
ADT	Average Daily Traffic	LIN FT or LF	Linear Foot	S	South
BAD	Base Aggregate Dense	LC	Long Chord of Curve	SQ	Square
BK	Back	MH	Manhole	SF or SQ FT	Square Feet
BF	Back Face	MB	Mailbox	SY or SQ YD	Square Yard
BM	Bench Mark	ML or M/L	Match Line	STD	Standard
BR	Bridge	N	North	SDD	Standard Detail Drawings
C or C/L	Center Line	Y	North Grid Coordinate	STH	State Trunk Highways
CC	Center to Center	OD	Outside Diameter	STA	Station
C.E.	Commercial Entrance	PLE	Permanent Limited Easement	SS	Storm Sewer
CTH	County Trunk Highway	PT	Point	SG	Subgrade
CR	Creek	PC	Point of Curvature	SE	Superelevation
CR	Crushed	PI	Point of Intersection	SL or S/L	Survey Line
CY or CU YD	Cubic Yard	PRC	Point of Reverse Curvature	SV	Septic Vent
CP	Culvert Pipe	PT	Point of Tangency	T	Tangent
C & G	Curb and Gutter	POC	Point On Curve	TEL	Telephone
D	Degree of Curve	POT	Point on Tangent	TEMP	Temporary
DHV	Design Hour Volume	PVC	Polyvinyl Chloride	TI	Temporary Interest
DIA	Diameter	PCC	Portland Cement Concrete	TLE	Temporary Limited Easement
E	East	LB	Pound	t	Ton
X	East Grid Coordinate	PSI	Pounds Per Square Inch	T or TN	Town
ELEC	Electric (al)	P.E.	Private Entrance	TRANS	Transition
EL or ELEV	Elevation	R	Radius	TL or T/L	Transit Line
ESALS	Equivalent Single Axle Loads	RR	Railroad	T	Trucks (percent of)
EBS	Excavation Below Subgrade	R	Range	TYP	Typical
FF	Face to Face	RL or R/L	Reference Line	UNCL	Unclassified
F.E.	Field Entrance	RP	Reference Point	UG	Underground Cable
F	Fill	RCCP	Reinforced Concrete Culvert Pipe	USH	United States Highway
FG	Finished Grade	REQD	Required	VAR	Variable
FL or F/L	Flow Line	RES	Residence or Residential	V	Velocity or Design Speed
FT	Foot	RW	Retaining Wall	VERT	Vertical
FTG	Footing	RT	Right	VC	Vertical Curve
GN	Grid North	RHF	Right-Hand Forward	VOL	Volume
HT	Height	R/W	Right-of-Way	WM	Water Main
CWT	Hundredweight	RD	Road	WV	Water Valve
HYD	Hydrant	R	River	W	West
INL	Inlet			WB	Westbound
ID	Inside Diameter			YD	Yard

ORDER OF SECTION 2 SHEETS:

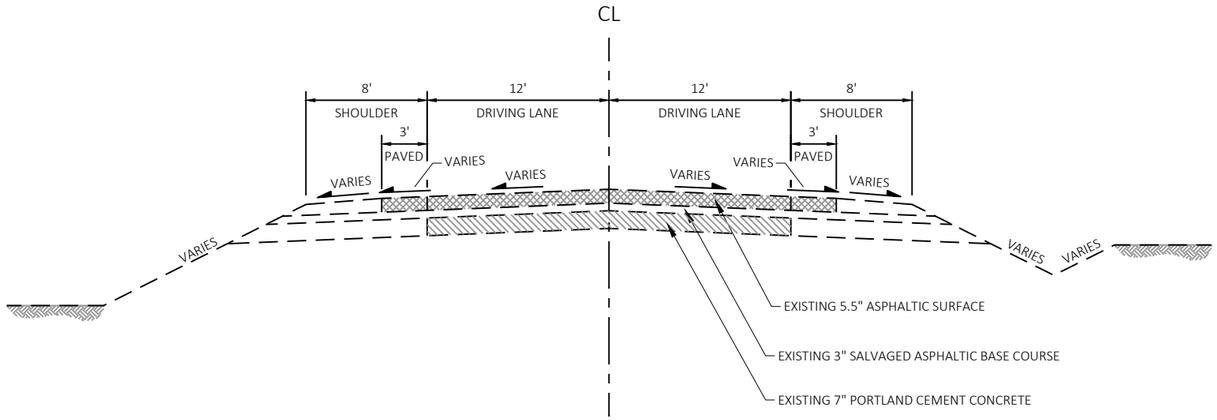
- WRITTEN MATERIAL
- TYPICAL SECTIONS
- CONSTRUCTION DETAILS
- PAVEMENT MARKING PLAN
- TRAFFIC CONTROL/DETOUR
- ALIGNMENT AND TIES

RUNOFF COEFFICIENT TABLE

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

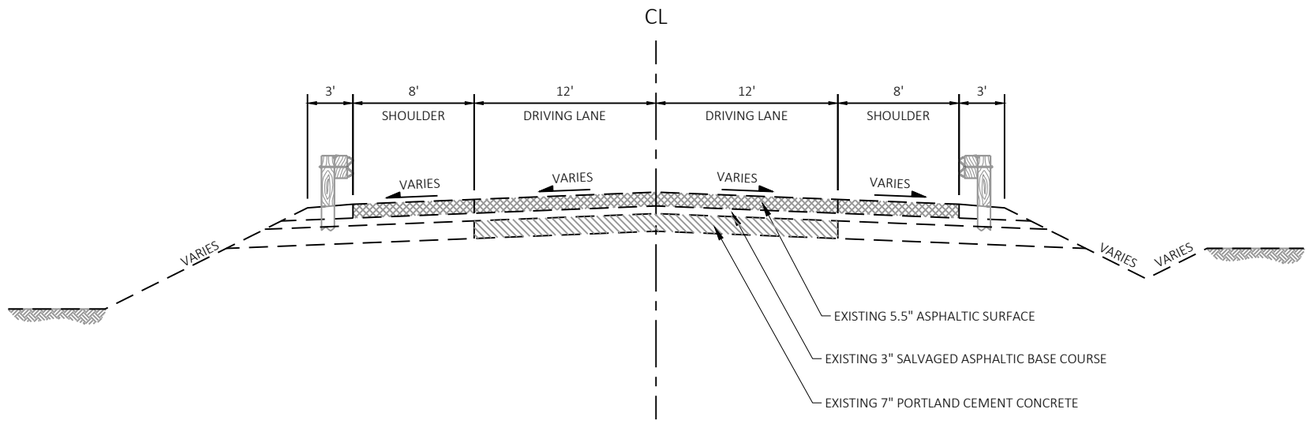
TOTAL PROJECT AREA = 3.02 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.90 ACRES

2



TYPICAL EXISTING SECTION

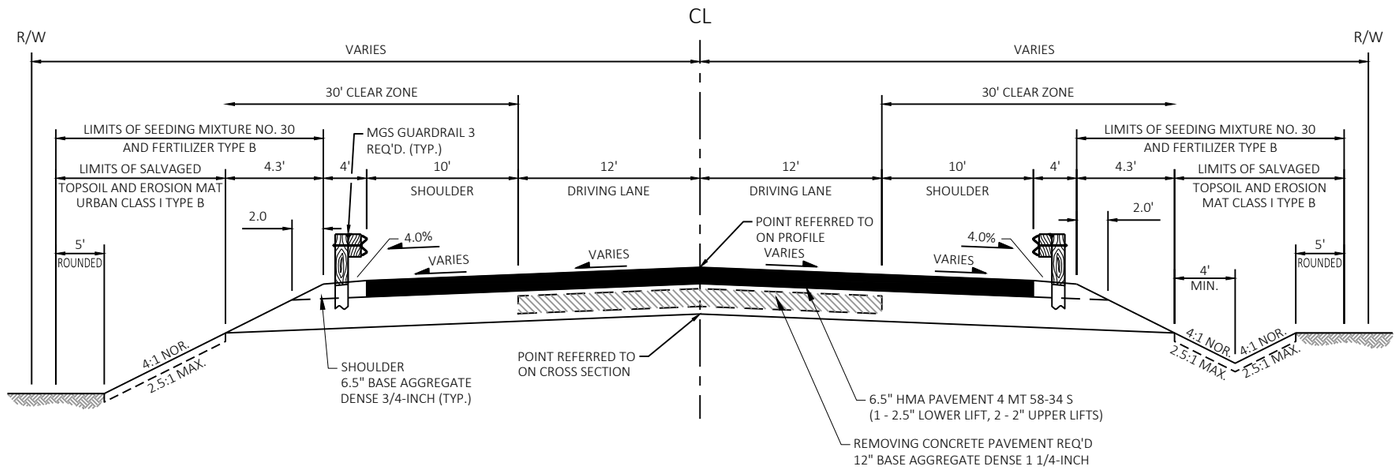
STA. 18+50 - STA. 19+25
STA. 22+30 - STA. 22+65.60
STA. 28+40 - STA. 28+75
STA. 32+25 - STA. 32+56



TYPICAL EXISTING SECTION

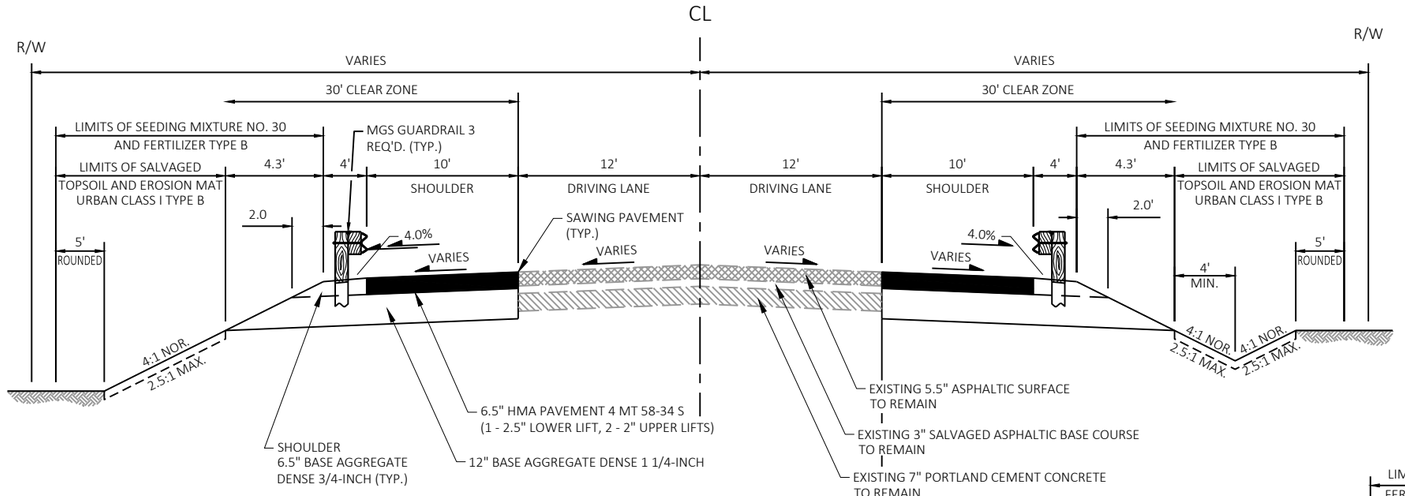
STA. 19+25 - STA. 22+30
STA. 28+75 - STA. 32+25

PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	TYPICAL SECTIONS	SHEET 3	E



TYPICAL FINISHED SECTION

STA. 19+75 - STA. 21+25
STA. 29+75 - STA. 31+25

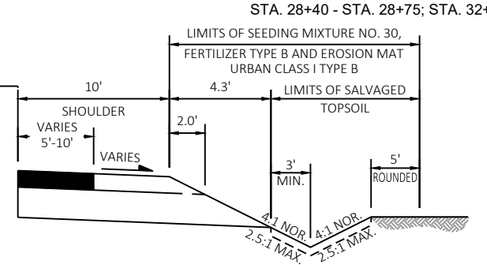


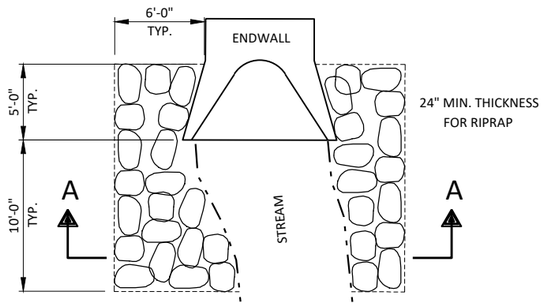
TYPICAL FINISHED SECTION

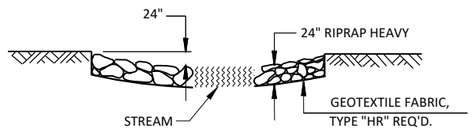
STA. 18+50 - STA. 19+75
STA. 21+25 - STA. 22+65.60
STA. 28+40 - STA. 29+75
STA. 31+25 - STA. 32+56

PARTIAL SHOULDER SECTION

STA. 18+50 - STA. 19+30; STA. 22+30 - STA. 22+65.60, LT.
STA. 18+50 - STA. 18+80; STA. 21+80 - STA. 22+65.60, RT.
STA. 28+40 - STA. 29+00; STA. 32+25 - STA. 32+56, LT.
STA. 28+40 - STA. 28+75; STA. 32+00 - STA. 32+56, RT.





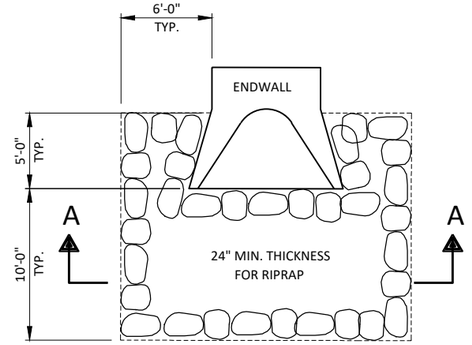


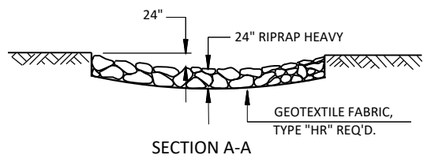
SECTION A-A

NOTE: RIPRAP FOR CULVERT ENDWALLS AT STA. 20+50 AND STA. 30+60 TO BE PLACED OUTSIDE OF STREAM

RIPRAP HEAVY TREATMENT AT CULVERTS

STA. 20+50
STA. 30+60

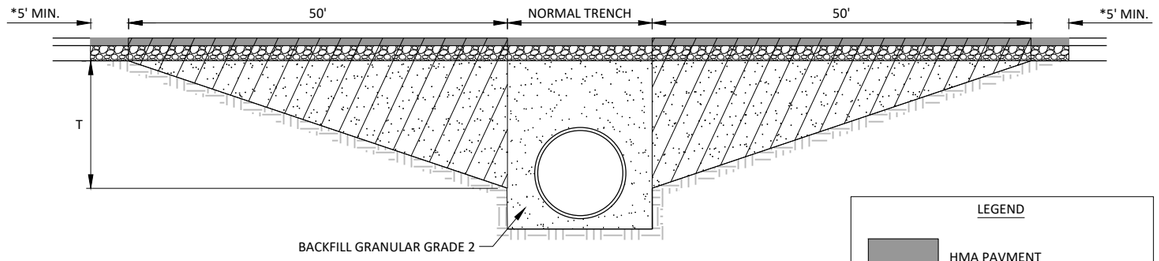




SECTION A-A

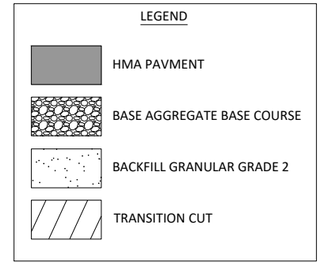
RIPRAP HEAVY TREATMENT AT CULVERTS

STA. 30+40



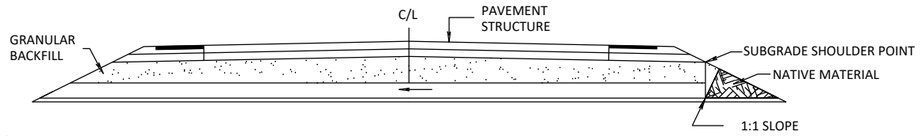
CROSS DRAIN INSTALLATION DETAIL

FOR D≥ 6'



*PAVEMENT REMOVAL LIMITS (TYP.)

TRANSITION CUT DEPTH (T) = THE LESSER OF DEPTH TO CENTER OF PIPE OR 5 FT. DO NOT EXTEND TRANSITION CUT BELOW HORIZONTAL CENTER OF PIPE

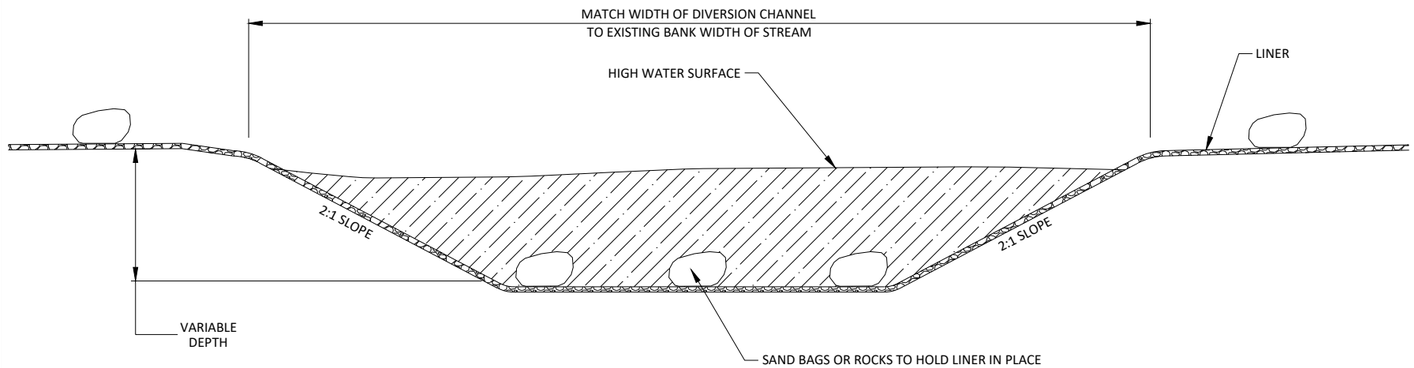


NOTES:

TRANSITION CUT IS INCIDENTAL TO PIPE EXCAVATION.

TRANSITON CUT WIDTH IS FROM SUBGRADE SHOULDER POINT TO SUBGRADE SHOULDER POINT.

BACKFILL GRANULAR GRADE 2 IS INCIDENTAL TO CULVERT PIPE BID ITEM.



DIVERSION CHANNEL

THE DIVERSION CHANNEL WILL BE PAID FOR AS "TEMPORARY WATER DIVERSION"

2

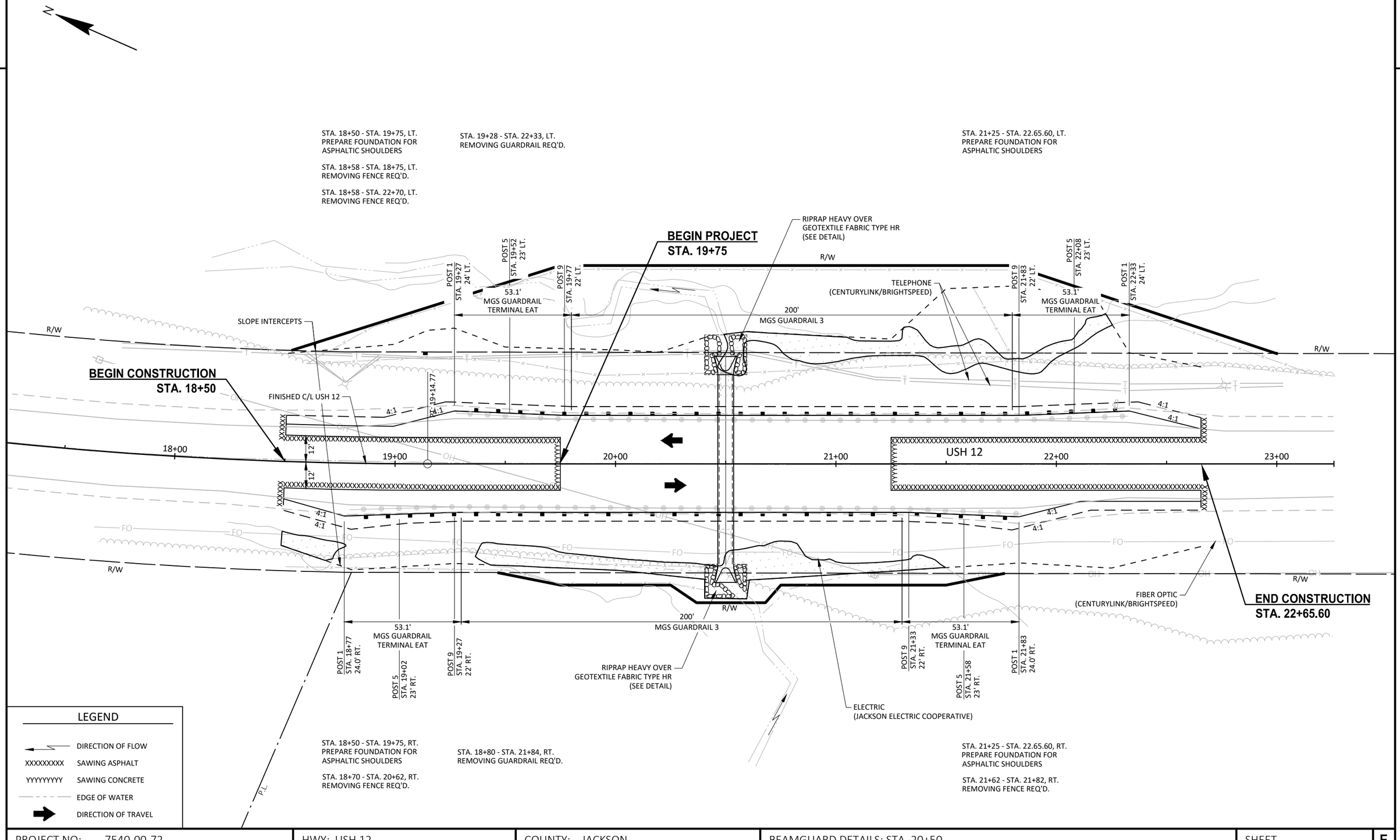
STA. 18+50 - STA. 19+75, LT.
PREPARE FOUNDATION FOR
ASPHALTIC SHOULDERS

STA. 18+58 - STA. 18+75, LT.
REMOVING FENCE REQ'D.

STA. 18+58 - STA. 22+70, LT.
REMOVING FENCE REQ'D.

STA. 19+28 - STA. 22+33, LT.
REMOVING GUARDRAIL REQ'D.

STA. 21+25 - STA. 22.65.60, LT.
PREPARE FOUNDATION FOR
ASPHALTIC SHOULDERS



LEGEND

- DIRECTION OF FLOW
- XXXXXXXXX SAWING ASPHALT
- YYYYYYYYY SAWING CONCRETE
- EDGE OF WATER
- DIRECTION OF TRAVEL

STA. 18+50 - STA. 19+75, RT.
PREPARE FOUNDATION FOR
ASPHALTIC SHOULDERS

STA. 18+70 - STA. 20+62, RT.
REMOVING FENCE REQ'D.

STA. 18+80 - STA. 21+84, RT.
REMOVING GUARDRAIL REQ'D.

STA. 21+25 - STA. 22.65.60, RT.
PREPARE FOUNDATION FOR
ASPHALTIC SHOULDERS

STA. 21+62 - STA. 21+82, RT.
REMOVING FENCE REQ'D.

PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	BEAMGUARD DETAILS: STA. 20+50	SHEET 6	E

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STA. 28+40 - STA. 29+75, LT.
PREPARE FOUNDATION FOR
ASPHALTIC SHOULDERS

STA. 29+03 - STA. 32+21, LT.
REMOVING GUARDRAIL REQ'D.

STA. 31+25 - STA. 32+56, LT.
PREPARE FOUNDATION FOR
ASPHALTIC SHOULDERS

P.L.

POST 1
STA. 28+97
24' LT.

POST 5
STA. 29+22
23 LT.

POST 9
STA. 29+47
22' LT.

53.1'
MGS GUARDRAIL
TERMINAL EAT

225'
MGS GUARDRAIL 3

RIPRAP HEAVY OVER
GEOTEXTILE FABRIC TYPE HR
(SEE DETAIL)

POST 9
STA. 31+78
22' LT.

POST 5
STA. 32+03
23 LT.

53.1'
MGS GUARDRAIL
TERMINAL EAT

POST 1
STA. 32+28
24' LT.

NATURAL GAS
(WE ENERGIES)

SLOPE INTERCEPTS

R/W

ELECTRIC TRANSMISSION
(XCEL ENERGY)

FIBER OPTIC
(CENTURYLINK/BRIGHTSPEED)

END PROJECT
STA. 31+25

BEGIN CONSTRUCTION
STA. 28+40

END CONSTRUCTION
STA. 32+56

BP: 27+38.60

EP: 33+

FINISHED C/L USH 12

4:1

12'

28+00

29+00

30+00

31+00

32+00

33+00

USH 12

POST 1
STA. 28+72
24.0' RT.

POST 5
STA. 28+97
23' RT.

POST 9
STA. 29+22
22' RT.

POST 9
STA. 31+53
22' RT.

POST 5
STA. 31+78
23' RT.

POST 1
STA. 32+03
24.0' RT.

TELEPHONE
(CENTURYLINK/BRIGHTSPEED)

ELECTRIC
(JACKSON ELECTRIC COOPERATIVE)

OH

FO

T

G

LEGEND

- DIRECTION OF FLOW
- XXXXXXXXX SAWING ASPHALT
- YYYYYYYYY SAWING CONCRETE
- EDGE OF WATER
- DIRECTION OF TRAVEL

STA. 28+40 - STA. 29+75, RT.
PREPARE FOUNDATION FOR
ASPHALTIC SHOULDERS

STA. 28+74 - STA. 31+92, RT.
REMOVING GUARDRAIL REQ'D.

STA. 31+25 - STA. 32+56, RT.
PREPARE FOUNDATION FOR
ASPHALTIC SHOULDERS

PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	BEAMGUARD DETAILS: STA. 30+50	SHEET 7	E

FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\SHEETSPLAN\DETAILS\W11603_BEAMGUARD DETAILS.DWG
LAYOUT NAME - South

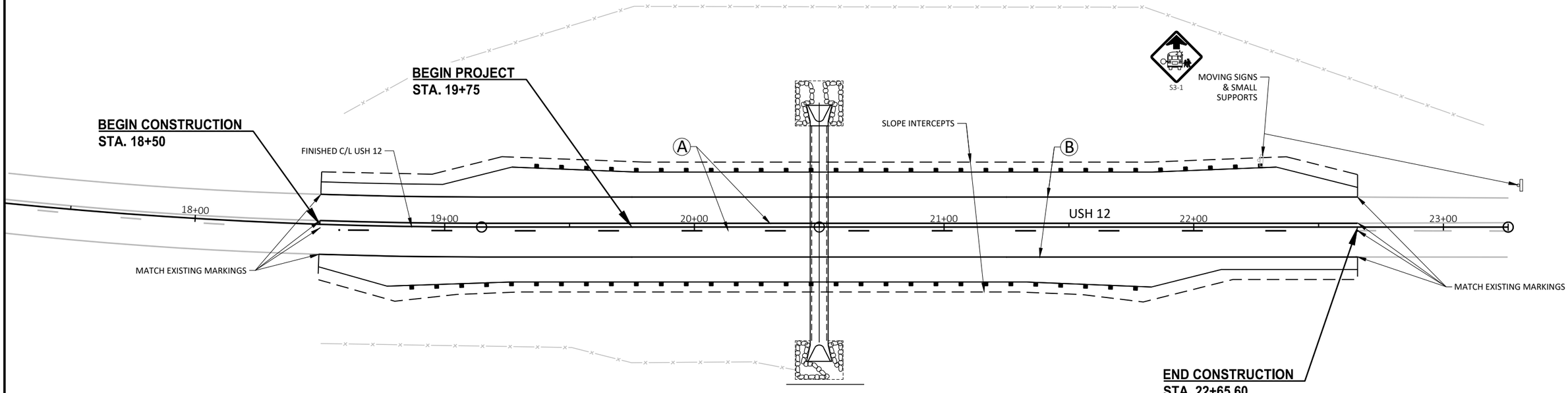
PLOT DATE : 5/1/2023 11:41 AM PLOT BY : JEFF SMITH PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

LEGEND

- (A) MARKING LINE 4-INCH EPOXY (YELLOW CENTERLINE)
- (B) MARKING LINE 4-INCH EPOXY (WHITE EDGELINE)
- PROPOSED LOCATION OF MOVING SIGNS (EXACT LOCATION DETERMINED BY ENGINEER IN FIELD)



PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	PAVEMENT MARKING AND SIGNING PLAN: STA. 20+50	SHEET 8	E

FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\SHEETSPLAN\DETAILS\W11603_PAVEMENT MARKING.DWG
LAYOUT NAME - C-27-7799

PLOT DATE : 3/30/2023 9:36 AM PLOT BY : KARTER ZAJICEK PLOT NAME : PLOT SCALE : ##########

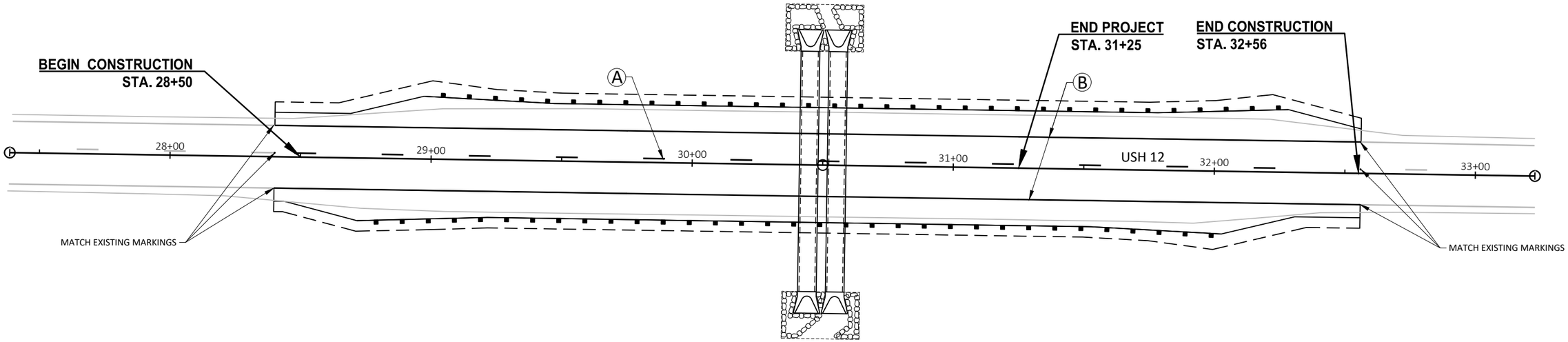
2

N

LEGEND

Ⓐ MARKING LINE 4-INCH EPOXY (YELLOW CENTERLINE)

Ⓑ MARKING LINE 4-INCH EPOXY (WHITE EDGELINE)



PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	PAVEMENT MARKING AND SIGNING PLAN: C-27-7817	SHEET 9	E

FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\SHEETSPLAN\DETAILS\W11603_PAVEMENT MARKING.DWG
LAYOUT NAME - C-27-7817

PLOT DATE : 3/30/2023 9:36 AM PLOT BY : KARTER ZAJICEK PLOT NAME : PLOT SCALE : ##########

GENERAL NOTES:

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

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED OR REMOVED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.

"WO" AND "MO" SERIES SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT LOCATION OF PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

DETOUR SIGNS SHALL BE COVERED OR REMOVED WHEN DETOUR IS NOT IN USE OR AS DIRECTED BY THE ENGINEER.

INSTALL DETOUR SIGNS ON OUTSIDE SHOULDER AND MEDIAN SIDE ON DIVIDED ROADWAY.

LEGEND

- DETOUR ROUTE
- COVER SIGN
- WORK AREA
- SIGN ON PERMANENT SUPPORT
- EXISTING SIGN ON SINGLE POST
- EXISTING SIGN ON DOUBLE POST
- TRAFFIC CONTROL DETOUR SIGN
- TYPE III BARRICADE W/ ATTACHED SIGN AND W/ TRAFFIC CONTROL LIGHTS TYPE A
- BARRICADES TYPE III
- PCMS — TRAFFIC CONTROL SIGNS PCMS PLACED AT BEGIN AND END OF PROJECT LIMITS FOR 7 CALENDAR DAYS PRIOR TO BEGINNING OF PROJECT

ROAD CLOSED BEGINS	{DAY} {DATE}

(1) M4-8 24"X12" DETOUR DETOUR M4-8 24"X12"; M3-2 24"X12" EAST SOUTH M3-3 24"X12"; M1-54 24"X24" 12 27 M1-6 24"X24"

(2) M4-8 36"X18" DETOUR DETOUR M4-8 36"X18"; M3-2 36"X24" EAST SOUTH M3-3 36"X24"; M1-54 36"X36" 12 27 M1-6 36"X36"

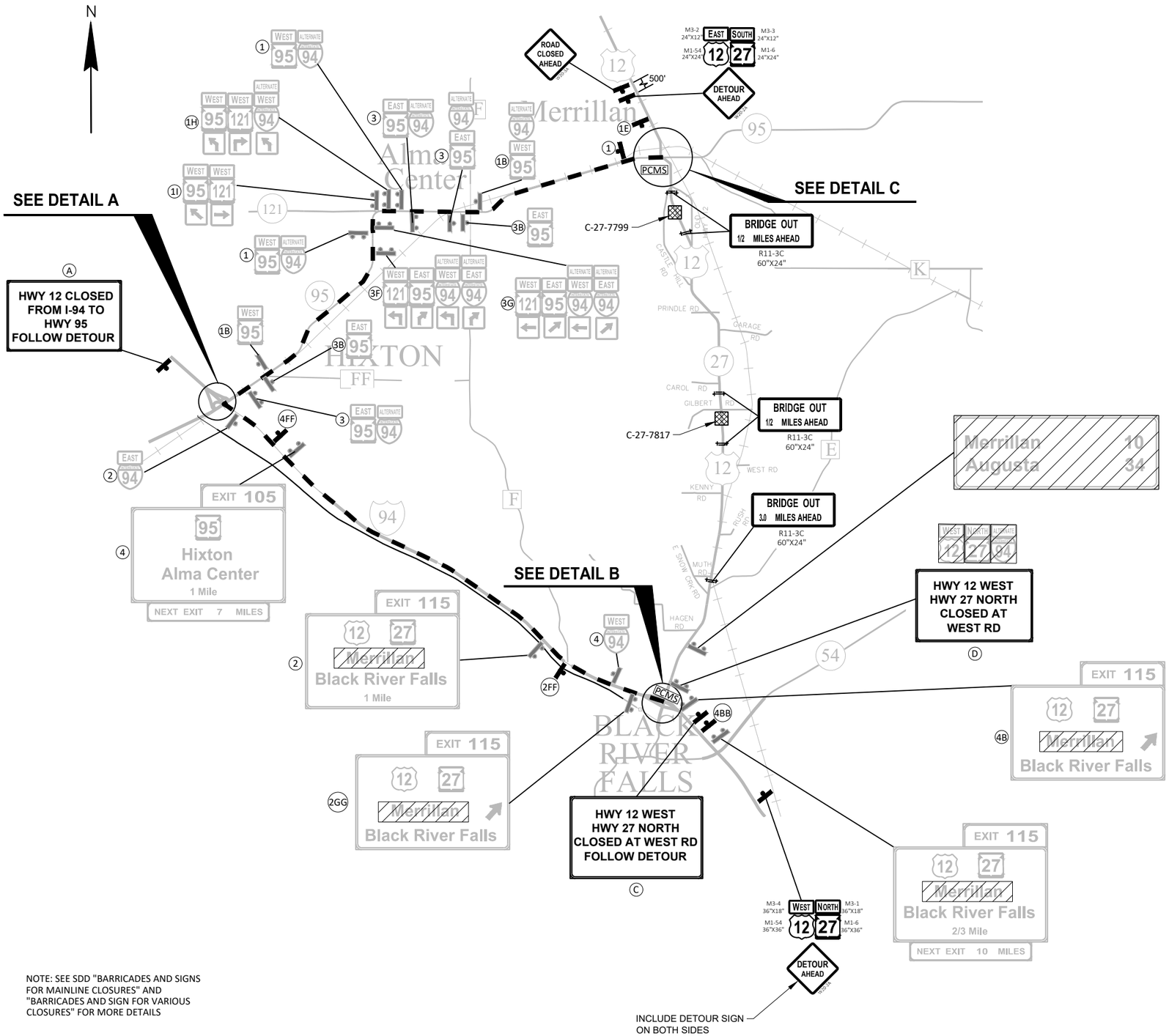
(3) M4-8 24"X12" DETOUR DETOUR M4-8 24"X12"; M3-4 24"X12" WEST NORTH M3-1 24"X12"; M1-54 24"X24" 12 27 M1-6 24"X24"

(4) M4-8 36"X18" DETOUR DETOUR M4-8 36"X18"; M3-4 36"X24" WEST NORTH M3-1 36"X24"; M1-54 36"X36" 12 27 M1-6 36"X36"

(A) MO6-1 21"X21" (B) MO6-1 21"X21" (C) MO6-1 21"X21" (D) MO5-1L 21"X21" (E) MO5-1R 21"X21" (F) MO5-2R 21"X21" (G) MO6-2 21"X21" (H) MO5-2L 21"X21" (I) MO6-2 21"X21"

(BB) MO6-1 30"X30"

(FF) MO5-2R 30"X30" (GG) MO6-2 30"X30"



NOTE: SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" AND "BARRICADES AND SIGN FOR VARIOUS CLOSURES" FOR MORE DETAILS

PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	DETOUR PLAN	SHEET 10	E

GENERAL NOTES:

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

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED OR REMOVED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.

