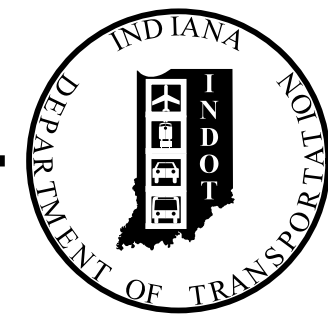


PROJECT	DESIGNATION
1401828	1401828
CONTRACT	BRIDGE FILE NO.
R-38565	N/A

# INDIANA DEPARTMENT OF TRANSPORTATION



## ROAD PLANS

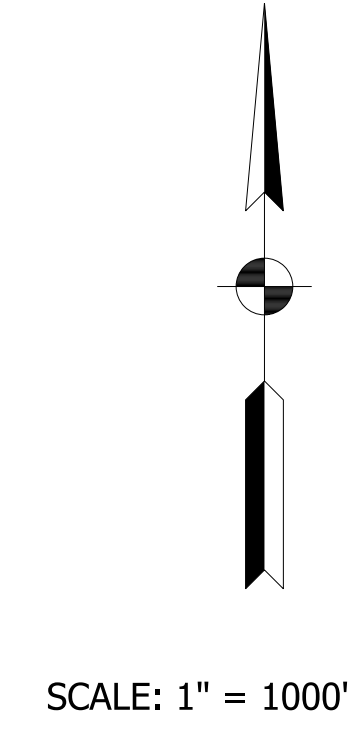
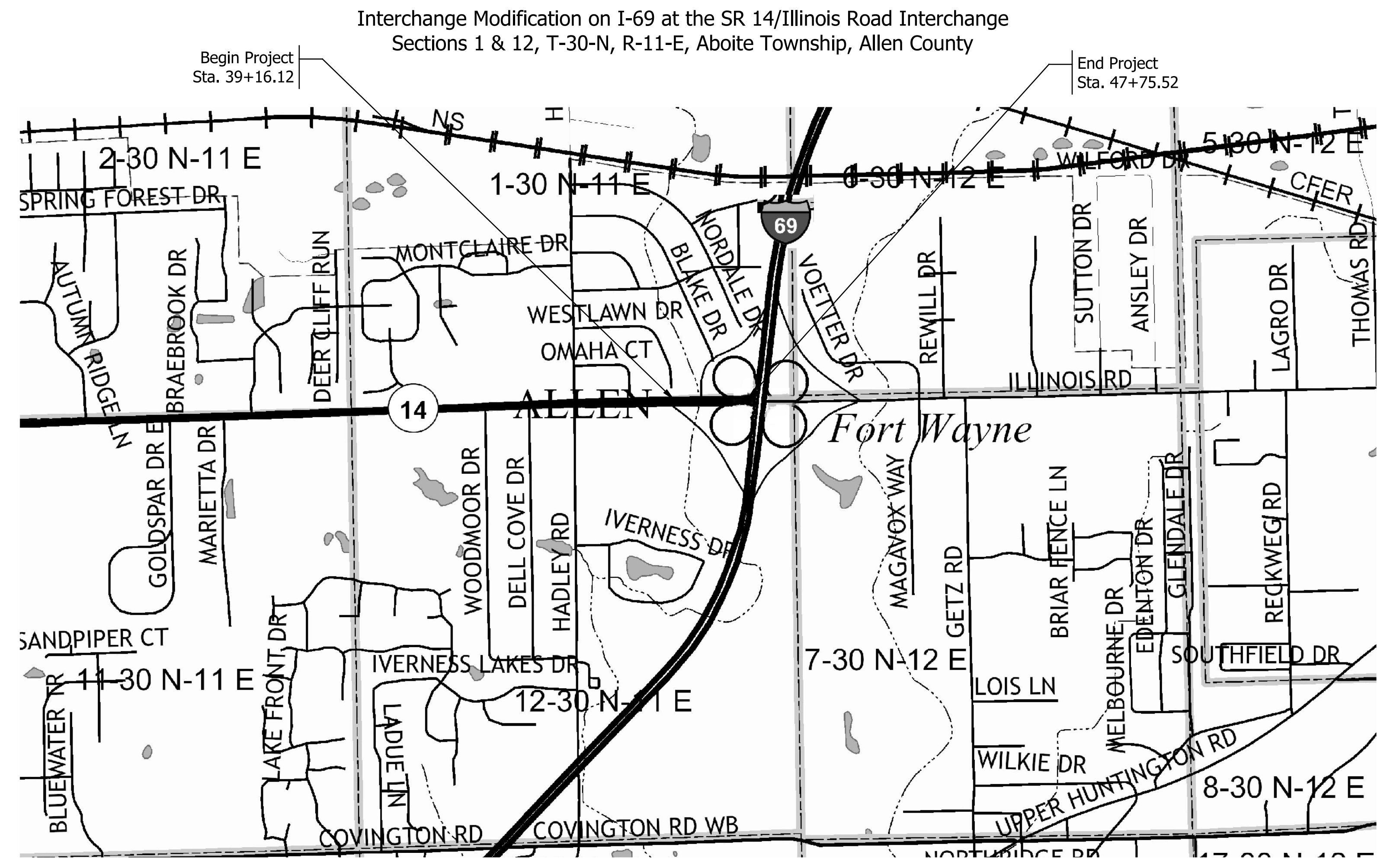
TRAFFIC DATA		
	SR 14/ILLINOIS RD	RAMP C NW
A.A.D.T. (2015)	30,749 V.P.D.	13,608 V.P.D.
A.A.D.T. (2040)	39,205 V.P.D.	15,990 V.P.D.
D.H.V. (2040)	3,470 V.P.H.	1,638 V.P.H.
DIRECTIONAL DISTRIBUTION	49.9 %	100 %
TRUCKS	4 % A.A.D.T.	4 % A.A.D.T.
	4 % D.H.V.	4 % D.H.V.

DESIGN DATA		
DESIGN SPEED	45 M.P.H.	45 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)	3R (FREEWAY)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL	INTERSTATE
RURAL/URBAN	URBAN	URBAN
TERRAIN	LEVEL	LEVEL
ACCESS CONTROL	NONE	FULL

KIN PROJECT INFORMATION	
DESIGNATION	PROJECT INFORMATION
1600115	Preventative Maintenance Overlay of SR 14

ROUTE: I-69 @ SR 14 FROM: RP 305+18 TO: RP 305+37  
 PROJECT NO. 1401828 P.E. 1401828 R/W 1401828 CONST. 1401828



LATITUDE: 41° 04' 28" N LONGITUDE: 85° 13' 42" W

BRIDGE LENGTH:	N/A	MI.
ROADWAY LENGTH:	0.163 mi.	MI.
TOTAL LENGTH:	0.163 mi.	MI.
MAX. GRADE:	3.0%	%

HUC: 05120101100020

INDIANA DEPARTMENT OF TRANSPORTATION  
 STANDARD SPECIFICATIONS DATED 2018  
 TO BE USED WITH THESE PLANS



PLANS PREPARED BY: STRAND ASSOCIATES, INC. (812)372-9911  
 629 WASHINGTON ST., COLUMBUS, IN 47201 PHONE NUMBER

CERTIFIED BY: \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED FOR LETTING: \_\_\_\_\_ DATE \_\_\_\_\_

INDIANA DEPARTMENT OF TRANSPORTATION

BRIDGE FILE NO.	
N/A	
DESIGNATION	
1401828	
SURVEY BOOK	SHEETS
	1 of 81
CONTRACT	PROJECT
R-38565	1401828

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### UTILITIES

GAS: NIPSCO GAS COMMUNICATIONS: LINCOLN NATIONAL CORPORATION  
 ATTN: DAVE SCHAAFSSA ATTN: RICK NELSON  
 EMAIL: DSCHAAFSSA@NISOURCE.COM

WATER: CITY OF FORT WAYNE ZAYO BANDWIDTH  
 1 E. MAIN STREET, ROOM 710 625 E. 11TH ST.  
 FORT WAYNE, IN 46802 INDIANAPOLIS, IN 46202  
 PHONE: (260) 724-1136 PHONE: (317) 524-5711  
 ATTN: MARIO TREVINO ATTN: JOHN SENESE  
 EMAIL: JSENESE@ZAYO.COM

### GENERAL NOTES


### REVISIONS

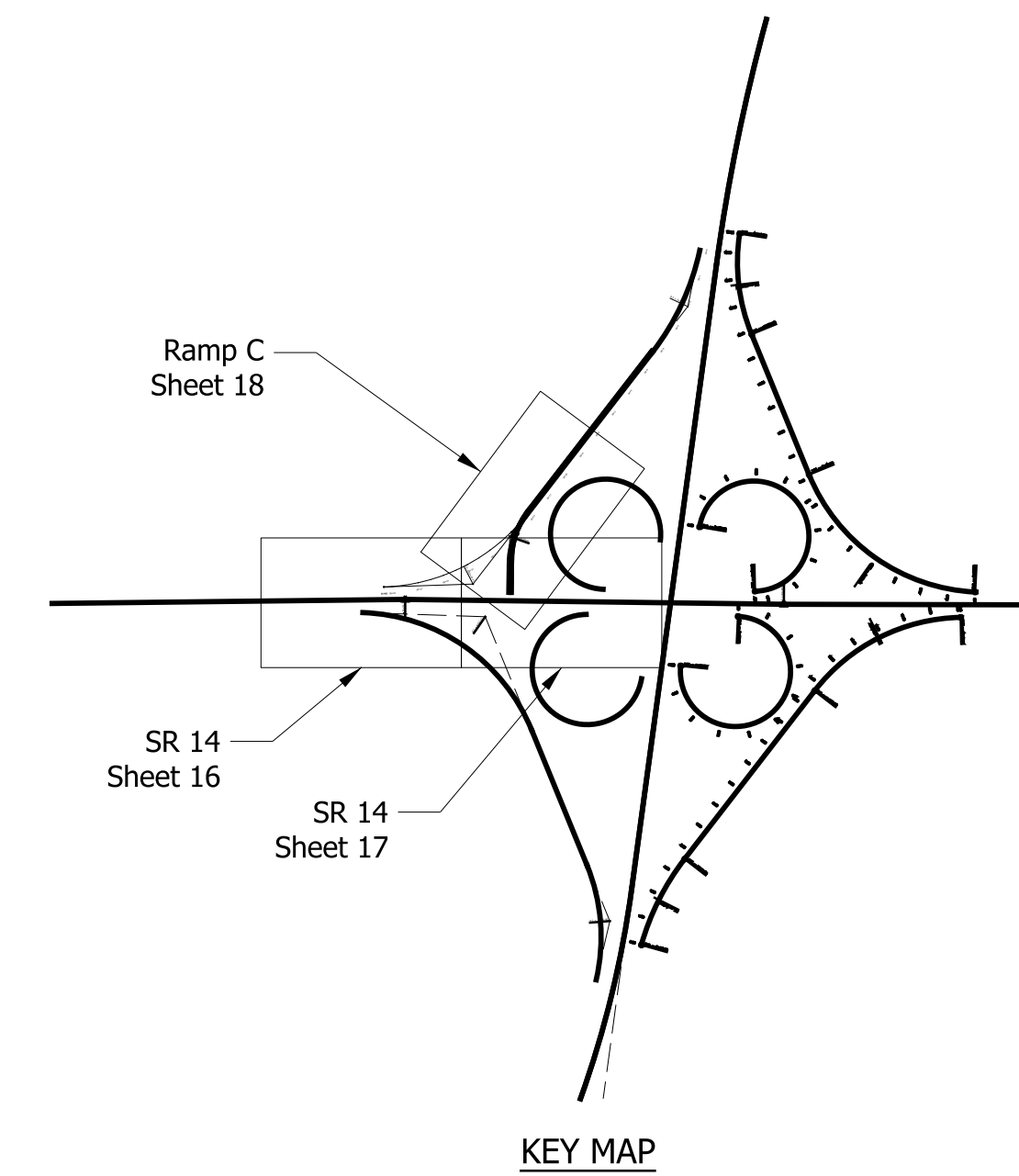
SHEET NO.	DATE	REVISED

### INDEX

SHEET NO.	DRAWINGS INDEX
1	TITLE SHEET
2	INDEX AND GENERAL NOTES
3-5	TYPICAL CROSS SECTIONS
6-37	MAINTENANCE OF TRAFFIC SHEETS
38-40	PLAN AND PROFILE SHEETS
41-47	CONSTRUCTION DETAIL
48	INTERSECTION DETAIL
49-50	CONCRETE BARRIER DETAILS
51-57	EROSION CONTROL DETAILS
58	SIGNAL DETAIL
59-63	PAVEMENT MARKING AND SIGNING
64-67	SUMMARY TABLES
68-81	CROSS SECTIONS

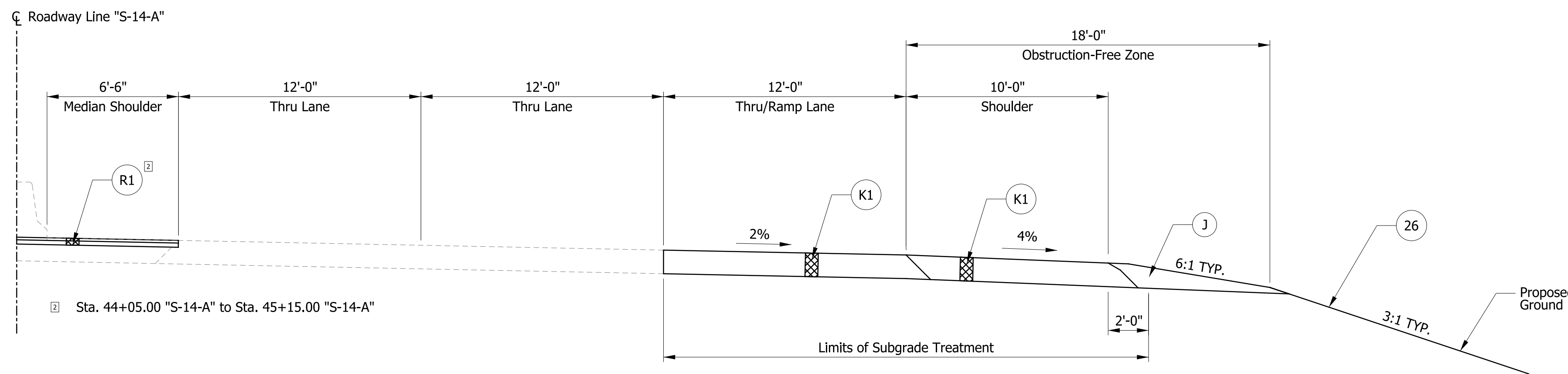
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<p><b>100</b> NORTHING: 181,757.5767 EASTING: 736,958.8104</p> <p>A = NW CORNER, S. POST "FOOT" SIGN, 105.0', Az=240°          B = NW POST, OVERHEAD BILLBOARD SIGN, 48.0', Az=240°          C = N. FACE LIGHT POST, 62.5', Az=170°</p> <p>S.R. 14 (WEST BOUND)          (CONC. MEDIAN)          S.R. 14 (EAST BOUND)</p> <p>P.O.T. 37+30.12 "S-14-A"          EXISTING 1-1/4" IRON PIN IN MEDIAN (+2.5' ABOVE GRADE)</p>	<p><b>301</b> NORTHING: 181,760.6333 EASTING: 737,225.0031</p> <p>A = NE. POST, OVERHEAD BILLBOARD SIGN, 171.3', Az=270°          B = N. FACE CONC. MEDIAN, .25', Az=180°</p> <p>S.R. 14 (WEST BOUND)          S.R. 14 (EAST BOUND)</p> <p>P.I. 39+96.33+00 "S-14-A"          MAG NAIL SET AT GRADE</p>	<p><b>302</b> NORTHING: 181,760.6333 EASTING: 737,225.0031</p> <p>A = CEN. OF GAS SHUTOFF VALVE, 83.03', Az=85°</p> <p>S.R. 14 (WEST BOUND)          (CONC. MEDIAN)          S.R. 14 (EAST BOUND)</p> <p>P.O.T. 45+00 "S-14-A"          CHISELED "X" IN CONC. MEDIAN (+2.5' ABOVE GRADE)</p>	<p><b>303</b> NORTHING: 181,747.7750 EASTING: 738,228.5910</p> <p>A = CEN. INDOT BM "4-198", 133.70', Az=245°</p> <p>S.R. 14 (WEST BOUND BRIDGE)          S.R. 14 (EAST BOUND BRIDGE)</p> <p>P.O.T. 55+00 "S-14-A"          CHISELED "X" IN CONC. MEDIAN (+2.5' ABOVE GRADE)</p>	<p><b>304</b> NORTHING: 182,696.5091 EASTING: 738,160.5854</p> <p>A = SE CORNER CURVE AHEAD SIGN POST, 80.65', Az=225°          B = EDGE OF PAVEMENT, 9.5', Az=315°</p> <p>P.O.T. 4+27.75 "NWC-14-A"          MAG NAIL w/ WASHER SET AT GRADE</p>	<p><b>305</b> NORTHING: 182,077.6126 EASTING: 737,681.6460</p> <p>A = SE CORNER E. POST "TURN ONLY" SIGN, 17.61', Az=110°          B = NE CORNER W. POST "TURN ONLY" SIGN, 32.72', Az=335°</p> <p>P.C. 12+10.32 "NWC-14-A"          MAG NAIL w/ WASHER SET AT GRADE</p>
<p><b>306</b> NORTHING: 181,998.2946 EASTING: 737,620.2649</p> <p>A = NE CORNER CHEVRON SIGN POST, 11.47', Az=20°          B = EDGE OF PAVEMENT, 5.7', Az=100°</p> <p>P.I. 13+10.61          5/8 INCH REBAR w/ "STRAND ASSOC." ID CAP SET AT GRADE</p>	<p><b>307</b> NORTHING: 181,898.0090 EASTING: 737,618.9280</p> <p>A = NE CORNER CHEVRON SIGN POST, 111.25', Az=55°          B = SE CORNER "DO NOT ENTER" SIGN POST, 79.85', Az=185°          C = S. BOLT, TRAFFIC STRAIN POLE, 64.80', Az=300°</p> <p>S.R. 14 (WEST BOUND)</p> <p>P.T. 14+03.9          MAG NAIL w/ WASHER SET AT GRADE</p>	<p><b>308</b> NORTHING: 181,787.6077 EASTING: 737,617.4563</p> <p>A = NE CORNER CHEVRON SIGN POST, 221.63', Az=0°          B = SE CORNER "DO NOT ENTER" SIGN POST, 39.17', Az=330°          C = S. BOLT, TRAFFIC STRAIN POLE, 64.80', Az=300°</p> <p>S.R. 14 (WEST BOUND)</p> <p>P.O.T. 15+14.31 "NWC-14-A"          MAG NAIL w/ WASHER SET AT GRADE</p>	<p><b>309</b> NORTHING: 181,799.0488 EASTING: 737,973.3838</p> <p>A = NE CORNER S. POST, 18.28', Az=355°          B = SE CORNER GUARDRAIL END POST, 40.65', Az=75°</p> <p>S.R. 14 (WEST BOUND)</p> <p>P.O.C. 0+00 "N-W-L"          MAG NAIL w/ WASHER SET AT GRADE</p>	<p><b>310</b> NORTHING: 182,210.7670 EASTING: 737,938.2484</p> <p>A = E. END OF 24" CULVERT, 155.6', Az=265°          B = EDGE OF PAVEMENT, 8.6', Az=160°</p> <p>P.O.C. 6+00 "N-W-L"          MAG NAIL w/ WASHER SET AT GRADE</p>	<p><b>311</b> NORTHING: 182,007.2271 EASTING: 737,982.9927</p> <p>A = E. END OF 24" CULVERT, 155.6', Az=265°          B = NORTH RIM OF TELEPHONE MANHOLE, 197.6', Az=185°</p> <p>S.R. 14 (WEST BOUND)</p> <p>RADIUS POINT "N-W-L"          5/8 INCH REBAR w/ "STRAND ASSOC." ID CAP SET AT GRADE</p>



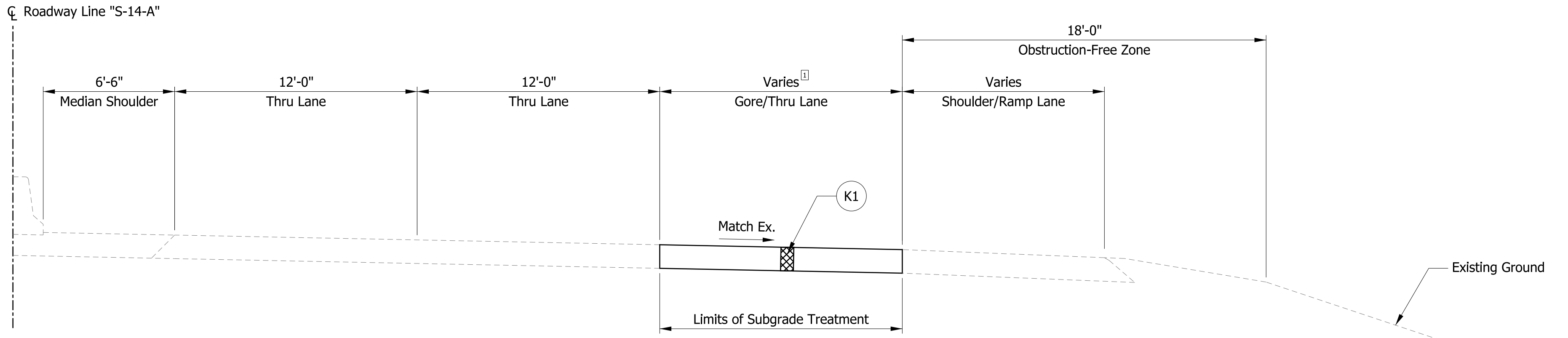
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		NA	1401828
CHECKED: MAR CHECKED: MAR		SURVEY BOOK NO.	SHEETS
		CONTRACT NO. R-38565	2 of 81
			PROJECT NO. 1401828



**PROPOSED TYPICAL SECTION: SR 14/ILLINOIS RD.**

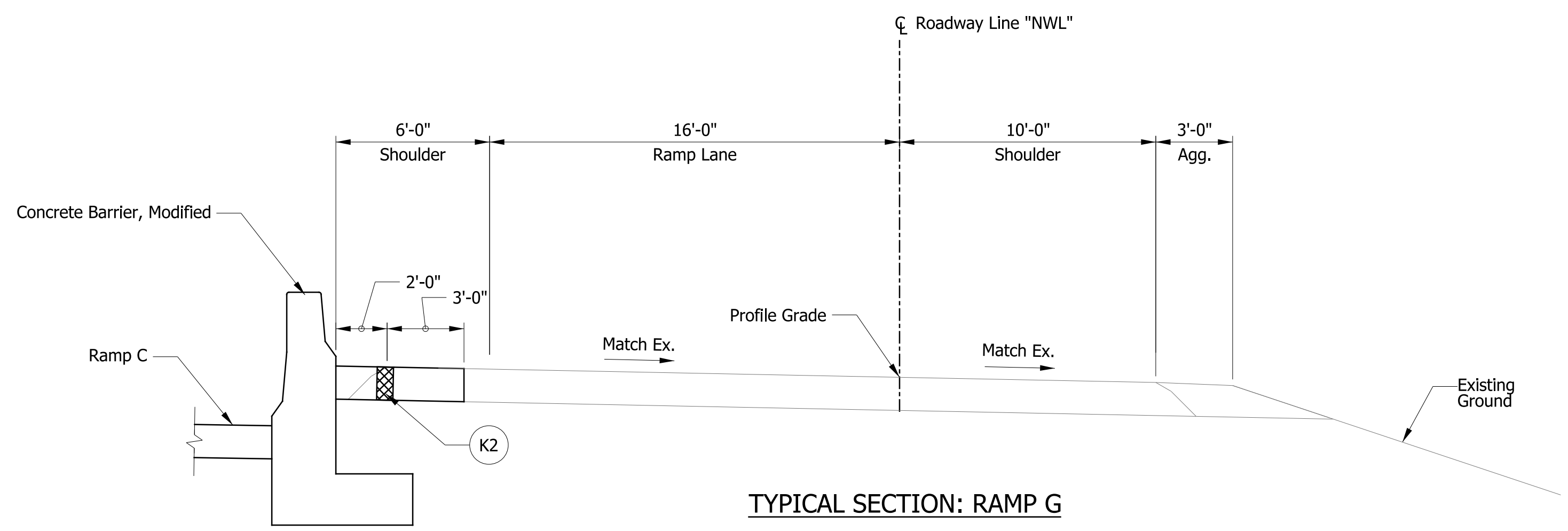
Sta. 40+19.13 "S-14-A" to Sta. 47+75.52 "S-14-A" EB



**PROPOSED TYPICAL SECTION: SR 14/ILLINOIS RD.**

Sta. 39+16.12 "S-14-A" to Sta. 40+19.13 "S-14-A" EB

Varies from 3.09' through 26.61' from Sta. 39+16.12 to Sta. 40+19.13

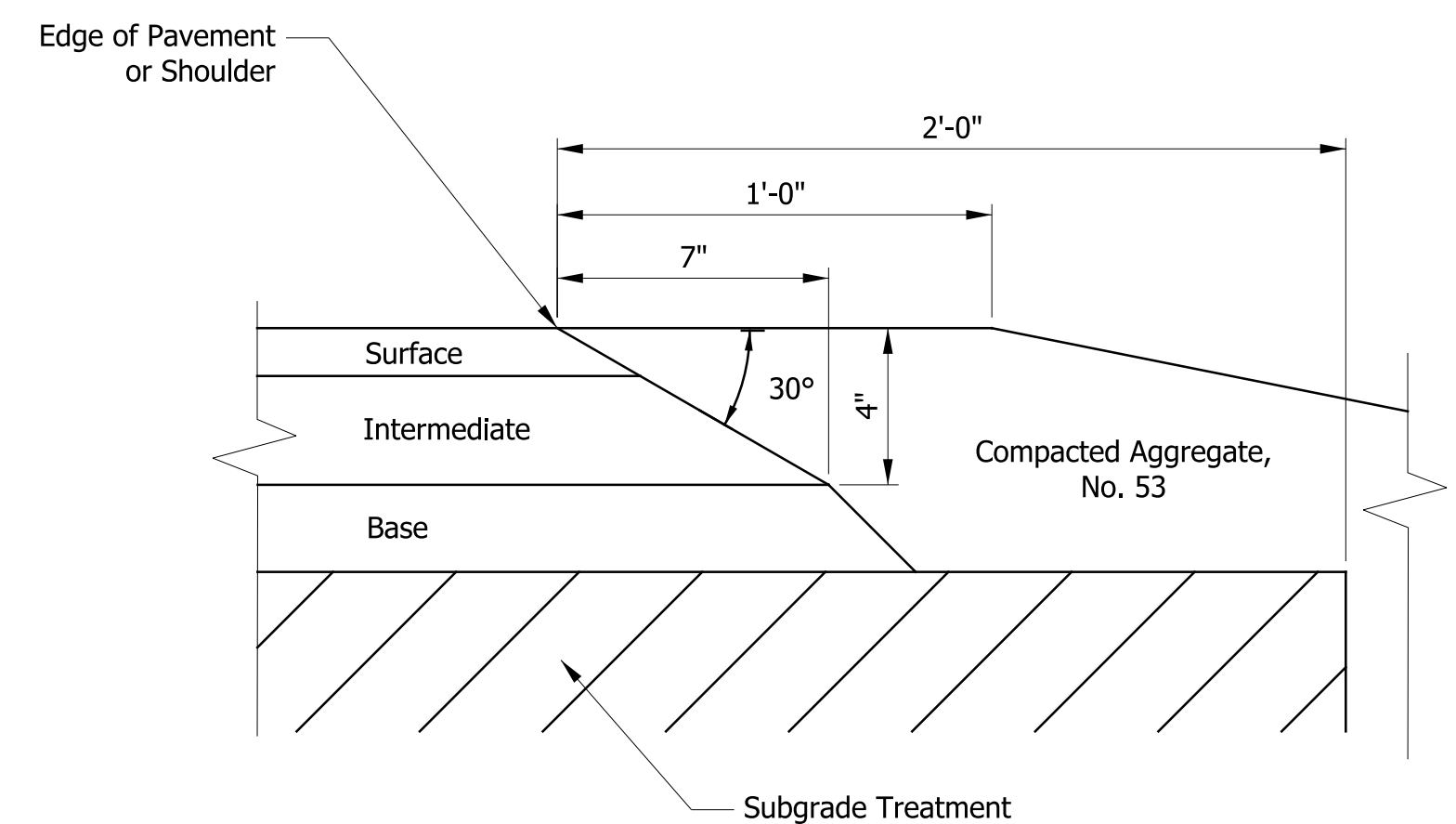


**TYPICAL SECTION: RAMP G**

Sta. 4+27.75 "NWL" to Sta. 5+30.00 "NWL"

**LEGEND**

- J Compacted Aggregate, No. 53
- K1 165#/Sys QC/QA-HMA, 4, 76, Surface, 9.5 mm, on 275#/Sys QC/QA-HMA, 4, 76, Intermediate, 19.0 mm, on 495#/Sys QC/QA-HMA, 4, 64, Base, 25 mm, on 495 #/Sys Min., QC/QA-HMA, 4, 64, Base, 25 mm, on Subgrade Treatment IC
- K2 165#/Sys HMA Surface, Type C, on 275#/Sys HMA Intermediate, Type C, on 550#/Sys HMA Base, Type C, on 550#/Sys HMA Base, Type C, on Subgrade Treatment Type IC
- R1 165#/Sys QC/QA-HMA, 4, 76, Surface, 9.5 mm, on 275#/Sys QC/QA-HMA, 4, 76, Intermediate, 19.0 mm, on Asphalt Milling, 4 Inches
- 26 Seeding



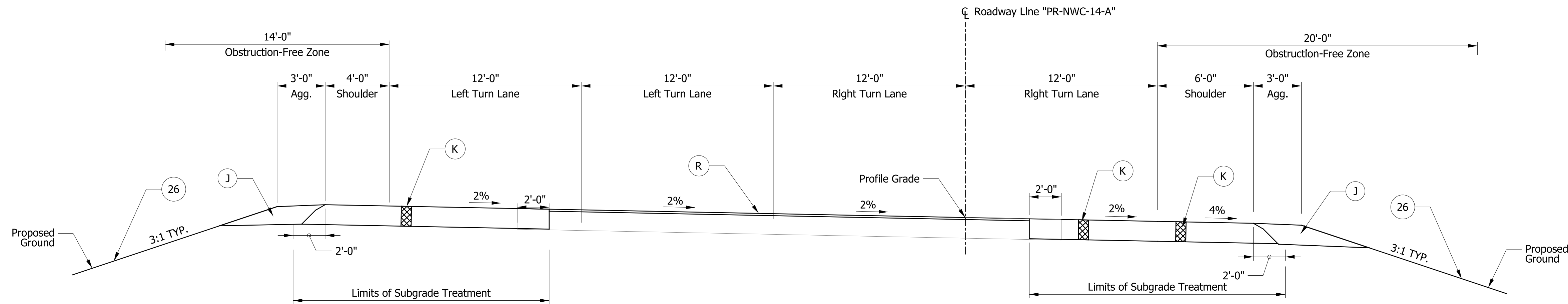
**SAFETY EDGE ON HMA PAVEMENT**

NOTE: SR 14/Illinois Road and Ramp G resurfacing to be completed under Des. 1600115.

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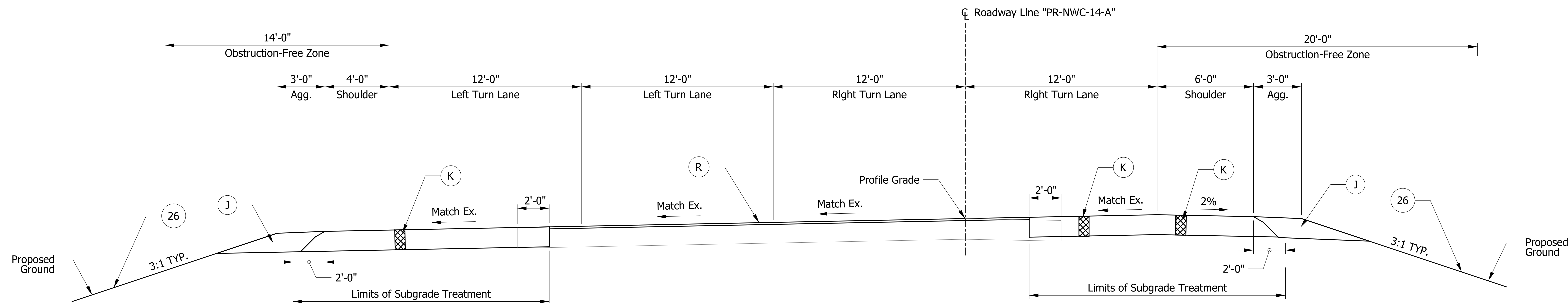
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CHECKED: MAR	CHECKED: MAR		TYPICAL CROSS SECTION I-69 AT SR 14/ILLINOIS RD	VERTICAL SCALE	DESIGNATION NO.
					1401828
				SURVEY BOOK NO.	SHEETS
			CONTRACT NO.	3 of 81	
			R-38565	PROJECT NO.	1401828

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**PROPOSED TYPICAL SECTION: RAMP C**

Sta. 7+13.00 "PR-NWC-14-A" to Sta. 10+62.78 "PR-NWC-14-A"



**PROPOSED SUPERELEVATED TYPICAL SECTION: RAMP C**

Sta. 11+80.00 "PR-NWC-14-A" to Sta. 15+01.83 "PR-NWC-14-A"

**LEGEND**

- (J) Compacted Aggregate, No. 53
- (K) 165#/Sys QC/QA-HMA, 3, 70, Surface, 9.5 mm, on 275#/Sys QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on 550#/Sys QC/QA-HMA, 3, 64, Base, 25 mm, on 300#/Sys QC/QA-HMA, 4, 76, Intermediate OG, 19 mm, on 4 IN Compacted Aggregate, NO. 53, on Subgrade Treatment IC
- (R) 165#/Sys QC/QA-HMA, 3, 70, Surface, 9.5 mm, on Asphalt Milling, 1.5 Inches
- (26) Seeding

NOTE: SR 14/Illinois Road resurfacing to be completed under Des. 1600115.

