

PROJECT	DESIGNATION
2003041	2003041
CONTRACT	BRIDGE FILE
B-44107	64-00066 B

STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
64-00066 B	Composite Prestressed Concrete Box Beam	1 Span @ 61'-0" Skew: 25° Lt.	Phillips Ditch	56+51.57 Line "A"

PFC Plans
December 12, 2022

APPROVED BY:
PORTER COUNTY BOARD OF COMMISSIONERS

Jeff Good, President _____ DATE

Laura Shurr Blaney, Vice-President _____ DATE

Jim Biggs, Secretary _____ DATE

ATTEST BY:
PORTOR COUNTY AUDITOR

Vicki Urbanik, County Auditor _____ DATE

RECOMMENDED FOR APPROVAL BY:
PORTER COUNTY DEPARTMENT OF DEVELOPMENT AND STORM WATER MANAGEMENT

Robert Thompson, AICP, Director and Employee in Responsible Charge _____ DATE



INDIANA DEPARTMENT OF TRANSPORTATION



BRIDGE PLANS

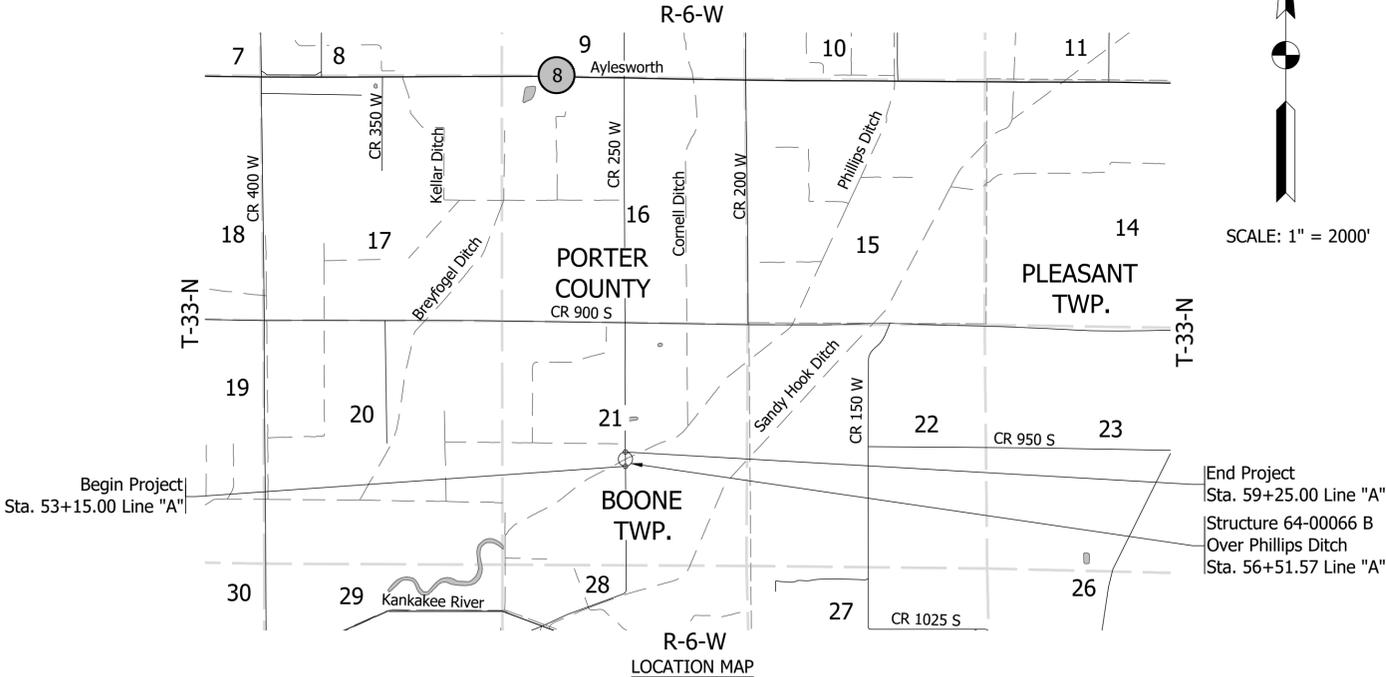
FOR SPANS OVER 20 FEET

ROUTE: IR 7702 AT: PHILLIPS DITCH

PROJECT NO. 2003041 P.E.
2003041 R/W
2003041 CONST.

ADDITIONAL RIGHT-OF-WAY
REQUIRED FOR THIS PROJECT

Bridge Replacement on IR 7702, County Road 250 West over Phillips Ditch
Located Approximately 1.50 Miles South of SR 8 in
Section 21, T-33-N, R-6-W, Boone Township, Porter County

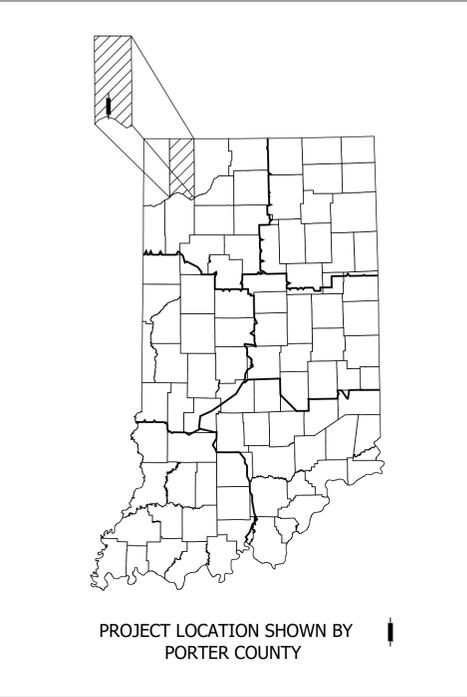


TRAFFIC DATA

A.A.D.T. (2026)	868 V.P.D.
A.A.D.T. (2046)	1059 V.P.D.
D.H.V (2046)	111 V.P.H.
DIRECTIONAL DISTRIBUTION	50%
TRUCKS	18.1% A.A.D.T. 11.1% D.H.V.

DESIGN DATA

DESIGN SPEED	45 M.P.H.
PROJECT DESIGN CRITERIA	3R (Non-Freeway)
FUNCTIONAL CLASSIFICATION	RURAL MAJOR COLLECTOR
RURAL/URBAN	RURAL (SUBURBAN)
TERRAIN	LEVEL
ACCESS CONTROL	NONE



LATITUDE: 41° 17' 43" LONGITUDE: 87° 06' 46"

BRIDGE LENGTH:	0.012	MI.
ROADWAY LENGTH:	0.104	MI.
TOTAL LENGTH:	0.116	MI.
MAX. GRADE:	2.23	%

HUC 12: 071200011009

PLANS PREPARED BY: LOCHMUELLER GROUP, INC. (574) 334-5460 PHONE NUMBER

CERTIFIED BY: COVERING BRIDGE DESIGN, REGISTERED PROFESSIONAL ENGINEER STATE OF INDIANA NO. ----- --/--/--

CERTIFIED BY: COVERING ROADWAY DESIGN, REGISTERED PROFESSIONAL ENGINEER STATE OF INDIANA NO. ----- --/--/--

APPROVED FOR LETTING: INDIANA DEPARTMENT OF TRANSPORTATION --/--/--

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2022
TO BE USED WITH THESE PLANS

BRIDGE FILE	
64-00066 B	
DESIGNATION	
2003041	
SURVEY BOOK	SHEETS
ELECTRONIC	1 of 24
CONTRACT	PROJECT
B-44107	2003041

Date: Sep 07, 2023, 1:04pm User Name: NGeer File: X:\Production\Files\2021\21-3037\40-D-01\040\Plans\Title Sheet Porter No.66.dwg

UTILITIES

TELEPHONE:

NORTHWESTERN INDIANA TELEPHONE COMPANY
 DON SCHOENBECK
 PO BOX 67
 HEBRON, IN 46341
 219-996-0216

ELECTRIC:

KANKAKEE VALLEY R.E.M.C.
 JACOB BAILEY
 P.O. BOX 157
 WANATAH, IN 46390
 (219) 733-2511
 WORKORDERS@KVREMC.COM



Know what's below.
 Call before you dig.

NOTE TO REVIEWER:

UTILITY INFORMATION WILL BE UPDATED UPON
 COMPLETION OF UTILITY COORDINATION.

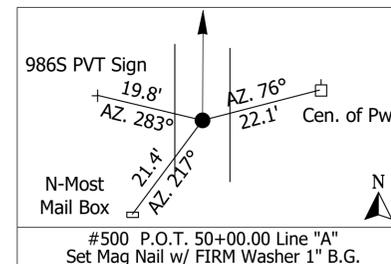
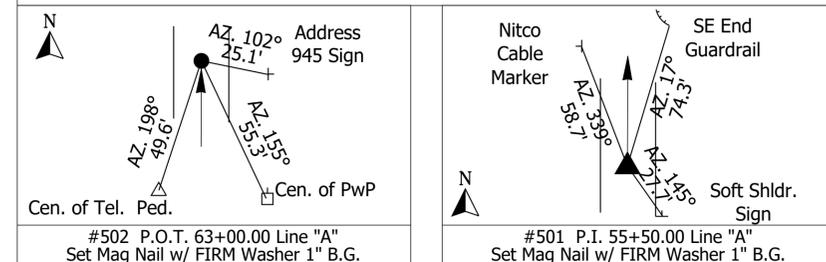
SHEET NO.	SUBJECT
1	TITLE SHEET
2	INDEX
3	TYPICAL CROSS SECTIONS
4	PLAT NO. 1
5	MAINTENANCE OF TRAFFIC
6 - 7	PLAN AND PROFILE
8 - 9	LAYOUT
10 - 11	GENERAL PLAN
12	BRIDGE SUMMARY
13	ROAD SUMMARY
14 - 24	CROSS SECTIONS

GENERAL NOTES

REVISIONS

SHEET NO.	DATE	REVISED

SURVEY REFERENCE TIES



COORDINATE LISTING: RANDOM CONTROL POINTS

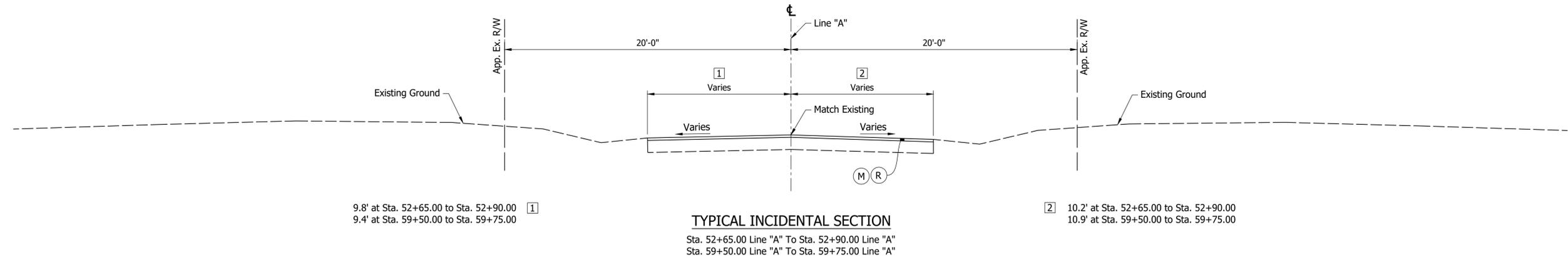
PT. #	NORTHING	EASTING	DESCRIPTION
1400	335024.900	783650.131	SET MAG WITH REF WASHER RECESSED
1401	335098.301	783875.988	SET 3/4" REBAR W/ REF CAP FLUSH
6407	335683.795	783928.339	FND. REBAR W/ DECKARD CAP #20400021 FLUSH (SHOWN AS PROP. COR.)

COORDINATE LISTING: PROPERTY AND SECTION CORNER EVIDENCE FOUND

PT. #	NORTHING	EASTING	DESCRIPTION
6400	338073.702	783881.720	FND. HARRISON MARKER FLUSH
6401	336746.894	783902.722	FND. 1" OD I.P.I.PE 15" UP
6402	333556.071	783928.831	FND. REBAR W/ BENGAL CAP #12226 FLUSH (NOT SHOWN)
6403	333656.002	783928.133	FND. PINCH TOP PIPE 2" BG (NOT SHOWN)
6404	333102.453	783938.811	FND. PINCH TOP PIPE FLUSH
6405	335420.726	783928.216	FND. 1.5" OD I.P.I.PE 6" BG
6406	335423.764	783933.330	FND. REBAR W/ DECKARD CAP #20400021 FLUSH
6407	335683.795	783928.339	FND. REBAR W/ DECKARD CAP #20400021 FLUSH
6408	336083.832	783920.440	FND. 1.5" OD I.P.I.PE FLUSH

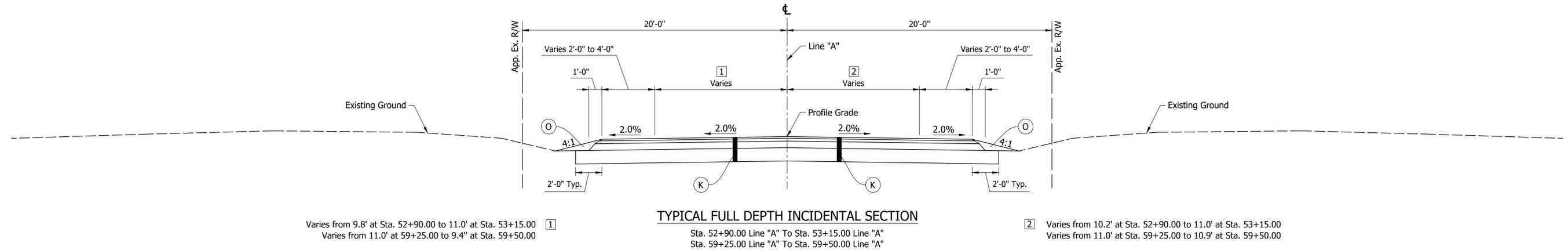
INDIANA DEPARTMENT OF TRANSPORTATION INDEX	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">HORIZONTAL SCALE</td> <td style="width: 50%;">BRIDGE FILE</td> </tr> <tr> <td>N/A</td> <td>64-00066 B</td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>N/A</td> <td>2003041</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEETS</td> </tr> <tr> <td>ELECTRONIC</td> <td style="text-align: center;">2 of 24</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>B-44107</td> <td>2003041</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	N/A	64-00066 B	VERTICAL SCALE	DESIGNATION	N/A	2003041	SURVEY BOOK	SHEETS	ELECTRONIC	2 of 24	CONTRACT	PROJECT	B-44107	2003041
HORIZONTAL SCALE	BRIDGE FILE																
N/A	64-00066 B																
VERTICAL SCALE	DESIGNATION																
N/A	2003041																
SURVEY BOOK	SHEETS																
ELECTRONIC	2 of 24																
CONTRACT	PROJECT																
B-44107	2003041																

RECOMMENDED FOR APPROVAL _____	DATE --/--/--
DESIGN ENGINEER	DATE
DESIGNED: _____ NB _____	DRAWN: _____ NCG _____
CHECKED: _____ EJJ _____	CHECKED: _____ NB _____



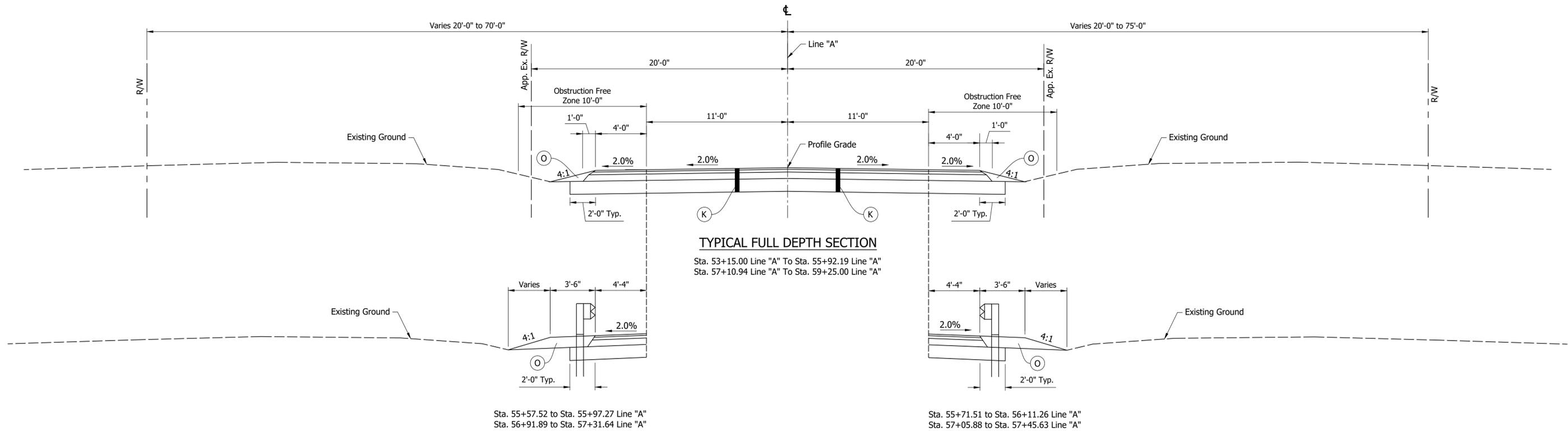
1 9.8' at Sta. 52+65.00 to Sta. 52+90.00
 9.4' at Sta. 59+50.00 to Sta. 59+75.00

2 10.2' at Sta. 52+65.00 to Sta. 52+90.00
 10.9' at Sta. 59+50.00 to Sta. 59+75.00



1 Varies from 9.8' at Sta. 52+90.00 to 11.0' at Sta. 53+15.00
 Varies from 11.0' at Sta. 59+25.00 to 9.4' at Sta. 59+50.00

2 Varies from 10.2' at Sta. 52+90.00 to 11.0' at Sta. 53+15.00
 Varies from 11.0' at Sta. 59+25.00 to 10.9' at Sta. 59+50.00



1 Sta. 55+57.52 to Sta. 55+97.27 Line "A"
 Sta. 56+91.89 to Sta. 57+31.64 Line "A"

2 Sta. 55+71.51 to Sta. 56+11.26 Line "A"
 Sta. 57+05.88 to Sta. 57+45.63 Line "A"

- (K) 165 LB/SYS QC/QA HMA, 3, 64, Surface 9.5mm on 275 LB/SYS QC/QA HMA, 3, 64, Intermediate 19.0mm on 660 LB/SYS QC/QA HMA, 3, 64, Base 25.0mm on Subgrade Treatment, Type IC on Geotextile for Pavement Type 2B
- (M) Milling, Asphalt, 1 1/2 IN.