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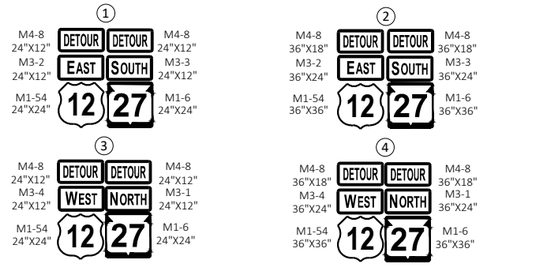
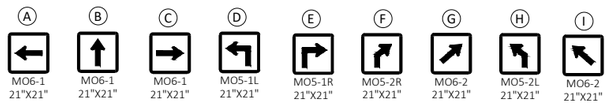
INSTALL DETOUR SIGNS ON OUTSIDE SHOULDER AND MEDIAN SIDE ON DIVIDED ROADWAY.

LEGEND

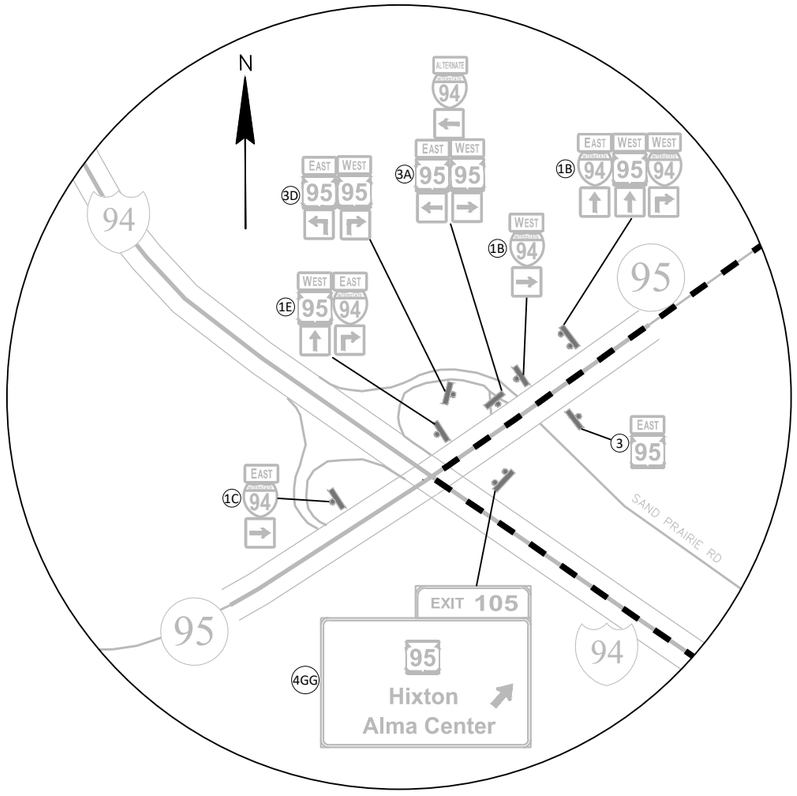
- DETOUR ROUTE
- COVER SIGN
- WORK AREA
- SIGN ON PERMANENT SUPPORT
- EXISTING SIGN ON SINGLE POST
- EXISTING SIGN ON DOUBLE POST
- TRAFFIC CONTROL DETOUR SIGN
- TYPE III BARRICADE W/ ATTACHED SIGN AND W/ TRAFFIC CONTROL LIGHTS TYPE A
- BARRICADES TYPE III
- PCMS — TRAFFIC CONTROL SIGNS PCMS PLACED AT BEGIN AND END OF PROJECT LIMITS FOR 7 CALENDAR DAYS PRIOR TO BEGINNING OF PROJECT

ROAD CLOSED BEGINS	{DAY} {DATE}



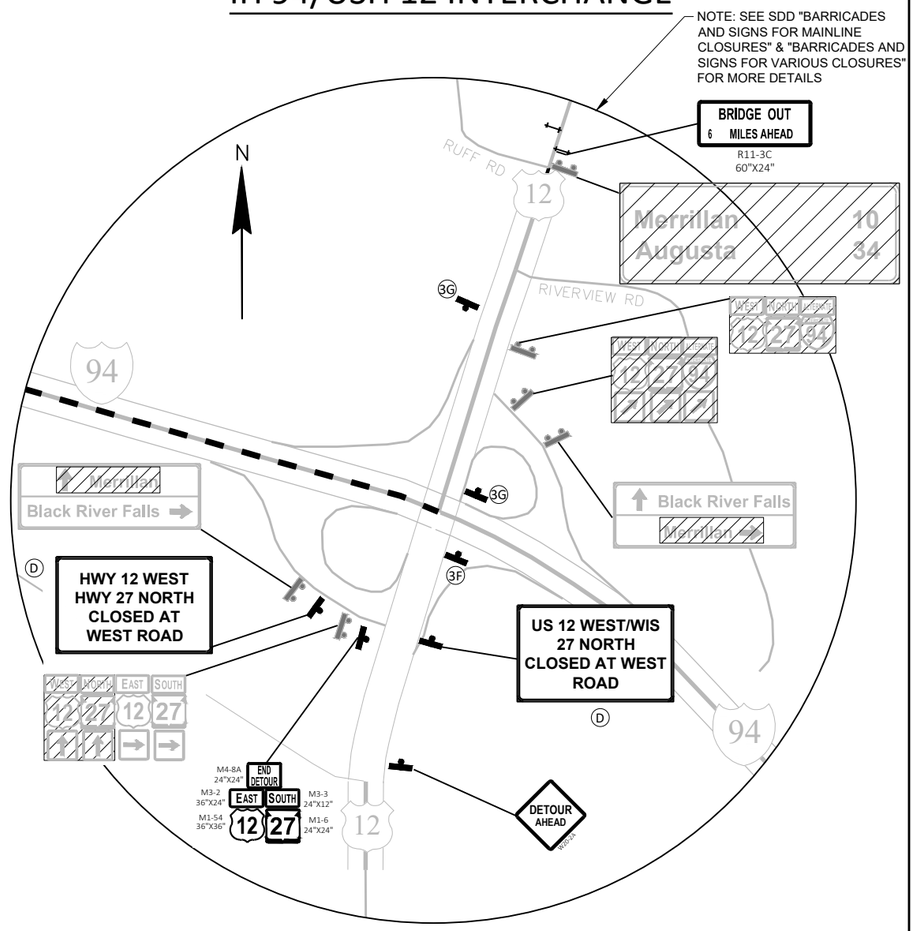


IH 94/STH 95 INTERCHANGE



DETAIL A

IH 94/USH 12 INTERCHANGE



DETAIL B

PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	DETOUR PLAN	SHEET 11	E

GENERAL NOTES:

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LEGEND

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- COVER SIGN
- WORK AREA
- SIGN ON PERMANENT SUPPORT
- EXISTING SIGN ON SINGLE POST
- EXISTING SIGN ON DOUBLE POST
- TRAFFIC CONTROL DETOUR SIGN
- TYPE III BARRICADE W/ ATTACHED SIGN AND W/ TRAFFIC CONTROL LIGHTS TYPE A
- BARRICADES TYPE III
- PCMS — TRAFFIC CONTROL SIGNS PCMS PLACED AT BEGIN AND END OF PROJECT LIMITS FOR 7 CALENDAR DAYS PRIOR TO BEGINNING OF PROJECT

ROAD CLOSED BEGINS	{DAY} {DATE}

① M4-8 24"X12" DETOUR DETOUR M4-8 24"X12" / M3-2 24"X12" EAST SOUTH M3-3 24"X12" / M1-54 24"X24" 12 27 M1-6 24"X24"

② M4-8 36"X18" DETOUR DETOUR M4-8 36"X18" / M3-2 36"X24" EAST SOUTH M3-3 36"X24" / M1-54 36"X36" 12 27 M1-6 36"X36"

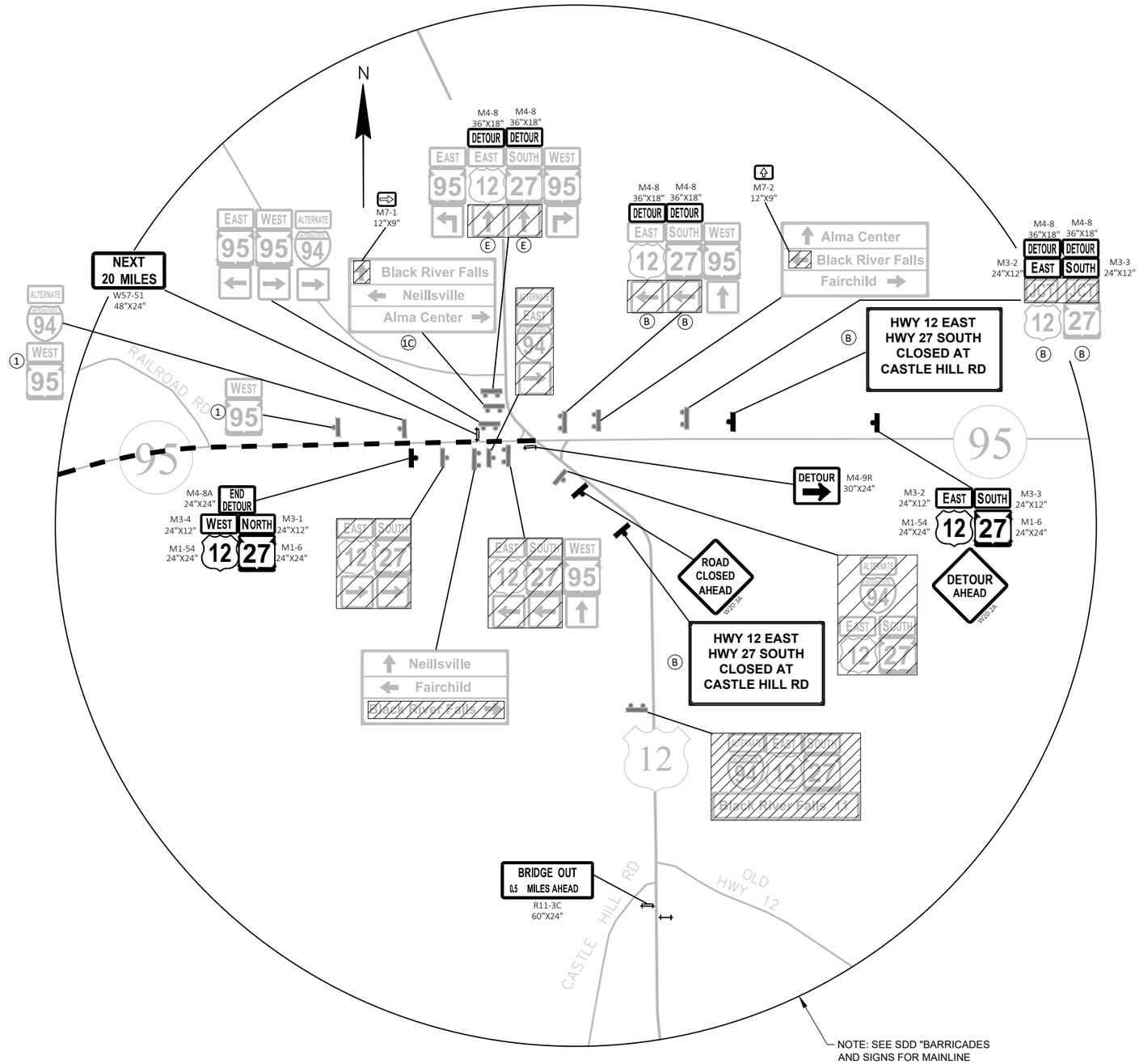
③ M4-8 24"X12" DETOUR DETOUR M4-8 24"X12" / M3-4 24"X12" WEST NORTH M3-1 24"X12" / M1-54 24"X24" 12 27 M1-6 24"X24"

④ M4-8 36"X18" DETOUR DETOUR M4-8 36"X18" / M3-4 36"X24" WEST NORTH M3-1 36"X24" / M1-54 36"X36" 12 27 M1-6 36"X36"

A	B	C	D	E	F	G	H	I
MO6-1 21"X21"	MO6-1 21"X21"	MO6-1 21"X21"	MO5-1L 21"X21"	MO5-1R 21"X21"	MO5-2R 21"X21"	MO6-2 21"X21"	MO5-2L 21"X21"	MO6-2 21"X21"

BB MO6-1 30"x30" — FF MO5-2R 30"X30" — GG MO6-2 30"X30"

STH 95/USH 12 INTERSECTION



DETAIL C

NOTE: SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" & "BARRICADES AND SIGNS FOR VARIOUS CLOSURES" FOR MORE DETAILS

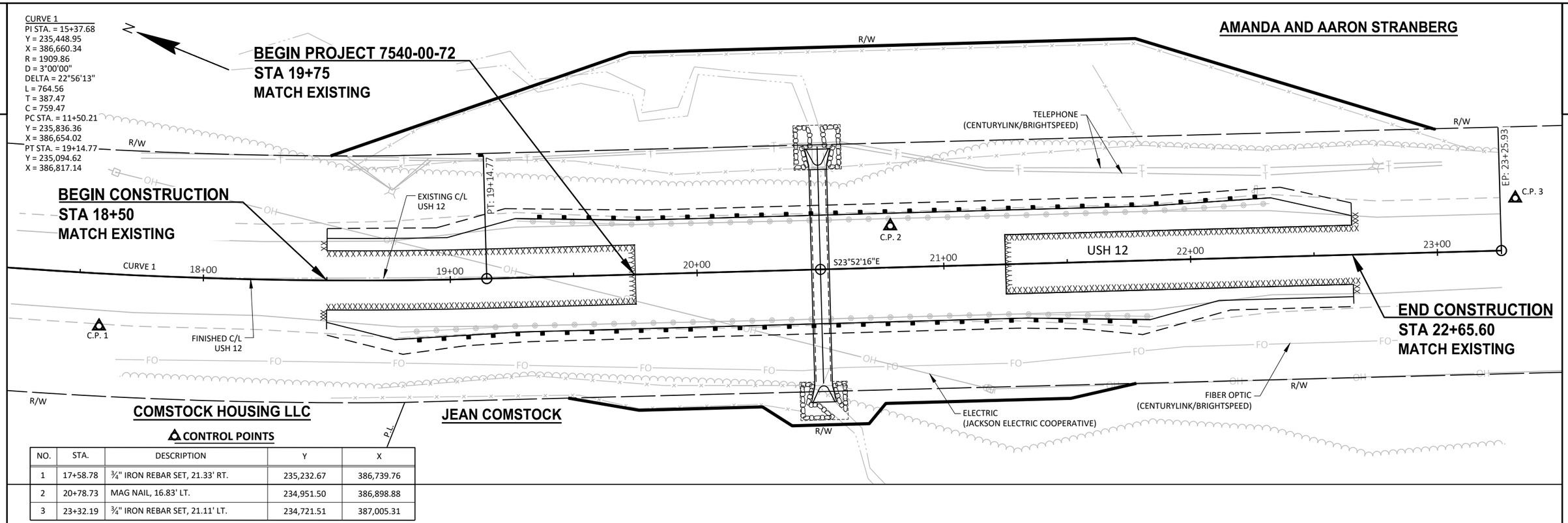
2

PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	DETOUR PLAN	SHEET 12	E

FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\SHEETSPLAN\DETAILS\W11603_DETOUR PLAN.DWG PLOT DATE : 4/26/2023 4:14:43 PM PLOT BY : JEFF SMITH PLOT SCALE : 1" = 1' LAYOUT : LAYOUT3

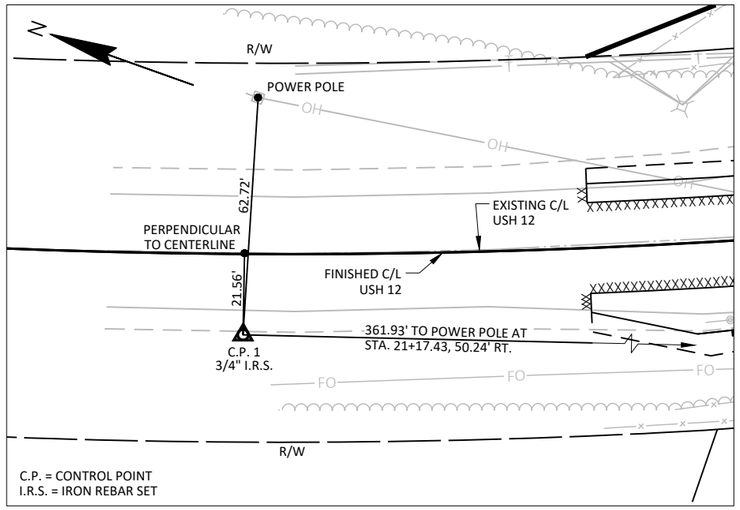
2

CURVE 1
PI STA. = 15+37.68
Y = 235,448.95
X = 386,660.34
R = 1909.86
D = 3°00'00"
DELTA = 22°56'13"
L = 764.56
T = 387.47
C = 759.47
PC STA. = 11+50.21
Y = 235,836.36
X = 386,654.02
PT STA. = 19+14.77
Y = 235,094.62
X = 386,817.14

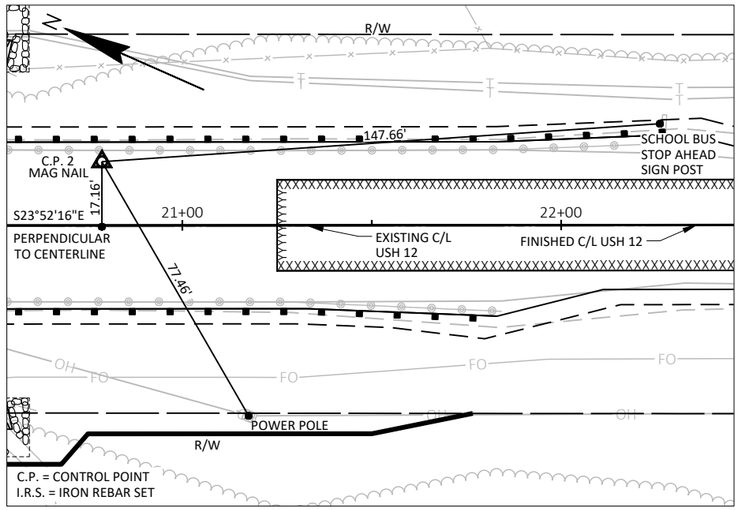


CONTROL POINTS

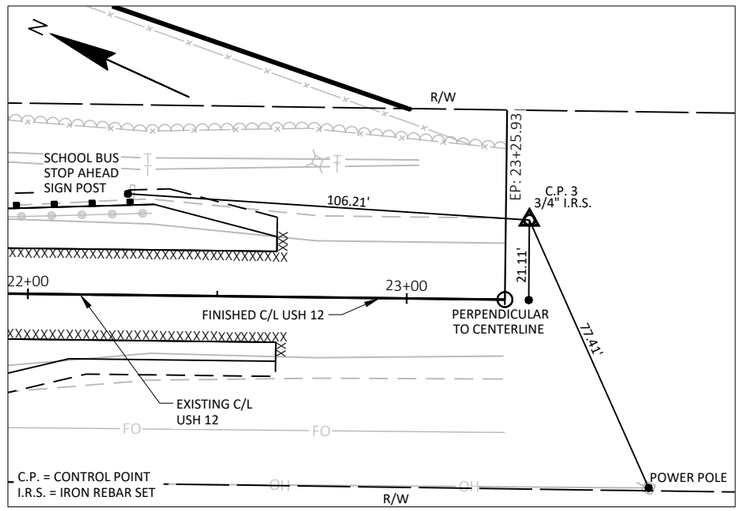
NO.	STA.	DESCRIPTION	Y	X
1	17+58.78	¾" IRON REBAR SET, 21.33' RT.	235,232.67	386,739.76
2	20+78.73	MAG NAIL, 16.83' LT.	234,951.50	386,898.88
3	23+32.19	¾" IRON REBAR SET, 21.11' LT.	234,721.51	387,005.31



TIES TO C.P. 1
STA. 17+58.78; 21.33' RT.
Y = 235,232.67
X = 386,739.76



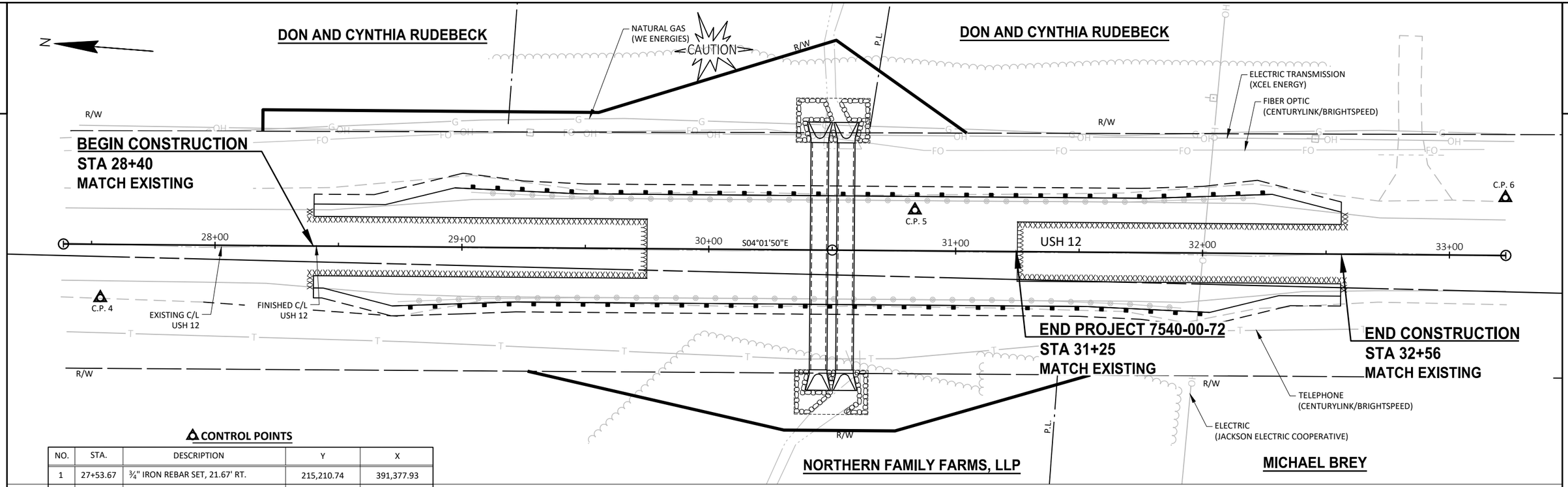
TIES TO C.P. 2
STA. 20+78.73; 16.83' LT.
Y = 234,951.50
X = 386,898.88



TIES TO C.P. 3
STA. 23+32.19; 21.11' LT.
Y = 234,721.51
X = 387,005.31

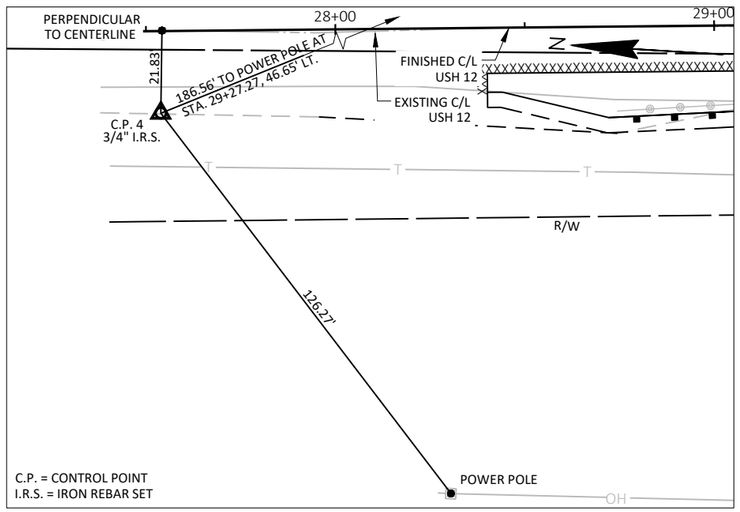
PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	ALIGNMENT AND TIES	SHEET 13	E

FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\SHEETSPLAN\DETAILS\W11603_ALIGN&TIES.DWG
LAYOUT : LAYOUT1
PLOT DATE : 3/30/2023
PLOT TIME : 9:37:12 AM
PLOT BY : KARTER ZAJICEK
PLOT SCALE : 1" = 1'

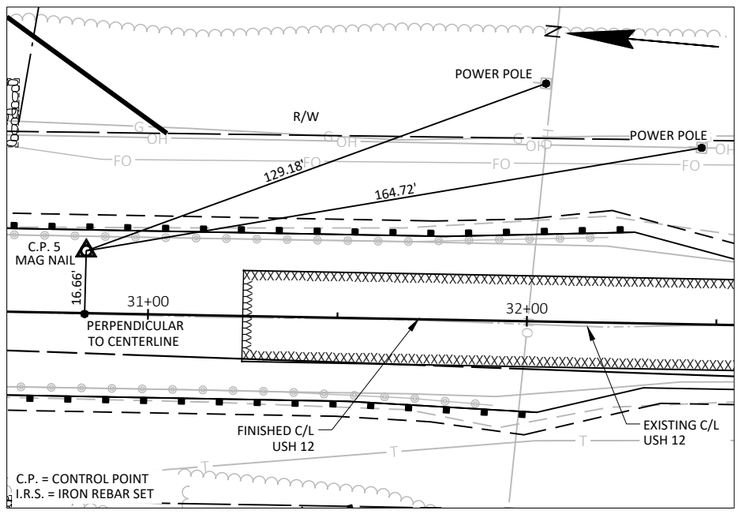


CONTROL POINTS

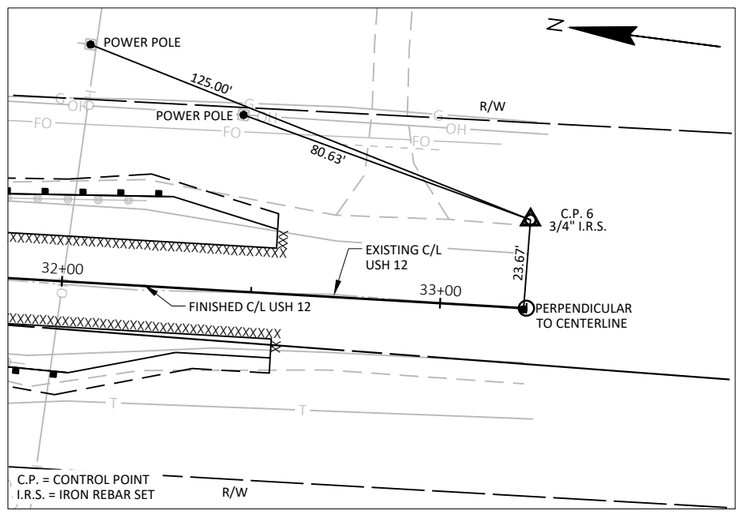
NO.	STA.	DESCRIPTION	Y	X
1	27+53.67	¾" IRON REBAR SET, 21.67' RT.	215,210.74	391,377.93
2	30+83.37	MAG NAIL, 16.44' LT.	214,884.54	391,439.12
3	33+22.52	¾" IRON REBAR SET, 23.36' LT.	214,646.47	391,462.83



TIES TO C.P. 4
STA. 27+53.67; 21.67' RT.
Y = 215,210.74
X = 391,377.93



TIES TO C.P. 5
STA. 30+89.37; 16.44' LT.
Y = 214,884.54
X = 391,439.12



TIES TO C.P. 6
STA. 33+22.52; 23.36' LT.
Y = 214,646.47
X = 391,462.83

PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	ALIGNMENT AND TIES	SHEET 14	E

FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\SHEETSPLAN\DETAILS\W11603_ALIGN&TIES.DWG
LAYOUT : LAYOUT2
PLOT DATE : 3/30/2023
PLOT TIME : 9:37:16 AM
PLOT BY : KARTER ZAJICEK
PLOT SCALE : 1" = 1'

Estimate Of Quantities

7540-00-72

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	7.000	7.000
0004	201.0205	Grubbing	STA	7.000	7.000
0006	203.0250	Removing Structure Over Waterway Remove Debris (structure) 01. C-27-7799	EACH	1.000	1.000
0008	203.0250	Removing Structure Over Waterway Remove Debris (structure) 02. C-27-7817	EACH	1.000	1.000
0010	204.0100	Removing Concrete Pavement	SY	880.000	880.000
0012	204.0165	Removing Guardrail	LF	1,250.000	1,250.000
0014	204.0170	Removing Fence	LF	670.000	670.000
0016	205.0100	Excavation Common	CY	1,314.000	1,314.000
0018	208.0100	Borrow	CY	34.000	34.000
0020	211.0101	Prepare Foundation for Asphaltic Paving (project) 01. 7540-00-72	EACH	1.000	1.000
0022	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	12.000	12.000
0024	213.0100	Finishing Roadway (project) 01. 7540-00-72	EACH	1.000	1.000
0026	305.0110	Base Aggregate Dense 3/4-Inch	TON	360.000	360.000
0028	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	2,890.000	2,890.000
0030	455.0605	Tack Coat	GAL	340.000	340.000
0032	460.2000	Incentive Density HMA Pavement	DOL	660.000	660.000
0034	460.6244	HMA Pavement 4 MT 58-34 S	TON	1,030.000	1,030.000
0036	522.0172	Culvert Pipe Reinforced Concrete Class III 72-Inch	LF	270.000	270.000
0038	522.1072	Apron Endwalls for Culvert Pipe Reinforced Concrete 72-Inch	EACH	6.000	6.000
0040	606.0300	Riprap Heavy	CY	120.000	120.000
0042	614.2300	MGS Guardrail 3	LF	850.000	850.000
0044	614.2610	MGS Guardrail Terminal EAT	EACH	8.000	8.000
0046	618.0100	Maintenance and Repair of Haul Roads (project) 01. 7540-00-72	EACH	1.000	1.000
0048	619.1000	Mobilization	EACH	1.000	1.000
0050	624.0100	Water	MGAL	50.000	50.000
0052	625.0500	Salvaged Topsoil	SY	5,100.000	5,100.000
0054	628.1504	Silt Fence	LF	2,110.000	2,110.000
0056	628.1520	Silt Fence Maintenance	LF	4,220.000	4,220.000
0058	628.1905	Mobilizations Erosion Control	EACH	4.000	4.000
0060	628.1910	Mobilizations Emergency Erosion Control	EACH	4.000	4.000
0062	628.2008	Erosion Mat Urban Class I Type B	SY	5,100.000	5,100.000
0064	629.0210	Fertilizer Type B	CWT	5.000	5.000
0066	630.0130	Seeding Mixture No. 30	LB	160.000	160.000
0068	630.0200	Seeding Temporary	LB	160.000	160.000
0070	630.0300	Seeding Borrow Pit	LB	2.000	2.000
0072	630.0500	Seed Water	MGAL	130.000	130.000
0074	633.5200	Markers Culvert End	EACH	4.000	4.000
0076	638.2102	Moving Signs Type II	EACH	1.000	1.000
0078	638.4000	Moving Small Sign Supports	EACH	1.000	1.000
0080	642.5001	Field Office Type B	EACH	1.000	1.000
0082	643.0420	Traffic Control Barricades Type III	DAY	1,000.000	1,000.000
0084	643.0705	Traffic Control Warning Lights Type A	DAY	1,550.000	1,550.000
0086	643.0900	Traffic Control Signs	DAY	9,400.000	9,400.000
0088	643.0920	Traffic Control Covering Signs Type II	EACH	40.000	40.000
0090	643.1000	Traffic Control Signs Fixed Message	SF	188.000	188.000
0092	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000
0094	643.5000	Traffic Control	EACH	1.000	1.000
0096	645.0120	Geotextile Type HR	SY	260.000	260.000
0098	646.1020	Marking Line Epoxy 4-Inch	LF	2,730.000	2,730.000
0100	650.4500	Construction Staking Subgrade	LF	832.000	832.000

Estimate Of Quantities

7540-00-72

Line	Item	Item Description	Unit	Total	Qty
0102	650.5000	Construction Staking Base	LF	832.000	832.000
0104	650.6000	Construction Staking Pipe Culverts	EACH	3.000	3.000
0106	650.9911	Construction Staking Supplemental Control (project) 01. 7540-00-72	EACH	1.000	1.000
0108	650.9920	Construction Staking Slope Stakes	LF	832.000	832.000
0110	690.0150	Sawing Asphalt	LF	1,200.000	1,200.000
0112	690.0250	Sawing Concrete	LF	100.000	100.000
0114	SPV.0060	Special 01. Temporary Water Diversion C-27-7817	EACH	1.000	1.000
0116	SPV.0060	Special 02. Temporary Water Diversion C-27-7799	EACH	1.000	1.000

CLEARING & GRUBBING

STATION - STATION	LOCATION	201.0105 CLEARING (STA)	201.0205 GRUBBING (STA)
18+50 - 22+50	RT & LT	4	4
29+50 - 32+00	RT	3	3
	TOTAL =	7	7

REMOVING STRUCTURE OVER WATERWAY
REMOVE DEBRIS (STRUCTURE)

STRUCTURE	LOCATION	203.0250.01 (EACH)	203.0250.02 (EACH)
C-27-7799	MAINLINE	1	--
C-27-7817	MAINLINE	--	1
	TOTAL =	1	1

REMOVING CONCRETE PAVEMENT

STATION - STATION	LOCATION	204.0100 (SY)
19+75 - 21+25	MAINLINE	440
29+75 - 31+25	MAINLINE	440
	TOTAL =	880

REMOVING GUARDRAIL

STATION - STATION	LOCATION	204.0165 (LF)
18+80 - 21+84	RT	306
19+28 - 22+33	LT	306
28+74 - 31+92	RT	319
29+03 - 32+21	LT	319
	TOTAL =	1,250