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB		
CHECKED: MAR	CHECKED: MAR		

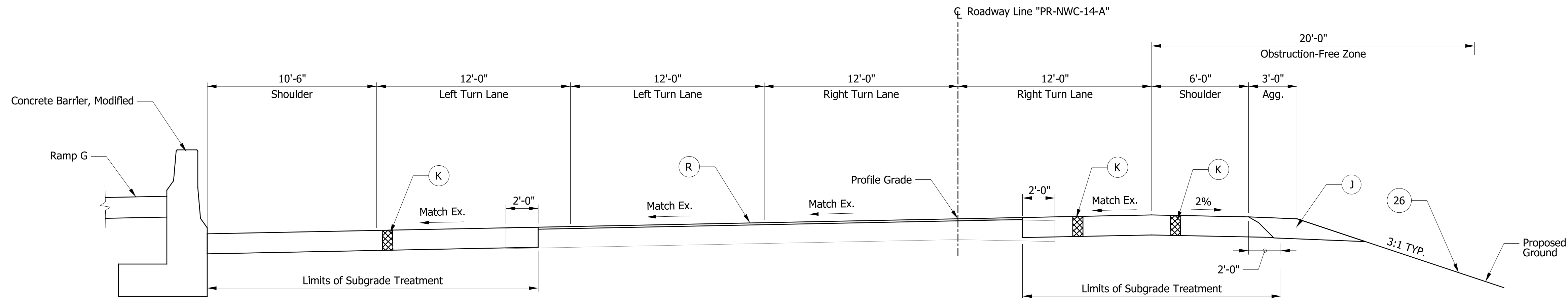
INDIANA DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTION  
I-69 AT SR 14/ILLINOIS RD

HORIZONTAL SCALE	BRIDGE FILE NO.
1/4" = 1'-0"	NA
VERTICAL SCALE	DESIGNATION NO.
	1401828
SURVEY BOOK NO.	SHEETS
	4 of 81
CONTRACT NO.	PROJECT NO.
R-38565	1401828

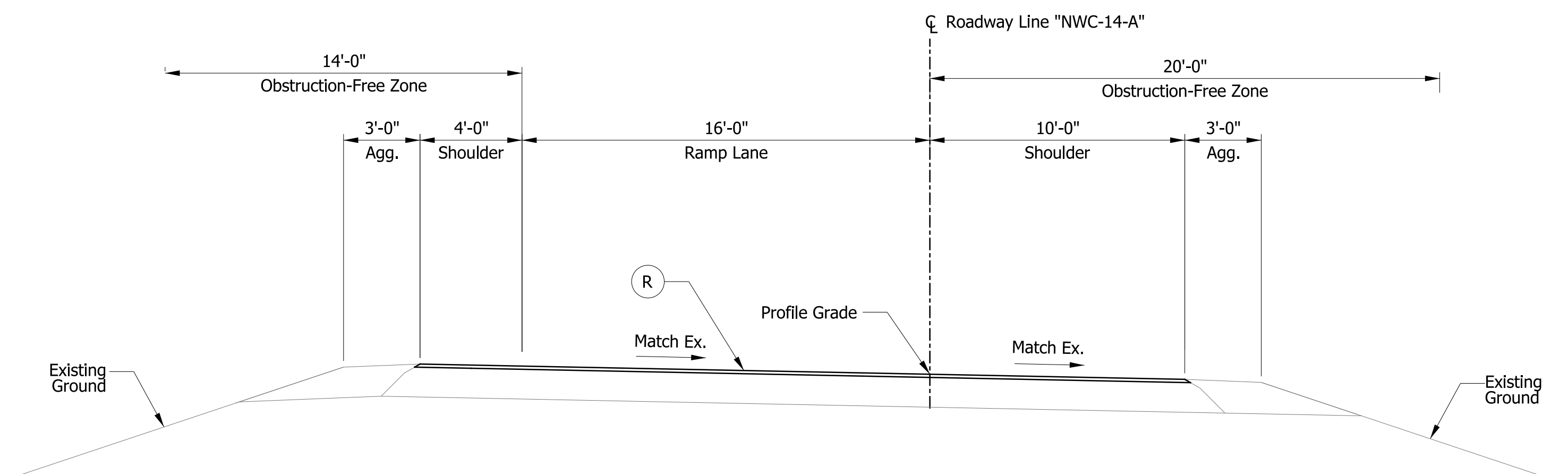


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**PROPOSED BARRIER WALL TYPICAL SECTION: RAMP C**

Sta. 10+62.87 "PR-NWC-14-A" to Sta. 11+80.00 "PR-NWC-14-A"



**INCIDENTAL TYPICAL SECTION: RAMP C**

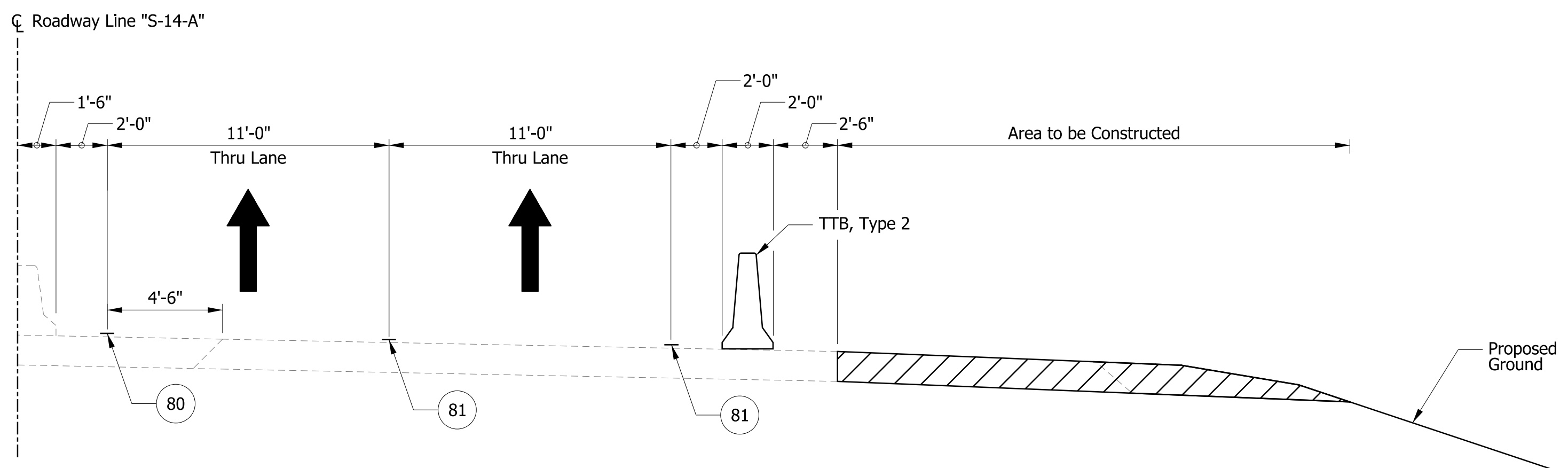
Sta. 1+27.40 "NWC-14-A" to Sta. 7+13.00 "NWC-14-A"

**LEGEND**

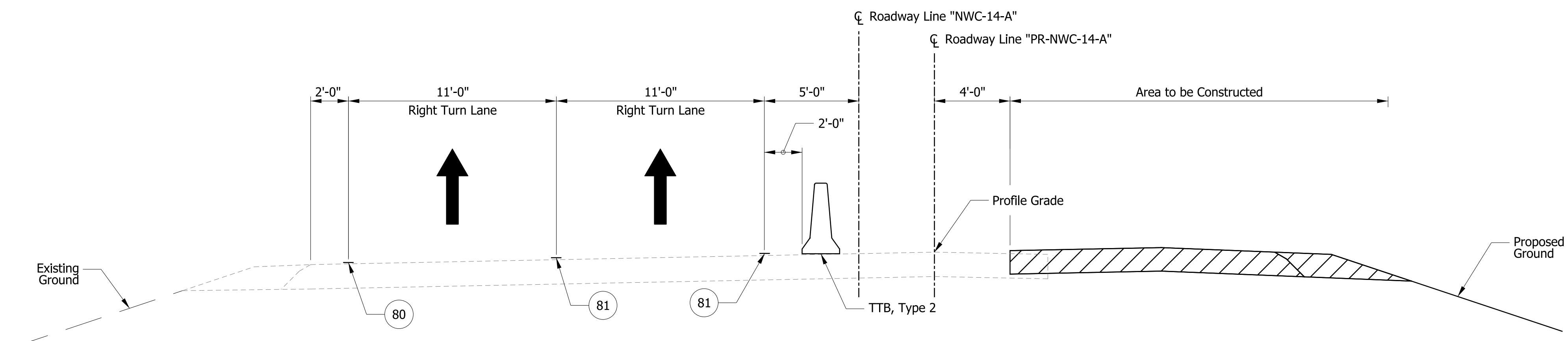
- (J) Compacted Aggregate, No. 53
- (K) 165#/Sys QC/QA-HMA, 3, 70, Surface, 9.5 mm, on 275#/Sys QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on 550#/Sys QC/QA-HMA, 3, 64, Base, 25 mm, on 300#/Sys QC/QA-HMA, 4, 76, Intermediate OG, 19 mm, on 4 IN Compacted Aggregate, NO. 53, on Subgrade Treatment IC
- (R) 165#/Sys QC/QA-HMA, 3, 70, Surface, 9.5 mm, on Asphalt Milling, 1.5 Inches
- (26) Seeding

NOTE: SR 14/Illinois Road resurfacing to be completed under Des. 1600115.

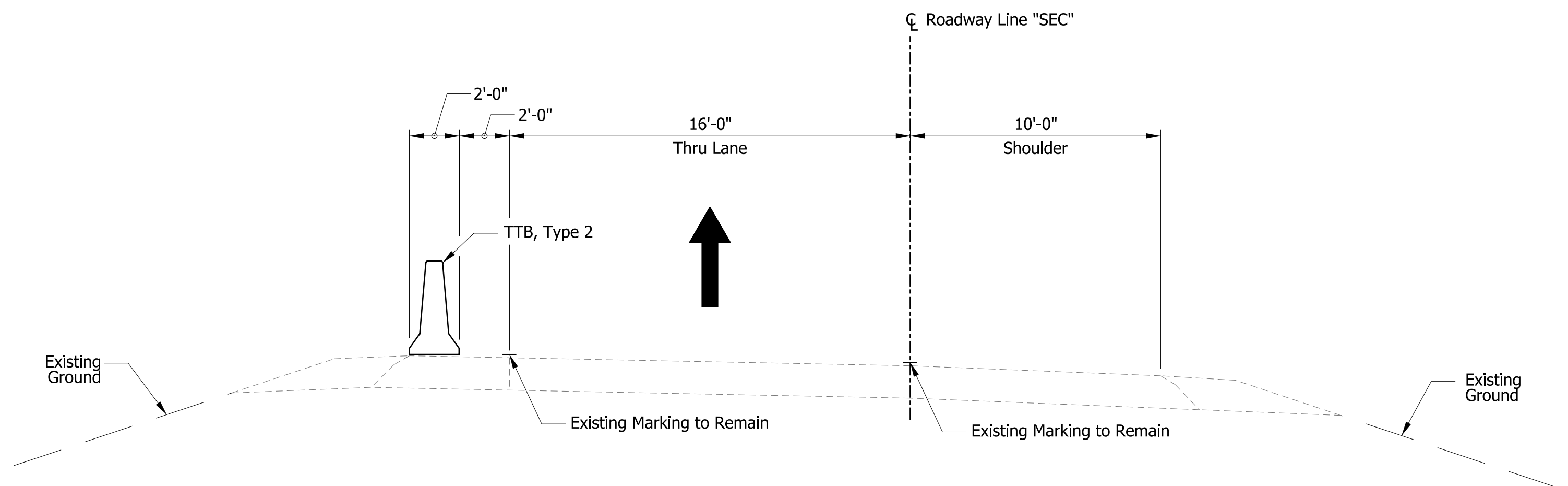
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DESIGNED: ALB	DRAWN: ACB	TYPICAL CROSS SECTION I-69 AT SR 14/ILLINOIS RD		VERTICAL SCALE	DESIGNATION NO.
CHECKED: MAR	CHECKED: MAR				1401828
				SURVEY BOOK NO.	SHEETS
					5 of 81
				CONTRACT NO.	PROJECT NO.
				R-38565	1401828



**MOT TYPICAL SECTION: SR 14/ILLINOIS RD., PHASE 1**  
Sta. 54+55.57 "S-14-A" to Sta. 57+25.47 "S-14-A" EB



**MOT TYPICAL SECTION: RAMP C, PHASE 1 (DES. 1401828)**  
Sta. 6+63.68 "PR-NWC-14-A" to Sta. 15+01.83 "PR-NWC-14-A"



**MOT TYPICAL SECTION: RAMP A, PHASE 1 (DES. 1800091)**  
Sta. 11+69.90 "SEC" to Sta. 13+17.17 "SEC"

**LEGEND**

- 80 Temporary Pavement Marking, Yellow, Solid, 4"
- 81 Temporary Pavement Marking, White, Solid, 4"
- 82 Temporary Pavement Marking, White, Broken, 4"
- 83 Temporary Pavement Marking, White, Broken, 5"
- TTB Temporary Traffic Barrier, Type 2
- Construction Area

**NOTES**

- I-69: Construction Zone Design Speed = 55 mph  
Construction Clear Zone = 23 ft
- I-69 Ramps: Construction Zone Design Speed = Varies 30 to 45 mph  
Construction Clear Zone = Varies 13 to 16 ft
- SR 14: Construction Zone Design Speed = 45 mph  
Construction Clear Zone = 16 ft

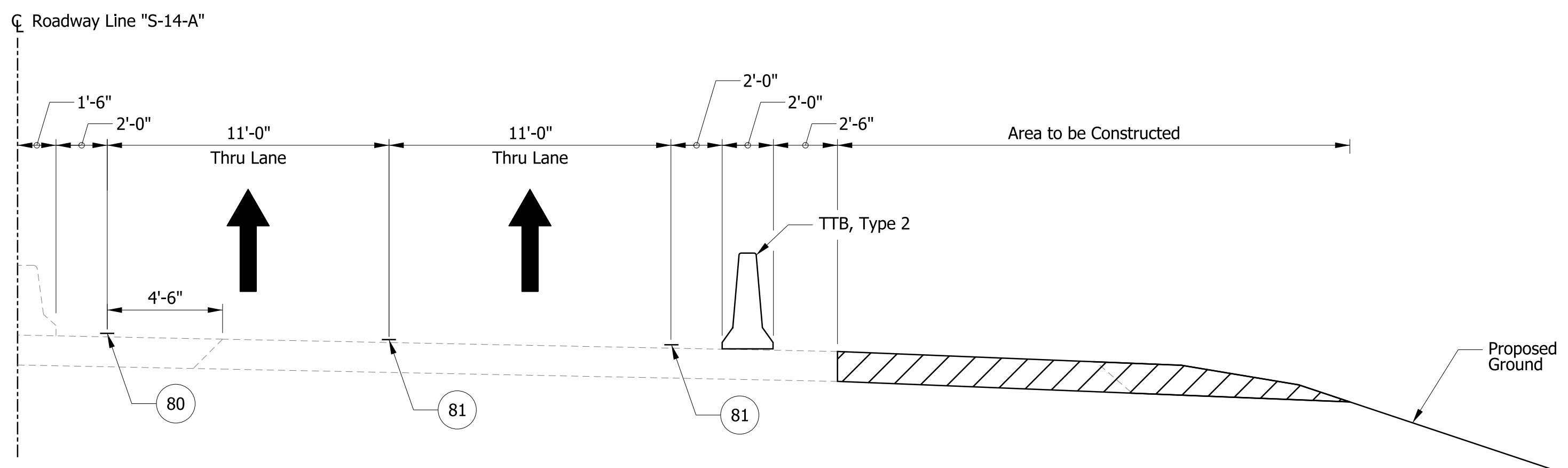
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

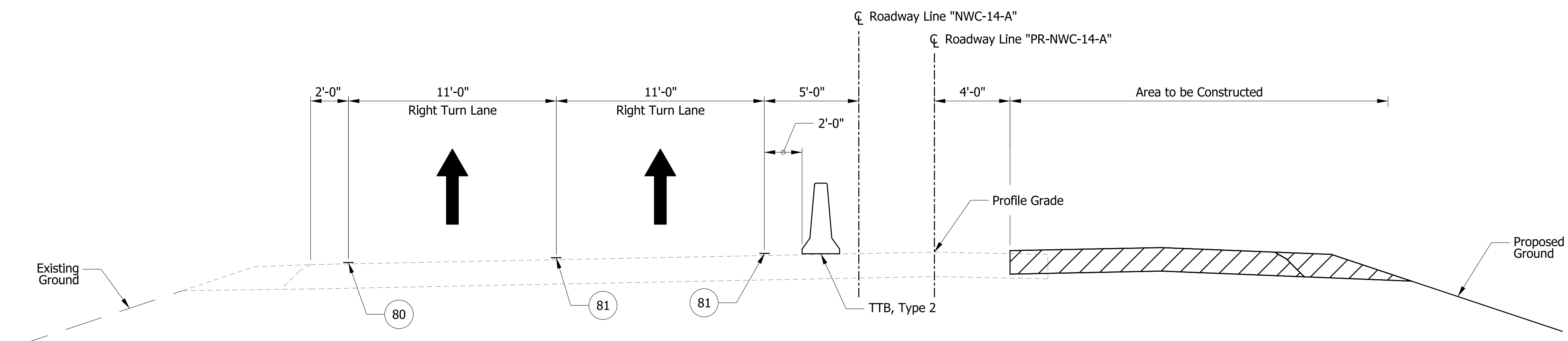
**INDIANA DEPARTMENT OF TRANSPORTATION**

**MOT TYPICAL CROSS SECTIONS PHASE 1**

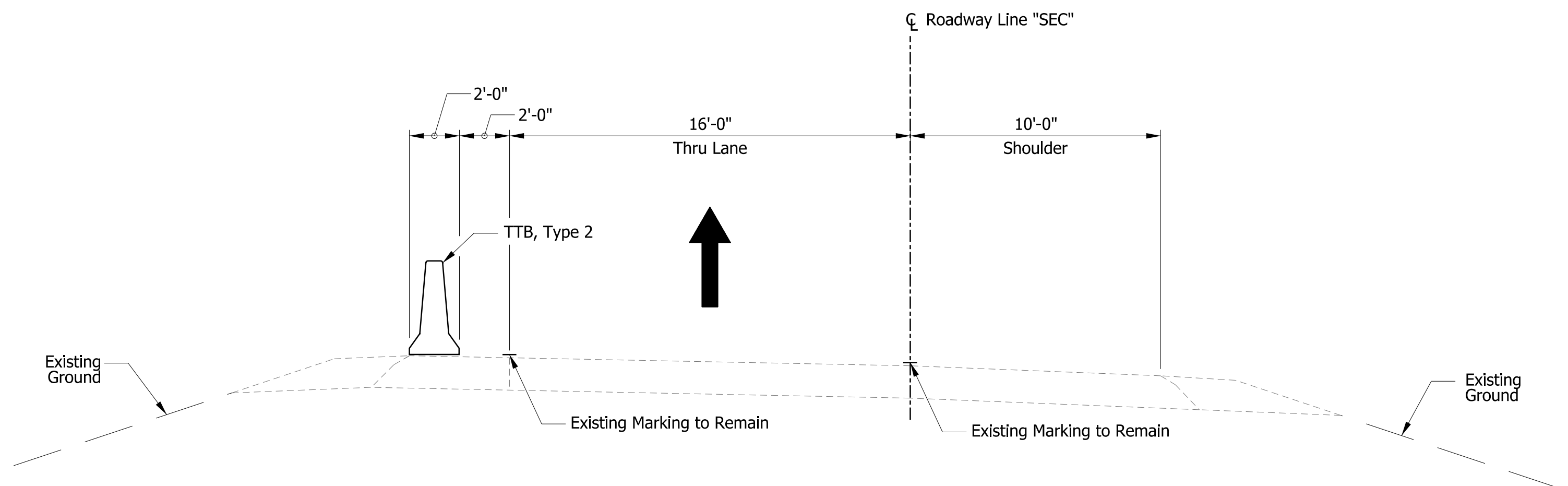
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1/4" = 1'-0"	NA
VERTICAL SCALE	DESIGNATION NO.
	1401828
SURVEY BOOK NO.	SHEETS
	6 of 81
CONTRACT NO.	PROJECT NO.
R-38565	1401828



**MOT TYPICAL SECTION: SR 14/ILLINOIS RD., PHASE 1**  
Sta. 54+55.57 "S-14-A" to Sta. 57+25.47 "S-14-A" EB



**MOT TYPICAL SECTION: RAMP C, PHASE 1 (DES. 1401828)**  
Sta. 6+63.68 "PR-NWC-14-A" to Sta. 15+01.83 "PR-NWC-14-A"



**MOT TYPICAL SECTION: RAMP A, PHASE 1 (DES. 1800091)**  
Sta. 11+69.90 "SEC" to Sta. 13+17.17 "SEC"

**LEGEND**

- 80 Temporary Pavement Marking, Yellow, Solid, 4"
- 81 Temporary Pavement Marking, White, Solid, 4"
- 82 Temporary Pavement Marking, White, Broken, 4"
- 83 Temporary Pavement Marking, White, Broken, 5"
- TTB Temporary Traffic Barrier, Type 2
- Construction Area

**NOTES**

- I-69: Construction Zone Design Speed = 55 mph  
Construction Clear Zone = 23 ft
- I-69 Ramps: Construction Zone Design Speed = Varies 30 to 45 mph  
Construction Clear Zone = Varies 13 to 16 ft
- SR 14: Construction Zone Design Speed = 45 mph  
Construction Clear Zone = 16 ft

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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

**INDIANA DEPARTMENT OF TRANSPORTATION**

**MOT TYPICAL CROSS SECTIONS PHASE 1**

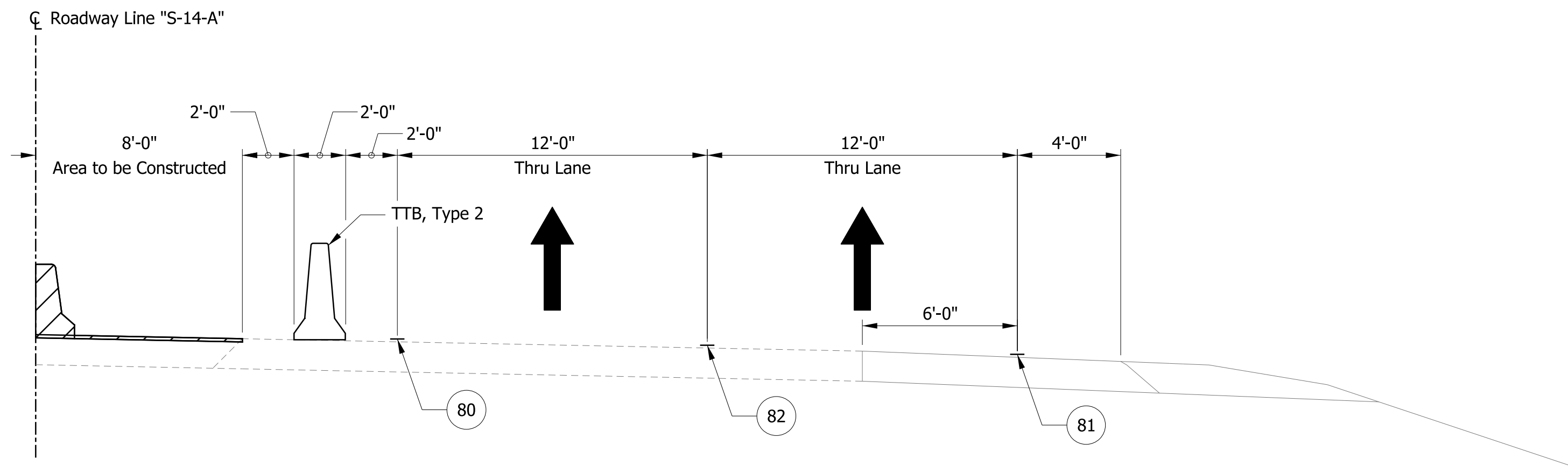
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1/4" = 1'-0"	NA
VERTICAL SCALE	DESIGNATION NO.
	1401828
SURVEY BOOK NO.	SHEETS
	7 of 81
CONTRACT NO.	PROJECT NO.
R-38565	1401828

**LEGEND**

- ⊙ 80 Temporary Pavement Marking, Yellow, Solid, 4"
- ⊙ 81 Temporary Pavement Marking, White, Solid, 4"
- ⊙ 82 Temporary Pavement Marking, White, Broken, 4"
- ⊙ 83 Temporary Pavement Marking, White, Broken, 5"
- TTB Temporary Traffic Barrier, Type 2
- ▨ Construction Area

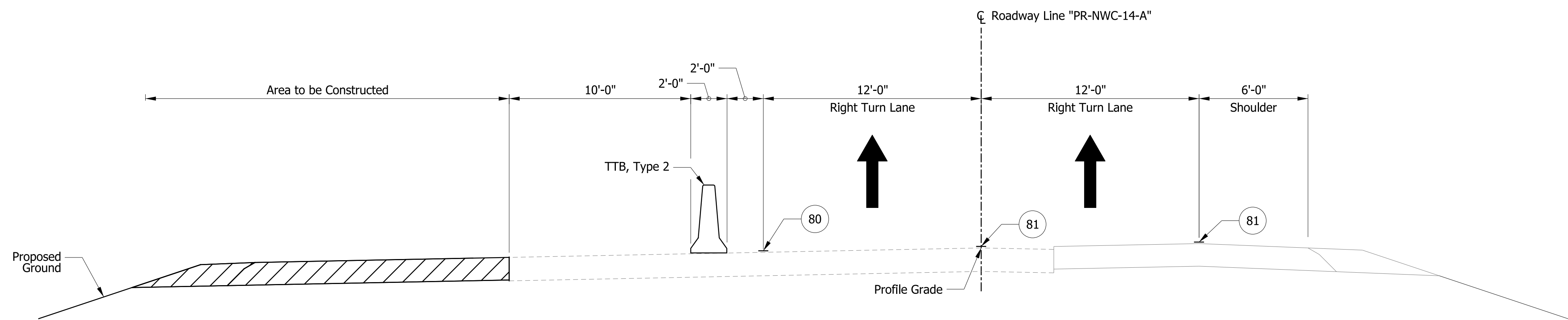
**NOTES**

1. Mill and overlay on Ramp C shall be completed with surface course in Phase 2.
- I-69: Construction Zone Design Speed = 55 mph  
Construction Clear Zone = 23 ft
- I-69 Ramps: Construction Zone Design Speed = Varies 30 to 45 mph  
Construction Clear Zone = Varies 13 to 16 ft
- SR 14: Construction Zone Design Speed = 45 mph  
Construction Clear Zone = 16 ft



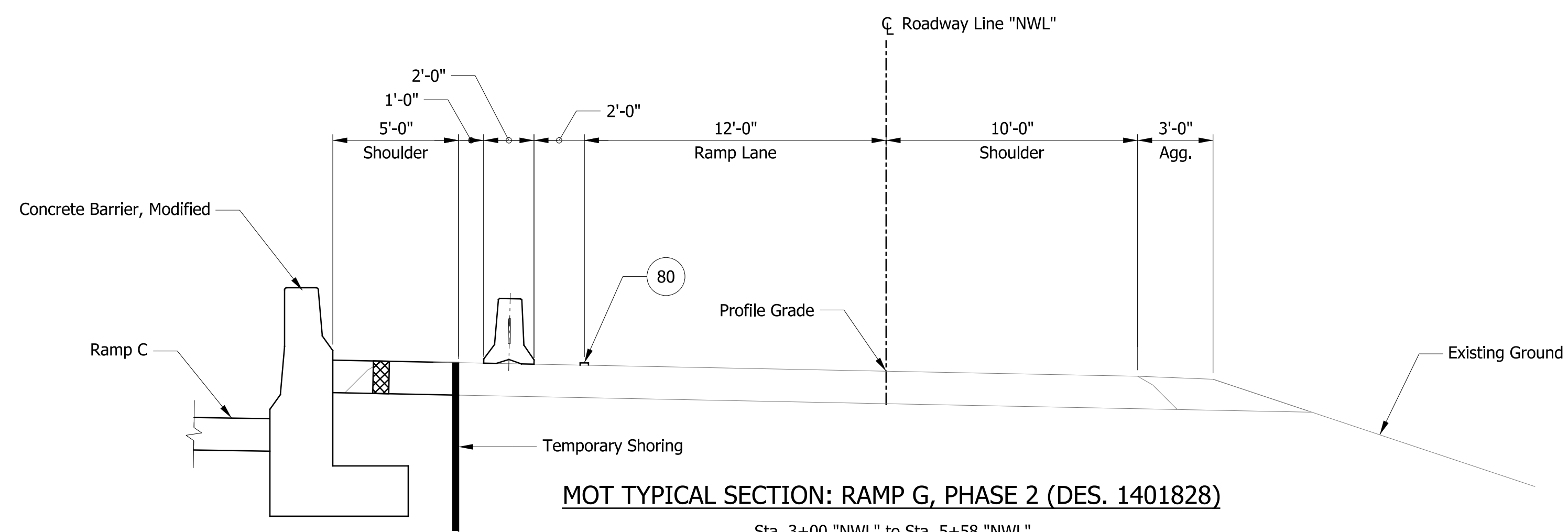
**MOT TYPICAL SECTION: SR 14/ILLINOIS RD., PHASE 2**

Sta. 43+37.08 "S-14-A" to Sta. 57+33.43 "S-14-A" EB  
Sta. 43+22.70 "S-14-A" to Sta. 56+83.43 "S-14-A" WB



**MOT TYPICAL SECTION: RAMP C, PHASE 2 (DES. 1401828)**

Sta. 6+13.62 "PR-NWC-14-A" to Sta. 15+01.87 "PR-NWC-14-A"



**MOT TYPICAL SECTION: RAMP G, PHASE 2 (DES. 1401828)**

Sta. 3+00 "NWL" to Sta. 5+58 "NWL"

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB		
CHECKED: MAR	CHECKED: MAR		

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**MOT TYPICAL CROSS SECTIONS  
PHASE 2**

HORIZONTAL SCALE	BRIDGE FILE NO.
1/4" = 1'-0"	NA
VERTICAL SCALE	DESIGNATION NO.
	1401828
SURVEY BOOK NO.	SHEETS
	8 of 81
CONTRACT NO.	PROJECT NO.
R-38565	1401828

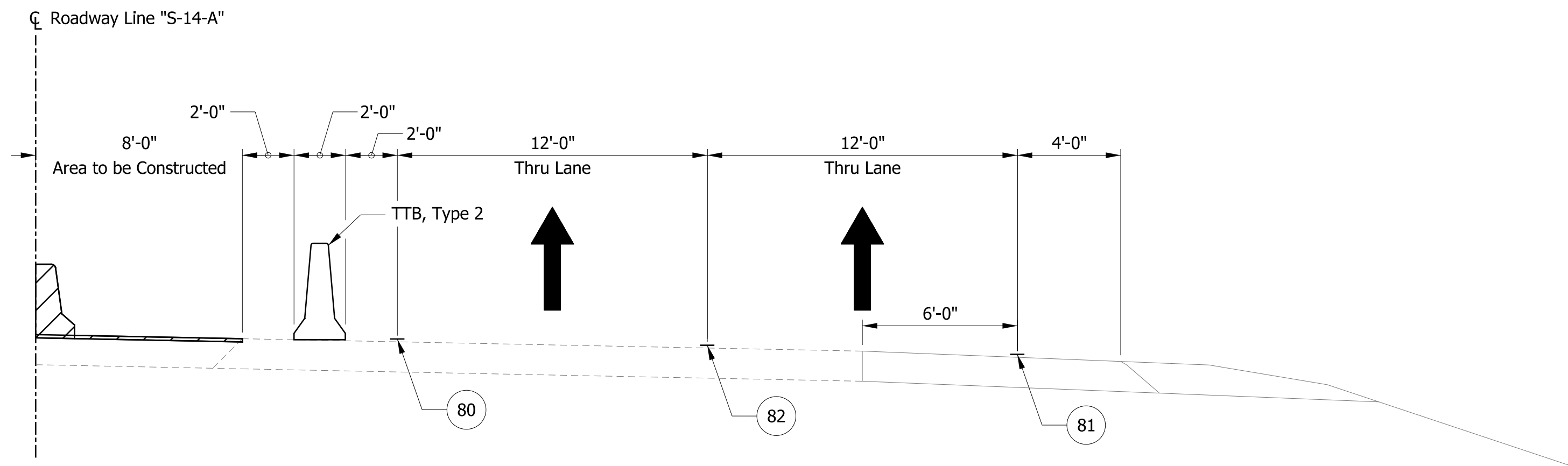
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**LEGEND**

- ⊙ 80 Temporary Pavement Marking, Yellow, Solid, 4"
- ⊙ 81 Temporary Pavement Marking, White, Solid, 4"
- ⊙ 82 Temporary Pavement Marking, White, Broken, 4"
- ⊙ 83 Temporary Pavement Marking, White, Broken, 5"
- TTB Temporary Traffic Barrier, Type 2
- ▨ Construction Area

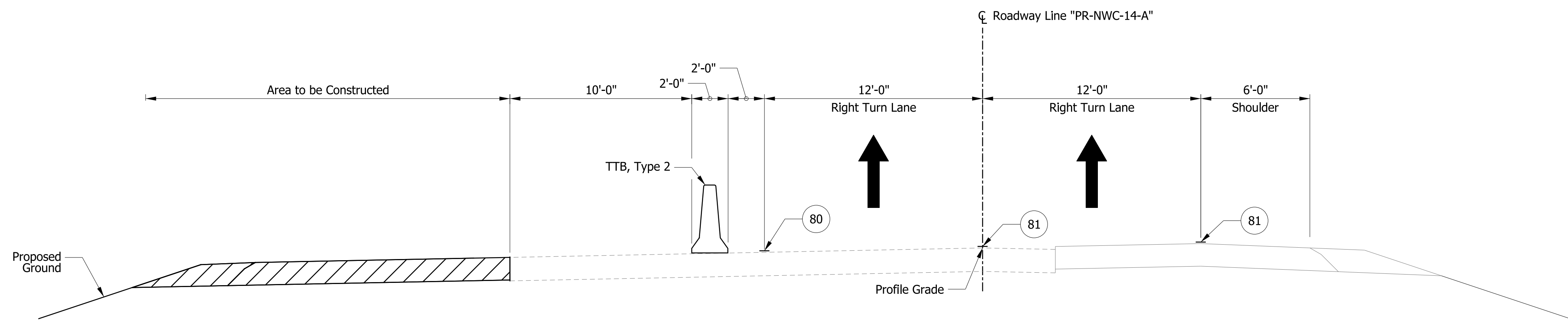
**NOTES**

1. Mill and overlay on Ramp C shall be completed with surface course in Phase 2.
- I-69: Construction Zone Design Speed = 55 mph  
Construction Clear Zone = 23 ft
- I-69 Ramps: Construction Zone Design Speed = Varies 30 to 45 mph  
Construction Clear Zone = Varies 13 to 16 ft
- SR 14: Construction Zone Design Speed = 45 mph  
Construction Clear Zone = 16 ft