- (R) 165 LB/SYS QC/QA HMA, 3, 64, Surface 9.5 mm
- (O) Compacted Aggregate No. 53

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JAG	DRAWN: JAG	
CHECKED: BSS	CHECKED: BSS	

INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'-0"	64-00066 B
VERTICAL SCALE	DESIGNATION
N/A	2003041
SURVEY BOOK	SHEET
ELECTRONIC	3 of 24
CONTRACT	PROJECT
B-44107	2003041



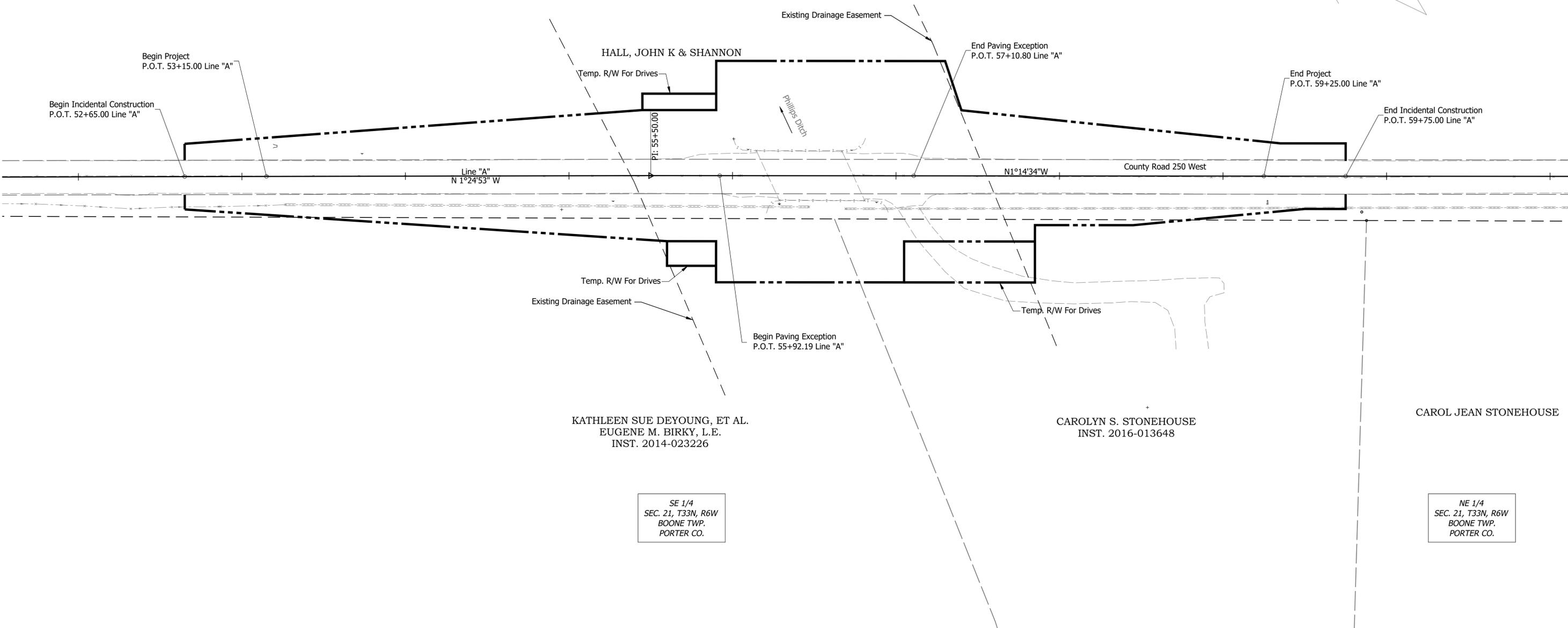
SW 1/4
SEC. 21, T33N, R6W
BOONE TWP.
PORTER CO.

NW 1/4
SEC. 21, T33N, R6W
BOONE TWP.
PORTER CO.

SE 1/4
SEC. 21, T33N, R6W
BOONE TWP.
PORTER CO.

NE 1/4
SEC. 21, T33N, R6W
BOONE TWP.
PORTER CO.

52+00 53+00 54+00 55+00 56+00 57+00 58+00 59+00 60+00 61+00



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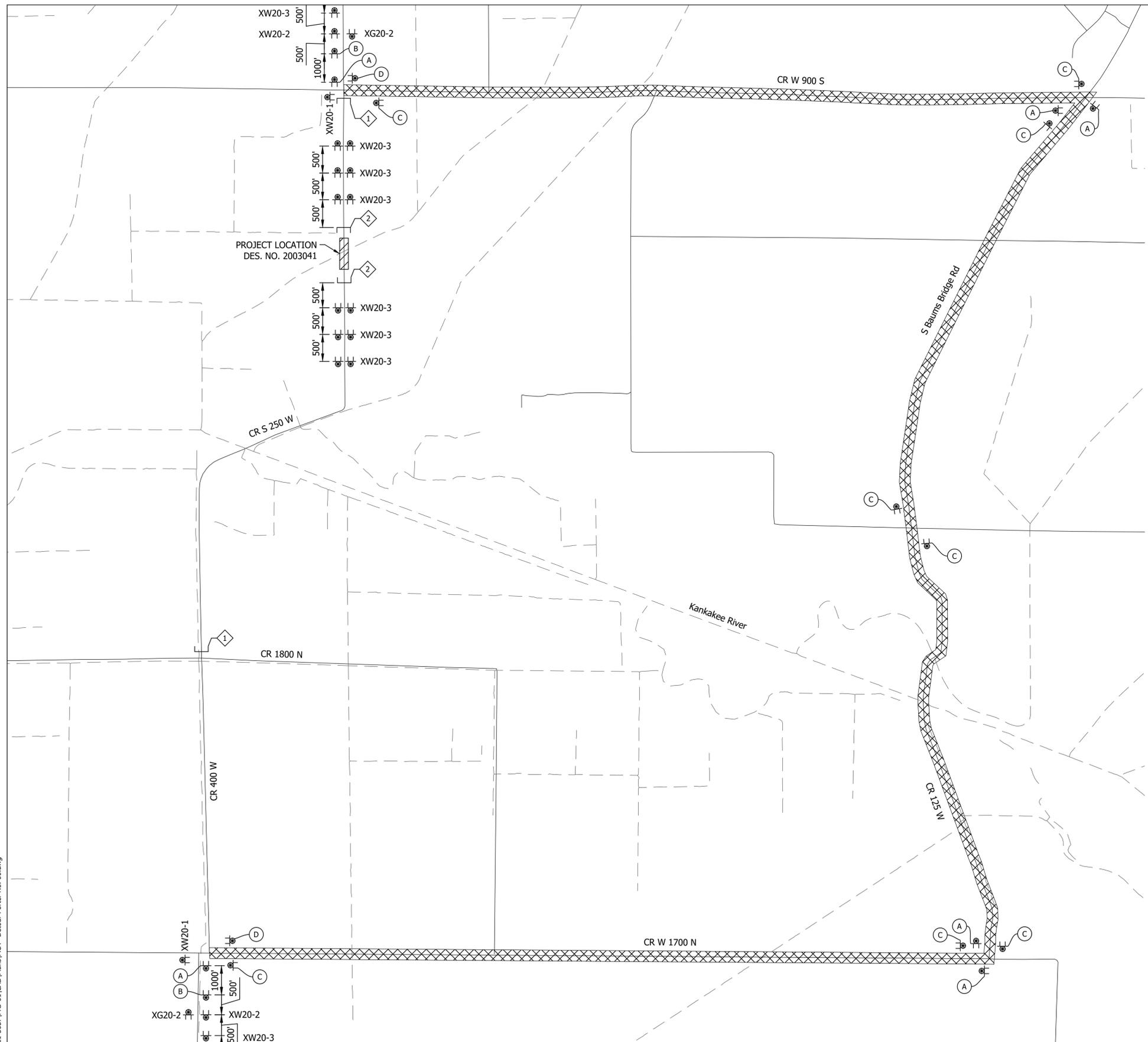
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	--/--/--	DATE
DESIGNED: JAG	DRAWN: JAG		
CHECKED: BSS	CHECKED: BSS		

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAT NO. 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	64-00066 B
VERTICAL SCALE	DESIGNATION
N/A	2003041
SURVEY BOOK	SHEET
ELECTRONIC	4 of 24
CONTRACT	PROJECT
B-44107	2003041

Date: Sep 07, 2023, 1:05pm User Name: NGreer
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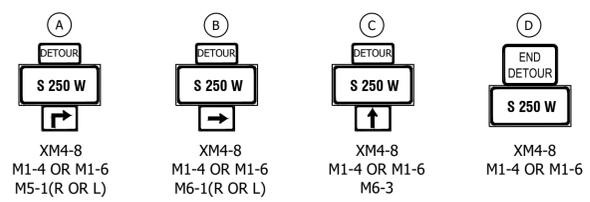
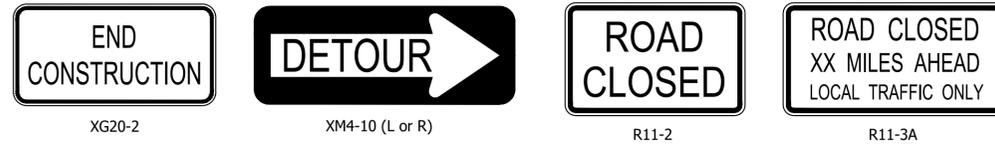
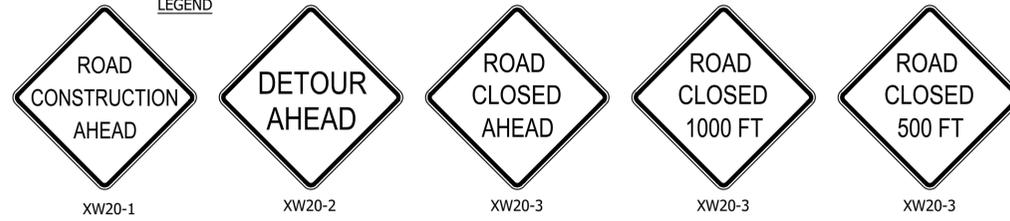


CONSTRUCTION SIGN SCHEDULE					
	DESCRIPTION	SIZE (IN)	TYPE	QUANTITY	
R11-2	"ROAD CLOSED" SIGN	48 x 30	(1)	2	
R11-3A	"ROAD CLOSED XX MILES AHEAD" SIGN	60 x 30	(1)	2	
XM4-10 (L or R)	"DETOUR" SIGN	48 x 18	(1)	2	
XW20-1	"ROAD CONSTRUCTION AHEAD" SIGN	48 x 48	A	2	
XW20-2	"DETOUR AHEAD" SIGN	48 x 48	A	2	
XW20-3	"ROAD CLOSED AHEAD" SIGN	48 x 48	A	14	
XG20-2	"END CONSTRUCTION" SIGN	36 x 18	B	2	
				TOTAL TYPE "A" SIGNS	18
				TOTAL TYPE "B" SIGNS	2

Detour Route Marker Assemblies: 18 Req'd
 Road Closure Sign Assemblies: 4 Req'd
 Type III-A Barricades: 48 Lft.
 Type III-B Barricades: 24 Lft.

(1) Included with road closure sign assembly.

LEGEND



- 1 Road Closure Sign Assembly w/ Type III-B Barricade (12 Lft.) and R11-3A and XM4-10 (L or R)
- 2 Road Closure Sign Assembly w/ Type III-A Barricade (24 Lft.) and R11-2

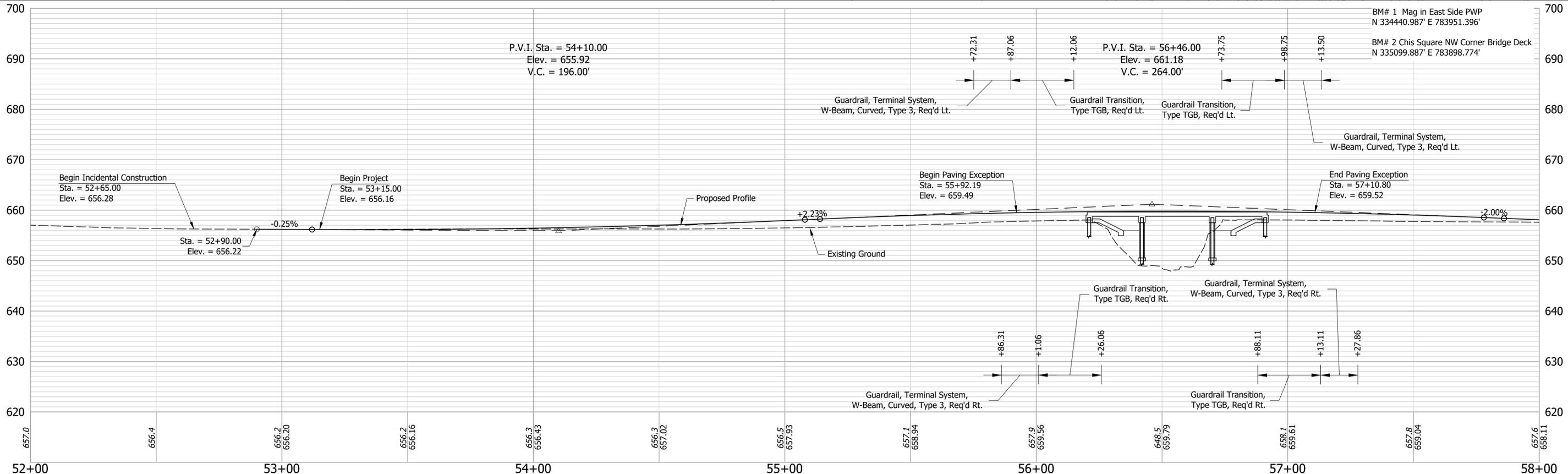
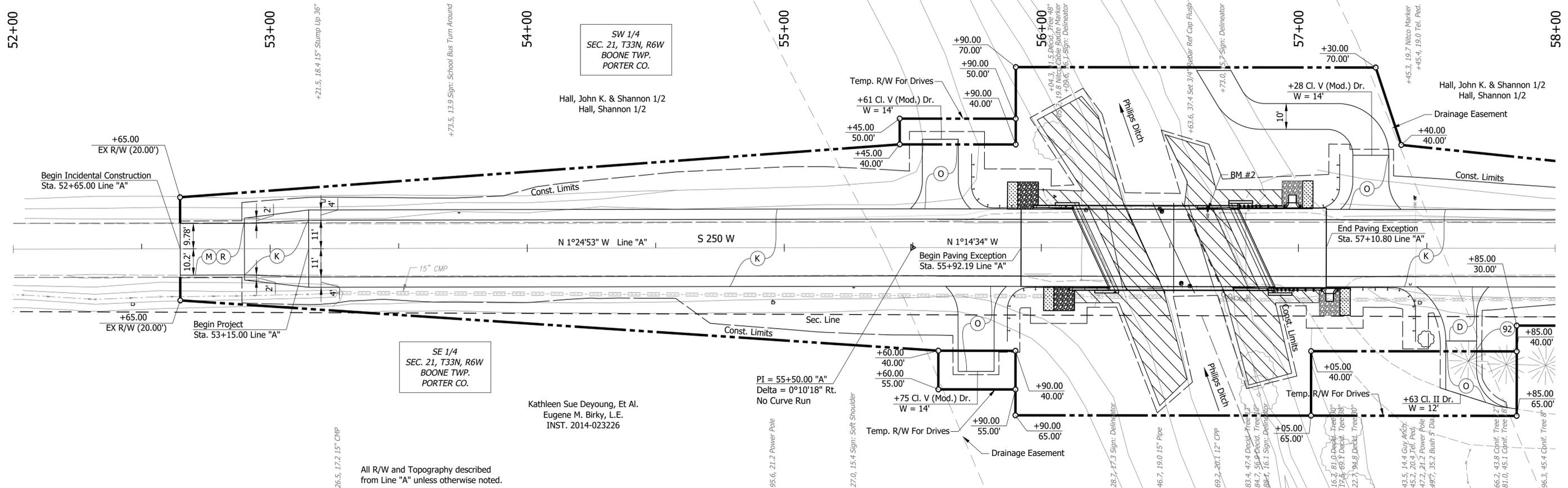
Construction Zone
 Detour Route

