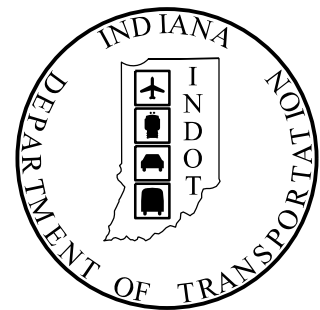


PROJECT	DESIGNATION
2100806	2100806
CONTRACT	CULVERT ASSET ID
R-43904	CV 039-046-169.10

KIN PROJECT INFORMATION	
DESIGNATION	PROJECT DESCRIPTION
2100806	SMALL STRUCTURE REPLACEMENT ON SR 39 OVER MARQUADT DITCH - LEAD DES. NO.
2101078	SMALL STRUCTURE REPLACEMENT ON SR 39 OVER UNT TO KINGSBURY CREEK

INDIANA DEPARTMENT OF TRANSPORTATION



ROAD PLANS

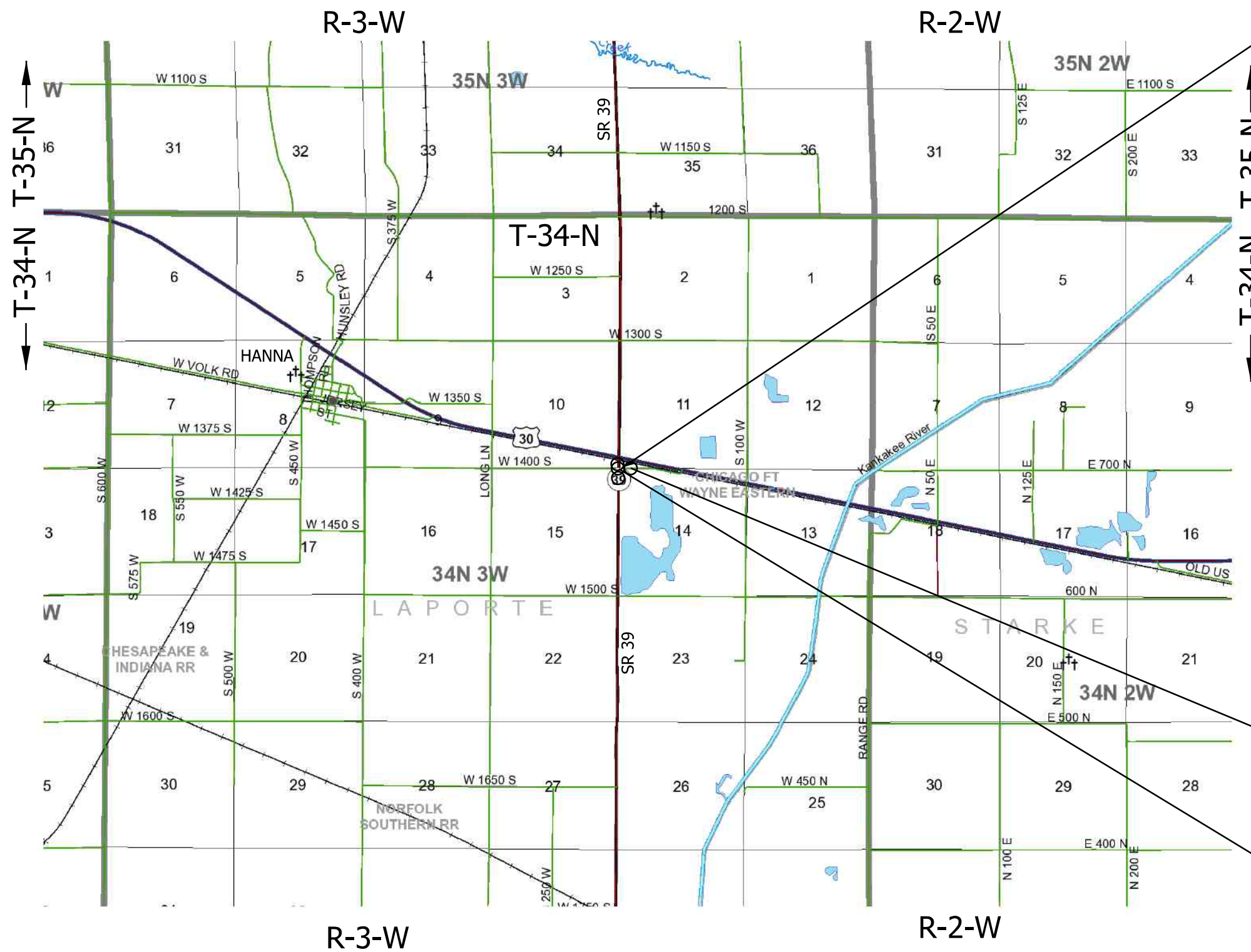
STAGE 2
AUGUST 2024

ROUTE: SR 39 AT: RP 169+10

PROJECT NO. 2100806 P.E.
2100806 R/W
2100806 CONST.

RIGHT-OF-WAY REQUIRED
FOR THIS PROJECT

Small Structure Replacement on SR 39 over Marquadt Ditch
Located 0.09 Miles South of US 30 Along SR 39 under County Road 1400 S
Sections 10, 11, 14 and 15, T-34-N, R-3-W, Hanna Township, LaPorte County, Indiana

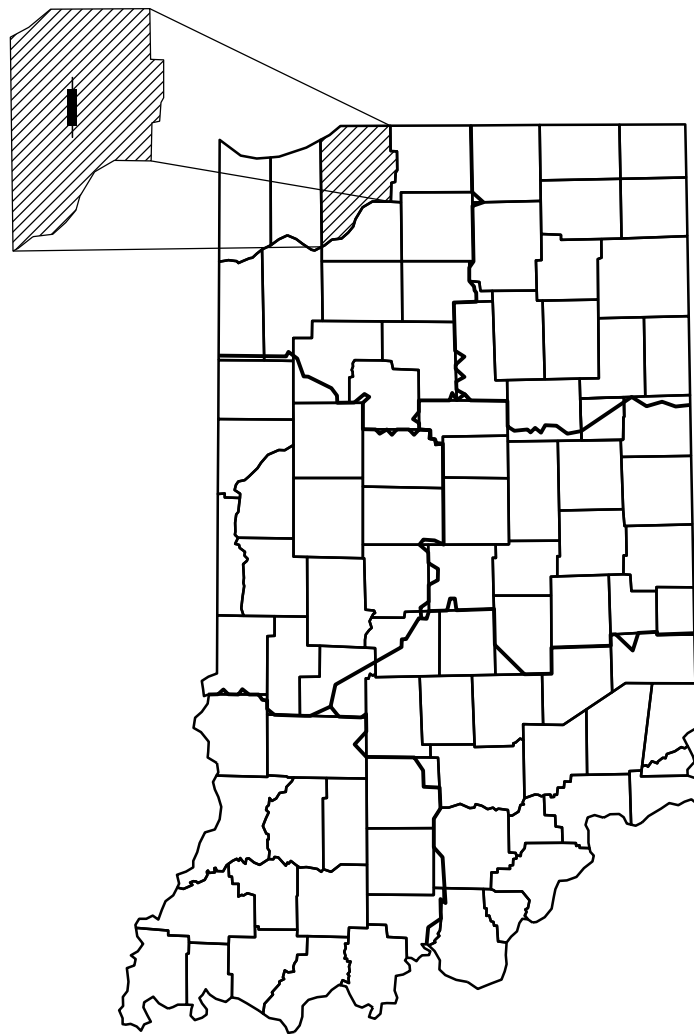


Structure Coated Reinforced
Concrete Box Sections
15' Span X 9' Rise over Marquadt Ditch
Skew 15°00'00" Rt
Ç Structure Sta. 49+55.00 Line "B"

SCALE: 1" = 5000'

End Project
Sta. 50+13.08 Line "B"

Begin Project
Sta. 49+06.39 Line "B"



PROJECT LOCATION SHOWN BY
LaPorte County

LATITUDE: 41°24'15" N LONGITUDE: 86°44'10" W

GROSS LENGTH: 0.020 MI.
NET LENGTH: 0.020 MI.
MAX. GRADE: 3.30 %

HUC 071200010408

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2024
TO BE USED WITH THESE PLANS.

X:\Projects\2021\2161\283970 INDOT 210112a OnCall\2100806 SR 39 Over Marquadt Ditch\01 ConstDocs\CAD\Sheet Files\2100806CV01.dgn

CERTIFIED BY: _____
REGISTERED PROFESSIONAL ENGINEER
STATE OF INDIANA NO. 910382
COVERING OVERALL DESIGN

NOT FOR
CONSTRUCTION
DLZ INDIANA, LLC



PLANS PREPARED BY:
DLZ INDIANA, LLC
2211 East Jefferson Boulevard
South Bend, Indiana 46615
(574) 236-4400

APPROVED
FOR LETTING: _____
INDIANA DEPARTMENT OF TRANSPORTATION

CULVERT ASSET ID		
CV 039-046-169.10		
DESIGNATION		
2100806		
SHEETS		
1	of	20
CONTRACT		PROJECT
R-43904		2100806

UTILITIES

<u>ELECTRIC</u> Kankakee Valley REMC 8642 W US 30 P.O. Box 157 Wanatah, IN 46390 Bri Travis (800) 552-2622 btravis@kvremc.com	<u>TELEPHONE</u> Frontier 1503 Magnavox Way Fort, Suite 100 Fort Wayne, IN 46804 Brandon Tucker (260) 450-7779 utilitycordreq@ftr.com
--	--

<u>ELECTRIC</u> NIPSCO Electric 801 E 86th Ave Merrillville, IN 46410 Dean Garrett (219) 647-6260 utilitycoordination@nisource.com	 Know what's below. Call before you dig. INDIANA UNDERGROUND 1-800-382-5544 OR CALL 811 24 HOURS A DAY 7 DAYS A WEEK
---	--

REQUIRED GENERAL NOTES

CONTRACTOR SHALL SAW CUT ALL PAVEMENT, AS SHOWN. CONTRACTOR SHALL PROVIDE ADEQUATE COMPACTED MATERIAL AT SAW CUT EDGE TO SHORE UP AND PREVENT THE DEGRADATION OF THE EXISTING PAVEMENT TO REMAIN. DAMAGE TO EXISTING PAVEMENT WILL BE REPAIRED AT CONTRACTOR'S EXPENSE.

UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE IN LOCATION AND ARE FOR INFORMATIONAL PURPOSES ONLY AND MAY NOT BE ALL INCLUSIVE. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE RESIDENT PROJECT REPRESENTATIVE SHOULD A CONFLICT EXIST.

WHEN EXCAVATING NEAR UTILITIES, CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPORTING, BRACING OR SHORING AS REQUIRED TO PREVENT DAMAGE TO THE UTILITIES.

EROSION CONTROL PROVISIONS SHALL BE IN PLACE PRIOR TO ALL OPERATIONS. THE CONTRACTOR SHALL FOLLOW THE MUNICIPALITY'S REQUIREMENTS FOR THE PROJECT AND PRACTICES OUTLINED IN THE "INDIANA HANDBOOK FOR EROSION CONTROL IN DEVELOPING AREAS" REQUIRED FOR THE PREVENTION OF SOIL EROSION AND SEDIMENTATION WITHIN AND DOWNSTREAM OF THE CONSTRUCTION SITE. SAID PRACTICES AND REQUIREMENTS SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT.

CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID FOR WORK. BY SUBMITTING A BID, THE CONTRACTOR INDICATES THAT HE HAS VISITED THE SITE AND IS AWARE OF ALL EXISTING CONDITIONS.

NO OPEN TRENCHES WILL BE ALLOWED IN THE EVENING AFTER DAILY CONSTRUCTION OPERATIONS HAVE FINISHED, EXCEPT IN THE AREA OF THE TRENCHING BOX. CONTRACTOR TO PROVIDE CONSTRUCTION FENCING AROUND TRENCHING BOX AREA FOR PUBLIC SAFETY.

THE WORK SHALL BE ARRANGED SO AS TO CAUSE AS LITTLE DISTURBANCE TO THE NORMAL TRAFFIC FLOW AS POSSIBLE. CONTRACTOR SHALL NOTIFY ALL RESIDENCES, BUSINESS FIRMS, ETC. ON THE DAY PRIOR TO CLOSING THE VEHICULAR ENTRANCES TO SUCH HOMES, BUSINESS FIRMS, ETC. AND SHALL. MAINTAIN ACCESS FOR LOCAL TRAFFIC.

FLOWABLE FILL SHALL BE USED FOR BACKFILL OF EXCAVATIONS BENEATH EXISTING UTILITIES. FILL SHALL BE IN ACCORDANCE WITH INDOT SPECIFICATIONS.

ACCESS TO ALL RESIDENCES AND COMMERCIAL FACILITIES SHALL BE MAINTAINED AT ALL TIMES.

ALL RABII DIMENSIONS ARE FROM FACE OF CURB UNLESS OTHERWISE NOTED.

ALL EARTH SHOULDERS, MEDIAN AREAS, AND CUT AND FILL SLOPES SHALL BE PLAIN OR MULCHED SEEDED EXCEPT WHERE SODDING IS SPECIFIED.

INDEX	
SHEET NO.	SUBJECT
1	TITLE
2	INDEX
3	TYPICAL SECTIONS
4	PLAT NO. 1
5-6	MAINTENANCE OF TRAFFIC
7-9	PLAN AND PROFILE
10	GENERAL PLAN
11-12	GRADING PLAN
13	MISCELLANEOUS TABLES
14-20	CROSS SECTIONS

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NOT FOR
CONSTRUCTION

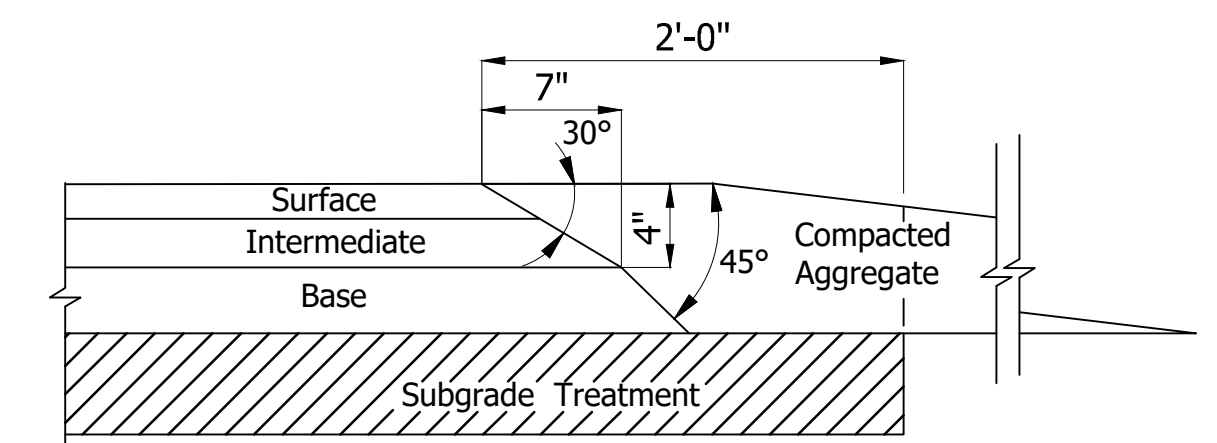
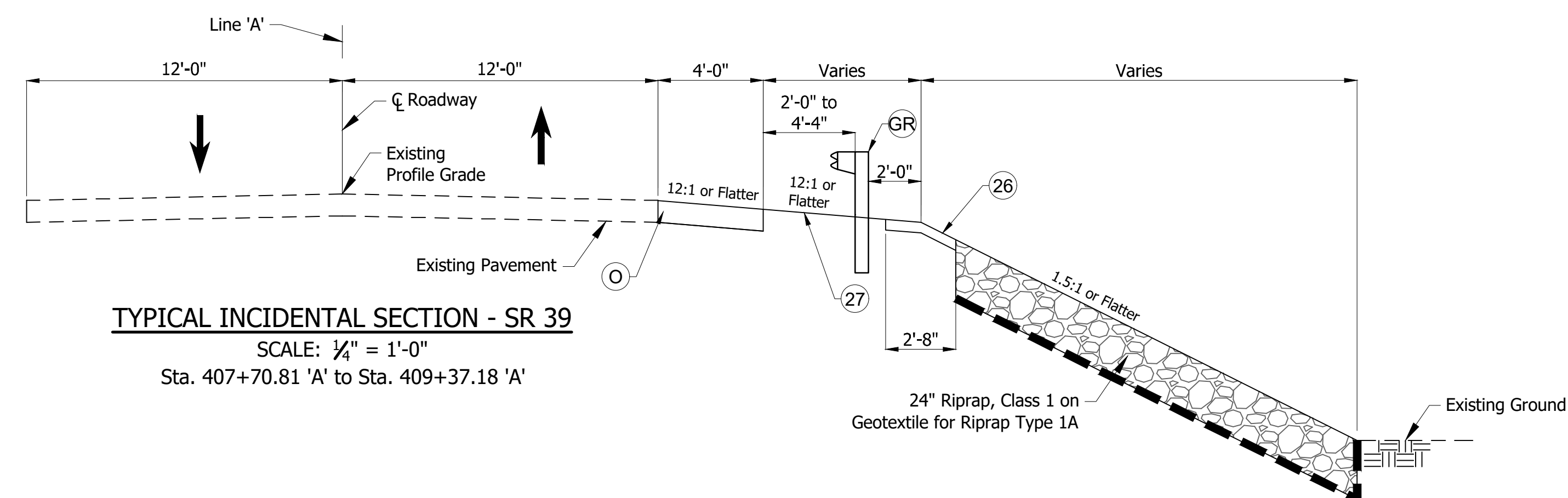
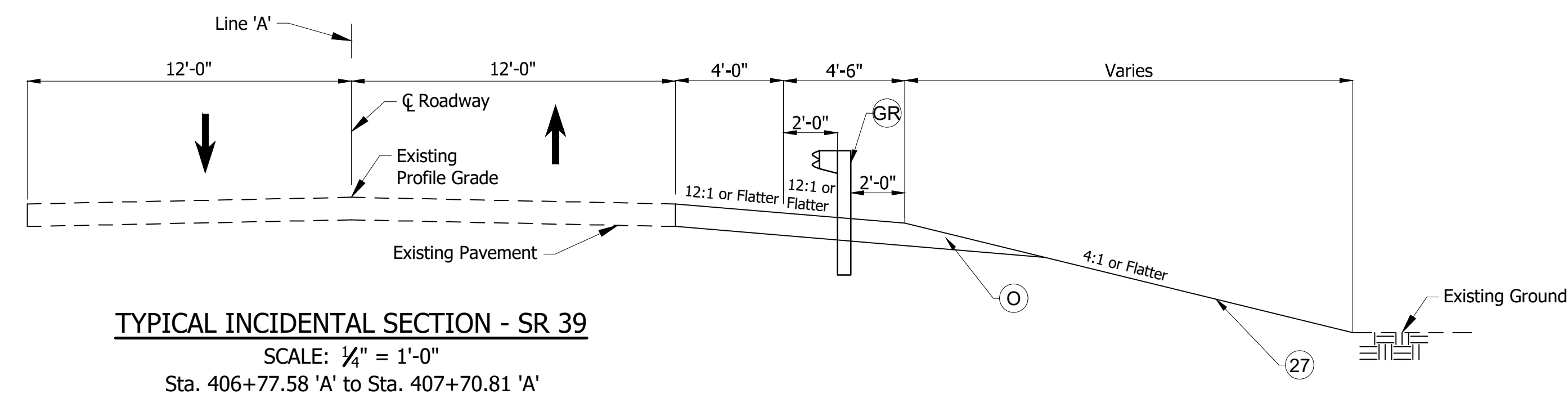
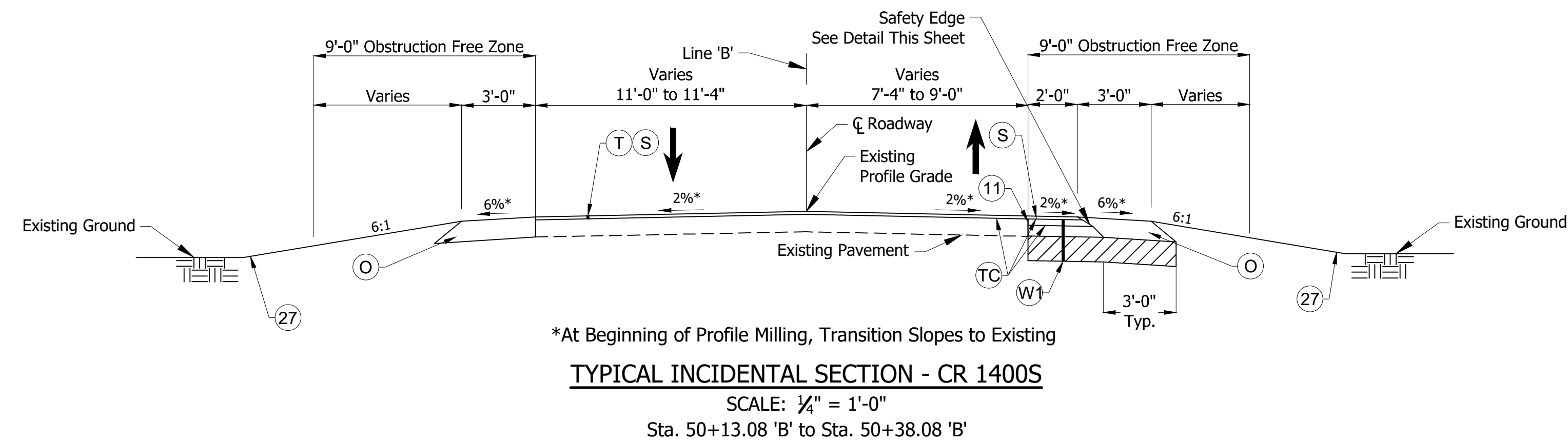
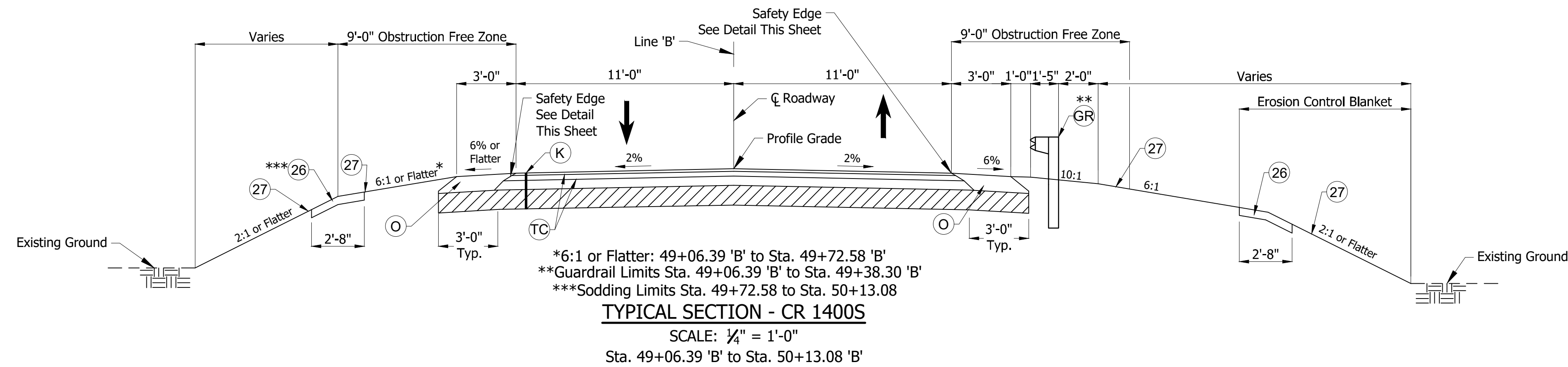
DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED: AMM 7/2024		DRAWN: AMM 7/2024			
CHECKED: TMN 7/2024		CHECKED: TMN 7/2024			

