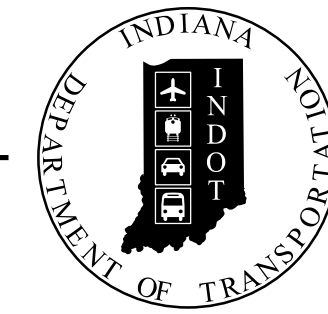


PROJECT	DESIGNATION
200219700ST1	2002197
CONTRACT	
R-43428	

CULVERT ASSETS		
DES. NO.	CULVERT ASSET ID	WORK TYPE
2002197	CV 159-084-23.30	Small Structure Replacement

Plan Review **RD** **AW** **DCM**
 Reviewed by: _____ Date: 07/16/2023
 lcasler

INDIANA DEPARTMENT OF TRANSPORTATION



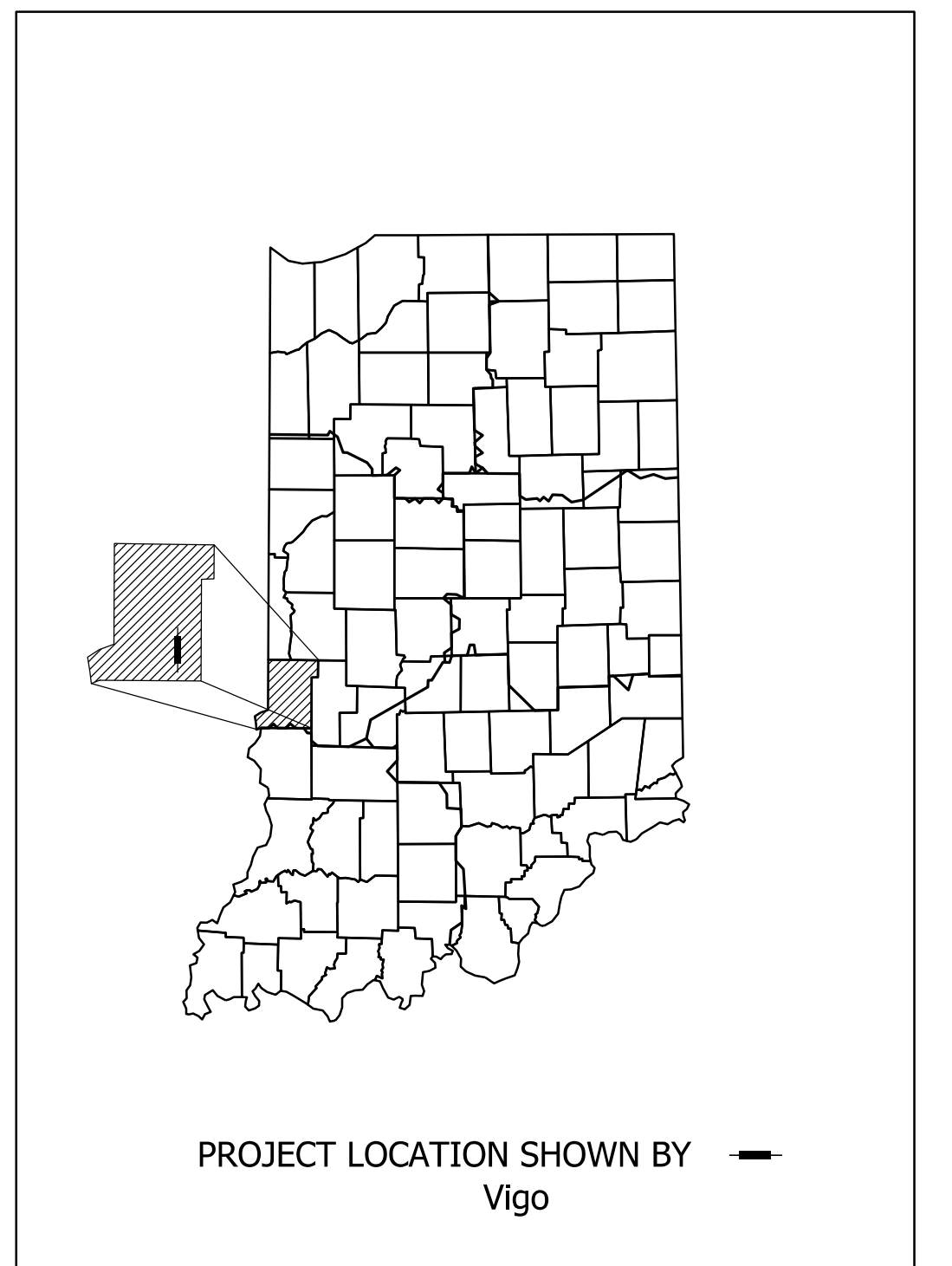
ROAD PLANS

ROUTE: SR 159 FROM: RP 23+38 TO: RP 23+38
 PROJECT NO. 200219700ST1 P.E.
 200219700ST1 R/W
 200219700ST1 CONST.

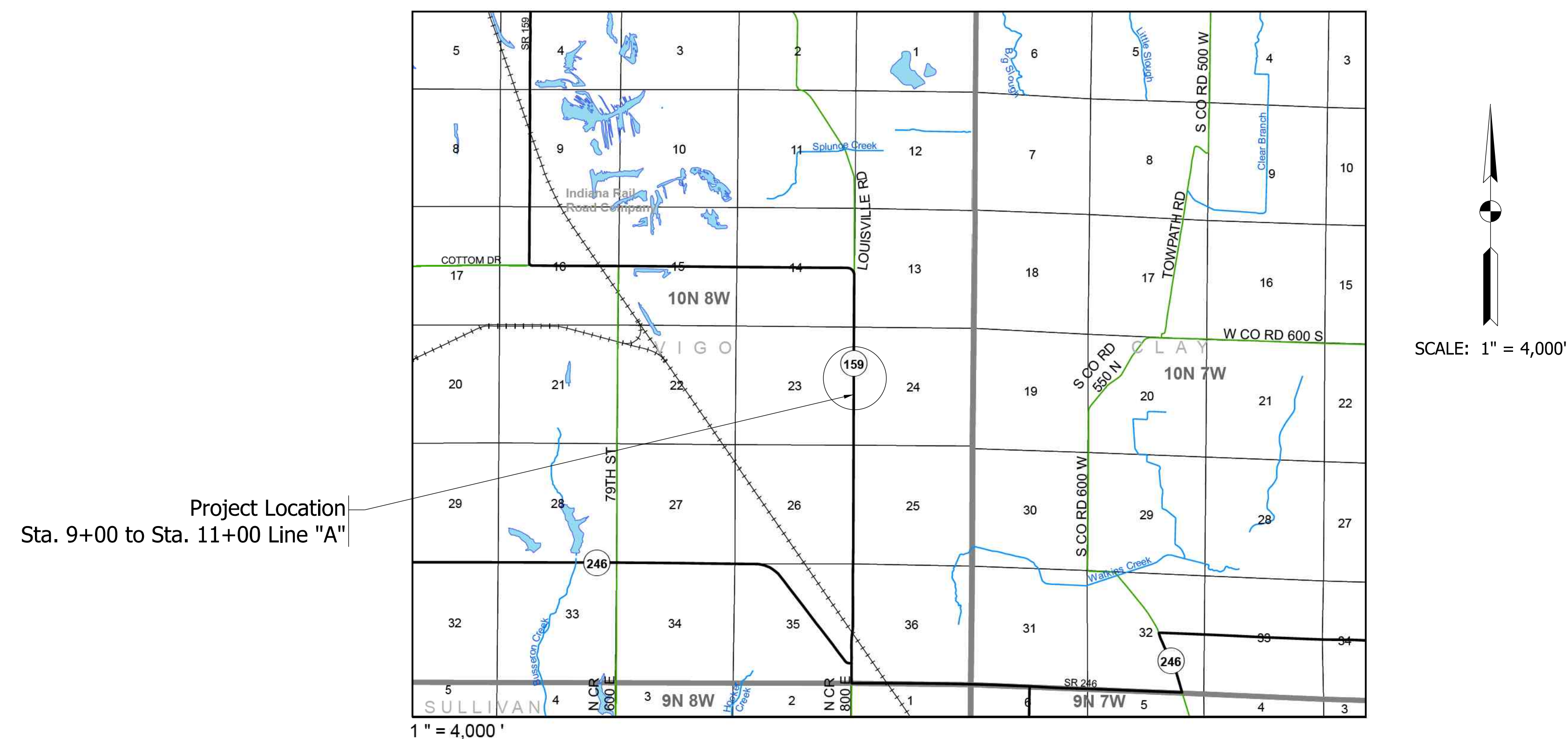
Small Structure Replacement on SR 159
 Located 4.15 mi N of SR 246
 Section 23,24, T-10-N, R-8-W, Pierson Township, Vigo County, Indiana

TRAFFIC DATA		
A.A.D.T. (2025)		725 V.P.D.
A.A.D.T. (2045)		725 V.P.D.
D.H.V (2045)		71 V.P.H.
DIRECTIONAL DISTRIBUTION		52.97%
TRUCKS		19.45% A.A.D.T. 23.94% D.H.V.

DESIGN DATA		
DESIGN SPEED		55 M.P.H.
PROJECT DESIGN CRITERIA		3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION		MAJOR COLLECTOR
RURAL/URBAN		RURAL
TERRAIN		LEVEL
ACCESS CONTROL		N/A



LATITUDE: N 39°17'49"	LONGITUDE: W 87°15'32"
GROSS LENGTH: _____	0.075 MI.
NET LENGTH: _____	0.075 MI.
MAX. GRADE: _____	0.91 %



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

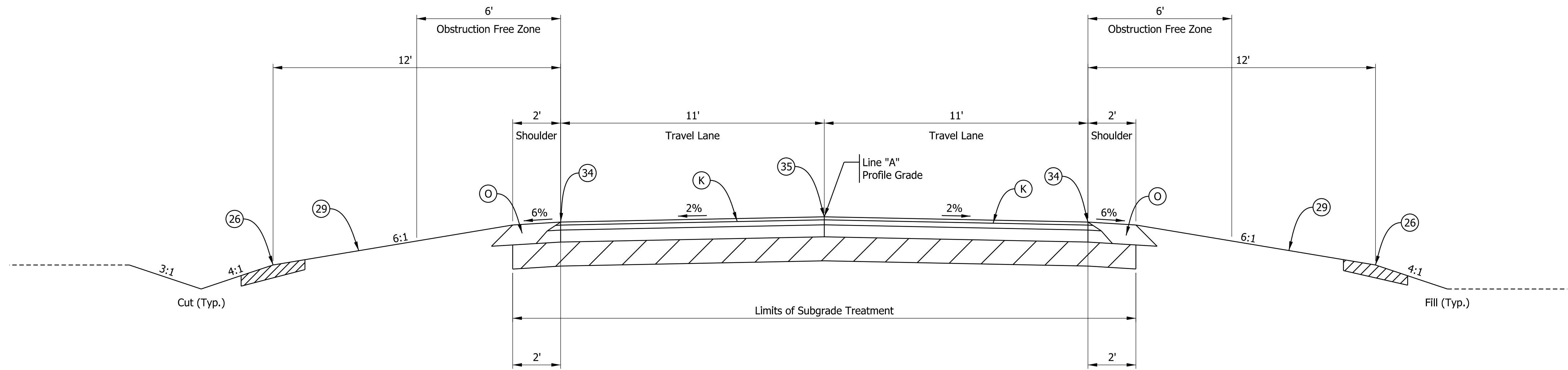
PLANS PREPARED BY: _____ PHONE NUMBER _____
THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT
 CERTIFIED BY: _____ DATE _____
 RECOMMENDED FOR LETTING: _____ DATE _____
 INDIANA DEPARTMENT OF TRANSPORTATION

DESIGNATION	
2002197	
SHEETS	
1	of 14
CONTRACT	PROJECT
R-43428	200219700ST1

Plot: 6/22/2023 2:49 PM

LEGEND

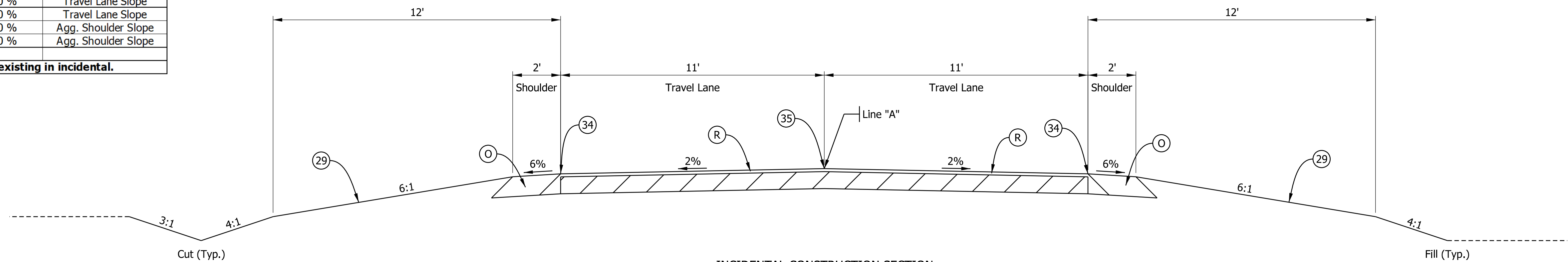
- (K) 165 lbs/yd² QC/QA-HMA 3, 64, Surface, 9.5mm, on
275 lbs/yd² QC/QA-HMA 3, 64, Intermediate, 19.0mm, on
660 lbs/yd² QC/QA-HMA 3, 64, Base, 25.0mm, on
Subgrade Treatment Type 1C, on
Geotextile for Pavement Type 2B
- (R) Milling, Asphalt, 1.5 in. then Overlay with
165 lbs/yd² QC/QA-HMA 3, 64, Surface, 9.5mm
- (O) Compacted Aggregate No. 53
- (26) Sodding
- (29) Mulched Seeding R
- (34) Line, Paint, Solid, White, 6 in.
- (35) Line, Paint, Broken, Yellow, 6 in.