GENERAL NOTES

- All maintenance of traffic devices, signs and pavement markings shall conform to the latest edition of the Indiana MUTCD.
- See INDOT Std. Drwg. 801-TCDD-01 for sign spacing requirements and additional notes.
- See INDOT Std. Drwg. 801-TCLG-01 for standard notes.
- Type B construction warning lights shall be used with all signs located on barricades. Type A construction warning lights shall be used on all other construction signs.

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 1000'	BRIDGE FILE 64-00066 B
	DESIGNED: DJM	DRAWN: DJM		MAINTENANCE OF TRAFFIC DETOUR	VERTICAL SCALE N/A
CHECKED: BSS	CHECKED: BSS			SURVEY BOOK ELECTRONIC	SHEET 5 of 24
				CONTRACT B-44107	PROJECT 2003041

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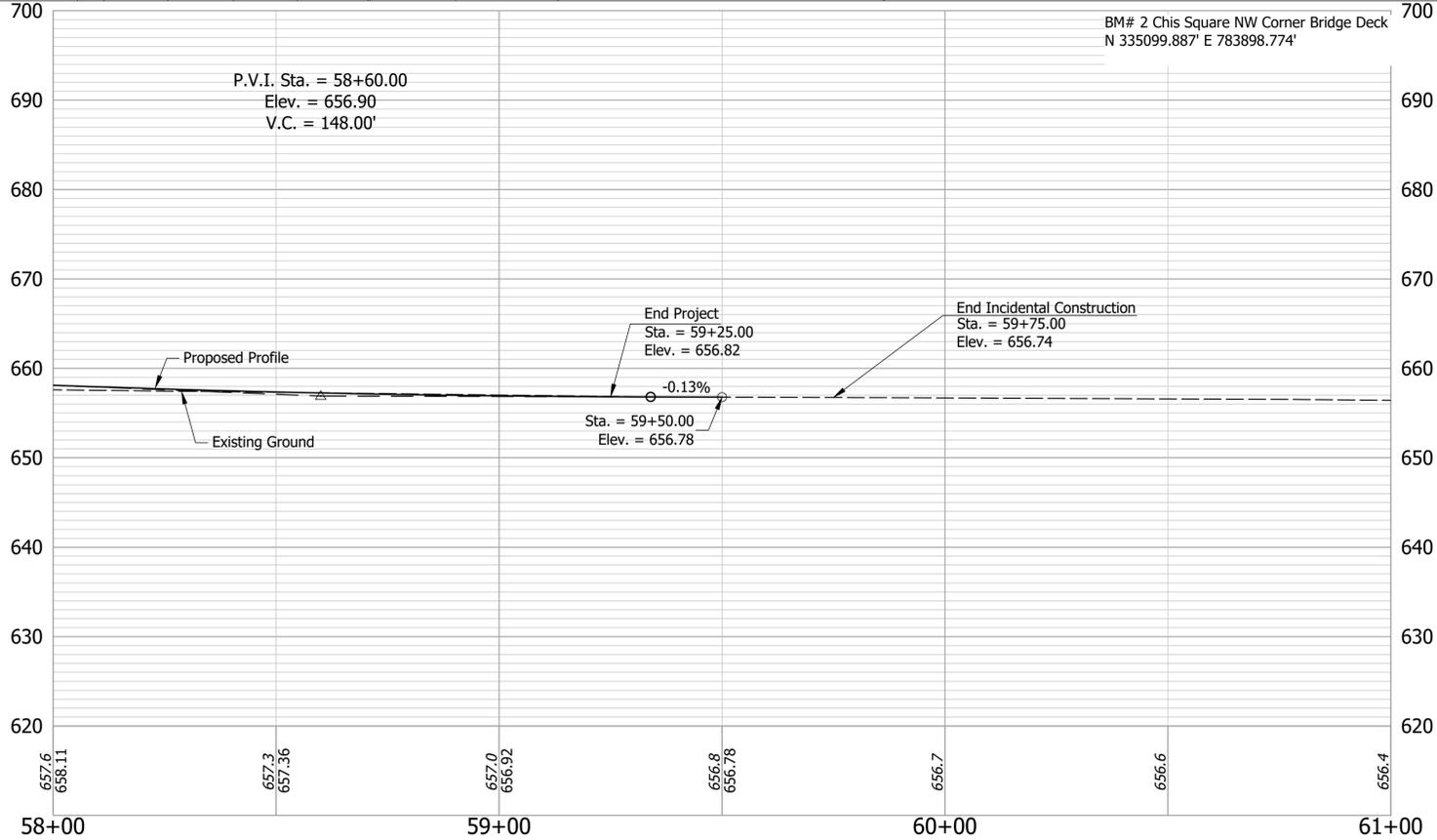
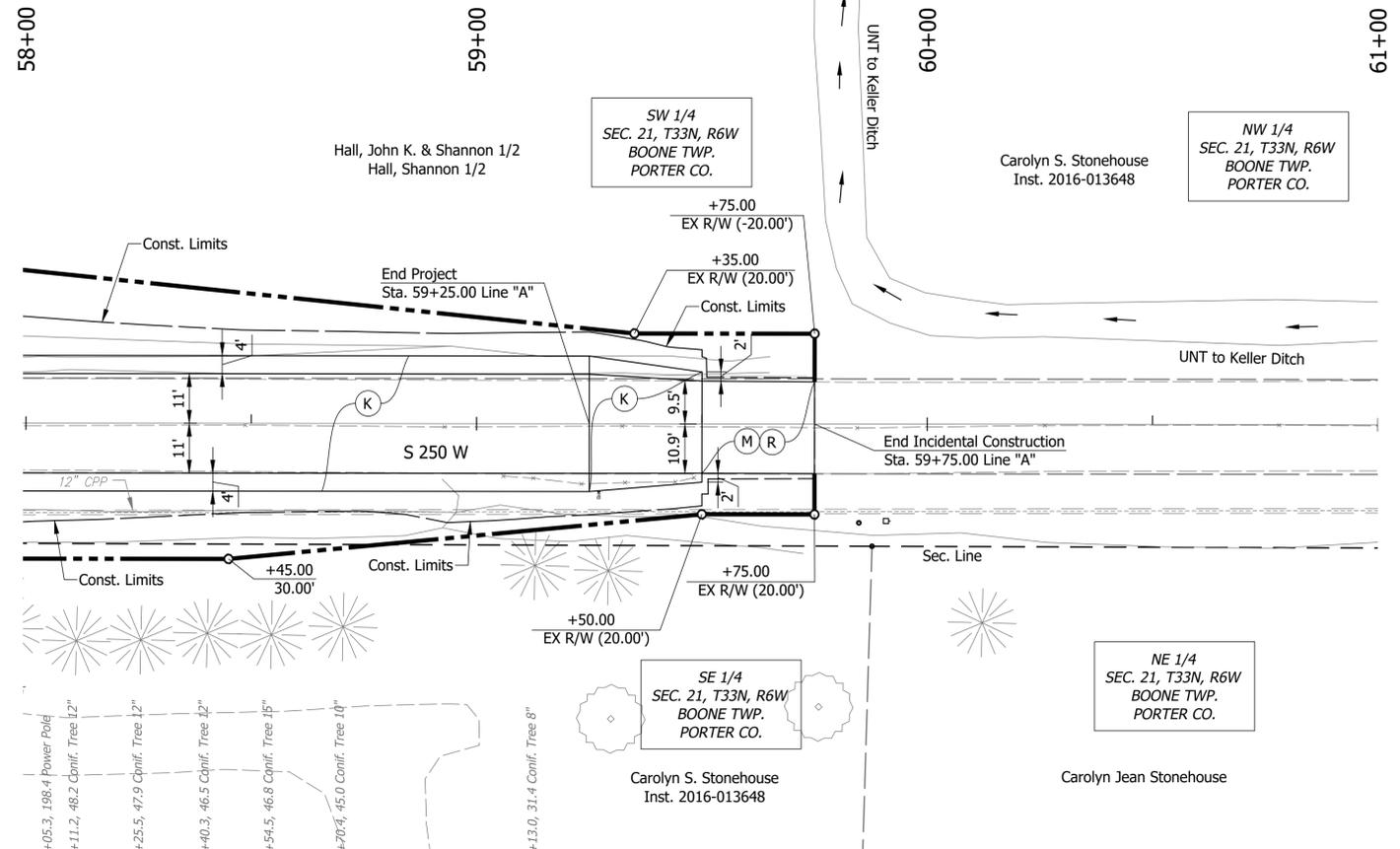
- (D) HMA for Approaches, Type B
 165 lbs/syd HMA Surface Type B on
 385 lbs/syd HMA Intermediate Type B on
 Subgrade Treatment Type II
- (K) 165 LB/SYS QC/QA HMA, 3, 64, Surface 9.5mm on
 275 LB/SYS QC/QA HMA, 3, 64, Intermediate 19.0mm on
 660 LB/SYS QC/QA HMA, 3, 64, Base 25.0mm on
 Subgrade Treatment, Type IC on Geotextile for Pavement Type 2B
- (M) Milling, Asphalt, 1 1/2 IN.
- (O) Compacted Aggregate No. 53
- (R) 165 LB/SYS QC/QA HMA, 3, 64, Surface 9.5 mm
- (92) Tree, Remove

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MMT	DRAWN: MMT	
CHECKED: BSS	CHECKED: BSS	

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE 64-00066 B
VERTICAL SCALE 1" = 10'	DESIGNATION 2003041
SURVEY BOOK ELECTRONIC	SHEET 6 of 24
CONTRACT B-44107	PROJECT 2003041



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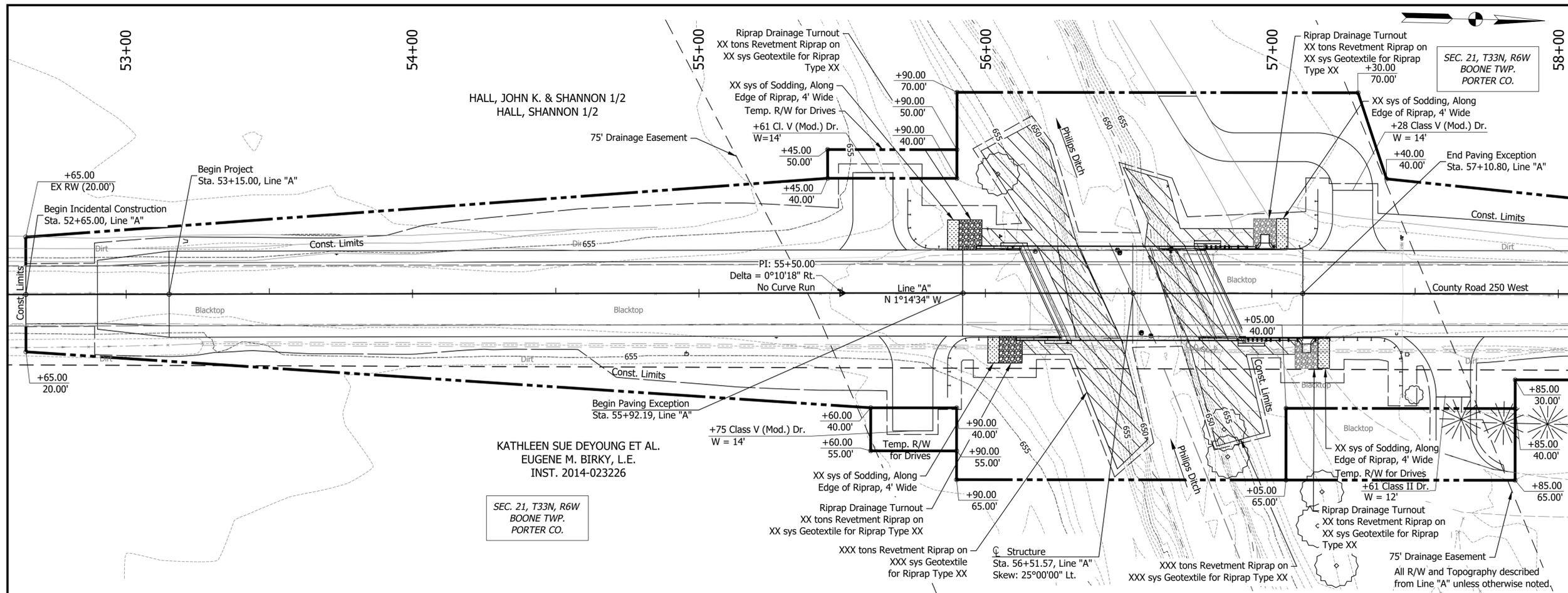
- (K) 165 LB/SYS QC/QA HMA, 3, 64, Surface 9.5mm on
275 LB/SYS QC/QA HMA, 3, 64, Intermediate 19.0mm on
660 LB/SYS QC/QA HMA, 3, 64, Base 25.0mm on
Subgrade Treatment, Type IC on Geotextile for Pavement Type 2B
- (M) Milling, Asphalt, 1 1/2 IN.
- (R) 165 LB/SYS QC/QA HMA, 3, 64, Surface 9.5 mm

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	
DESIGNED: _____ MMT _____	DRAWN: _____ MMT _____
CHECKED: _____ BSS _____	CHECKED: _____ BSS _____

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE 64-00066 B
VERTICAL SCALE 1" = 10'	DESIGNATION 2003041
SURVEY BOOK ELECTRONIC	SHEET 7 of 24
CONTRACT B-44107	PROJECT 2003041



EXISTING STRUCTURE
 The existing structure, 64-00066, is a single span prestressed concrete adjacent box beam bridge built in 1930 and reconstructed in 1996, with a 50.0' span and 30.0' clear roadway. Existing structure to be removed.

HYDRAULIC DATA

Drainage Area	19.05 SQ. MI.
Q100 Discharge	1,190 CFT./SEC.
Q100 Elevation	655.50 M.S.L.
Q100 Backwater	0.81 FT.
Q100 Velocity	5.55 FT./SEC.
Proposed Waterway Opening, Below Q100	228.16 SFT.
Low Structure Elevation	656.34 M.S.L.
Skew	25°00'00"
Existing Waterway Opening	200.26 SFT.
Existing Low Structure Elevation	656.08 M.S.L.
Existing Backwater	1.02 FT.