REMOVING FENCE

STATION - STATION	LOCATION	204.0170 (LF)
18+58 - 18+75	LT	20
18+58 - 22+70	LT	415
18+70 - 20+62	RT	195
21+62 - 21+82	LT	40
	TOTAL =	670

BASE AGGREGATE DENSE

STATION - STATION	LOCATION	211.0400 PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS (STA)	305.0110 3/4-INCH (TON)	305.0120 1 1/4-INCH (TON)
18+50 - 22+66	MAINLINE	6	180	1,450
28+40 - 32+56	MAINLINE	6	180	1,440
	TOTAL =	12	360	2,890

HMA PAVEMENT

STATION - STATION	LOCATION	211.0101 PREPARE FOUNDATION FOR ASPHALTIC PAVING (PROJECT) (EACH)	455.0605 TACK COAT (GAL)	460.6244 HMA PAVEMENT 4 MT 58-34 S (TON)
18+50 - 22+66	MAINLINE	0.5	168	510
28+40 - 32+56	MAINLINE	0.5	172	520
	TOTAL =	1	340	1,030

EARTHWORK SUMMARY

STATION - STATION	LOCATION	(1) 205.0100 COMMON EXCAVATION CUT (2) (CY)	UNEXPANDED FILL (CY)	EXPANDED FILL (CY)	MASS ORDINATE +/- (CY)	208.0100 BORROW (CY)
18+50 - 19+75	MAINLINE	173	302	378	-205	205
21+25 - 22+66	MAINLINE	505	518	648	-143	143
28+40 - 29+75	MAINLINE	305	197	246	59	-59
31+25 - 32+56	MAINLINE	331	61	76	255	-255
	TOTALS =	1,314	1,078	1,348	-34	34

NOTES:
1.) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100
2.) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT
3.) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL
4.) EXPANDED FILL FACTOR 1.25: EXPANDED FILL = (UNEXPANDED FILL - (ROCK *ROCK FACTOR))*1.25
5.) THE MASS ORDINATE+ OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE CATEGORY. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE CATEGORY

CULVERT PIPE REINFORCED CONCRETE

STATION	LOCATION	522.0172 CLASS III 72-INCH (LF)	522.1072 APRON ENDWALLS FOR 72-INCH (EACH)
20+50	MAINLINE	86	2
30+40	MAINLINE	92	2
30+60	MAINLINE	92	2
	TOTALS =	270	6

NOTE: ALL PIPE JOINTS SHALL BE TIED

RIPRAP AND GEOTEXTILE FABRIC

STATION	LOCATION	606.0300 RIPRAP HEAVY (CY)	645.0120 GEOTEXTILE TYPE HR (SY)
20+50	MAINLINE, LT	25	55
20+50	MAINLINE, RT	25	55
30+30 - 30+65	MAINLINE, LT	35	75
30+30 - 30+66	MAINLINE, RT	35	75
	TOTALS =	120	260

MGS GUARDRAIL

STATION - STATION	LOCATION	614.2300 MGS GUARDRAIL 3 (LF)	614.2610 MGS GUARDRAIL TERMINAL EAT (EACH)
19+30 - 21+30	MAINLINE, RT	200	-
19+80 - 21+80	MAINLINE, LT	200	-
29+25 - 31+50	MAINLINE, RT	225	-
29+50 - 31+75	MAINLINE, LT	225	-
18+77 - 19+30	MAINLINE, RT	-	1
19+27 - 19+80	MAINLINE, LT	-	1
21+30 - 21+83	MAINLINE, RT	-	1
21+80 - 22+33	MAINLINE, LT	-	1
28+72 - 29+25	MAINLINE, RT	-	1
28+97 - 29+50	MAINLINE, LT	-	1
31+50 - 32+03	MAINLINE, RT	-	1
31+75 - 32+28	MAINLINE, LT	-	1
	TOTALS =	850	8

FINISHING ITEMS

STATION - STATION	LOCATION	625.0500 SALVAGED TOPSOIL (SY)	628.2008 EROSION MAT URBAN CLASS I TYPE B (SY)	629.0210 FERTILIZER TYPE B (CWT)	630.0130 SEEDING MIXTURE NO. 30 (LB)	630.0200 SEEDING TEMPORARY (LB)	630.0300 SEEDING BORROW PIT (LB)	630.0500 SEED WATER (MGAL)
18+50 - 22+66	MAINLINE	2,400	2,400	2	75	75	-	60
28+40 - 32+56	MAINLINE	1,700	1,700	2	55	55	-	45
-	UNDISTRIBUTED	1,000	1,000	1	30	30	1	25
-	BORROW PIT	-	-	-	-	-	1	-
	TOTALS =	5,100	5,100	5	160	160	2	130

WATER

PROJECT	624.0100 (MGAL)
7540-00-72	50

SILT FENCE

STATION - STATION	LOCATION	628.1504 SILT FENCE (LF)	628.1520 SILT FENCE MAINTENANCE (LF)
18+50 - 22+66	MAINLINE, RT	420	840
18+50 - 22+66	MAINLINE, LT	430	860
28+40 - 32+56	MAINLINE, RT	410	820
28+40 - 32+56	MAINLINE, LT	420	840
-	UNDISTRIBUTED	430	860
	TOTALS =	2,110	4,220

MOBILIZATIONS - EROSION CONTROL

STATION - STATION	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL (EACH)	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL (EACH)
PROJECT	MAINLINE	4	4

MARKERS CULVERT END

STATION	LOCATION	633.5200 (EACH)
20+50	MAINLINE	2
30+50	MAINLINE	2
	TOTAL=	4

3

3

TRAFFIC CONTROL

STATION	643.0420 BARRICADES TYPE III (DAYS)	643.0705 WARNING LIGHTS TYPE A (DAY)	643.0900 SIGNS (DAYS)	* 643.0920 COVERING SIGNS TYPE II (DAYS)	643.1050 SIGNS PCMS (DAYS)	643.5000 TRAFFIC CONTROL (EACH)	643.1000 SIGNS FIXED MESSAGE (SF)
PROJECT 7540-00-72	1,000	1,550	9,400	40	14	1	188

* ONE CYCLE PER LOCATION

NOTE: 25 CALENDAR DAYS USED FOR BARRICADES TYPE III, WARNING LIGHTS TYPE A, & SIGNS QUANTITIES

MOVING SIGNS

STATION - STATION	LOCATION	638.2102 MOVING SIGNS TYPE II (EACH)	638.4000 MOVING SMALL SIGN SUPPORTS (EACH)
22+26	MAINLINE, LT	1	1
	TOTALS =	1	1

PAVEMENT MARKING

STATION - STATION	LOCATION	DESCRIPTION	646.1020 MARKING LINE EPOXY 4-INCH (LF)
18+50 - 22+66	MAINLINE	YELLOW CENTERLINE	530
18+50 - 22+60	MAINLINE	WHITE EDGELINES	835
28+40 - 32+56	MAINLINE	YELLOW EDGELINES	530
28+40 - 32+56	MAINLINE	WHITE EDGELINES	835
		TOTALS =	2,730

CONSTRUCTION STAKING

STATION - STATION	LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE (LF)	650.5000 CONSTRUCTION STAKING BASE (LF)	650.6000 CONSTRUCTION STAKING PIPE CULVERTS (EACH)	650.9911 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) (EACH)	650.9920 CONSTRUCTION STAKING SLOPE STAKES (LF)
18+50 - 22+66	MAINLINE	416	416	1	-	416
28+40 - 32+56	MAINLINE	416	416	2	-	416
-	PROJECT	-	-	-	1	-
	TOTALS =	832	832	3	1	832

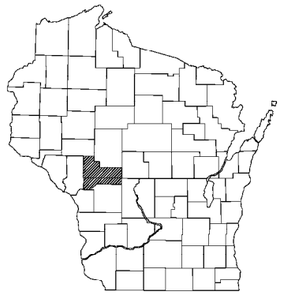
SAWING

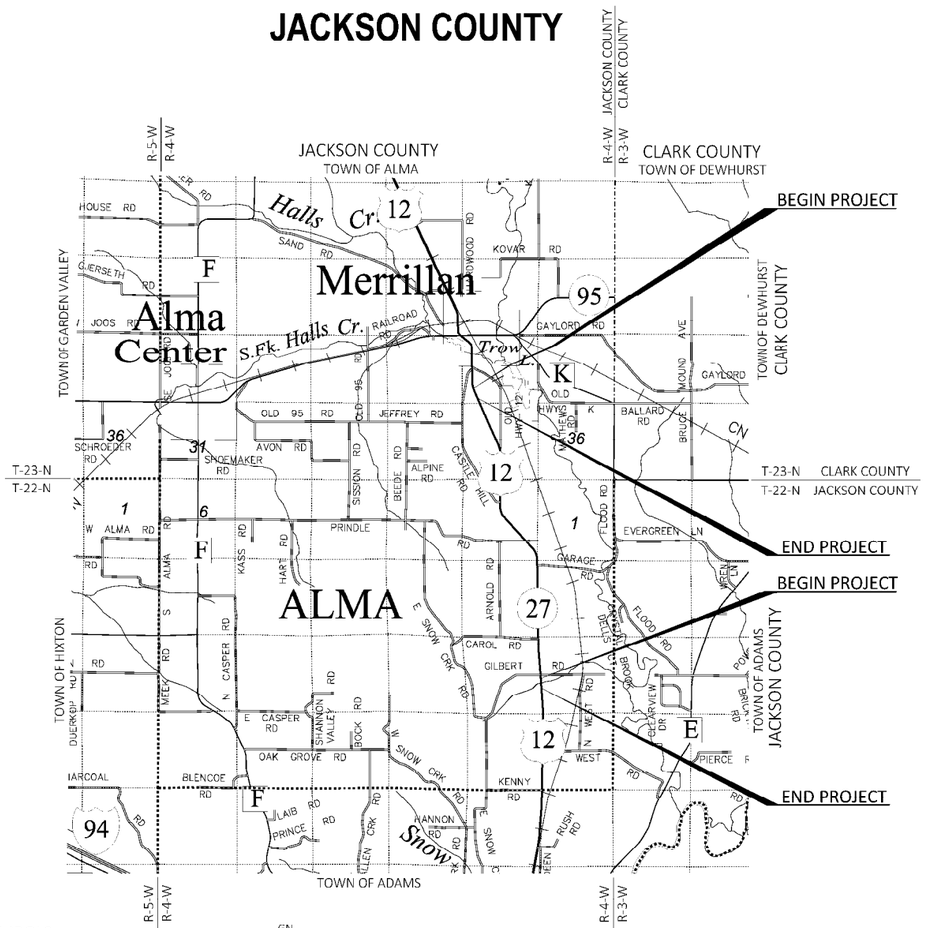
STATION - STATION	LOCATION	690.0150 ASPHALT (LF)	690.0250 CONCRETE (LF)
18+50 - 19+75	MAINLINE	285	-
21+25 - 22+66	MAINLINE	315	-
28+40 - 29+75	MAINLINE	305	-
31+25 - 32+56	MAINLINE	295	-
19+75	MAINLINE	-	25
21+25	MAINLINE	-	25
29+75	MAINLINE	-	25
31+25	MAINLINE	-	25
	TOTALS =	1,200	100

TEMPORARY WATER DIVERSION

STRUCTURE	LOCATION	SPV.0060.01 (EACH)	SPV.0060.02 (EACH)
C-27-7817	MAINLINE	1	-
C-27-7799	MAINLINE	-	1
	TOTALS =	1	1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
PROJECT NO. 7540-00-22
FAIRCHILD - BLACK RIVER FALLS
CULVERTS C-27-7799 AND C-27-7817
USH 12
JACKSON COUNTY





THE NOTES,CONVENTIONAL SYMBOLS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 7540-00-22

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), JACKSON 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.

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

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

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

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

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

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

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

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

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.

CONVENTIONAL SYMBOLS

SECTION LINE		SECTION CORNER SYMBOL	
QUARTER LINE		R/W MONUMENT (TO BE SET)	
SIXTEENTH LINE		NON-MONUMENTED R/W POINT	
NEW REFERENCE LINE		SECTION CORNER MONUMENT	
NEW R/W LINE		FOUND IRON PIN (1-INCH UNLESS NOTED)	IP
EXISTING R/W OR HE LINE		GEODETIC SURVEY MONUMENT	
PROPERTY LINE	P.L.	SIXTEENTH CORNER MONUMENT	
LOT, TIE & OTHER MINOR LINES		SIGN	SIGN
SLOPE INTERCEPT		OFF-PREMISE SIGN	I-25 SIGN
CORPORATE LIMITS			COMPENSABLE / NON-COMPENSABLE
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)	W (TYPE)	ELECTRIC POLE	
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)		TELEPHONE POLE	
TEMPORARY LIMITED EASEMENT AREA		PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)	
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)		ACCESS RESTRICTED BY ACQUISITION	
TRANSMISSION STRUCTURES		NO ACCESS (BY STATUTORY AUTHORITY)	
BUILDING TO BE REMOVED		ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)	
BRIDGE CULVERT		NO ACCESS (NEW HIGHWAY)	
		PARCEL NUMBER 25	UTILITY NUMBER 40
		PARALLEL OFFSETS	

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF INTERSECTION	PI
ACRES	AC	PROPERTY LINE	PL
AHEAD	AH	RECORDED AS	(100')
ALUMINUM	ALUM	REEL / IMAGE	R/I
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CENTERLINE	C/L	RIGHT	RT
CERTIFIED SURVEY MAP	CSM	RIGHT OF WAY	R/W
CONCRETE	CONC	SECTION	SEC
COUNTY	CO	SEPTIC VENT	SEPV
COUNTY TRUNK HIGHWAY	CTH	SQUARE FEET	SF
DISTANCE	DIST	STATE TRUNK HIGHWAY	STH
CORNER	COR	STATION	STA
DOCUMENT NUMBER	DOC	TELEPHONE PEDESTAL	TP
EASEMENT	EASE	TEMPORARY LIMITED EASEMENT	TLE
EXISTING	EX	TRANSPORTATION PROJECT PLAT	TPP
GAS VALVE	GV	UNITED STATES HIGHWAY	USH
GRID NORTH	GN	VOLUME	V
HIGHWAY EASEMENT	HE		
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		
POINT OF COMPOUND CURVE	PCC		

CURVE DATA

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	OH
ELECTRIC	E
CABLE TELEVISION	TV
FIBER OPTIC	FO
SANITARY SEWER	SAN
STORM SEWER	SS
ELECTRIC TOWER	

GN

LAYOUT
SCALE 0 1.0 MI.

PROJECT NUMBER	7540-00-22 -4. 01
SHEET	2 OF 2
	19

FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\RW\W11603_USH 12 TITLE.DWG
LAYOUT NAME: TITLE SHEET
PLOT DATE : 9/8/2022 8:27 AM PLOT BY : TIM VELTE PLOT NAME : _____
APPRAISAL PLAT DATE: 09/08/2022
7540-00-22-4.01

TRANSPORTATION PROJECT PLAT NO: 7540-00-22 - 4.01

PART OF LOTS 1 & 2 OF CERTIFIED SURVEY MAP 575 RECORDED AS DOCUMENT 233490 IN VOLUME 3 ON PAGES 111-122, BEING LOCATED IN THE SW¼-SW¼, BEING LOCATED IN SECTION 26, TOWNSHIP 23 NORTH, RANGE 4 WEST, TOWN OF ALMA, JACKSON COUNTY, WISCONSIN.

RELOCATION ORDER USH 12, FAIRCHILD - BLACK RIVER FALLS, CULVERTS C-27-7799 AND C-27-7817, JACKSON COUNTY

Document Number: 410873
Vol: 1T Page: 208
Shari Marg
Register of Deeds
Jackson County, WI
Recorded: 09/22/2022 01:21 PM
Recording Fee Paid: 25.00
Number of Pages: 2
ELECTRONICALLY RECORDED

20

7540-00-22-4.01

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 7540-00-22-4.01
SHEET 1 OF 2

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 NAMED 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 NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

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

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), JACKSON COUNTY, NAD 83 (2011), IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING USH 12/STH 27 HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: FEDERAL AID PROJECT 395A-RE AND CERTIFIED SURVEY MAP 575.

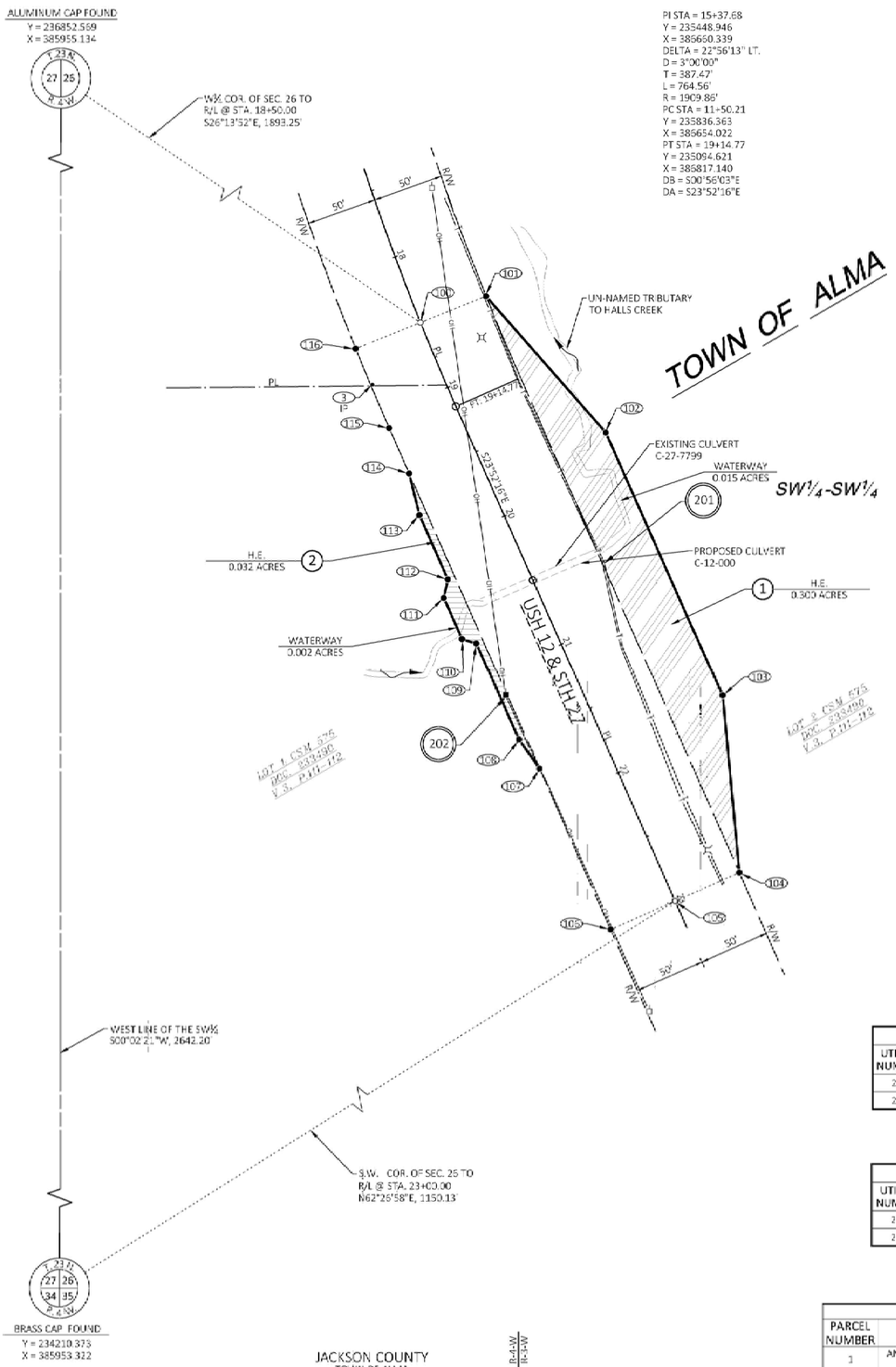
ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF THIS DOCUMENT.

GN

SCALE, FEET
0 50' 100'

PLOT SCALE : 1 IN. = 50 FT.



R/W CURVE DATA STA.11+50.21 TO STA.18+50
L = 699.79'
R = 1909.86'
LCB = S11°25'52"E
LCH = 695.88'

R/W CURVE DATA PT. 115 TO PT. 116
L = 61.39'
R = 1960.00
LCB = N22°54'07"W
LCH = 61.38'

R/W CURVE DATA STA.18+50 TO STA.19+14.77
L = 64.77'
R = 1909.86'
LCB = S23°53'58"E
LCH = 64.77'

RIGHT OF WAY COURSE TABLE		
POINT TO POINT	BEARING	DISTANCE
100 TO 101	N65°04'19"E	50.27'
101 TO 102	S41°16'50"E	129.20'
102 TO 103	S23°52'16"E	205.00'
103 TO 104	S06°22'54"E	126.53'
104 TO 105	S66°07'44"W	49.87'
105 TO 106	S66°07'44"W	50.13'
106 TO 107	N23°47'57"W	125.00'
107 TO 108	N55°14'46"W	25.50'
108 TO 109	N23°52'16"W	75.00'
109 TO 110	N72°41'06"W	10.63'
110 TO 111	N23°52'16"W	32.00'
111 TO 112	N12°09'23"E	13.60'
112 TO 113	N23°52'16"W	50.00'
113 TO 114	N13°49'09"W	50.47'
114 TO 115	N23°47'57"W	35.30'
115 TO 116	SEE CURVE DATA	
116 TO 100	N65°04'19"E	49.73'

R/W POINTS				
PT #	STATION	OFFSET	Y	X
100	18+50.00	0.00'	235154.288	385791.938
101	18+50.00	50.27'	235178.038	385836.574
102	19+25.00	0.00'	235075.582	385923.851
103	21+80.00	0.00'	234888.502	386006.774
104	23+00.00	89.87'	234762.528	386018.641
105	23+00.00	0.00'	234742.348	385975.004
106	23+00.00	49.13' R	234722.038	385927.195
107	21+75.00	49.92' R	234836.428	385876.754
108	21+50.00	50.00' R	234857.258	385862.037
109	20+75.00	50.00' R	234925.840	385831.686
110	20+65.00	50.00' R	234929.040	385821.538
111	20+35.00	50.00' R	234958.228	385805.568
112	20+25.00	50.00' R	234971.658	385811.452
113	19+75.00	50.00' R	235017.228	385791.218
114	19+45.00	49.68' R	235046.872	385783.041
115	19+09.82	49.64' R	235079.168	385769.697
116	18+60.00	49.73' R	235135.718	385745.850

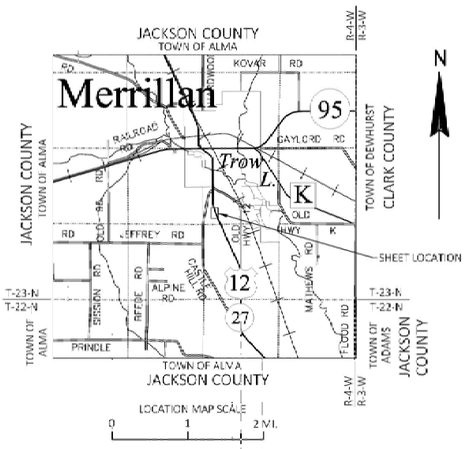
FOUND SURVEY MONUMENTS				
PT #	STATION	OFFSET	Y	X
3	18+77.81	49.54' RT.	235109.392	386756.831

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	CENTURYLINK	RELEASE OF RIGHTS
202	JACKSON ELECTRIC COOPERATIVE	RELEASE OF RIGHTS

UTILITY EASEMENT TABLE		
UTILITY NUMBER	OWNER & RECORDING INFORMATION	LOCATED IN R/W PARCEL #
201	CENTURY LINK - NO RECORD OF EASEMENT	1
202	JACKSON ELECTRIC COOPERATIVE - NO RECORD OF EASEMENT	2

SCHEDULE OF LANDS & INTERESTS REQUIRED			
PARCEL NUMBER	OWNER (S)	INTERESTS REQUIRED	H.E. ACRES REQUIRED NEW
1	AMANDA J. STRANDBERG AND AARON H. STRANDBERG, WIFE AND HUSBAND AS SURVIVORSHIP MARITAL PROPERTY	H.E.	0.300
2	JEAN L. COMSTOCK	H.E.	0.032

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



JEWELL
associates engineers, inc.
Engineers - Architects - Surveyors

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

SIGNATURE: Greg Jewell DATE: 09/08/2022
PRINT NAME: GREG A. JEWELL
REGISTRATION NUMBER: S-1898

WISCONSIN GREG A. JEWELL S-1898 DODGEVILLE, WI LAND SURVEYOR
9/8/2022

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION

SIGNATURE: Heather L Dresel DATE: 9/08/2022
PRINT NAME: HEATHER L. DRESEL

PLOT BY: Tim Velie
PLOT DATE: 9/8/2022 8:24 AM
FILENAME: S:\Projects\W11603 WisDOT USH 12 Culverts, Jackson Co\RW\HE\ W11603_USH 12 TPP DWG
APPRAISAL PLAT DATE: 09/08/2022

Document Number: 411079
Vol: 1T Page: 210
Shari Marg
Register of Deeds
Jackson County, WI
Recorded: 10/11 ------ 11:04 AM
Recording Fee P 25.00
Number of Pages
ELECTRONICALLY RDED
21

TRANSPORTATION PROJECT PLAT NO: 7540-00-22 - 4.02

PART OF LOT 1 CERTIFIED SURVEY MAP 3380 RECORDED AS DOCUMENT 351506 IN VOLUME 145 ON PAGES 120-121, PART OF COUNTY SURVEY RECORD MAP 2683 IN VOLUME 7 ON PAGES 303-304, PART OF THE NE¼-SE¼ OF SECTION 14, AND PART OF LOT 1 CERTIFIED SURVEY MAP 3133 RECORDED AS DOCUMENT 340093 IN VOLUME 135 ON PAGE 111, ALSO, PART OF THE NW¼-SW¼ OF SECTION 13, ALL BEING LOCATED IN TOWN 22 NORTH, RANGE 4 WEST. TOWN OF ALMA, JACKSON COUNTY, WISCONSIN.

RELOCATION ORDER USH 12, FAIRCHILD - BLACK RIVER FALLS, CULVERTS C-27-7799 AND C-27-7817, JACKSON 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 NAMED 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 NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

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

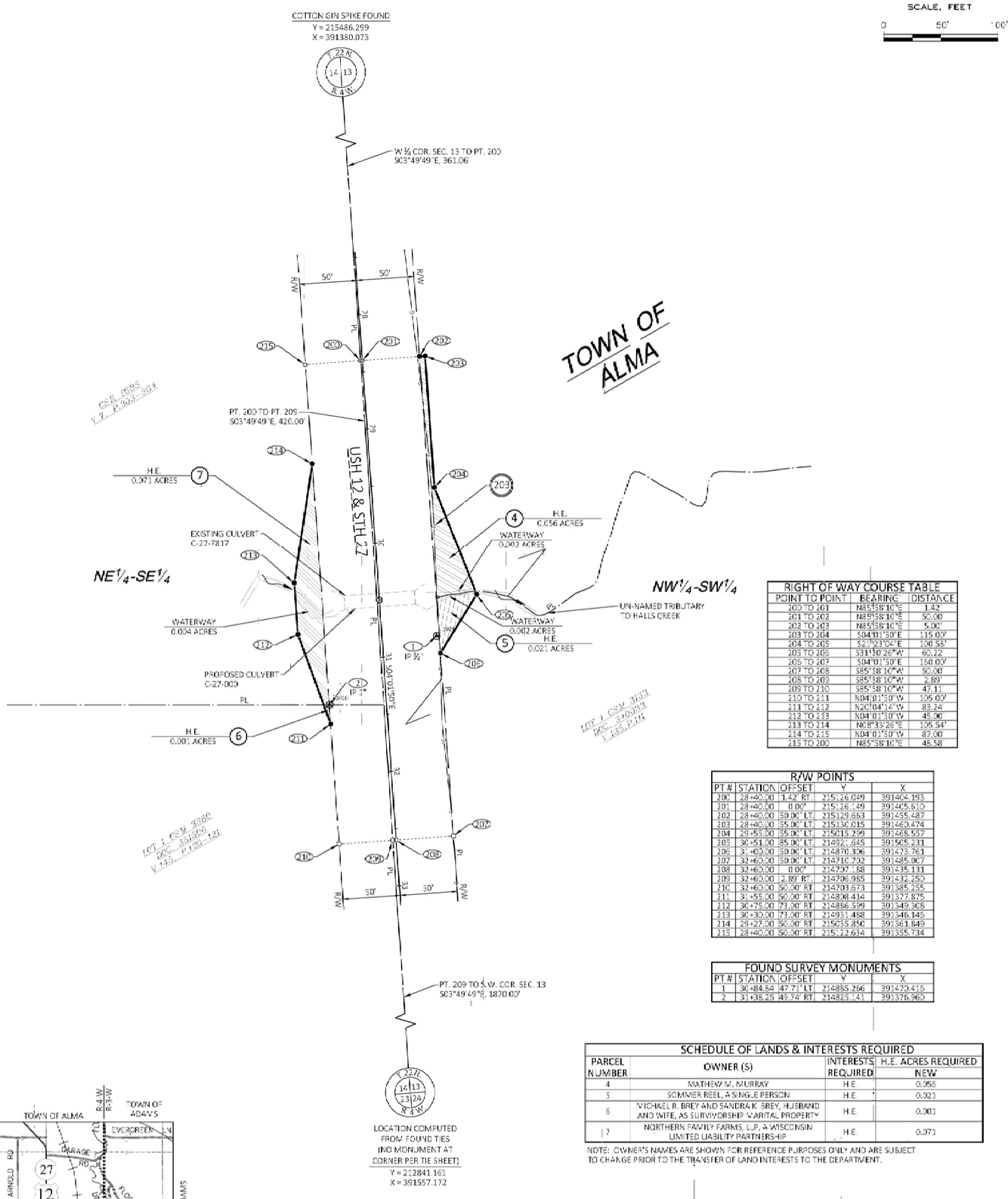
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), JACKSON COUNTY, NAD 83 (2011), IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

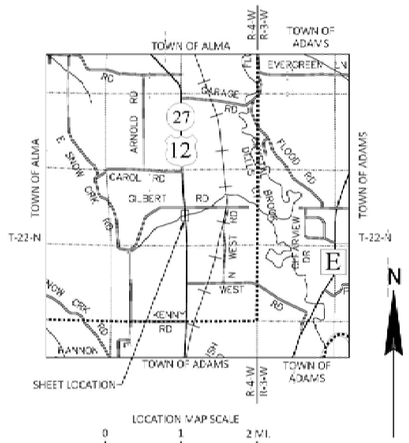
EXISTING USH 12/STH 27 HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: FEDERAL AID PROJECT 395A-RE, CSM 3133, CSM 3380, AND CSR 2683.

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 ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN JACKSON COUNTY AS SHEET 2 OF 2 OF DOCUMENT 410873.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 7540-00-22-4.02





RIGHT OF WAY COURSE TABLE		
POINT TO POINT	BEARING	DISTANCE
200 TO 201	N85°58'10"E	1.42'
201 TO 202	N85°58'10"E	50.00'
202 TO 203	N85°58'10"E	5.00'
203 TO 204	S04°01'50"E	115.03'
204 TO 205	S21°23'04"E	100.58'
205 TO 206	S31°40'26"W	60.22'
206 TO 207	S04°01'50"E	150.03'
207 TO 208	S85°58'10"W	50.00'
208 TO 209	S85°58'10"W	2.89'
209 TO 210	S85°58'10"W	42.11'
210 TO 211	N04°01'50"W	106.02'
211 TO 212	N20°04'14"W	83.24'
212 TO 213	N04°01'50"W	45.90'
213 TO 214	N08°35'26"E	106.54'
214 TO 215	N04°01'50"W	87.00'
215 TO 200	N85°58'10"E	46.58'

R/W POINTS				
PT #	STATION	OFFSET	Y	X
200	28+40.00	1.42' RT.	215,126.049	391404.193
201	28+40.00	0.00'	215,126.149	391405.610
202	28+40.00	50.00' LT.	215129.663	391455.487
203	28+40.00	55.00' LT.	215130.015	391460.474
204	29+55.00	55.00' LT.	215015.299	391468.557
205	30+51.00	85.00' LT.	214921.645	391505.231
206	31+00.00	59.00' LT.	214870.306	391473.761
207	32+60.00	59.00' LT.	214716.702	391485.067
208	32+60.00	0.00'	214797.58	391435.131
209	32+60.00	2.89' RT.	214706.985	391432.250
210	32+60.00	50.00' RT.	214703.673	391385.255
211	31+55.00	50.00' RT.	214808.414	391377.875
212	30+75.00	73.00' RT.	214856.599	391349.905
213	30+30.00	73.00' RT.	214951.488	391346.145
214	29+27.00	50.00' RT.	215035.850	391361.849
215	28+40.00	50.00' RT.	215,122.634	391355.734

FOUND SURVEY MONUMENTS				
PT #	STATION	OFFSET	Y	X
1	30+84.64	47.71' LT.	214885.266	391470.415
2	31+38.25	49.74' RT.	214825.141	391376.960

SCHEDULE OF LANDS & INTERESTS REQUIRED			
PARCEL NUMBER	OWNER (S)	INTERESTS REQUIRED	H.E. ACRES REQUIRED NEW
4	MATHEW M. MURRAY	H.E.	0.056
5	SOMMER REEL, A SINGLE PERSON	H.E.	0.021
6	MICHAEL R. BREY AND SANDRA K. BREY, HUSBAND AND WIFE, AS SURVIVORSHIP MARITAL PROPERTY	H.E.	0.001
7	NORTHERN FAMILY FARMS, LLP, A WISCONSIN LIMITED LIABILITY PARTNERSHIP	H.E.	0.071

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

UTILITY EASEMENT TABLE		
UTILITY NUMBER	OWNER & RECORDING INFORMATION	LOCATED IN R/W PARCEL #
202	JACKSON ELECTRIC COOPERATIVE, DOC. 346662, V. 513, P. 712	5
202	JACKSON ELECTRIC COOPERATIVE, DOC. 136943	5 & 7
203	WE ENERGIES (GAS) - NO RECORD OF EASEMENT	4 & 5

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
202	JACKSON ELECTRIC COOPERATIVE	RELEASE OF RIGHTS
203	WE ENERGIES (GAS)	RELEASE OF RIGHTS

JEWELL
associates engineers, inc.
Engineers - Architects - Surveyors

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

SIGNATURE: Greg A Jewell DATE: 09/29/2022
PRINT NAME: GREG A. JEWELL
REGISTRATION NUMBER: S-1898

WISCONSIN GREG A. JEWELL S-1898 DODGEVILLE, WI LAND SURVEYOR 09/29/2022

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION

SIGNATURE: Heather L Dresel DATE: 9/29/2022
PRINT NAME: HEATHER L. DRESEL

PLOT SCALE : 1 IN. = 50 FT.
PLOT BY: Anliker, Noah
PLOT DATE: 9/29/2022 7:34 AM
FILENAME: S:\Projects\W11\603 WisDOT USH 12 Culverts, Jackson Co\RW\HE\ W11603_USH 12 TPP DWG
APPRAISAL PLAT DATE: 09/08/2022

STA. 19+27 - STA. 19+80, LT.
STA. 21+80 - STA. 22+33, LT.
MGS GUARDRAIL TERMINAL EAT
STA. 19+80 - STA. 21+80, LT
MGS GUARDRAIL 3

REMOVING STRUCTURE OVER WATERWAY
REMOVE DEBRIS STA. 20+50
C-27-7799 5'X5' X 63' REINFORCED
CONCRETE BOX CULVERT

AMANDA AND AARON STRANDBERG

LEGEND
- RIPRAP HEAVY OVER GEOTEXTILE TYPE HR
- SILT FENCE
- EROSION MAT URBAN CLASS I TYPE B
- XXXXX SAWING ASPHALT
- YYYYY SAWING CONCRETE

TELEPHONE (CENTURYLINK/BRIGHTSPEED)
R/W
SLOPE INTERCEPTS (TYP.)
CURVE 1
17+00
18+00
19+00
20+00
21+00
22+00
23+00
USH 12
BM 1
BM 2
BM 3
BM 4
FIBER OPTIC (CENTURYLINK/BRIGHTSPEED)
ELECTRIC (JACKSON ELECTRIC COOPERATIVE)
OH
FO
P.I. STA. 19+14.7

COMSTOCK HOUSING LLC

BEGIN PROJECT 7540-00-72
STA 18+50
MATCH EXISTING

BEGIN PROJECT 7540-00-72
STA 19+75
MATCH EXISTING

STA. 18+77 - STA. 19+30, RT.
STA. 21+30 - STA. 22+33, RT.
MGS GUARDRAIL TERMINAL EAT
STA. 19+30 - STA. 21+30, RT
MGS GUARDRAIL 3

JEAN COMSTOCK

END RECONSTRUCTION
STA 21+25

END CONSTRUCTION
STA 22+65.60
MATCH EXISTING

5

945
940
935
930
925

PROPOSED PROFILE
STA 19+75.00 EL 938.10
STA 21+25.00 EL 939.19
0.73%
ORIGINAL GROUND

936.68 936.98 937.28 937.60 937.94 938.26 938.28 938.60 938.65 938.99 939.01 939.37 939.68 940.01 940.40

17+00 17+50 18+00 18+50 19+00 19+50 20+00 20+50 21+00 21+50 22+00 22+50 23+00 23+50 24+00

STA. 20+50
(1) CULVERT PIPE REINFORCED CONCRETE CLASS III 72-INCH REQ'D
(2) APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 72-INCH REQ'D.
SKEW = 0°
INLET INVERT ELEVATION: 927.19'
OUTLET INVERT ELEVATION: 925.15'

NOTE: PER WDNR REQUIREMENT, INLET ELEVATION OF PIPE DROPPED TO ENCOURAGE SEDIMENTATION.