INDIANA
DEPARTMENT OF TRANSPORTATION

INDEX

SCALE	BRIDGE NUMBER		
NONE	CV 039-046-169.10		
	DESIGNATION		
	2100806		
	SHEETS		
	2	of	20
CONTRACT	PROJECT		
R-43904	2100806		



- Notes:

1. All pavements shall have a safety edge installed at the edge of the pavement or shoulder.
2. For each lane of traffic, the intermediate layer should be placed simultaneously for mainline and adjacent shoulder.
3. For each lane of traffic, the surface layer should be placed simultaneously for mainline and adjacent shoulder.

LEGEND:

- (GR) Guardrail (For Type, See Profile, Sheet 7)
- (K) 165 #/SYD QC/QA-HMA, 4, 58S, Surface, 9.5 mm on
275 #/SYD QC/QA-HMA, 4, 58S, Intermediate, 19.0 mm on
660 #/SYD QC/QA-HMA, 4, 58S, Base, 25 mm on
Subgrade Treatment Type IC on
Geotextile for Pavement, Type 2B
- (O) Variable Depth Compacted Aggregate, No. 53
- (S) 165 #/SYD QC/QA-HMA, 4, 58S, Surface, 9.5 mm
- (T) Profile Milling
- (TC) Asphalt for Tack Coat
- (W1) HMA for Widening, Type D Consisting of:
275 #/SYD QC/QA-HMA, 4, 58S, Intermediate, 19.0 mm on
660 #/SYD QC/QA-HMA, 4, 58S, Base, 25 mm on
Subgrade Treatment Type IC on
Geotextile for Pavement, Type 2B
- (11) Sawcut
- (26) Sodding
- (27) Mulched Seeding, R



NOT FOR
CONSTRUCTION

DLZ INDIANA, LLC

DLZ INDIANA, LLC

RECOMMENDED
FOR APPROVAL

DESIGN ENGINEER _____ DATE _____

DESIGNED: AMM 7/2024

DRAWN: PEB 7/2024

CHECKED: TMN 7/2024

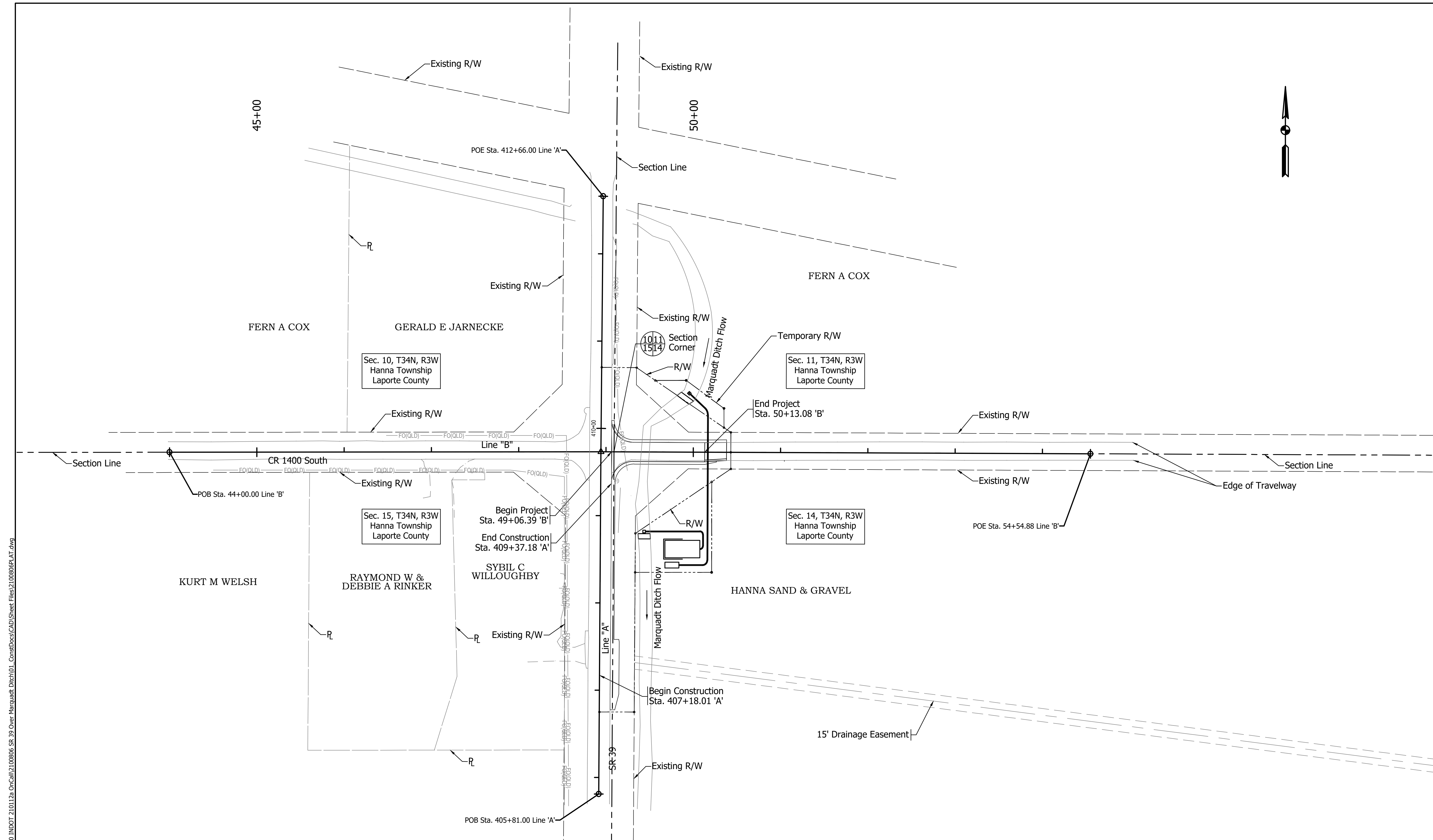
CHECKED: TMN 7/2024

INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

HORIZONTAL SCALE		CULVERT ASSET ID	
1/4" = 1'		CV 039-046-169.10	
VERTICAL SCALE		DESIGNATION	
N/A		2100806	
SHEETS			
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CONTRACT		PROJECT	
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11/29/2023
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CONSTRUCTION
DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED: <u>AMM</u>		DRAWN: <u>PEB</u>		7/2024	
CHECKED: <u>TMN</u>		CHECKED: <u>TMN</u>		7/2024	