HYDRAULIC SCOUR DATA

Q100 Discharge	1,190 CFT./SEC.
Q100 Elevation	655.50 M.S.L.
Q100 Scour Velocity	6.74 FT./SEC.
Q100 Contraction Scour Depth	3.51 FT.
Q100 Total Scour Depth	3.51 FT.
Q100 Low Scour Elevation	643.41 M.S.L.
Q500 Discharge	1,547 CFT./SEC.
Q500 Elevation	655.91 M.S.L.
Q500 Scour Velocity	8.06 FT./SEC.
Q500 Contraction Scour Depth	10.82 FT.
Q500 Total Scour Depth	10.82 FT.
Q500 Low Scour Elevation	636.10 M.S.L.

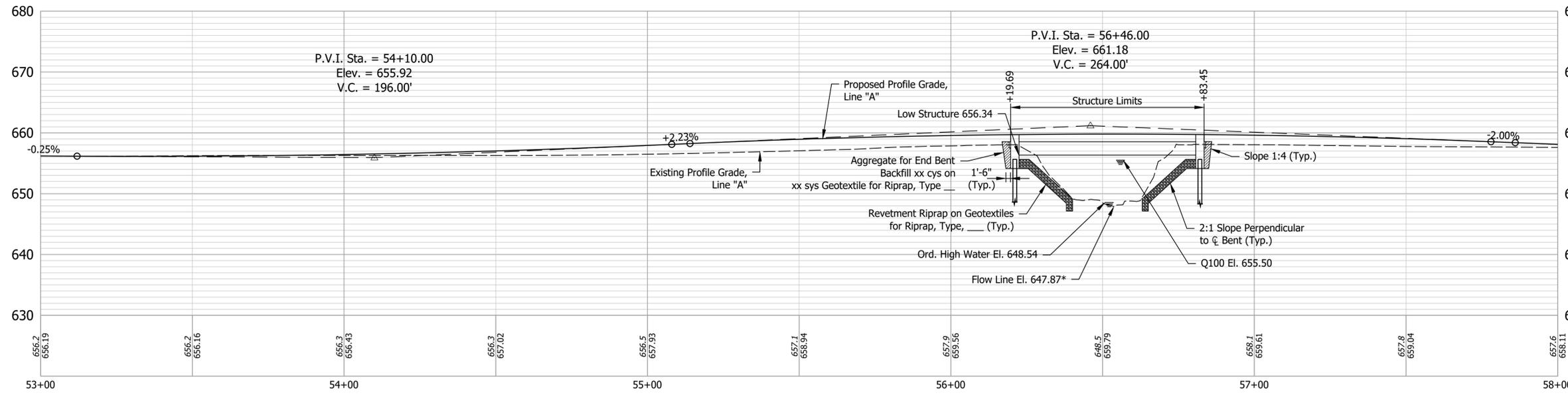
*Flowline elevation shown is taken at the centerline alignment, Line "A". This elevation differs from 646.92 from the hydraulic calculations. The hydraulic calculations show the lowest elevation from the HEC-RAS model (which is downstream of the downstream face) to conservatively check for scour.

EARTHWORK TABULATION

Fill	xxxx cys
Fill + 20%	xxxx cys
Common Excavation	xxxx cys
Usable Waterway Excavation	x cys
Borrow	xxxx cys
Total Waterway Excavation	x cys
Excavation Foundation Unclassified	xxx cys
Benching (Estimated)	xxxx cys

No direct payment for Benching. Benching will not be paid for as Common Excavation.

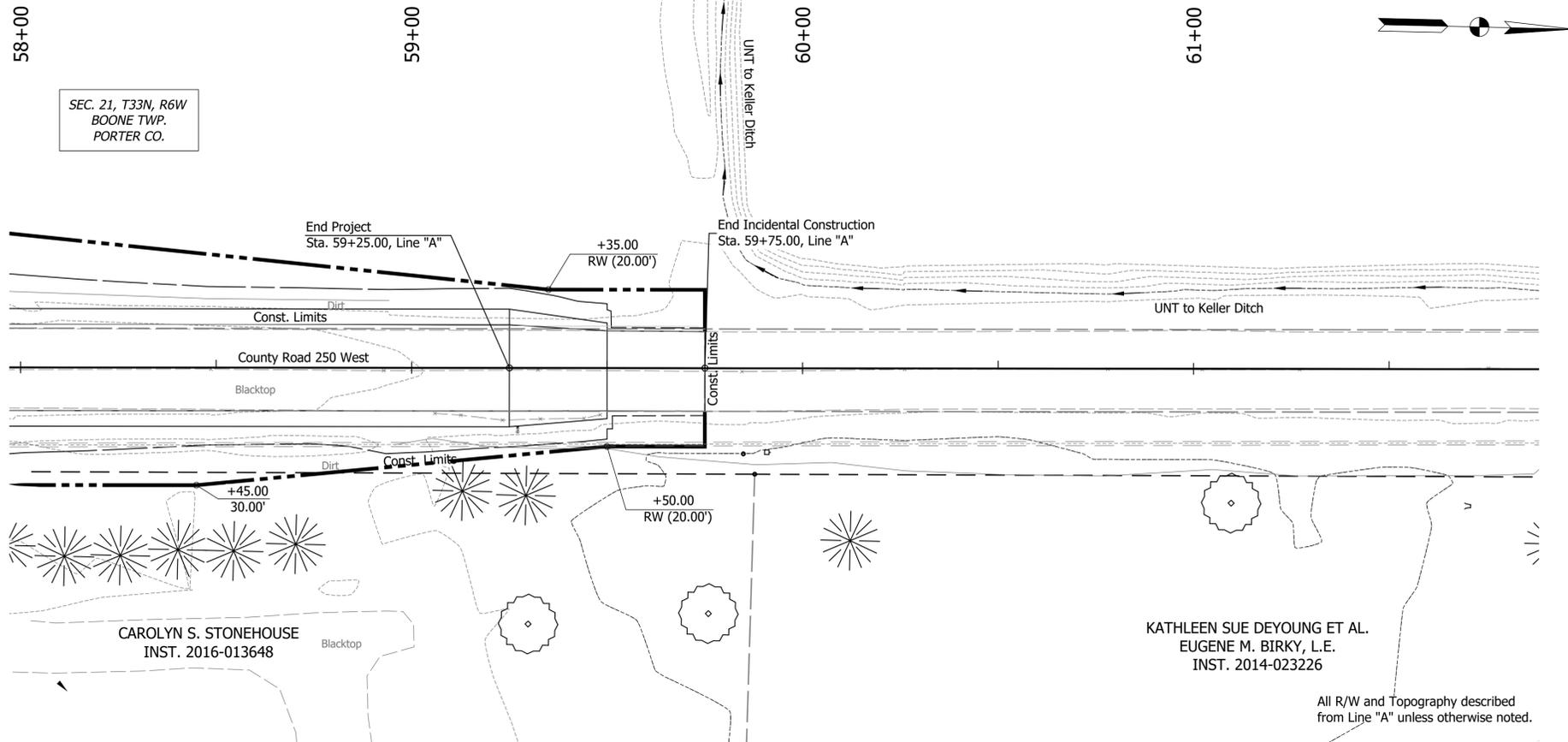
- NOTES**
- See Sheet 2 for utility owners and survey reference ties.
 - See Plan and Profile Sheet for approach work, incidental construction, Bench Mark, and additional details.
 - M.S.L. = Mean Sea Level.



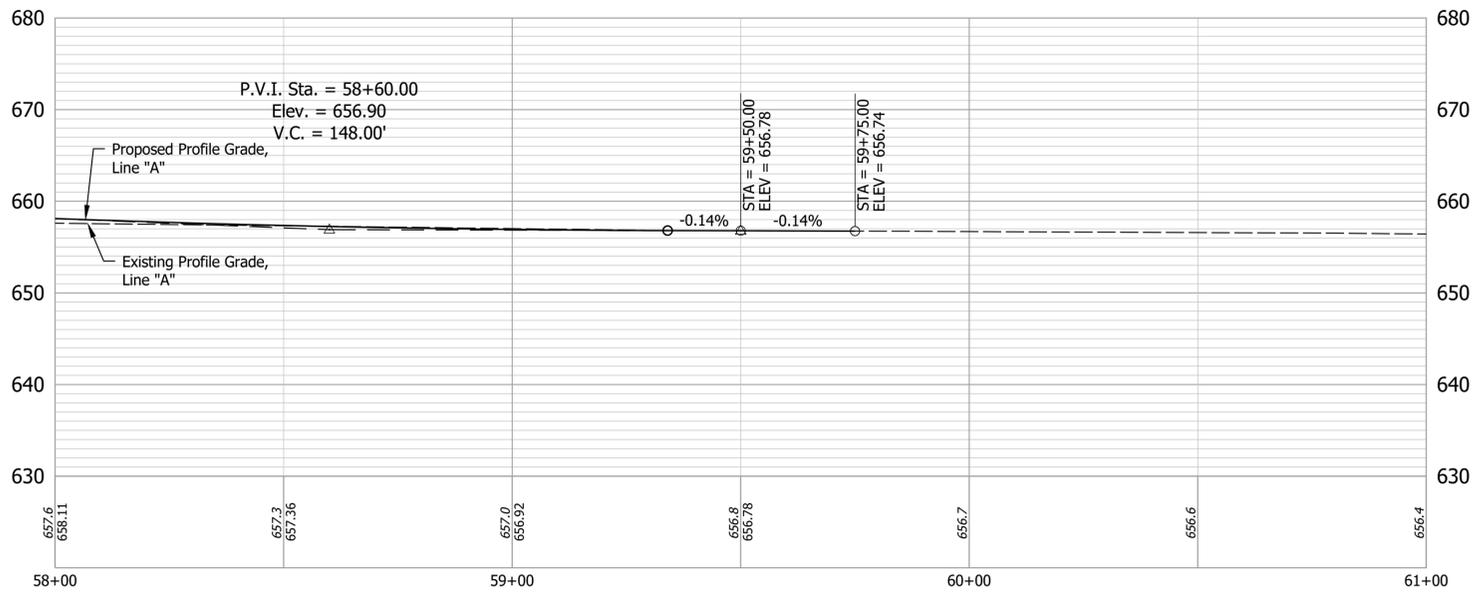
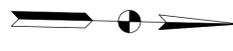
COMPOSITE PRESTRESSED CONCRETE BOX BEAM BRIDGE
 1 SPAN: 61'-0"
 30'-0" CLEAR ROADWAY; 25° SKEW LT.
 COUNTY ROAD 250 WEST OVER PHILLIPS DITCH
 PORTER COUNTY

Date: Sep 07, 2023, 1:05pm User Name: NCG Date: Sep 07, 2023, 1:05pm User Name: NCG
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
DESIGNED: NB	DRAWN: NCG			1" = 20'	64-00066 B
CHECKED: EJC	CHECKED: NB			VERTICAL SCALE	DESIGNATION
			1" = 10'	2003041	
				SURVEY BOOK	SHEETS
				ELECTRONIC	8 of 24
				CONTRACT	PROJECT
				B-44107	2003041



SEC. 21, T33N, R6W
BOONE TWP.
PORTER CO.



All R/W and Topography described from Line "A" unless otherwise noted.

COMPOSITE PRESTRESSED CONCRETE
BOX BEAM BRIDGE
1 SPAN: 61'-0"
30'-0" CLEAR ROADWAY; 25° SKEW LT.
COUNTY ROAD 250 WEST OVER PHILLIPS DITCH
PORTER COUNTY

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CHECKED: EJG	CHECKED: NB		

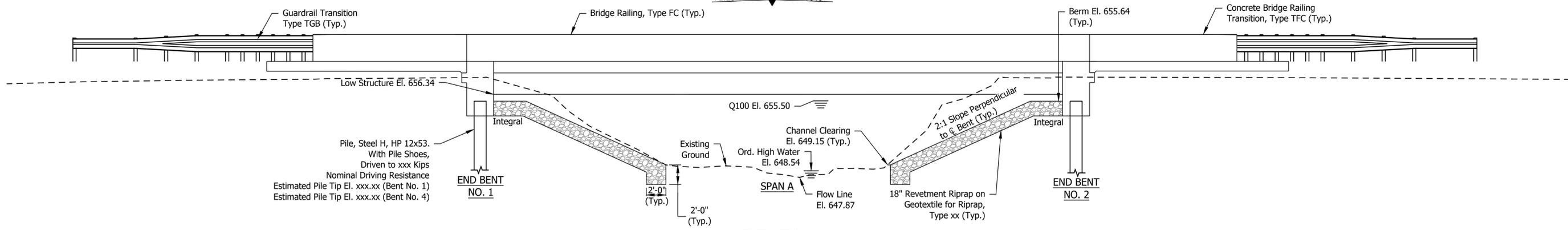
INDIANA DEPARTMENT OF TRANSPORTATION	
LAYOUT	

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	64-00066 B
VERTICAL SCALE	DESIGNATION
1" = 10'	2003041
SURVEY BOOK	SHEETS
ELECTRONIC	9 of 24
CONTRACT	PROJECT
B-44107	2003041

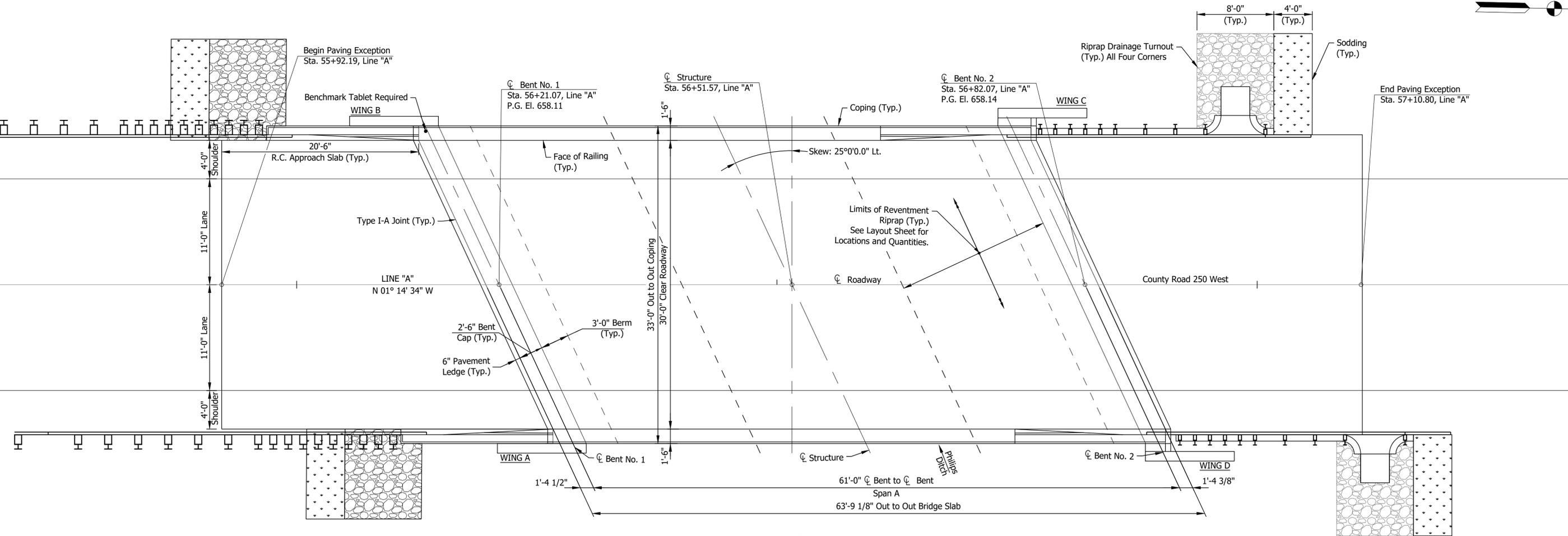
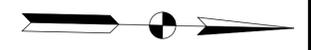
STRUCTURE TO BE BUILT
ON A 264' VERTICAL CURVE

PVI Sta. 56+46.00
PVI Elev. 661.18

+2.23% -2.00%



ELEVATION
SCALE: 3/16" = 1'-0"



PLAN
SCALE: 3/16" = 1'-0"

COMPOSITE PRESTRESSED CONCRETE
BOX BEAM BRIDGE
1 SPAN: 61'-0"
30'-0" CLEAR ROADWAY; 25° SKEW LT.
COUNTY ROAD 250 WEST OVER PHILLIPS DITCH
PORTER COUNTY

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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: NB	DRAWN: NCG	
CHECKED: EJJ	CHECKED: NB	

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	64-00066 B
VERTICAL SCALE	DESIGNATION
AS NOTED	2003041
SURVEY BOOK	SHEETS
ELECTRONIC	10 of 24
CONTRACT	PROJECT
B-44107	2003041

GENERAL NOTES

1. Reinforcing steel covering shall be 2 1/2" in top and 1" minimum in bottom of slab, 3" in footings, except bottom steel which shall be 4", and 2" in all other parts, unless noted.
2. See Layout Sheet for earthwork summary table.
3. Surface seal all exposed surfaces of new concrete barrier rail. Estimated quantity = xxxx sft.