◇ VARIABLE SLOPE TABLE

Start Sta.	End Sta.	Lt./Rt.	Start Slope	End Slope	Remarks
8+00.00	8+50.00	Rt.	4:1	6:1	Clear Zone Slope
8+00.00	8+50.00	Lt.	4:1	6:1	Clear Zone Slope
8+00.00	8+50.00	Rt.	4:1	3:1	Ditch Foreslope
8+00.00	8+50.00	Lt.	4:1	3:1	Ditch Foreslope
11+50.00	12+00.00	Rt.	6:1	4:1	Clear Zone Slope
11+50.00	12+00.00	Lt.	6:1	4.5:1	Clear Zone Slope
11+50.00	12+00.00	Rt.	3:1	4:1	Foreslope
11+50.00	12+00.00	Lt.	3:1	4.5:1	Ditch Foreslope
8+00.00	8+50.00	Rt.	2.25 %	2.0 %	Travel Lane Slope
8+00.00	8+50.00	Lt.	2.45 %	2.0 %	Travel Lane Slope
8+00.00	8+50.00	Rt.	9.0 %	6.0 %	Agg. Shoulder Slope
8+00.00	8+50.00	Lt.	12.0 %	6.0 %	Agg. Shoulder Slope
11+50.00	12+00.00	Rt.	2.0 %	3.40 %	Travel Lane Slope
11+50.00	12+00.00	Lt.	2.0 %	1.40 %	Travel Lane Slope
11+50.00	12+00.00	Rt.	6.0 %	14.0 %	Agg. Shoulder Slope
11+50.00	12+00.00	Lt.	6.0 %	7.10 %	Agg. Shoulder Slope

These are approximate values, match back to the existing in incidental.



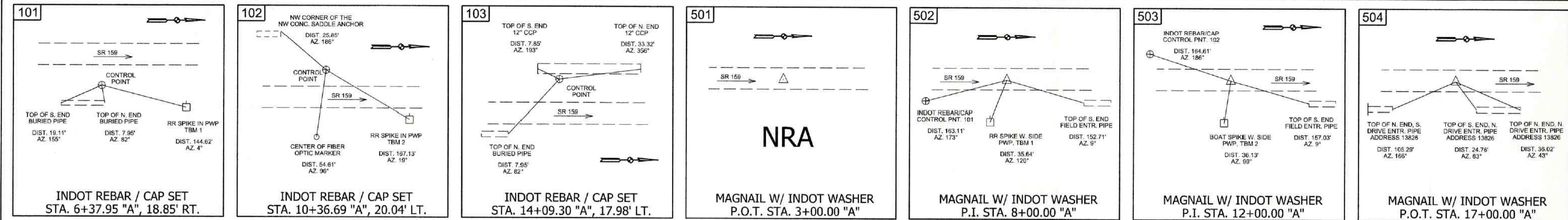
□ TAPER TABLE

Start Sta.	End Sta.	Lt./Rt.	Start Width	End Width	Remarks
8+00.00	8+50.00	Rt.	1.3 ft	2.0 ft	Agg. Shoulder Width
8+00.00	8+50.00	Lt.	1.9 ft	2.0 ft	Agg. Shoulder Width
8+00.00	8+50.00	Rt.	6.0 ft	12.0 ft	Clear Zone Width
8+00.00	8+50.00	Lt.	6.0 ft	12.0 ft	Clear Zone Width
11+50.00	12+00.00	Rt.	2.0 ft	1.4 ft	Agg. Shoulder Width
11+50.00	12+00.00	Lt.	2.0 ft	1.6 ft	Agg. Shoulder Width
11+50.00	12+00.00	Rt.	12.0 ft	6.0 ft	Clear Zone Width
11+50.00	12+00.00	Lt.	12.0 ft	6.0 ft	Clear Zone Width

These are approximate values, match back to the existing.

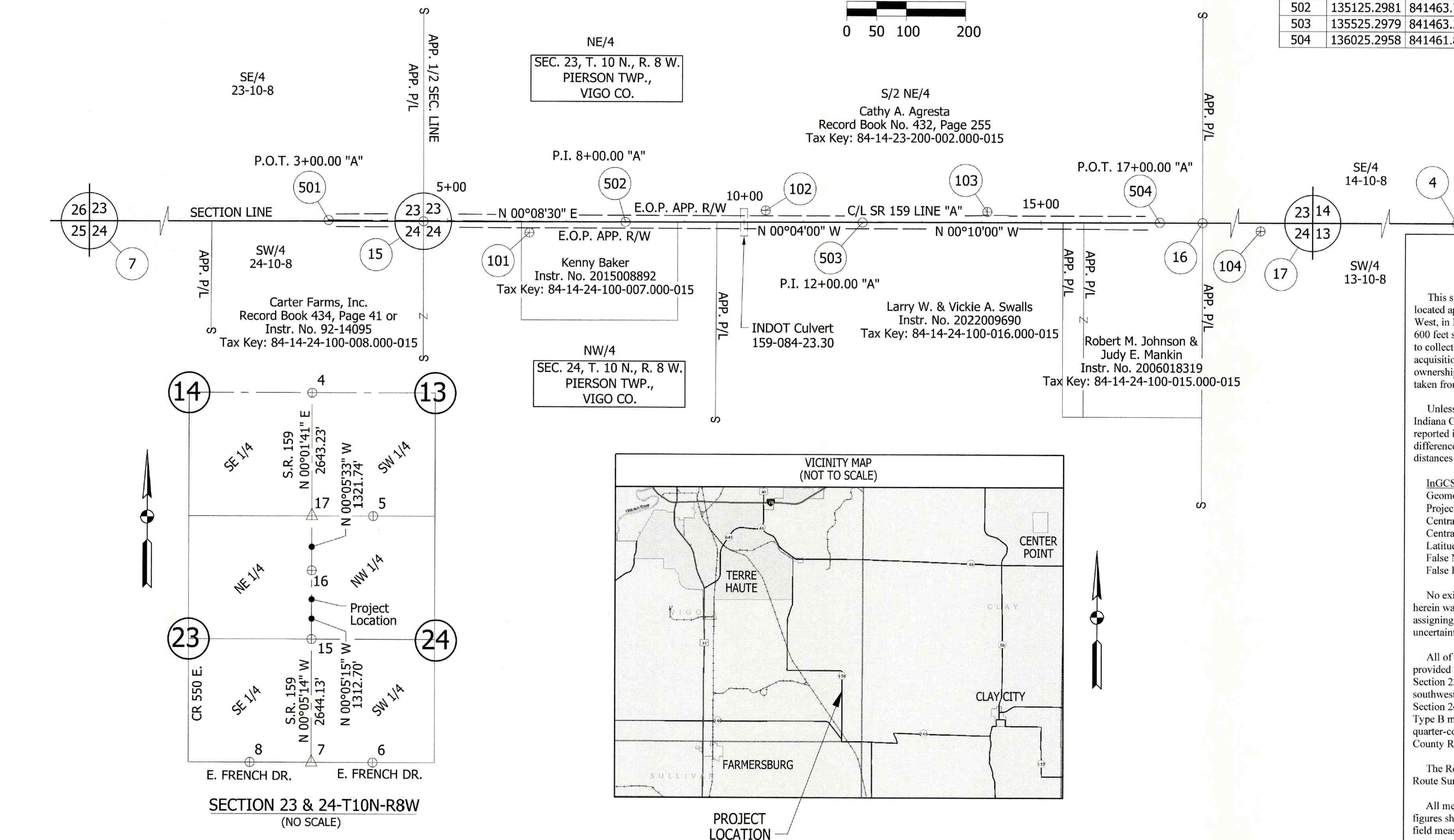
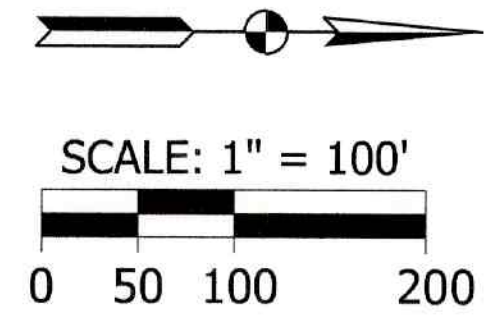
Plot: 6/22/2023 2:49 PM

RECOMMENDED FOR APPROVAL _____ DESIGNED: EAA May 2023 CHECKED: AKB May 2023	DESIGN ENGINEER _____ DRAWN: EAA May 2023 CHECKED: AKB May 2023	INDIANA DEPARTMENT OF TRANSPORTATION		SCALE As Noted	BRIDGE FILE NA
		TYPICAL CROSS SECTIONS		DESIGNATION 2002197	SHEETS 3 of 14
				CONTRACT R-43428	PROJECT 200219700ST1



COORDINATE CHART			
Point	Northing	Easting	Description
4	140062.4154	841461.2232	ROD IN VAULT
5	137418.7319	844118.7635	BARN NAIL
6	132120.6849	844141.9310	IRON SPIKE
7	132140.6263	841468.0976	TYPE B MON
8	132132.6600	838874.2296	REBAR DISTURBED
15	134784.7520	841464.0710	PIN IN CONC.
16	136097.4530	841462.0660	PIN IN CONC.
17	137419.1900	841459.9350	TYPE B MON
101	134963.2067	841482.1979	REBAR/CAP (INDOT)
102	135361.9628	841443.4361	REBAR/CAP (INDOT)
103	135734.5472	841444.6977	REBAR/CAP (INDOT)
104	136707.5490	841477.7183	REBAR/CAP (INDOT)
501	134625.2997	841462.5161	POT 3+00.00
502	135125.2981	841463.7523	PI 8+00.00
503	135525.2979	841463.2869	PI 12+00.00
504	136025.2958	841461.8325	POT 17+00.00

LEGEND	
SECTION CORNER	△
REBAR / IRON PIN OR PIPE	⊕
CONCRETE R/W MARKER	⊗
ALIGNMENT P.I.	△
C/L ALIGNMENT	○
APPROX. EXISTING ROAD C/L	---
EXIST. R/W	---
EXISTING EASEMENTS	---



2022011879 SURVEY \$25.00
 09/13/2022 12:01:11P 1 PGS
 Diana Winsted-Selth
 VIGO County Recorder IN
 Recorded as Presented IN

Surveyor's Report

Route Survey: INDOT Project No. 2002197, State Road 159, Vigo County (Des. #2002197)

This survey was conducted as part of a proposed small structure replacement project on State Road 159 located approximately 2.5 miles north of State Road 246 in Sections 23 and 24, Township 10 North, Range 8 West, in Pierson Township, Vigo County, Indiana. The topography survey itself extends from approximately 600 feet south to approximately 600 feet north of INDOT Culvert 159-84-23.30. The purpose of this survey is to collect data for use in the design phase of the project and to serve as the basis for any right-of-way acquisition needed for the project. This is NOT a boundary retracement survey and any property lines and ownership information shown herein are for information only and are based on the current legal descriptions taken from the last deeds of record and limited physical evidence.