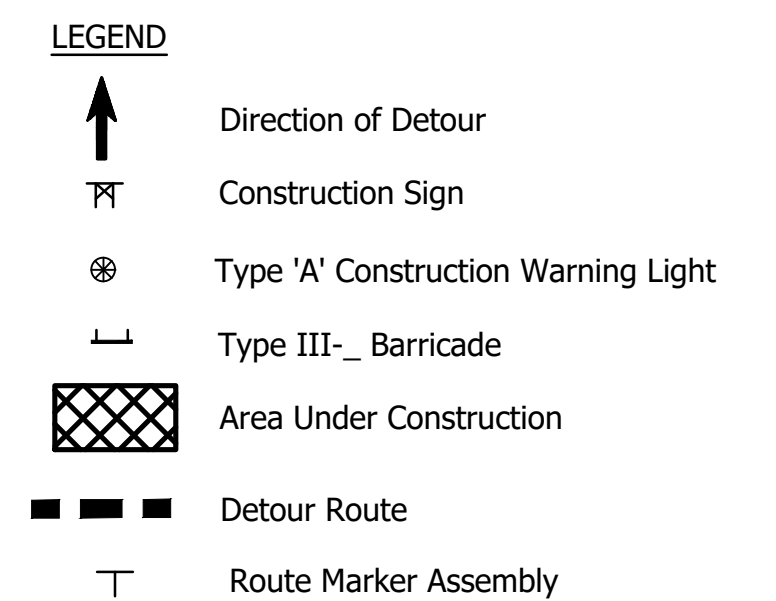
INDIANA DEPARTMENT OF TRANSPORTATION	
PLAT NO. 1	

HORIZONTAL SCALE	CULVERT ASSET ID		
1" = 50'	CV 039-046-169.10		
VERTICAL SCALE	DESIGNATION		
	2108006		
	SHEETS		
	4	of	20
CONTRACT	PROJECT		
R-43904	2108006		



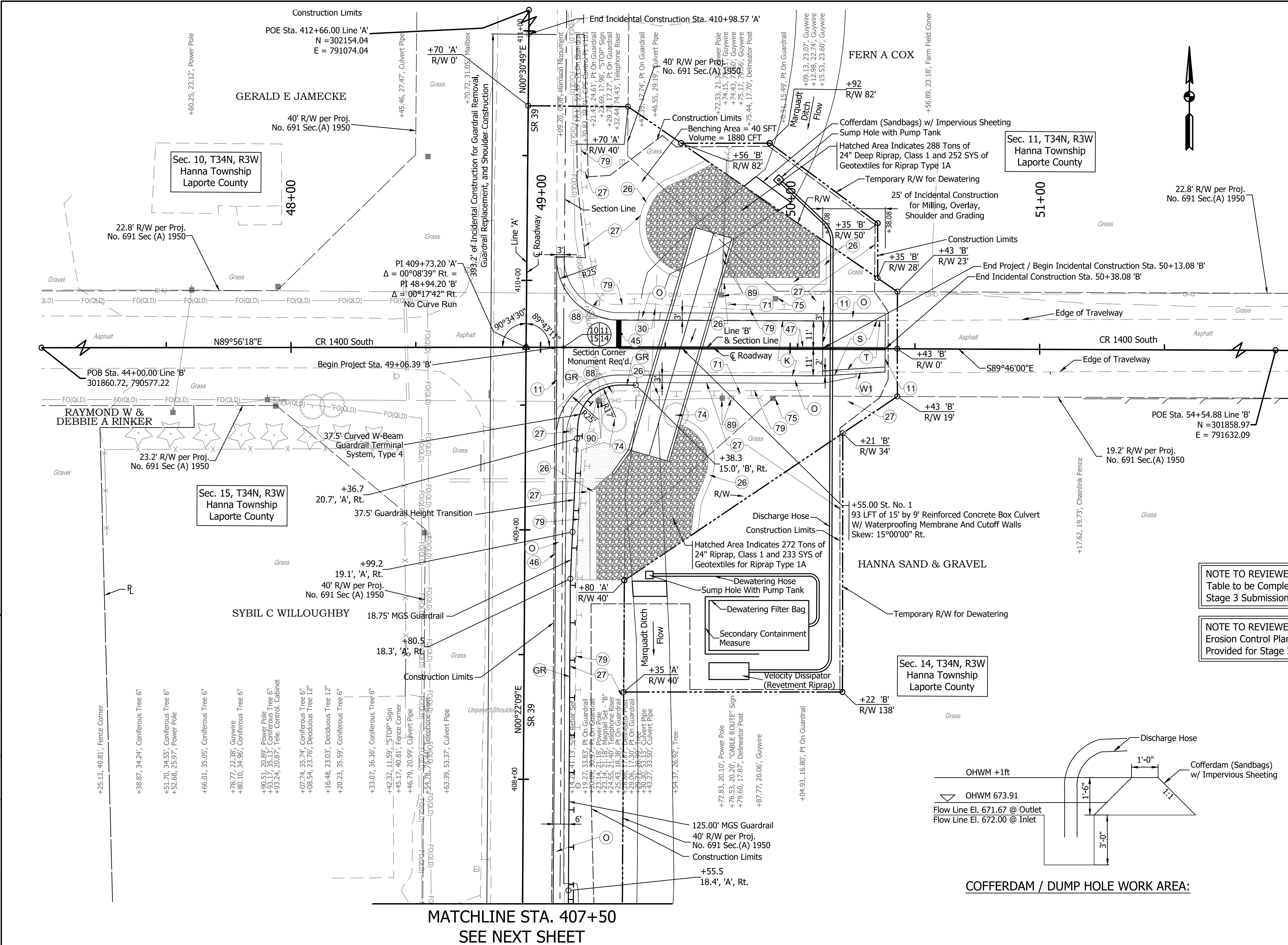
GENERAL

1. Longitudinal field dimensions may be adjusted to fit field conditions.
2. Contractor shall maintain access to any commercial or residential property within the work zone or provide additional detour routes if use of the plan detour is not feasible.
3. See sheet 5 for additional CR 1400 S detour information.



RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE		CULVERT ASSET ID	
			N/A		CV 039-046-169.10	
			VERTICAL SCALE		DESIGNATION	
			N/A		2100806	
DESIGNED: <u>AMM</u> <u>7/2024</u>	DRAWN: <u>PEB</u> <u>7/2024</u>	MAINTENANCE OF TRAFFIC NB SR 39 DETOUR ROUTE		SHEETS		
				6 of 20		
CHECKED: <u>TMN</u> <u>7/2024</u>	CHECKED: <u>TMN</u> <u>7/2024</u>			CONTRACT		
			R-43904		2108006	

11/29/2023
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EARTHWORK SUMMARY TABLE	
COMMON EXCAVATION	
Line 'A'	112 CYS
Line 'B' Ditch Grading	70 CYS
TOTAL COMMON EXCAVATION	192 CYS
Unusable Excavation	41 CYS
Total Usable Excavation	151 CYS
FILL	
Line 'A'	301 CYS
Line 'B' Ditch Grading	119 CYS
Sub-Total Fill	420 CYS
Swell (25%)	105 CYS
Total Fill	525 CYS
Less Usable Excavation	151 CYS
TOTAL BORROW	374 CYS
Benching Cut	303 CYS
Benching Fill	303 CYS

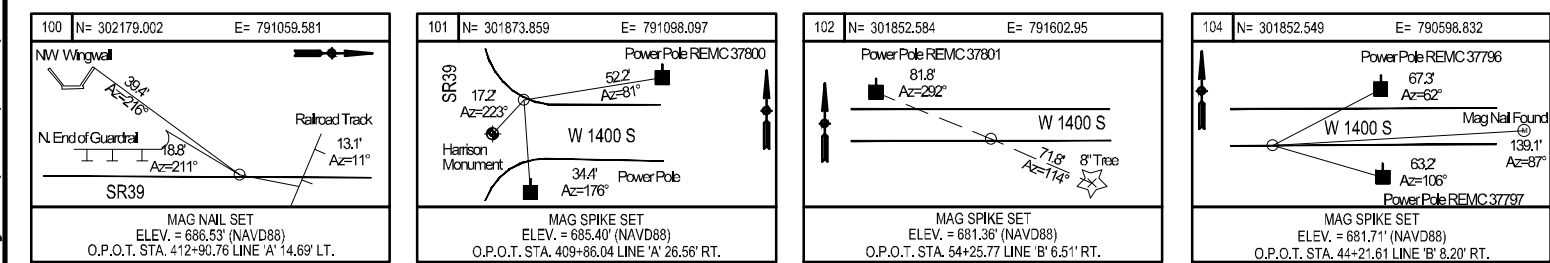
- GENERAL NOTES:**
- Present Structure at Proposed Site to be Removed.
 - Allowable Factored Soil Bearing Resistance for Footing is ____ psf.
 - For Additional Scour Protection Details, see INDOT Standard Drawing E 715-PCSP-01.
 - Contractor Shall Verify the Existing Flow Line Elevation to Set Appropriate Sump Depth.
 - Sodding to be Added in Place of Mulched Seeding R at Slope Breaks as Described in the Typical Sections
 - For Guardrail Working Width Details, see INDOT Standard Drawing E 601-MGSA-23