DESIGN DATA

Designed for HL-93 loading, in accordance with AASHTO LRFD Bridge Design Specifications, Ninth Edition, 2020, and subsequent interims.

DEAD LOAD

Actual weight plus 35 lb/ft² for future wearing surface and 15 lb/ft² for permanent metal deck forms.

FLOOR SLAB

Designed with a 7 1/2" structural depth plus 1/2" sacrificial wearing surface.

DESIGN STRESSES

CONCRETE

Class C f_c = 4000 psi

REINFORCING STEEL

Grade 60 f_y = 60,000 psi

CONSTRUCTION LOADING

The exterior girder has been checked for strength, deflection, and overturning using the construction loads shown below. Cantilever overhang brackets were assumed for support of the deck overhang past the edge of the exterior girder. The finishing machine was assumed to be supported 6 in. outside the vertical coping form. The top overhang brackets were assumed to be located 6 in. past the edge of the vertical coping form. The bottom overhang brackets were assumed to be braced against the intersection of the girder bottom flange and web.

DECK FALSEWORK LOADS

Designed for 15 lb/ft² for permanent metal stay-in-place deck forms, removable deck forms, and 2-ft exterior walkway.

CONSTRUCTION LIVE LOAD

Designed for 20 lb/ft² extending 2-ft past the edge of coping and 75 lb/ft vertical force applied at a distance of 6 in. outside the face of coping over a 30-ft length of the deck centered with the finishing machine.

FINISHING-MACHINE LOAD

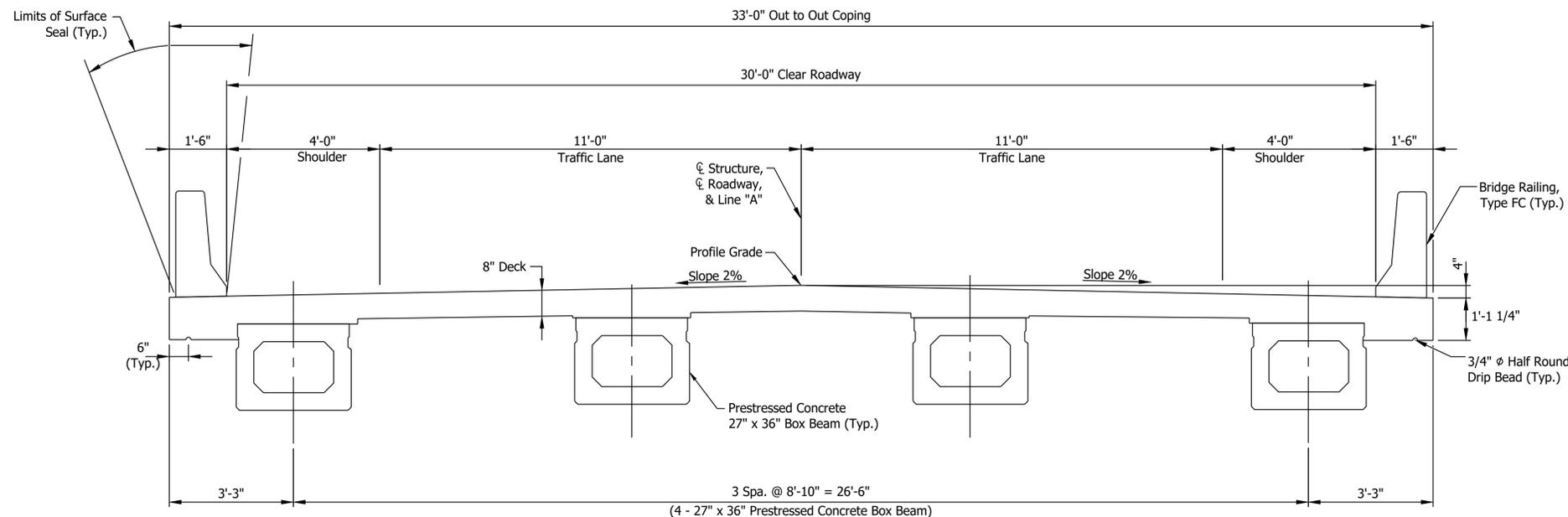
4500 lb distributed over 10 ft along the coping.

WIND LOAD

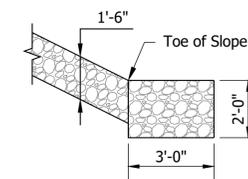
Designed for 70 mph horizontal wind loading in accordance with LRFD 3.8.1.

SEISMIC DESIGN LOAD

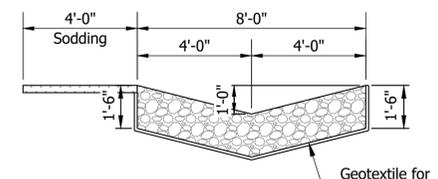
Seismic Design Category x
 Acceleration Coefficient xx
 Seismic Soil Profile Type Class x



TYPICAL SECTION
Scale 1/2" = 1'-0"



LONGITUDINAL SECTION



TYPICAL CROSS SECTION

RIPRAP TURNOUT DETAILS
Not to Scale

**COMPOSITE PRESTRESSED CONCRETE
 BOX BEAM BRIDGE
 1 SPAN: 61'-0"
 30'-0" CLEAR ROADWAY; 25° SKEW LT.
 COUNTY ROAD 250 WEST OVER PHILLIPS DITCH
 PORTER COUNTY**

**INDIANA
 DEPARTMENT OF TRANSPORTATION**

GENERAL PLAN

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: NB	DRAWN: NCG	
CHECKED: EJG	CHECKED: NB	

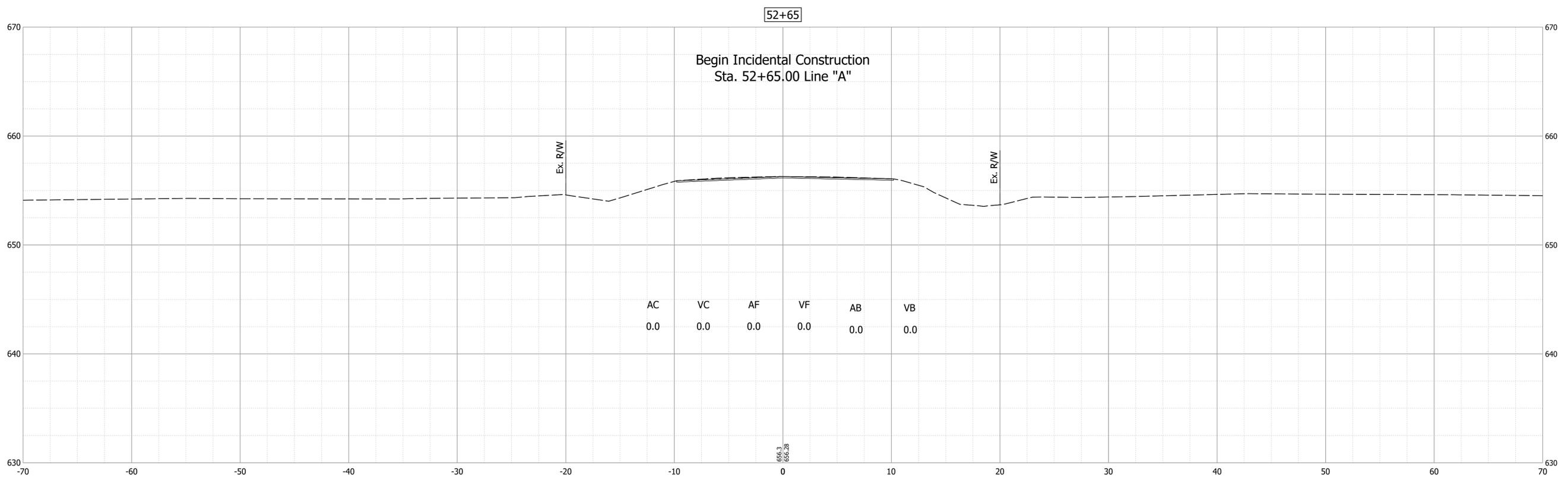
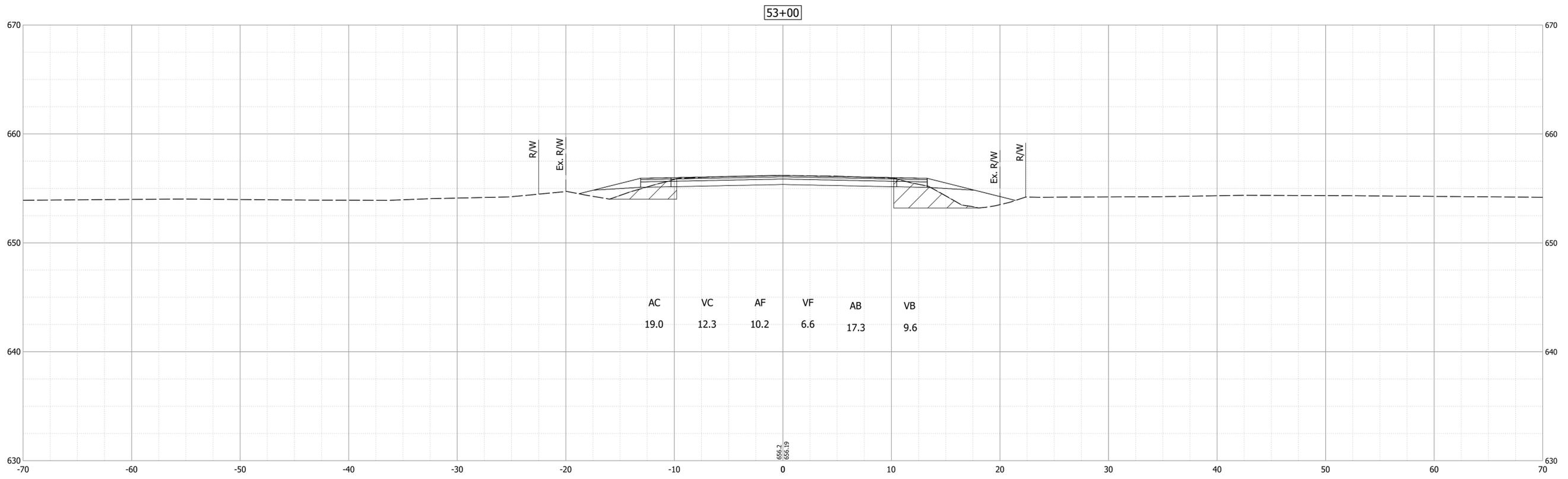
HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	64-00066 B
VERTICAL SCALE	DESIGNATION
AS NOTED	2003041
SURVEY BOOK	SHEETS
ELECTRONIC	11 of 24
CONTRACT	PROJECT
B-44107	2003041

ITEM	CONCRETE					RAILING, CONCRETE FC	REINF. BARS, EPOXY COATED	CONCRETE BRIDGE RAILING TRANSITION, TFC	BARRIER, DELINEATOR	REINF. CONC. BRIDGE APPROACH 12"	GEOTEXTILE FOR PAVEMENT, TYPE 2B	EXCAVATION, FOUNDATION, UNCLASSIFIED	AGGREGATE FOR END BENT BACKFILL	GEOTEXTILE FOR RIPRAP, TYPE 1A	PIPE, END BENT DRAIN, 6 IN	PIPE, ROADWAY DRAIN CASTING EXTENSION	CONC. STR. MEMBERS		THREADED TIE BAR ASSEMBLY, EPOXY COATED	TEST PILE, INDICATOR		PILE SHOE, HP 12 X 53	PILE, STEEL H HP 12 X 53	LONGITUDINAL GROOVING	SURFACE SEAL*
	CLASS C	CLASS C	CLASS A	CLASS B	CLASS B												CONCRETE BOX BEAM, 27 IN. X 36 IN.	I-BEAM TYPE SIZE		PRODUCTION	RESTRIKE				
	SUPERSTR	SUBSTR	SUBSTR	ABOVE FTG.	IN FTG.												LFT	LFT		LFT	EACH				
Superstructure		53.9				9,706												248	32				213.0		
End Bent No. 1		30.8				5,547			97	97	83	23	279.1	70						70	1	8	420		
End Bent No. 2		30.8				5,537			97	97	83	23	332	70						70	1	8	420		
R. C. Bridge Approach (12") at End Bent No. 1						5,820																	97.0		
R. C. Bridge Approach (12") at End Bent No. 2						5,820																	97.0		
Railing						12	5,500	4	8															1201	
TOTALS		115.5				12	37,930	4	8	194	194	166	46	611.1	140			248	32	140	2	16	840	407	1201

* Estimated Quantity

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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE --/--/--	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE	BRIDGE FILE
			N/A	64-00066 B
DESIGNED: _____ NB _____ DRAWN: _____ NCG _____	BRIDGE SUMMARY		VERTICAL SCALE	DESIGNATION
			N/A	2003041
CHECKED: _____ EJG _____ CHECKED: _____ NB _____			SURVEY BOOK	SHEETS
			ELECTRONIC	12 of 24
			CONTRACT	PROJECT
			B-44107	2003041

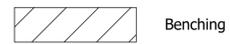
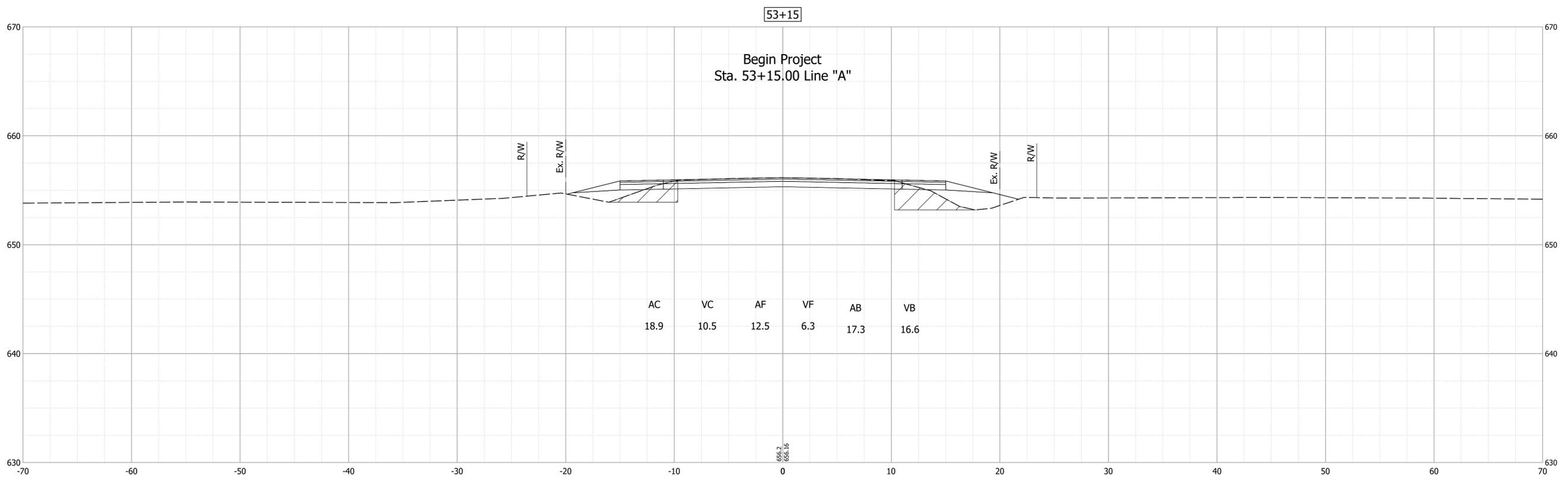
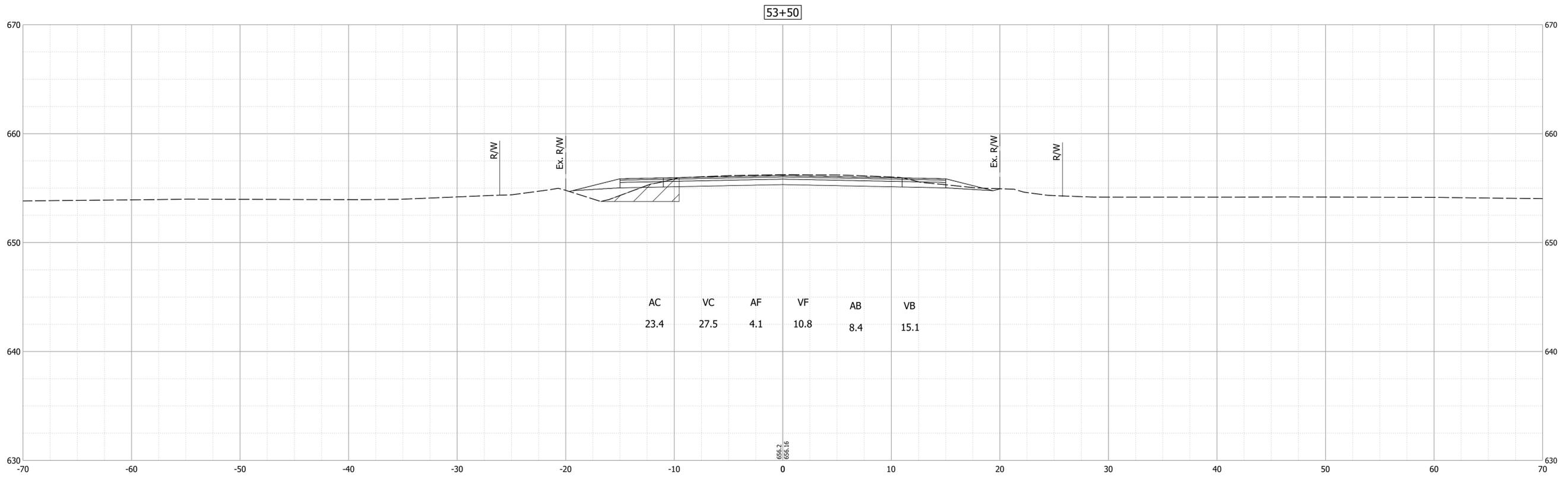