Unless noted otherwise, all bearings, distances, areas, and coordinates shown hereon are based upon the Indiana Geospatial Coordinate System's (InGCS) "Vigo" zone per NAD 83 (2011) epoch 2010.00 and are reported in U.S. Survey Feet and decimal parts thereof. The "Vigo" zone was developed to minimize the differences between ground-measured horizontal distances and the corresponding grid coordinate (map) distances within the county bearing this zone's name.

InGCS "Vigo" Zone Parameters
 Geometric Datum: NAD 83(2011) epoch 2010.00
 Projection Type: Transverse Mercator
 Central Meridian: 87°27'00" west longitude
 Central Meridian scale factor: 1.000020
 Latitude of Grid Origin: 39°15'00" north latitude
 False Northing: 36,000,000 m (118,110.00 U.S. Ft.)
 False Easting: 240,000,000 m (787,400.00 U.S. Ft.)

No existing road plans or survey books were found for this section of State Road 159. Line "A" as shown herein was established generally in the center of the existing pavement with stationing derived by arbitrarily assigning Station 10+00 to a point generally centered between the two existing culvert pipes. There is no uncertainty associated with the location and stationing of this newly created alignment.

All of the section and quarter-section corner monuments shown herein were recovered from references provided by the Vigo County Surveyor's Office. These include a rebar at the southeast quarter-quarter-corner of Section 23, (Point #8), a Type B monument at the southwest corner of Section 24, (Point #7), an iron pin at the southwest quarter-quarter-corner of Section 24, (Point #6), a pin in concrete at the west quarter-corner of Section 24, (Point #15), a pin in concrete at the north west quarter-quarter-corner of Section 24, (Point #16), a Type B monument at the northwest corner of Section 24, (Point #17), and a barn nail at the northwest quarter-quarter-corner of Section 24, (Point #5). There is minimal uncertainty associated with the locations of these County Referenced Corners.

The Relative Positional Accuracy of the field measurements for this survey is within the specifications for a Route Survey (+/- 0.5 of a foot) as defined in Title 865 IAC 1-12, (Rule 12).

All measurements are in English units in U.S. Survey Feet unless otherwise noted. The number of significant figures shown herein is for calculation purposes only and is not intended to imply the precision of the original field measurements.

INDOT Crawfordsville District Survey File: 159-0233-84

SURVEY STARTED	June 13, 2022
SURVEY COMPLETED	July 25, 2022
ROUTE PLAT SHEETS	1 of 1

INDIANA DEPARTMENT OF TRANSPORTATION
 CRAWFORDSVILLE DISTRICT
 41 WEST COUNTY ROAD 300 NORTH
 CRAWFORDSVILLE, IN 47933

FIELD SURVEYOR STATEMENT

THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF TITLE 865 I.A.C. 1-12-20 THROUGH 1-12-26 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.



I AFFIRM, UNDER THE PENALTIES FOR PERJURY, THAT I HAVE TAKEN REASONABLE CARE TO REDACT EACH SOCIAL SECURITY NUMBER IN THIS DOCUMENT, UNLESS REQUIRED BY LAW.
 FRANK T. LUSE

DRAWING PREPARED BY WAYNE D. STARNES
 RECOMMENDED FOR APPROVAL
 FRANK T. LUSE
 REGISTERED LAND SURVEYOR, FIELD

DATE: 8/30/22

INDIANA DEPARTMENT OF TRANSPORTATION
 LOCATION CONTROL ROUTE SURVEY
 S.R. 159 - VIGO COUNTY

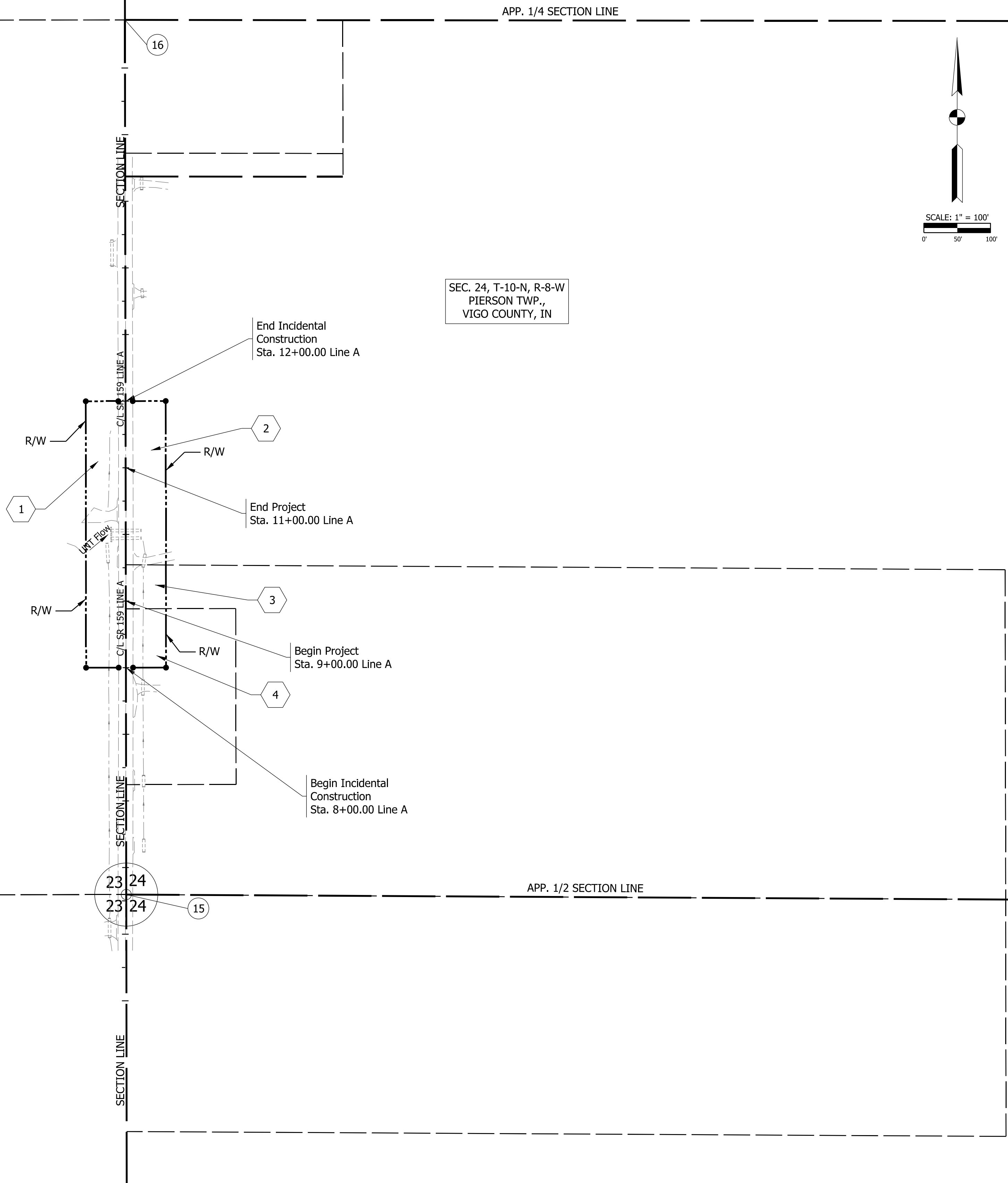
HORIZONTAL SCALE	BRIDGE FILE
1" = 100'	NA
COUNTY	DESIGNATION
VIGO	2002197
SURVEY BOOK	SHEET
2002197	4 of 14
CONTRACT	PROJECT
R-43428	200219700ST1

Section	Index No.	Owner
23	1	Cathy A. Agresta
24	2	Jay Gonthier & Michelle D. Wagner JT/RS
24	3	Carter Farms
24	4	Kenny Baker

SEC. 23, T-10-N, R-8-W
PIERSON TWP.,
VIGO COUNTY, IN

SEC. 24, T-10-N, R-8-W
PIERSON TWP.,
VIGO COUNTY, IN

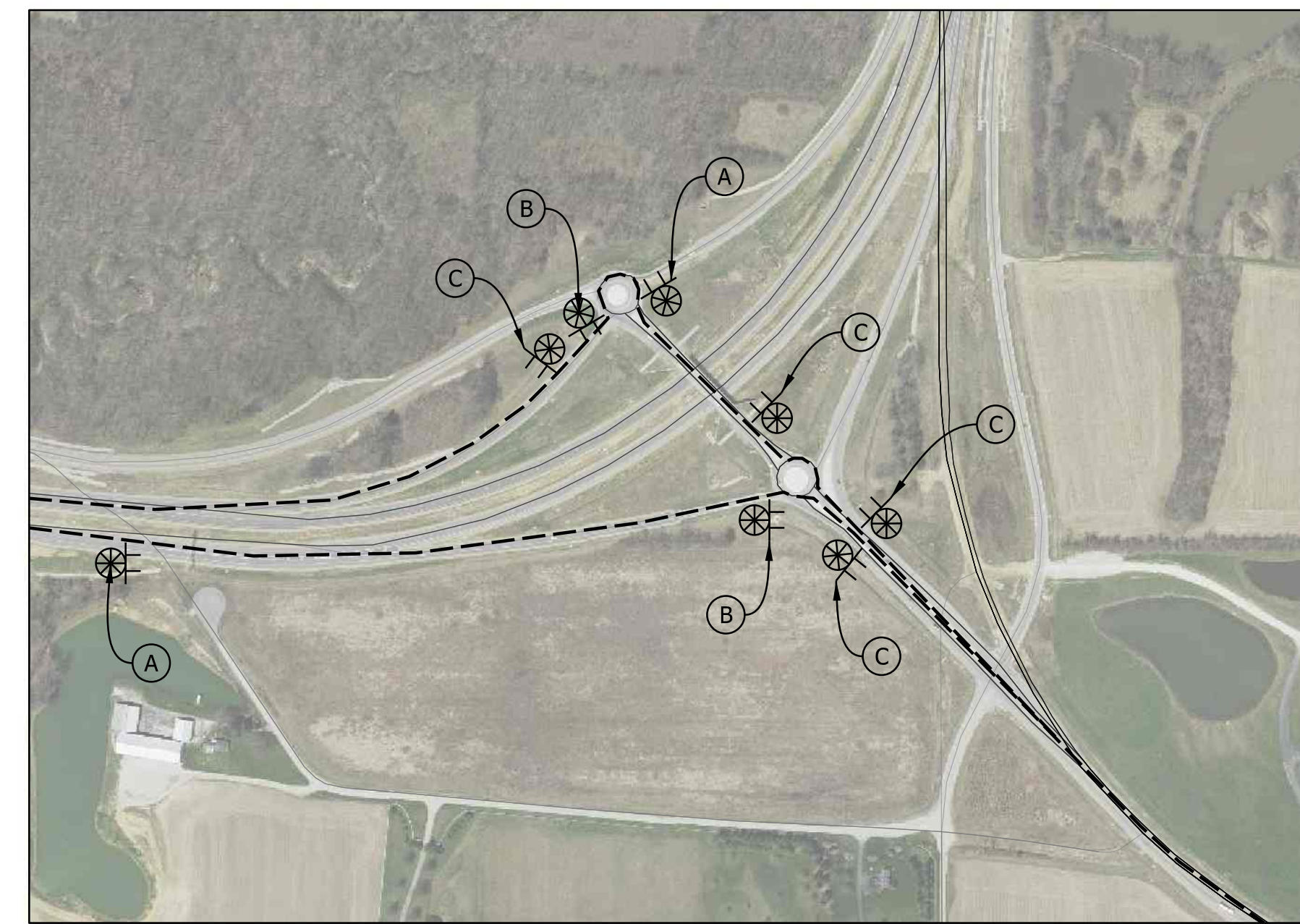
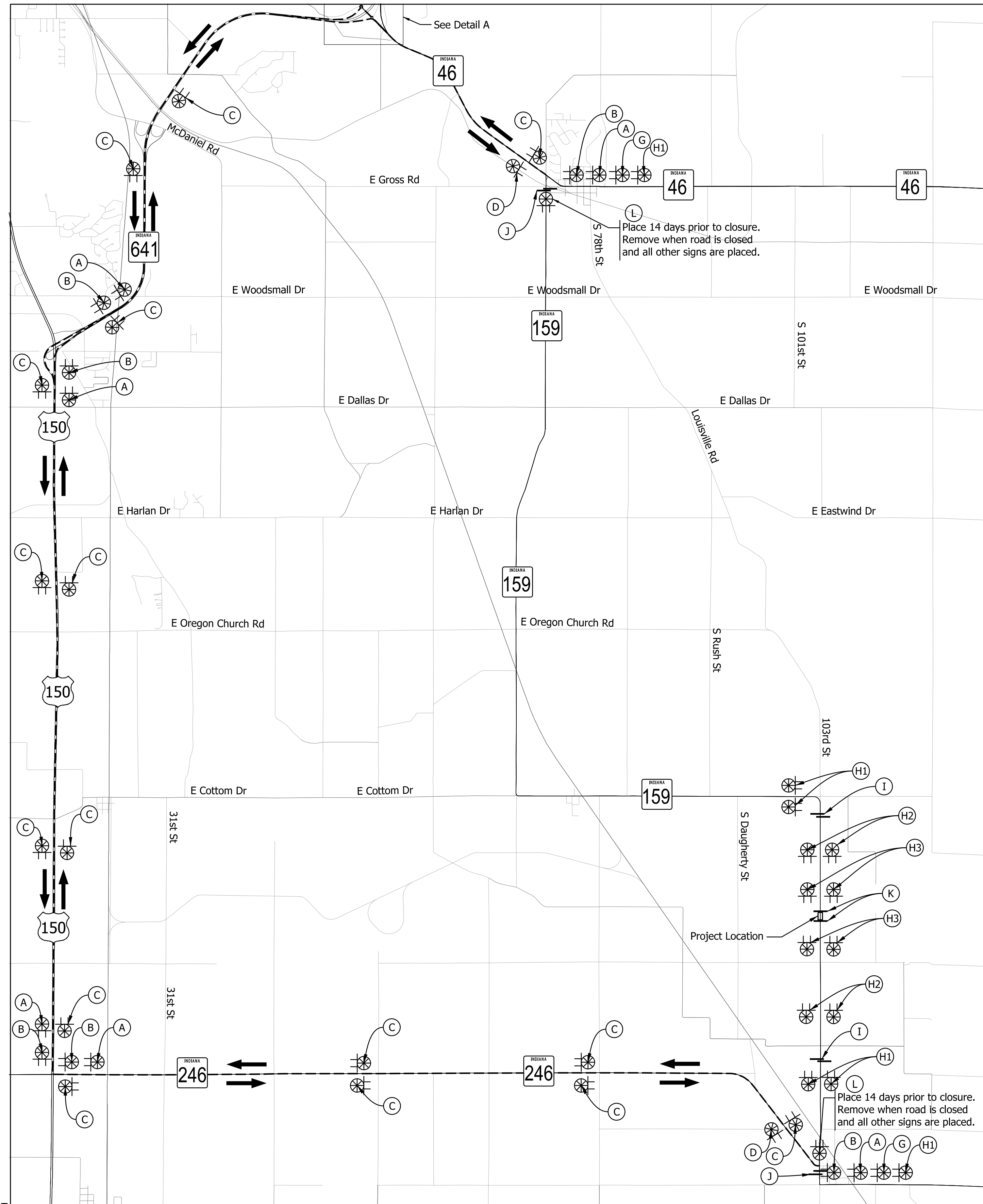
17+00
16+00
15+00
14+00
13+00
12+00
11+00
10+00
9+00
8+00
7+00
6+00
5+00
4+00
3+00