- LEGEND:**
- (GR) Guardrail (For Type, See Profile, Sheet 7)
 - (K) 165 #/SYD QC/QA-HMA, 4, 58S, Surface, 9.5 mm on 275 #/SYD QC/QA-HMA, 4, 58S, Intermediate, 19.0 mm on 660 #/SYD QC/QA-HMA, 4, 58S, Base, 25 mm on Subgrade Treatment Type IC on Geotextile for Pavement, Type 2B
 - (O) Variable Depth Compacted Aggregate, No. 53
 - (P) Protect
 - (S) 165 #/SYD QC/QA-HMA, 4, 58S, Surface, 9.5 mm
 - (T) Profile Milling
 - (W) HMA for Widening, Type D Consisting of: 275 #/SYD QC/QA-HMA, 4, 58S, Intermediate, 19.0 mm on 660 #/SYD QC/QA-HMA, 4, 58S, Base, 25 mm on Subgrade Treatment Type IC on Geotextile for Pavement, Type 2B

- (11) Sawcut
- (26) Sodding
- (27) Mulched Seeding, R
- (30) Pipe, Remove
- (45) Transverse Marking, Thermoplastic, Stop Bar, White, 24 Inch
- (46) Line, Thermoplastic, Solid, White, 6 Inch
- (47) Line, Thermoplastic, Solid, Yellow, 6 Inch
- (48) Raised Pavement Marker, Thermoplastic, Yellow
- (71) Sign, Remove
- (74) Tree, Remove
- (75) R/W Monument, Remove
- (79) Guardrail, Remove
- (88) Sign, Ground Mounted, Reset
- (89) Relocate - By Others
- (90) Relocate - By Others At Min. Working Width of 5'

Mulched Seeding, R With Erosion Control Blanket

- Notes:**
- All R/W and existing topography described from Line 'B' unless otherwise noted. Line 'B' and 'A' to be constructed.
 - Contractor shall verify the existing flowline elevation to set the appropriate sump depth.



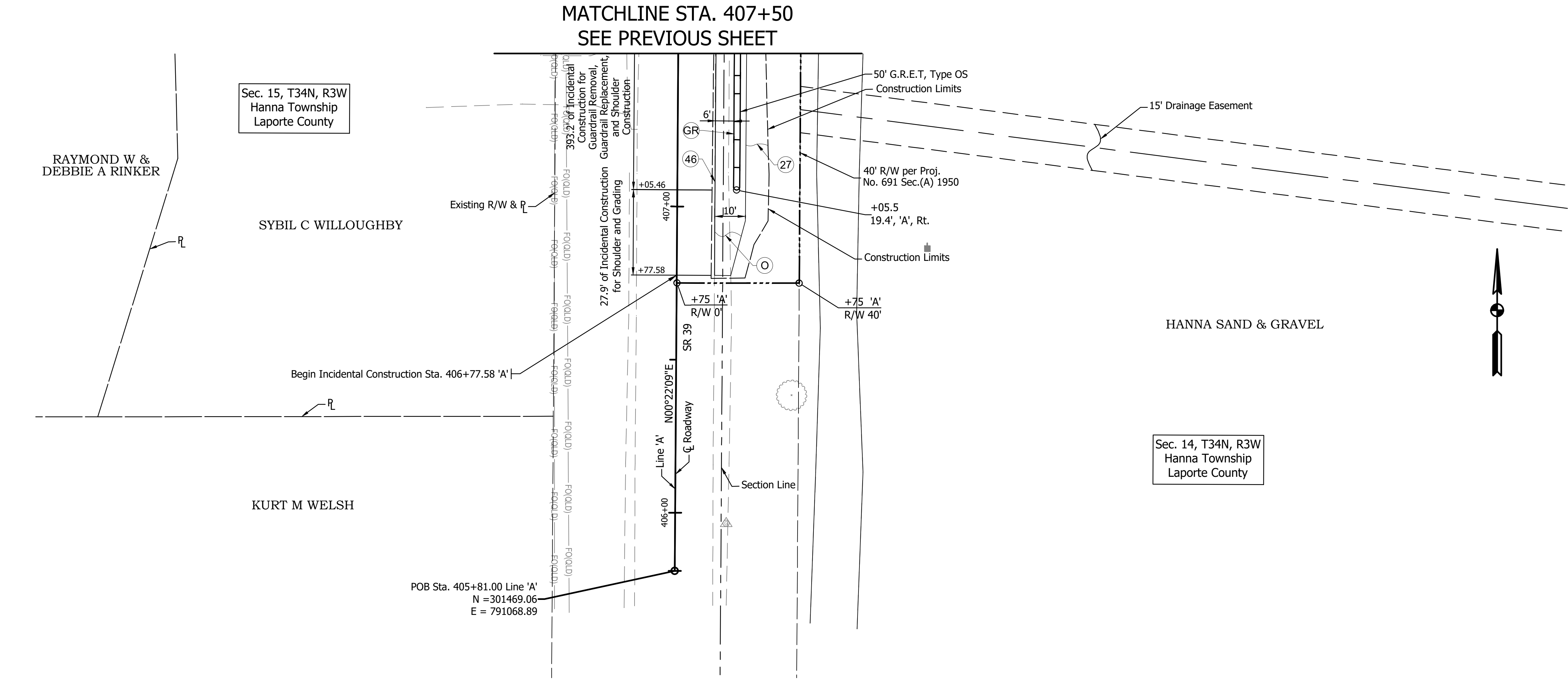
NOT FOR CONSTRUCTION
DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____		DATE _____	
DESIGNED: <u>AMM</u> <u>7/2024</u>		DRAWN: <u>PEB</u> <u>7/2024</u>			
CHECKED: <u>TMN</u> <u>7/2024</u>		CHECKED: <u>TMN</u> <u>7/2024</u>			

INDIANA DEPARTMENT OF TRANSPORTATION	
PLAN 'B'	

HORIZONTAL SCALE	CULVERT ASSET ID
1" = 20'	CV 039-046-169.10
VERTICAL SCALE	DESIGNATION
N/A	210806
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CONTRACT	PROJECT
R-43904	210806

11/29/2023
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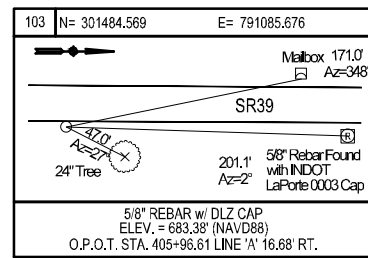


LEGEND:

- GR Guardrail (For Type, See Profile, Sheet 7)
- O Variable Depth Compacted Aggregate, No. 53
- 27 Mulched Seeding, R
- 46 Line, Thermoplastic, Solid, White, 6 Inch

Notes:

- All R/W and existing topography described from Line 'B' unless otherwise noted. Line 'B' and 'A' to be constructed.



**NOT FOR
CONSTRUCTION**
DLZ INDIANA, LLC

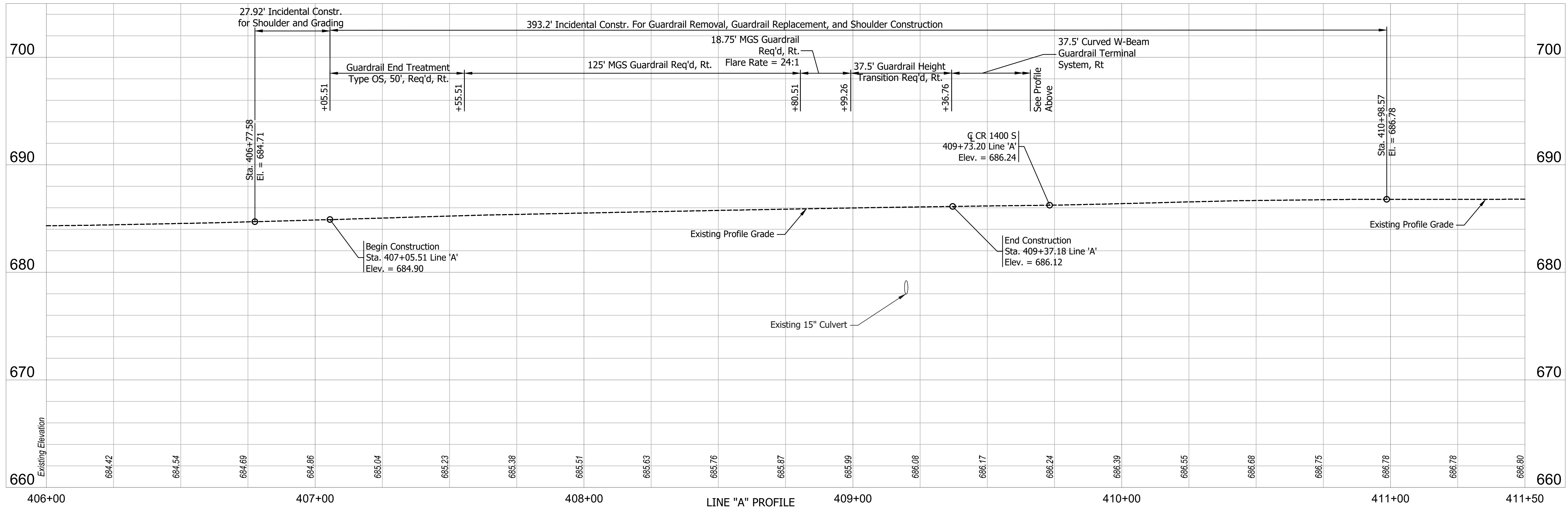
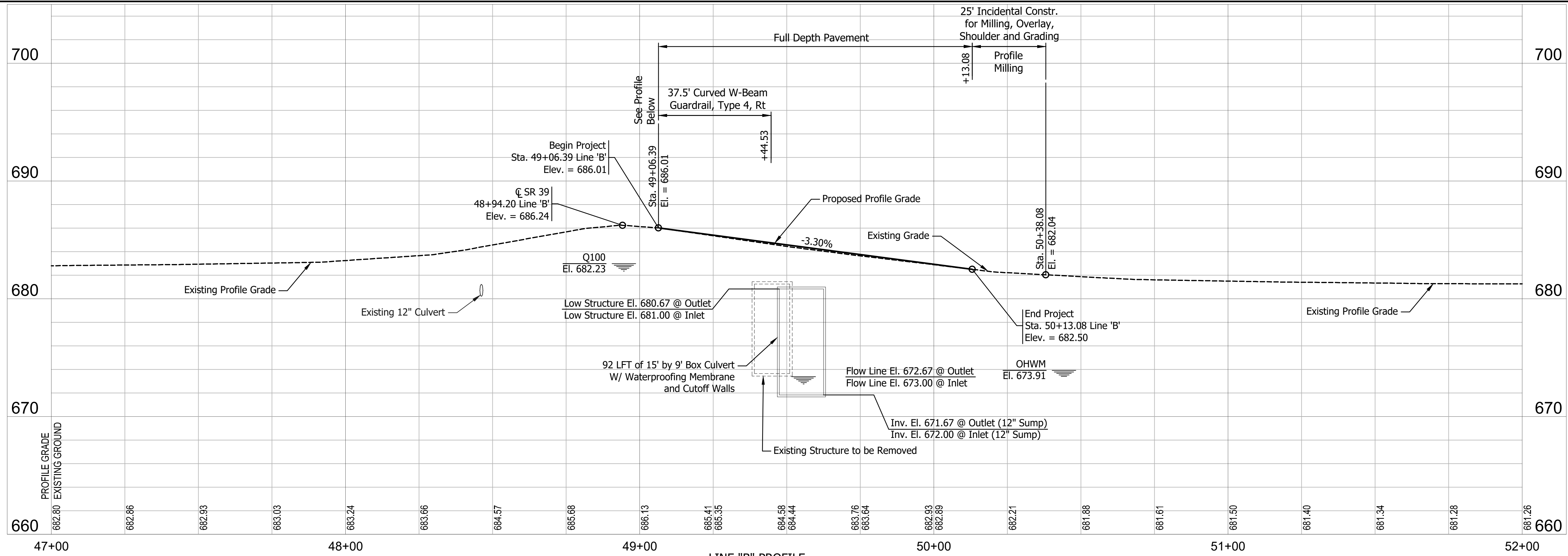
RECOMMENDED FOR APPROVAL	
DESIGNED: <u>AMM</u> <u>7/2024</u>	DRAWN: <u>PEB</u> <u>7/2024</u>
CHECKED: <u>TMN</u> <u>7/2024</u>	CHECKED: <u>TMN</u> <u>7/2024</u>