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MJO	DRAWN: MJO	
CHECKED: BSS	CHECKED: BSS	

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	64-00066 B
VERTICAL SCALE	DESIGNATION
1" = 5'	2003041
SURVEY BOOK	SHEET
ELECTRONIC	14 of 24
CONTRACT	PROJECT
B-44107	2003041

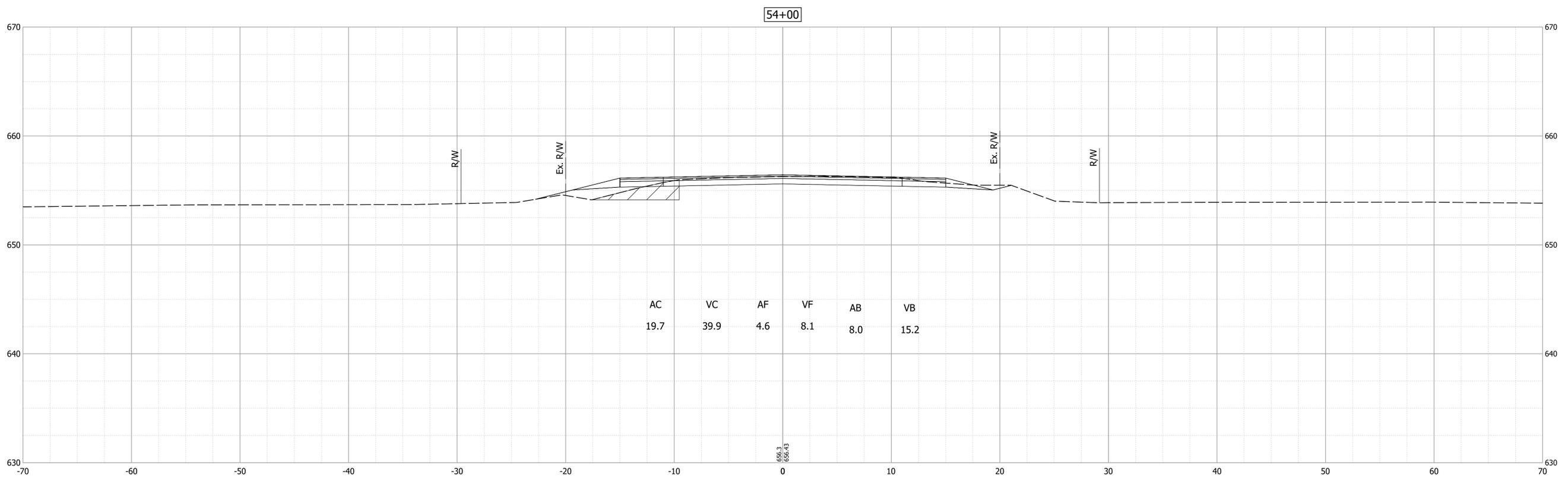
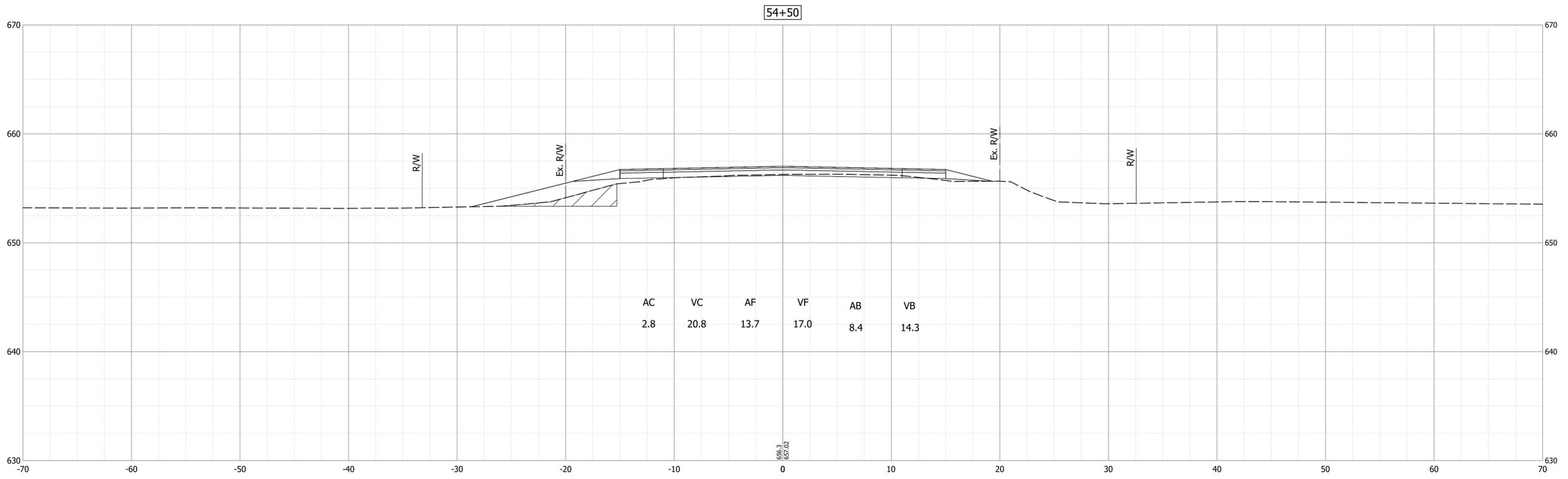


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MJO	DRAWN: MJO	
CHECKED: BSS	CHECKED: BSS	

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	64-00066 B
VERTICAL SCALE	DESIGNATION
1" = 5'	2003041
SURVEY BOOK	SHEET
ELECTRONIC	15 of 24
CONTRACT	PROJECT
B-44107	2003041



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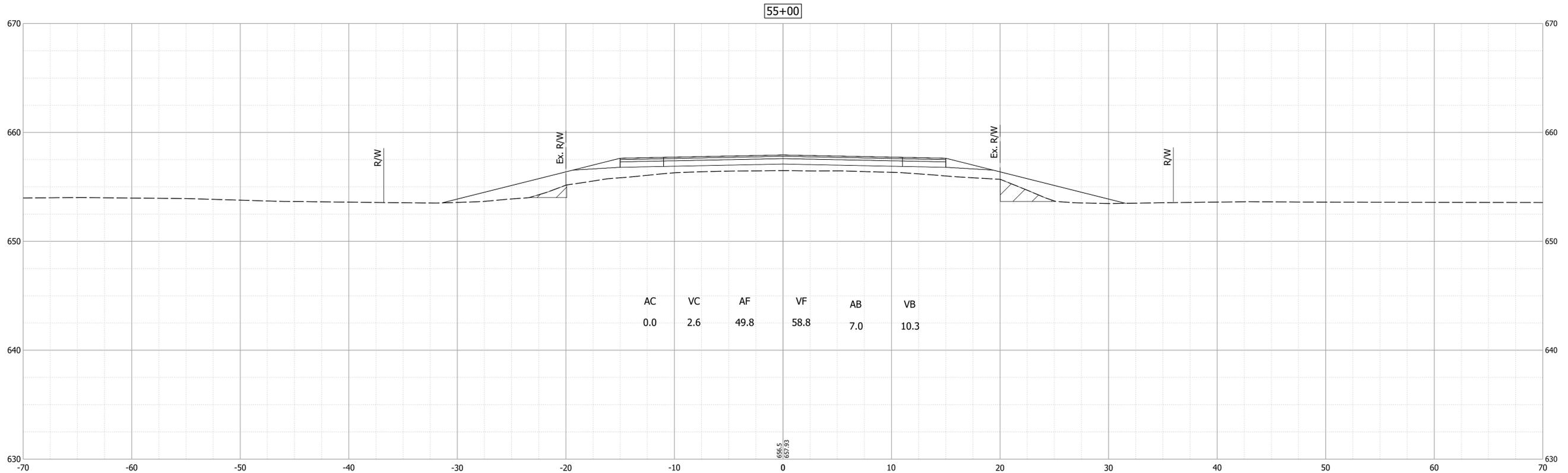
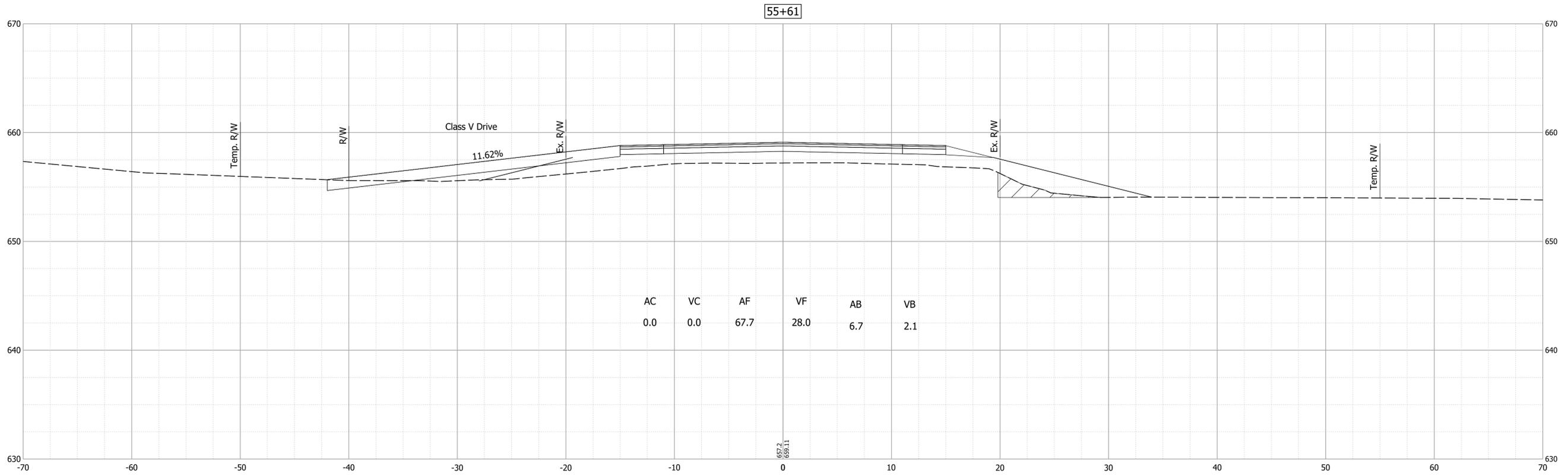
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DESIGNED: _____ MJO _____	DRAWN: _____ MJO _____	
CHECKED: _____ BSS _____	CHECKED: _____ BSS _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE 64-00066 B
VERTICAL SCALE 1" = 5'	DESIGNATION 2003041
SURVEY BOOK ELECTRONIC	SHEET 16 of 24
CONTRACT B-44107	PROJECT 2003041

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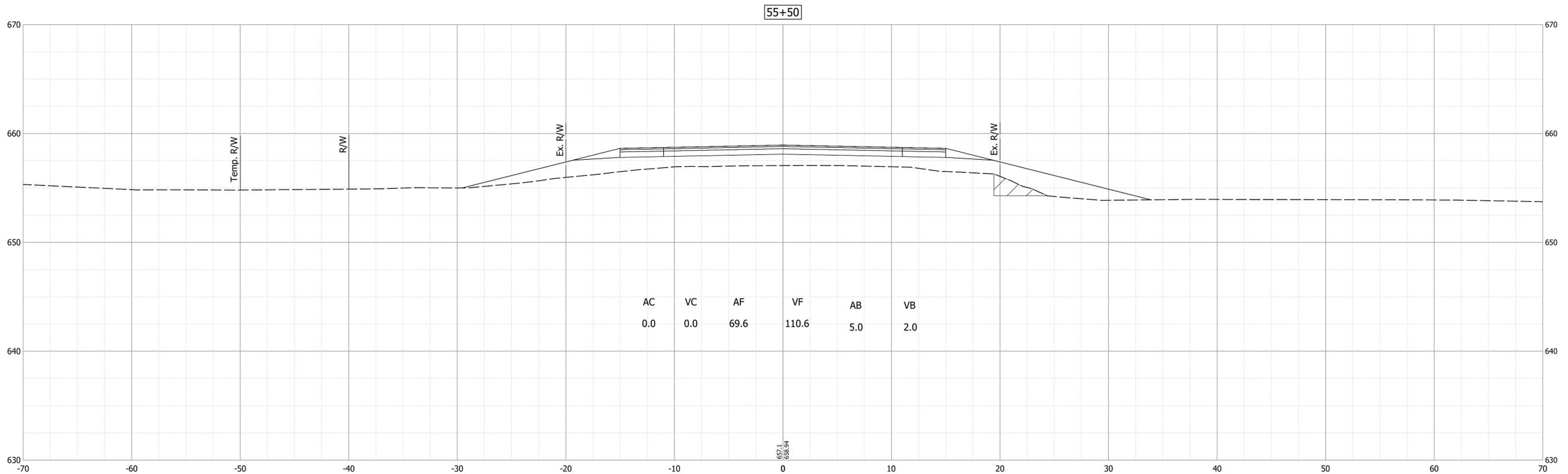
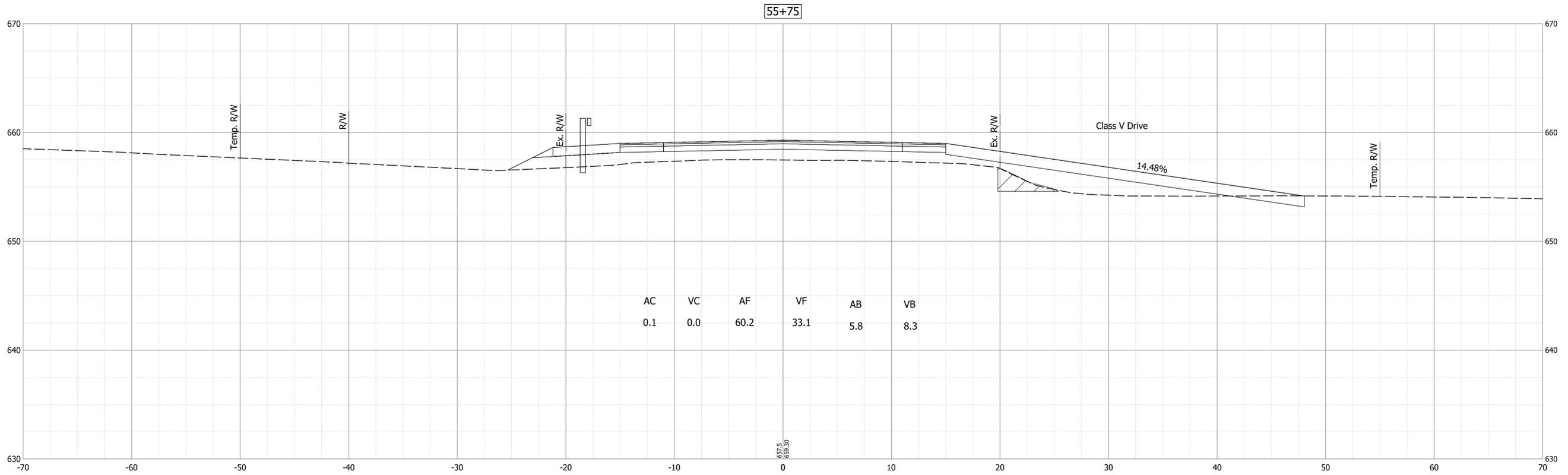
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 DESIGN ENGINEER
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 CHECKED: BSS CHECKED: BSS