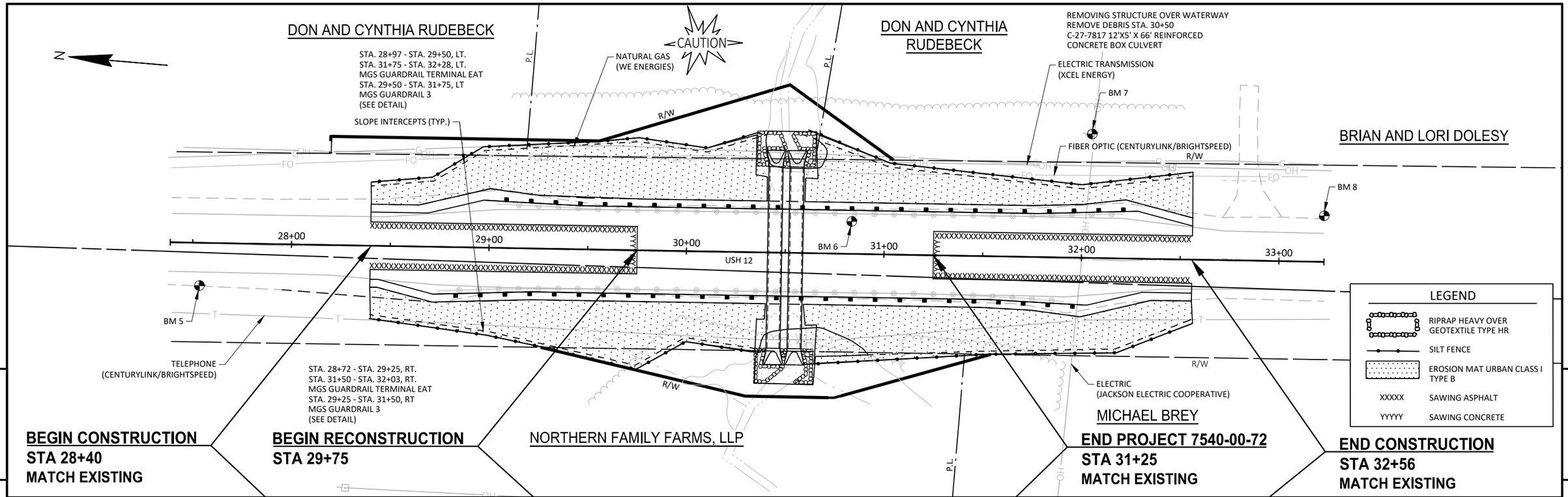
EXISTING C/L ELEVATION
PROPOSED C/L ELEVATION

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
1	17+59	3/4" IRON REBAR SET, 21.3' RT	937.49
2	20+79	MAG NAIL, 16.8' LT	938.50
3	21+16	STAR PIKE, 49.9' RT	937.21
4	23+32	3/4" IRON REBAR SET, 21.1' LT	940.00

PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	PLAN AND PROFILE: USH 12 (AT STRUCTURE C-27-7799)	SHEET 22	E

FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\SHEETSPLAN\PLAN & PROFILE SHEETS\W11603_PLAN & PROFILE.DWG
LAYOUT NAME - C-27-7799
PLOT DATE : 5/1/2023 11:50 AM PLOT BY : JEFF SMITH PLOT NAME : PLOT SCALE : Custom
WISDOT/CADDS SHEET 44

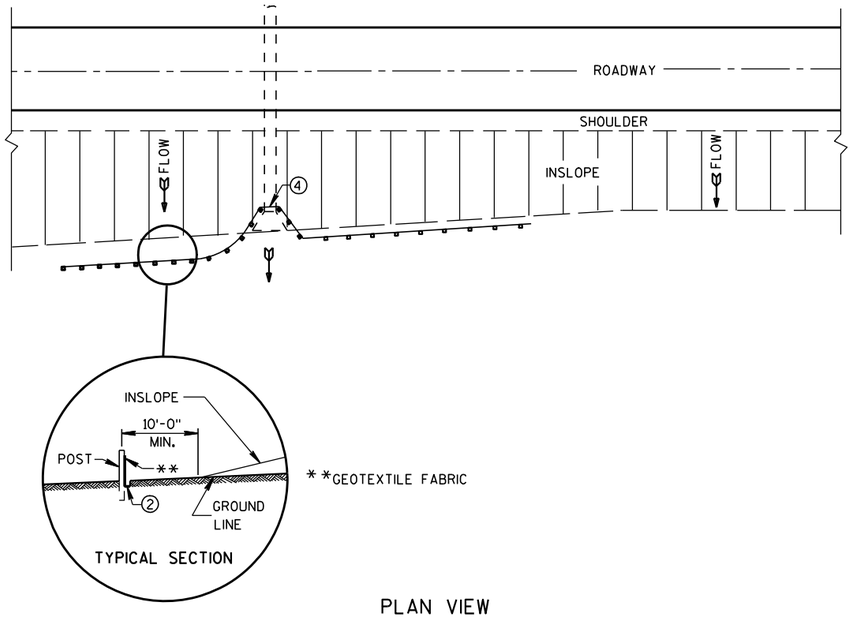


PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	PLAN AND PROFILE: USH 12 (AT STRUCTURE C-27-7817)	SHEET 23	E

FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\SHEETSPLAN\PLAN & PROFILE SHEETS\W11603_PLAN & PROFILE.DWG
LAYOUT NAME - C-27-7817
PLOT DATE : 5/1/2023 11:50 AM PLOT BY : JEFF SMITH PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

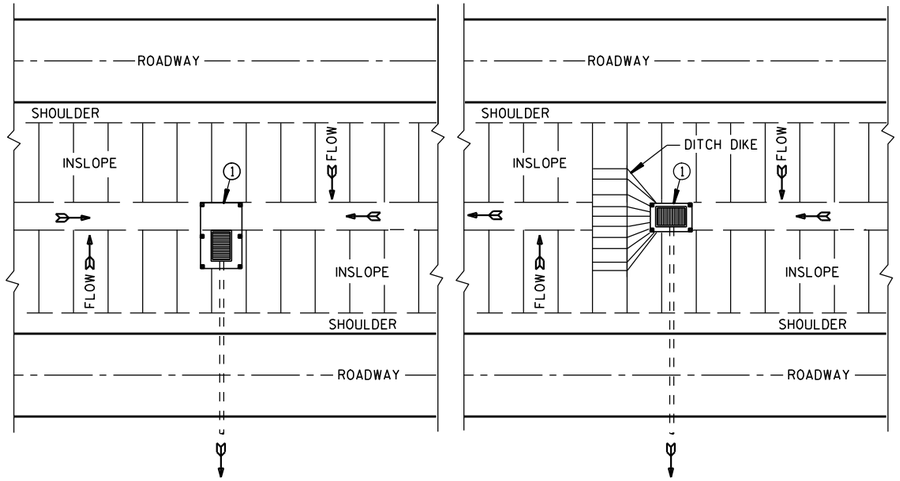
Standard Detail Drawing List

08E09-06	SILT FENCE
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
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



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



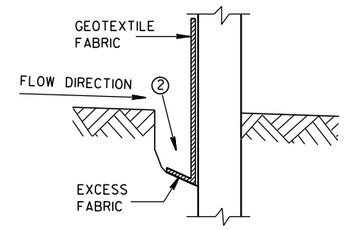
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

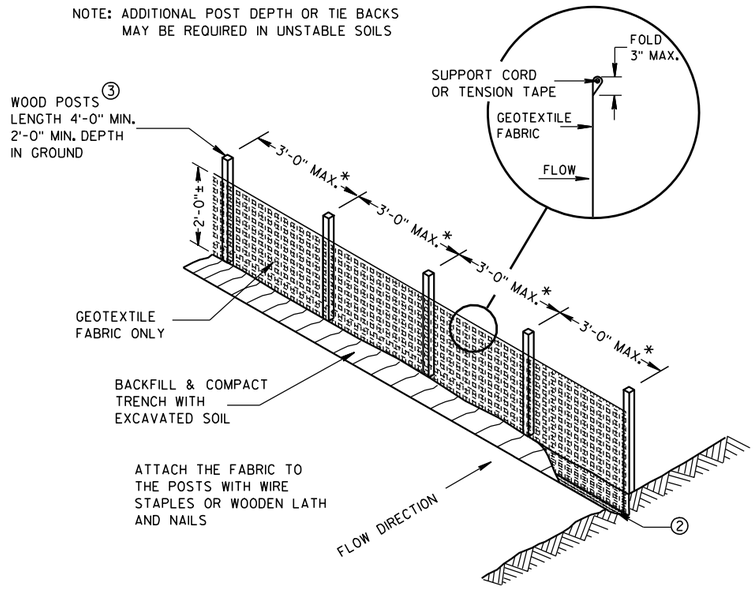
GENERAL NOTES

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

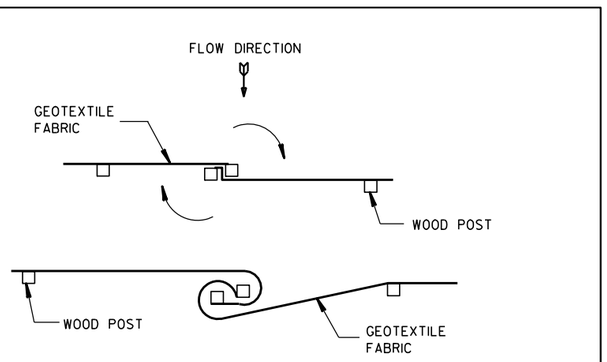
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL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



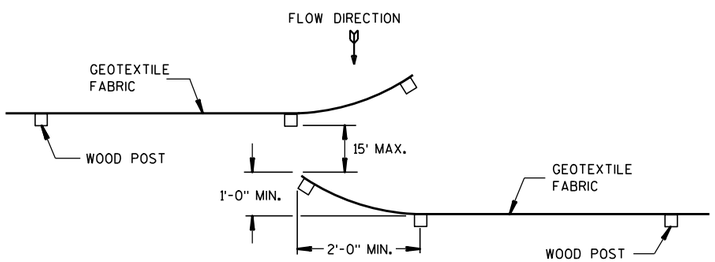
TRENCH DETAIL



SILT FENCE

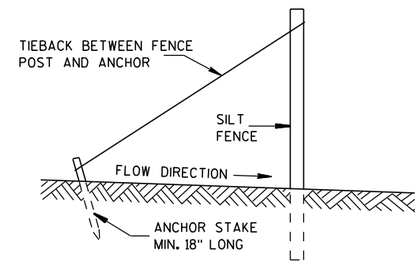


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6

S.D.D. 8 E 9-6

6

S.D.D. 8 E 9-6

METAL APRON ENDWALLS

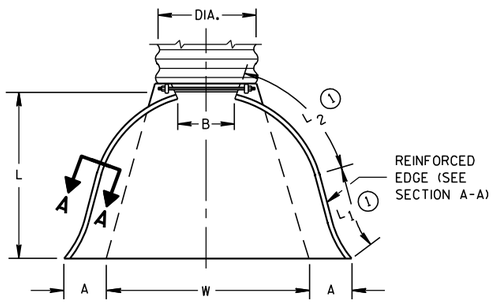
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

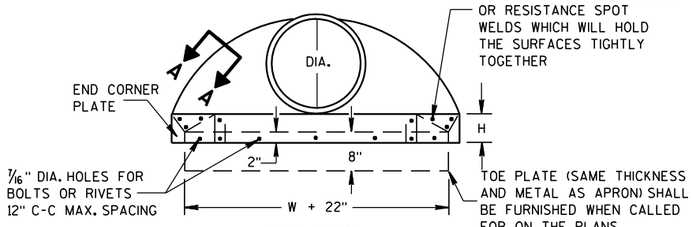
REINFORCED CONCRETE APRON ENDWALLS

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

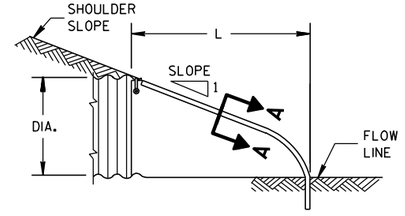
*MINIMUM
**MAXIMUM



PLAN VIEW

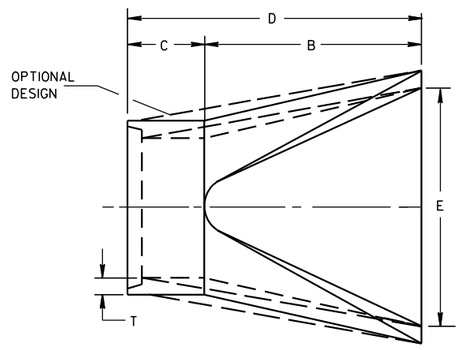


END VIEW

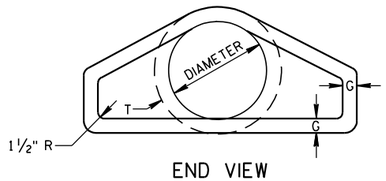


SIDE ELEVATION

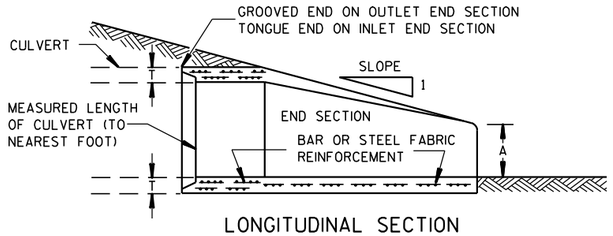
METAL ENDWALLS



PLAN

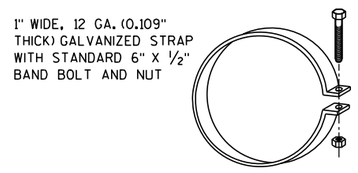


END VIEW



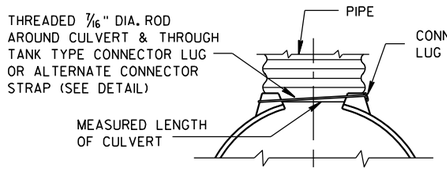
LONGITUDINAL SECTION

CONCRETE ENDWALLS

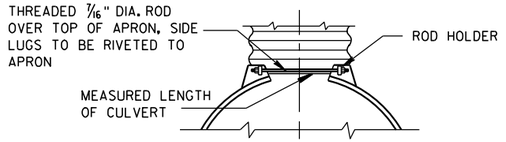


ALTERNATE FOR TYPE 1 CONNECTION

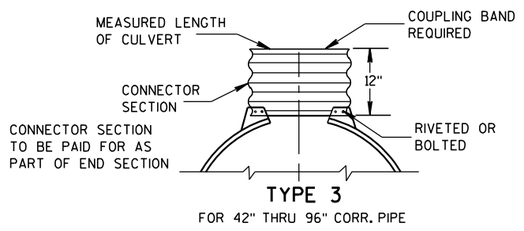
END SECTION CONNECTOR STRAP



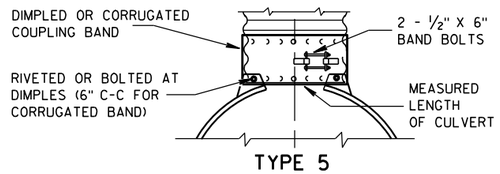
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

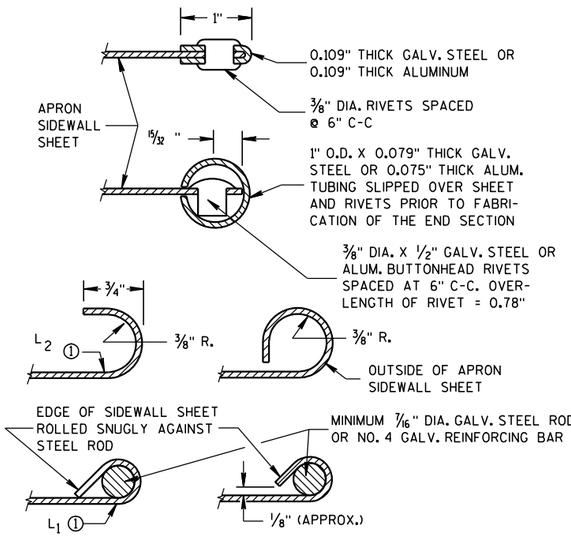
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

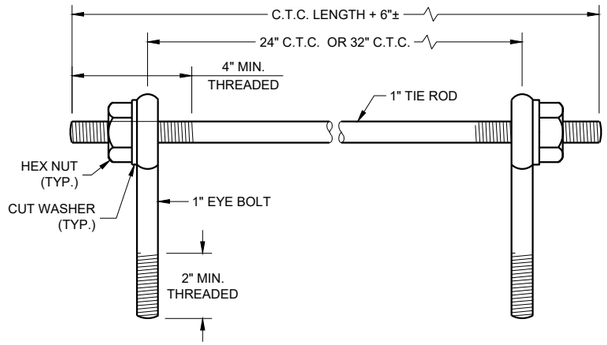
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

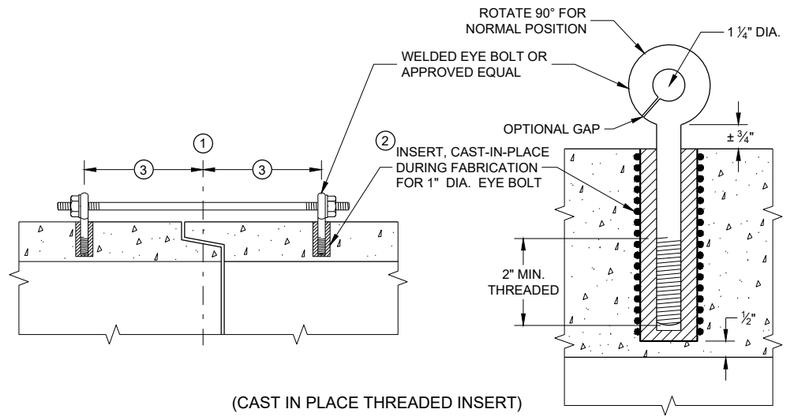
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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.

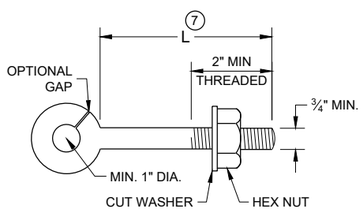
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

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

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

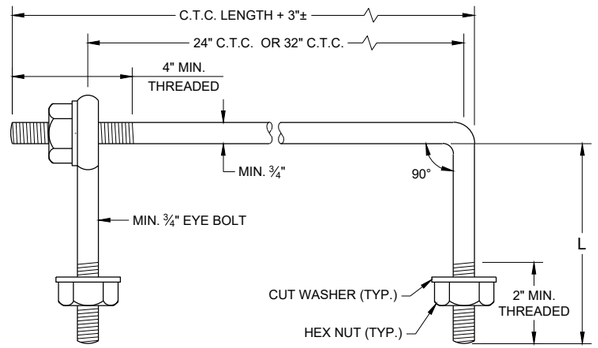
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

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

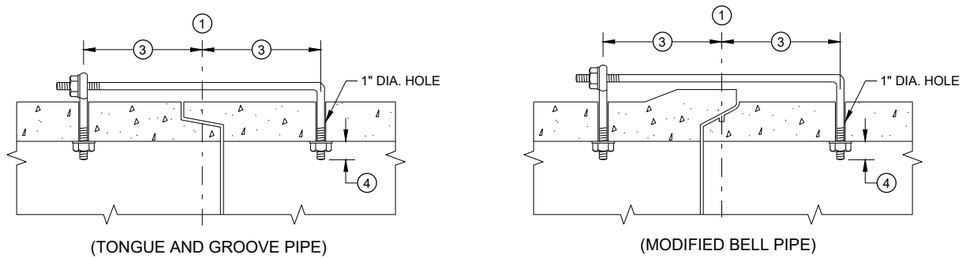


EYE BOLT (7)

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

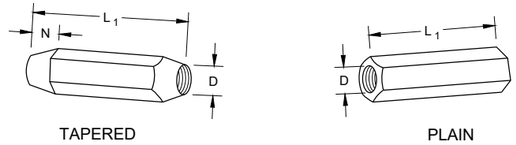
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

ADJUSTABLE TIE ROD TABLE

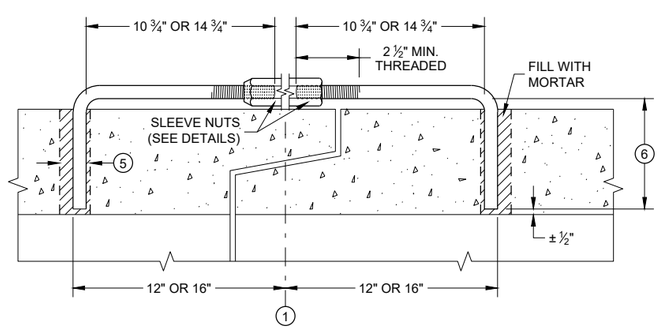
PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



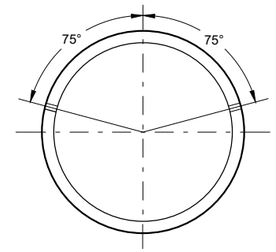
RIGHT AND LEFT THREADS

SLEEVE NUTS



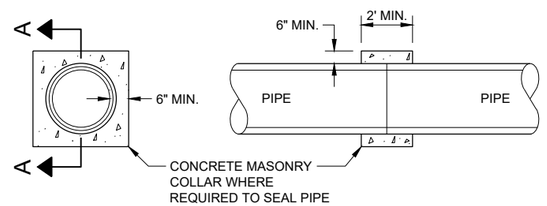
LONGITUDINAL SECTION

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

(1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

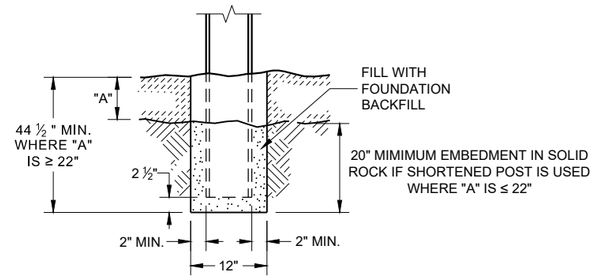
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

(4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

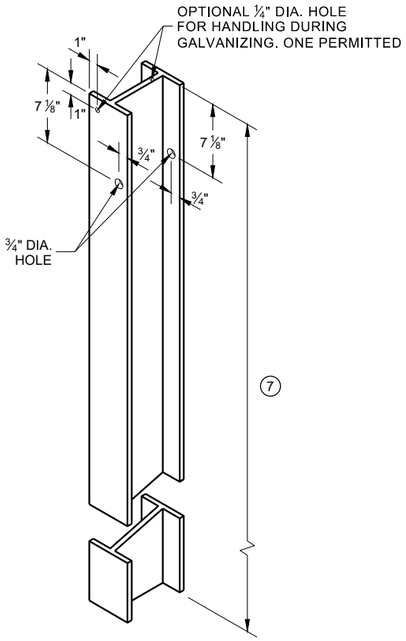
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

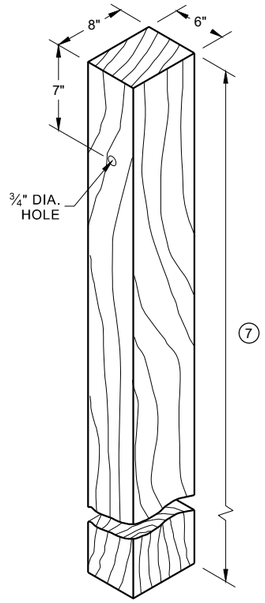
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



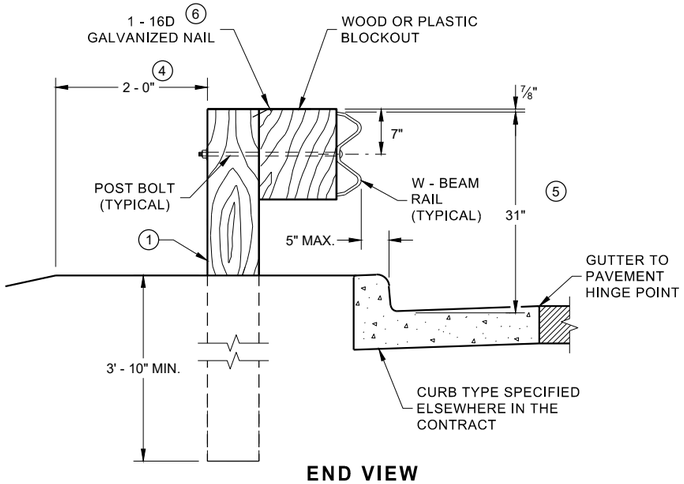
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



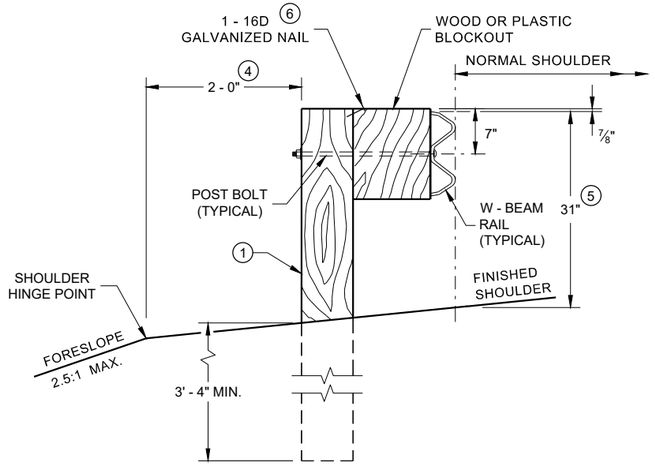
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



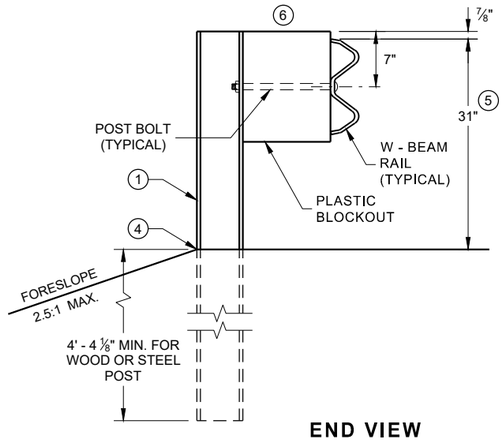
WOOD POST (6" X 8") NOMINAL (1)



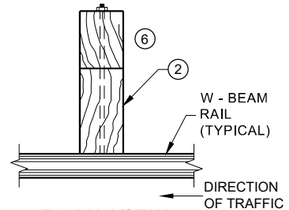
END VIEW
LOCATED ALONG A CURBED ROADWAY



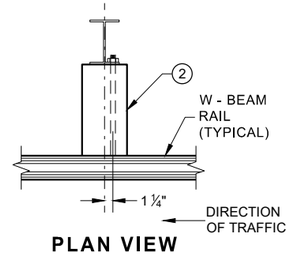
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



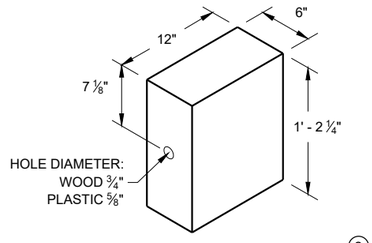
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



WOOD OR PLASTIC BLOCKOUT (2)

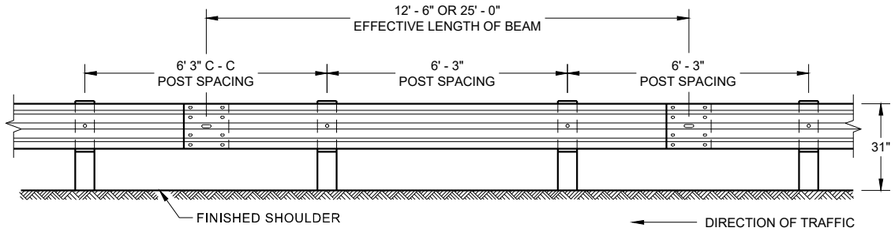
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

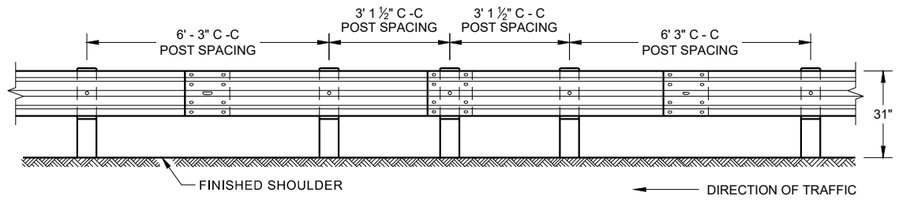
SDD 14B42 - 07a

6

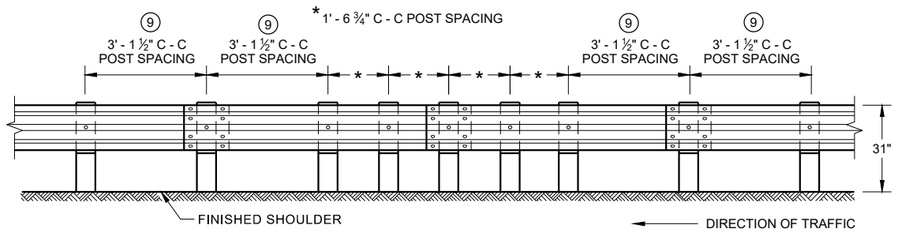
SDD 14B42 - 07a



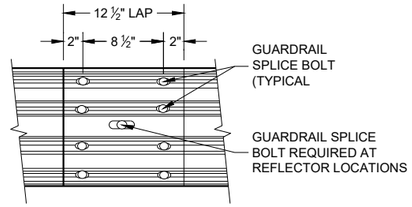
FRONT VIEW
POST SPACING STANDARD INSTALLATION



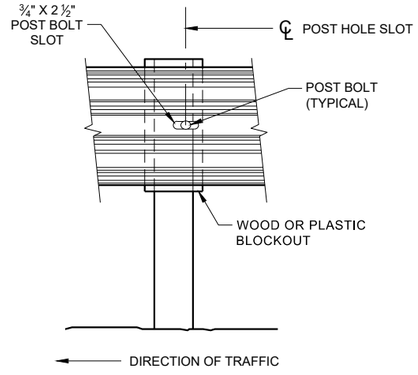
FRONT VIEW
HALF POST SPACING (HS) AND
HALF POST SPACING WITH LONGER POSTS (K)



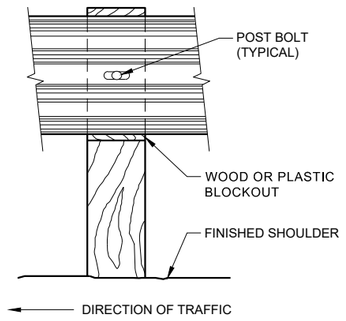
FRONT VIEW
QUARTER POST SPACING (QS)



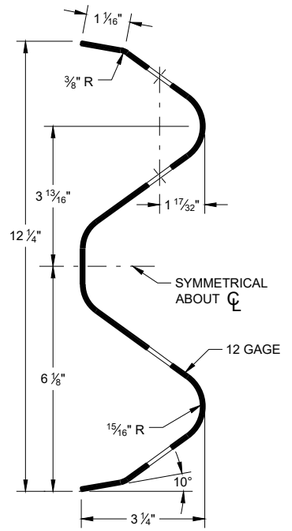
FRONT VIEW
MID-SPAN BEAM SPLICE



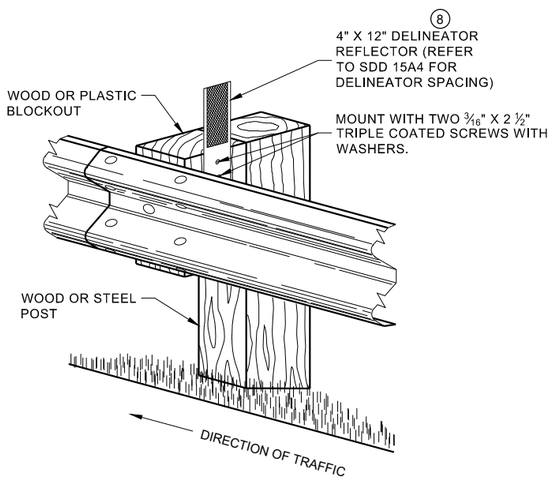
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



ONE SIDED REFLECTOR DETAIL
AND TYPICAL INSTALLATION

GENERAL NOTES

⑧ DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

⑨ 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

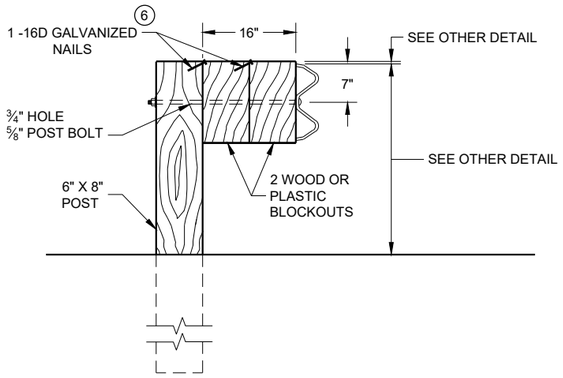
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B42 - 07b
SDD 14B42 - 07b

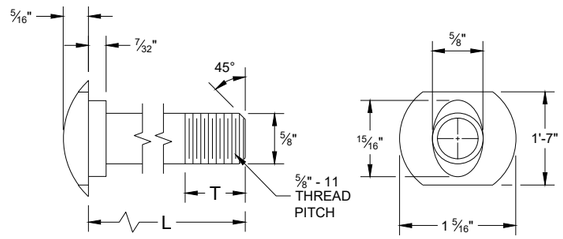


DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

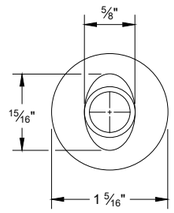
NOTE:

1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 3⁄16".
2. IF THE BOLT EXTENDS MORE THAN ¼" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