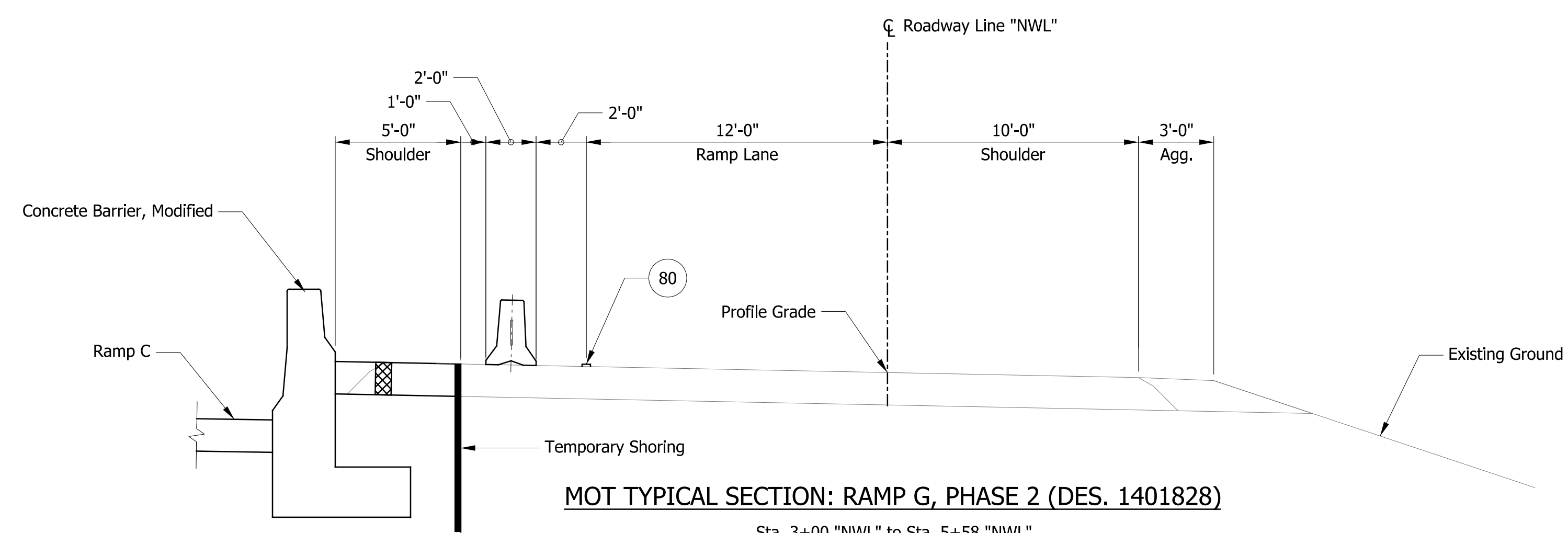
**MOT TYPICAL SECTION: SR 14/ILLINOIS RD., PHASE 2**

Sta. 43+37.08 "S-14-A" to Sta. 57+33.43 "S-14-A" EB  
Sta. 43+22.70 "S-14-A" to Sta. 56+83.43 "S-14-A" WB



**MOT TYPICAL SECTION: RAMP C, PHASE 2 (DES. 1401828)**

Sta. 6+13.62 "PR-NWC-14-A" to Sta. 15+01.87 "PR-NWC-14-A"



**MOT TYPICAL SECTION: RAMP G, PHASE 2 (DES. 1401828)**

Sta. 3+00 "NWL" to Sta. 5+58 "NWL"

RECOMMENDED FOR APPROVAL \_\_\_\_\_  
DESIGN ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

DESIGNED: ALB DRAWN: ACB  
CHECKED: MAR CHECKED: MAR

INDIANA DEPARTMENT OF TRANSPORTATION

MOT TYPICAL CROSS SECTIONS PHASE 2

HORIZONTAL SCALE	BRIDGE FILE NO.
1/4" = 1'-0"	NA
VERTICAL SCALE	DESIGNATION NO.
	1401828
SURVEY BOOK NO.	SHEETS
	9 of 81
CONTRACT NO.	PROJECT NO.
R-38565	1401828

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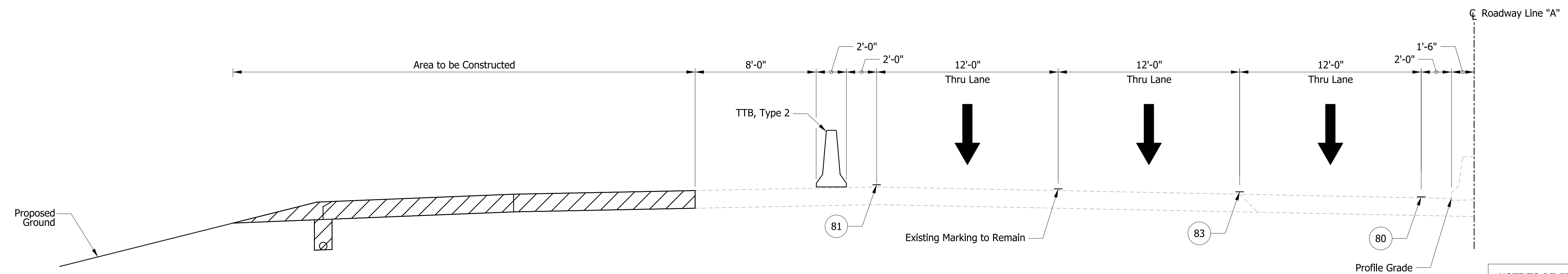
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**NOTES**

- 1. ITS handholes located in median shoulder shall be filled with Structure Backfill, Type 5.
- I-69: Construction Zone Design Speed = 55 mph  
Construction Clear Zone = 23 ft
- I-69 Ramps: Construction Zone Design Speed = Varies 30 to 45 mph  
Construction Clear Zone = Varies 13 to 16 ft
- SR 14: Construction Zone Design Speed = 45 mph  
Construction Clear Zone = 16 ft

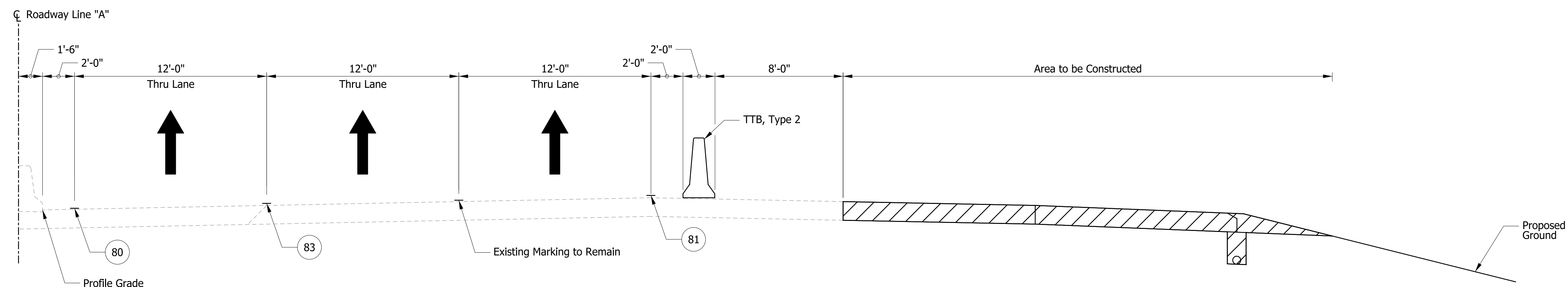
**LEGEND**

- 80 Temporary Pavement Marking, Yellow, Solid, 4"
- 81 Temporary Pavement Marking, White, Solid, 4"
- 82 Temporary Pavement Marking, White, Broken, 4"
- 83 Temporary Pavement Marking, White, Broken, 5"
- TTB Temporary Traffic Barrier, Type 2
- Construction Area



**MOT TYPICAL SECTION: I-69 SB, PHASE 3**  
Sta. 208+16.12 "A" to Sta. 221+83.42 "A"

NOTE TO REVIEWER: Signs only shown on one side of divided highway, rather than both sides, because of barrier wall location.



**MOT TYPICAL SECTION: I-69 NB, PHASE 3**  
Sta. 221+36.06 "A" to Sta. 234+55.60 "A"

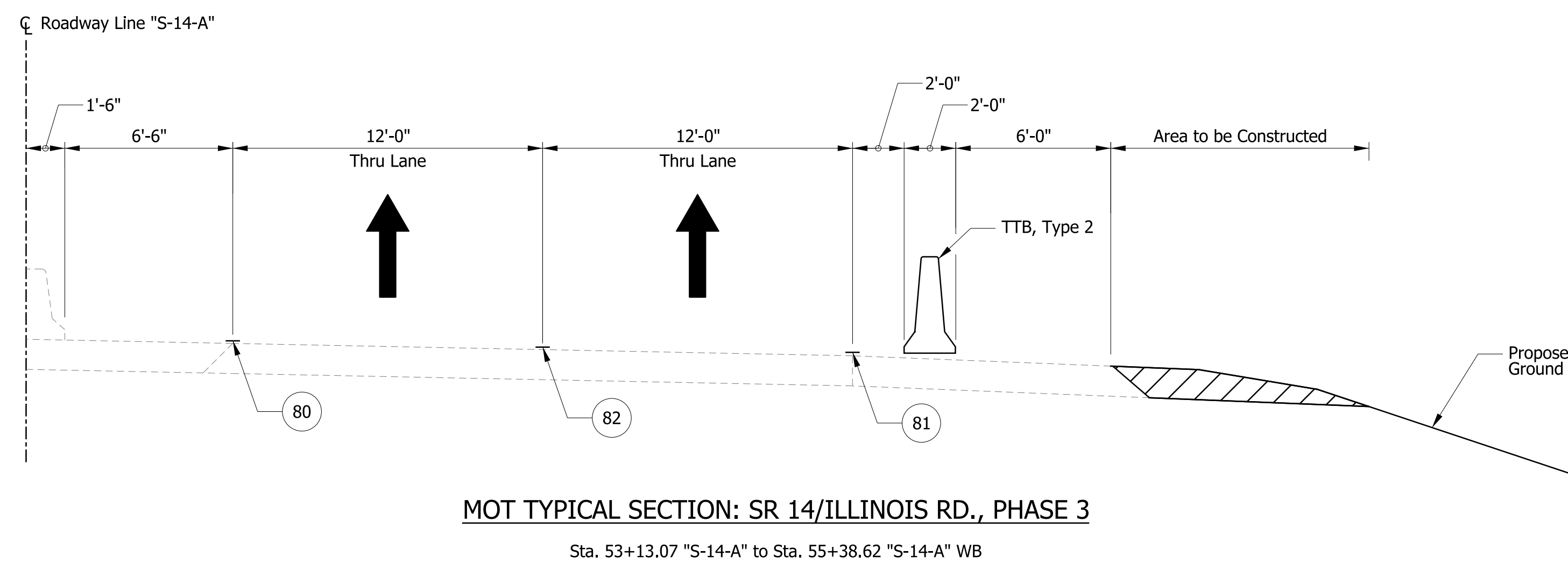
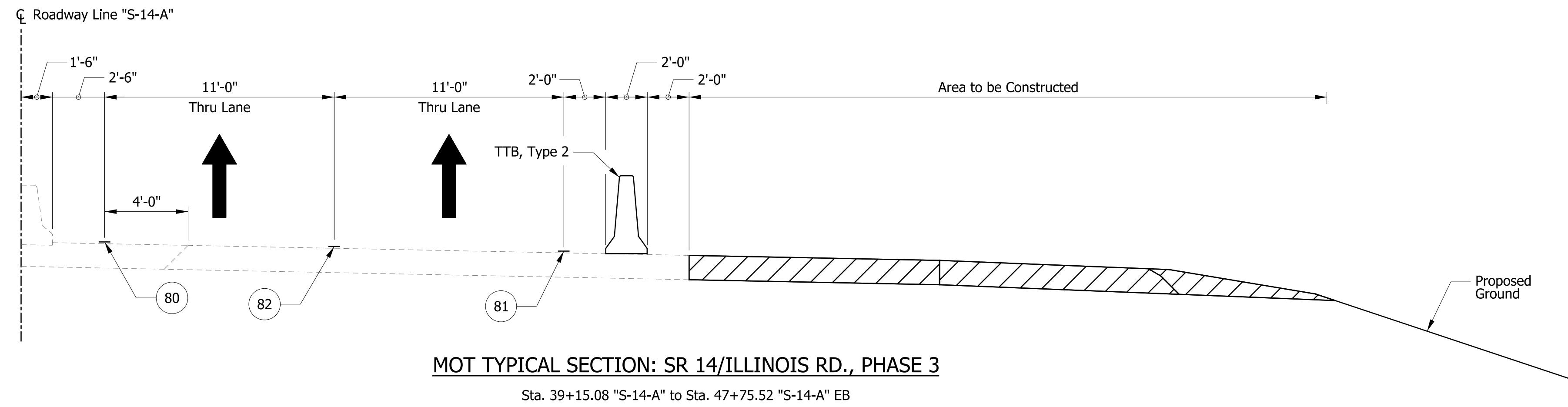
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE	BRIDGE FILE NO.
		1/4" = 1'-0"	NA
DESIGNED: ALB	DRAWN: ACB	VERTICAL SCALE	DESIGNATION NO.
CHECKED: MAR	CHECKED: MAR		1401828
<b>MOT TYPICAL CROSS SECTIONS</b>		SURVEY BOOK NO.	SHEETS
<b>PHASE 3 - I-69</b>		10	of 81
		CONTRACT NO.	PROJECT NO.
		R-38565	1401828

**LEGEND**

- ⊙ 80 Temporary Pavement Marking, Yellow, Solid, 4"
- ⊙ 81 Temporary Pavement Marking, White, Solid, 4"
- ⊙ 82 Temporary Pavement Marking, White, Broken, 4"
- ⊙ 83 Temporary Pavement Marking, White, Broken, 5"
- TTB Temporary Traffic Barrier, Type 2
- ▨ Construction Area

**NOTES**

- I-69: Construction Zone Design Speed = 55 mph  
Construction Clear Zone = 23 ft
- I-69 Ramps: Construction Zone Design Speed = Varies 30 to 45 mph  
Construction Clear Zone = Varies 13 to 16 ft
- SR 14: Construction Zone Design Speed = 45 mph  
Construction Clear Zone = 16 ft



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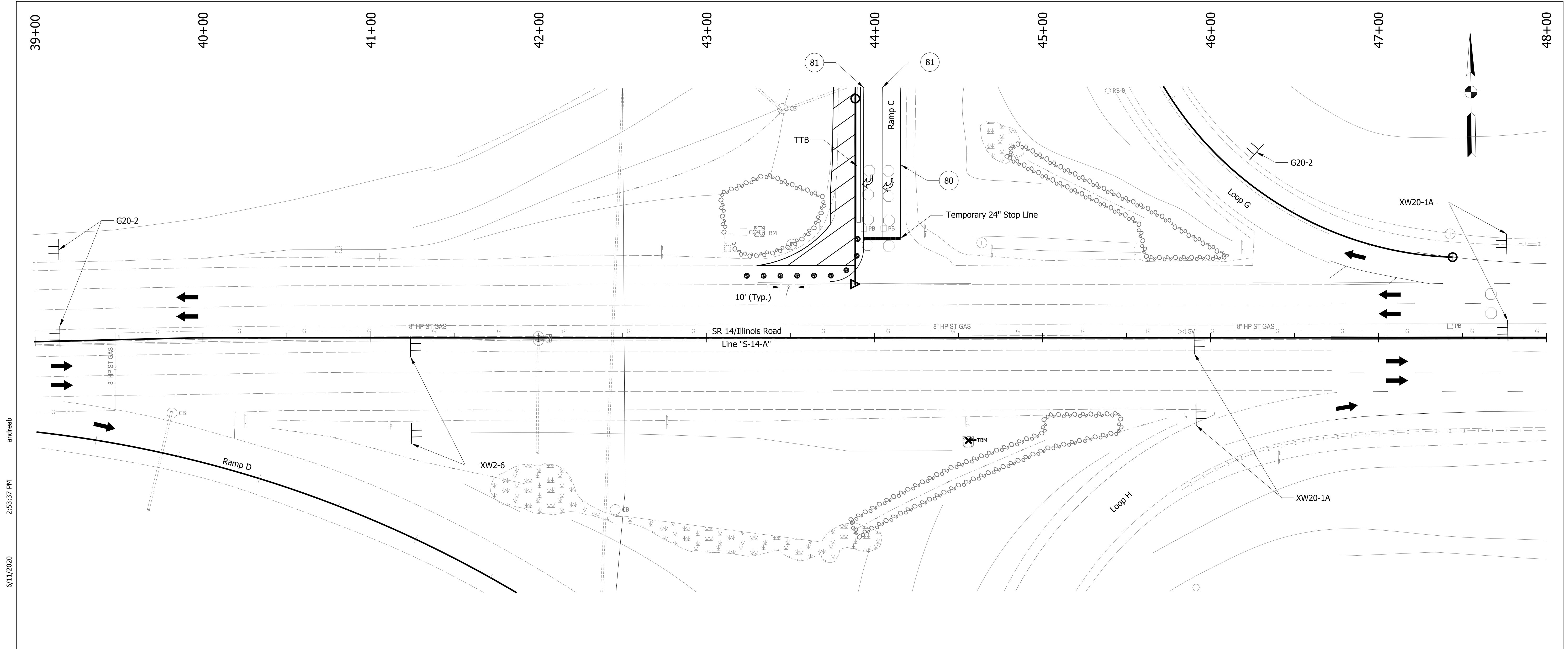
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RECOMMENDED FOR APPROVAL	
DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB
CHECKED: MAR	CHECKED: MAR

INDIANA DEPARTMENT OF TRANSPORTATION	
MOT TYPICAL CROSS SECTIONS PHASE 3 - SR 14/ILLINOIS RD	

HORIZONTAL SCALE 1/4" = 1'-0"	BRIDGE FILE NO. NA
VERTICAL SCALE	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 11 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828



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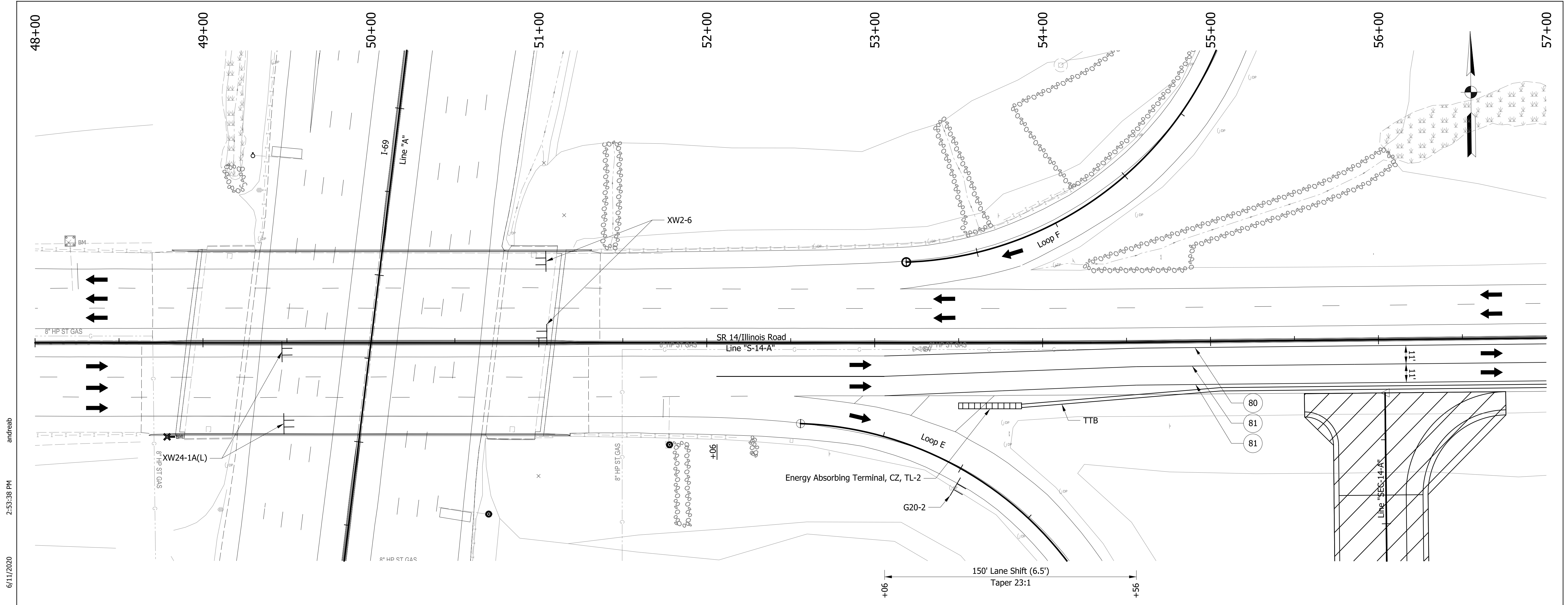
**LEGEND**

- 80 Temporary Pavement Marking, Yellow, Solid, 4"
- 81 Temporary Pavement Marking, White, Solid, 4"
- 82 Temporary Pavement Marking, White, Broken, 4"
- 83 Temporary Pavement Marking, White, Broken, 5"
- 84 Temporary Pavement Marking, White, Dotted, 8"
- 85 Temporary Pavement Marking, White, Solid, 8"
- TTB Temporary Traffic Barrier, Type 2
- Construction Area
- Construction Sign
- Drum, Temporary (Typ.)
- Type III-# Barricade
- Direction of Traffic
- Pavement Marking Break
- Portable Changeable Message Sign
- Speeding Max \$1000 Reckless Driving Max 6 Yrs  
XW2-6
- ROAD WORK AHEAD  
XW20-1A
- END ROAD WORK  
G20-2

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____	
DESIGNED: ALB	DRAWN: ACB		
CHECKED: MAR	CHECKED: MAR		

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**MAINTENANCE OF TRAFFIC**  
**PHASE 1 - SR 14/ILLINOIS RD**

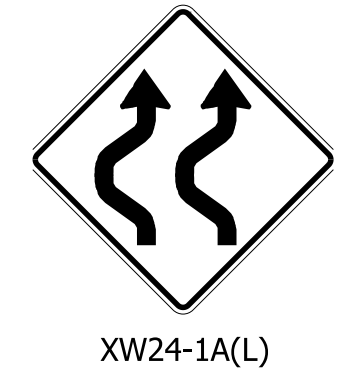
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VERTICAL SCALE NA	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 12 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828



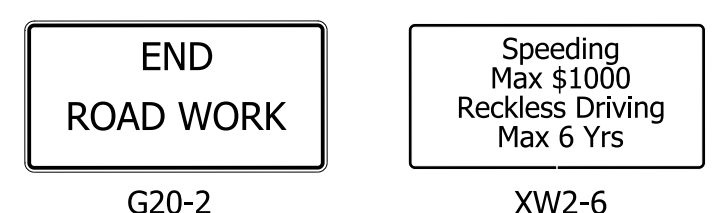
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**LEGEND**

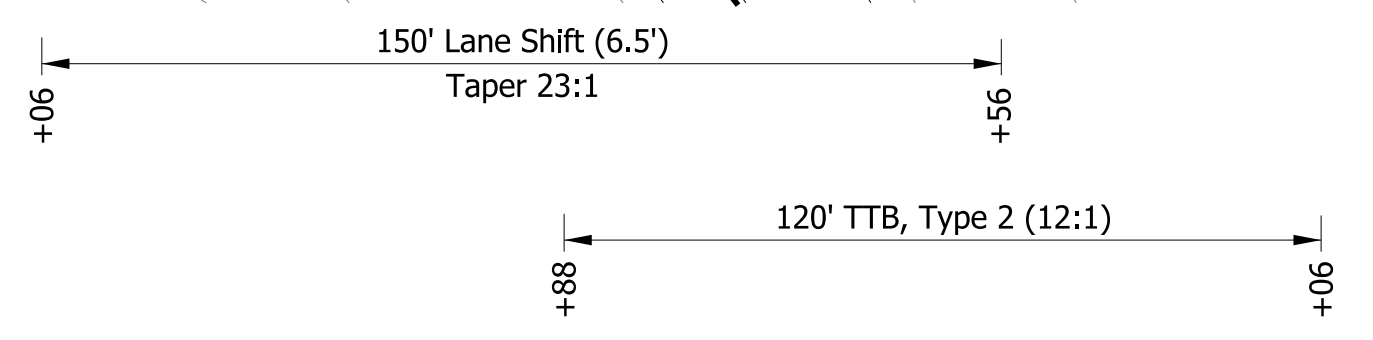
- 80 Temporary Pavement Marking, Yellow, Solid, 4"
- 81 Temporary Pavement Marking, White, Solid, 4"
- 82 Temporary Pavement Marking, White, Broken, 4"
- 83 Temporary Pavement Marking, White, Broken, 5"
- 84 Temporary Pavement Marking, White, Dotted, 8"
- 85 Temporary Pavement Marking, White, Solid, 8"
- TTB Temporary Traffic Barrier, Type 2
- Construction Area
- Construction Sign
- Drum, Temporary (Typ.)
- Type III-# Barricade
- Direction of Traffic
- Pavement Marking Break
- XXX Portable Changeable Message Sign



XW24-1A(L)



Construction Signs



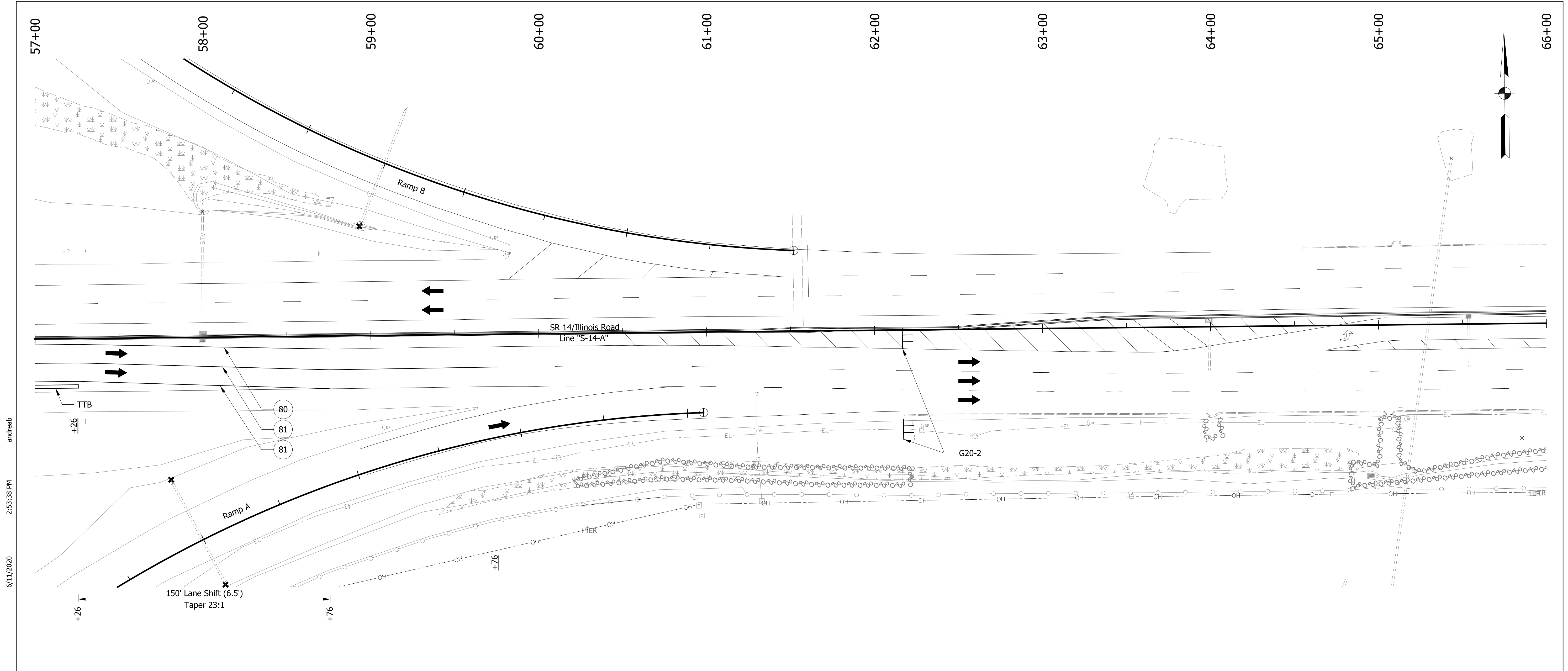
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RECOMMENDED FOR APPROVAL	
DESIGNED: ALB	DRAWN: ACB
CHECKED: MAR	CHECKED: MAR

**INDIANA DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PHASE 1 - SR 14/ILLINOIS RD**

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE NO. N/A
VERTICAL SCALE NA	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 13 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828



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**LEGEND**

- |      |   |       |                                  |
|------|---|-------|----------------------------------|
| (80) | Temporary Pavement Marking, Yellow, Solid, 4" | —+—+— | Construction Sign                |
| (81) | Temporary Pavement Marking, White, Solid, 4"  | ●     | Drum, Temporary (Typ.)           |
| (82) | Temporary Pavement Marking, White, Broken, 4" | —+—+— | Type III-# Barricade             |
| (83) | Temporary Pavement Marking, White, Broken, 5" | ➔     | Direction of Traffic             |
| (84) | Temporary Pavement Marking, White, Dotted, 8" | —+—+— | Pavement Marking Break           |
| (85) | Temporary Pavement Marking, White, Solid, 8"  | xxx   | Portable Changeable Message Sign |
| TTB  | Temporary Traffic Barrier, Type 2             |       |                                  |
|      | Construction Area                             |       |                                  |

END  
ROAD WORK

G20-2  
Construction Signs

RECOMMENDED FOR APPROVAL _____	
DESIGNED: ALB	DRAWN: ACB
CHECKED: MAR	CHECKED: MAR

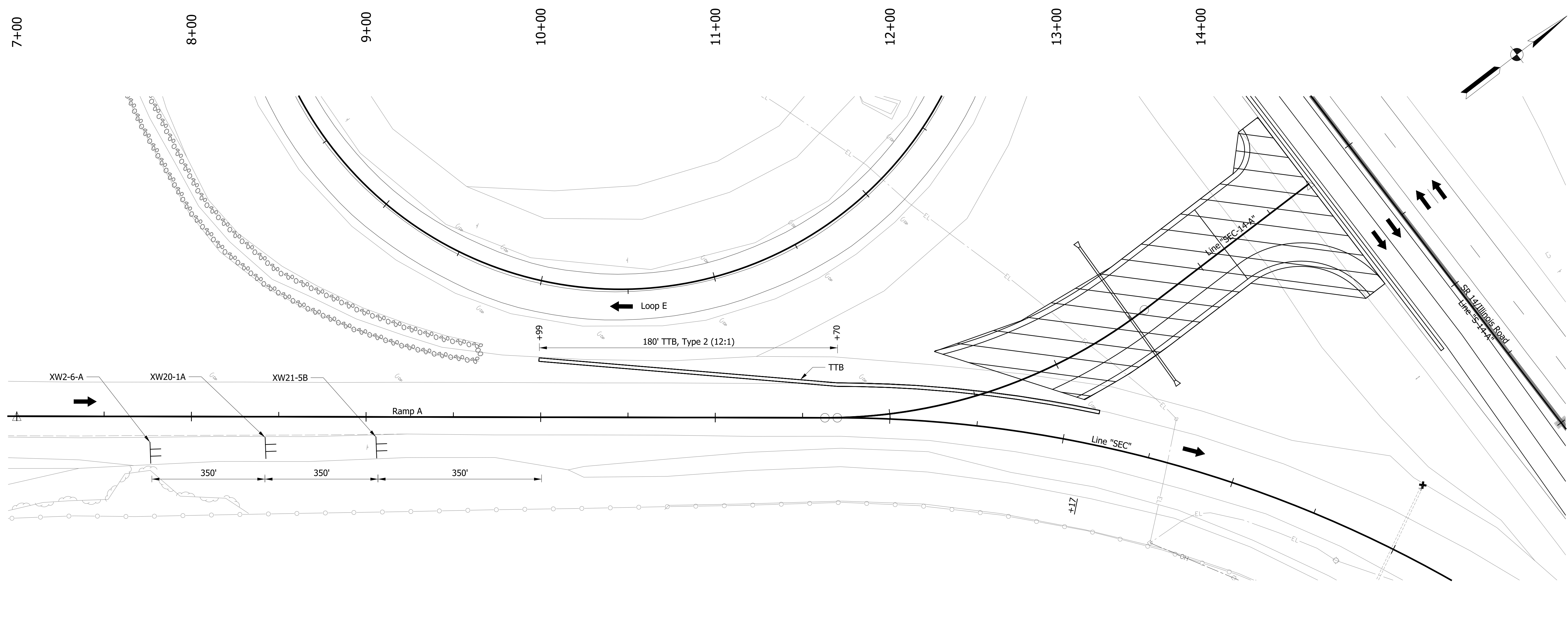
**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
PHASE 1 - SR 14/ILLINOIS RD**

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE NO. N/A
VERTICAL SCALE NA	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 14 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828



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**LEGEND**

- 80 Temporary Pavement Marking, Yellow, Solid, 4"
- 81 Temporary Pavement Marking, White, Solid, 4"
- 82 Temporary Pavement Marking, White, Broken, 4"
- 83 Temporary Pavement Marking, White, Broken, 5"
- 84 Temporary Pavement Marking, White, Dotted, 8"
- 85 Temporary Pavement Marking, White, Solid, 8"
- TTB Temporary Traffic Barrier, Type 2
- Construction Area
- Construction Sign
- Drum, Temporary (Typ.)
- Type III-# Barricade
- Direction of Traffic
- Pavement Marking Break
- Portable Changeable Message Sign

Speeding  
Max \$1000  
Reckless Driving  
Max 6 Yrs  
  
XW2-6-A

XW21-5B

XW20-1A

Construction Signs

RECOMMENDED FOR APPROVAL	
DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB
CHECKED: MAR	CHECKED: MAR

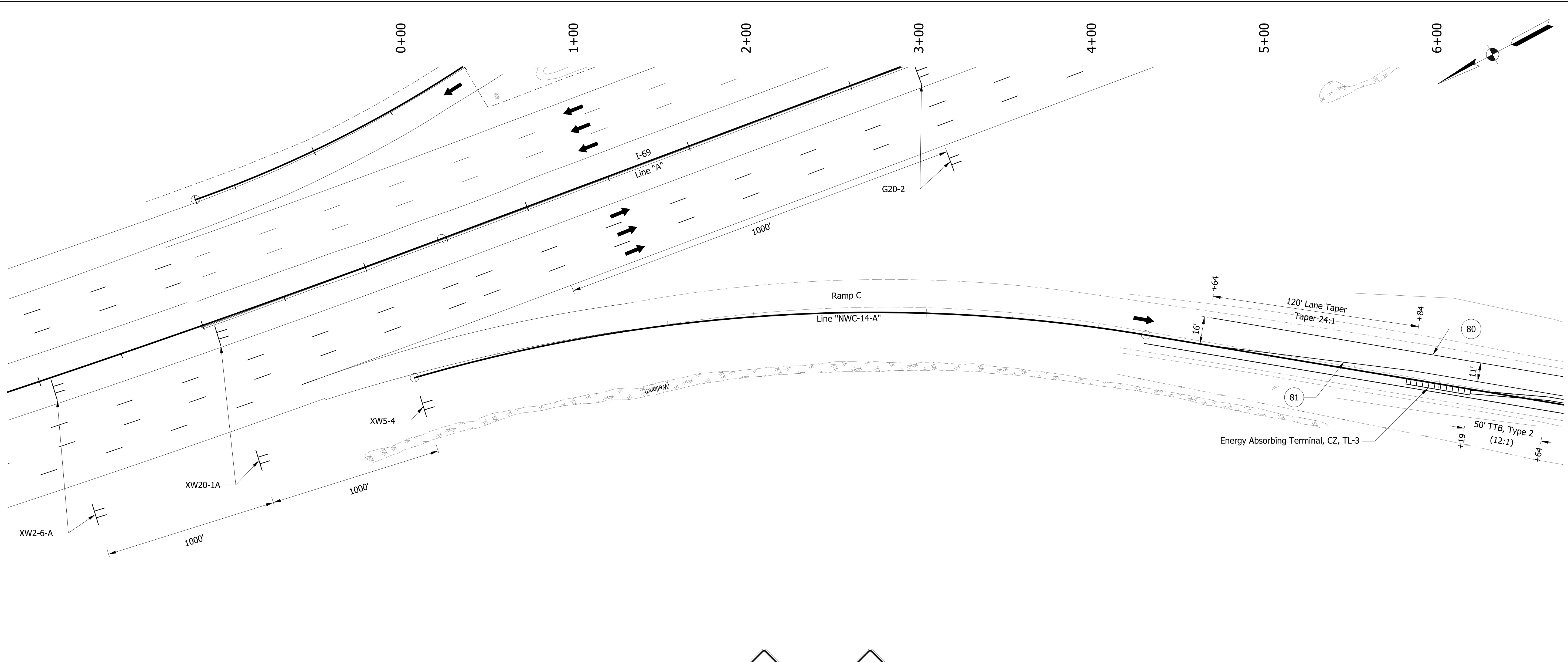
**INDIANA DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
PHASE 1 - RAMP A**