Plot: 6/22/2023 2:49 PM

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Model:RD_Plat Sheet

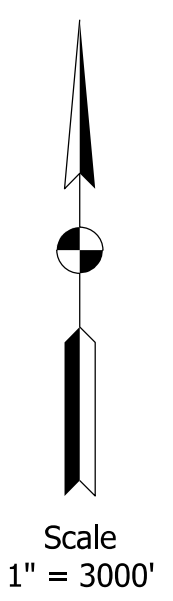
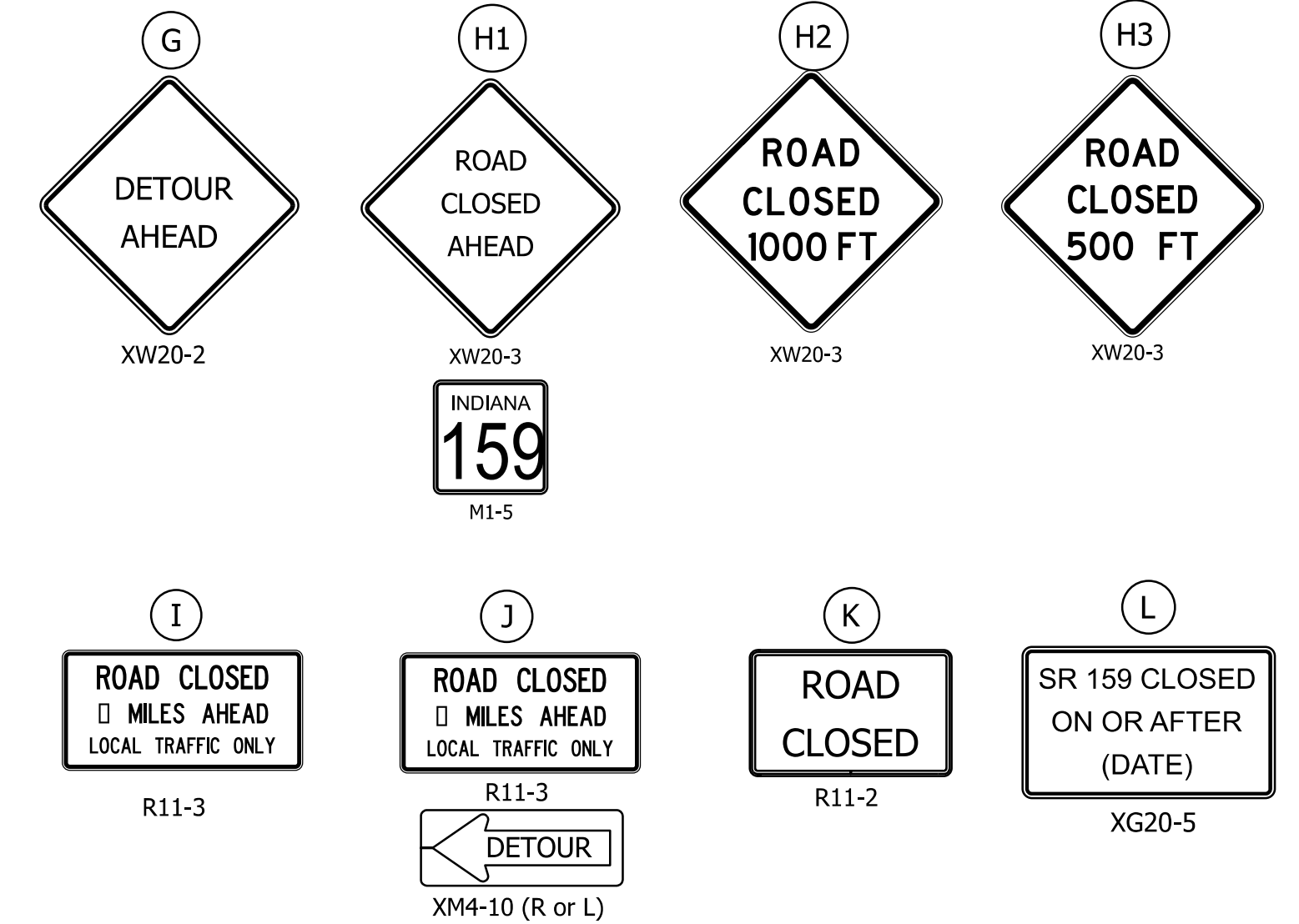
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION		SCALE 1" = 100'	BRIDGE FILE NA
			DESIGNATION 2002197	
DESIGNED: EAA May 2023	DRAWN: EAA May 2023	PLAT NO. 1	SHEETS 5 of 14	
CHECKED: AKB May 2023	CHECKED: AKB May 2023		CONTRACT R-43428	PROJECT 200219700ST1



Detail A
Scale: 1" = 400'

LEGEND	
A	ADVANCE TURN DETOUR ROUTE MARKER ASSEMBLY SEE INDOT STANDARD DRAWING E 801-TCDT-04
B	DIRECTIONAL DETOUR ROUTE MARKER ASSEMBLY SEE INDOT STANDARD DRAWING E 801-TCDT-04
C	CONFIRMING DETOUR ROUTE MARKER ASSEMBLY SEE INDOT STANDARD DRAWING E 801-TCDT-04
D	END DETOUR ROUTE MARKER ASSEMBLY SEE INDOT STANDARD DRAWING E 801-TCDT-04
G	DETOUR AHEAD (XW20-2)
H	ROAD CLOSED AHEAD (XW20-3) SEE VARIATIONS BELOW
I	ROAD CLOSED - LOCAL TRAFFIC ONLY (R11-3), TYPE III-B BARRICADES
J	ROAD CLOSED - LOCAL TRAFFIC ONLY (R11-3), DETOUR (XM4-10(L or R)), TYPE III-B BARRICADES
K	ROAD CLOSED (R11-2), TYPE III-A BARRICADES
L	SR 159 CLOSED ON OR AFTER _

SUMMARY OF ITEMS			
SIGN NUMBER	SIGN MESSAGE (SYMBOL)	CONSTRUCTION SIGN TYPE	QUANTITY
M1-5	STATE ROUTE SIGN (3 DIGITS)	B	6 EACH
R11-2	ROAD CLOSED	A	2 EACH
R11-3	ROAD CLOSED - LOCAL TRAFFIC ONLY	A	4 EACH
XM4-10()	DETOUR () (ARROW)	B	2 EACH
XG20-5	SR 159 CLOSED ON OR AFTER _	A	2 EACH
XW20-2	DETOUR AHEAD	A	2 EACH
XW20-3	ROAD CLOSED AHEAD	A	14 EACH
ROAD CLOSURE SIGN ASSEMBLY			6 EACH
TYPE III-A BARRICADE			84 LFT
TYPE III-B BARRICADE			120 LFT
ADVANCE TURN DETOUR ROUTE MARKER ASSEMBLY			8 EACH
DIRECTIONAL DETOUR ROUTE MARKER ASSEMBLY			8 EACH
CONFIRMING DETOUR ROUTE MARKER ASSEMBLY			20 EACH
END DETOUR ROUTE MARKER ASSEMBLY			2 EACH
TOTAL CONSTRUCTION SIGN TYPE A			24 EACH
TOTAL CONSTRUCTION SIGN TYPE B			8 EACH



State Detour for SR 159
SR 246, US 150, SR 641, and SR 46

- Notes:
- See INDOT Standard Drawings E 801-TCDT-01 and E 801-TCDT-04 for additional information and sign spacing.
 - All signage shall be in accordance with the Indiana Manual on Uniform Traffic Control Devices.

Plot: 6/22/2023 2:49 PM

File: pw:\indot-pw\bentley.com\indot-pw-01\Documents\Crawfordsville\2002197\Design\MS\ShT MOT Detour.dgn
Model:RD_Detail Sheet

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: EAA	May 2023	DRAWN: EAA
CHECKED: AKB	May 2023	CHECKED: AKB

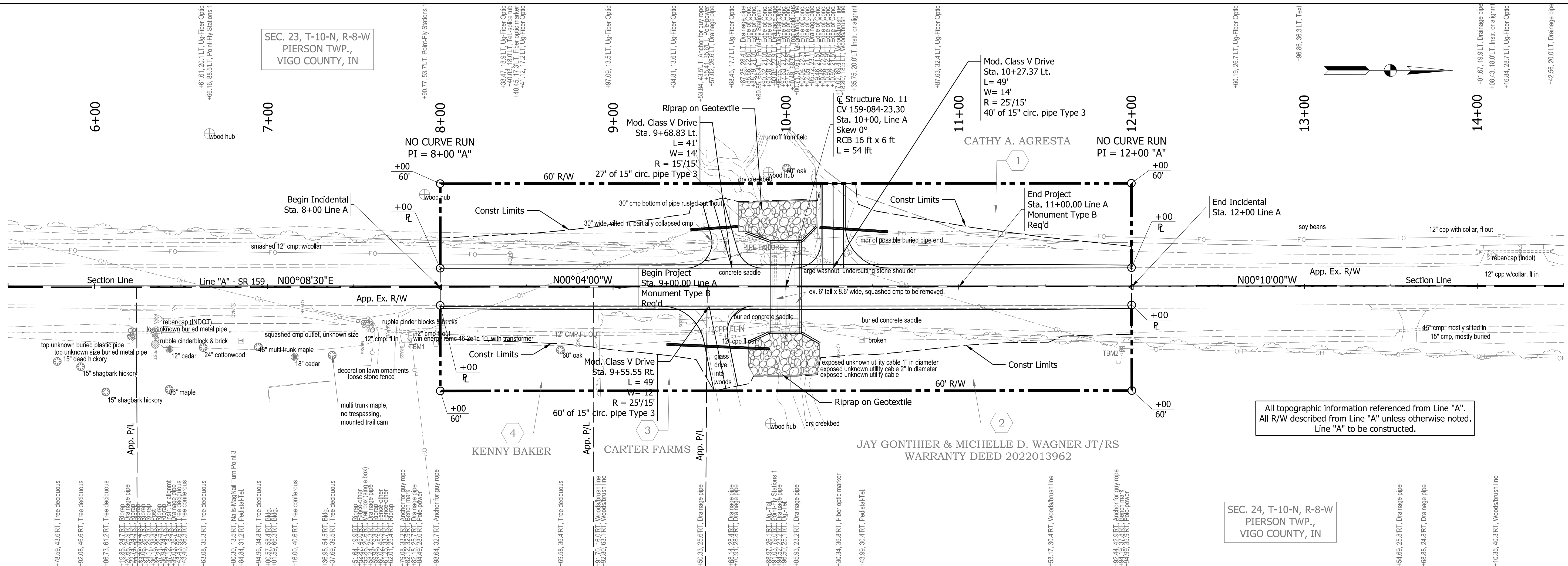
INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
DETOUR