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN
LINE 'A'

HORIZONTAL SCALE		CULVERT ASSET ID	
1" = 20'		CV 039-046-169.10	
VERTICAL SCALE		DESIGNATION	
N/A		2100806	
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CONTRACT		PROJECT	
R-43904		2108006	

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TBM 'A' ELEV = 682.23' (NAVD88)
MAG SPIKE SET IN THE SOUTH SIDE OF POWER POLE REMC 37801 LOCATED ON THE NORTH SIDE OF W 1400 S, APPROXIMATELY 440' EAST OF THE INTERSECTION OF SR 39 AND W 1400 S.
TBM 'B' ELEV = 686.71' (NAVD88)
MAG SPIKE SET IN THE WEST SIDE OF A POWER POLE LOCATED AT THE SOUTHEAST CORNER OF THE INTERSECTION BETWEEN SR 39 AND W 1400 S.
TBM 'C' ELEV = 682.26' (NAVD88)
MAG SPIKE SET IN THE SOUTH SIDE OF POWER POLE REMC 37796 LOCATED ON THE NORTH SIDE OF W 1400 S, APPROXIMATELY 380' WEST OF THE INTERSECTION OF SR 39 AND W 1400 S.



NOT FOR
CONSTRUCTION

DLZ INDIANA, LLC

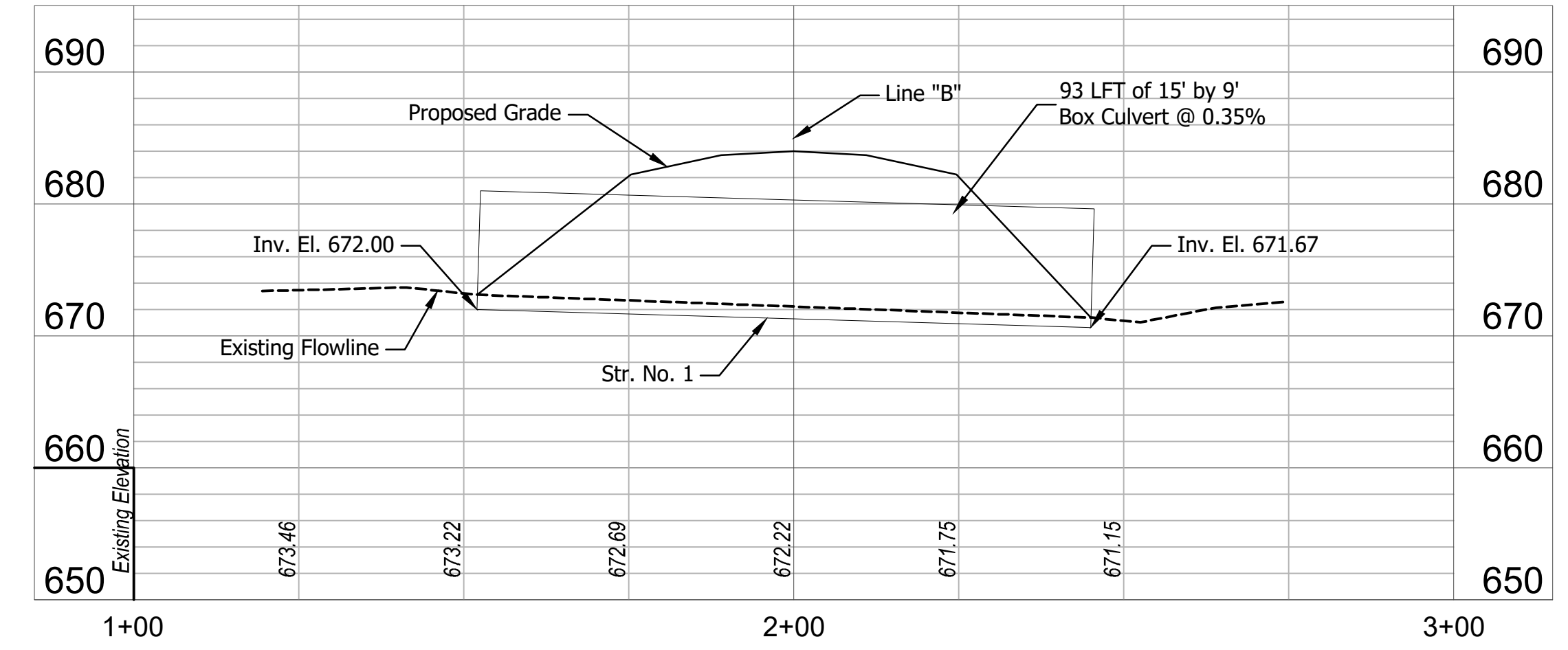
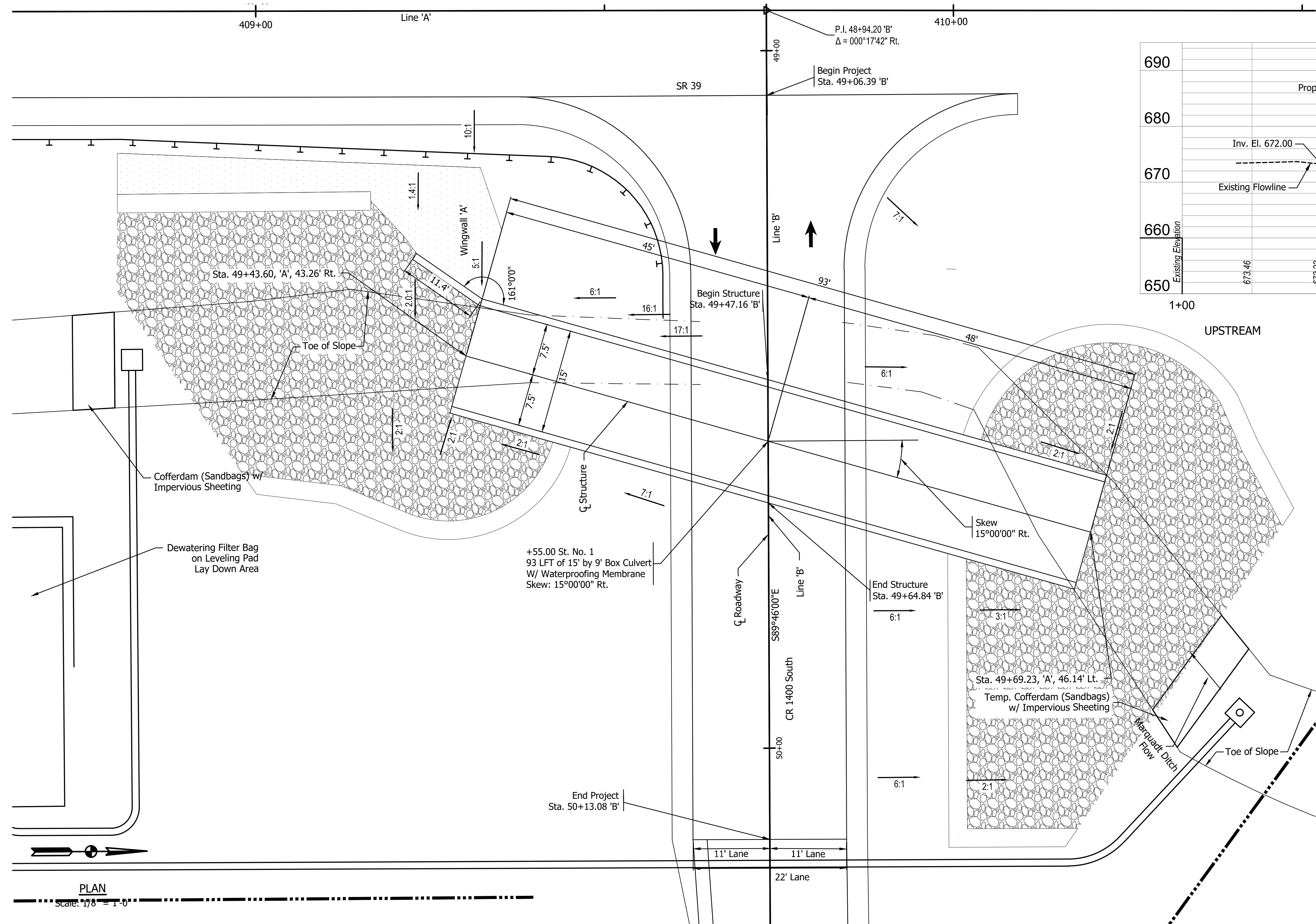
RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED: AMM		DRAWN: PEB		7/2024	
CHECKED: TMN		CHECKED: TMN		7/2024	