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE NO. N/A
VERTICAL SCALE NA	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 15 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828

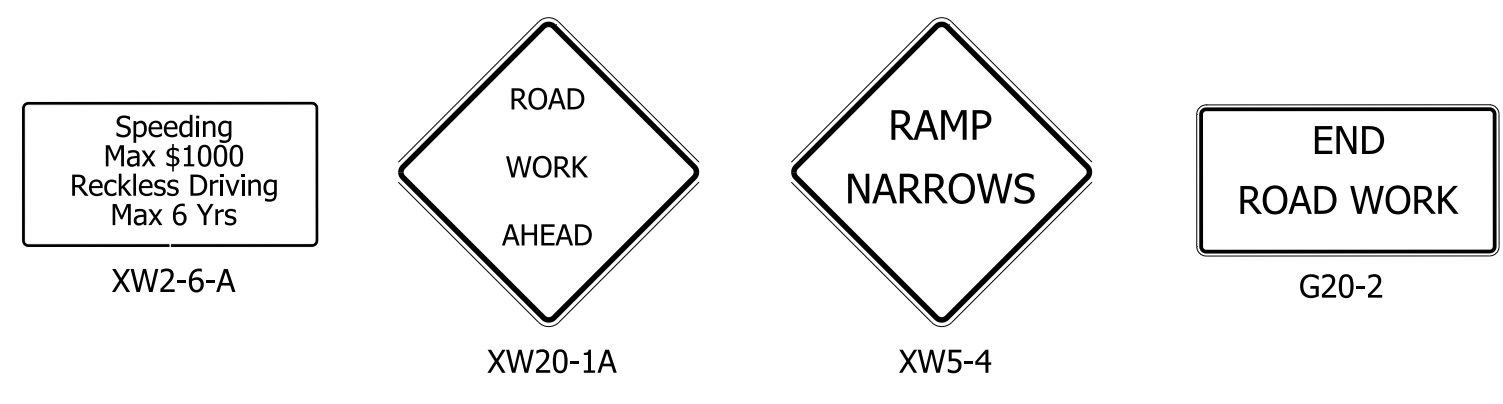
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**LEGEND**

- (80) Temporary Pavement Marking, Yellow, Solid, 4"
- (81) Temporary Pavement Marking, White, Solid, 4"
- (82) Temporary Pavement Marking, White, Broken, 4"
- (83) Temporary Pavement Marking, White, Broken, 5"
- (84) Temporary Pavement Marking, White, Dotted, 8"
- (85) Temporary Pavement Marking, White, Solid, 8"
- TTB Temporary Traffic Barrier, Type 2
- Construction Area
- Construction Sign
- Drum, Temporary (Typ.)
- Type III-# Barricade
- Direction of Traffic
- Pavement Marking Break
- Portable Changeable Message Sign



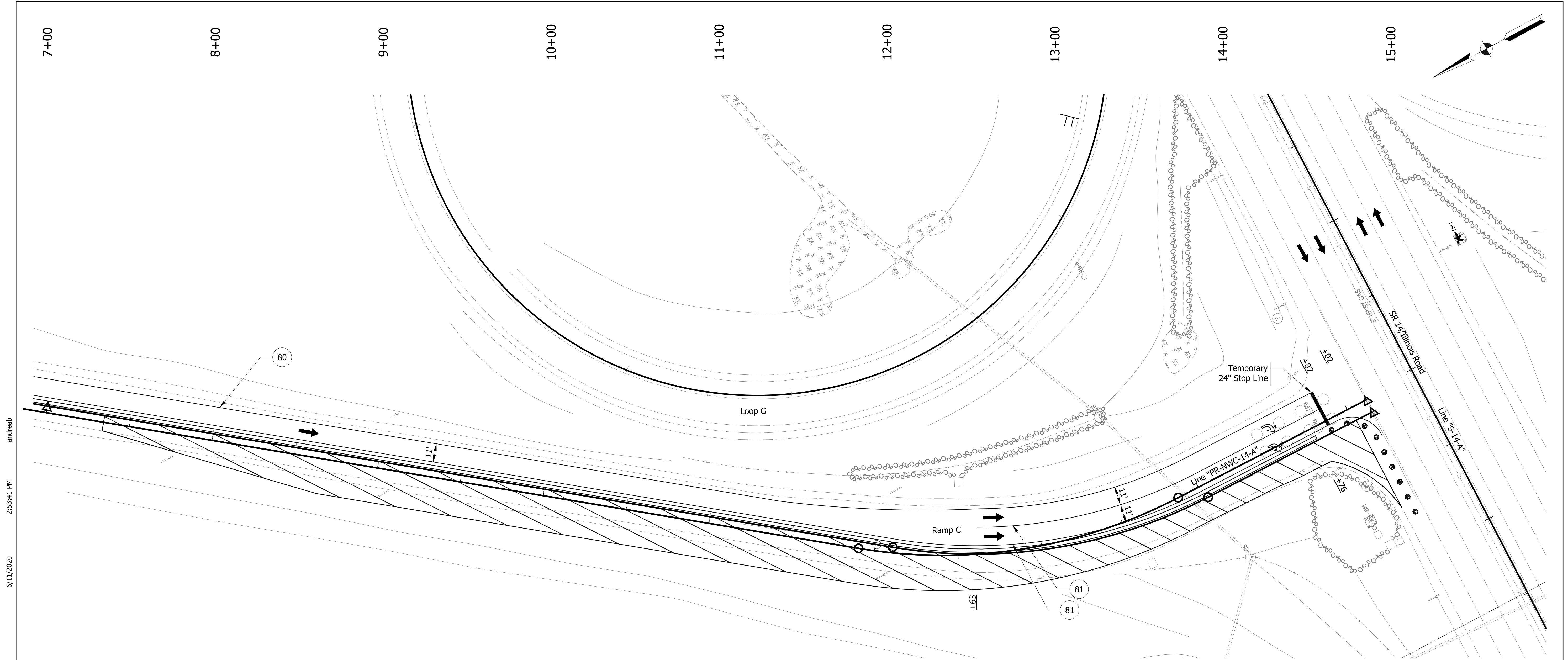
Construction Signs

RECOMMENDED FOR APPROVAL	
DESIGNED: ALB	DRAWN: ACB
CHECKED: MAR	CHECKED: MAR

**INDIANA DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PHASE 1 - RAMP C**

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION NO.
NA	1401828
SURVEY BOOK NO.	SHEETS
	16 of 81
CONTRACT NO.	PROJECT NO.
R-38565	1401828



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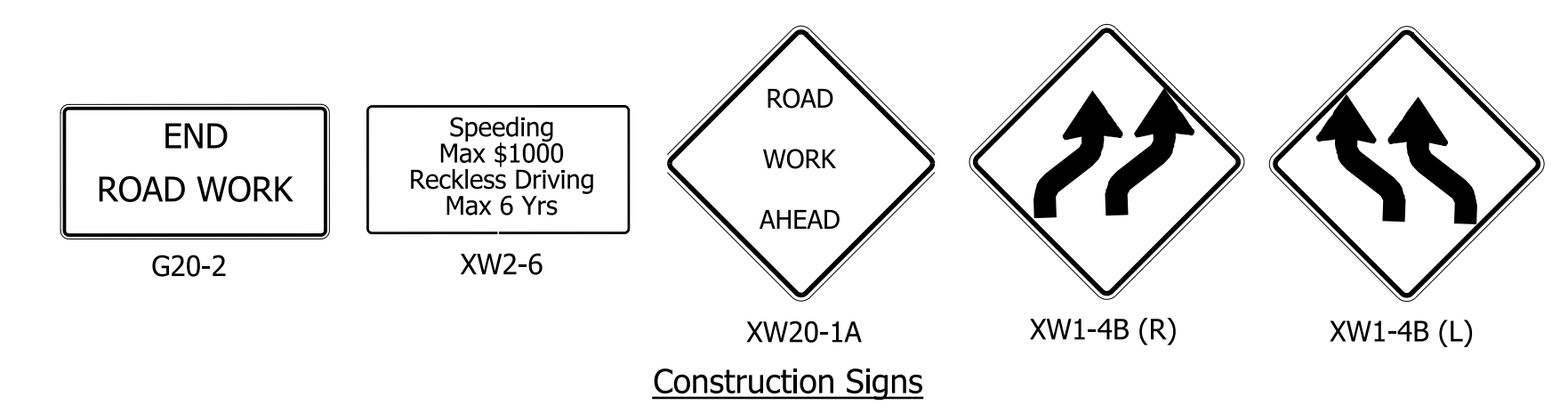
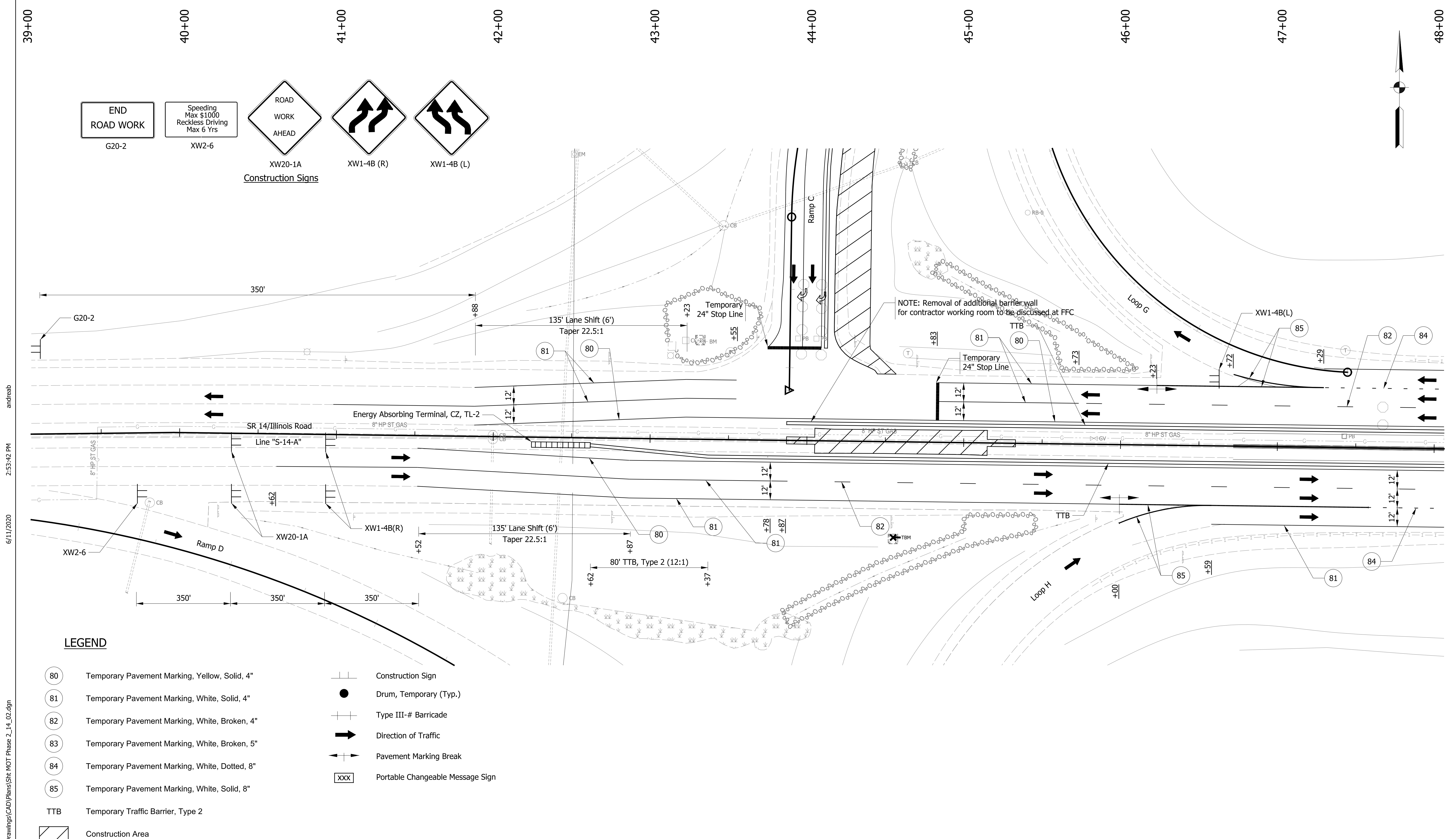
**LEGEND**

- 80 Temporary Pavement Marking, Yellow, Solid, 4"
- 81 Temporary Pavement Marking, White, Solid, 4"
- 82 Temporary Pavement Marking, White, Broken, 4"
- 83 Temporary Pavement Marking, White, Broken, 5"
- 84 Temporary Pavement Marking, White, Dotted, 8"
- 85 Temporary Pavement Marking, White, Solid, 8"
- TTB Temporary Traffic Barrier, Type 2
- Construction Area
- Construction Sign
- Drum, Temporary (Typ.)
- Type III-# Barricade
- Direction of Traffic
- Pavement Marking Break
- Portable Changeable Message Sign

RECOMMENDED FOR APPROVAL	
DESIGNED: ALB	DRAWN: ACB
CHECKED: MAR	CHECKED: MAR

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**MAINTENANCE OF TRAFFIC**  
**PHASE 1 - RAMP C**

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE NO. N/A
VERTICAL SCALE NA	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 17 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828



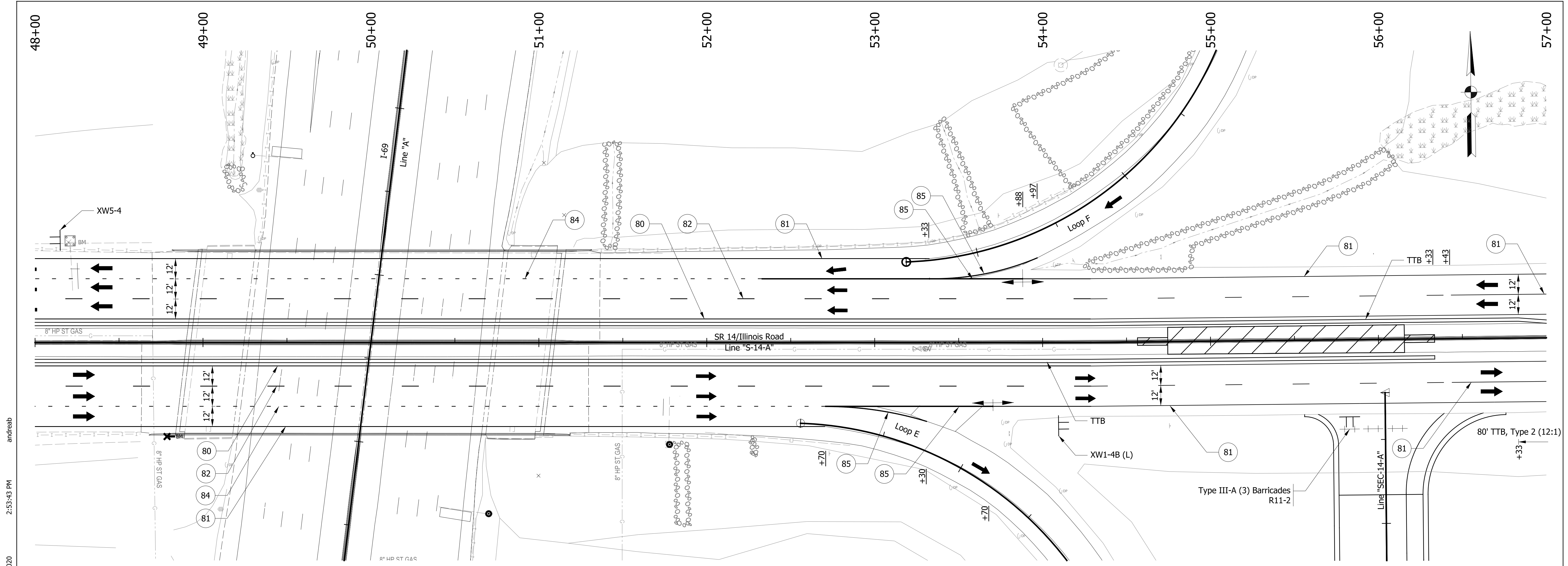
**LEGEND**

- 80 Temporary Pavement Marking, Yellow, Solid, 4"
- 81 Temporary Pavement Marking, White, Solid, 4"
- 82 Temporary Pavement Marking, White, Broken, 4"
- 83 Temporary Pavement Marking, White, Broken, 5"
- 84 Temporary Pavement Marking, White, Dotted, 8"
- 85 Temporary Pavement Marking, White, Solid, 8"
- TTB Temporary Traffic Barrier, Type 2
- Construction Area
- Construction Sign
- Drum, Temporary (Typ.)
- Type III-# Barricade
- Direction of Traffic
- Pavement Marking Break
- Portable Changeable Message Sign

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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE 1" = 30' VERTICAL SCALE _____	BRIDGE FILE NO. N/A DESIGNATION NO. 1401828
DESIGNED: ALB CHECKED: MAR	DRAWN: ACB CHECKED: MAR	<b>MAINTENANCE OF TRAFFIC          PHASE 2 - SR 14/ILLINOIS RD</b>	
		SURVEY BOOK NO. R-38565	SHEETS 18 of 81 PROJECT NO. 1401828

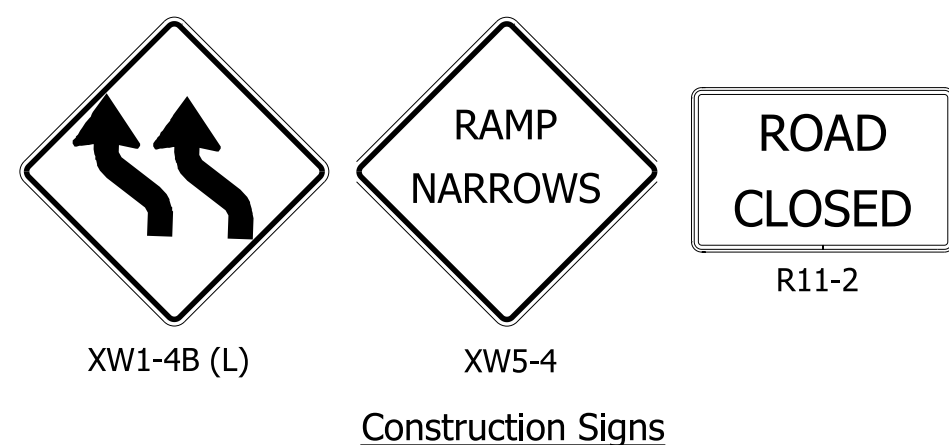




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**LEGEND**

- 80 Temporary Pavement Marking, Yellow, Solid, 4"
- 81 Temporary Pavement Marking, White, Solid, 4"
- 82 Temporary Pavement Marking, White, Broken, 4"
- 83 Temporary Pavement Marking, White, Broken, 5"
- 84 Temporary Pavement Marking, White, Dotted, 8"
- 85 Temporary Pavement Marking, White, Solid, 8"
- TTB Temporary Traffic Barrier, Type 2
- Construction Area
- Construction Sign
- Drum, Temporary (Typ.)
- Type III-# Barricade
- Direction of Traffic
- Pavement Marking Break
- XXX Portable Changeable Message Sign



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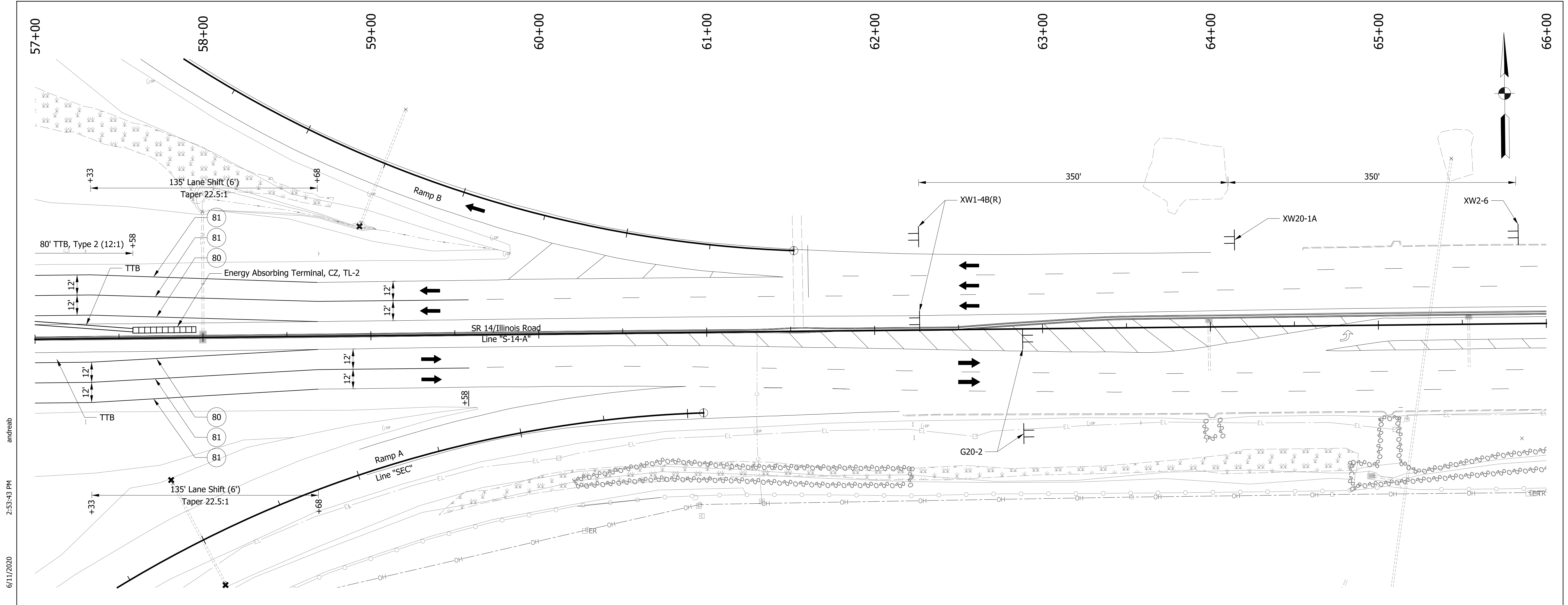
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DESIGNED: ALB	DRAWN: ACB
CHECKED: MAR	CHECKED: MAR

**INDIANA DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PHASE 2 - SR 14/ILLINOIS RD**

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE NO. N/A
VERTICAL SCALE NA	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 19 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828

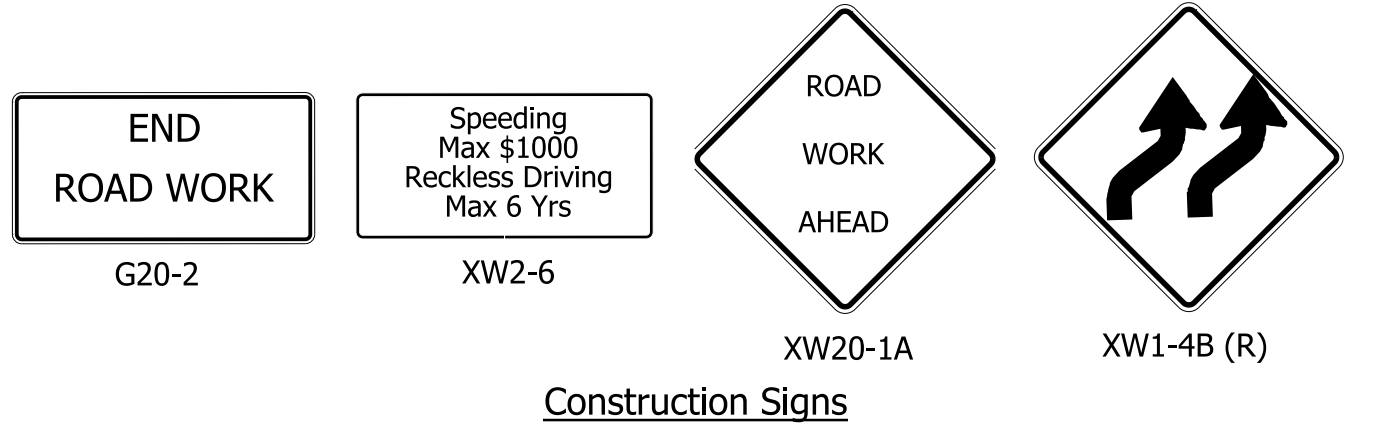




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**LEGEND**

- 80 Temporary Pavement Marking, Yellow, Solid, 4"
- 81 Temporary Pavement Marking, White, Solid, 4"
- 82 Temporary Pavement Marking, White, Broken, 4"
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- 85 Temporary Pavement Marking, White, Solid, 8"
- TTB Temporary Traffic Barrier, Type 2
- Construction Area
- Construction Sign
- Drum, Temporary (Typ.)
- + Type III-# Barricade
- Direction of Traffic
- + + Pavement Marking Break
- XXX Portable Changeable Message Sign



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RECOMMENDED FOR APPROVAL	
DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB
CHECKED: MAR	CHECKED: MAR

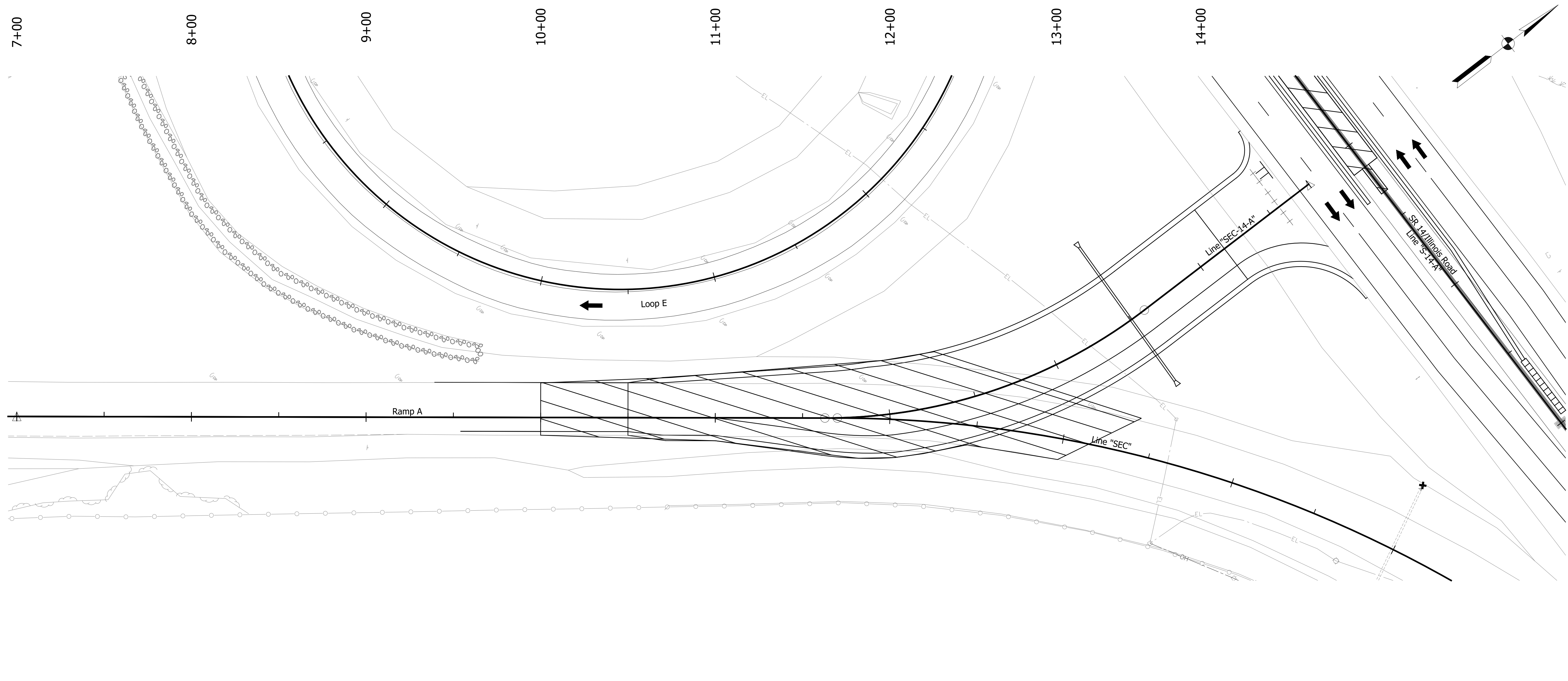
**INDIANA DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
PHASE 2 - SR 14/ILLINOIS RD**

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE NO. N/A
VERTICAL SCALE NA	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 20 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828

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**LEGEND**

- 80 Temporary Pavement Marking, Yellow, Solid, 4"
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- 82 Temporary Pavement Marking, White, Broken, 4"
- 83 Temporary Pavement Marking, White, Broken, 5"
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- Drum, Temporary (Typ.)
- Type III-# Barricade
- Direction of Traffic
- Pavement Marking Break
- Portable Changeable Message Sign

RECOMMENDED FOR APPROVAL _____	
DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB
CHECKED: MAR	CHECKED: MAR

**INDIANA DEPARTMENT OF TRANSPORTATION**

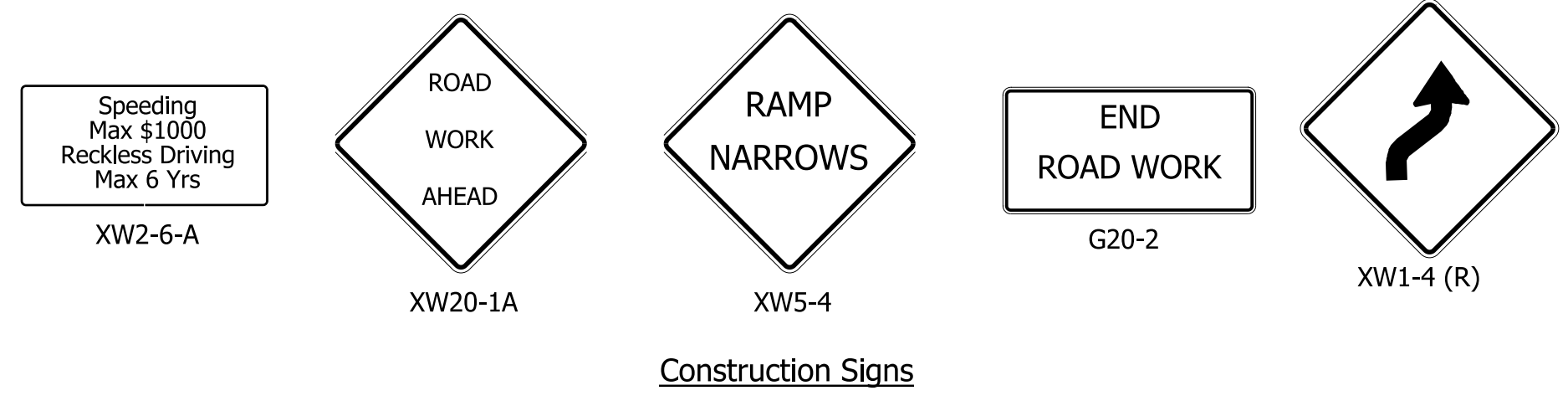
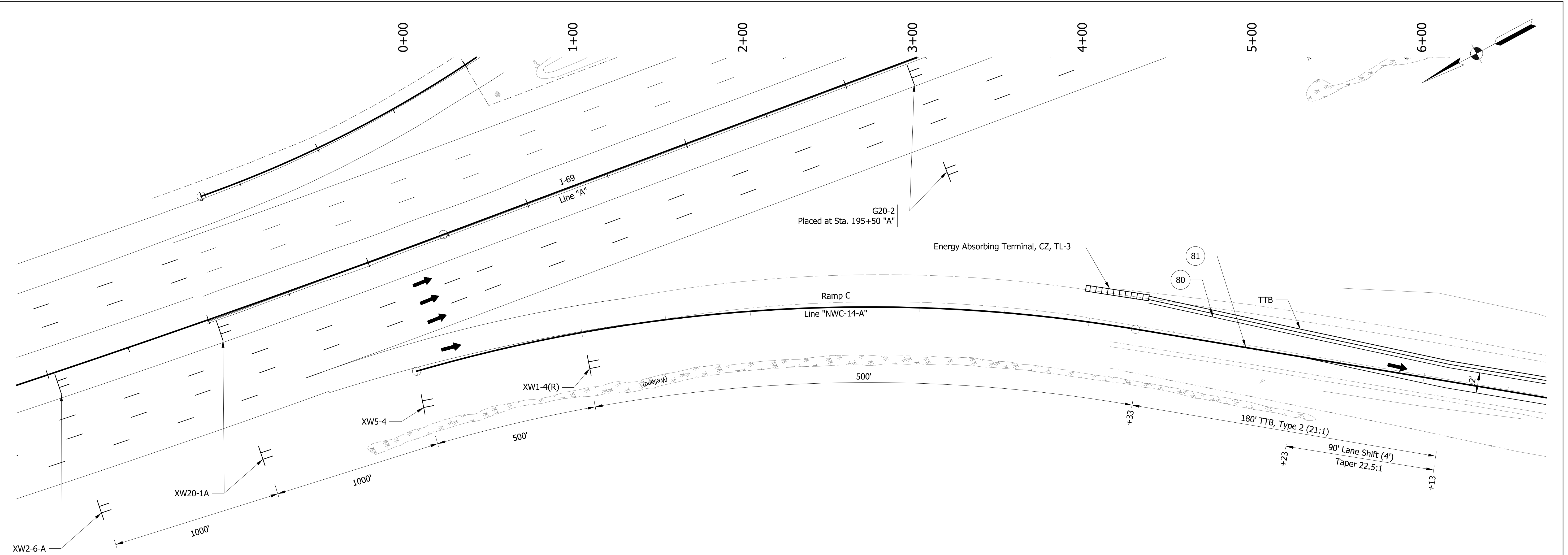
**MAINTENANCE OF TRAFFIC**

**PHASE 2 - RAMP A**

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE NO. N/A
VERTICAL SCALE NA	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 21 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828