INDIANA
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	64-00066 B
VERTICAL SCALE	DESIGNATION
1" = 5'	2003041
SURVEY BOOK	SHEET
ELECTRONIC	17 of 24
CONTRACT	PROJECT
B-44107	2003041

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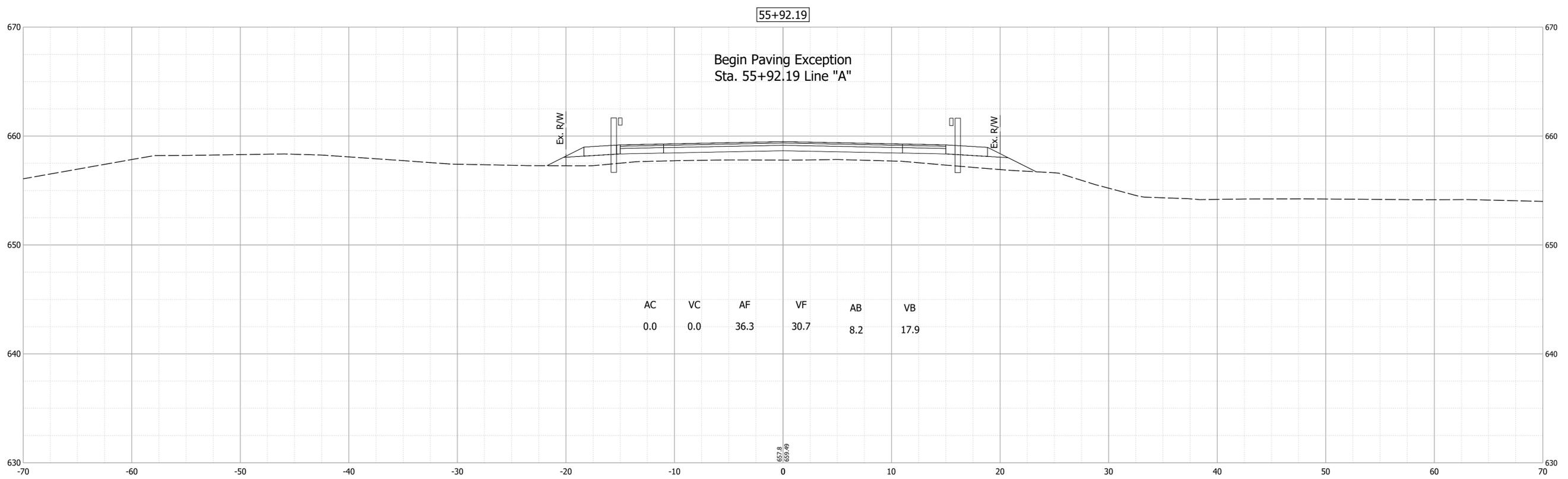
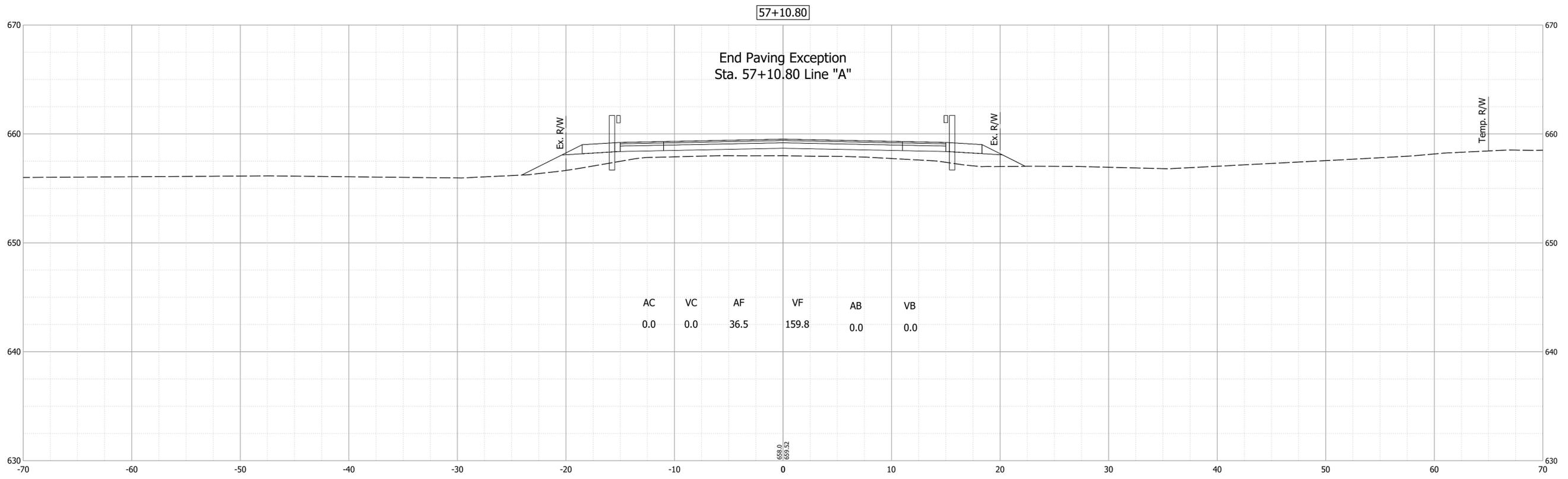
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INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	64-00066 B
VERTICAL SCALE	DESIGNATION
1" = 5'	2003041
SURVEY BOOK	SHEET
ELECTRONIC	18 of 24
CONTRACT	PROJECT
B-44107	2003041



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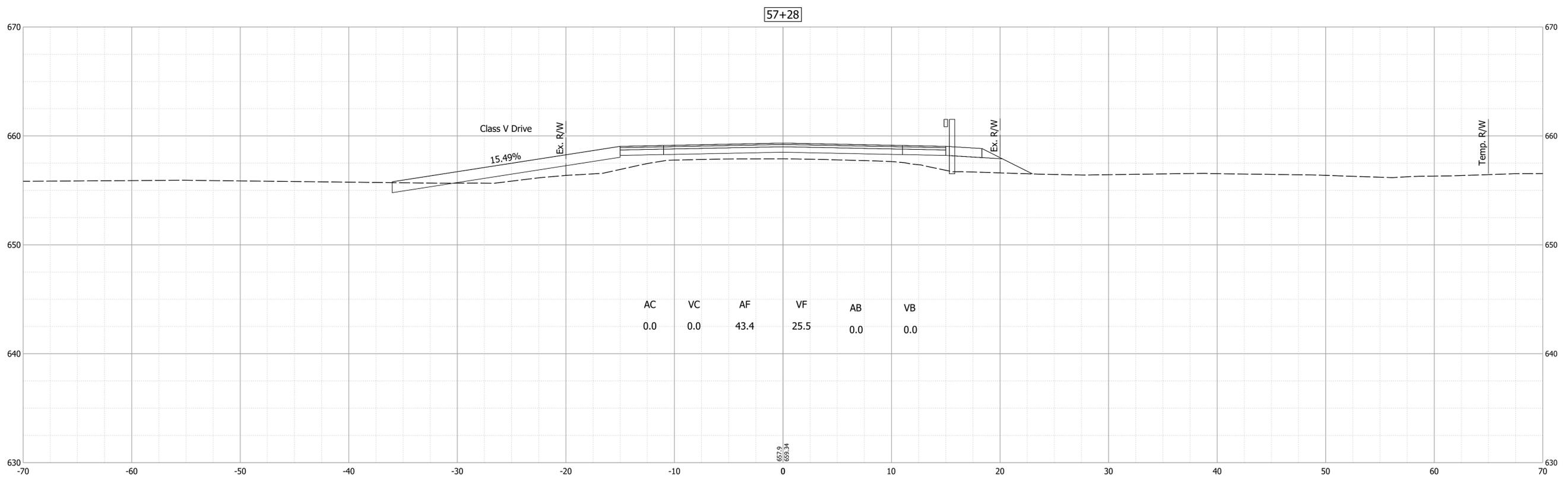
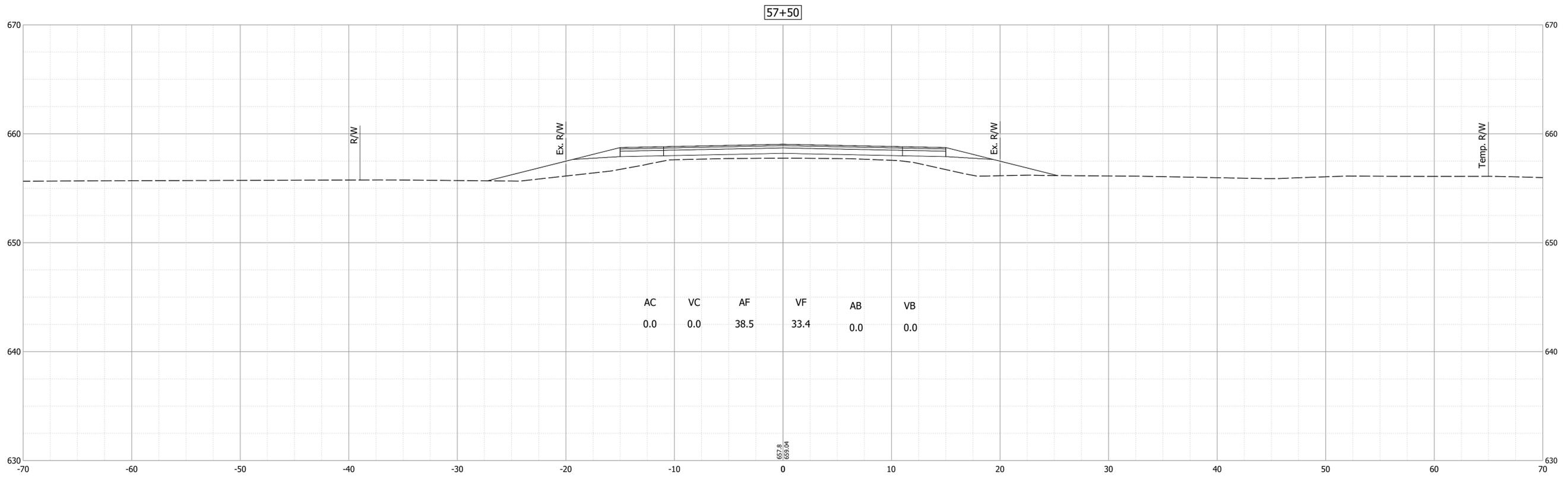
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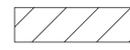
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**INDIANA
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
LINE "A"**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE 64-00066 B
VERTICAL SCALE 1" = 5'	DESIGNATION 2003041
SURVEY BOOK ELECTRONIC	SHEET 19 of 24
CONTRACT B-44107	PROJECT 2003041



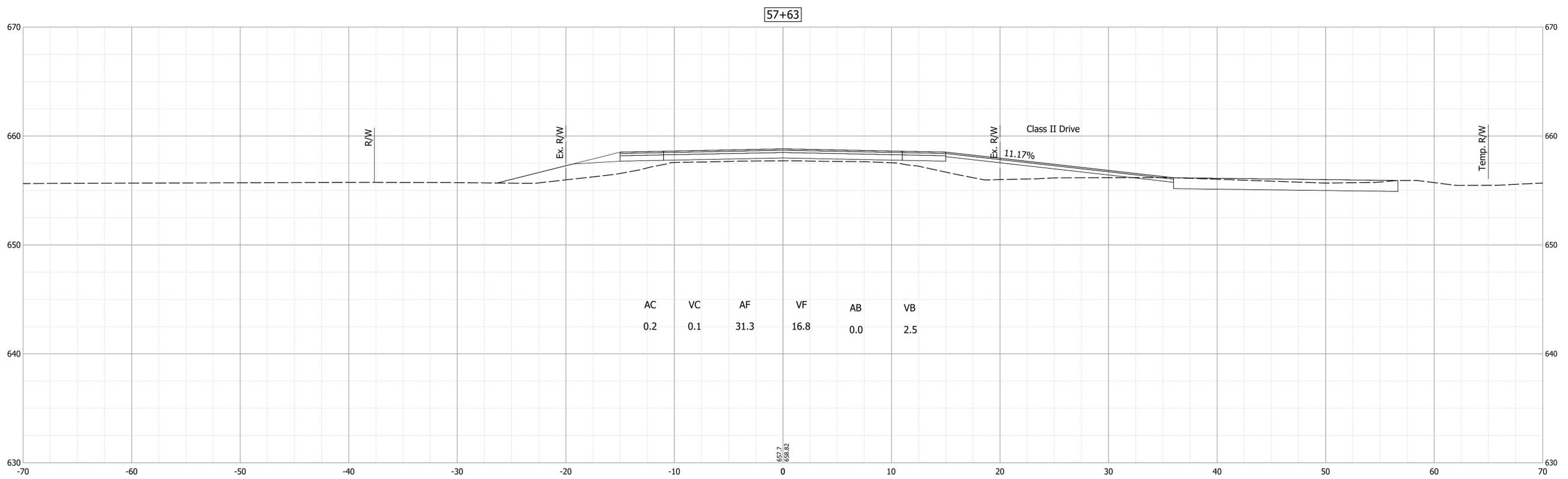
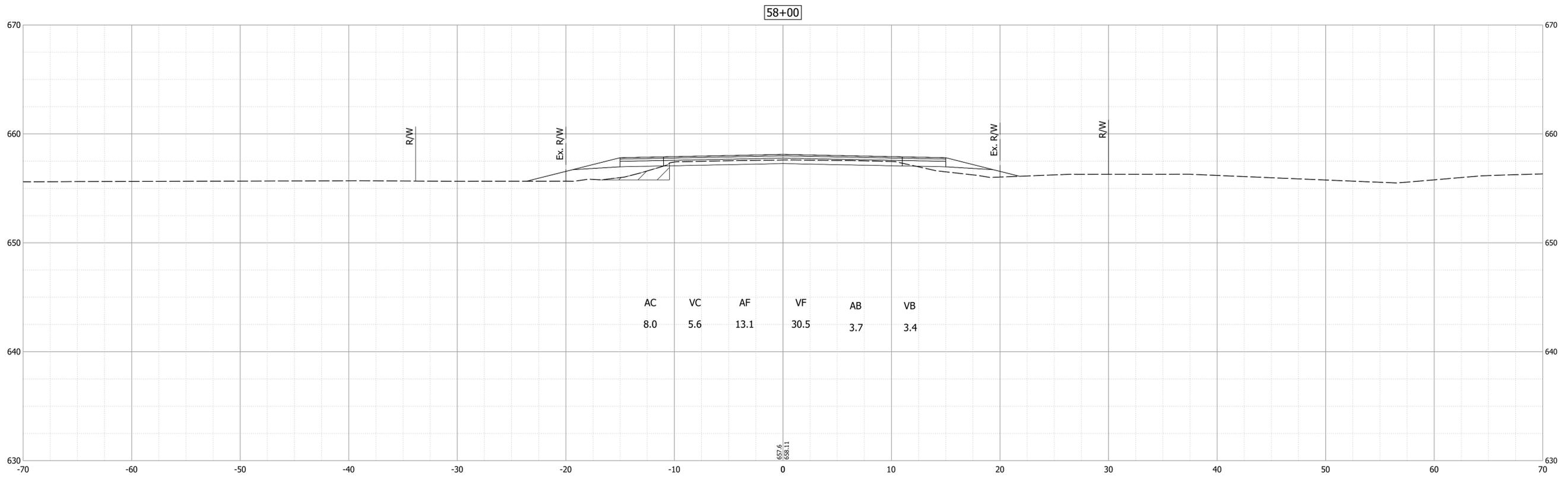
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DESIGNED: _____ MJO _____	DRAWN: _____ MJO _____	
CHECKED: _____ BSS _____	CHECKED: _____ BSS _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