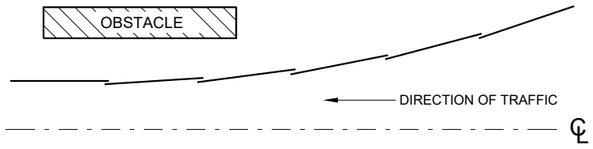


POST BOLT TABLE

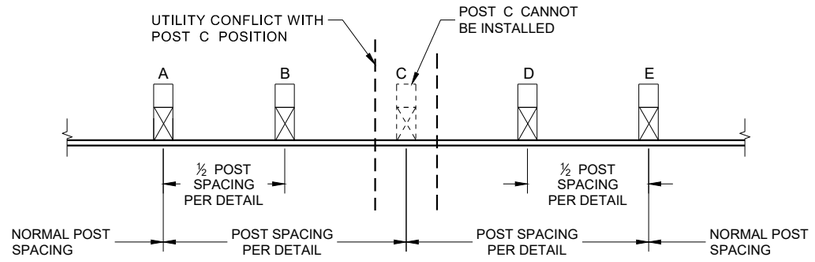
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1⁄16"
18"	4"
21"	4 1⁄16"
25"	4"



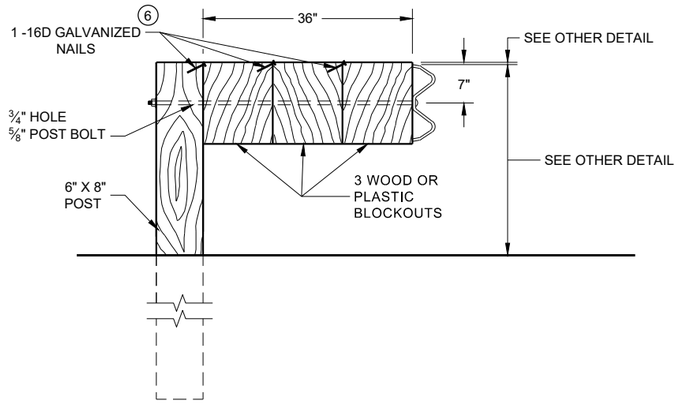
ALTERNATE BOLT HEAD



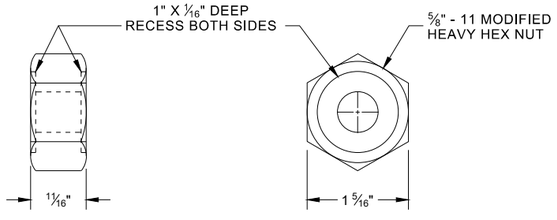
PLAN VIEW
BEAM LAPPING DETAIL



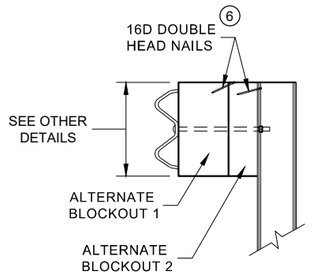
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



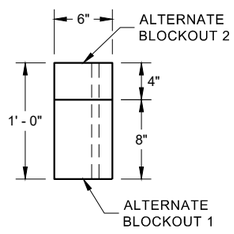
DETAIL FOR 36" BLOCKOUT DEPTH



POST BOLT, SPLICE BOLT AND RECESS NUT



SIDE VIEW



PLAN VIEW

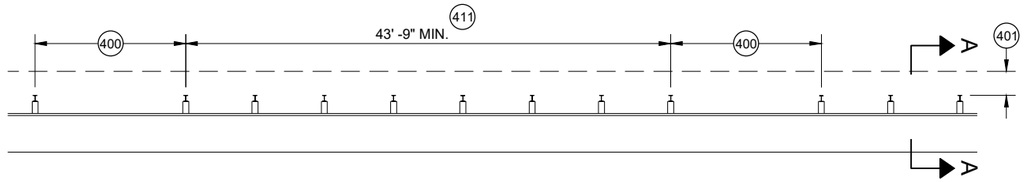
ALTERNATE WOOD BLOCKOUT DETAIL

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

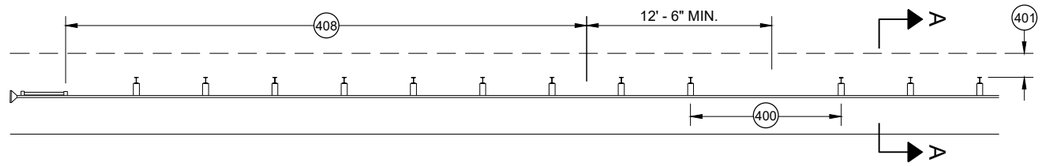
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

(6) WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

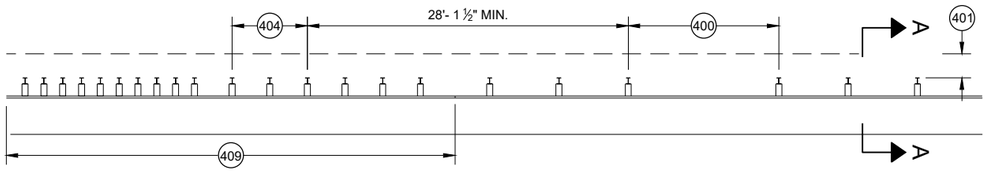
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL



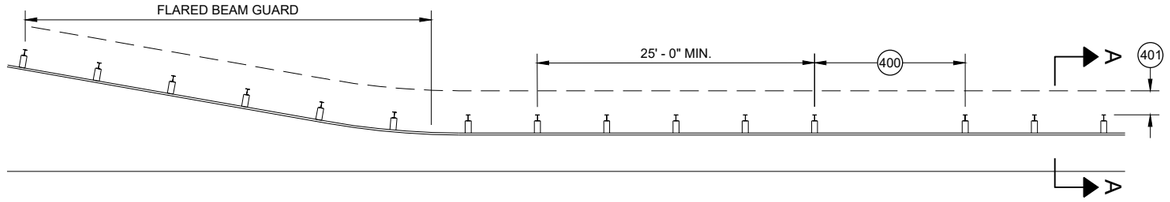
MISSING POST IN MGS GUARDRAIL



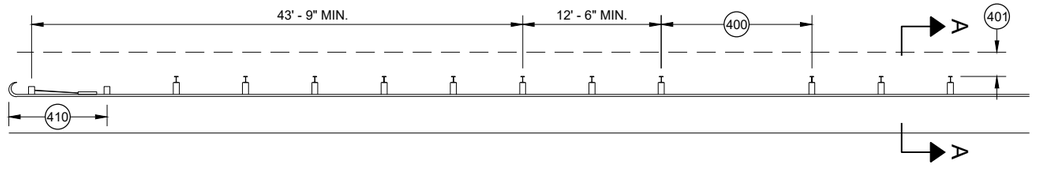
MISSING POST IN MGS GUARDRAIL NEAR EAT



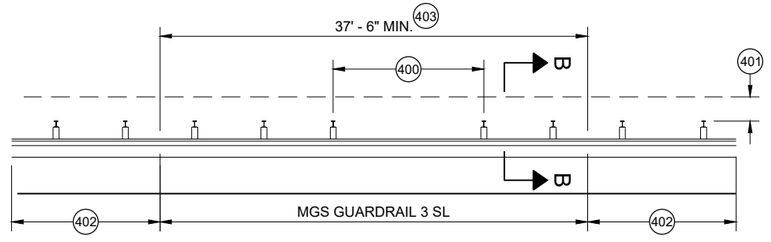
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

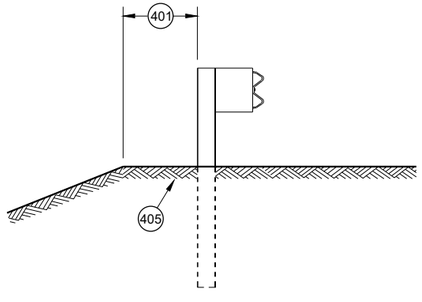


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

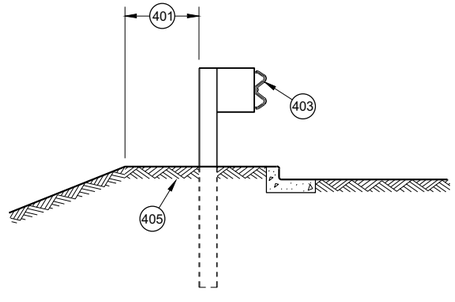


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

400 MAX SPAN 12' - 6"
401 2' MIN.
402 MGS GUARDRAIL 3
403 NESTING BEAM GUARD
404 ASYMMETRIC TRANSITION
405 SOIL WELL DRAINED AND COMPACTED
406 SEE OTHER DRAWINGS IN THIS SDD
407 SEE OTHER DRAWINGS FOR MIN. SPACING BETWEEN SPANS
408 SEE SDD 14B44
409 SEE SDD 14B45
410 SEE SDD 14B47
411 MINIMUM DISTANCE BETWEEN MISSING POST SPANS.



SECTION A - A 406



SECTION B - B 406

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

FHWA

SDD 14B42 - 07d

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED

(C) DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.

(D) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.

(E) HARDWARE MAY VARY BETWEEN MANUFACTURER. SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

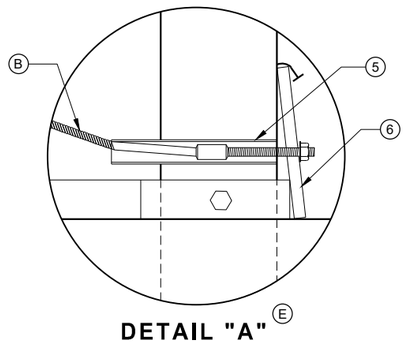
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

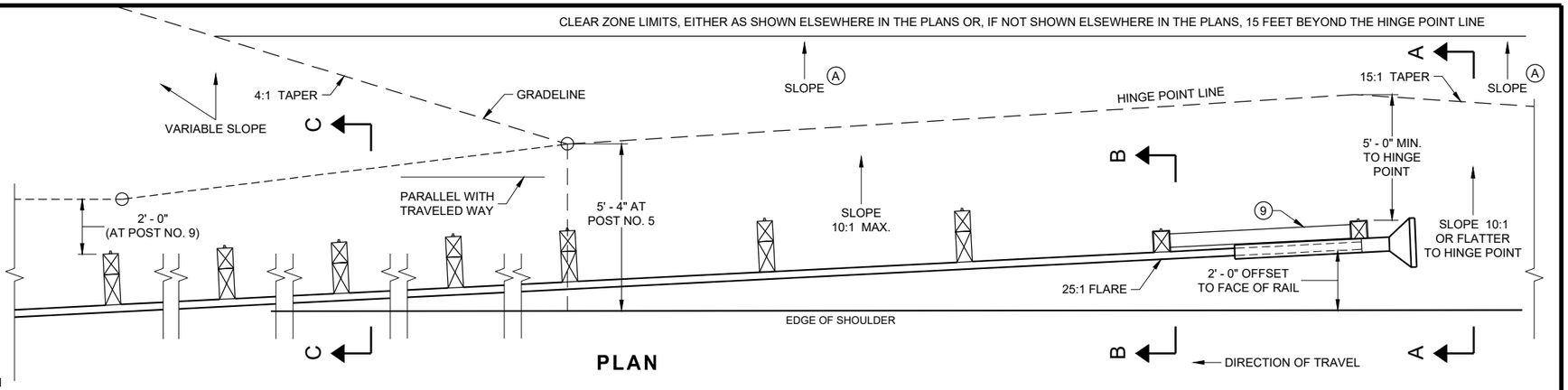
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

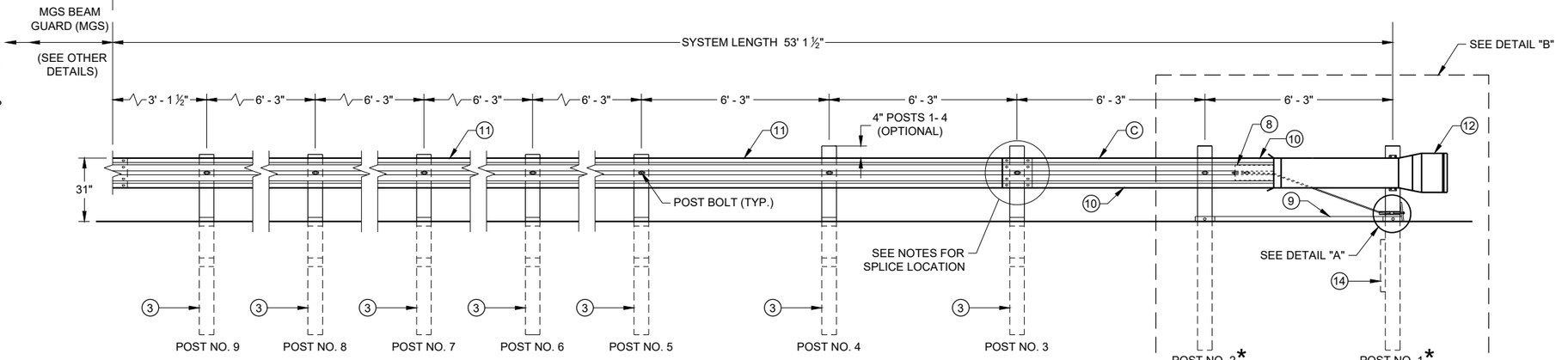
SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

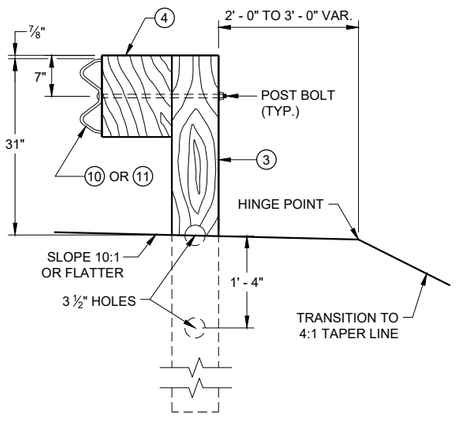
THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.



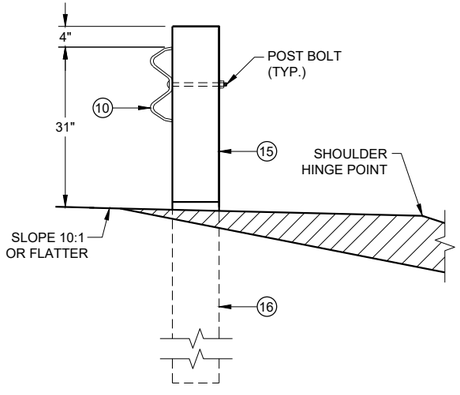
DETAIL "A" (E)



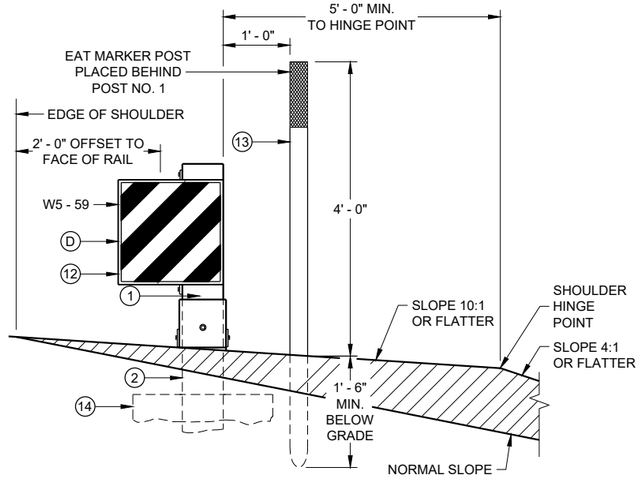




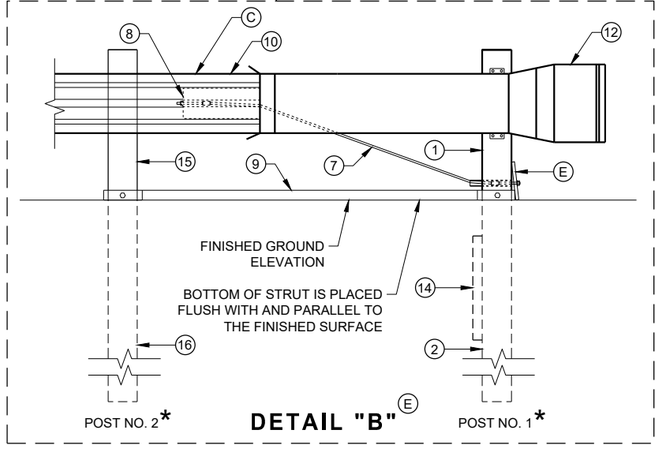
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*

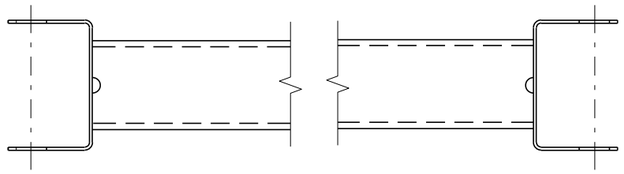


MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

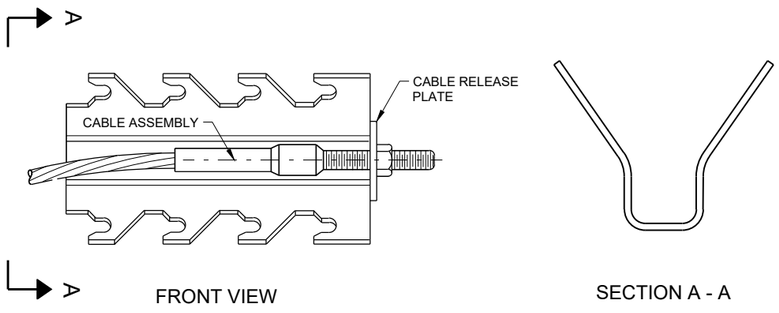
SDD 14B44 - 04a



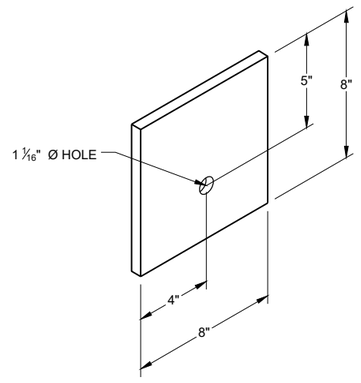
GENERIC GROUND STRUT ⑨ Ⓔ

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUGACTURER'S DETAILS FOR MORE INFORMATION.
①	UPPER POST NO. 1 6" X 6" TUBE
②	LOWER POST NO. 1
③	WOOD CRT
④	WOOD BLOCKOUT
⑤	PIPE SLEEVE
⑥	BEARING PLATE
⑦	BCT CABLE ASSEMBLY
⑧	ANCHOR CABLE BOX
⑨	GROUND STRUT
⑩	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
⑪	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
⑫	IMPACT HEAD
⑬	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
⑭	SOIL PLATE
⑮	UPPER POST NO. 2
⑯	LOWER POST NO. 2



GENERIC ANCHOR CABLE BOX ⑧ Ⓔ



BEARING PLATE ⑥ Ⓔ

6

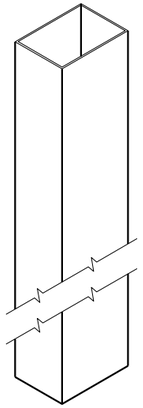
6

SDD 14B44 - 04b

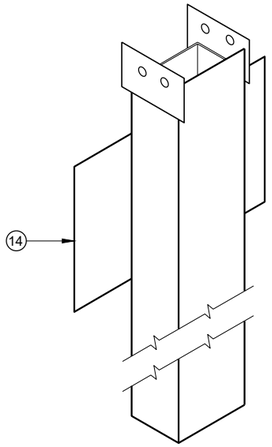
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

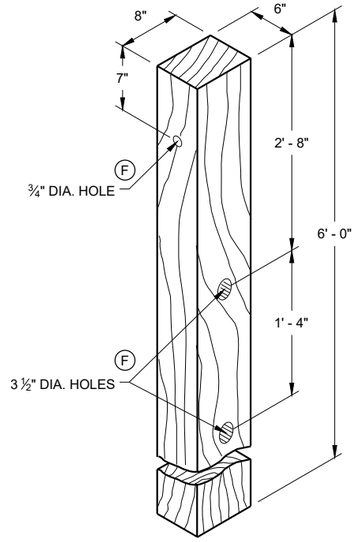
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



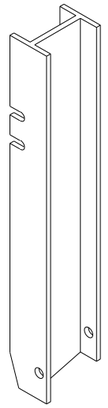
UPPER POST NO. 1 (1) (E)



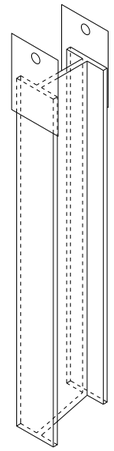
LOWER POST NO. 1 (2) (E)



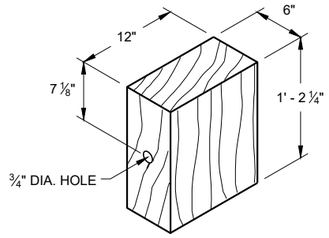
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



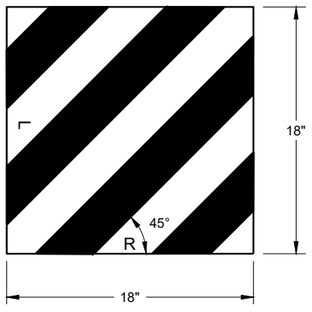
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

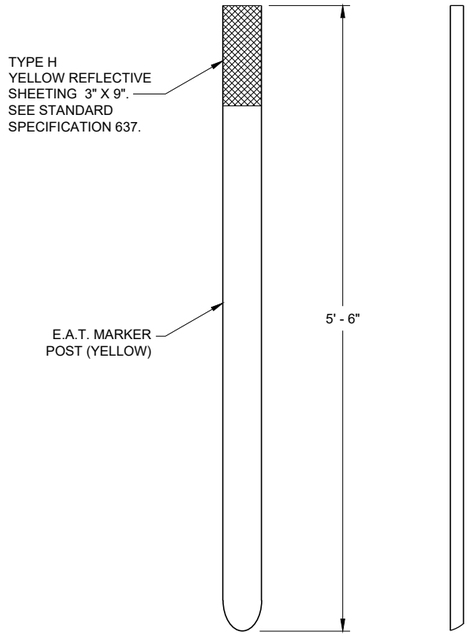


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



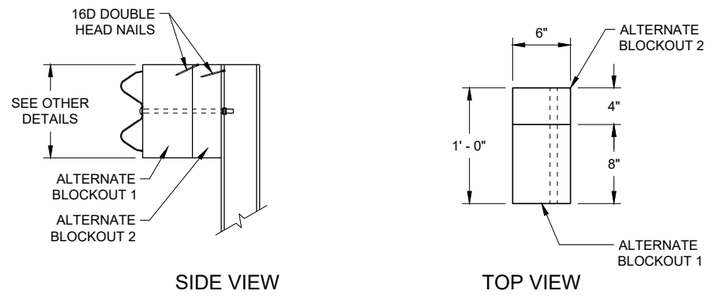
W5 - 59

REFLECTIVE SHEETING DETAIL (E)



FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

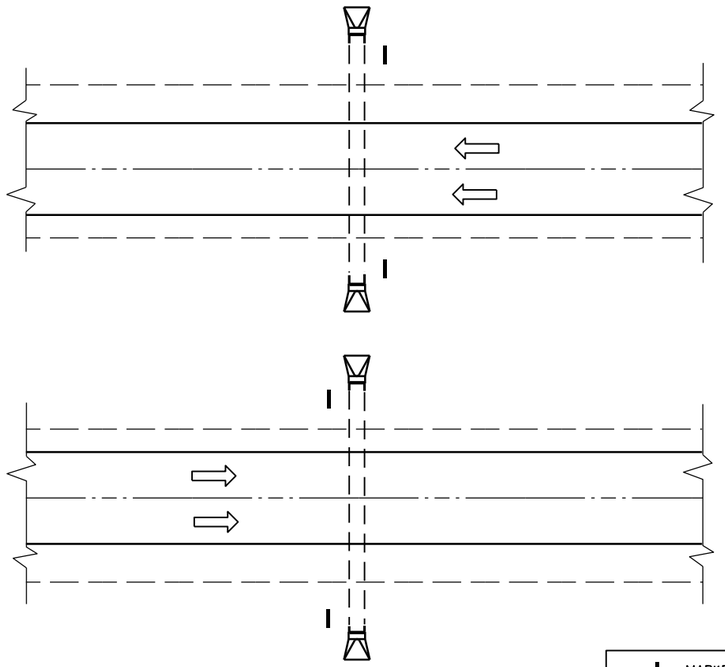
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

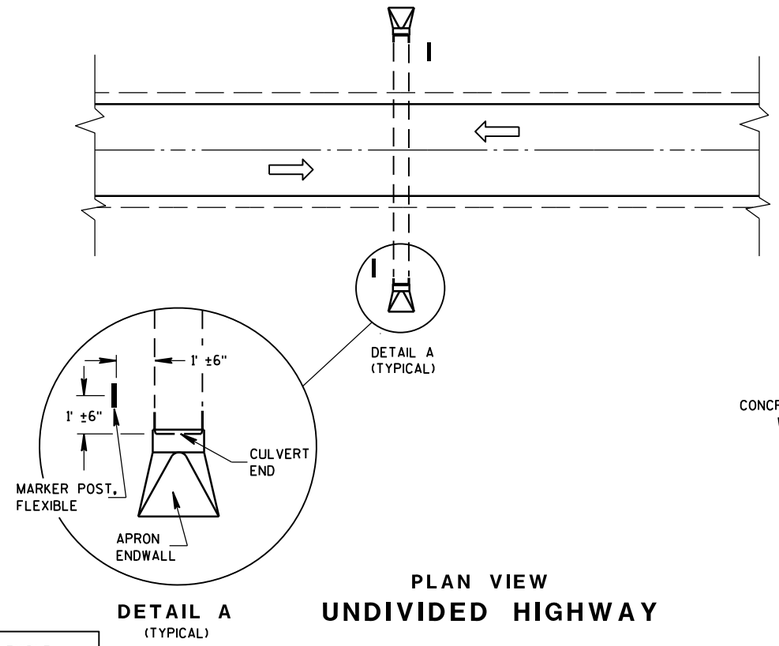
6

SDD 14B44 - 04c



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

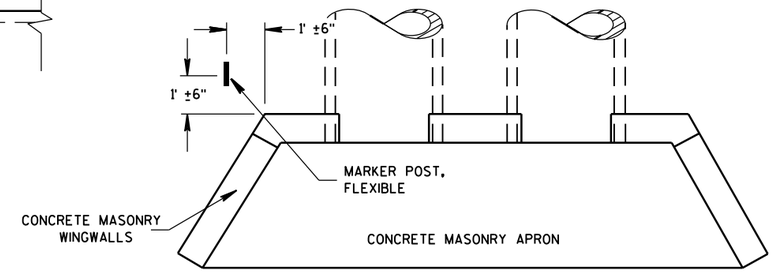
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

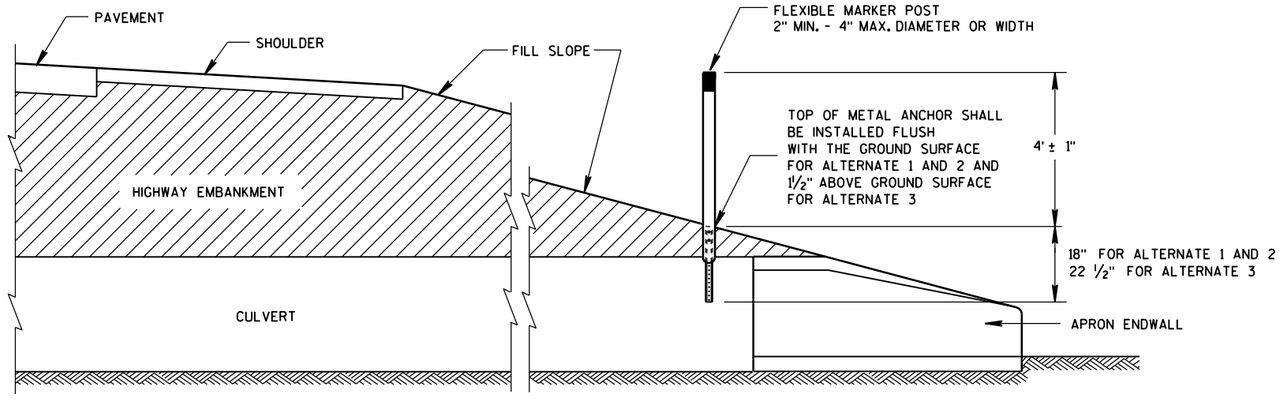
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



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

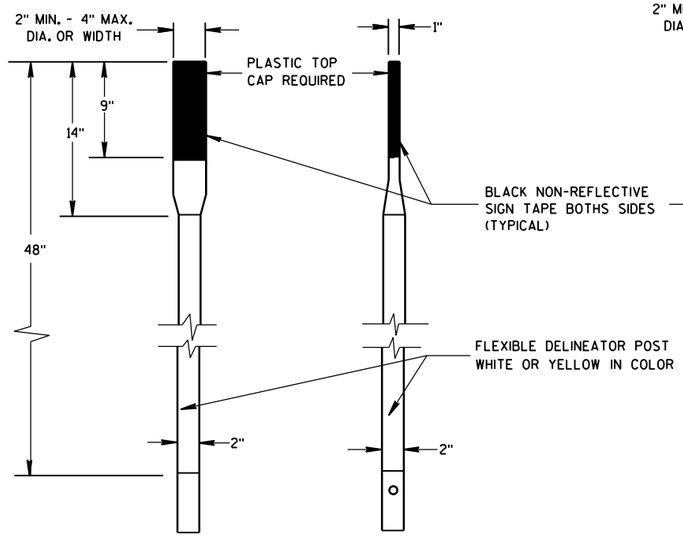
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

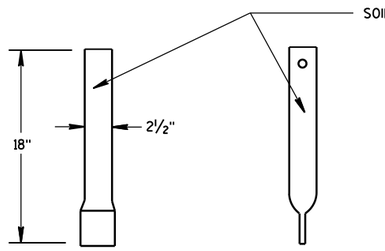
6

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

6

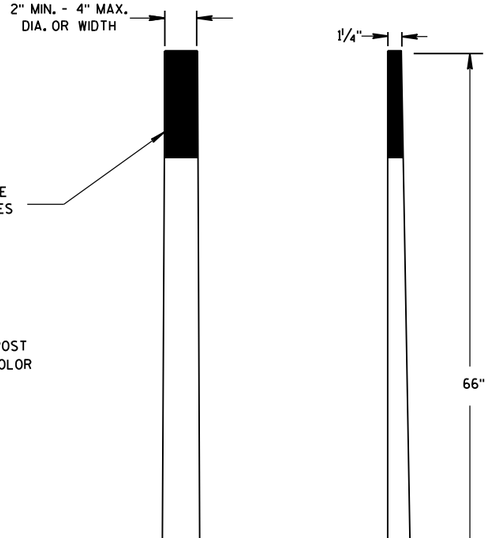
S.D.D. 15 A 3-2a





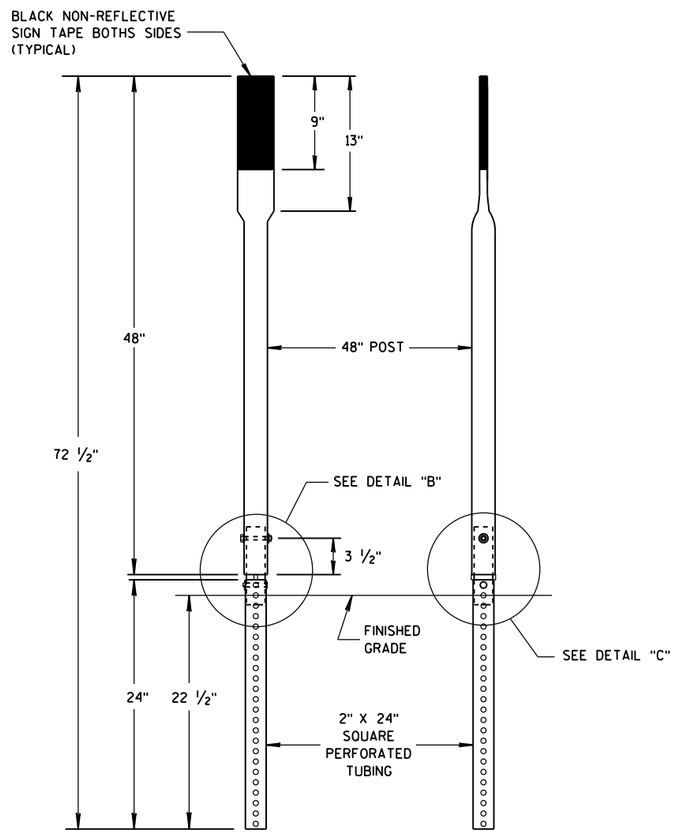
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

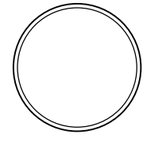
ALTERNATE 2



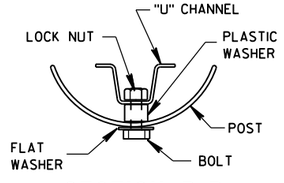
FRONT VIEW SIDE VIEW

ALTERNATE 3

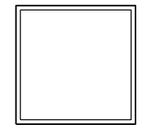
FLEXIBLE MARKER POSTS



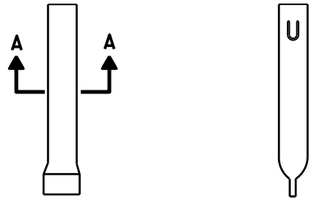
SECTION A-A



SECTION B-B

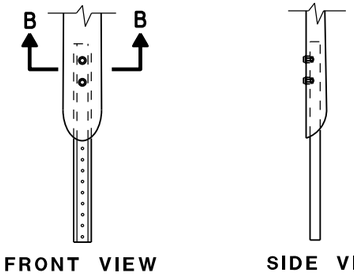


SECTION C-C



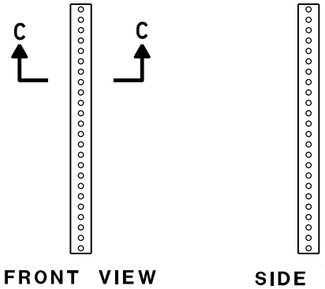
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

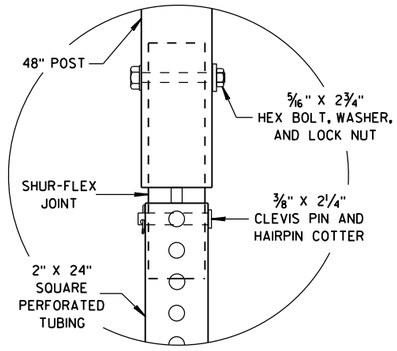
ALTERNATE 2



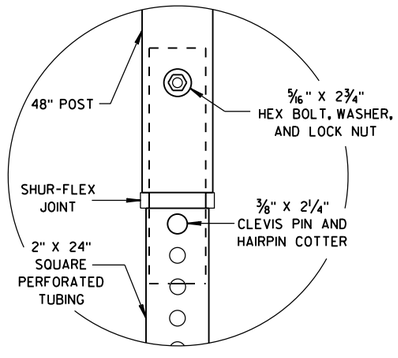
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