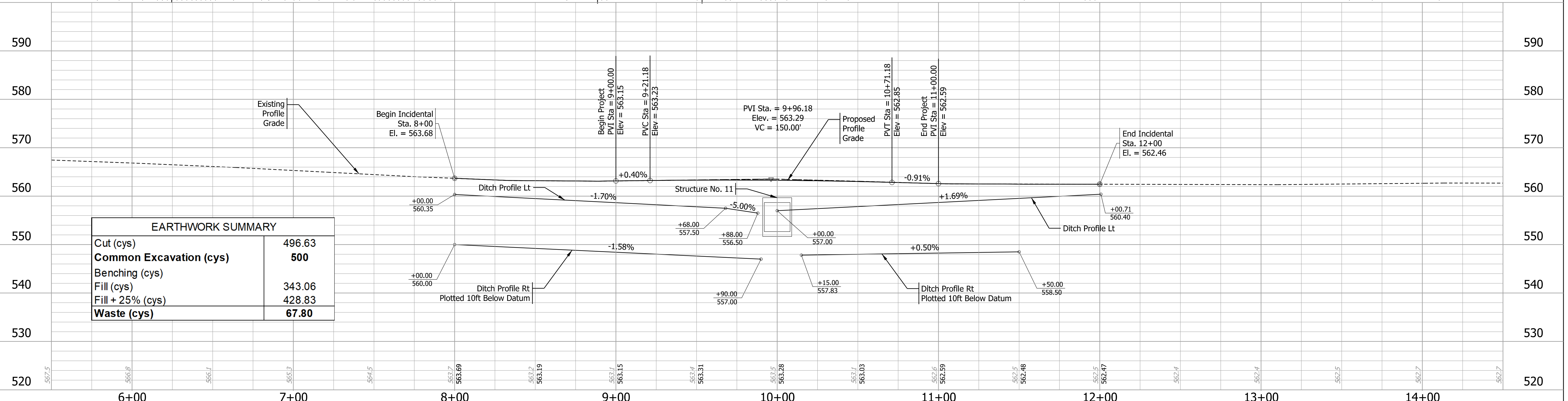
SCALE	BRIDGE FILE
AS NOTED	NA
	DESIGNATION
	2002197
	SHEETS
	6 of 14
CONTRACT	PROJECT
R-43428	200219700ST1

SEC. 23, T-10-N, R-8-W
PIERSON TWP.,
VIGO COUNTY, IN

SEC. 24, T-10-N, R-8-W
PIERSON TWP.,
VIGO COUNTY, IN



All topographic information referenced from Line "A".
All R/W described from Line "A" unless otherwise noted.
Line "A" to be constructed.



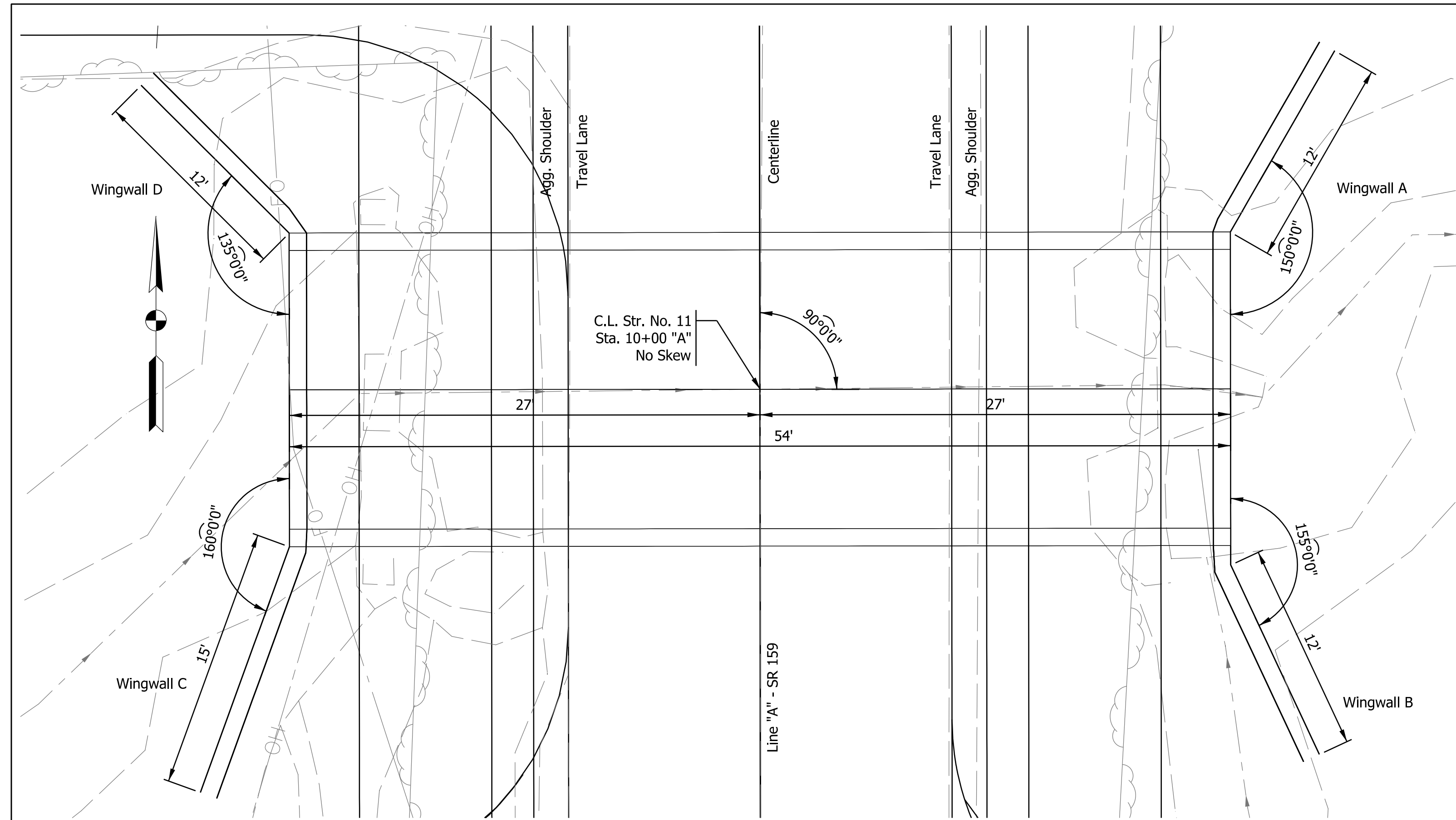
EARTHWORK SUMMARY	
Cut (cys)	496.63
Common Excavation (cys)	500
Benching (cys)	
Fill (cys)	343.06
Fill + 25% (cys)	428.83
Waste (cys)	67.80

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: EAA	May 2023	DRAWN: EAA
CHECKED: AKB	May 2023	CHECKED: AKB

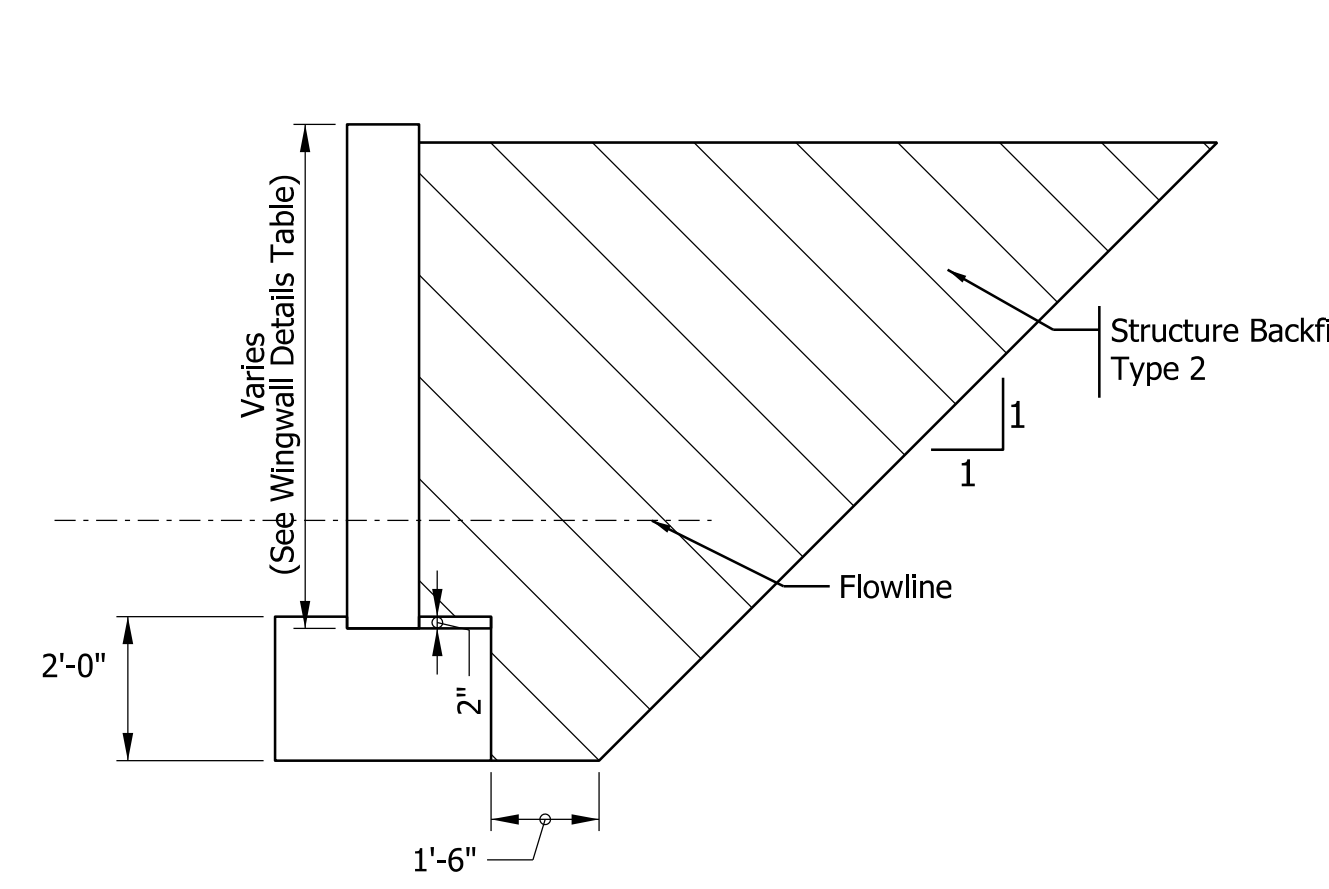
INDIANA DEPARTMENT OF TRANSPORTATION	
PLAN AND PROFILE	

SCALE H: 1" = 30'; V: 1" = 10'	BRIDGE FILE NA
SURVEY BOOK Electronic	SHEETS 7 of 14
CONTRACT R-43428	PROJECT 200219700ST1