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6/11/2020

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**LEGEND**

80	Temporary Pavement Marking, Yellow, Solid, 4"	Construction Sign
81	Temporary Pavement Marking, White, Solid, 4"	Drum, Temporary (Typ.)
82	Temporary Pavement Marking, White, Broken, 4"	Type III-# Barricade
83	Temporary Pavement Marking, White, Broken, 5"	Direction of Traffic
84	Temporary Pavement Marking, White, Dotted, 8"	Pavement Marking Break
85	Temporary Pavement Marking, White, Solid, 8"	Portable Changeable Message Sign
TTB	Temporary Traffic Barrier, Type 2	
	Construction Area	

RECOMMENDED FOR APPROVAL	
DESIGNED: ALB	DRAWN: ACB
CHECKED: MAR	CHECKED: MAR

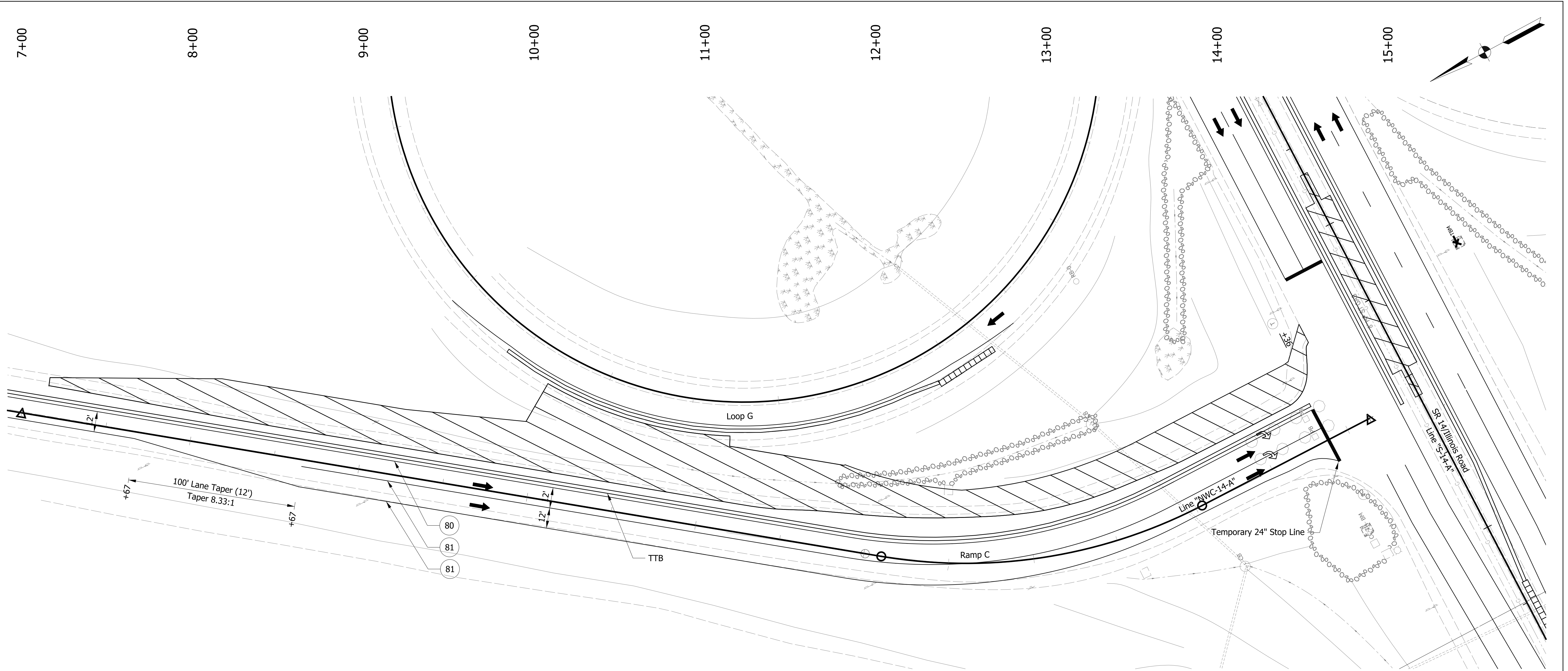
**INDIANA DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PHASE 2 - RAMP C**

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE NO. N/A
VERTICAL SCALE NA	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 22 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828

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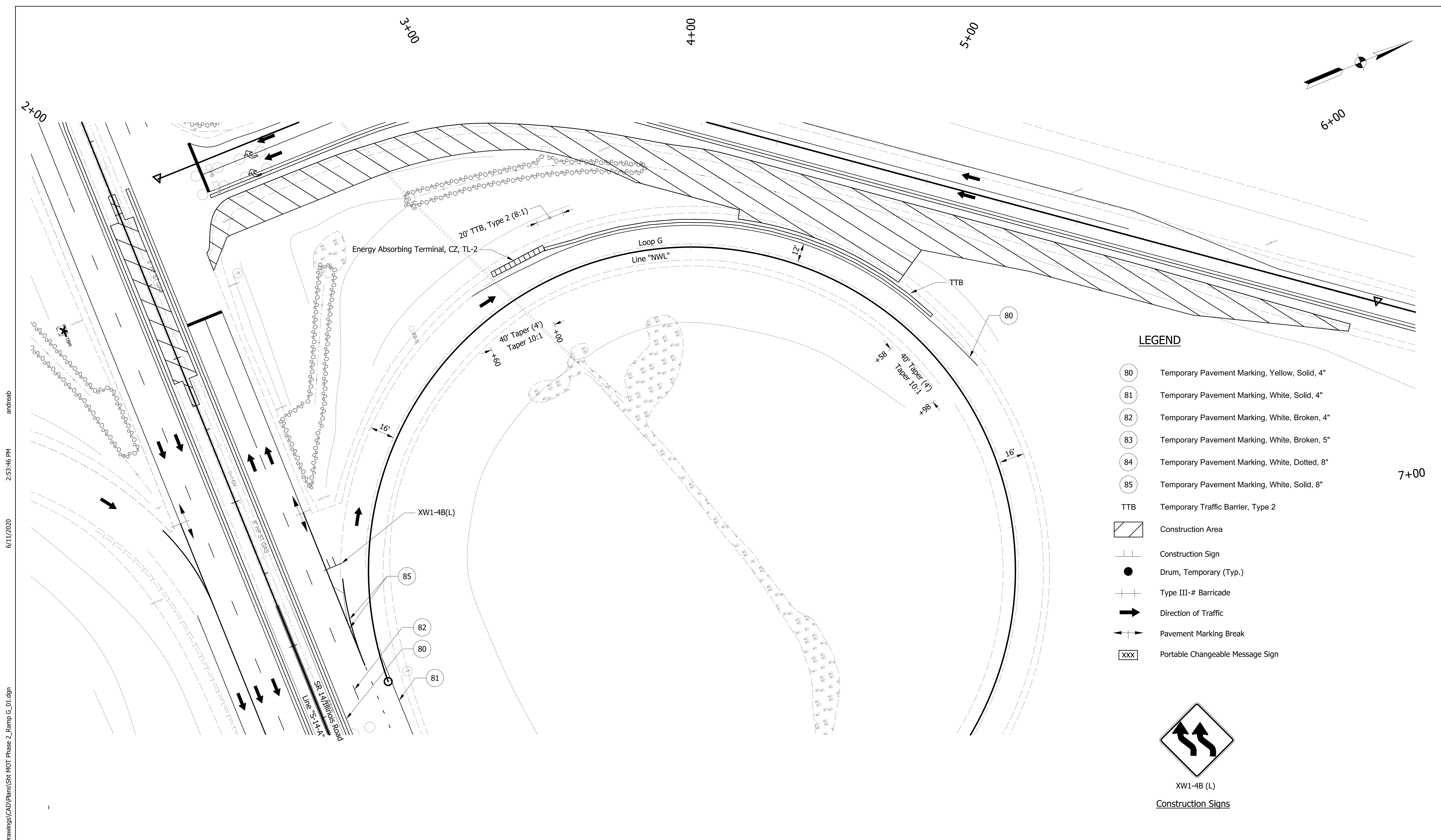


**LEGEND**

- 80 Temporary Pavement Marking, Yellow, Solid, 4"
- 81 Temporary Pavement Marking, White, Solid, 4"
- 82 Temporary Pavement Marking, White, Broken, 4"
- 83 Temporary Pavement Marking, White, Broken, 5"
- 84 Temporary Pavement Marking, White, Dotted, 8"
- 85 Temporary Pavement Marking, White, Solid, 8"
- TTB Temporary Traffic Barrier, Type 2
- Construction Area
- Construction Sign
- Drum, Temporary (Typ.)
- Type III-# Barricade
- Direction of Traffic
- Pavement Marking Break
- Portable Changeable Message Sign

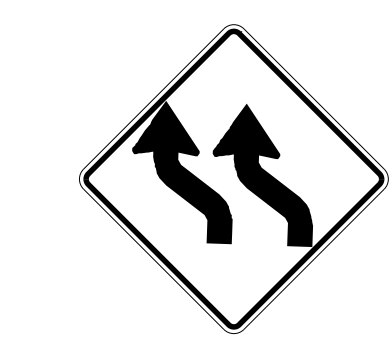
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DESIGNED: ALB	DRAWN: ACB		MAINTENANCE OF TRAFFIC PHASE 2 - RAMP C		VERTICAL SCALE	DESIGNATION NO.
CHECKED: MAR	CHECKED: MAR				NA	1401828
					SURVEY BOOK NO.	SHEETS
						23 of 81
					CONTRACT NO.	PROJECT NO.
					R-38565	1401828





**LEGEND**

- 80 Temporary Pavement Marking, Yellow, Solid, 4"
- 81 Temporary Pavement Marking, White, Solid, 4"
- 82 Temporary Pavement Marking, White, Broken, 4"
- 83 Temporary Pavement Marking, White, Broken, 5"
- 84 Temporary Pavement Marking, White, Dotted, 8"
- 85 Temporary Pavement Marking, White, Solid, 8"
- TTB Temporary Traffic Barrier, Type 2
- Construction Area
- Construction Sign
- Drum, Temporary (Typ.)
- Type III-# Barricade
- Direction of Traffic
- Pavement Marking Break
- XXX Portable Changeable Message Sign



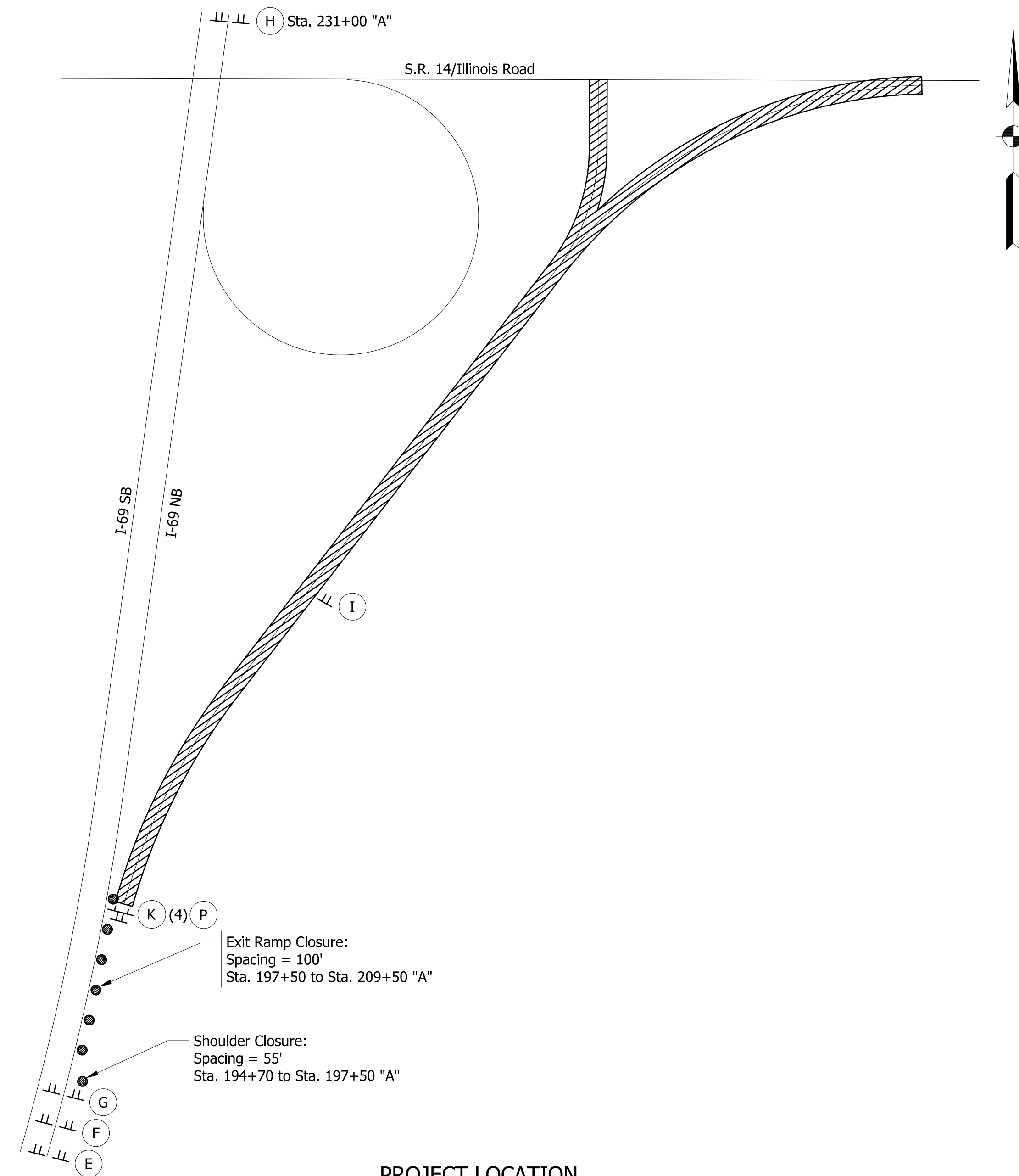
XW1-4B (L)  
Construction Signs

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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE 1" = 30' VERTICAL SCALE BRIDGE FILE NO. N/A DESIGNATION NO. 1401828
DESIGNED: ALB CHECKED: MAR	DRAWN: ACB CHECKED: MAR	SURVEY BOOK NO. _____ SHEETS 24 of 81 CONTRACT NO. R-38565 PROJECT NO. 1401828
<b>MAINTENANCE OF TRAFFIC PHASE 2 - RAMP G</b>		



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PROJECT LOCATION  
NOT TO SCALE

**NOTES**

- G20-60 signs shall cover the "1 mile", "1/2 mile", and "arrow" on the advance exit panel signs.
- G20-58 shall be placed a minimum of 14 days prior to closure.

**Legend**

- Roadway Construction
- Posted Detour Route
- Traffic Flow Arrow
- Construction Sign
- Barricade III-A
- Channelization Device

**Type A Construction Signs**

- XW20-1A (Road Work Ahead) 2 Ea.
- XW20-3 (Ramp Closed Ahead) 2 Ea.
- XW106-1-A (Exit Closed) 2 Ea.
- G20-2 (End Road Work) 2 Ea.

**Type C Construction Signs**

- G20-58 (Ramp Closed From X/XX - X/XX) 1 Ea.
- G20-60 (Closed) (108" x 24") 3 Ea.

**Barricades**

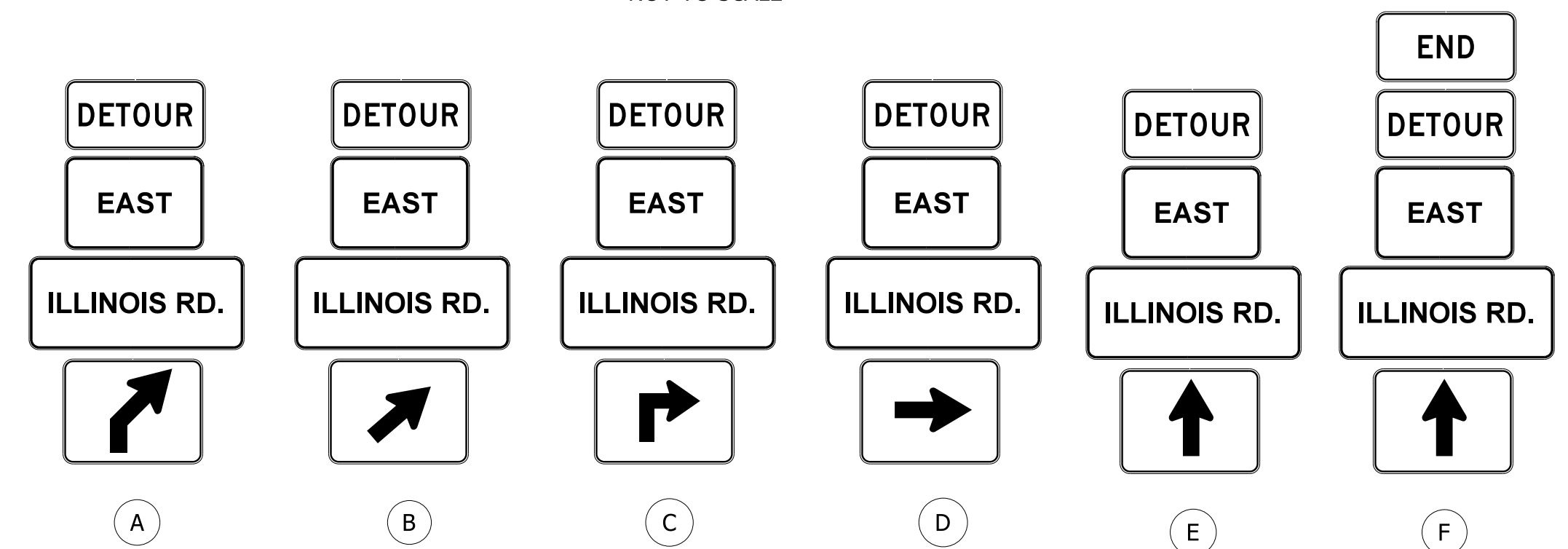
- Barricade, Type III-A (No. of 12' Units) 48 Lft. (4)

**Road Closure Sign Assemblies**

- RCSA (R11-2R) 1 Ea.

**Detour Route Marker Assemblies**

- DRMA (Advance Turn) 1 Ea.
- DRMA (Directional) 1 Ea.
- DRMA (Advance Turn) 1 Ea.
- DRMA (Directional) 1 Ea.
- DRMA (Confirming) 4 Ea.
- DRMA (End) 1 Ea.



RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

INDIANA  
DEPARTMENT OF TRANSPORTATION

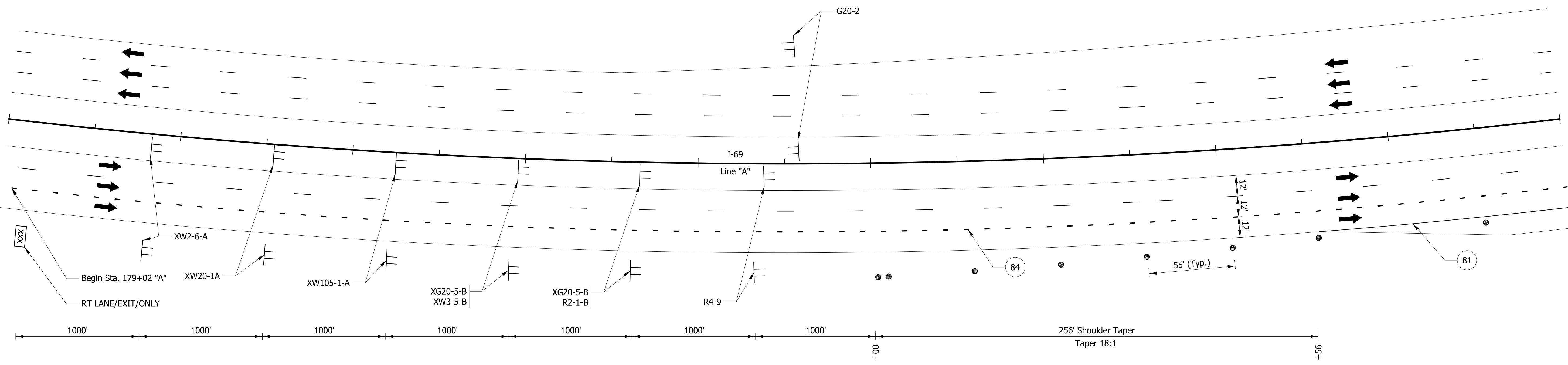
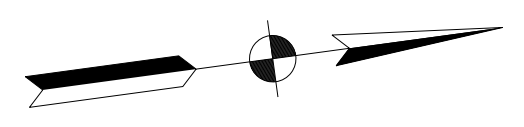
**MAINTENANCE OF TRAFFIC  
PHASE 2 - I-69 NB DETOUR**

HORIZONTAL SCALE 1" = 2000'	BRIDGE FILE NO. N/A
VERTICAL SCALE NA	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 25 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828

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190+00      191+00      192+00      193+00      194+00      195+00      196+00      197+00      198+00



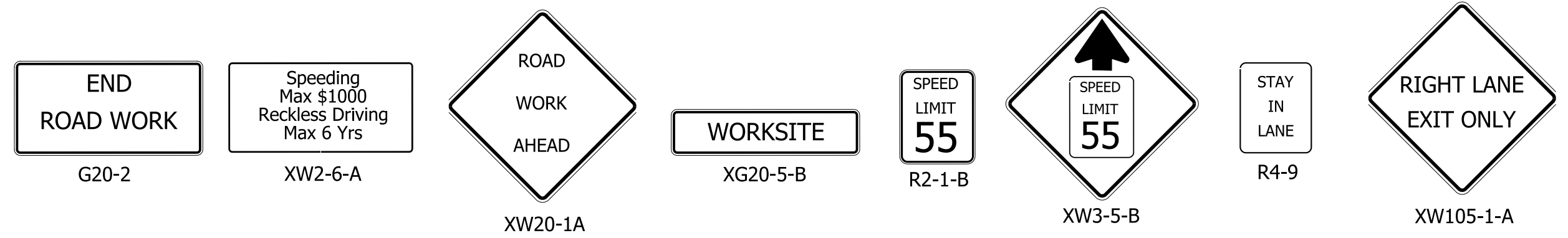
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**LEGEND**

- (80) Temporary Pavement Marking, Yellow, Solid, 4"
- (81) Temporary Pavement Marking, White, Solid, 4"
- (82) Temporary Pavement Marking, White, Broken, 4"
- (83) Temporary Pavement Marking, White, Broken, 5"
- (84) Temporary Pavement Marking, White, Dotted, 8"
- (85) Temporary Pavement Marking, White, Solid, 8"
- TTB Temporary Traffic Barrier, Type 2
- Construction Area

- Construction Sign
- Drum, Temporary (Typ.)
- Type III-# Barricade
- Direction of Traffic
- Pavement Marking Break
- Portable Changeable Message Sign

**NOTES:**  
 1. Existing ITS Handholes along I-69 SB shall be filled with Structure Backfill, Type 5 before shifting lanes into median.



Construction Signs

NOTE: Removable temporary pavement markings to be discussed at FFC. Pavement marking widths on I-69 to be discussed at FFC.

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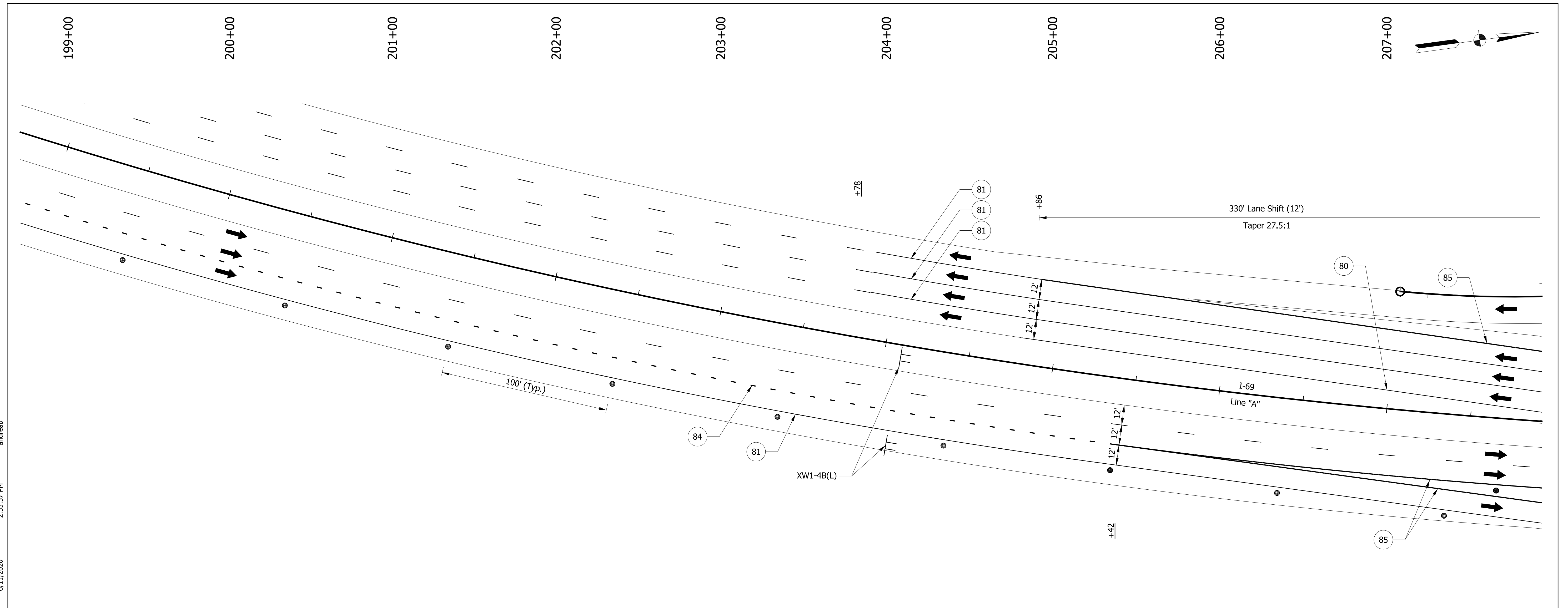
RECOMMENDED FOR APPROVAL	
DESIGNED: ALB	DRAWN: ACB
CHECKED: MAR	CHECKED: MAR

**INDIANA DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PHASE 3 - I-69**

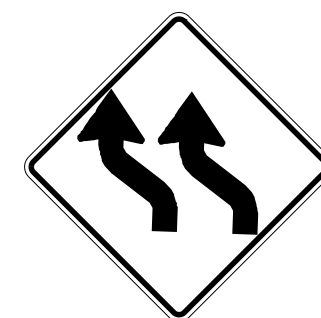
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1" = 30'	N/A
VERTICAL SCALE	DESIGNATION NO.
NA	1401828
SURVEY BOOK NO.	SHEETS
	26 of 81
CONTRACT NO.	PROJECT NO.
R-38565	1401828

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**LEGEND**

- 80 Temporary Pavement Marking, Yellow, Solid, 4"
- 81 Temporary Pavement Marking, White, Solid, 4"
- 82 Temporary Pavement Marking, White, Broken, 4"
- 83 Temporary Pavement Marking, White, Broken, 5"
- 84 Temporary Pavement Marking, White, Dotted, 8"
- 85 Temporary Pavement Marking, White, Solid, 8"
- TTB Temporary Traffic Barrier, Type 2
- Construction Area
- Construction Sign
- Drum, Temporary (Typ.)
- Type III-# Barricade
- Direction of Traffic
- Pavement Marking Break
- Portable Changeable Message Sign

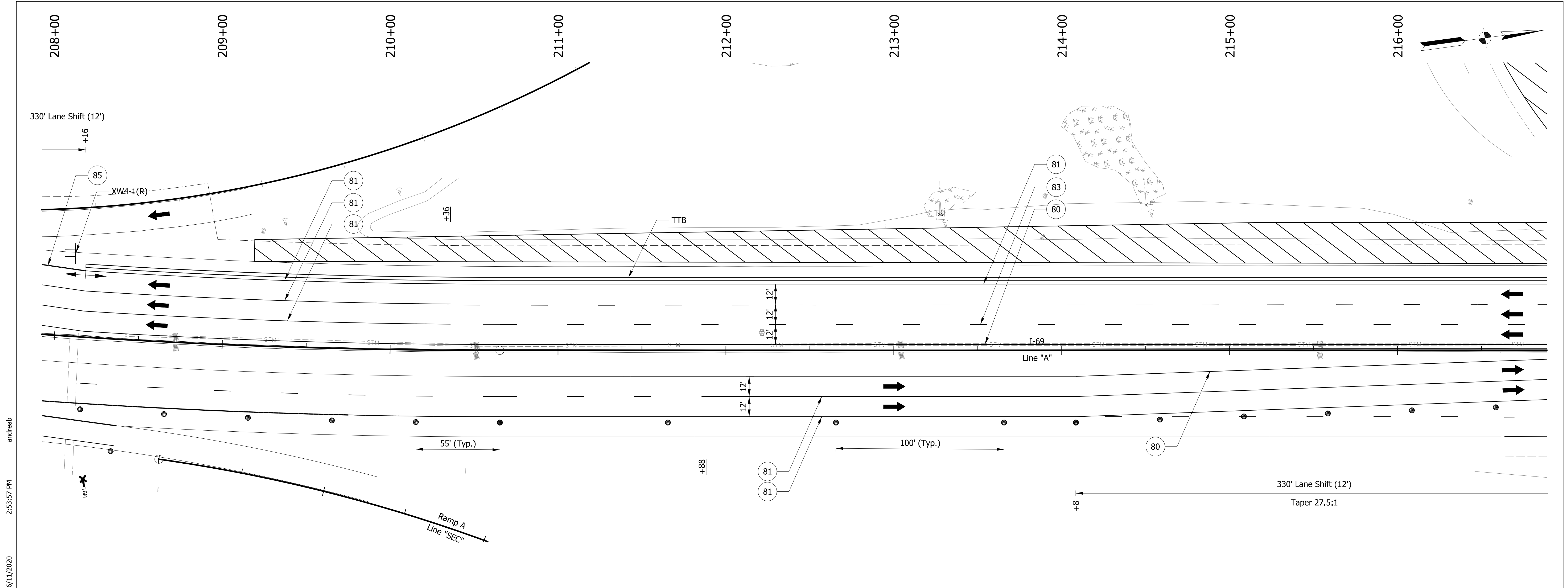


XW1-4B (L)  
Construction Signs

RECOMMENDED FOR APPROVAL	
DESIGNED: ALB	DRAWN: ACB
CHECKED: MAR	CHECKED: MAR

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**MAINTENANCE OF TRAFFIC**  
**PHASE 3 - I-69**

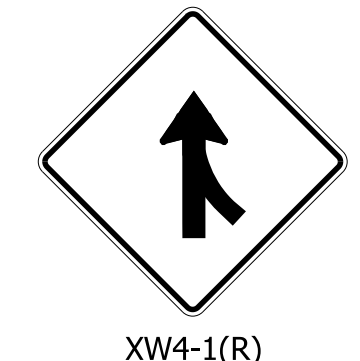
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VERTICAL SCALE NA	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 27 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828



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**LEGEND**

- |     |   |       |                                  |
|-----|---|-------|----------------------------------|
| 80  | Temporary Pavement Marking, Yellow, Solid, 4" | —+—+— | Construction Sign                |
| 81  | Temporary Pavement Marking, White, Solid, 4"  | ●     | Drum, Temporary (Typ.)           |
| 82  | Temporary Pavement Marking, White, Broken, 4" | —+—+— | Type III-# Barricade             |
| 83  | Temporary Pavement Marking, White, Broken, 5" | ➔     | Direction of Traffic             |
| 84  | Temporary Pavement Marking, White, Dotted, 8" | —+—+— | Pavement Marking Break           |
| 85  | Temporary Pavement Marking, White, Solid, 8"  | XXX   | Portable Changeable Message Sign |
| TTB | Temporary Traffic Barrier, Type 2             |       |                                  |
|     | Construction Area                             |       |                                  |



XW4-1(R)  
Construction Signs

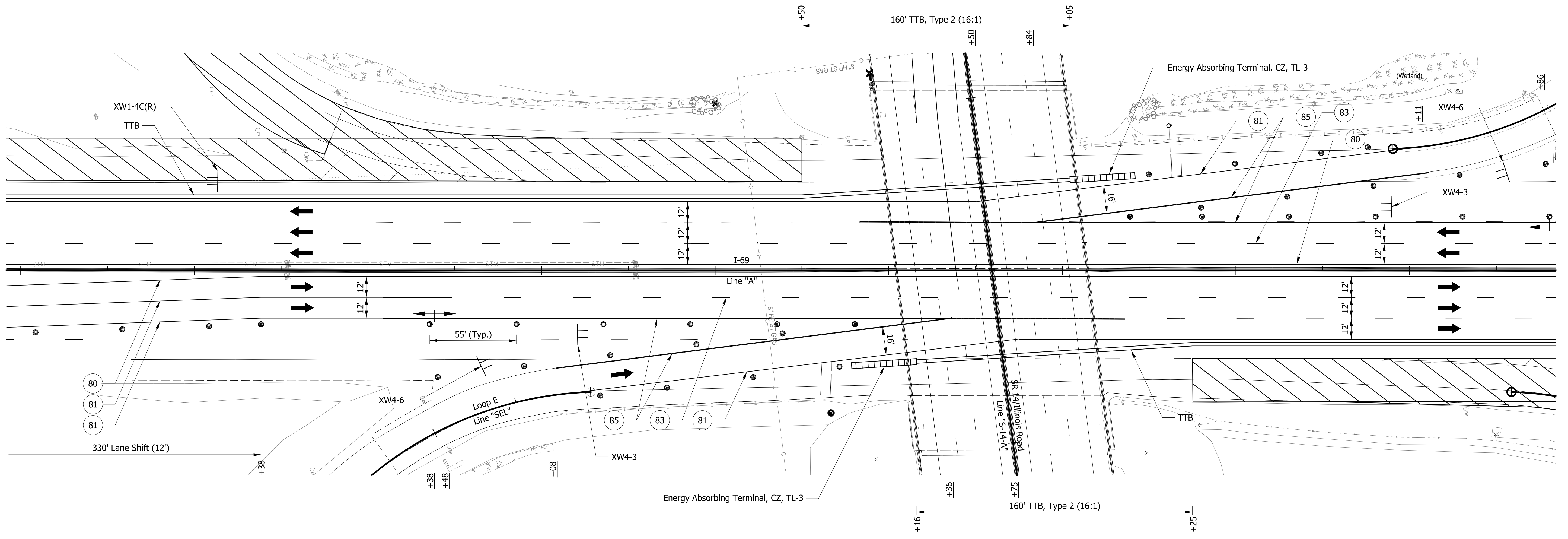
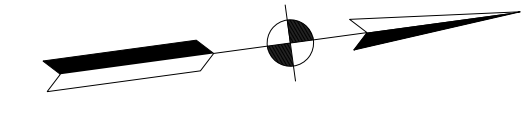
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