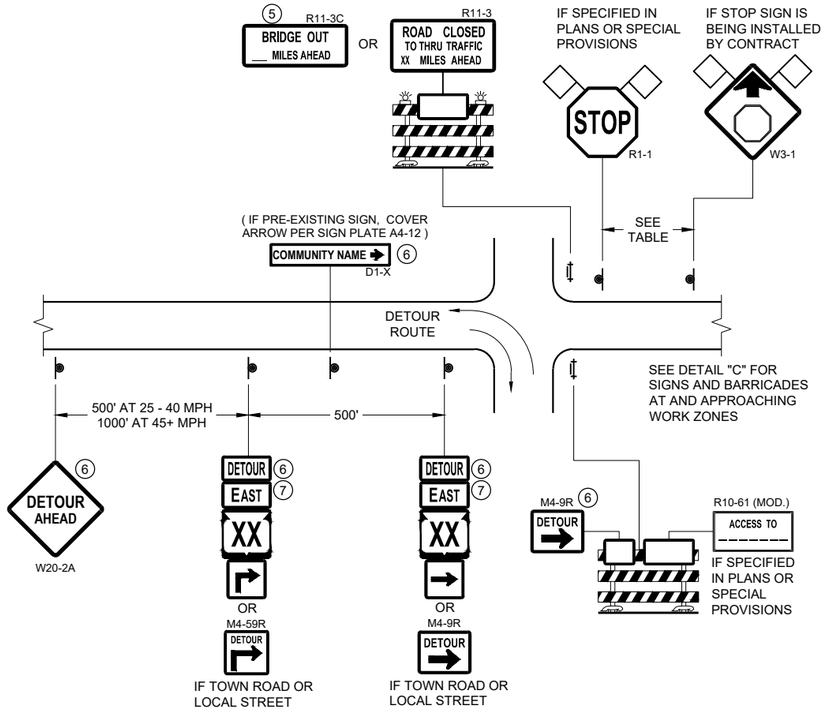
APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

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

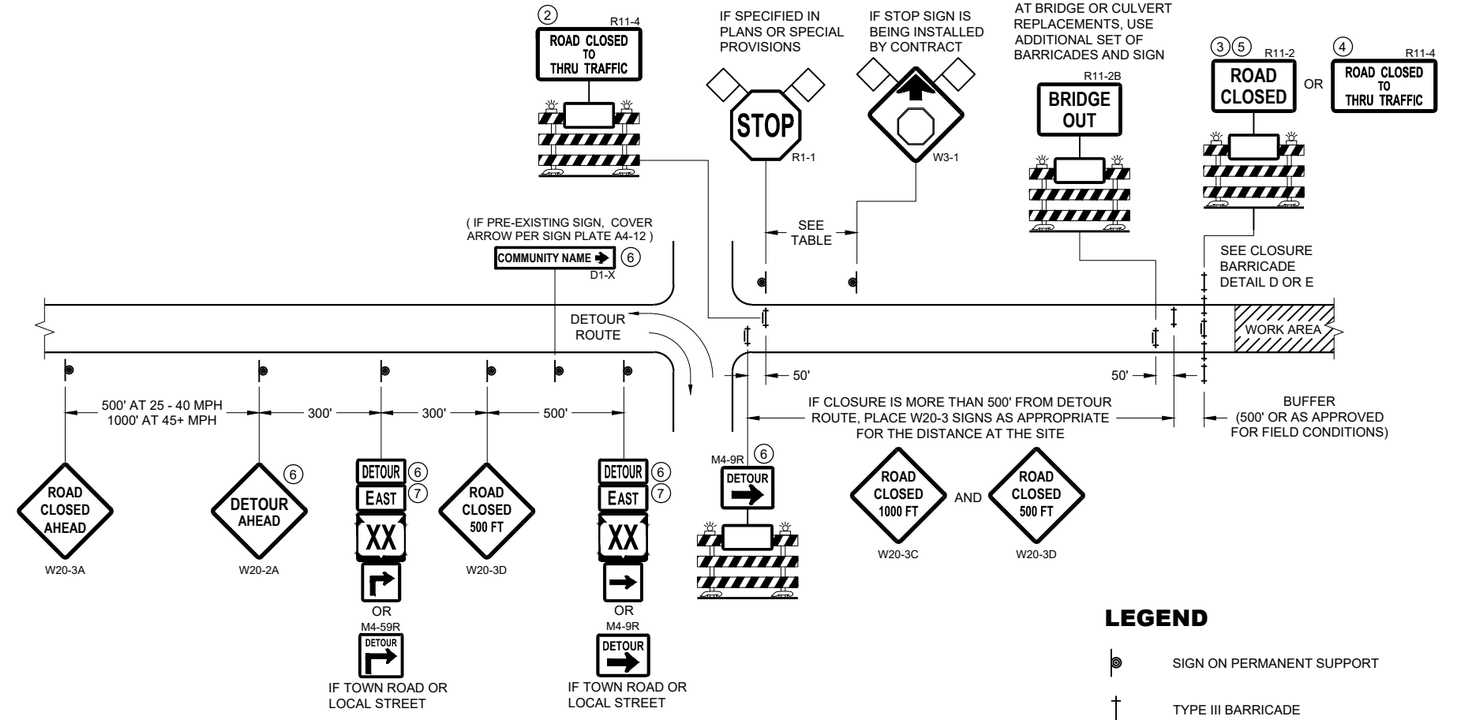
6

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



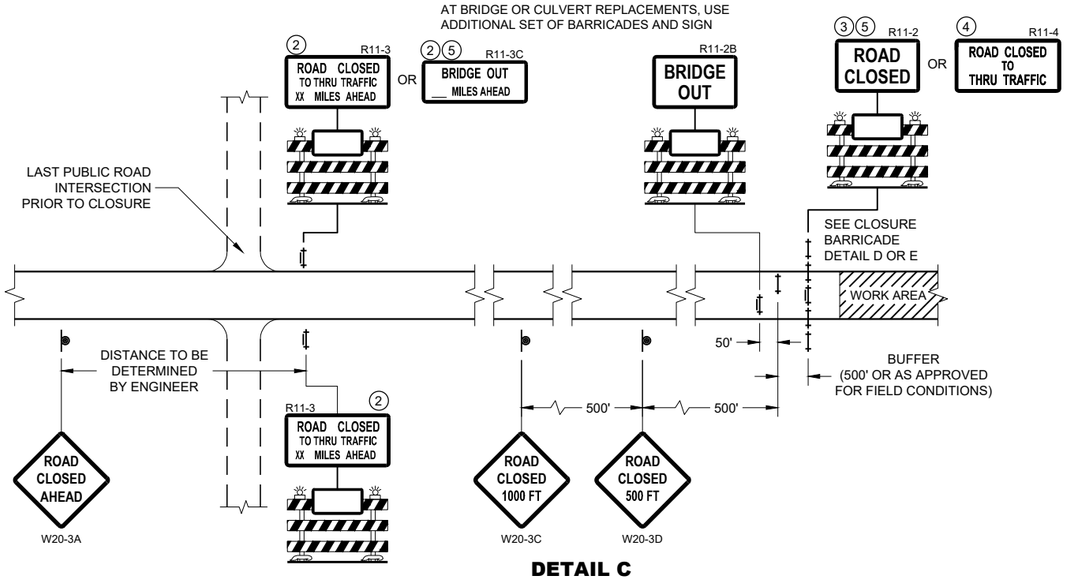
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

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

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

LEGEND

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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

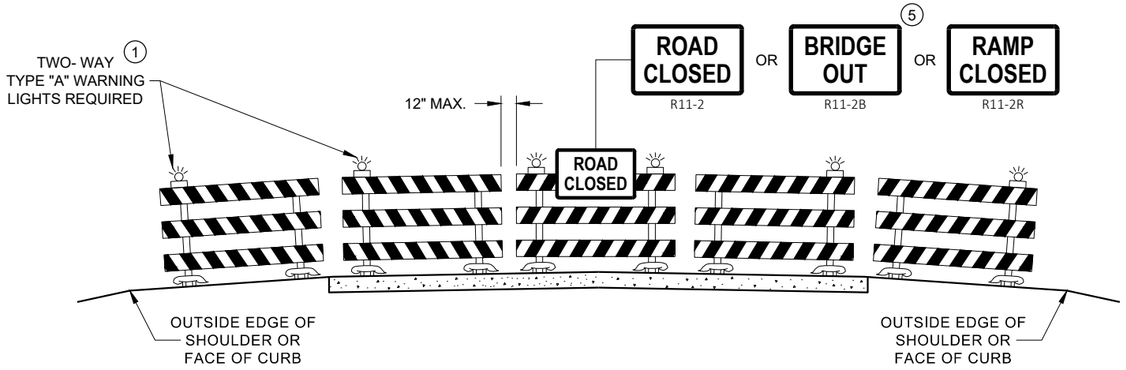
APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

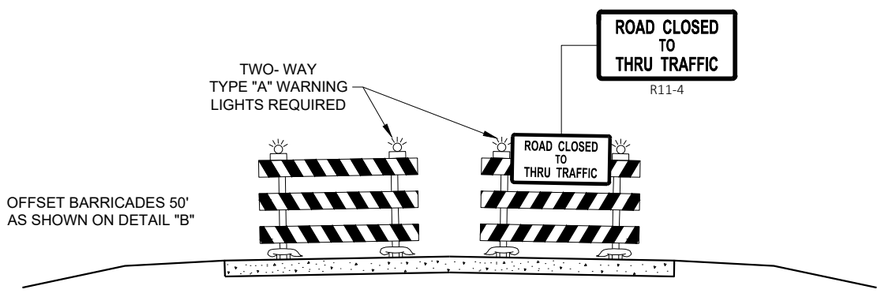
6

SDD 15C02 - 09a

SDD 15C02 - 09a



DETAIL 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 ENGINEER
FHWA

6

SDD 15C02 - 09b

6

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 / EAST — M4 - 8, M3 - X
- XX — M1 - 4
- OR XX — M1 - 6
- OR COUNTY X — M1 - 5A
- M05 - 1
- OR M06 - 1
- OR M06 - 1

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

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

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

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

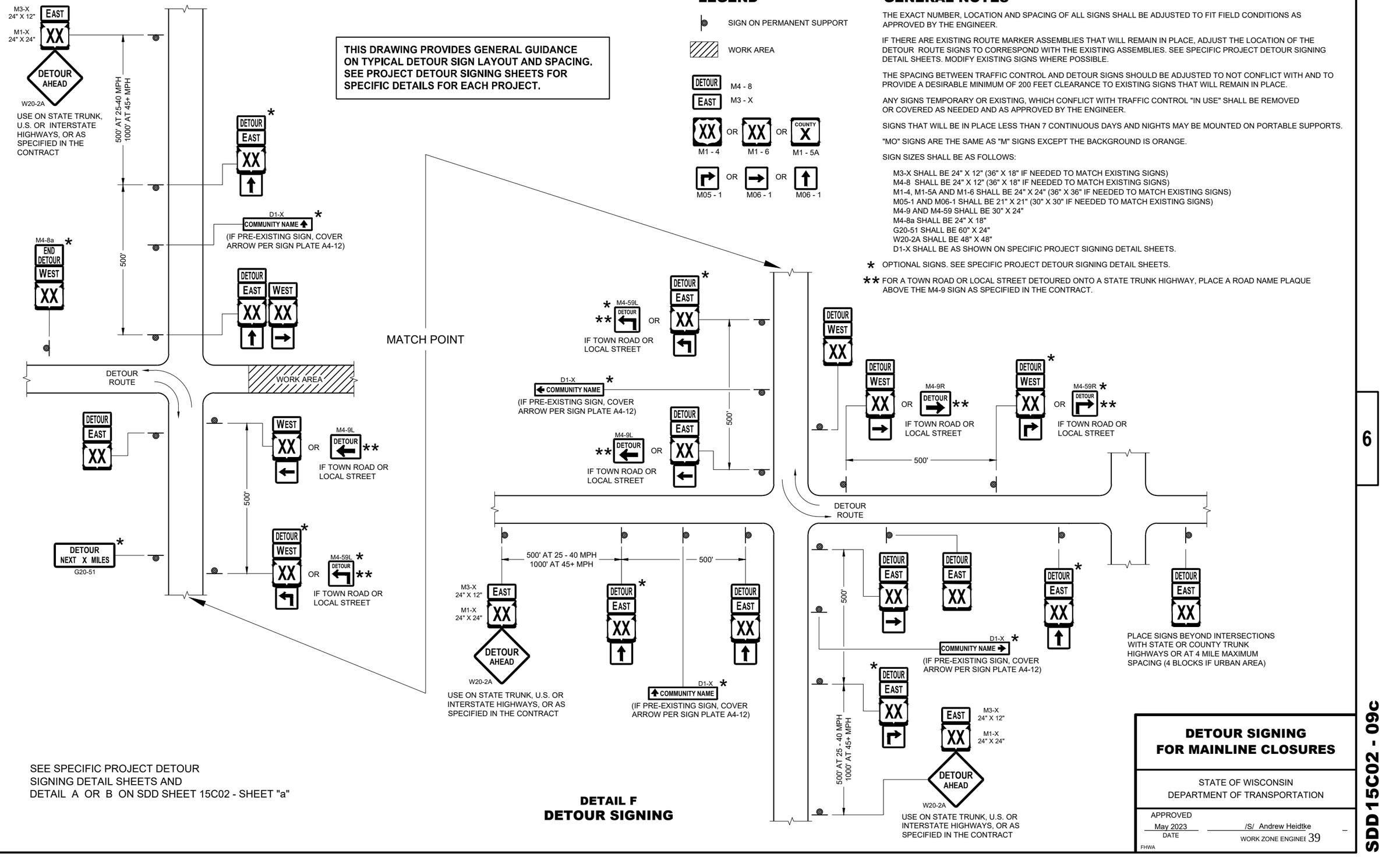
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15C02 - 09c

EARTHWORK - MAINLINE STA 18+50 - STA 19+75

	AREA (SF)		INCREMENTAL VOLUME (CY)			CUMULATIVE VOLUME (CY)			
STATION	CUT	FILL	CUT NOTE 1	FILL NOTE 2	FILL (25%) NOTE 3	CUT 1.00 NOTE 1	FILL NOTE 2	FILL (25%) NOTE 3	MASS ORDINATE NOTE 4
18+50	39	58	0	0	0	0	0	0	0
19+00	39	58	72	107	134	72	107	134	-62
19+50	35	76	69	124	155	141	231	289	-148
19+75	35	77	32	71	89	173	302	378	-205
MAINLINE COLUMN SUBTOTALS =			173	302	378	173	302	378	-205

EARTHWORK - MAINLINE STA 28+40 - STA 29+75

	AREA (SF)		INCREMENTAL VOLUME (CY)			CUMULATIVE VOLUME (CY)			
STATION	CUT	FILL	CUT NOTE 1	FILL NOTE 2	FILL (25%) NOTE 3	CUT 1.00 NOTE 1	FILL NOTE 2	FILL (25%) NOTE 3	MASS ORDINATE NOTE 4
28+40	42	0	0	0	0	0	0	0	0
28+50	41	0	15	0	0	15	0	0	15
29+00	50	12	84	11	14	99	11	14	85
29+50	39	66	82	72	90	181	83	104	77
29+75	39	70	124	114	143	305	197	247	58
MAINLINE COLUMN SUBTOTALS =			305	197	247	305	197	247	58

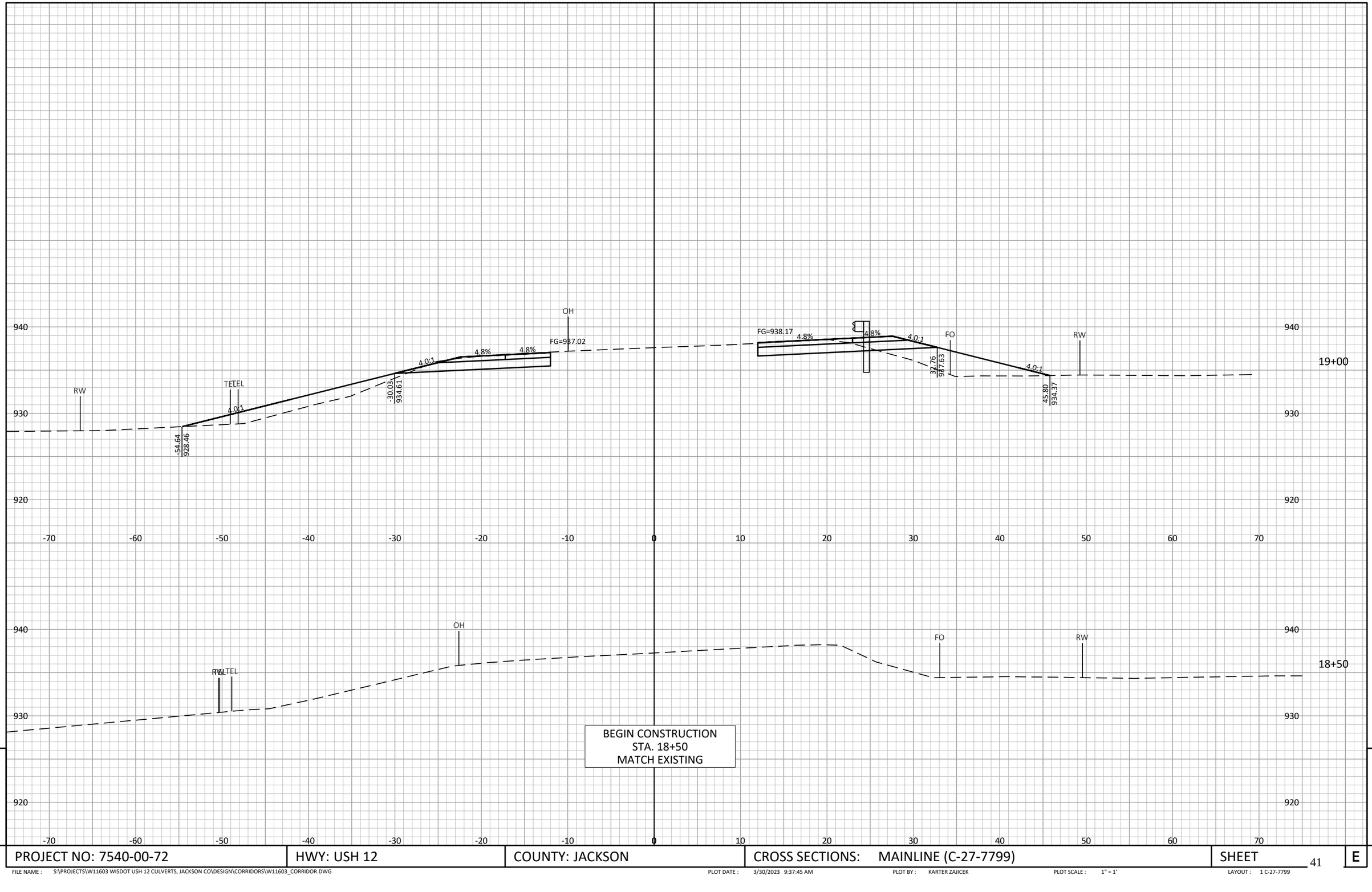
EARTHWORK - MAINLINE STA 21+25 - 22+66

	AREA (SF)		INCREMENTAL VOLUME (CY)			CUMULATIVE VOLUME (CY)			
STATION	CUT	FILL	CUT NOTE 1	FILL NOTE 2	FILL (25%) NOTE 3	CUT 1.00 NOTE 1	FILL NOTE 2	FILL (25%) NOTE 3	MASS ORDINATE NOTE 4
21+25	92	126	0	0	0	0	0	0	0
21+50	92	124	85	116	145	85	116	145	-60
22+00	83	71	162	181	226	247	297	371	-124
22+50	37	32	111	95	119	358	392	490	-132
22+66	37	32	147	126	158	505	518	648	-143
MAINLINE COLUMN SUBTOTALS =			505	518	648	505	518	648	-143

EARTHWORK - MAINLINE STA 31+25 - 32+56

	AREA (SF)		INCREMENTAL VOLUME (CY)			CUMULATIVE VOLUME (CY)			
STATION	CUT	FILL	CUT NOTE 1	FILL NOTE 2	FILL (25%) NOTE 3	CUT 1.00 NOTE 1	FILL NOTE 2	FILL (25%) NOTE 3	MASS ORDINATE NOTE 4
31+25	42	32	0	0	0	0	0	0	0
31+50	42	15	39	22	28	39	22	28	11
32+00	53	9	88	22	28	127	44	56	71
32+50	51	0	96	8	10	223	52	66	157
32+56	51	0	108	9	11	331	61	77	254
MAINLINE COLUMN SUBTOTALS =			331	61	77	331	61	77	254

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
3 - FILL (25%)	(UNEXPANDED FILL)*1.25
4 - MASS ORDINATE	CUT + ROCK (10%) - FILL (25%)

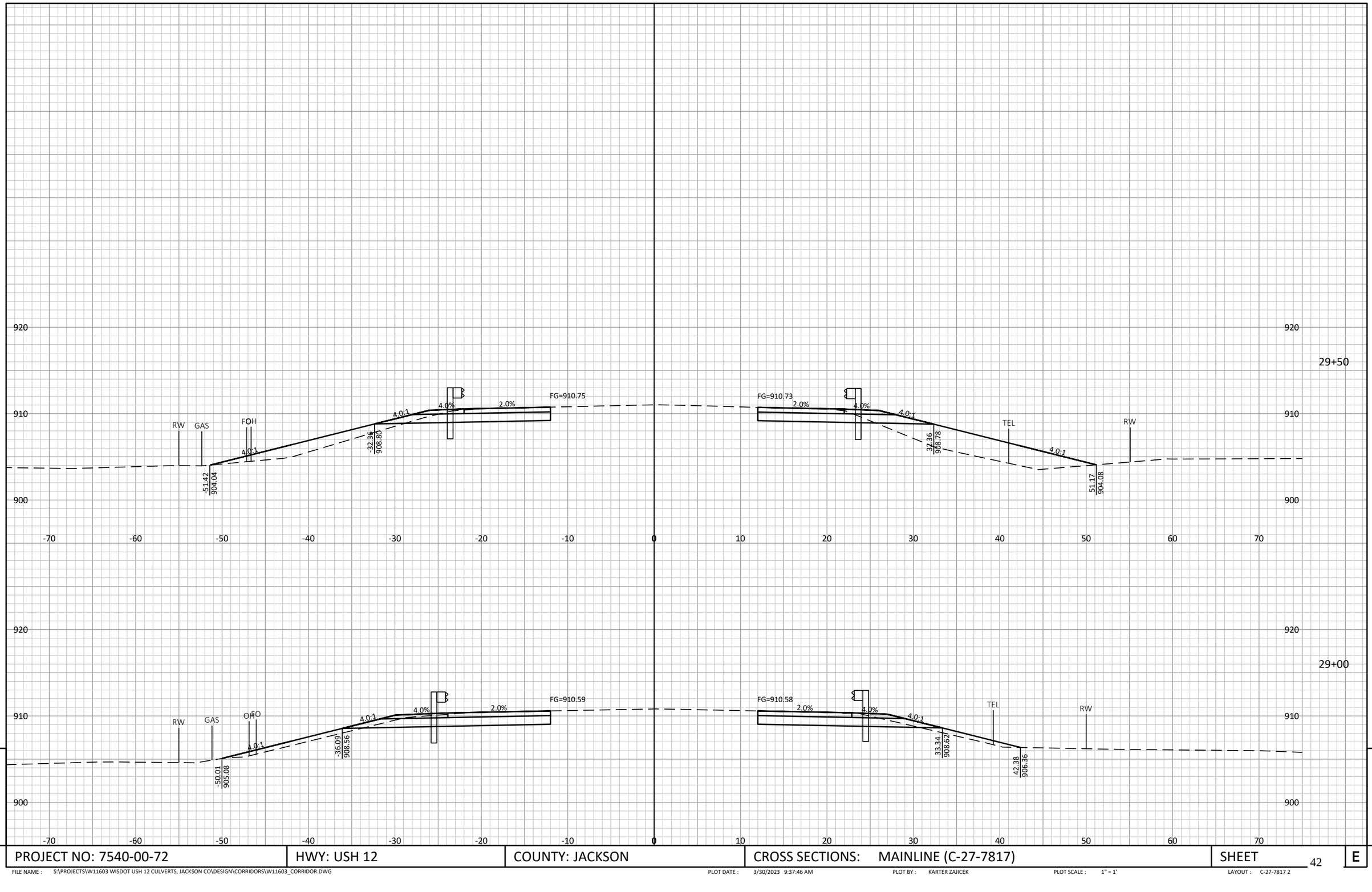


9

9

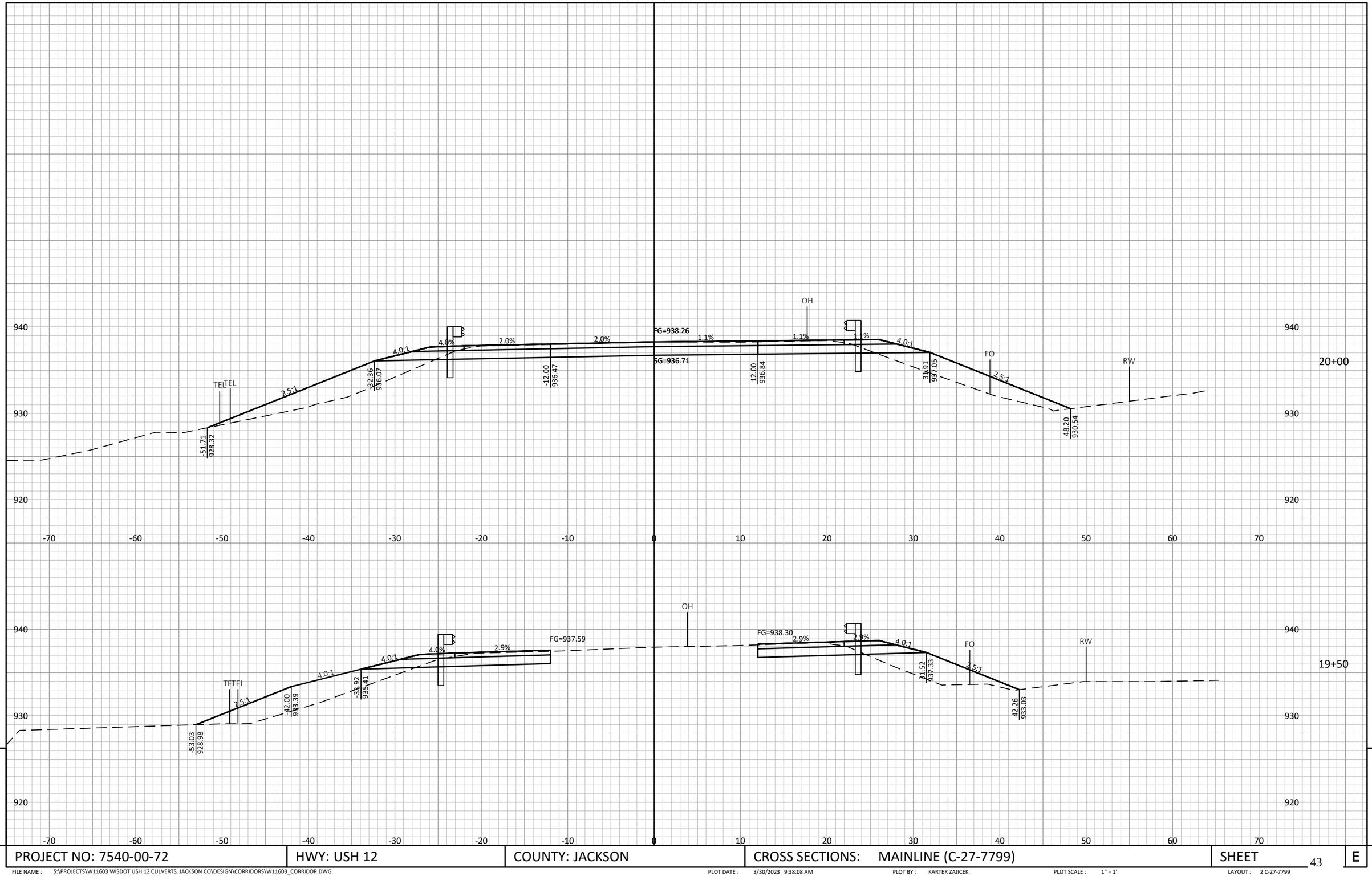
PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	CROSS SECTIONS: MAINLINE (C-27-7799)	SHEET 41	E

FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\DESIGN\CORRIDORS\W11603_CORRIDOR.DWG PLOT DATE : 3/30/2023 9:37:45 AM PLOT BY : KARTER ZAJICEK PLOT SCALE : 1" = 1' LAYOUT : 1 C-27-7799



PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	CROSS SECTIONS: MAINLINE (C-27-7817)	SHEET 42	E

FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\DESIGN\CORRIDORS\W11603_CORRIDOR.DWG
PLOT DATE : 3/30/2023 9:37:46 AM
PLOT BY : KARTER ZAJICEK
PLOT SCALE : 1" = 1'
LAYOUT : C-27-7817 2

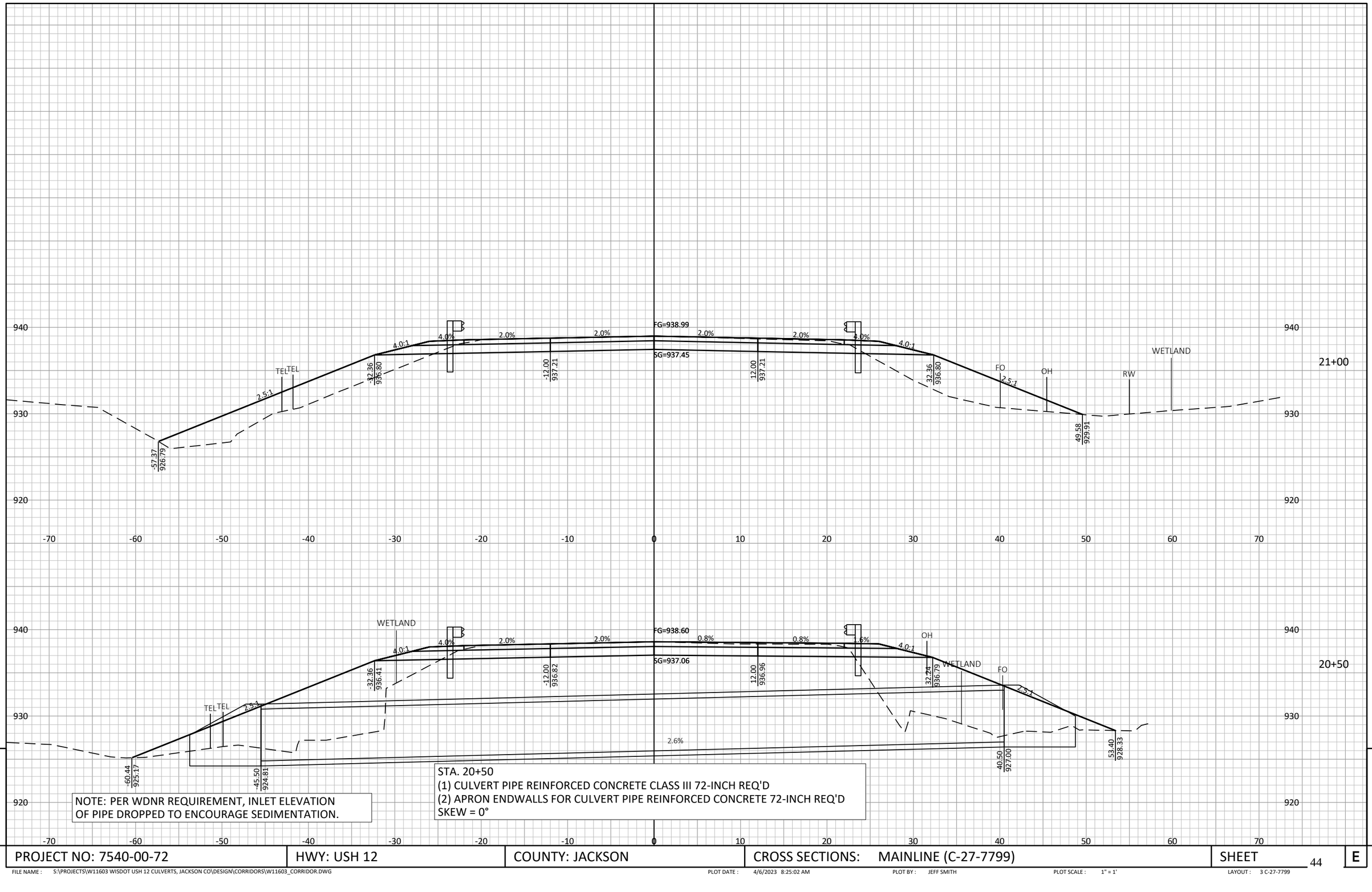


9

9

PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	CROSS SECTIONS: MAINLINE (C-27-7799)	SHEET 43	E

FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\DESIGN\CORRIDORS\W11603_CORRIDOR.DWG PLOT DATE : 3/30/2023 9:38:08 AM PLOT BY : KARTER ZAJICEK PLOT SCALE : 1" = 1' LAYOUT : 2 C-27-7799

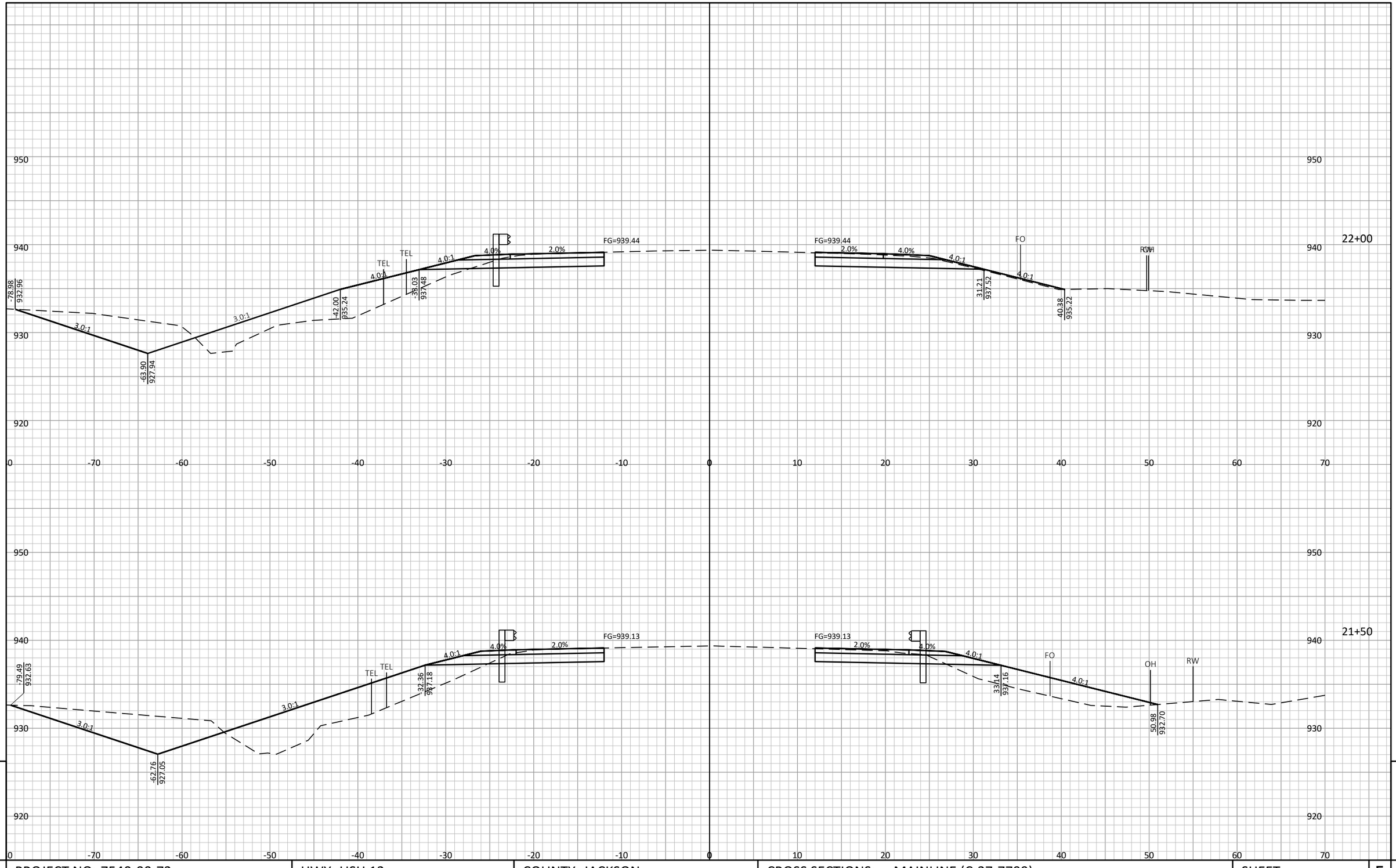


NOTE: PER WDNR REQUIREMENT, INLET ELEVATION OF PIPE DROPPED TO ENCOURAGE SEDIMENTATION.