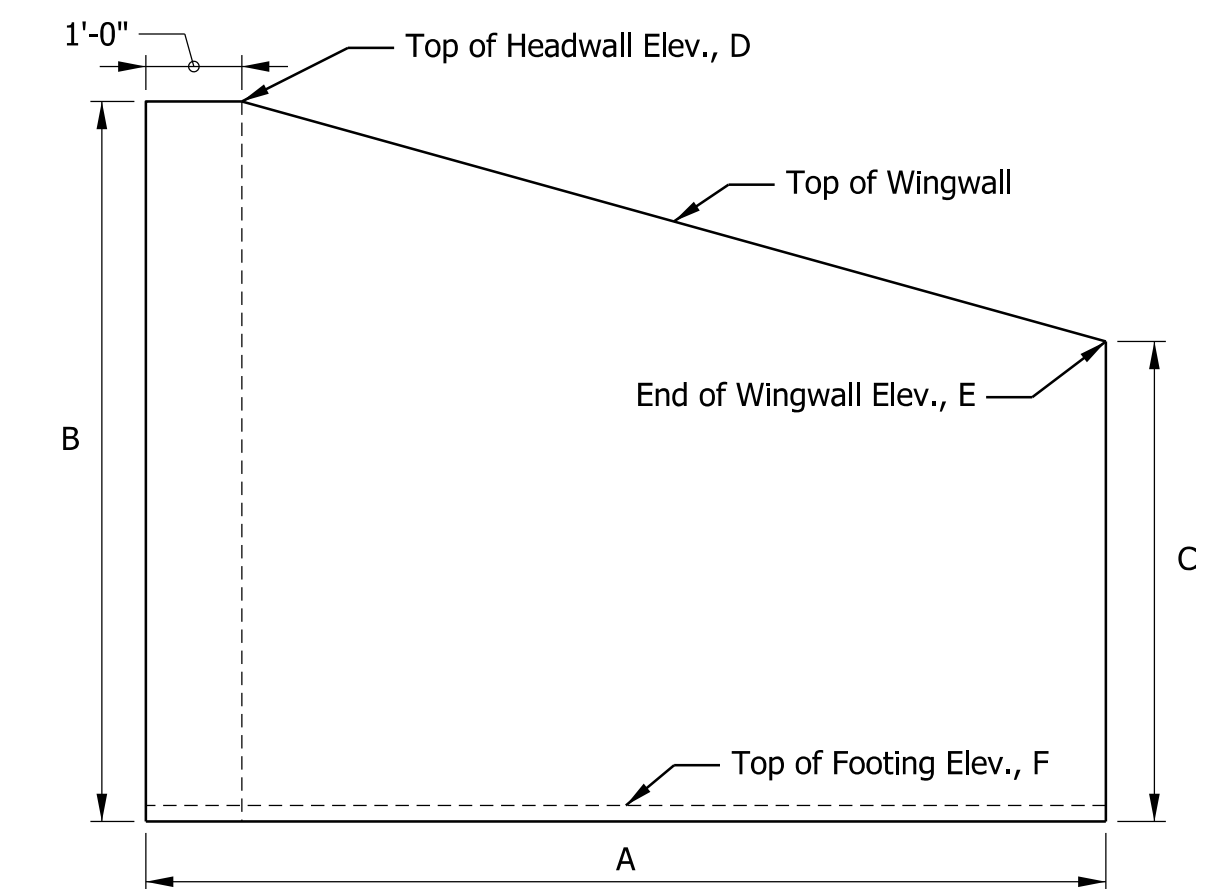
Plot: 6/22/2023 2:50 PM



Plan View
Scale: 1" = 5'

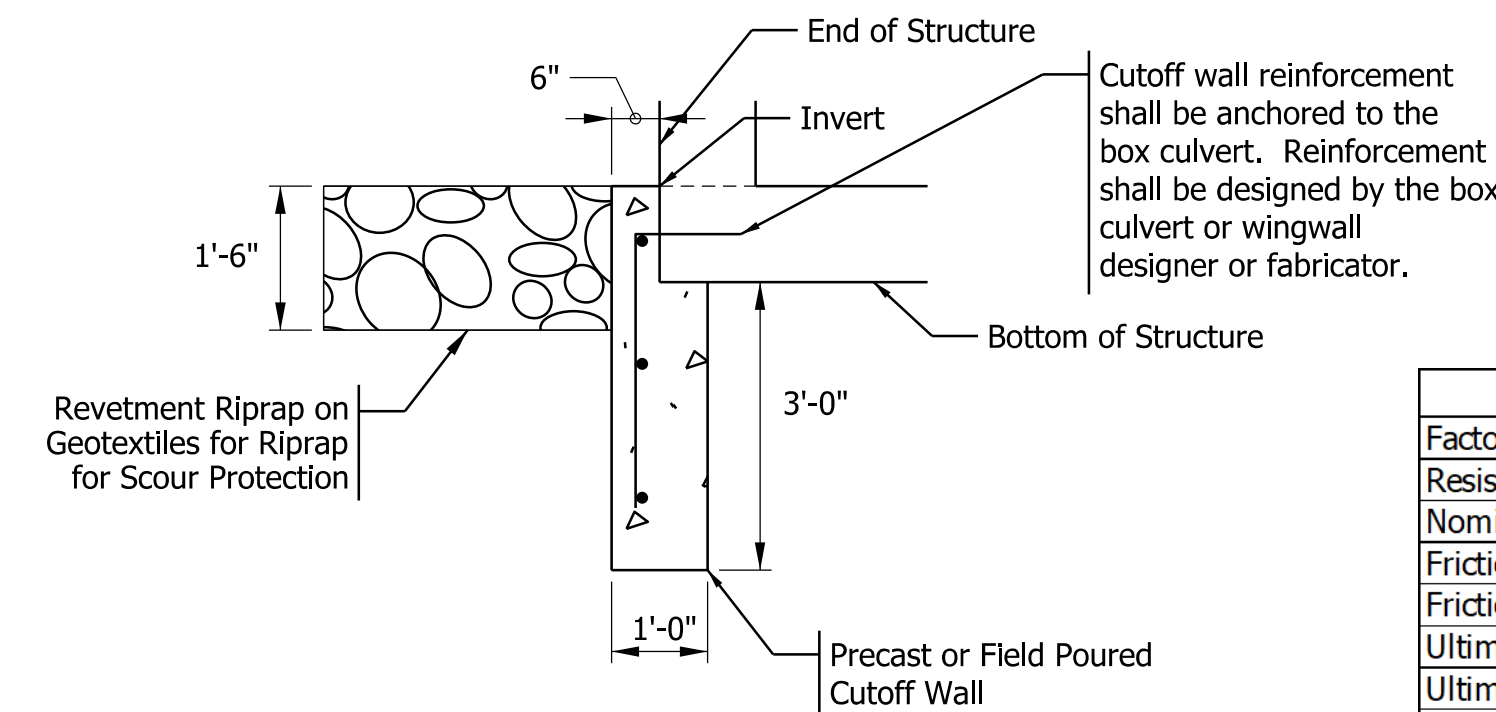


Wingwall Backfill Detail
No Scale



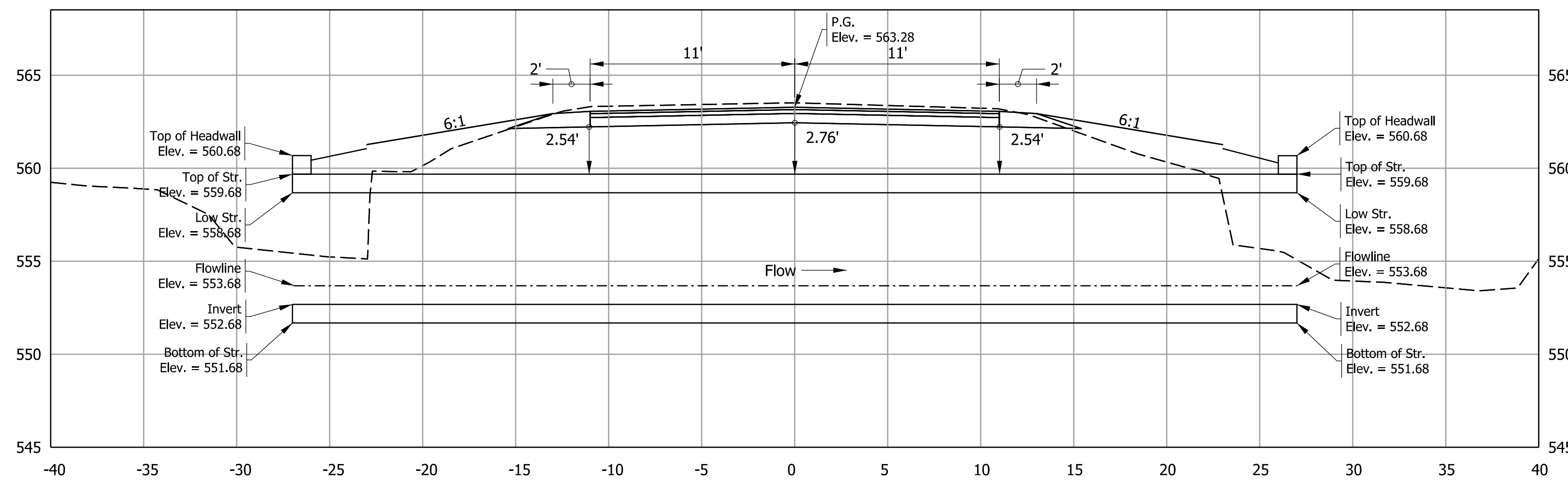
Wingwall Detail
No Scale

Wingwall	Dimensions			Elevations			Area (sft)
	A	B	C	D	E	F	
A	12' 0"	9' 0"	7' 10"	560.68	559.51	551.85	101.6
B	12' 0"	9' 0"	7' 2"	560.68	558.85	551.85	97.9
C	15' 0"	9' 0"	6' 10"	560.68	558.51	551.85	119.8
D	12' 0"	9' 0"	9' 0"	560.68	560.68	551.85	108.0
Total							427.3



Cutoff Wall Detail
Scale: 1/2" = 1'-0"

Soils Parameters For Wingwalls	
Factored Bearing Resistance (Qr)	2295 psf
Resistance Factor (Φ)	0.45
Nominal Bearing Resistance (Qn)	5100 psf
Friction Angle between Wingwall and Structure Backfill Type 2 (δ)	20°
Friction Factor between the Footing and Foundation Soil (f)	0.36
Ultimate Cohesion of the Foundation Soil (C)	NA
Ultimate Adhesion of the Foundation Soil (Ca)	NA
Angle of Internal Friction of the Foundation Soil (Φ)	30°



Profile View
Scale: 1" = 5'

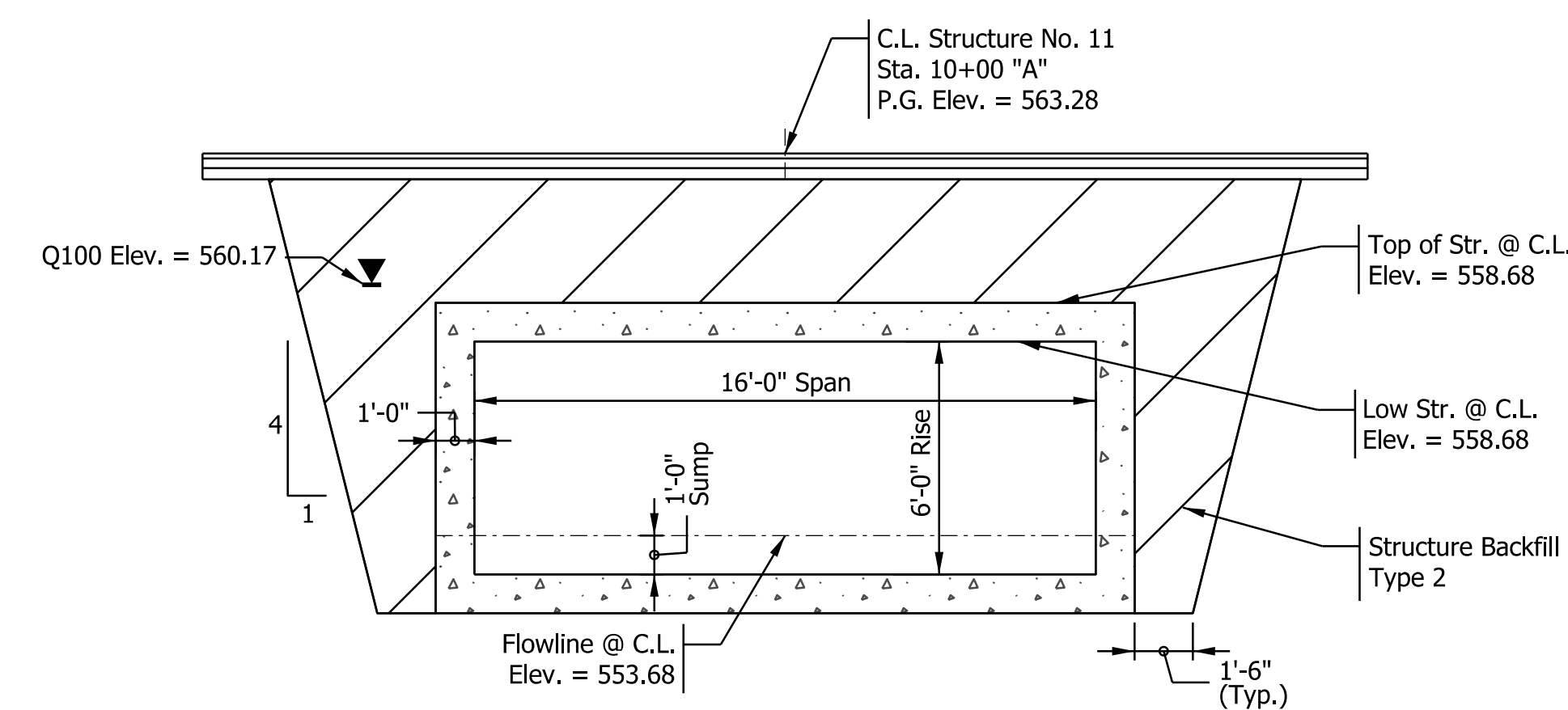
DESIGN DATA

A three-sided arch-topped or true-arch structure will not be permitted at this location.