**INDIANA DEPARTMENT OF TRANSPORTATION**  
  
**MAINTENANCE OF TRAFFIC**  
**PHASE 3 - I-69**

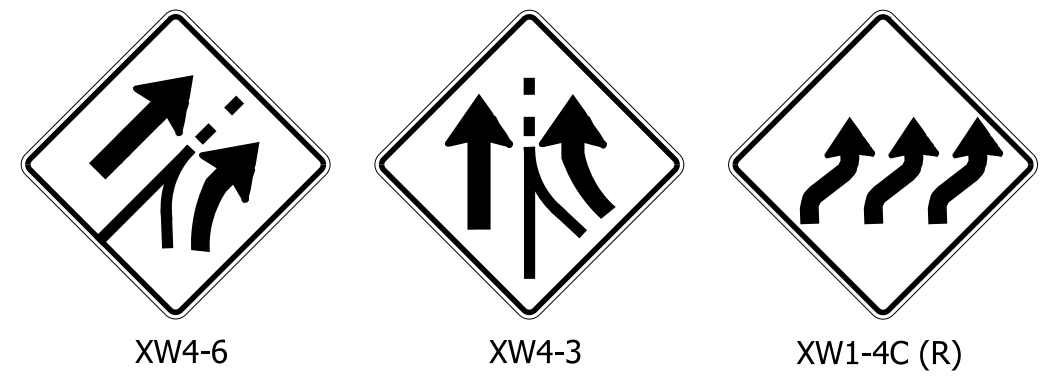
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1" = 30'	N/A
VERTICAL SCALE	DESIGNATION NO.
NA	1401828
SURVEY BOOK NO.	SHEETS
	28 of 81
CONTRACT NO.	PROJECT NO.
R-38565	1401828

216+00      217+00      218+00      219+00      220+00      221+00      222+00      223+00      224+00



**LEGEND**

- 80 Temporary Pavement Marking, Yellow, Solid, 4"
- 81 Temporary Pavement Marking, White, Solid, 4"
- 82 Temporary Pavement Marking, White, Broken, 4"
- 83 Temporary Pavement Marking, White, Broken, 5"
- 84 Temporary Pavement Marking, White, Dotted, 8"
- 85 Temporary Pavement Marking, White, Solid, 8"
- TTB Temporary Traffic Barrier, Type 2
- Construction Area
- Construction Sign
- Drum, Temporary (Typ.)
- III-# Type III-# Barricade
- Direction of Traffic
- - - Pavement Marking Break
- XXX Portable Changeable Message Sign



Construction Signs

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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	
DESIGNED: ALB      DRAWN: ACB CHECKED: MAR      CHECKED: MAR	

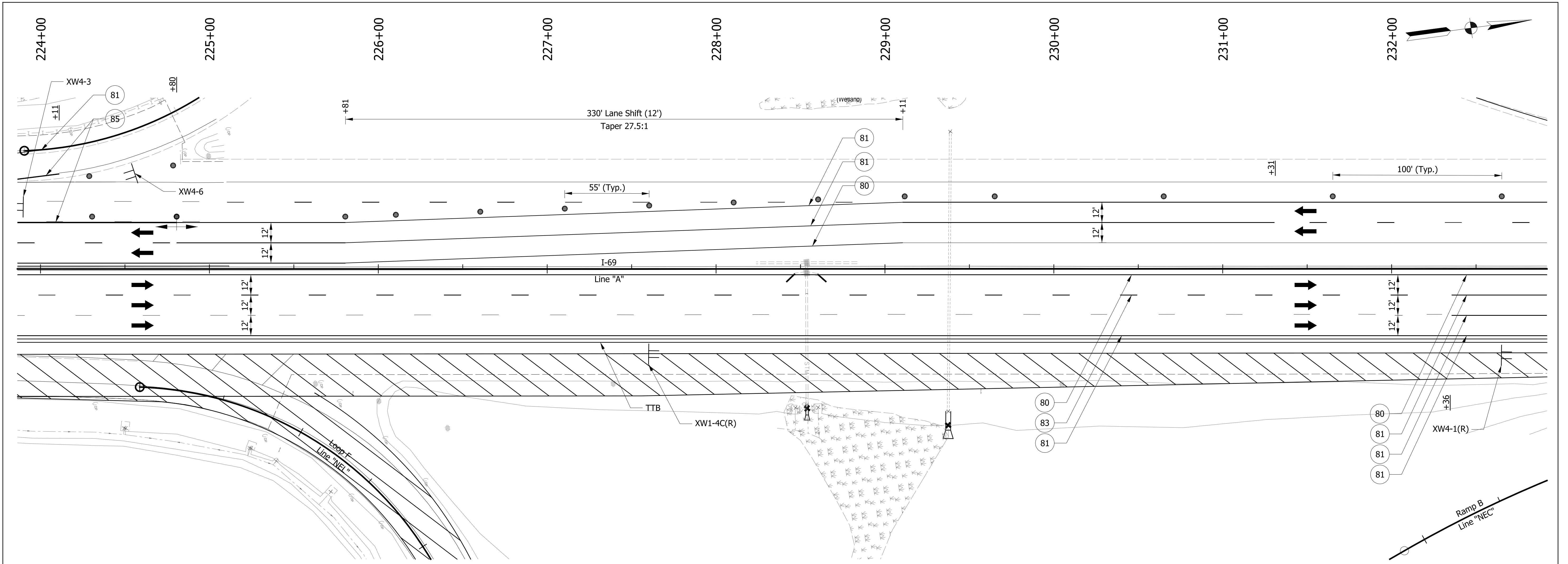
**INDIANA DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PHASE 3 - I-69**

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE NO. N/A
VERTICAL SCALE NA	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 29 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828

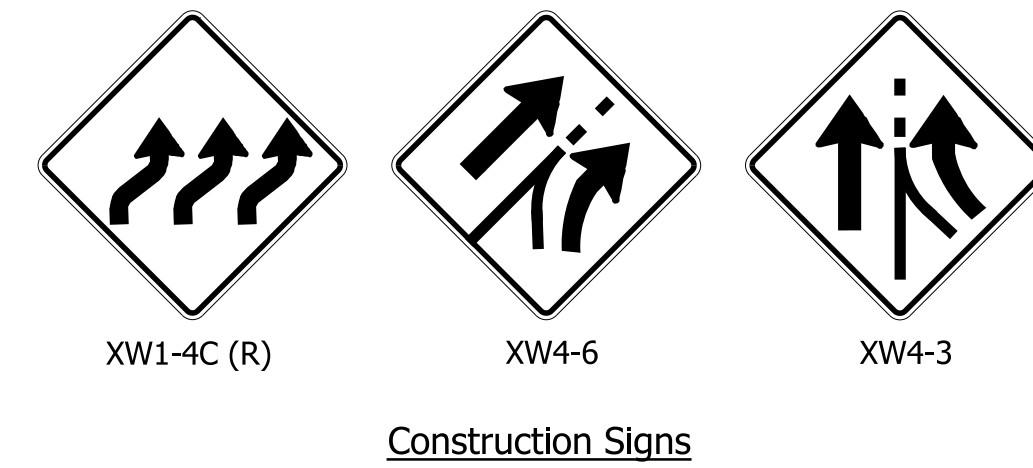
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**LEGEND**

- |     |   |  |                                  |
|-----|---|--|----------------------------------|
| 80  | Temporary Pavement Marking, Yellow, Solid, 4" |  | Construction Sign                |
| 81  | Temporary Pavement Marking, White, Solid, 4"  |  | Drum, Temporary (Typ.)           |
| 82  | Temporary Pavement Marking, White, Broken, 4" |  | Type III-# Barricade             |
| 83  | Temporary Pavement Marking, White, Broken, 5" |  | Direction of Traffic             |
| 84  | Temporary Pavement Marking, White, Dotted, 8" |  | Pavement Marking Break           |
| 85  | Temporary Pavement Marking, White, Solid, 8"  |  | Portable Changeable Message Sign |
| TTB | Temporary Traffic Barrier, Type 2             |  |                                  |
|     | Construction Area                             |  |                                  |



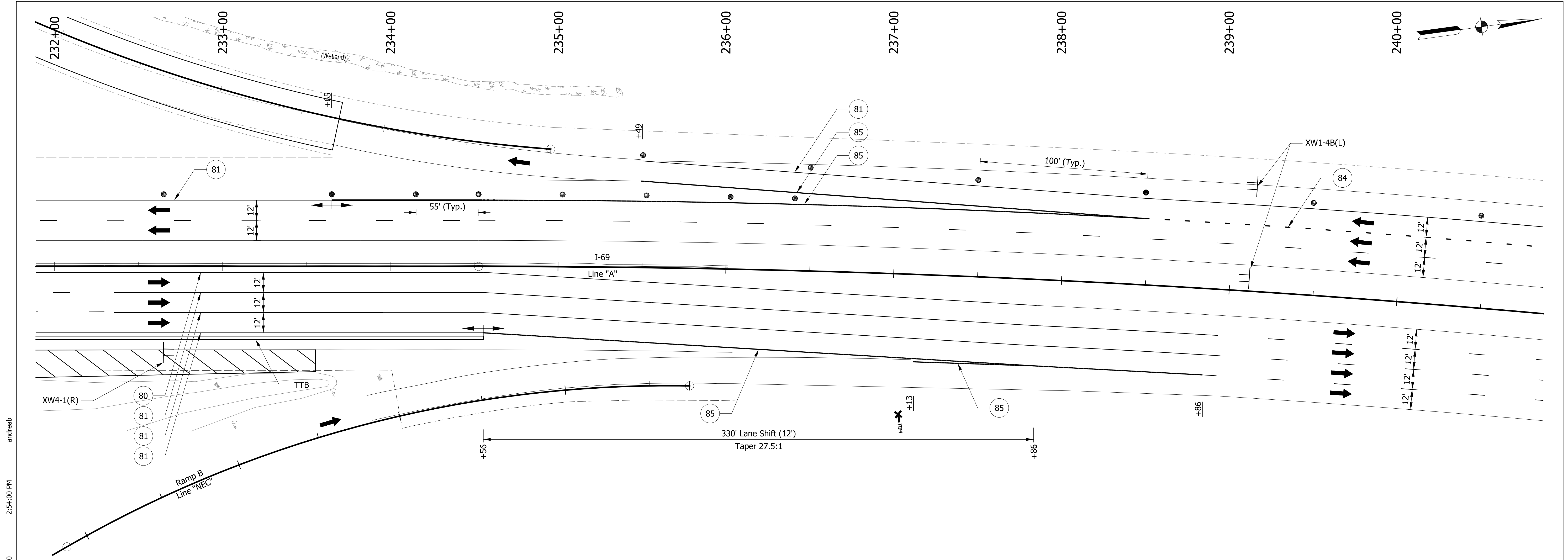
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RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB		
CHECKED: MAR	CHECKED: MAR		

**INDIANA DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PHASE 3 - I-69**

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION NO.
NA	1401828
SURVEY BOOK NO.	SHEETS
	30 of 81
CONTRACT NO.	PROJECT NO.
R-38565	1401828



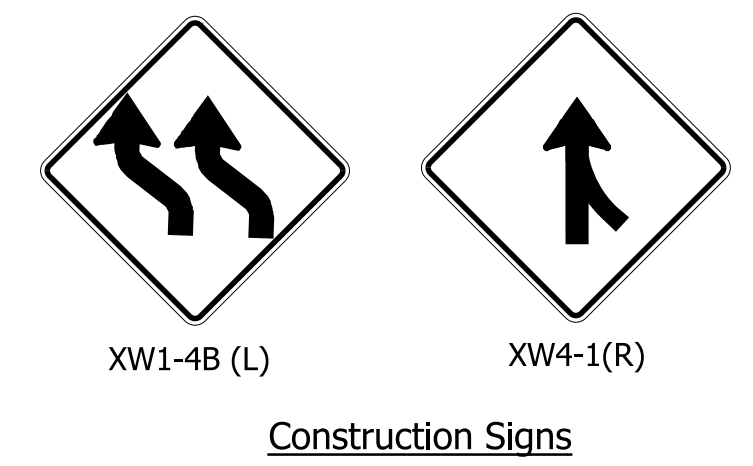
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**LEGEND**

- |     |   |                                      |
|-----|---|--------------------------------------|
| 80  | Temporary Pavement Marking, Yellow, Solid, 4" | Construction Sign                    |
| 81  | Temporary Pavement Marking, White, Solid, 4"  | ● Drum, Temporary (Typ.)             |
| 82  | Temporary Pavement Marking, White, Broken, 4" | --- Type III-# Barricade             |
| 83  | Temporary Pavement Marking, White, Broken, 5" | ➔ Direction of Traffic               |
| 84  | Temporary Pavement Marking, White, Dotted, 8" | --- Pavement Marking Break           |
| 85  | Temporary Pavement Marking, White, Solid, 8"  | XXX Portable Changeable Message Sign |
| TTB | Temporary Traffic Barrier, Type 2             |                                      |
|     | Construction Area                             |                                      |



RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

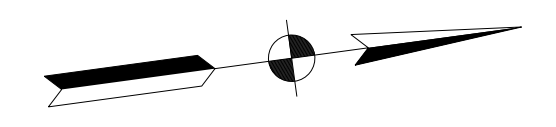
**INDIANA DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC**

**PHASE 3 - I-69**

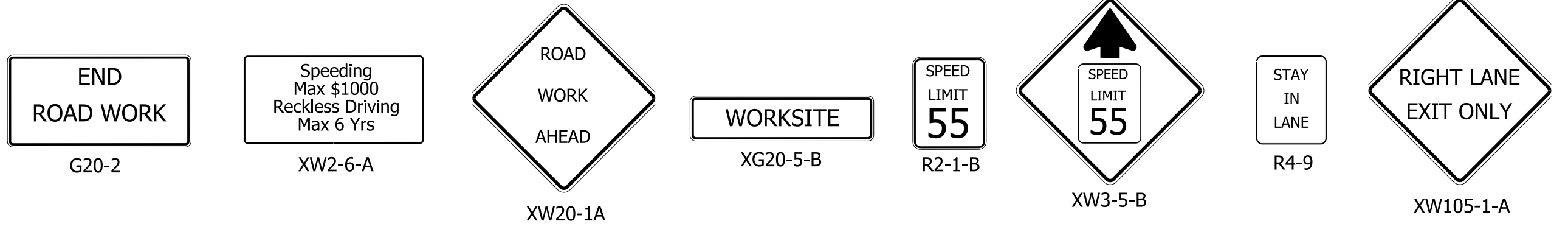
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1" = 30'	N/A
VERTICAL SCALE	DESIGNATION NO.
NA	1401828
SURVEY BOOK NO.	SHEETS
	31 of 81
CONTRACT NO.	PROJECT NO.
R-38565	1401828





**LEGEND**

- 80 Temporary Pavement Marking, Yellow, Solid, 4"
- 81 Temporary Pavement Marking, White, Solid, 4"
- 82 Temporary Pavement Marking, White, Broken, 4"
- 83 Temporary Pavement Marking, White, Broken, 5"
- 84 Temporary Pavement Marking, White, Dotted, 8"
- 85 Temporary Pavement Marking, White, Solid, 8"
- TTB Temporary Traffic Barrier, Type 2
- Construction Area
- Construction Sign
- Drum, Temporary (Typ.)
- Type III-# Barricade
- Direction of Traffic
- Pavement Marking Break
- Portable Changeable Message Sign



Construction Signs

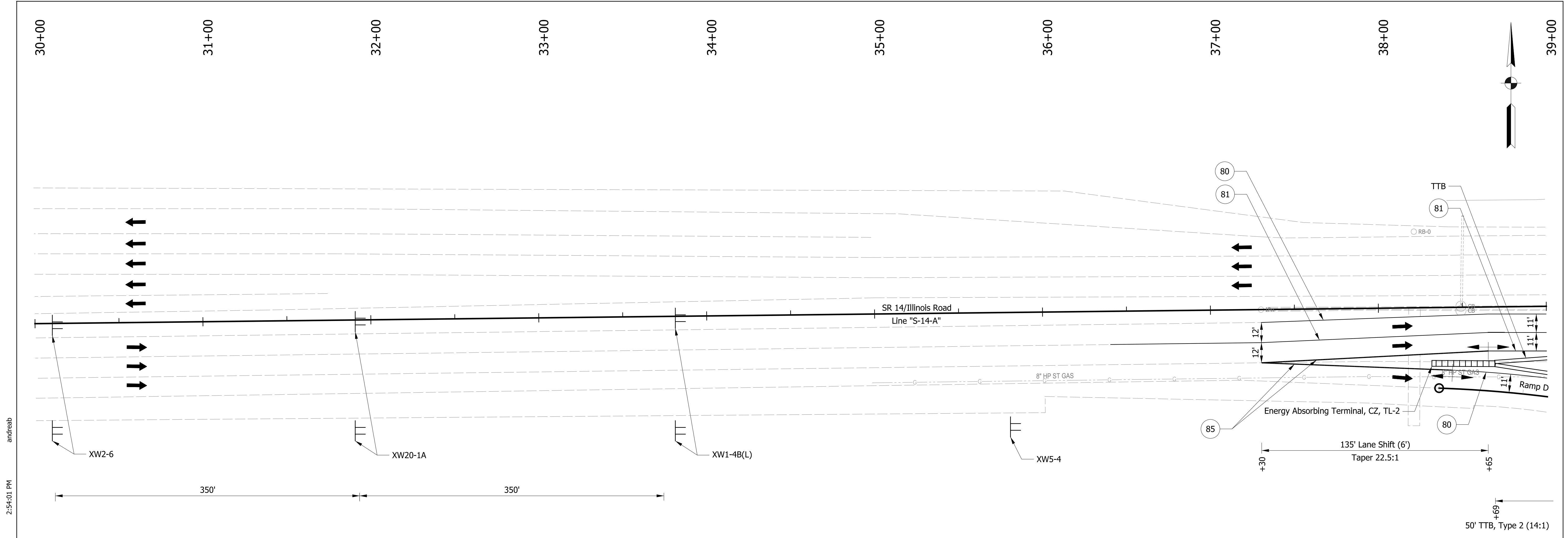
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

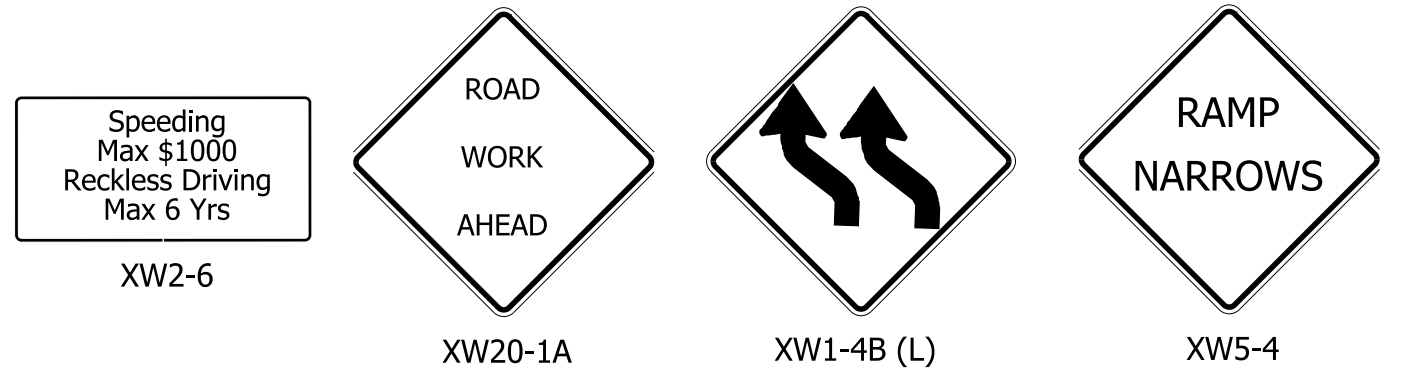
**INDIANA DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PHASE 3 - I-69**

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION NO.
NA	1401828
SURVEY BOOK NO.	SHEETS
	32 of 81
CONTRACT NO.	PROJECT NO.
R-38565	1401828



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**LEGEND**

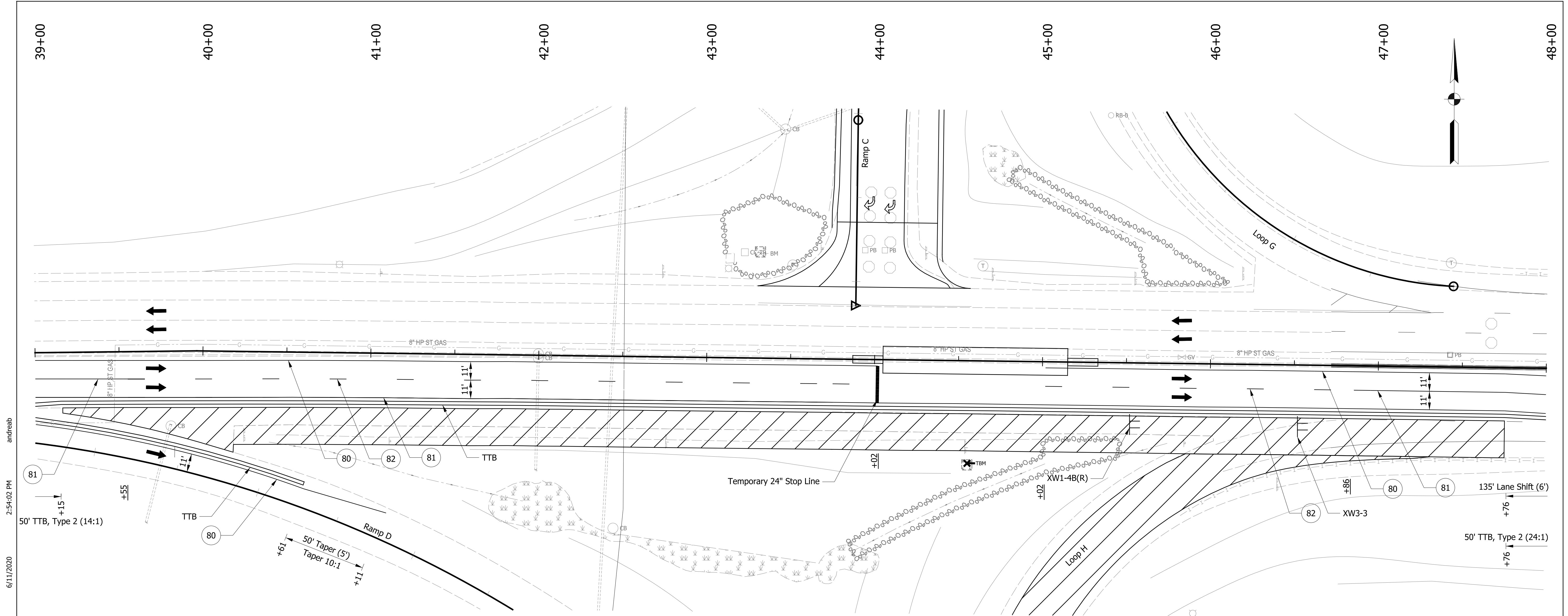
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|-----|---|-----|----------------------------------|
| 80  | Temporary Pavement Marking, Yellow, Solid, 4" |     | Construction Sign                |
| 81  | Temporary Pavement Marking, White, Solid, 4"  | ●   | Drum, Temporary (Typ.)           |
| 82  | Temporary Pavement Marking, White, Broken, 4" | ++  | Type III-# Barricade             |
| 83  | Temporary Pavement Marking, White, Broken, 5" | ➔   | Direction of Traffic             |
| 84  | Temporary Pavement Marking, White, Dotted, 8" | ⊕   | Pavement Marking Break           |
| 85  | Temporary Pavement Marking, White, Solid, 8"  | XXX | Portable Changeable Message Sign |
| TTB | Temporary Traffic Barrier, Type 2             |     |                                  |
|     | Construction Area                             |     |                                  |

RECOMMENDED FOR APPROVAL	
DESIGNED: ALB	DRAWN: ACB
CHECKED: MAR	CHECKED: MAR

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**MAINTENANCE OF TRAFFIC**  
**PHASE 3 - SR 14/ILLINOIS RD**

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION NO.
NA	1401828
SURVEY BOOK NO.	SHEETS
	33 of 81
CONTRACT NO.	PROJECT NO.
R-38565	1401828

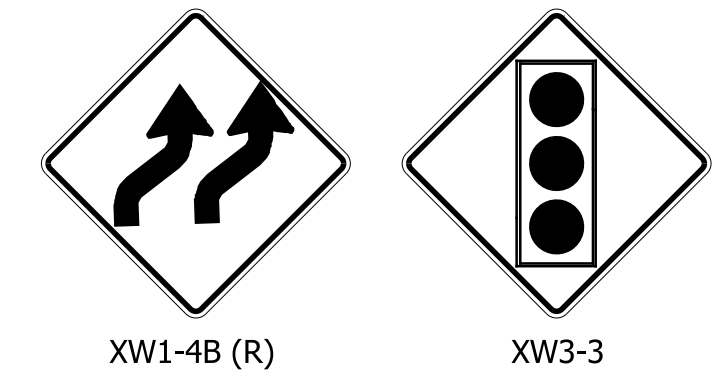
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**LEGEND**

- 80 Temporary Pavement Marking, Yellow, Solid, 4"
- 81 Temporary Pavement Marking, White, Solid, 4"
- 82 Temporary Pavement Marking, White, Broken, 4"
- 83 Temporary Pavement Marking, White, Broken, 5"
- 84 Temporary Pavement Marking, White, Dotted, 8"
- 85 Temporary Pavement Marking, White, Solid, 8"
- TTB Temporary Traffic Barrier, Type 2
- Construction Area
- Construction Sign
- Drum, Temporary (Typ.)
- Type III-# Barricade
- Direction of Traffic
- Pavement Marking Break
- XXX Portable Changeable Message Sign



XW1-4B (R) XW3-3

**Construction Signs**

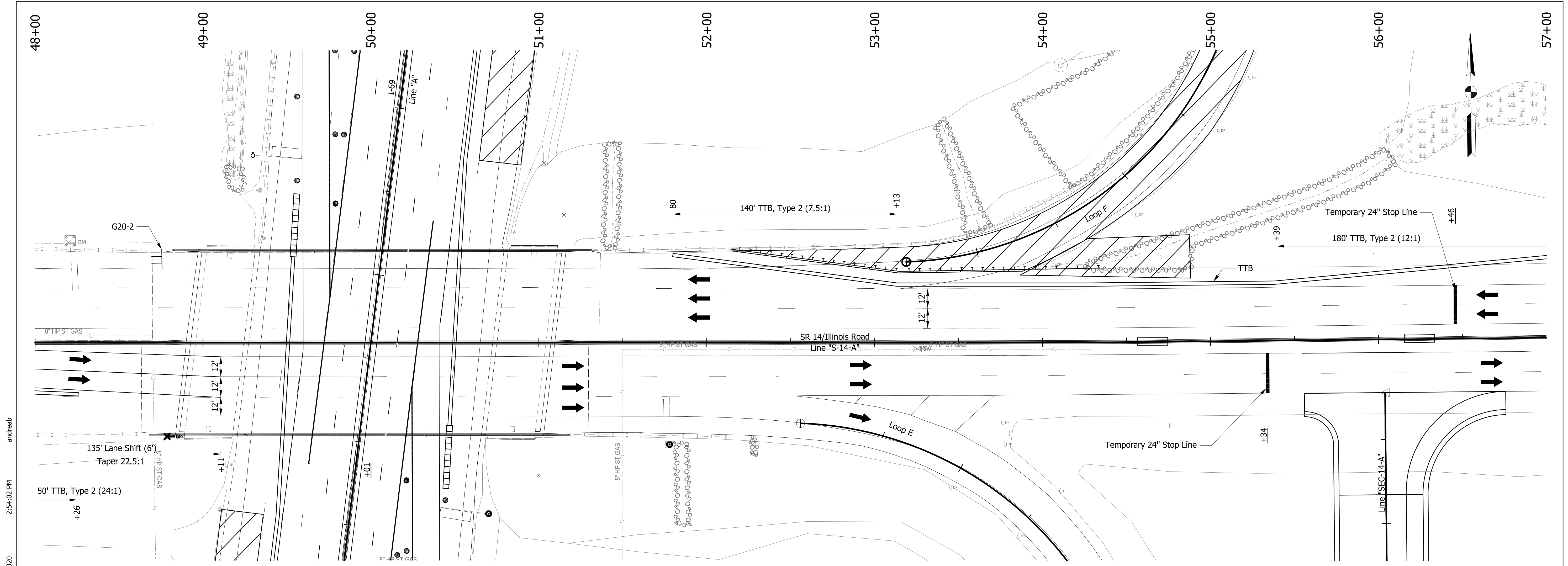
RECOMMENDED FOR APPROVAL	
DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB
CHECKED: MAR	CHECKED: MAR

**INDIANA DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
PHASE 3 - SR 14/ILLINOIS RD**

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE NO. N/A
VERTICAL SCALE NA	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 34 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828

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**LEGEND**

- 80 Temporary Pavement Marking, Yellow, Solid, 4"
- 81 Temporary Pavement Marking, White, Solid, 4"
- 82 Temporary Pavement Marking, White, Broken, 4"
- 83 Temporary Pavement Marking, White, Broken, 5"
- 84 Temporary Pavement Marking, White, Dotted, 8"
- 85 Temporary Pavement Marking, White, Solid, 8"
- TTB Temporary Traffic Barrier, Type 2
- Construction Area
- Construction Sign
- Drum, Temporary (Typ.)
- Type III-# Barricade
- Direction of Traffic
- Pavement Marking Break
- XXX Portable Changeable Message Sign

**END  
ROAD WORK**  
 G20-2  
 Construction Signs

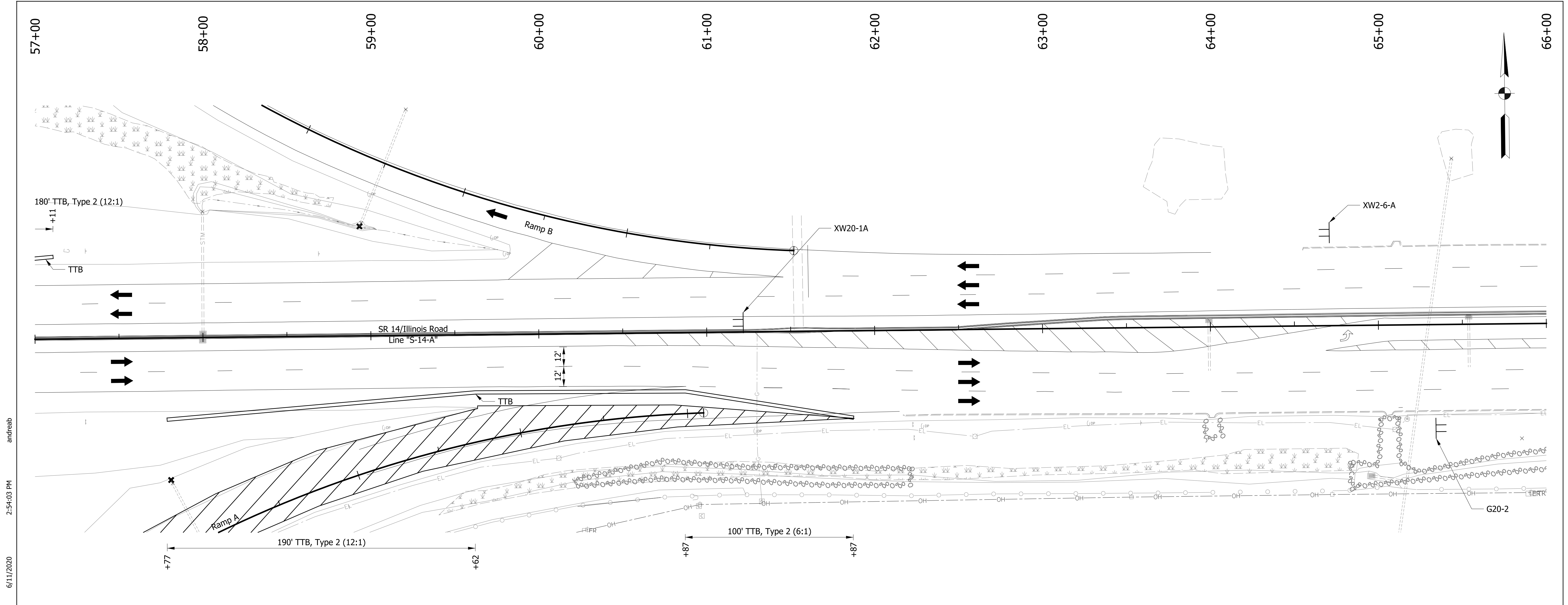
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RECOMMENDED FOR APPROVAL	
DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB
CHECKED: MAR	CHECKED: MAR

INDIANA  
DEPARTMENT OF TRANSPORTATION

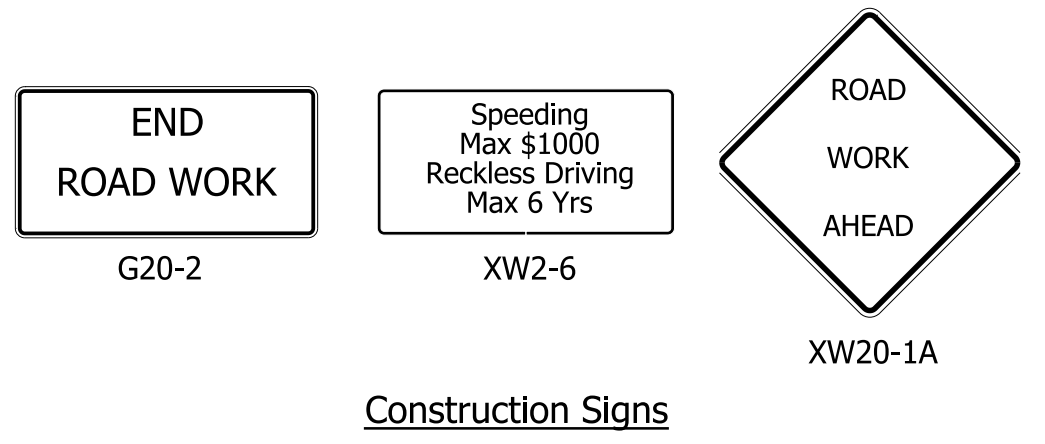
MAINTENANCE OF TRAFFIC  
PHASE 3 - SR 14/ILLINOIS RD

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE NO. N/A
VERTICAL SCALE NA	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 35 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828



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**LEGEND**

- 80 Temporary Pavement Marking, Yellow, Solid, 4"
- 81 Temporary Pavement Marking, White, Solid, 4"
- 82 Temporary Pavement Marking, White, Broken, 4"
- 83 Temporary Pavement Marking, White, Broken, 5"
- 84 Temporary Pavement Marking, White, Dotted, 8"
- 85 Temporary Pavement Marking, White, Solid, 8"
- TTB Temporary Traffic Barrier, Type 2
- Construction Area
- Construction Sign
- Drum, Temporary (Typ.)
- Type III-# Barricade
- Direction of Traffic
- Pavement Marking Break
- Portable Changeable Message Sign