STA. 20+50
(1) CULVERT PIPE REINFORCED CONCRETE CLASS III 72-INCH REQ'D
(2) APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 72-INCH REQ'D
SKEW = 0°

PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	CROSS SECTIONS: MAINLINE (C-27-7799)	SHEET 44	E

FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\DESIGN\CORRIDORS\W11603_CORRIDOR.DWG PLOT DATE : 4/6/2023 8:25:02 AM PLOT BY : JEFF SMITH PLOT SCALE : 1" = 1' LAYOUT : 3 C-27-7799



PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	CROSS SECTIONS: MAINLINE (C-27-7799)	SHEET 45 E

FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\DESIGN\CORRIDORS\W11603_CORRIDOR.DWG
PLOT DATE : 3/30/2023 9:38:16 AM
PLOT BY : KARTER ZAJICEK
PLOT SCALE : 1" = 1'
LAYOUT : 4 C-27-7799

END CONSTRUCTION
STA. 22+65.60
MATCH EXISTING

22+66

22+50

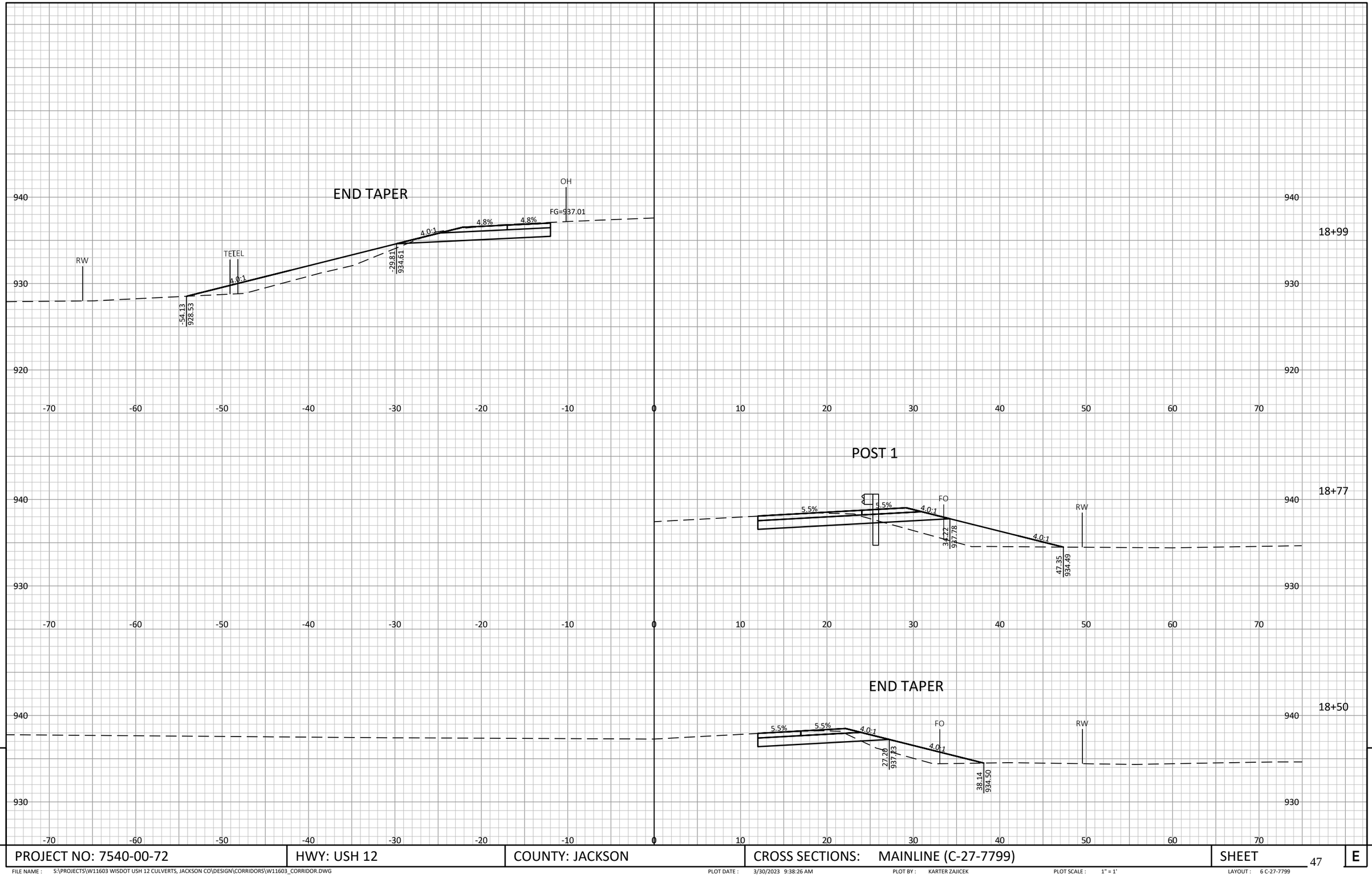
TEL
TEL
FO
OH
RW
TEL
TEL
FO
RW
FG=939.77
FG=939.77
4.0:1
4.0%
2.0%
3.0:1
-47.48
933.32
42.00
935.14
-31.17
937.85
27.36
937.92
37.03
935.50

950
940
930
920
-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	CROSS SECTIONS: MAINLINE (C-27-7799)	SHEET 46	E

FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\DESIGN\CORRIDORS\W11603_CORRIDOR.DWG
PLOT DATE : 3/30/2023 9:38:21 AM
PLOT BY : KARTER ZAJICEK
PLOT SCALE : 1" = 1'
LAYOUT : 5 C-27-7799



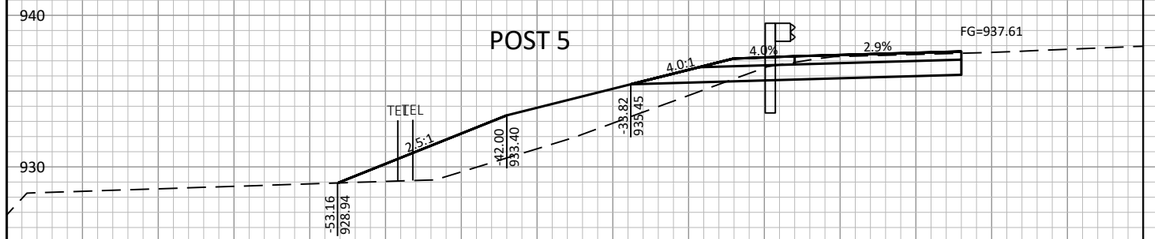
9

9

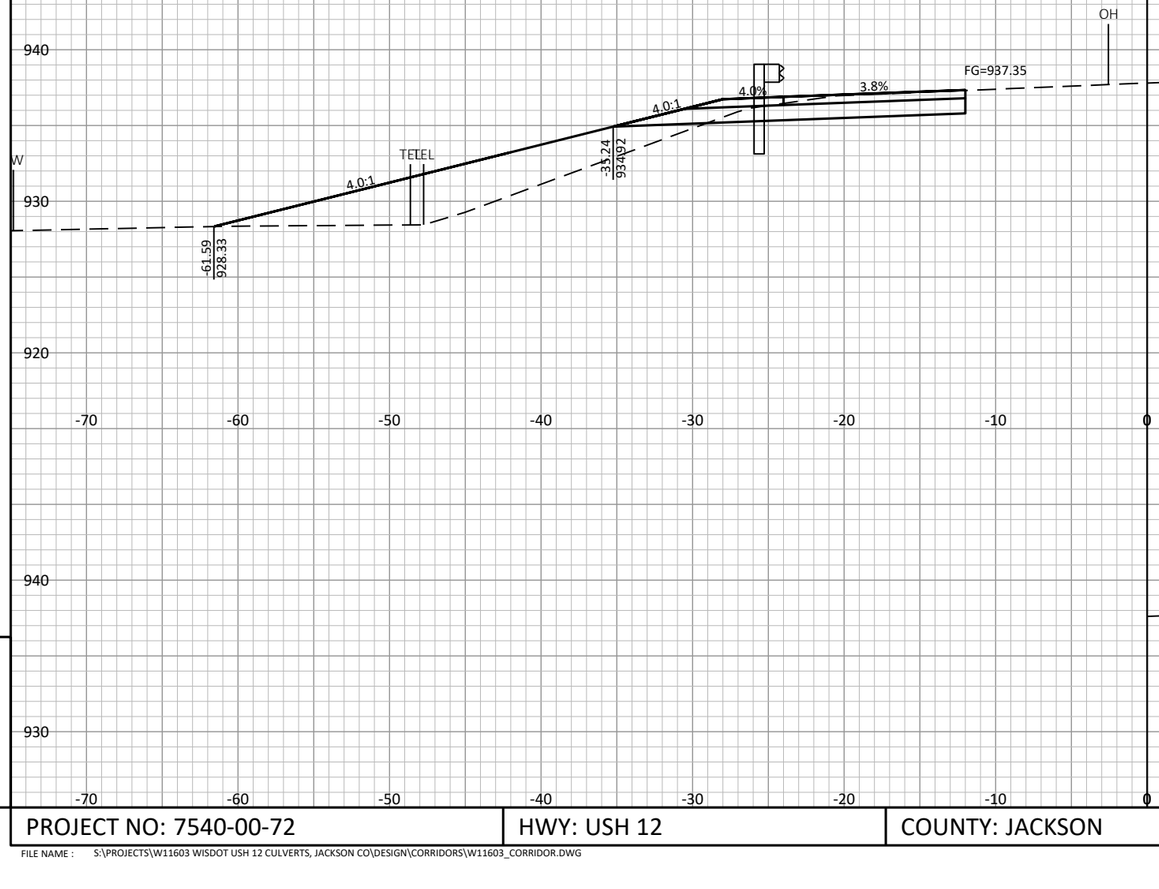
PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	CROSS SECTIONS: MAINLINE (C-27-7799)	SHEET 47	E

FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\DESIGN\CORRIDORS\W11603_CORRIDOR.DWG PLOT DATE : 3/30/2023 9:38:26 AM PLOT BY : KARTER ZAJICEK PLOT SCALE : 1" = 1' LAYOUT : 6 C-27-7799

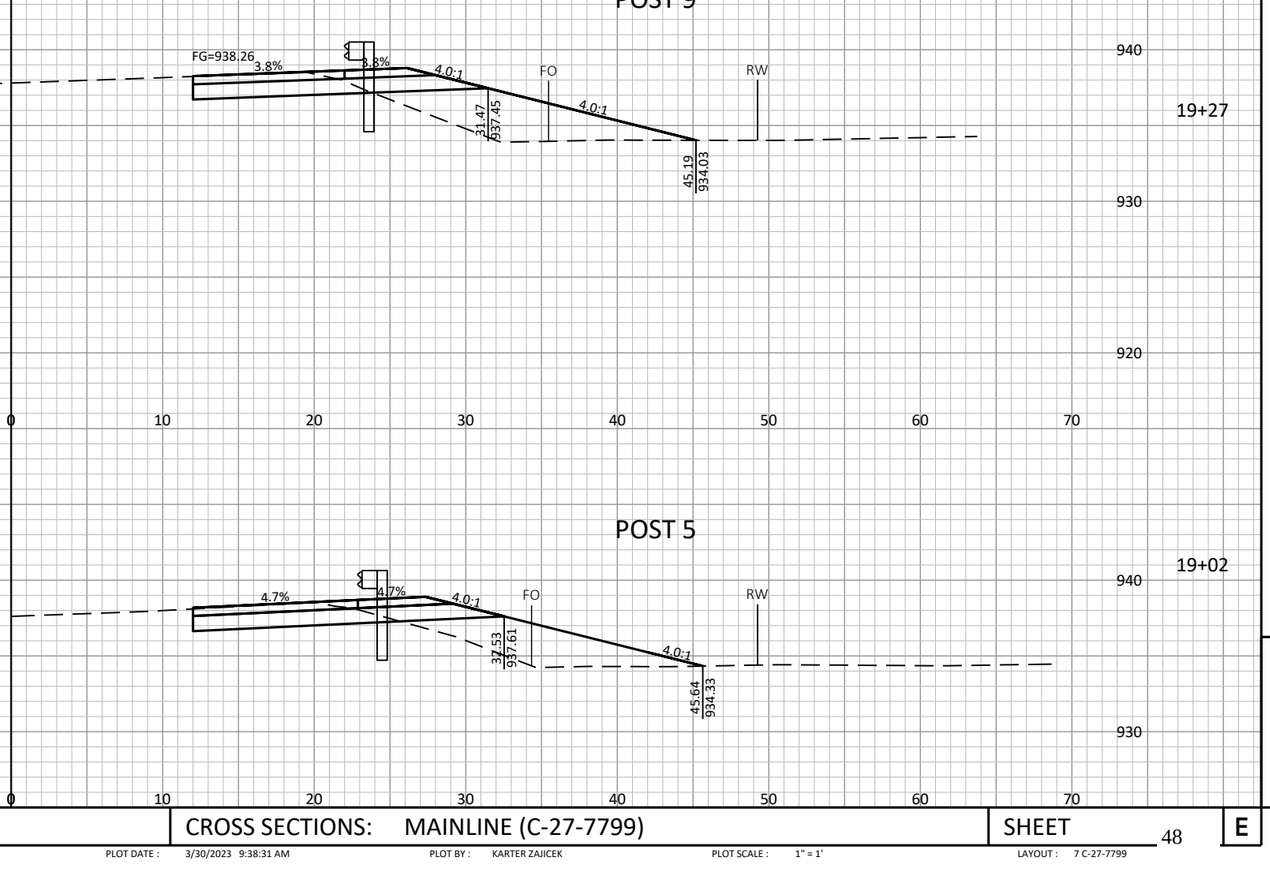
POST 5



POST 1



POST 9



POST 5

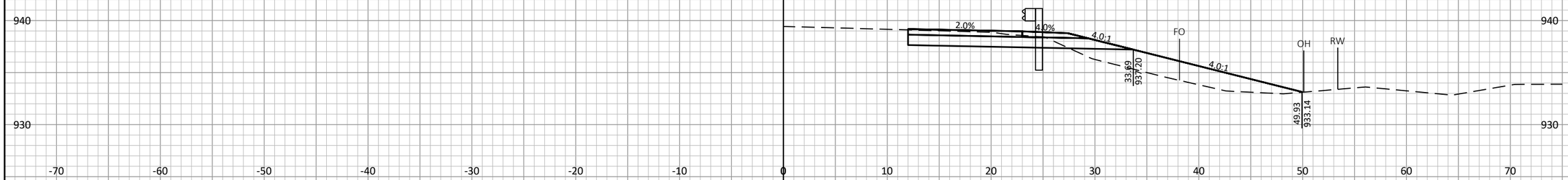
9

9

PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	CROSS SECTIONS: MAINLINE (C-27-7799)	SHEET 48	E

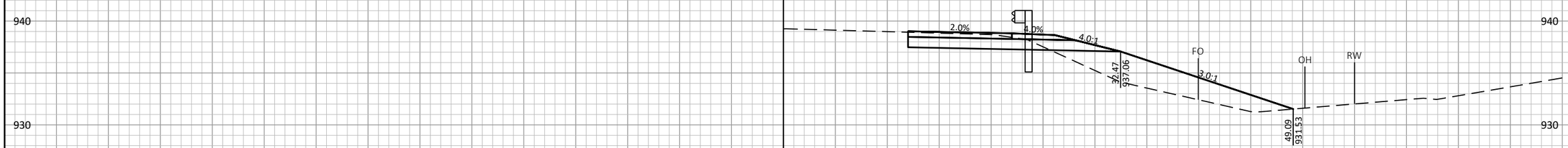
FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\DESIGN\CORRIDORS\W11603_CORRIDOR.DWG PLOT DATE : 3/30/2023 9:38:31 AM PLOT BY : KARTER ZAJICEK PLOT SCALE : 1" = 1' LAYOUT : 7 C-27-7799

POST 5



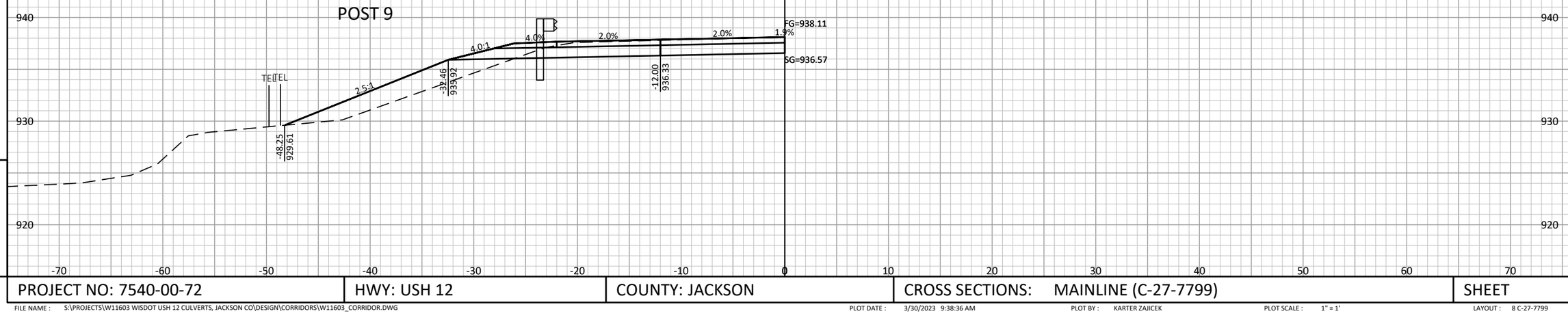
21+58

POST 9



21+33

POST 9



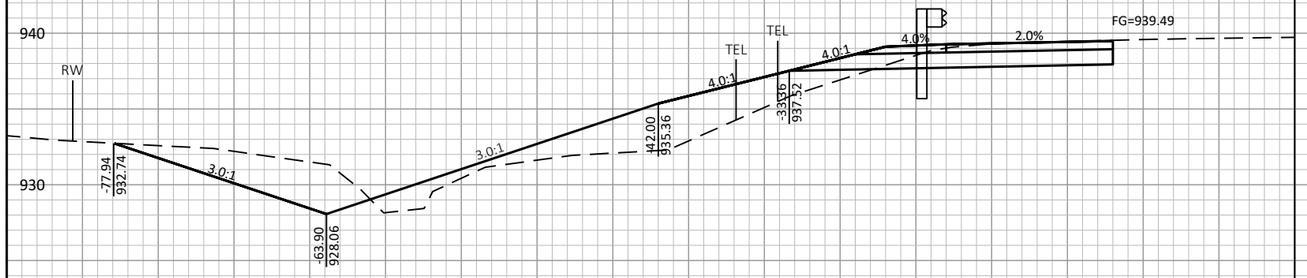
19+77

9 9

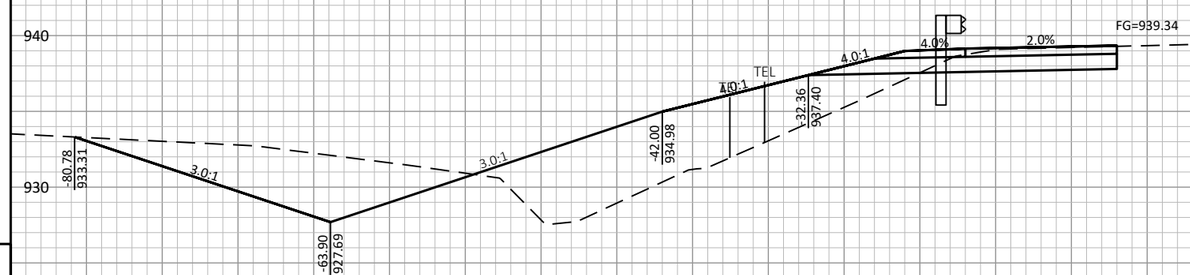
PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	CROSS SECTIONS: MAINLINE (C-27-7799)	SHEET 49	E

FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\DESIGN\CORRIDORS\W11603_CORRIDOR.DWG PLOT DATE : 3/30/2023 9:38:36 AM PLOT BY : KARTER ZAJICEK PLOT SCALE : 1" = 1' LAYOUT : 8 C-27-7799

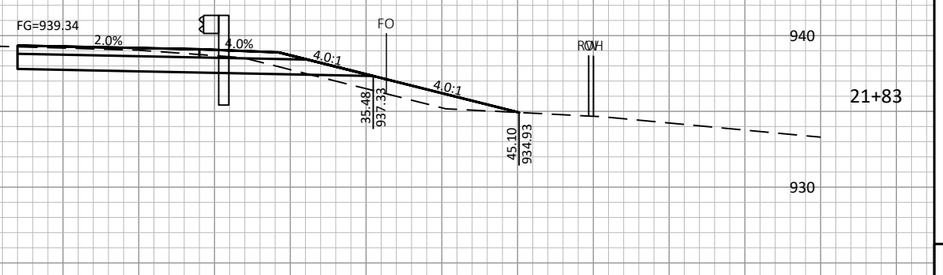
POST 5



POST 9



POST 1



22+08

21+83

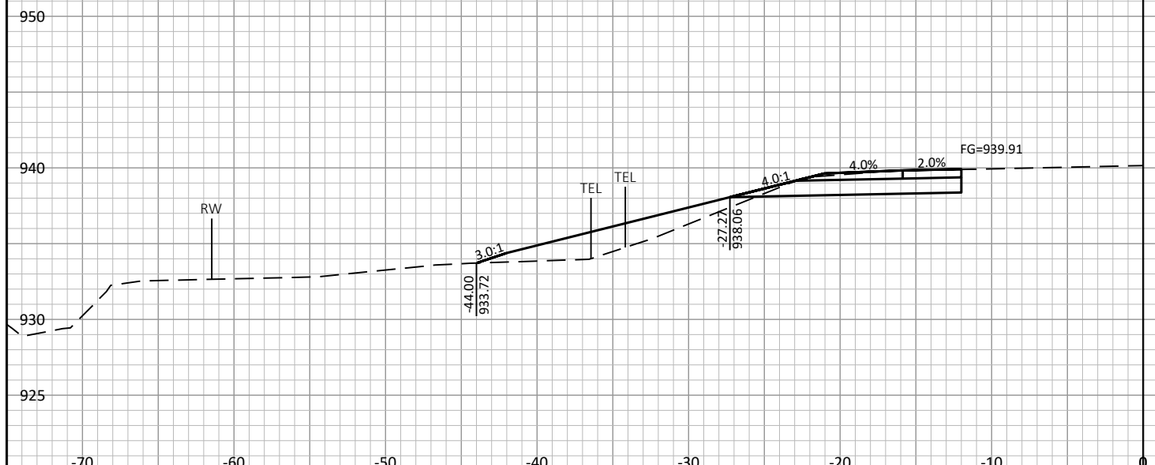
9

9

PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	CROSS SECTIONS: MAINLINE (C-27-7799)	SHEET	E

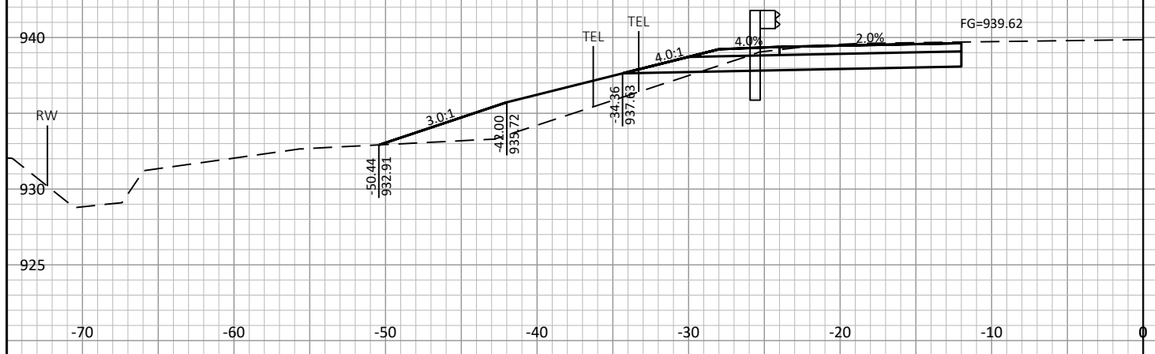
FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\DESIGN\CORRIDORS\W11603_CORRIDOR.DWG PLOT DATE : 3/30/2023 9:38:41 AM PLOT BY : KARTER ZAJICEK PLOT SCALE : 1" = 1' LAYOUT : 9 C-27-7799

END TAPER



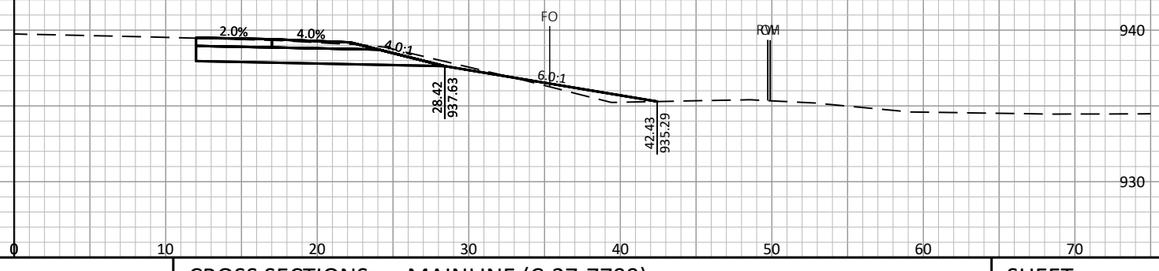
22+66

POST 1



22+33

END TAPER



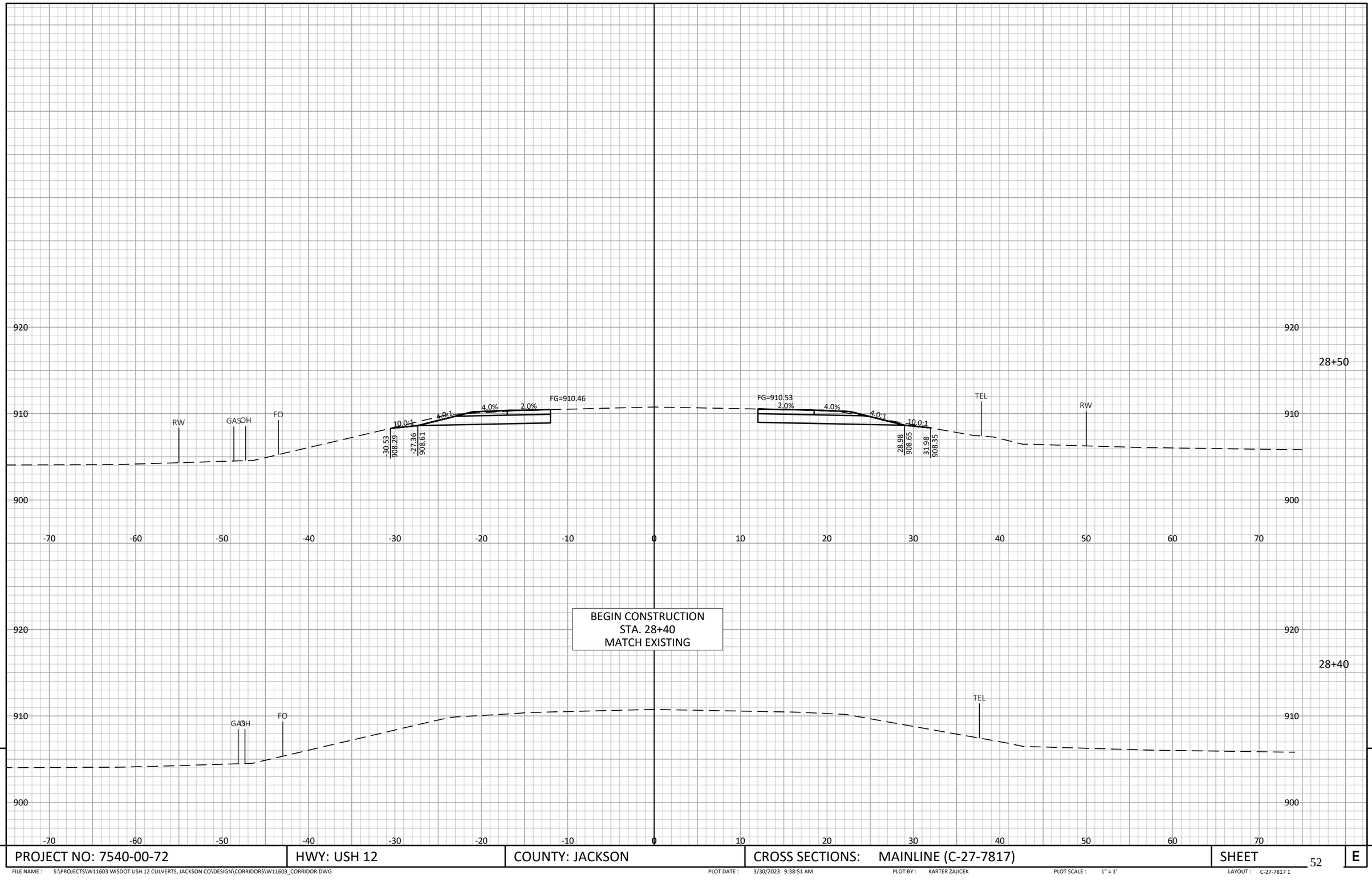
22+11

9

9

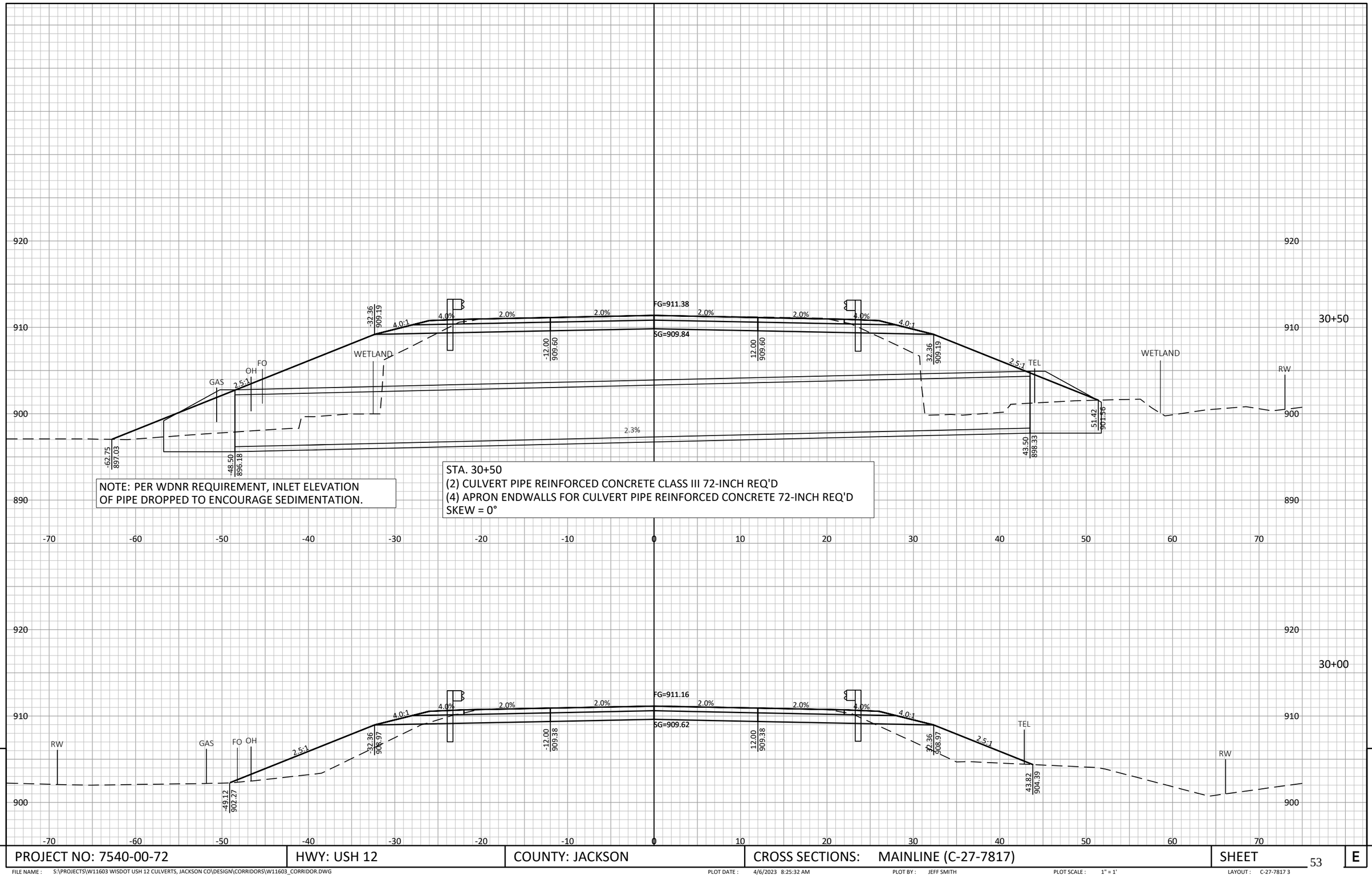
PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	CROSS SECTIONS: MAINLINE (C-27-7799)	SHEET	E

FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\DESIGN\CORRIDORS\W11603_CORRIDOR.DWG PLOT DATE : 3/30/2023 9:38:46 AM PLOT BY : KARTER ZAJICEK PLOT SCALE : 1" = 1' LAYOUT : 10 C-27-7799



PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	CROSS SECTIONS: MAINLINE (C-27-7817)	SHEET	E

FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\DESIGN\CORRIDORS\W11603_CORRIDOR.DWG PLOT DATE : 3/30/2023 9:38:51 AM PLOT BY : KARTER ZAJICEK PLOT SCALE : 1" = 1' LAYOUT : C-27-7817 1



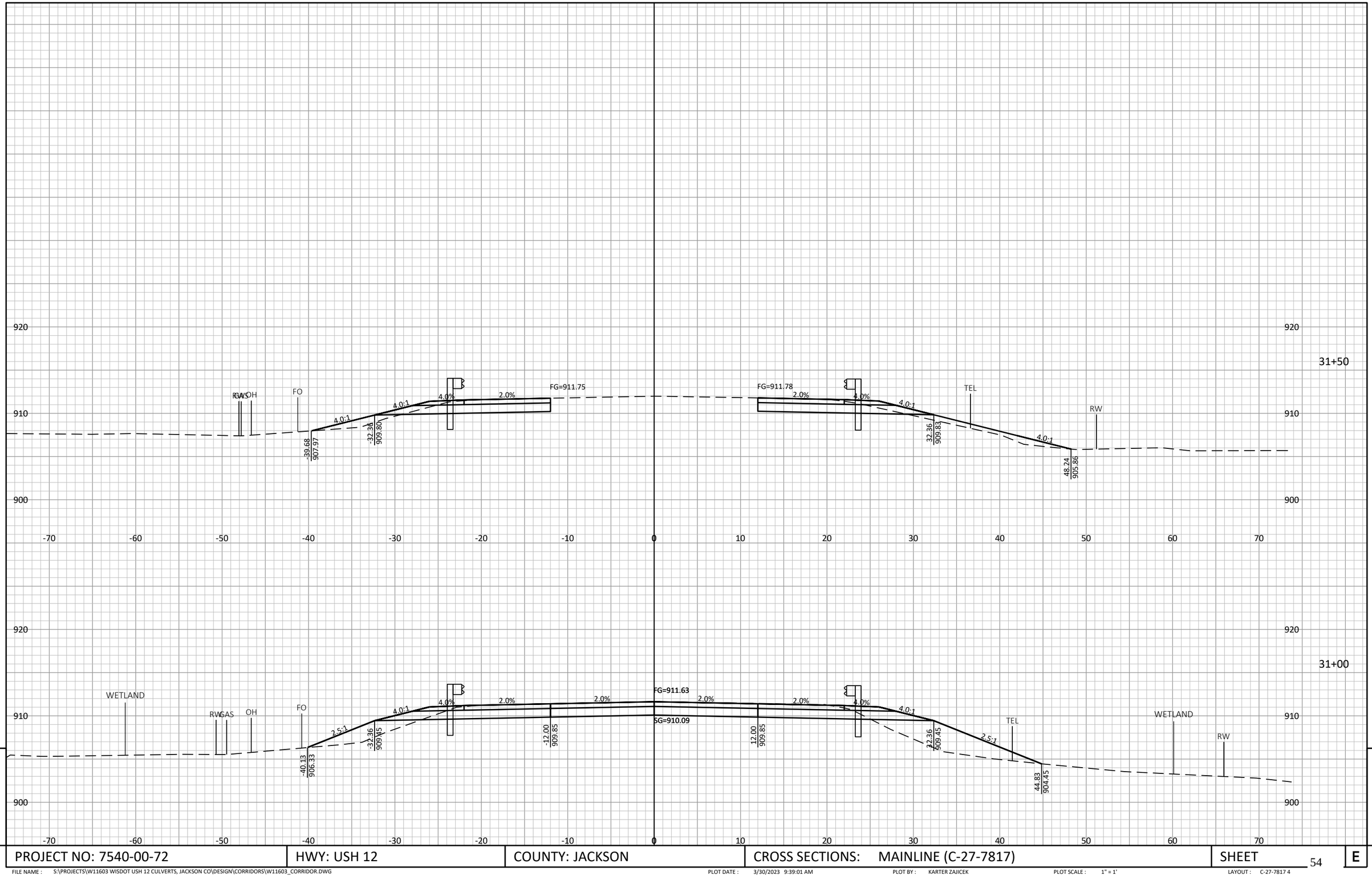
NOTE: PER WDNR REQUIREMENT, INLET ELEVATION OF PIPE DROPPED TO ENCOURAGE SEDIMENTATION.