**CROSS SECTIONS
LINE "A"**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE 64-00066 B
VERTICAL SCALE 1" = 5'	DESIGNATION 2003041
SURVEY BOOK ELECTRONIC	SHEET 20 of 24
CONTRACT B-44107	PROJECT 2003041



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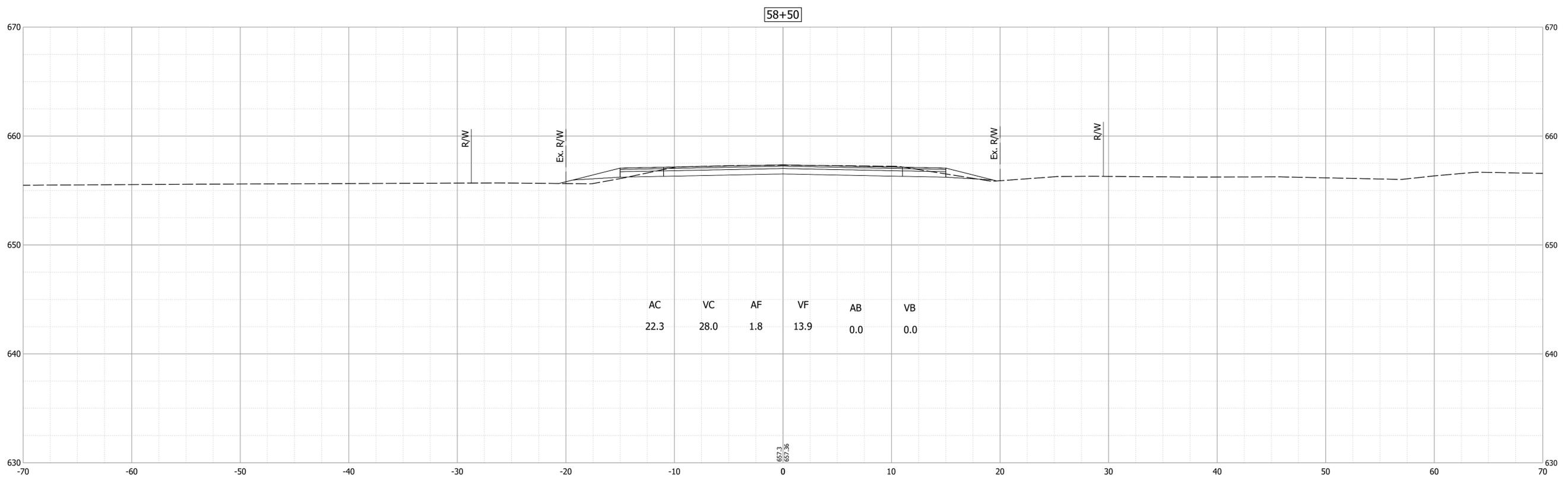
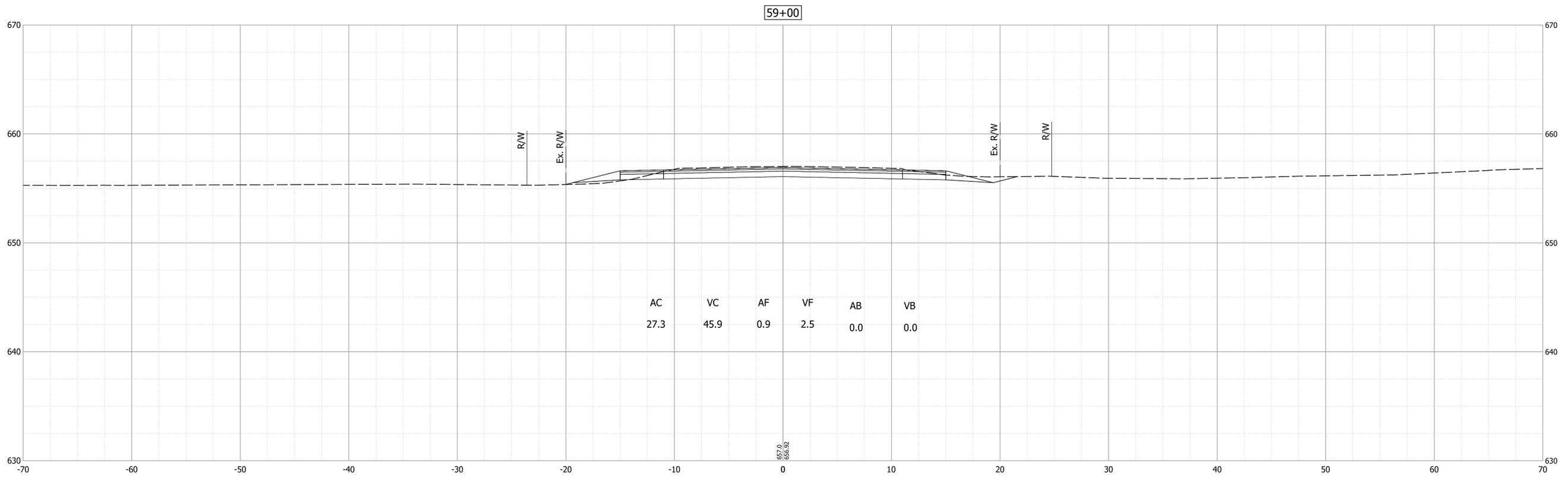
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DESIGNED: _____ MJO	DRAWN: _____ MJO	
CHECKED: _____ BSS	CHECKED: _____ BSS	

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE 64-00066 B
VERTICAL SCALE 1" = 5'	DESIGNATION 2003041
SURVEY BOOK ELECTRONIC	SHEET 21 of 24
CONTRACT B-44107	PROJECT 2003041



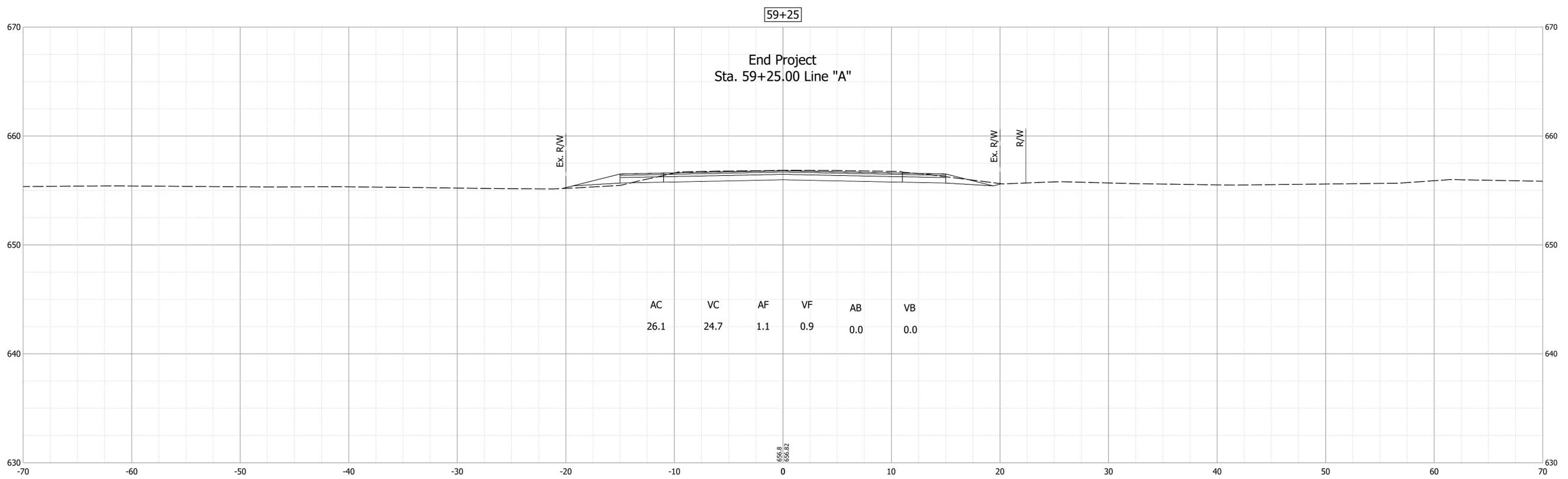
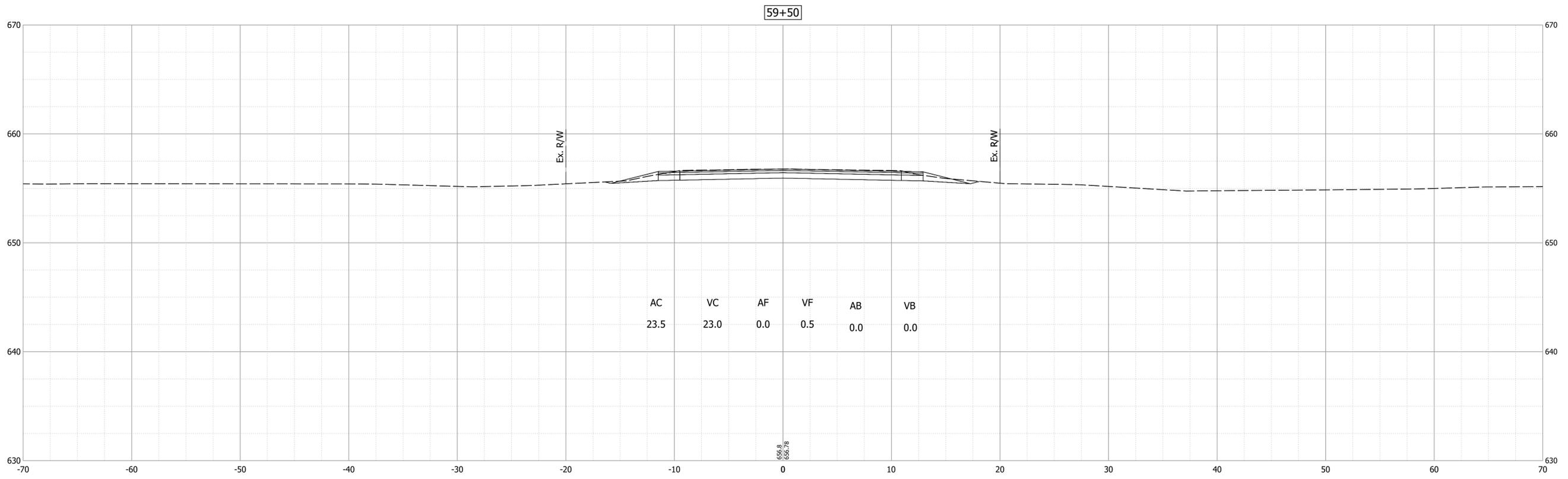
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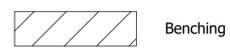
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	64-00066 B
VERTICAL SCALE	DESIGNATION
1" = 5'	2003041
SURVEY BOOK	SHEET
ELECTRONIC	22 of 24
CONTRACT	PROJECT
B-44107	2003041



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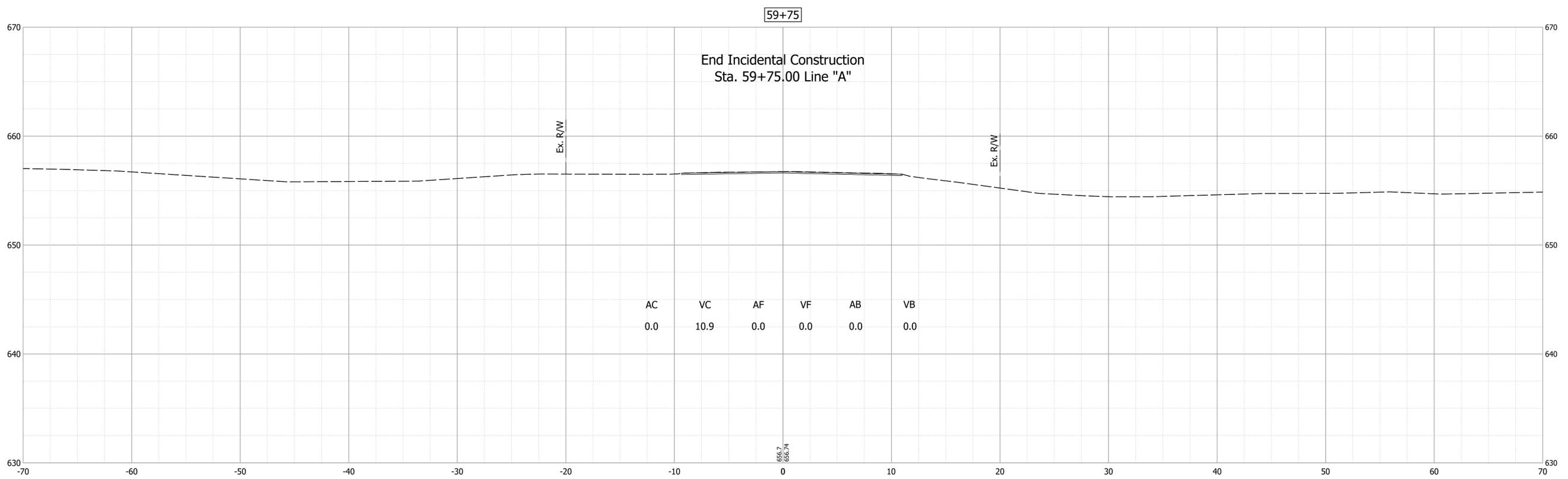
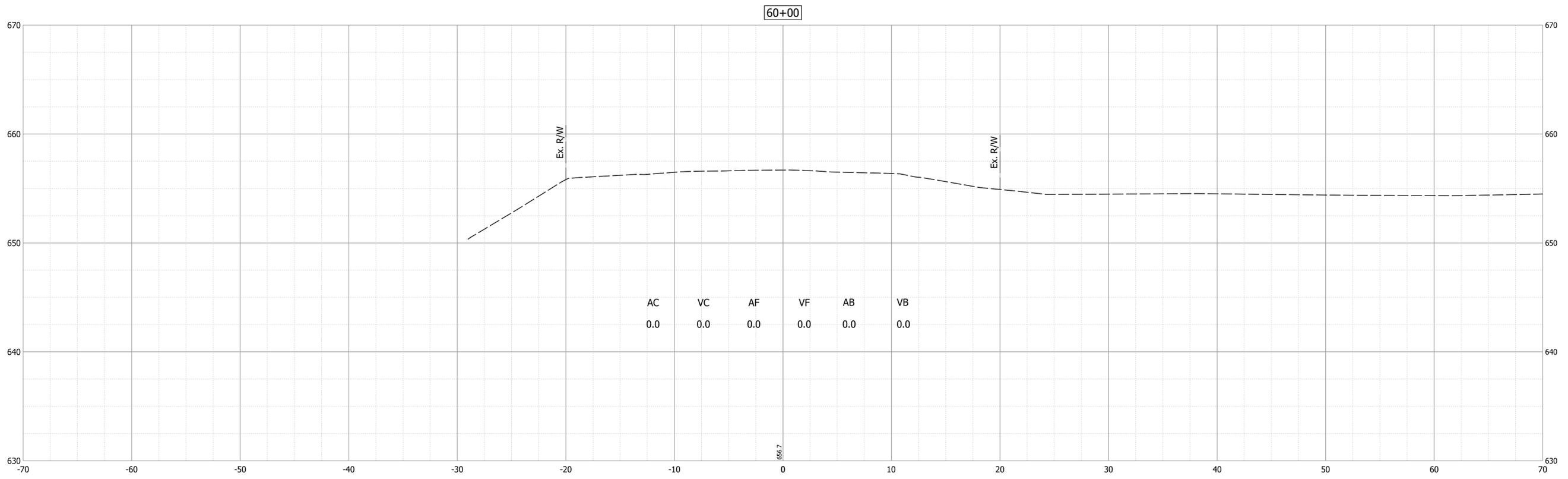


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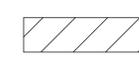
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	64-00066 B
VERTICAL SCALE	DESIGNATION
1" = 5'	2003041
SURVEY BOOK	SHEET
ELECTRONIC	23 of 24
CONTRACT	PROJECT
B-44107	2003041



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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MJO	DRAWN: _____ MJO	
CHECKED: _____ BSS	CHECKED: _____ BSS	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
LINE "A"**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE 64-00066 B
VERTICAL SCALE 1" = 5'	DESIGNATION 2003041
SURVEY BOOK ELECTRONIC	SHEET 24 of 24
CONTRACT B-44107	PROJECT 2003041