INDIANA
DEPARTMENT OF TRANSPORTATION

PROFILE
LINE 'B' & 'A'

HORIZONTAL SCALE		CULVERT ASSET ID	
1" = 20'		CV 039-046-169.10	
VERTICAL SCALE		DESIGNATION	
1" = 4'		2100806	
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CONTRACT		PROJECT	
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STREAM PROFILE OF MARQUADT DITCH
Horizontal Scale 1" = 20'
Vertical Scale 1" = 2'

HYDRAULIC DATA:

Drainage Area	=	3.54 sq. mi
Design Discharge Q100	=	1429.5 cfs
Velocity @ Q25	=	6.61 ft/s
Q100 Elevation	=	682.23 ft.
Backwater @ Q100	=	0 ft.
Waterway Opening Provided Below Q100 el.	=	120 sq. ft.
Proposed Low Structure	=	680.67 ft.
Skew	=	15°00'00" Rt.
Existing Waterway Opening Provided Below Q100 El.	=	109.44 sq. ft.
Existing Low Structure	=	680.27 ft.
Existing Backwater	=	0 ft.

REINFORCED CONCRETE BOX SECTION
SPAN: 15'-0", RISE: 9'-0", LENGTH: 93'-0"
SKEW: 15°00'00" RT.
26'-0" CLEAR ROADWAY
SR 39 OVER MARQUADT DITCH
LAPORTE COUNTY

NOTE TO REVIEWER:
End Elevation View of Wingwall 'A', Wingwall Dimension Table,
And Soil Parameter Table Will Be Provided For Next Submittal



NOT FOR
CONSTRUCTION
DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL				DESIGN ENGINEER		DATE	
DESIGNED: AMM		7/2024		DRAWN: PEB		7/2024	
CHECKED: TMN		7/2024		CHECKED: TMN		7/2024	

INDIANA DEPARTMENT OF TRANSPORTATION
GENERAL PLAN

HORIZONTAL SCALE	CULVERT ASSET ID
AS NOTED	CV 039-046-169.10
VERTICAL SCALE	DESIGNATION
AS NOTED	2100806
SHEETS	
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CONTRACT	PROJECT
R-43904	2108006

11/29/2023
X:\Projects\2021\121283970 INDOT 210112a OnCall\2100806 SR 39 Over Marquadt Ditch\01 ConstDocs\CAD Sheet Files\2100806G01.dwg

MATCHLINE STA. 408+20
SEE ABOVE

LEGEND:

- (GR) Guardrail
(O) Variable Depth Compacted Aggregate, No. 53
(W) HMA for Widening, Type D Consisting of:
165 #/SYD QC/QA-HMA, 4, 58E, Surface, 9.5 mm on
275 #/SYD QC/QA-HMA, 4, 58E, Intermediate, 19.0 mm on
1100 #/SYD QC/QA-HMA, 4, 58S, Base, 25 mm on
Subgrade Treatment Type IC on
Geotextile for Pavement, Type 2B
(11) Sawcut
(26) Sodding
(27) Mulched Seeding, R
 Mulched Seeding, R With Erosion Control Blanket



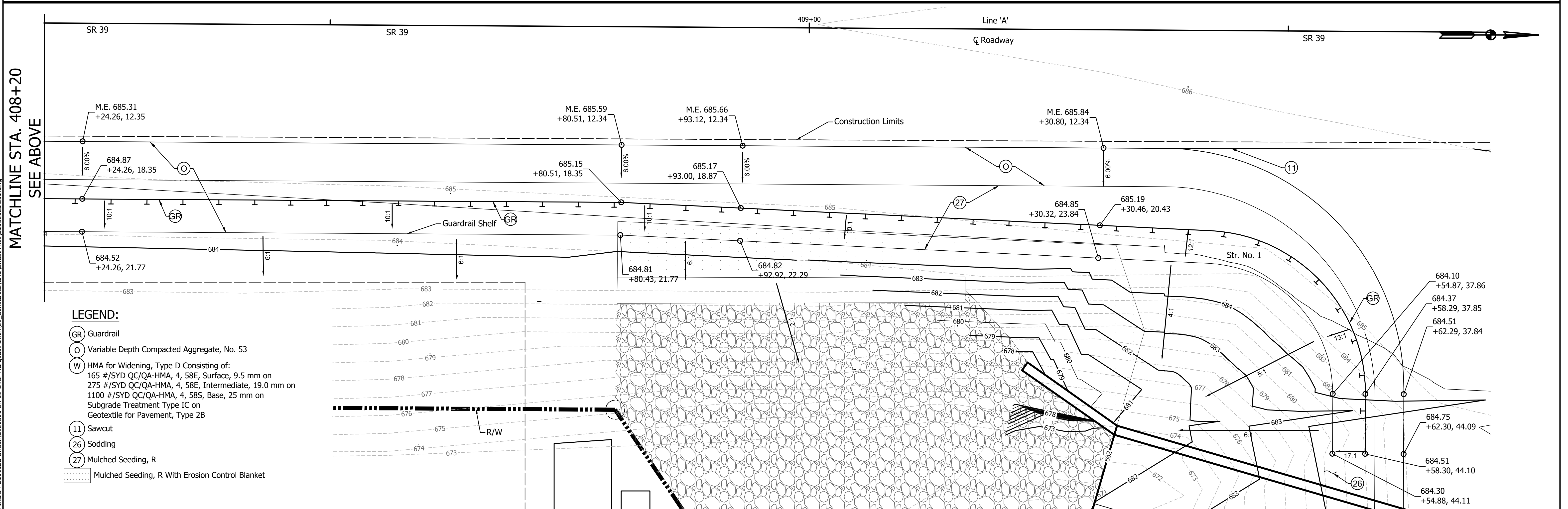
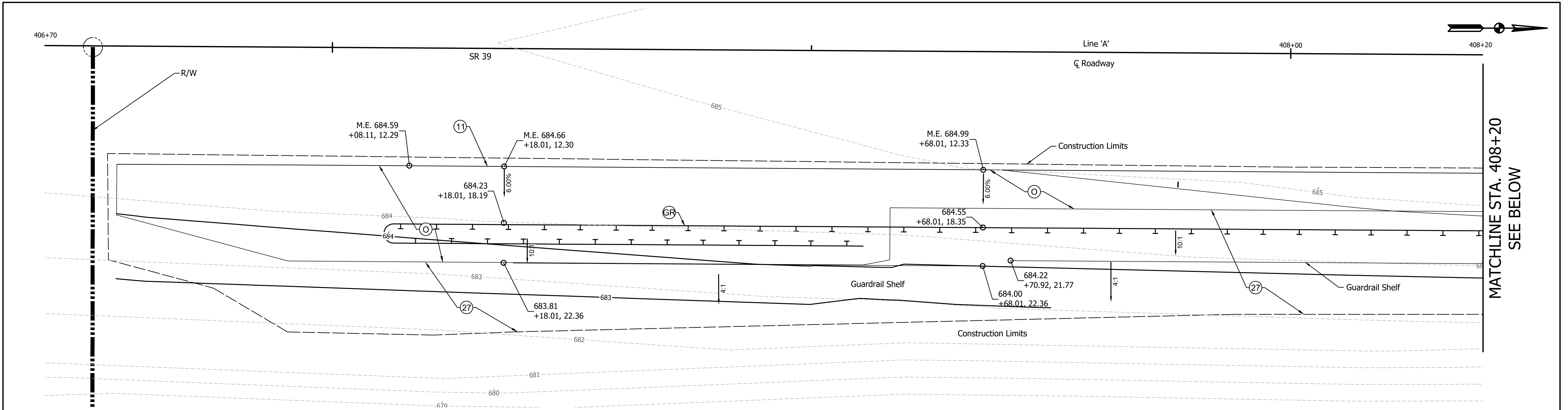
NOT FOR
CONSTRUCTION
DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED: AMM		7/2024		DRAWN: PEB	
7/2024		7/2024		CHECKED: TMN	
7/2024		7/2024		7/2024	