Designed for HL-93 loading in accordance with AASHTO LRFD Bridge Design Specifications, 2017, and all subsequent interim specifications.

Dead load increased 35 psf for future wearing surface.

The Contractor shall field verify the flowline elevations to set the appropriate sump depth.



Elevation View
Scale: 1/4" = 1'-0"

HYDRAULIC DATA

Drainage Area	0.38 Sq. Mi.
Design Discharge, Q100	382 CFS
Outlet Velocity	4.22 FPS
Q100 Headwater Elevation	560.17 MSL
Backwater at Q100	0 Ft.
Existing Backwater	0 Ft.
Low Structure Elevation	559.32 MSL
Existing Low Structure Elevation	560.24 MSL

EXISTING STRUCTURE

CMPA Twin Pipes
(CV 159-084-23.30)
103 in. Span x 71 in. Rise

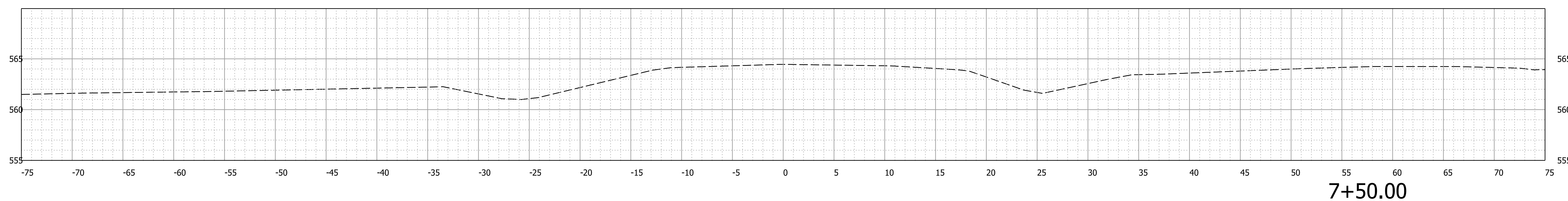
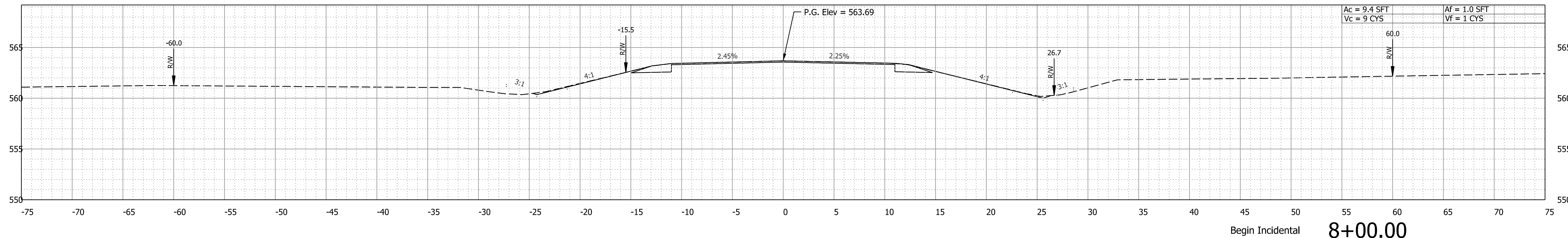
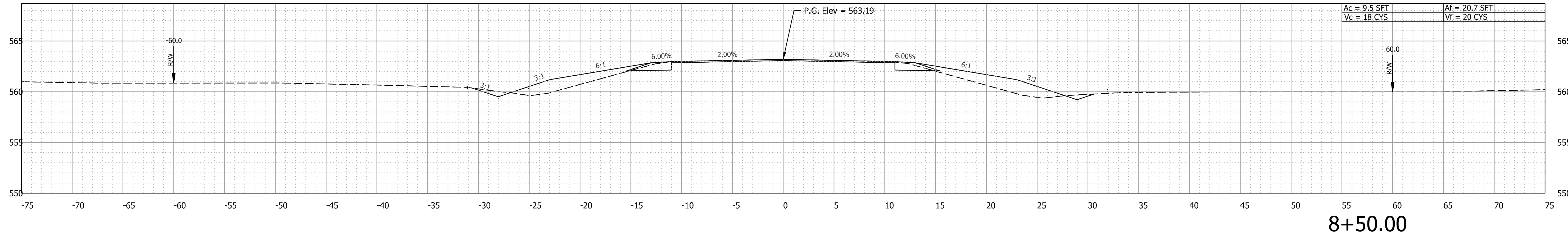
PROPOSED STRUCTURE

Precast Reinforced Concrete
Four-Sided Box Culvert with Wingwalls
16 ft Span x 6 ft Rise
0° Skew, 12 in. Sump,
Over UNT
On SR 159, Vigo County, IN

Plot: 6/22/2023 2:50 PM

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Model:RD_Detail Sheet_1

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE	BRIDGE FILE	
DESIGNED: EAA	May 2023	DRAWN: EAA		May 2023	AS NOTED	NA
CHECKED: AKB	May 2023	CHECKED: AKB		May 2023		DESIGNATION 2002197
			GENERAL PLAN	SHEETS		
				8 of 14		
				CONTRACT	PROJECT	
				R-43428	20021970021	



Plot: 6/22/2023 3:10 PM

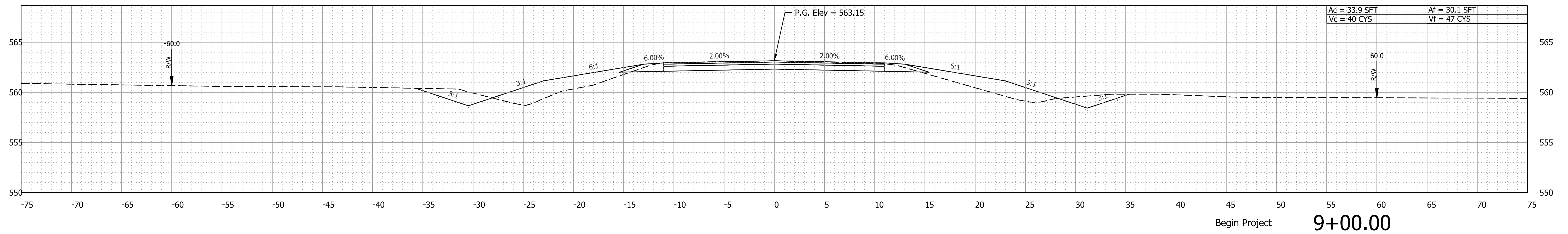
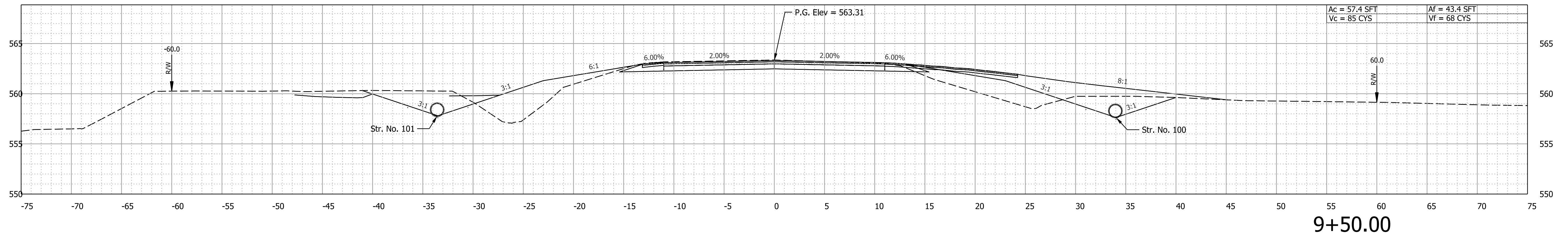
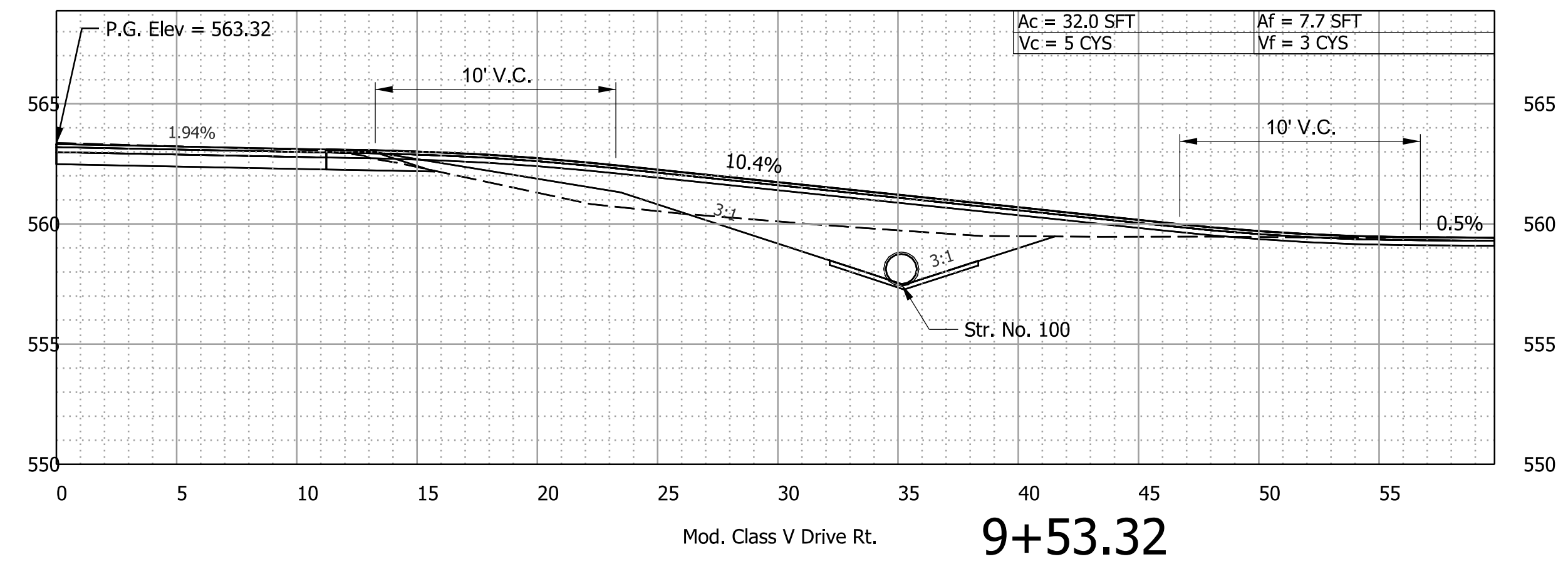
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: EAA	May 2023	DRAWN: EAA
CHECKED: AKB	May 2023	CHECKED: AKB