STA. 30+50
(2) CULVERT PIPE REINFORCED CONCRETE CLASS III 72-INCH REQ'D
(4) APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 72-INCH REQ'D
SKEW = 0°

9 9

PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	CROSS SECTIONS: MAINLINE (C-27-7817)	SHEET 53	E

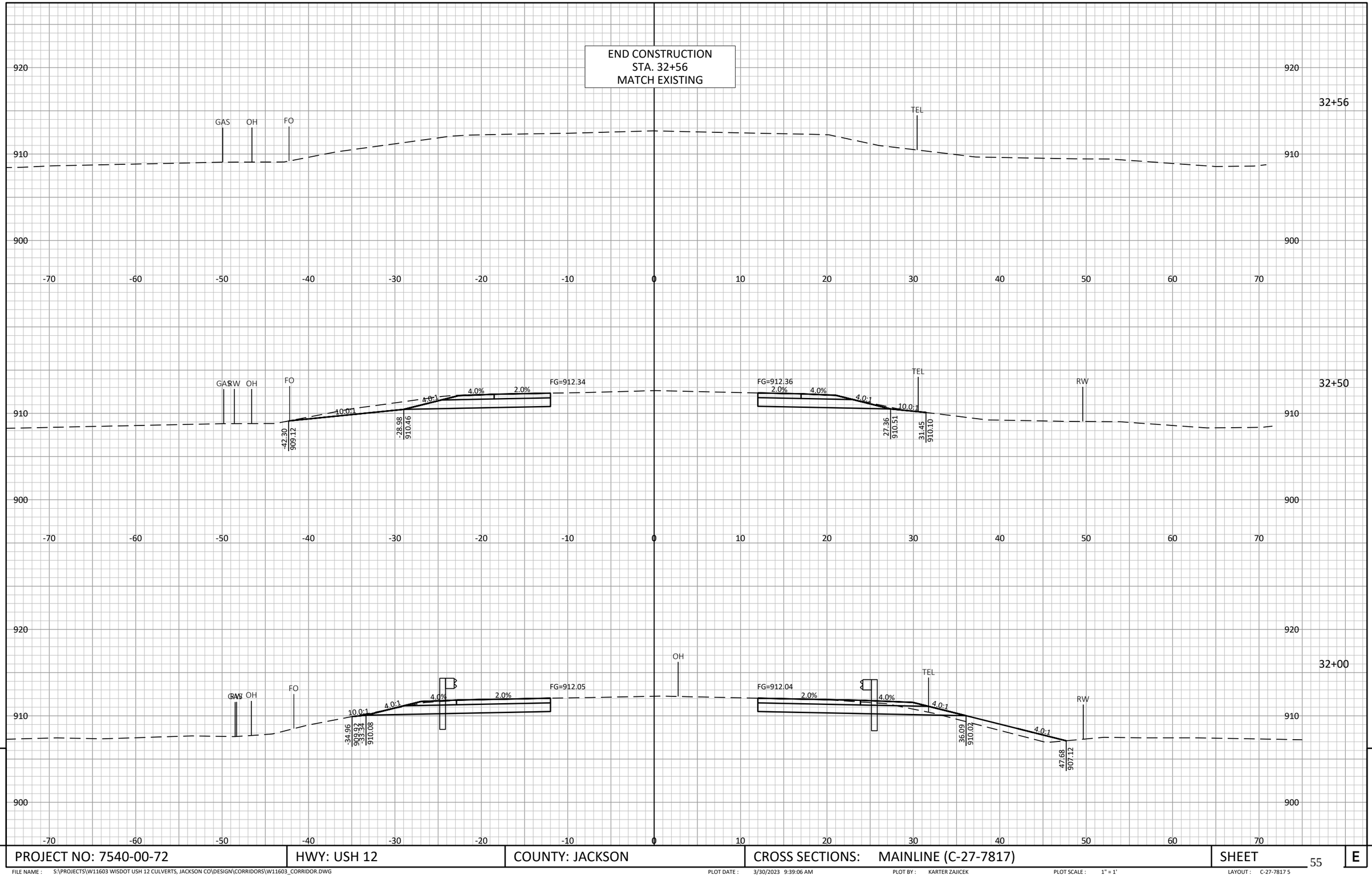
FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\DESIGN\CORRIDORS\W11603_CORRIDOR.DWG
PLOT DATE : 4/6/2023 8:25:32 AM
PLOT BY : JEFF SMITH
PLOT SCALE : 1" = 1'
LAYOUT : C-27-7817 3



PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	CROSS SECTIONS: MAINLINE (C-27-7817)	SHEET 54	E

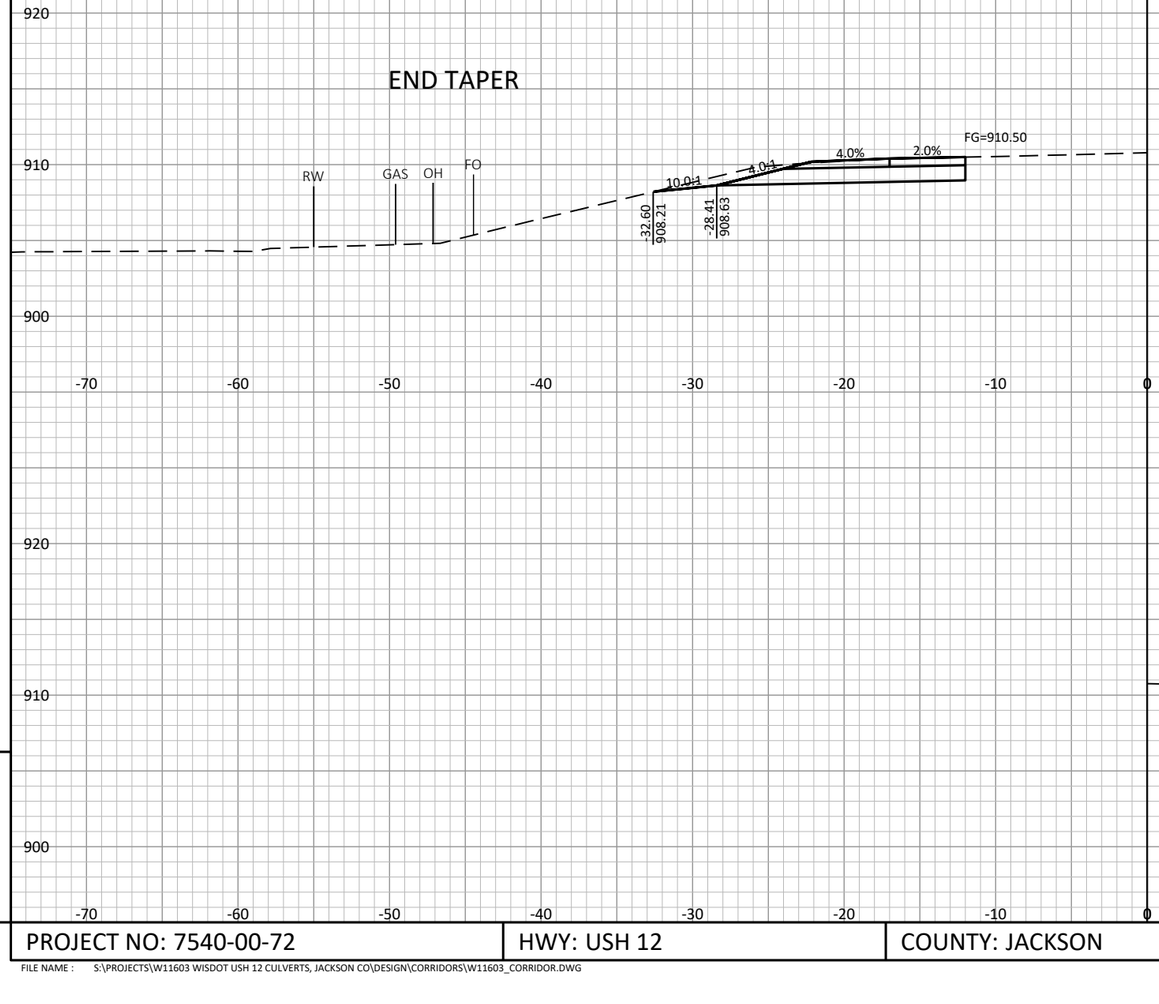
FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\DESIGN\CORRIDORS\W11603_CORRIDOR.DWG PLOT DATE : 3/30/2023 9:39:01 AM PLOT BY : KARTER ZAJICEK PLOT SCALE : 1" = 1' LAYOUT : C-27-7817 4

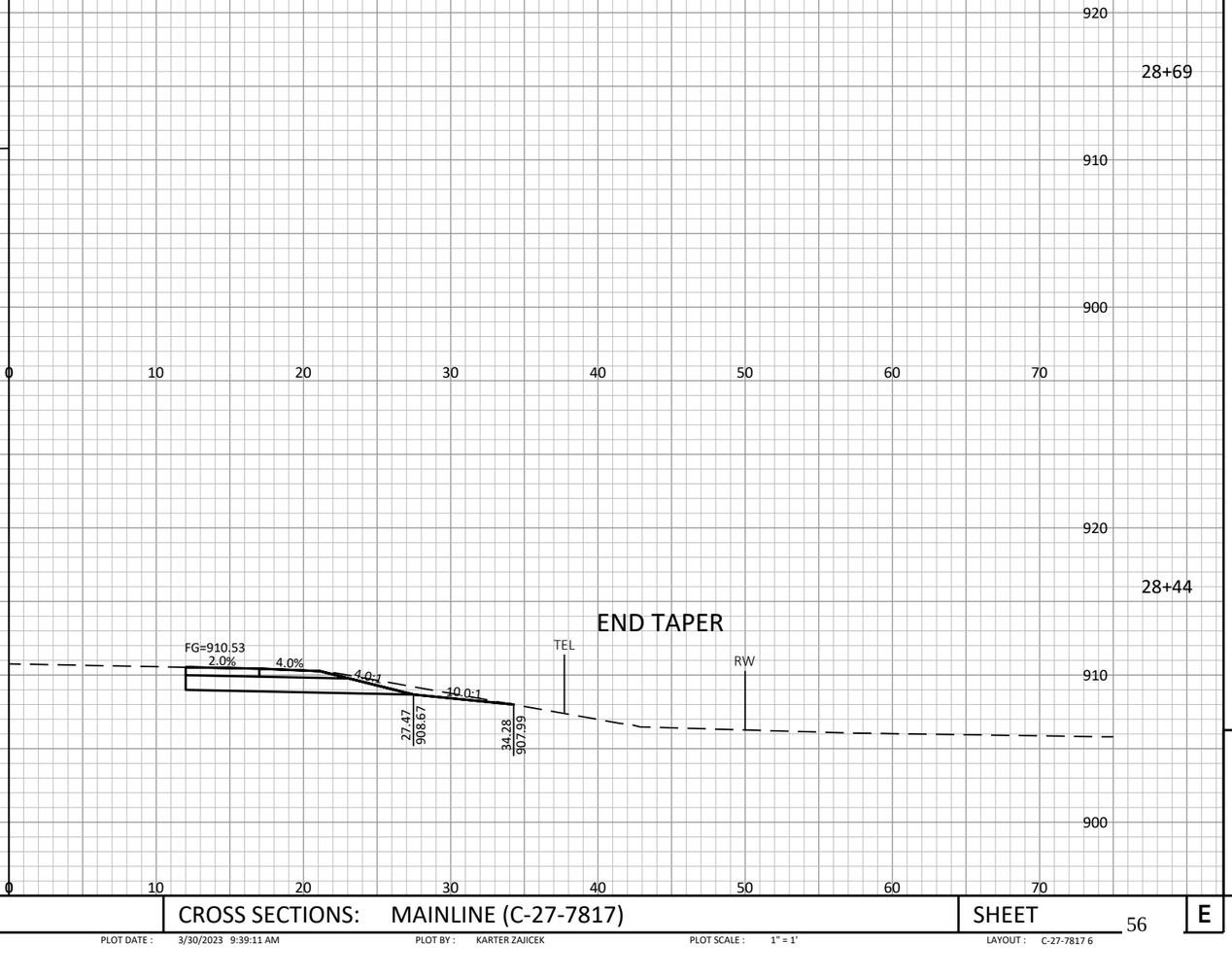
END CONSTRUCTION
STA. 32+56
MATCH EXISTING



PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	CROSS SECTIONS: MAINLINE (C-27-7817)	SHEET	E

FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\DESIGN\CORRIDORS\W11603_CORRIDOR.DWG
PLOT DATE : 3/30/2023 9:39:06 AM
PLOT BY : KARTER ZAJICEK
PLOT SCALE : 1" = 1'
LAYOUT : C-27-7817 5



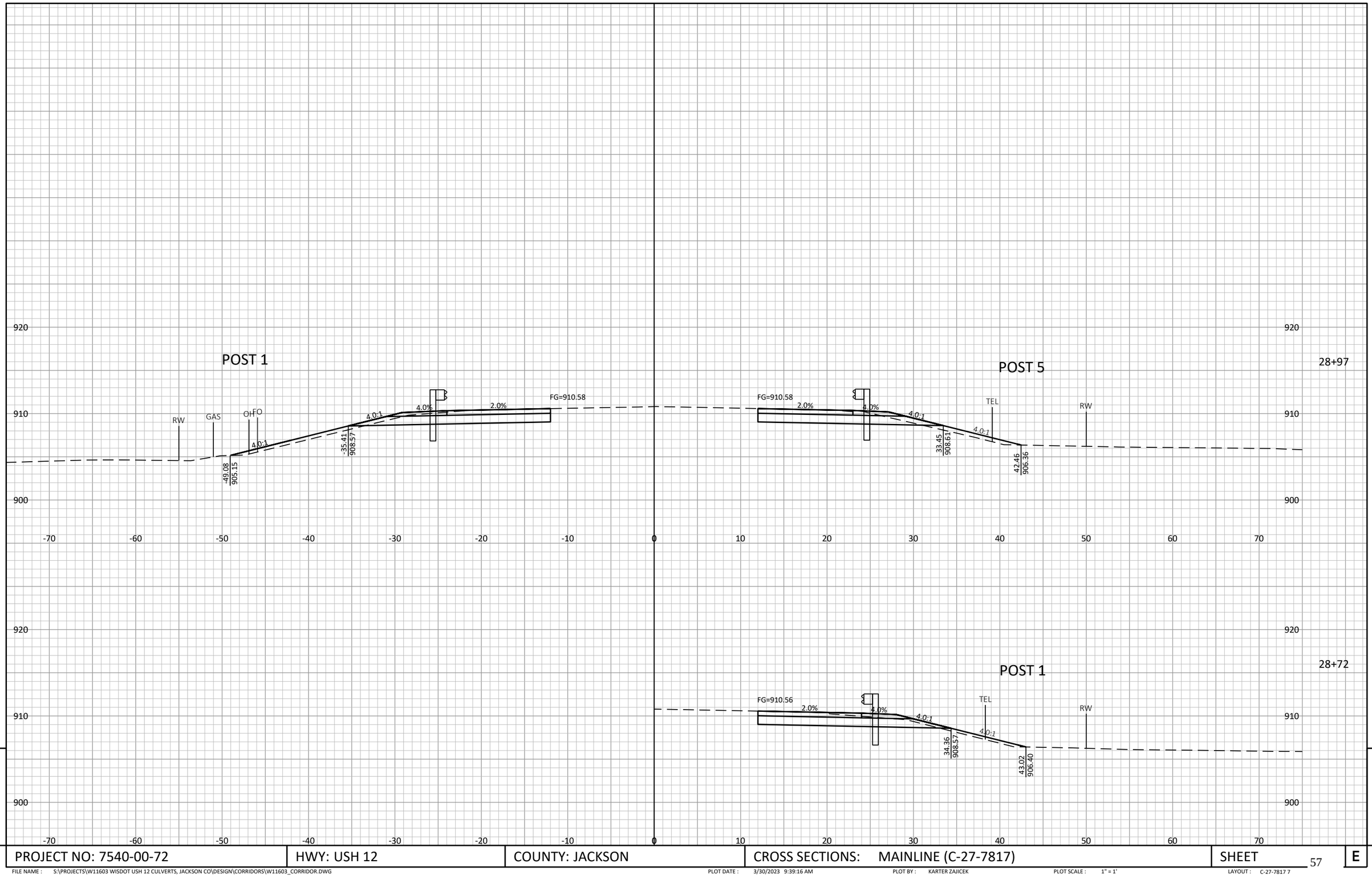


9

9

PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	CROSS SECTIONS: MAINLINE (C-27-7817)	SHEET	E

FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\DESIGN\CORRIDORS\W11603_CORRIDOR.DWG PLOT DATE : 3/30/2023 9:39:11 AM PLOT BY : KARTER ZAJICEK PLOT SCALE : 1" = 1' LAYOUT : C-27-7817 6



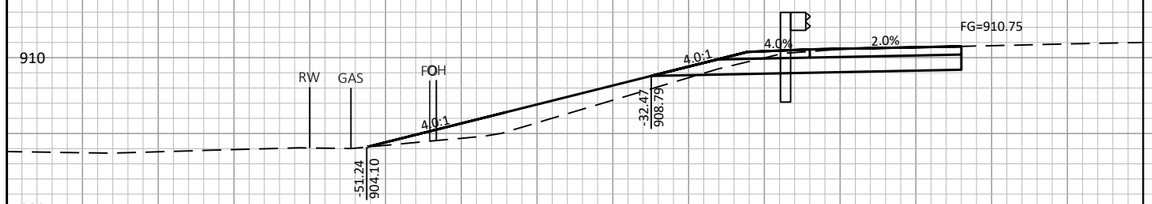
9

PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	CROSS SECTIONS: MAINLINE (C-27-7817)	SHEET	E

FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\DESIGN\CORRIDORS\W11603_CORRIDOR.DWG PLOT DATE : 3/30/2023 9:39:16 AM PLOT BY : KARTER ZAJICEK PLOT SCALE : 1" = 1' LAYOUT : C-27-7817 7

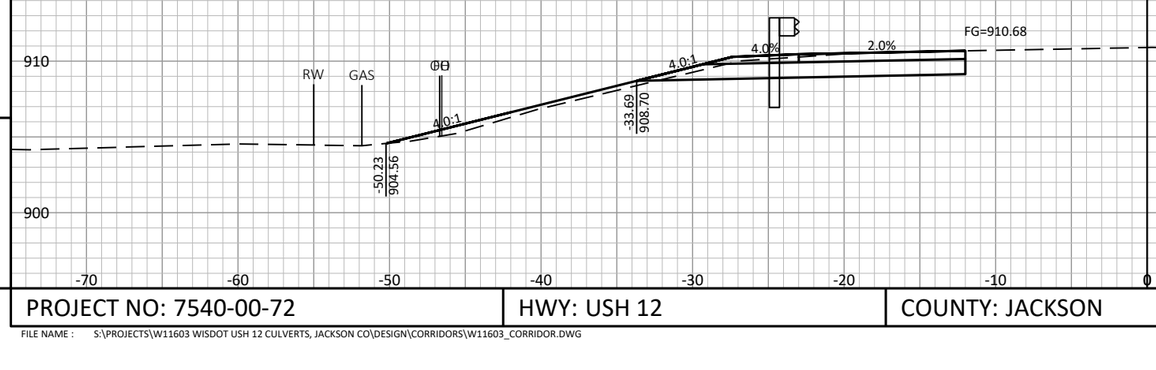
POST 9

29+47

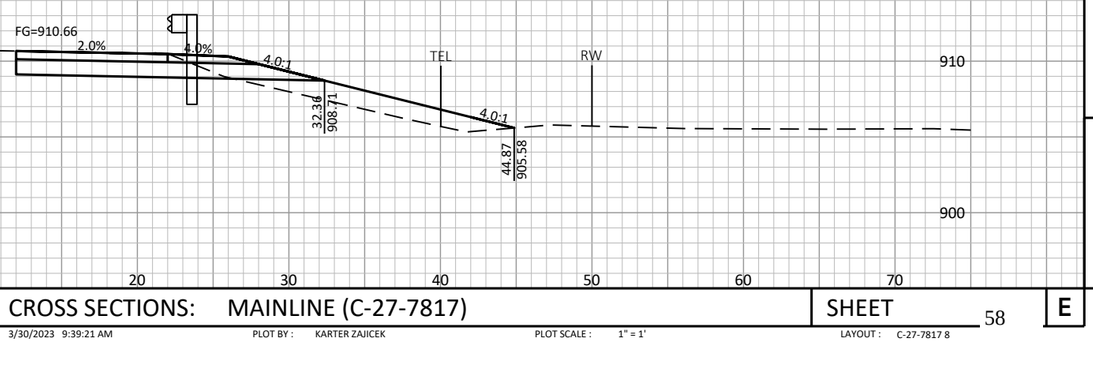


POST 5

29+22



POST 9

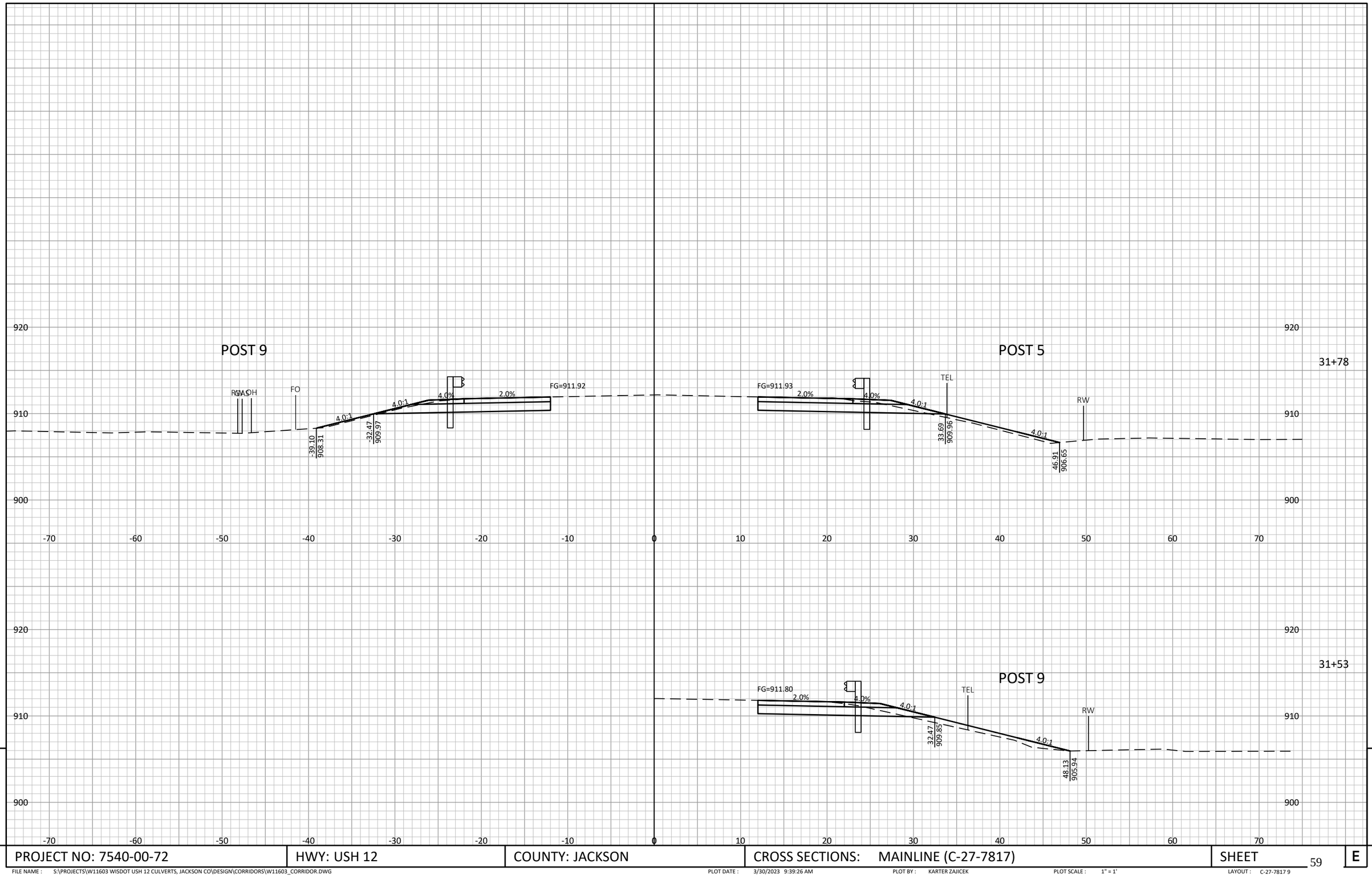


9

9

PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	CROSS SECTIONS: MAINLINE (C-27-7817)	SHEET	E

FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\DESIGN\CORRIDORS\W11603_CORRIDOR.DWG PLOT DATE : 3/30/2023 9:39:21 AM PLOT BY : KARTER ZAJICEK PLOT SCALE : 1" = 1' LAYOUT : C-27-7817 8

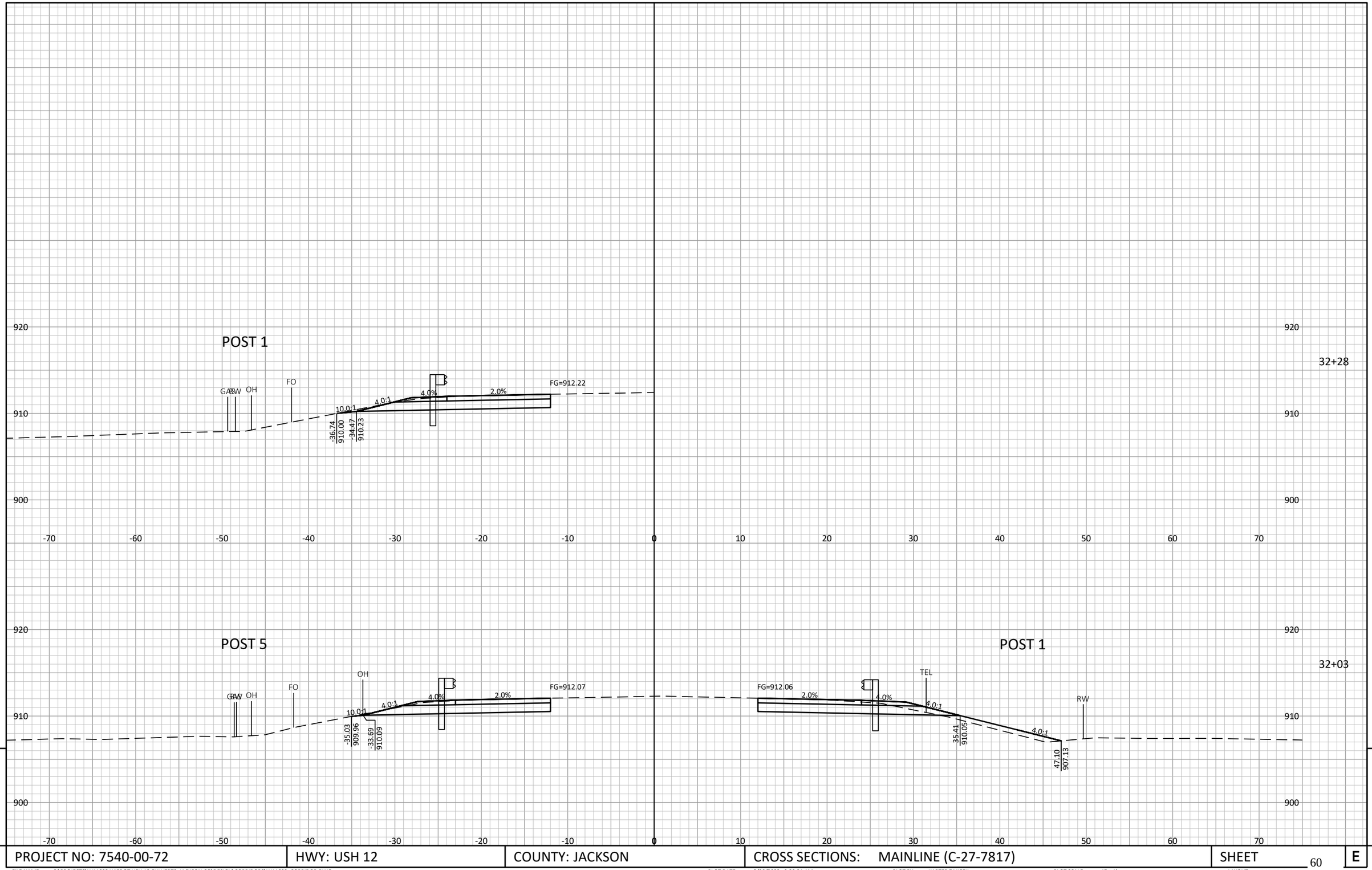


9

9

PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	CROSS SECTIONS: MAINLINE (C-27-7817)	SHEET	E

FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\DESIGN\CORRIDORS\W11603_CORRIDOR.DWG PLOT DATE : 3/30/2023 9:39:26 AM PLOT BY : KARTER ZAJICEK PLOT SCALE : 1" = 1' LAYOUT : C-27-7817 9

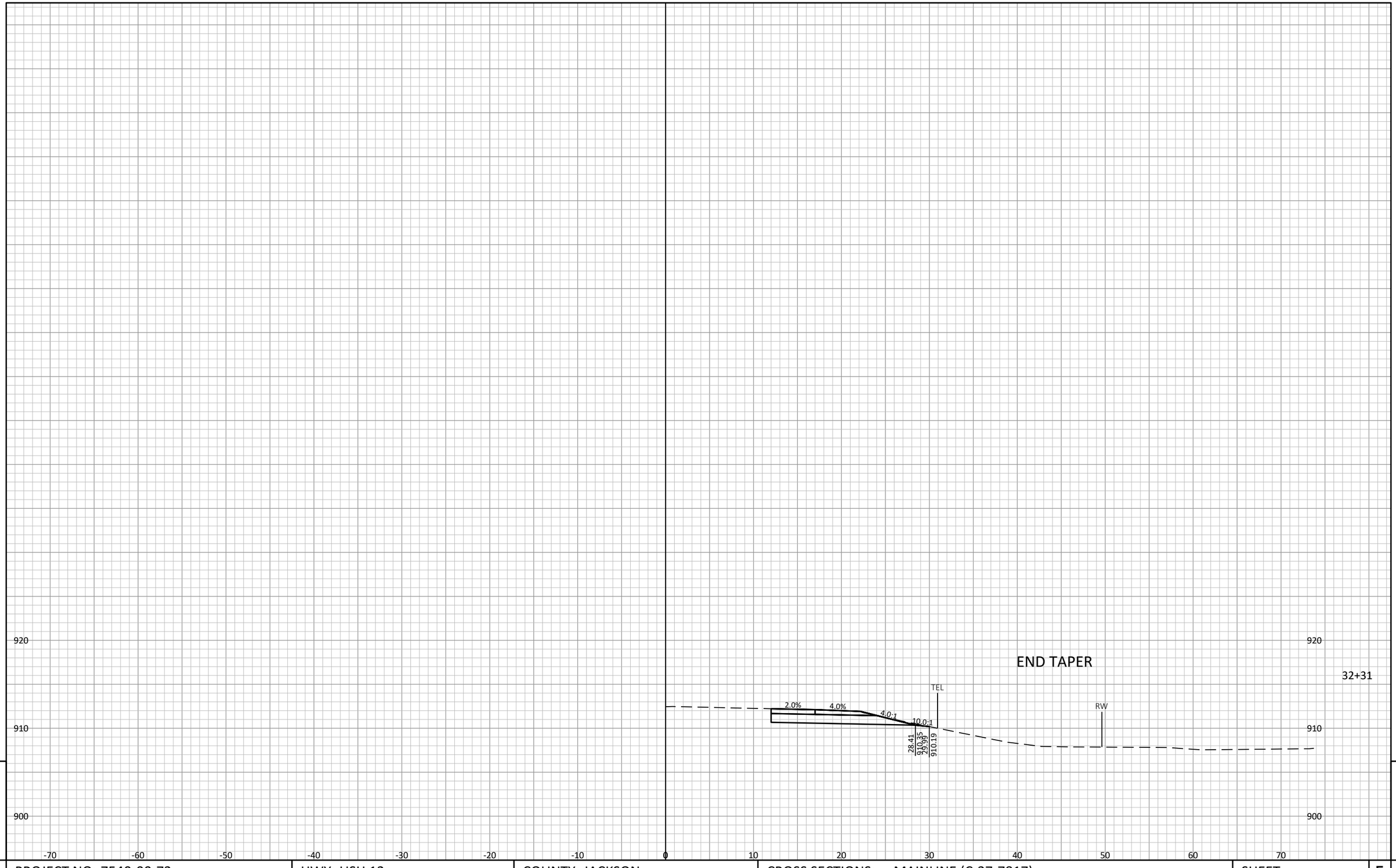


9

9

PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	CROSS SECTIONS: MAINLINE (C-27-7817)	SHEET 60	E

FILE NAME : S:\PROJECTS\W11603 WISDOT USH 12 CULVERTS, JACKSON CO\DESIGN\CORRIDORS\W11603_CORRIDOR.DWG PLOT DATE : 3/30/2023 9:39:31 AM PLOT BY : KARTER ZAJICEK PLOT SCALE : 1" = 1' LAYOUT : C-27-7817 10



9

9

PROJECT NO: 7540-00-72	HWY: USH 12	COUNTY: JACKSON	CROSS SECTIONS: MAINLINE (C-27-7817)	SHEET 61	E

Wisconsin Department of Transportation

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