RECOMMENDED FOR APPROVAL	
DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB
CHECKED: MAR	CHECKED: MAR

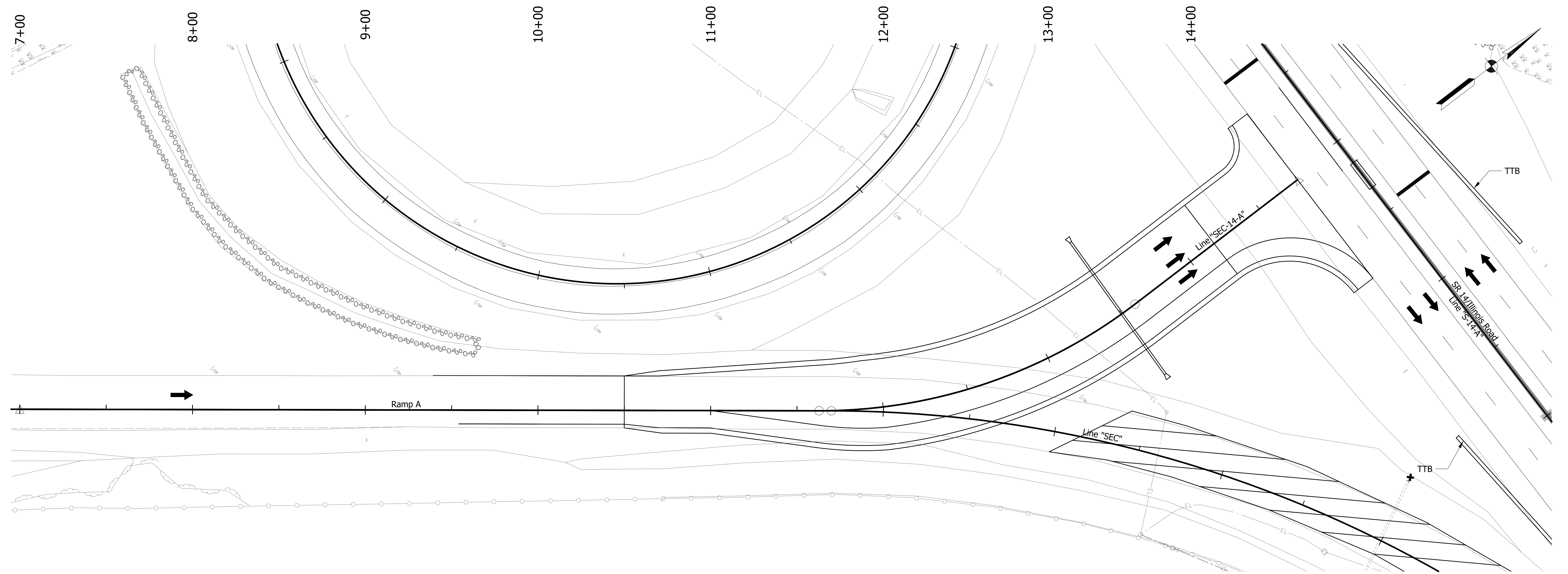
**INDIANA DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PHASE 3 - SR 14/ILLINOIS RD**

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION NO.
NA	1401828
SURVEY BOOK NO.	SHEETS
	36 of 81
CONTRACT NO.	PROJECT NO.
R-38565	1401828



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**LEGEND**

- 80 Temporary Pavement Marking, Yellow, Solid, 4"
- 81 Temporary Pavement Marking, White, Solid, 4"
- 82 Temporary Pavement Marking, White, Broken, 4"
- 83 Temporary Pavement Marking, White, Broken, 5"
- 84 Temporary Pavement Marking, White, Dotted, 8"
- 85 Temporary Pavement Marking, White, Solid, 8"
- TTB Temporary Traffic Barrier, Type 2
- Construction Area
- Construction Sign
- Drum, Temporary (Typ.)
- Type III-# Barricade
- Direction of Traffic
- Pavement Marking Break
- Portable Changeable Message Sign

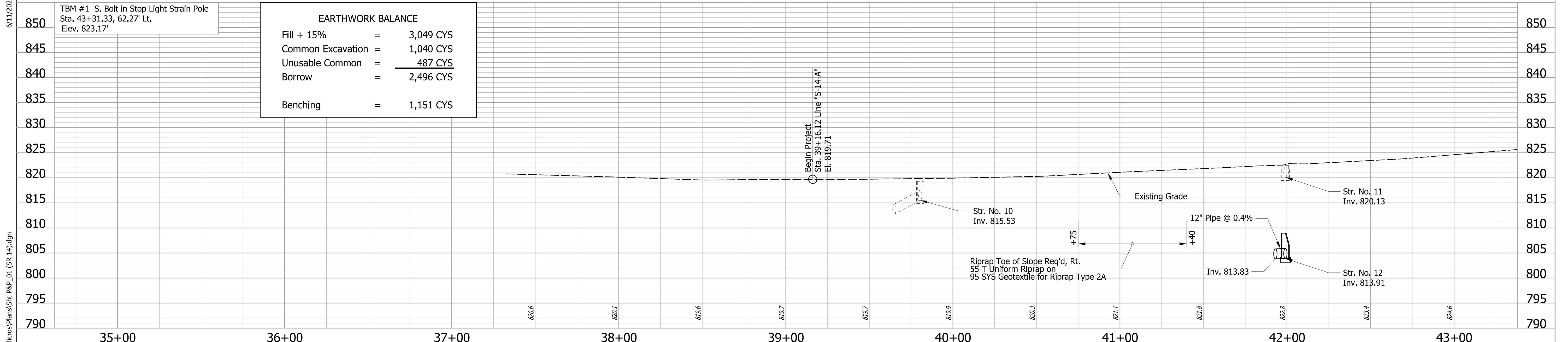
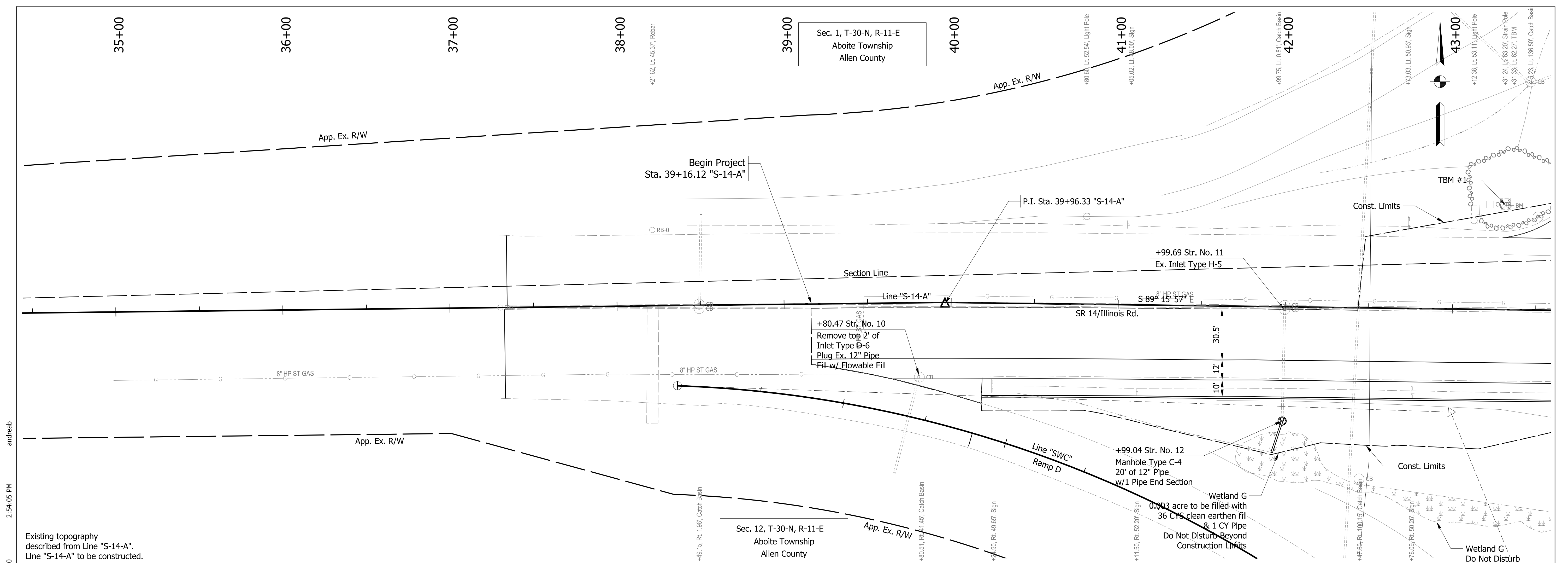
RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____	DATE _____
DESIGNED: ALB	DRAWN: ACB		
CHECKED: MAR	CHECKED: MAR		

**INDIANA DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PHASE 3 - RAMP A**

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE NO. N/A
VERTICAL SCALE NA	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 37 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828





EARTHWORK BALANCE		
Fill + 15%	=	3,049 CYS
Common Excavation	=	1,040 CYS
Unusable Common	=	487 CYS
Borrow	=	2,496 CYS
Benching	=	1,151 CYS

Existing topography described from Line "S-14-A".  
Line "S-14-A" to be constructed.

6/11/2020

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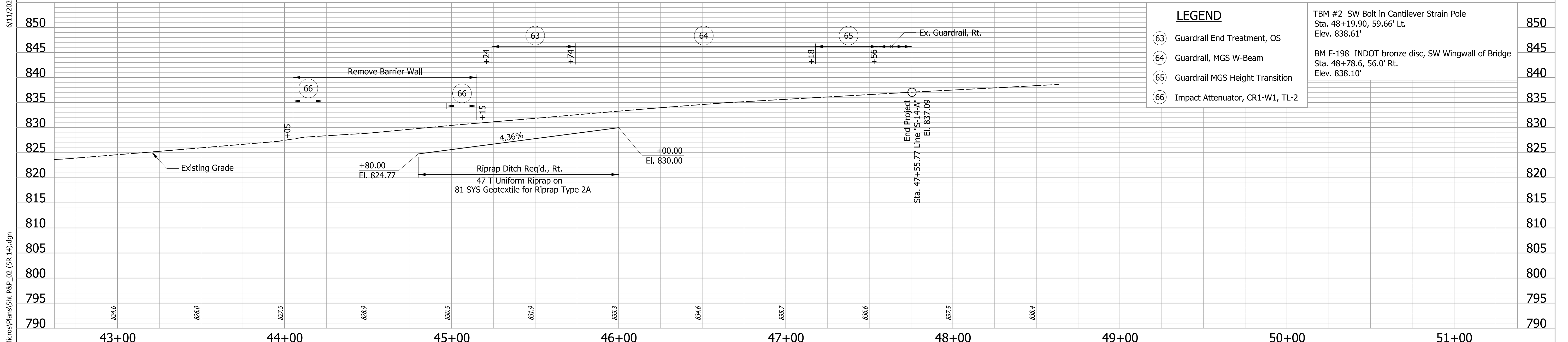
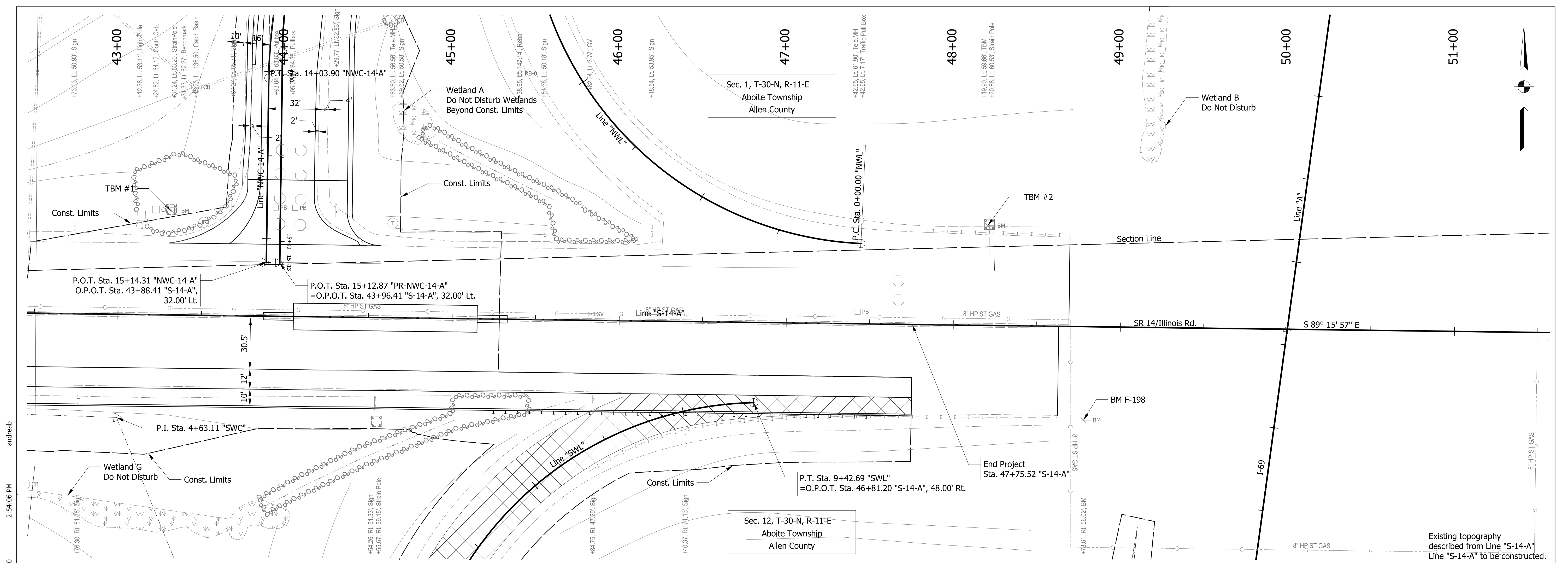
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

**INDIANA DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE**

**LINE "S-14-A"**

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE NO. N/A
VERTICAL SCALE 1" = 10'	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 38 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828

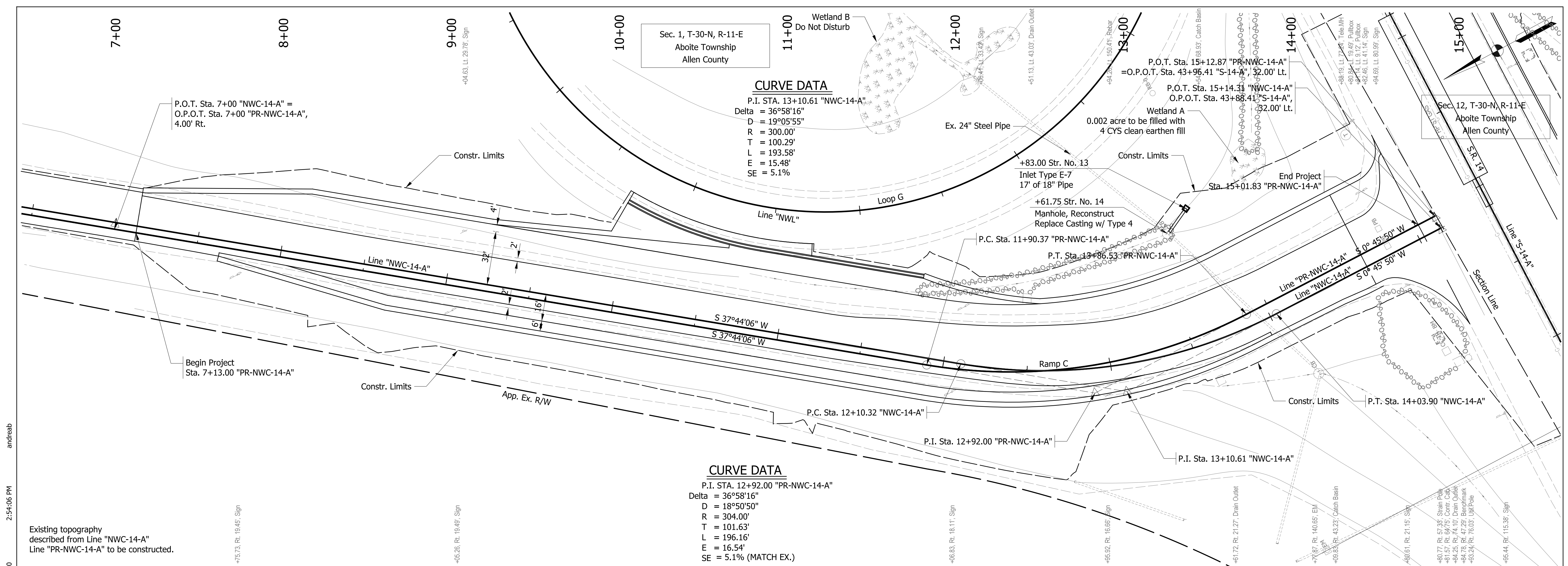


LEGEND	
63	Guardrail End Treatment, OS
64	Guardrail, MGS W-Beam
65	Guardrail MGS Height Transition
66	Impact Attenuator, CR1-W1, TL-2

TBM #2 SW Bolt in Cantilever Strain Pole Sta. 48+19.90, 59.66' Lt. Elev. 838.61'	850
BM F-198 INDOT bronze disc, SW Wingwall of Bridge Sta. 48+78.6, 56.0' Rt. Elev. 838.10'	845
	840
	835
	830
	825
	820
	815
	810
	805
	800
	795
	790

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE 1" = 30'		BRIDGE FILE NO. N/A	
DESIGNED: ALB		DRAWN: ACB				VERTICAL SCALE 1" = 10'		DESIGNATION NO. 1401828	
CHECKED: MAR		CHECKED: MAR		PLAN AND PROFILE LINE "S-14-A"		SURVEY BOOK NO.		SHEETS 39 of 81	
						CONTRACT NO. R-38565		PROJECT NO. 1401828	

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Sec. 1, T-30-N, R-11-E  
Aboite Township  
Allen County

Sec. 12, T-30-N, R-11-E  
Aboite Township  
Allen County

**CURVE DATA**

P.I. STA. 13+10.61 "NWC-14-A"  
Delta = 36°58'16"  
D = 19°05'55"  
R = 300.00'  
T = 100.29'  
L = 193.58'  
E = 15.48'  
SE = 5.1%

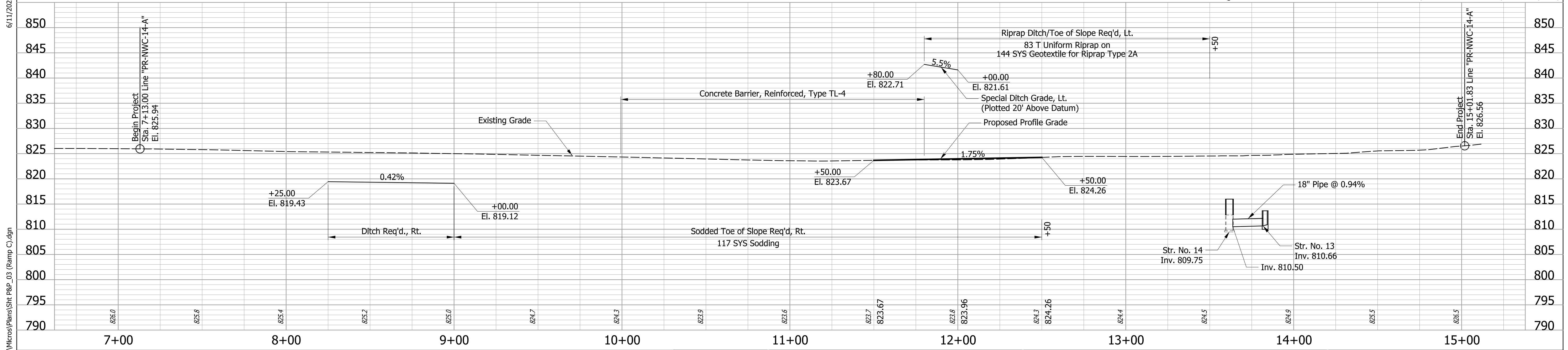
**CURVE DATA**

P.I. STA. 12+92.00 "PR-NWC-14-A"  
Delta = 36°58'16"  
D = 18°50'50"  
R = 304.00'  
T = 101.63'  
L = 196.16'  
E = 16.54'  
SE = 5.1% (MATCH EX.)

Existing topography described from Line "NWC-14-A" Line "PR-NWC-14-A" to be constructed.

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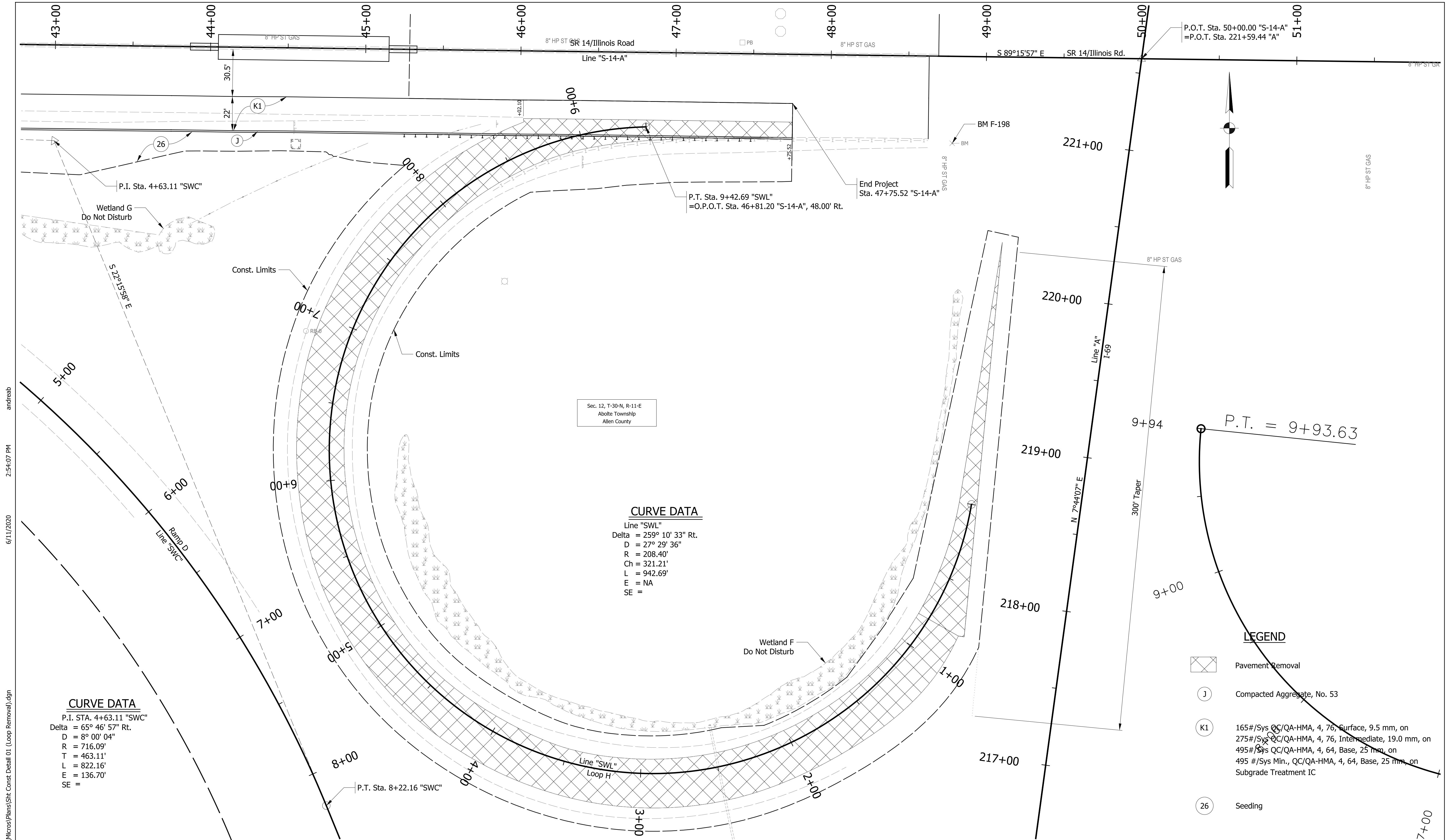


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

**INDIANA DEPARTMENT OF TRANSPORTATION**

**PLAN & PROFILE**  
**LINE "PR-NWC-14-A"**

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE NO. N/A
VERTICAL SCALE 1" = 10'	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 40 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828



Sec. 12, T-30-N, R-11-E  
Aboite Township  
Allen County

**CURVE DATA**

Line "SWL"  
Delta = 259° 10' 33" Rt.  
D = 27° 29' 36"  
R = 208.40'  
Ch = 321.21'  
L = 942.69'  
E = NA  
SE =

**CURVE DATA**

P.I. STA. 4+63.11 "SWC"  
Delta = 65° 46' 57" Rt.  
D = 8° 00' 04"  
R = 716.09'  
T = 463.11'  
L = 822.16'  
E = 136.70'  
SE =

**LEGEND**

- Pavement Removal
- Compacted Aggregate, No. 53
- 165#/Sys QC/QA-HMA, 4, 76, Surface, 9.5 mm, on 275#/Sys QC/QA-HMA, 4, 76, Intermediate, 19.0 mm, on 495#/Sys QC/QA-HMA, 4, 64, Base, 25 mm, on 495 #/Sys Min., QC/QA-HMA, 4, 64, Base, 25 mm, on Subgrade Treatment IC
- Seeding

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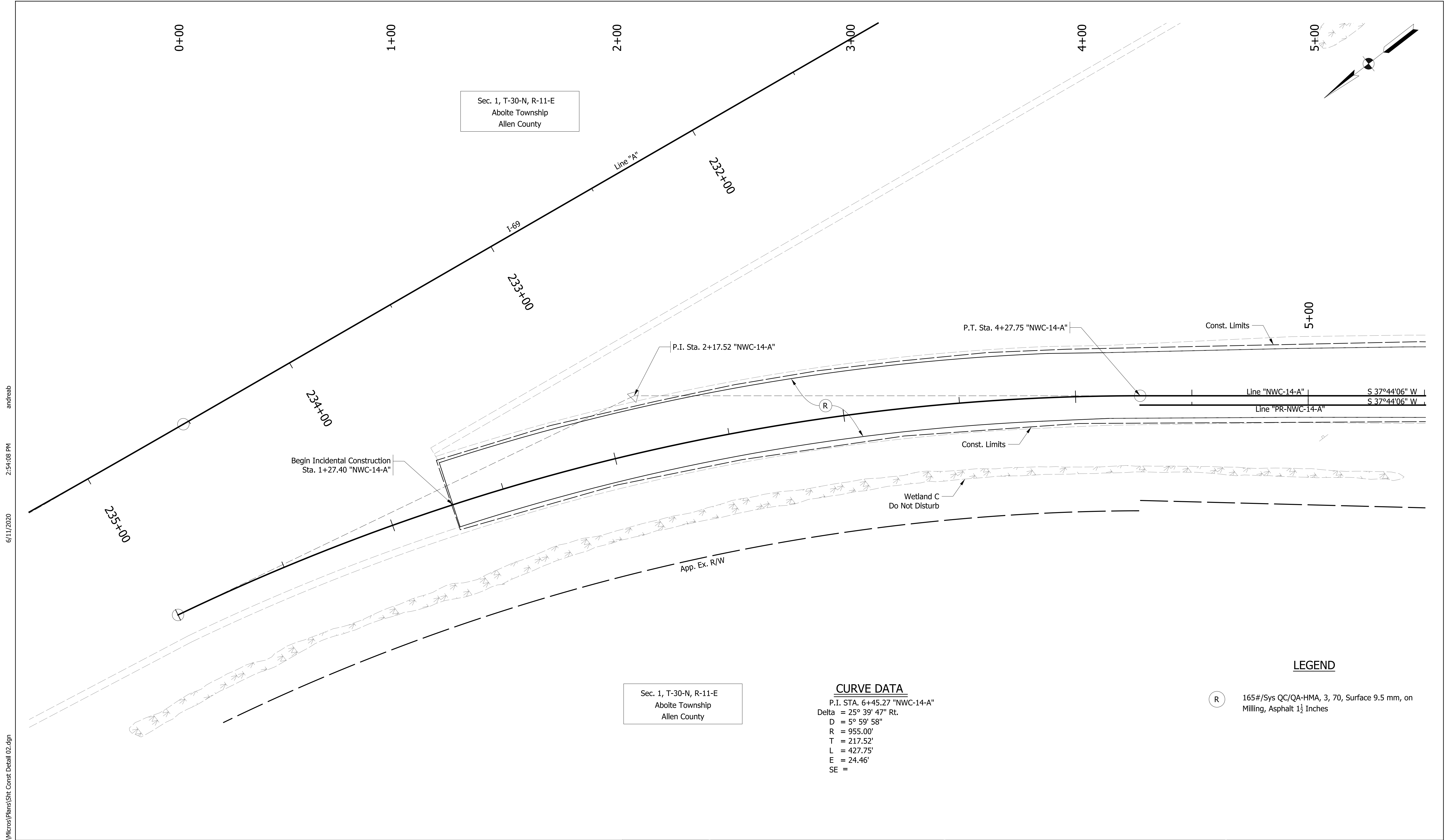
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

**INDIANA DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION DETAILS**  
**LOOP H REMOVAL**

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION NO.
NA	1401828
SURVEY BOOK NO.	SHEETS
	41 of 81
CONTRACT NO.	PROJECT NO.
R-38565	1401828





Sec. 1, T-30-N, R-11-E  
Aboite Township  
Allen County

Sec. 1, T-30-N, R-11-E  
Aboite Township  
Allen County

**CURVE DATA**  
 P.I. STA. 6+45.27 "NWC-14-A"  
 Delta = 25° 39' 47" Rt.  
 D = 5° 59' 58"  
 R = 955.00'  
 T = 217.52'  
 L = 427.75'  
 E = 24.46'  
 SE =

(R) 165#/Sys QC/QA-HMA, 3, 70, Surface 9.5 mm, on Milling, Asphalt 1½ Inches

**LEGEND**

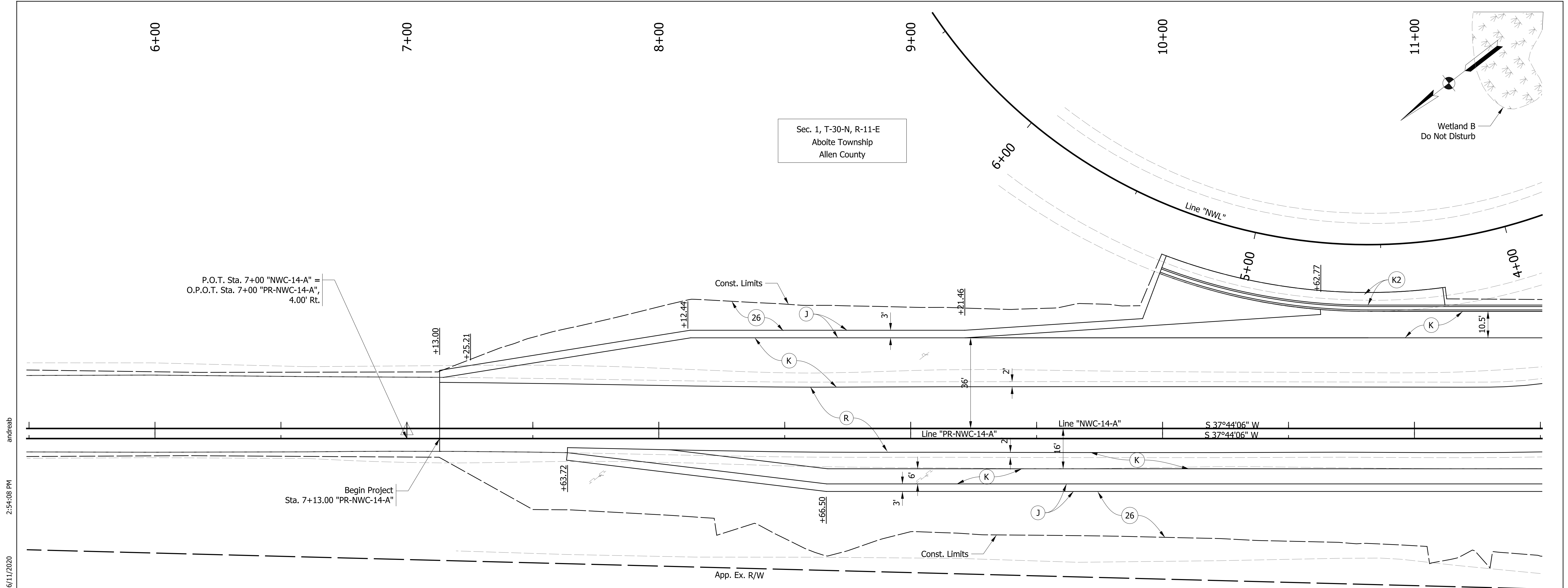
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RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB		
CHECKED: MAR	CHECKED: MAR		

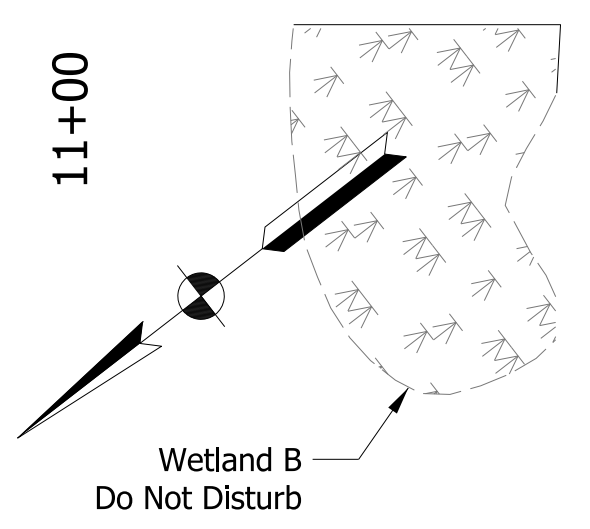
**INDIANA DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION DETAILS**  
LINE "NWC-14-A"

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE NO. N/A
VERTICAL SCALE NA	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 42 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828



Sec. 1, T-30-N, R-11-E  
Aboite Township  
Allen County



P.O.T. Sta. 7+00 "NWC-14-A" =  
O.P.O.T. Sta. 7+00 "PR-NWC-14-A",  
4.00' Rt.