INDIANA
DEPARTMENT OF TRANSPORTATION

**CROSS SECTIONS
SR 159 - LINE "A"**

SCALE 1" = 5'	BRIDGE FILE NA
	DESIGNATION 2002197
SURVEY BOOK	SHEETS 10 of 14
CONTRACT R-43428	PROJECT 200219700ST1



Plot: 6/22/2023 3:11 PM

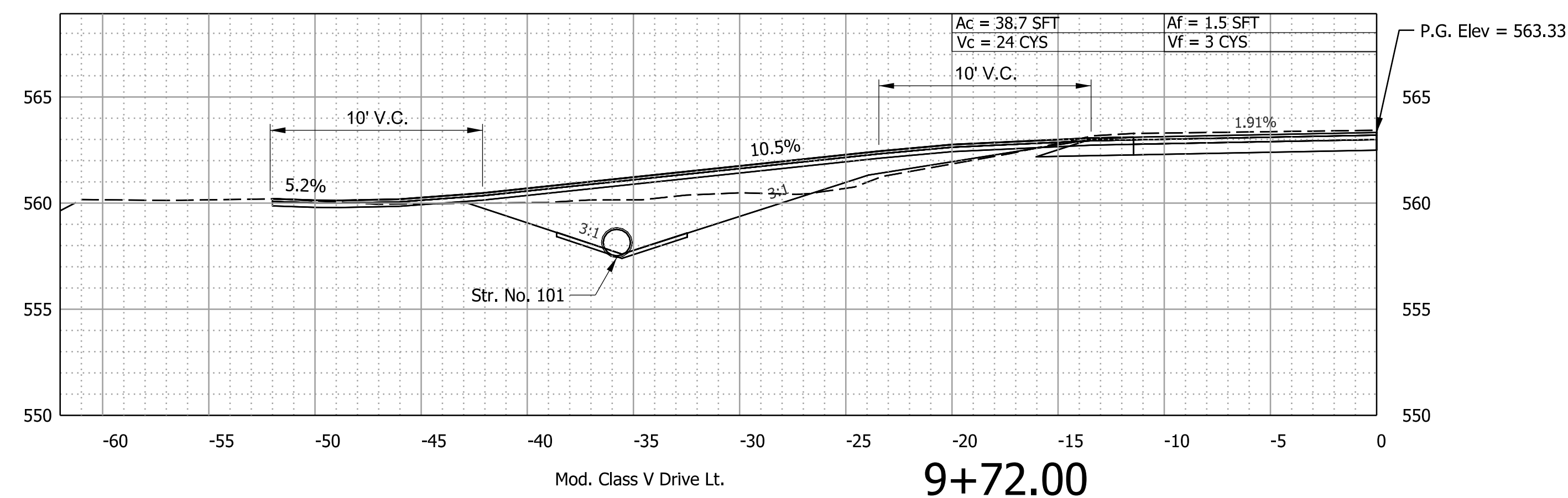
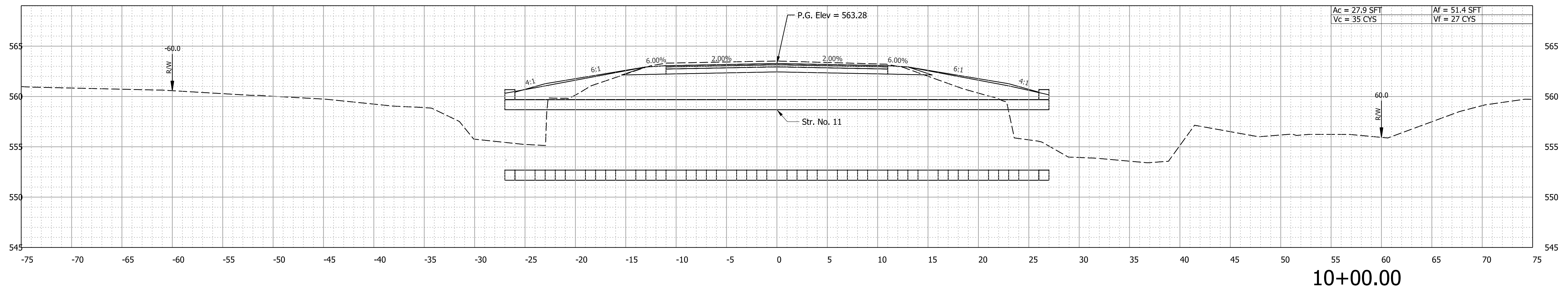
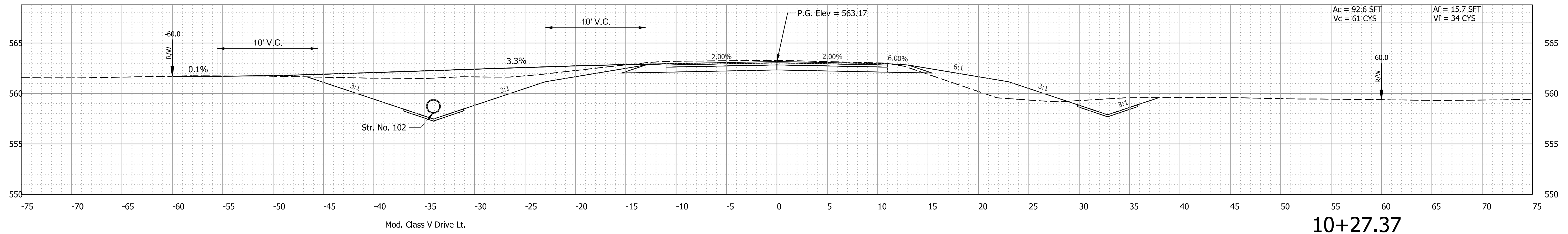
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: EAA	May 2023	DRAWN: EAA
May 2023		May 2023
CHECKED: AKB	May 2023	CHECKED: AKB
		May 2023

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
SR 159 - LINE "A"

SCALE	BRIDGE FILE
1" = 5'	NA
	DESIGNATION
	2002197
SURVEY BOOK	SHEETS
	11 of 14
CONTRACT	PROJECT
R-43428	200219700ST1



Plot: 6/22/2023 3:12 PM

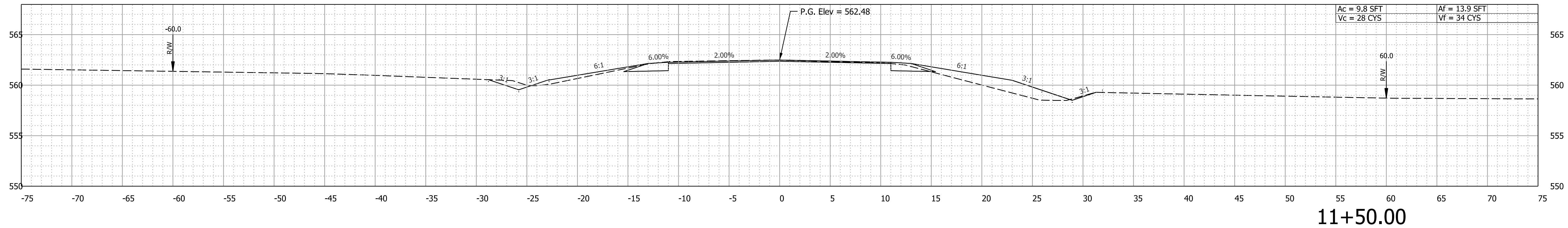
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: EAA	May 2023	DRAWN: EAA
CHECKED: AKB	May 2023	CHECKED: AKB

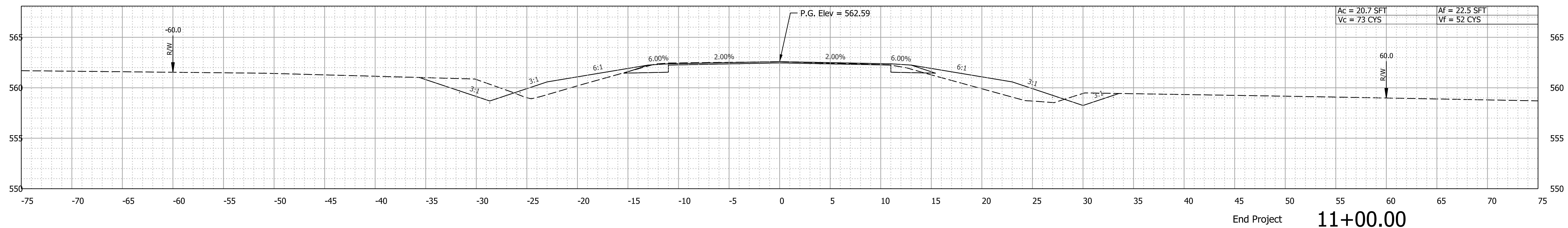
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
SR 159 - LINE "A"

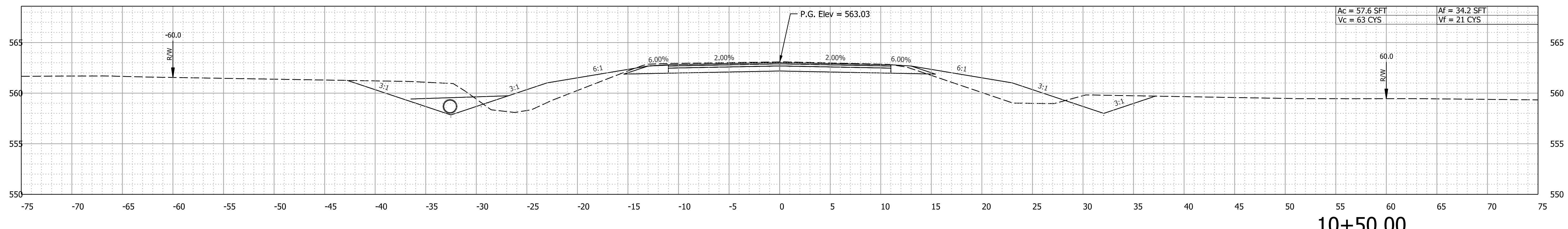
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	DESIGNATION 2002197
SURVEY BOOK	SHEETS 12 of 14
CONTRACT R-43428	PROJECT 2002197005T1



11+50.00



End Project 11+00.00



10+50.00

Plot: 6/22/2023 3:12 PM

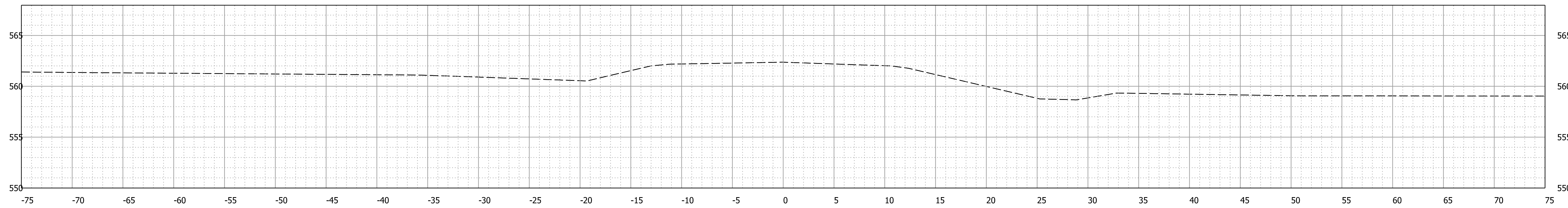
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: EAA	May 2023	DRAWN: EAA
May 2023		May 2023
CHECKED: AKB	May 2023	CHECKED: AKB
		May 2023

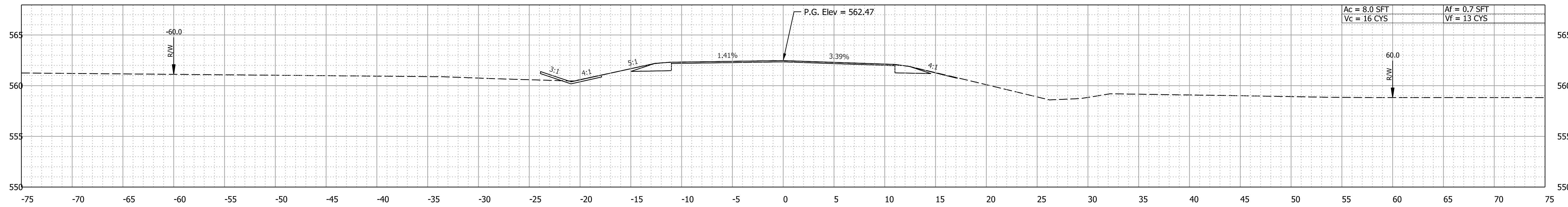
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
SR 159 - LINE "A"

SCALE	BRIDGE FILE
1" = 5'	NA
	DESIGNATION
	2002197
SURVEY BOOK	SHEETS
	13 of 14
CONTRACT	PROJECT
R-43428	2002197005T1



12+50.00



End Incidental 12+00.00

Plot: 6/22/2023 3:13 PM

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RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____		DATE _____	
DESIGNED: EAA	May 2023	DRAWN: EAA	May 2023		
CHECKED: AKB	May 2023	CHECKED: AKB	May 2023		

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
SR 159 - LINE "A"

SCALE 1" = 5'	BRIDGE FILE NA
	DESIGNATION 2002197
SURVEY BOOK	SHEETS 14 of 14
CONTRACT R-43428	PROJECT 200219700ST1