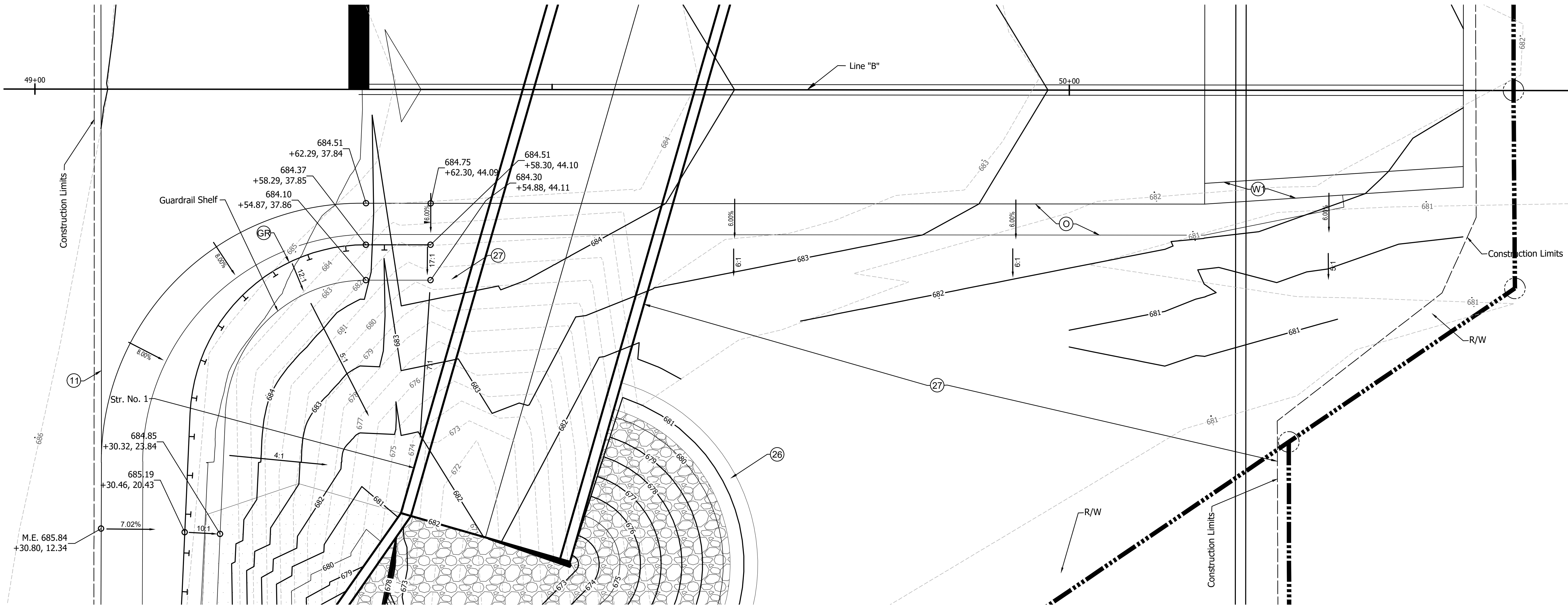
INDIANA
DEPARTMENT OF TRANSPORTATION

GUARDRAIL DETAIL GRADING
LINE 'A'

HORIZONTAL SCALE		CULVERT ASSET ID	
1" = 5'		CV 039-046-169.10	
VERTICAL SCALE		DESIGNATION	
N/A		2100806	
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CONTRACT		PROJECT	
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11/29/2023
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- LEGEND:**
- (GR) Guardrail
 - (O) Variable Depth Compacted Aggregate, No. 53
 - (W1) HMA for Widening, Type D Consisting of:
275 #/SYD QC/QA-HMA, 4, 58S, Intermediate, 19.0 mm on
660 #/SYD QC/QA-HMA, 4, 58S, Base, 25 mm on
Subgrade Treatment Type IC on
Geotextile for Pavement, Type 2B
 - (11) Sawcut
 - (26) Sodding
 - (27) Mulched Seeding, R
 - Mulched Seeding, R With Erosion Control Blanket



NOT FOR
CONSTRUCTION
DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED: <u>AMM</u>		DRAWN: <u>PEB</u>		7/2024	
CHECKED: <u>TMN</u>		CHECKED: <u>TMN</u>		7/2024	

INDIANA
DEPARTMENT OF TRANSPORTATION

GUARDRAIL DETAIL GRADING
LINE "B"

HORIZONTAL SCALE		CULVERT ASSET ID	
1" = 5'		CV 039-046-169.10	
VERTICAL SCALE		DESIGNATION	
N/A		2100806	
SHEETS		PROJECT	
CONTRACT		PROJECT	
R-43904		2108006	

11/29/2023
X:\Projects\2021\1611283970_INDOT 210112a OnCall\2100806 SR 39 Over Marquadt Ditch\01_ConstDocs\CAD\Sheet_Files\2100806MISC.dwg

PAVEMENT QUANTITIES AND APPROACH TABLE

LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADII	DISTANCE BEYOND R/W LINE	GRADE				CLEAR ZONE AT DRIVE	SUBGRADE TREATMENT, TYPE IC AND GEOTEXTILE FOR PAVEMENT, TYPE 2B	PCCP FOR APPROACHES		MILLING, APPROACH	MILLING TRANSITION	QC/QA-HMA				HMA MATERIAL FOR:	COMPACTED AGGREGATE, NO. 53		DENSE GRADED SUBBASE	DENSE GRADED SUBBASE	GEOGRID, TYPE IB	COMPACTED AGGREGATE, NO. 53, TEMPORARY FOR DRIVEWAYS	SIDEWALK, REMOVE	CURB AND GUTTER, REMOVE	SIDEWALK, CONCRETE	CURB RAMP, CONCRETE	CURB AND GUTTER, COMBINED	CURB	MULCHED SEEDING, TYPE R	PLANT GROWTH LAYER	REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
						1	2	3	4			9"	6"			LBS. PER SYD.																				DEPTH		9 IN.	6 IN.	4 IN.																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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GUARDRAIL SUMMARY TABLE

LOCATION					MGS W-BEAM GUARDRAIL LENGTH											GUARDRAIL FLARE RATE	GUARDRAIL END TREATMENT TYPE OS	GUARDRAIL END TREATMENT TYPE MS	GUARDRAIL TRANSITION TYPE TGB	W-BEAM STANDARD POST AT 6 FT 3 IN. SPA.	CURVED W-BEAM GUARDRAIL SYSTEM				GUARDRAIL REMOVE	GUARDRAIL RESET	IMPACT ATTENUATOR TYPE ____	REMARKS						
FROM STATION	TO STATION	LEFT	MEDIAN LEFT	MEDIAN RIGHT	RIGHT	STANDARD POST AT 6 FT 3 IN. SPA.	STANDARD POST AT 3 FT 1.5 IN. SPA.	DOUBLE FACED AT 6 FT 3 IN. SPA.	DOUBLE FACED AT 3 FT 1.5 IN. SPA.	HEIGHT TRANSITION	GUARDRAIL TRANSITION WITH CURB	GUARDRAIL TRANSITION WITHOUT CURB	STRUCTURE TOP-MOUNTED POST	CABLE TERMINAL ANCHOR	SHOP CURVED AT _____ FT. SPA.						LONG-SPAN GUARDRAIL	TERMINAL SYSTEM		CONNECTOR SYSTEM										
						LFT	LFT	LFT	LFT	EACH	EACH	EACH	EACH	EACH	LFT						EACH	TYPE	EACH	TYPE					EACH	LFT	LFT	EACH		
LINE 'A'																																		
407+18.01	409+57.31				X	125				1								1				4	1			408								
TOTALS						125				1								1				4	1			408								

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION				SIZE	PIPE TYPE	DESCRIPTION MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH	SKEW	FLOWLINE				TOP OF CASTING	SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL		FLOWABLE BACKFILL		CLASS I RIP-RAP		VIDEO INSPECTION	PIPE END SECTION	GRATED BOX END SECTION		SAFETY METAL END SECTION		CONNECT TO STR.	NOTES/REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	STATION	LEFT	RIGHT	CROSS						COVER	UPSTREAM INVERT	DOWNSTREAM INVERT	TYPE 2						CYS 111	TYPE	CYS	TON	SYS	LFT			EA	TYPE	SLOPE	EA			SLOPE	EA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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R/W MARKERS

STATION	OFFSET	EACH
	ft	
LINE 'B'		
50+43.00	23, L	1
50+43.00	19, R	1
LINE 'A'		
406+75.21	40, R	1
408+80.00	40, R	1
410+70.00	40, R	1
TOTAL		5

MONUMENT TABLE

STATION	OFFSET	MONUMENT
Line "A"		
409+73.4	15 R	Section Corner
Line "B"		

PAVEMENT MARKINGS SUMMARY OF QUANTITIES

ALIGNMENT	LOCATION	L/R/C	LINE THERMOPLASTIC					TRANSVERSE MARKING, MULTI-COMPONENT, CROSSHATCH LINE	TRANSVERSE MARKING, THERMOPLASTIC, STOP BAR	TRANSVERSE MARKINGS, MULTI-COMPONENT, CROSSWALK LINE	PAVEMENT MESSAGE MARKING, LANE INDICATION ARROW	GROOVING FOR PAVEMENT MARKINGS
			SOLID YELLOW 6 IN	SOLID WHITE 6 IN	DOTTED WHITE 6 IN	BROKEN WHITE 6 IN	BROKEN YELLOW 4 IN					
			FT	FT	FT	FT	FT					
			FT	FT	FT	FT	FT					LFT
A	STA 406+88.11 TO STA 409+37.18	R		119								119
A	STA 409+73.38 TO STA 409+84.38	R							11			
B	STA 49+31.31 TO STA 50+38.09	L	107									107
B	STA 49+31.31 TO STA 50+38.09	R	107									107
	TOTAL		214	119					11			333

NOTE TO REVIEWER: TABLES TO BE COMPLETED AT STAGE 3



NOT FOR CONSTRUCTION
DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	CULVERT ASSET ID				
		N/A	CV 039-046-169.10				
		VERTICAL SCALE	DESIGNATION				
		N/A	2100806				
DESIGNED: <u>AMM</u> 7/2024	DRAWN: <u>PEB</u> 7/2024	MISCELLANEOUS TABLES			SHEETS		
					13	of	20
CHECKED: <u>TMN</u> 7/2024	CHECKED: <u>TMN</u> 7/2024						
		CONTRACT	PROJECT				
		R-43904	2108006				