Begin Project  
Sta. 7+13.00 "PR-NWC-14-A"

Sec. 1, T-30-N, R-11-E  
Aboite Township  
Allen County

**LEGEND**

- (J) Compacted Aggregate, No. 53
- (K) 165#/Sys QC/QA-HMA, 3, 70, Surface, 9.5 mm, on 275#/Sys QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on 550#/Sys QC/QA-HMA, 3, 64, Base, 25 mm, on 300 #/Sys QC/QA-HMA, 4, 76, Intermediate OG, 19 mm, on 4 Inches of Compacted Aggregate, No. 53, on Subgrade Treatment Type IC
- (K2) 165#/Sys HMA Surface, Type C, on 275#/Sys HMA Intermediate, Type C, on 550#/Sys HMA Base, Type C, on 550#/Sys HMA Base, Type C, on Subgrade Treatment Type C
- (R) 165#/Sys QC/QA-HMA, 3, 70, Surface, 9.5 mm, on Milling, Asphalt, 1 1/2 inches
- (26) Seeding

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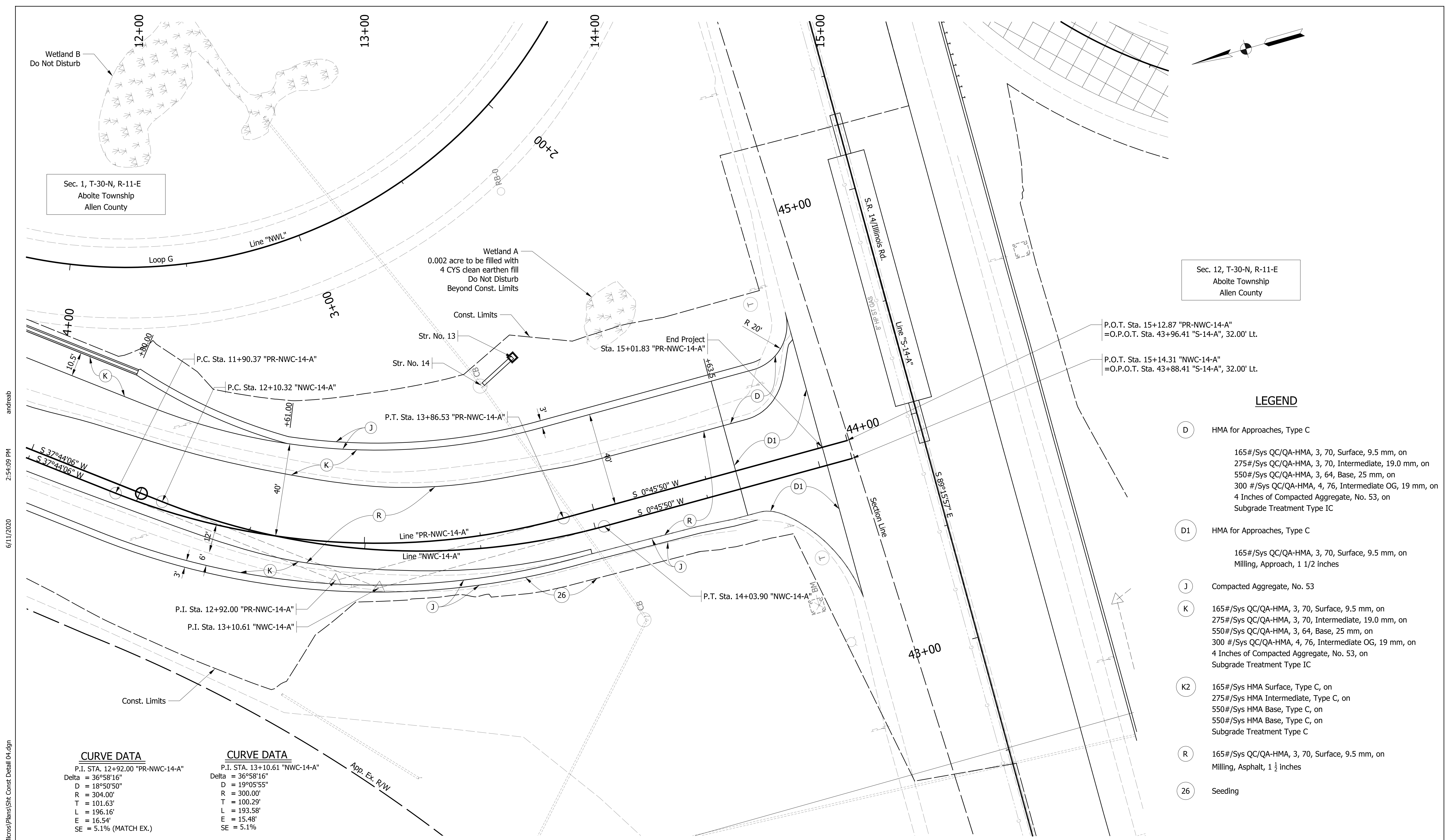
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

INDIANA  
DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION DETAILS**  
LINE "NWC-14-A"

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE NO. N/A
VERTICAL SCALE NA	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 43 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828





Sec. 1, T-30-N, R-11-E  
Aboite Township  
Allen County

Sec. 12, T-30-N, R-11-E  
Aboite Township  
Allen County

P.O.T. Sta. 15+12.87 "PR-NWC-14-A"  
=O.P.O.T. Sta. 43+96.41 "S-14-A", 32.00' Lt.

P.O.T. Sta. 15+14.31 "NWC-14-A"  
=O.P.O.T. Sta. 43+88.41 "S-14-A", 32.00' Lt.

**LEGEND**

- (D) HMA for Approaches, Type C  
165#/Sys QC/QA-HMA, 3, 70, Surface, 9.5 mm, on  
275#/Sys QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on  
550#/Sys QC/QA-HMA, 3, 64, Base, 25 mm, on  
300 #/Sys QC/QA-HMA, 4, 76, Intermediate OG, 19 mm, on  
4 Inches of Compacted Aggregate, No. 53, on  
Subgrade Treatment Type IC
- (D1) HMA for Approaches, Type C  
165#/Sys QC/QA-HMA, 3, 70, Surface, 9.5 mm, on  
Milling, Approach, 1 1/2 inches
- (J) Compacted Aggregate, No. 53
- (K) 165#/Sys QC/QA-HMA, 3, 70, Surface, 9.5 mm, on  
275#/Sys QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on  
550#/Sys QC/QA-HMA, 3, 64, Base, 25 mm, on  
300 #/Sys QC/QA-HMA, 4, 76, Intermediate OG, 19 mm, on  
4 Inches of Compacted Aggregate, No. 53, on  
Subgrade Treatment Type IC
- (K2) 165#/Sys HMA Surface, Type C, on  
275#/Sys HMA Intermediate, Type C, on  
550#/Sys HMA Base, Type C, on  
550#/Sys HMA Base, Type C, on  
Subgrade Treatment Type C
- (R) 165#/Sys QC/QA-HMA, 3, 70, Surface, 9.5 mm, on  
Milling, Asphalt, 1 1/2 inches
- (26) Seeding

**CURVE DATA**  
P.I. STA. 12+92.00 "PR-NWC-14-A"  
Delta = 36°58'16"  
D = 18°50'50"  
R = 304.00'  
T = 101.63'  
L = 196.16'  
E = 16.54'  
SE = 5.1% (MATCH EX.)

**CURVE DATA**  
P.I. STA. 13+10.61 "NWC-14-A"  
Delta = 36°58'16"  
D = 19°05'55"  
R = 300.00'  
T = 100.29'  
L = 193.58'  
E = 15.48'  
SE = 5.1%

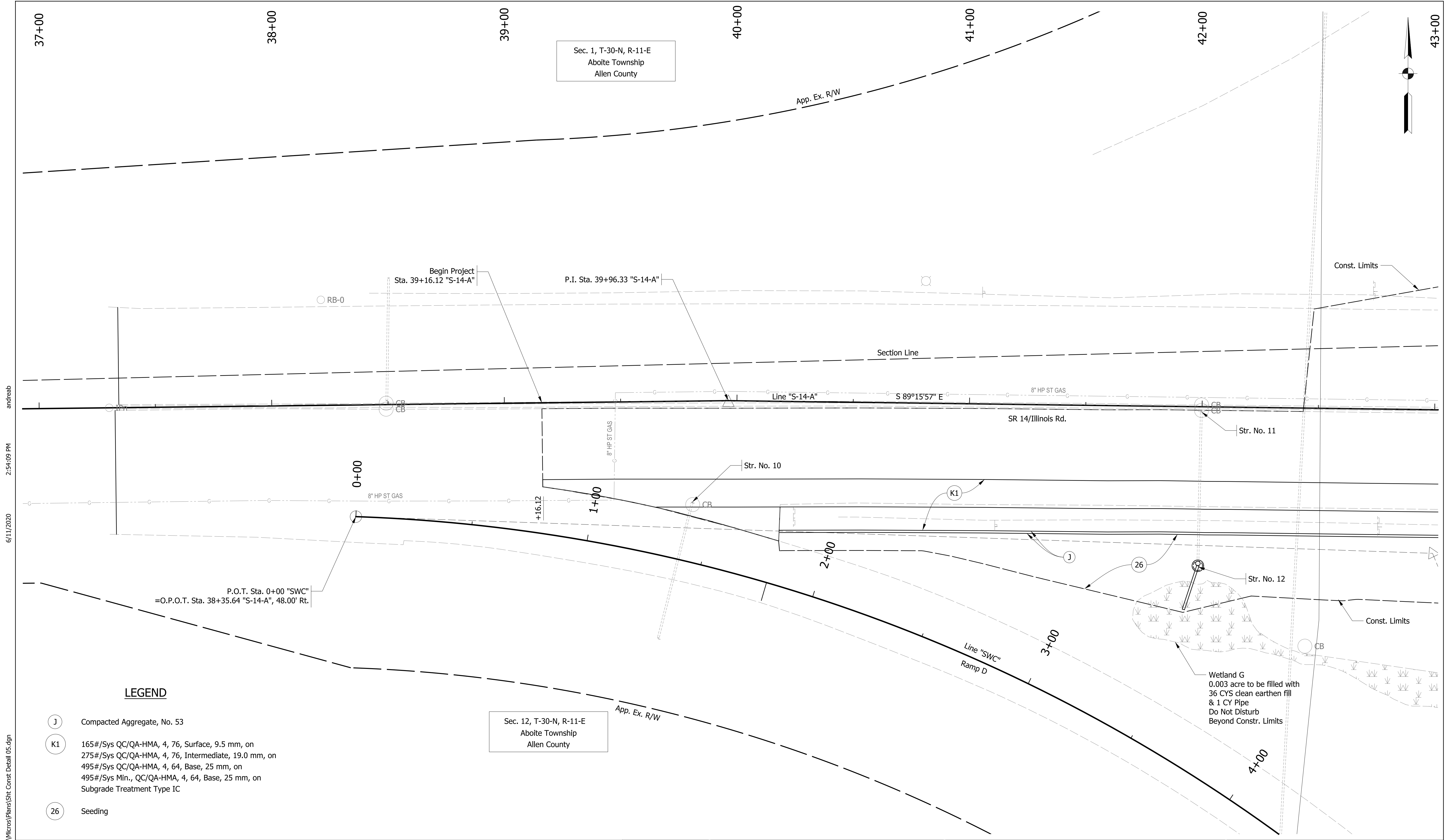
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

**INDIANA DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION DETAILS**  
**LINE "NWC-14-A"**

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE NO. N/A
VERTICAL SCALE NA	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 44 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828



**LEGEND**

- (J) Compacted Aggregate, No. 53
- (K1) 165#/Sys QC/QA-HMA, 4, 76, Surface, 9.5 mm, on  
275#/Sys QC/QA-HMA, 4, 76, Intermediate, 19.0 mm, on  
495#/Sys QC/QA-HMA, 4, 64, Base, 25 mm, on  
495#/Sys Min., QC/QA-HMA, 4, 64, Base, 25 mm, on  
Subgrade Treatment Type IC
- (26) Seeding

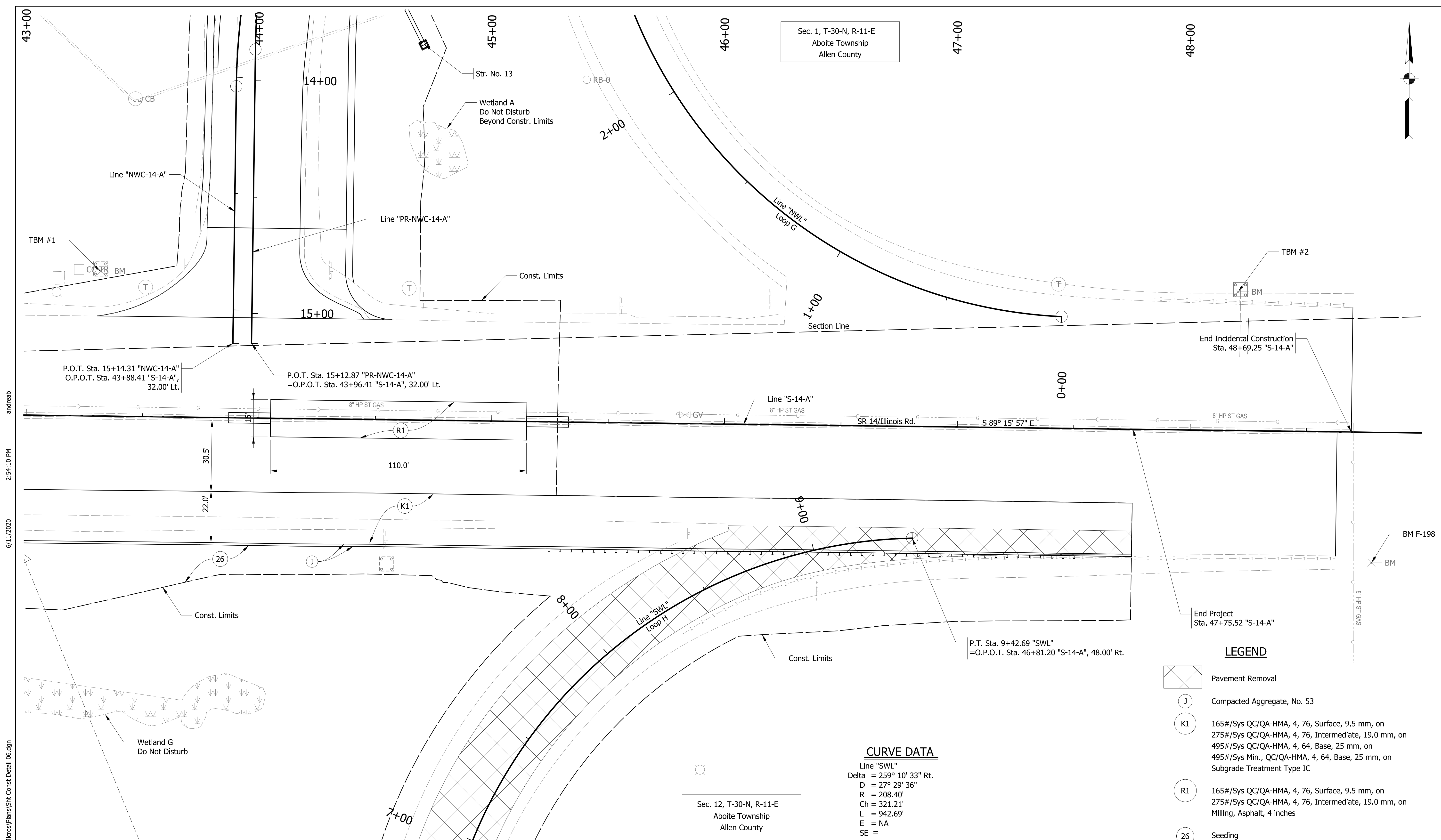
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

INDIANA  
DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION DETAILS**  
**LINE "S-14-A"**

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE NO. N/A
VERTICAL SCALE N/A	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 45 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828

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**CURVE DATA**

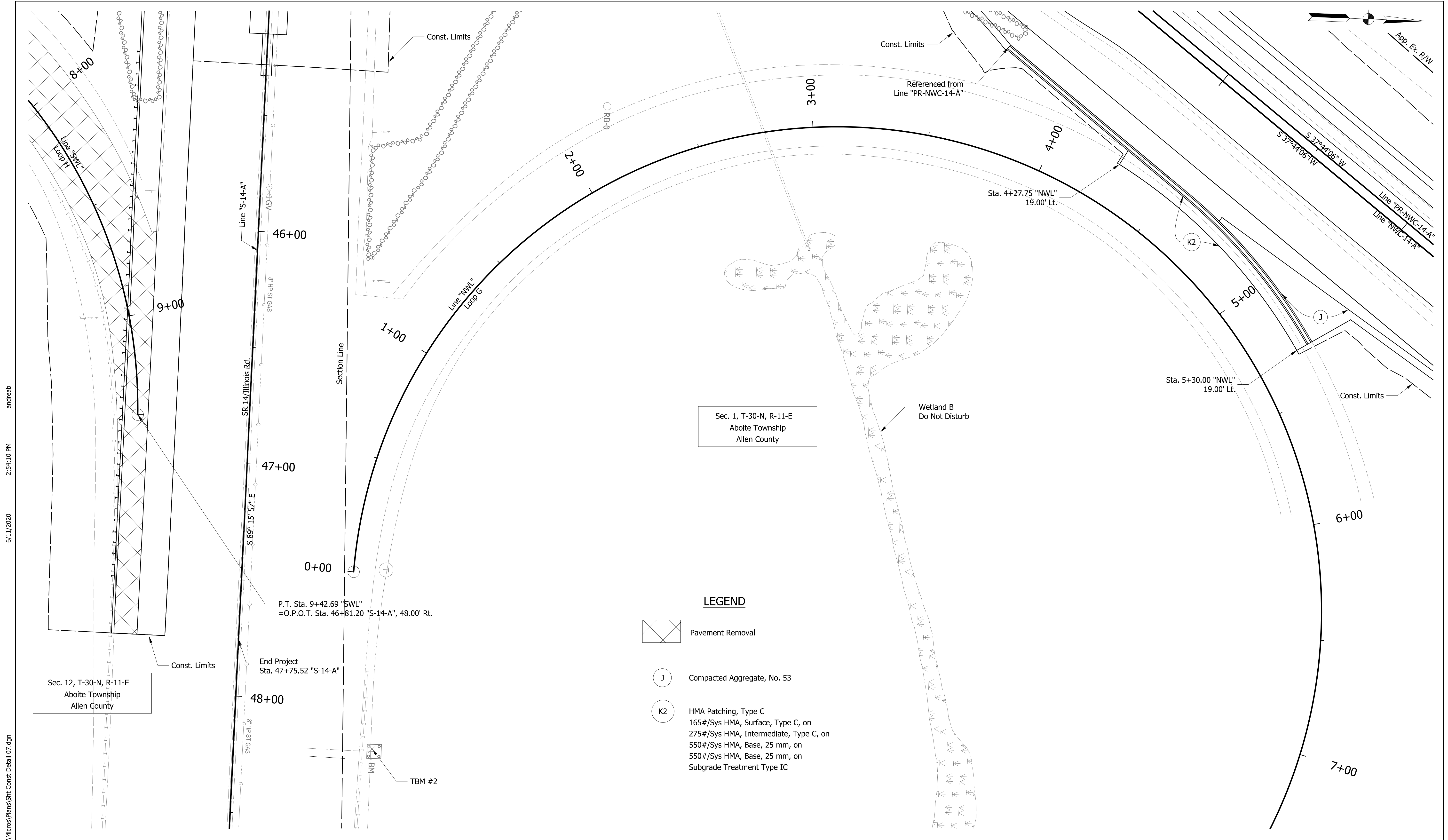
Line "SWL"  
Delta = 259° 10' 33" Rt.  
D = 27° 29' 36"  
R = 208.40'  
Ch = 321.21'  
L = 942.69'  
E = NA  
SE =

**LEGEND**

- Pavement Removal
- Compacted Aggregate, No. 53
- 165#/Sys QC/QA-HMA, 4, 76, Surface, 9.5 mm, on 275#/Sys QC/QA-HMA, 4, 76, Intermediate, 19.0 mm, on 495#/Sys QC/QA-HMA, 4, 64, Base, 25 mm, on 495#/Sys Min., QC/QA-HMA, 4, 64, Base, 25 mm, on Subgrade Treatment Type IC
- 165#/Sys QC/QA-HMA, 4, 76, Surface, 9.5 mm, on 275#/Sys QC/QA-HMA, 4, 76, Intermediate, 19.0 mm, on Milling, Asphalt, 4 inches
- Seeding

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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER _____ DATE _____		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE NO.
	DESIGNED: ALB	DRAWN: ACB		1" = 20'	N/A
CHECKED: MAR	CHECKED: MAR		CONSTRUCTION DETAILS LINE "S-14-A"	VERTICAL SCALE	DESIGNATION NO.
				N/A	1401828
				SURVEY BOOK NO.	SHEETS
			CONTRACT NO.	46 of 81	
			R-38565	PROJECT NO.	1401828

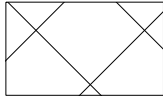

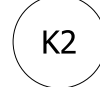


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Sec. 1, T-30-N, R-11-E  
 Aboite Township  
 Allen County

Sec. 12, T-30-N, R-11-E  
 Aboite Township  
 Allen County

**LEGEND**

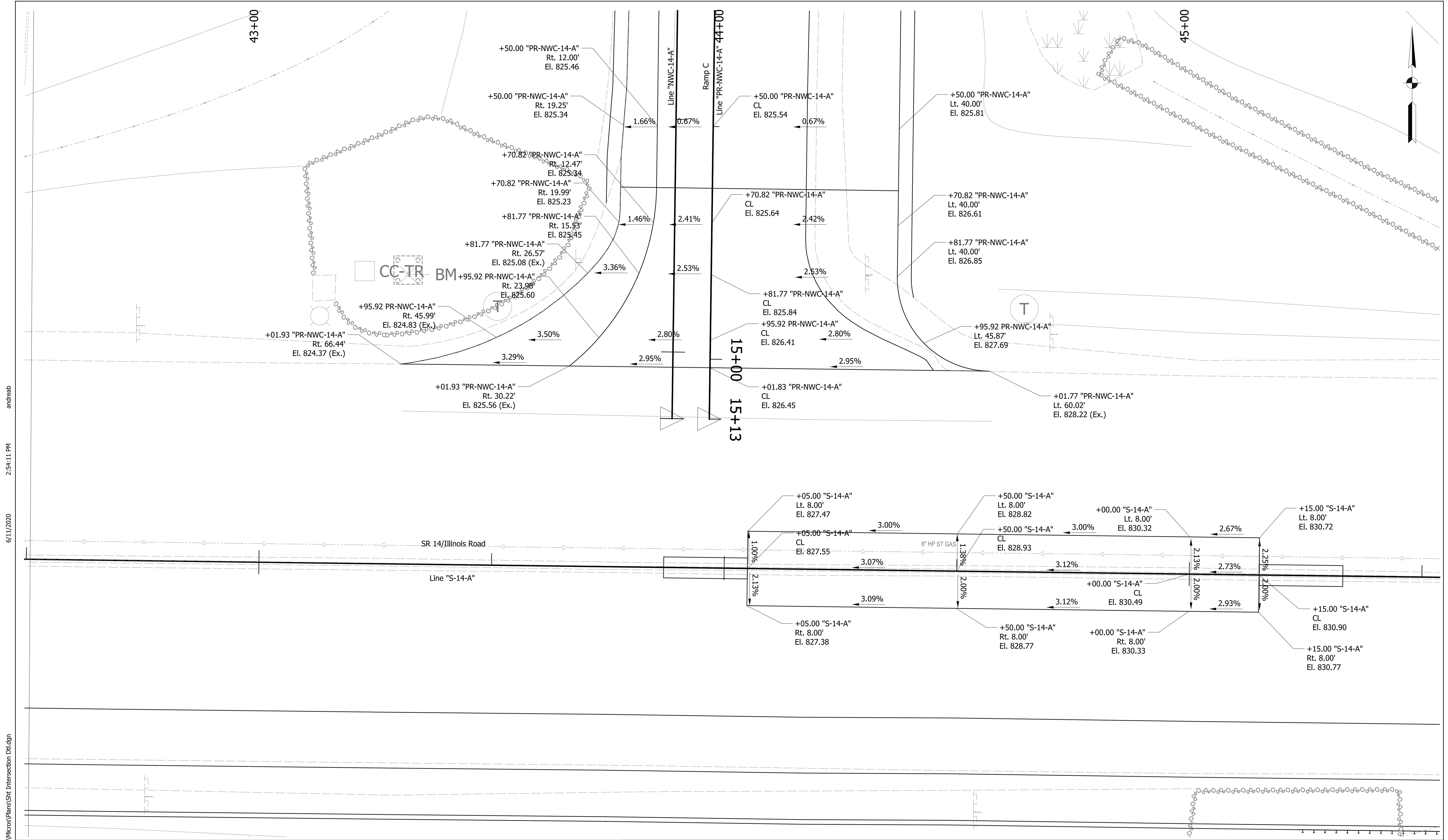
-  Pavement Removal
-  Compacted Aggregate, No. 53
-  HMA Patching, Type C  
 165#/Sys HMA, Surface, Type C, on  
 275#/Sys HMA, Intermediate, Type C, on  
 550#/Sys HMA, Base, 25 mm, on  
 550#/Sys HMA, Base, 25 mm, on  
 Subgrade Treatment Type IC

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____	DATE _____
DESIGNED: ALB	DRAWN: ACB		
CHECKED: MAR	CHECKED: MAR		

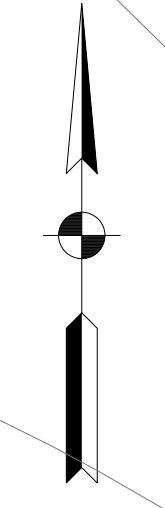
**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**CONSTRUCTION DETAILS**  
**LINE "NWL"**

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE NO. N/A
VERTICAL SCALE N/A	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 47 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828





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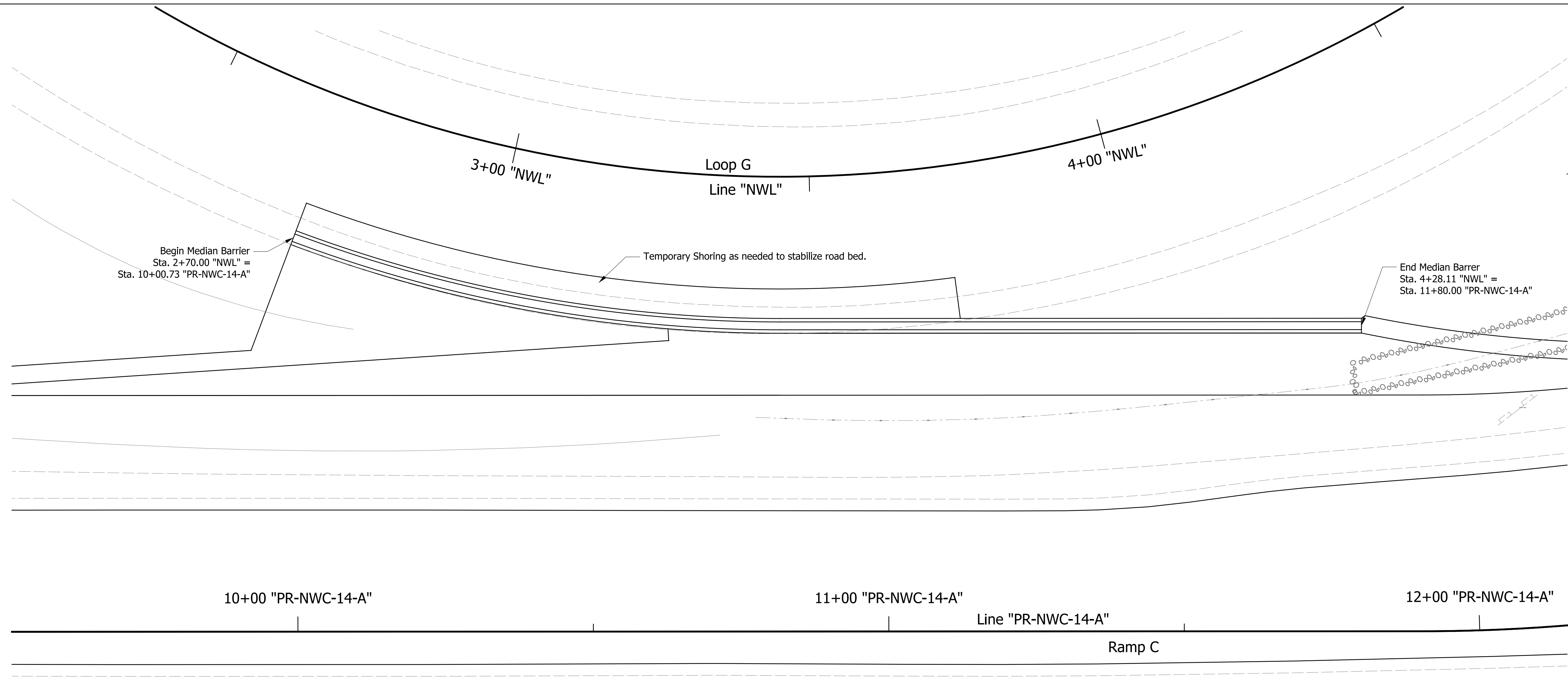


RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____	DATE _____
DESIGNED: ALB	DRAWN: ACB		
CHECKED: MAR	CHECKED: MAR		

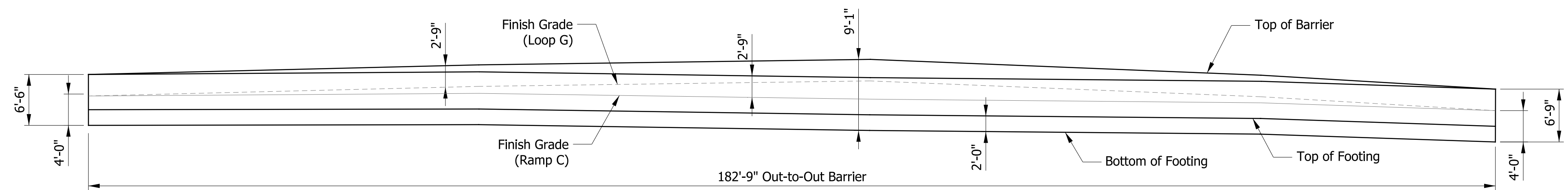
**INDIANA DEPARTMENT OF TRANSPORTATION**  
**INTERSECTION DETAIL**

HORIZONTAL SCALE 1" = 10'	BRIDGE FILE NO. N/A
VERTICAL SCALE	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 48 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828

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PLAN VIEW



ELEVATION VIEW

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: BKS	DRAWN: MPF		
CHECKED: CMB	CHECKED: CMB		

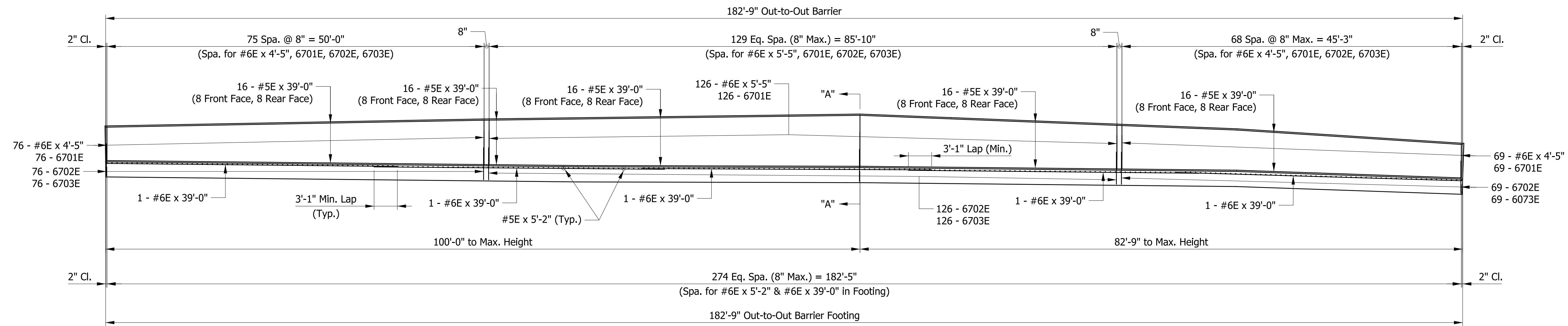
**INDIANA DEPARTMENT OF TRANSPORTATION**  
**BARRIER RAILING DETAILS**

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION NO.
	1401828
SURVEY BOOK NO.	SHEETS
	49 of 81
CONTRACT NO.	PROJECT NO.
R-38565	1401828

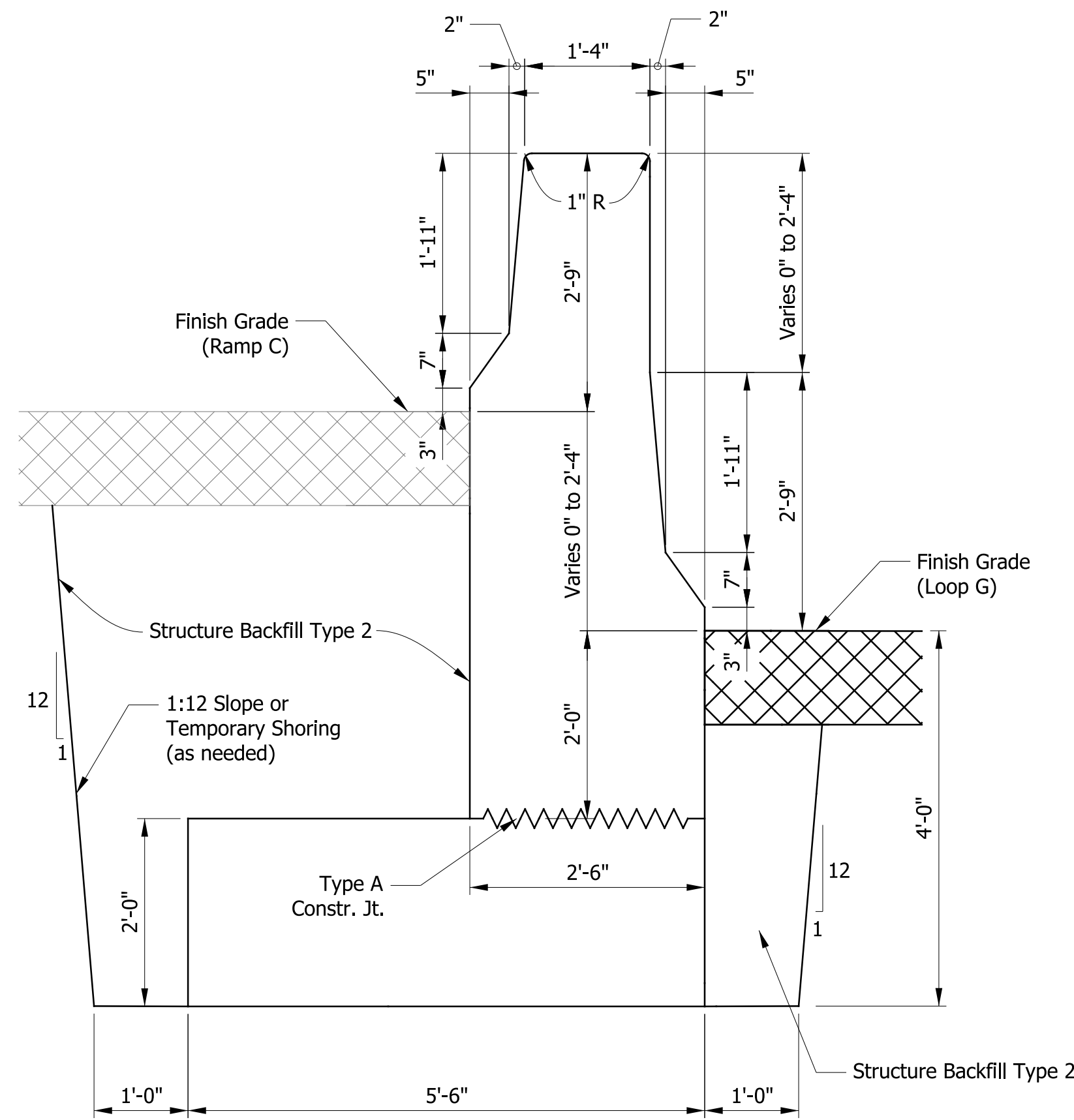


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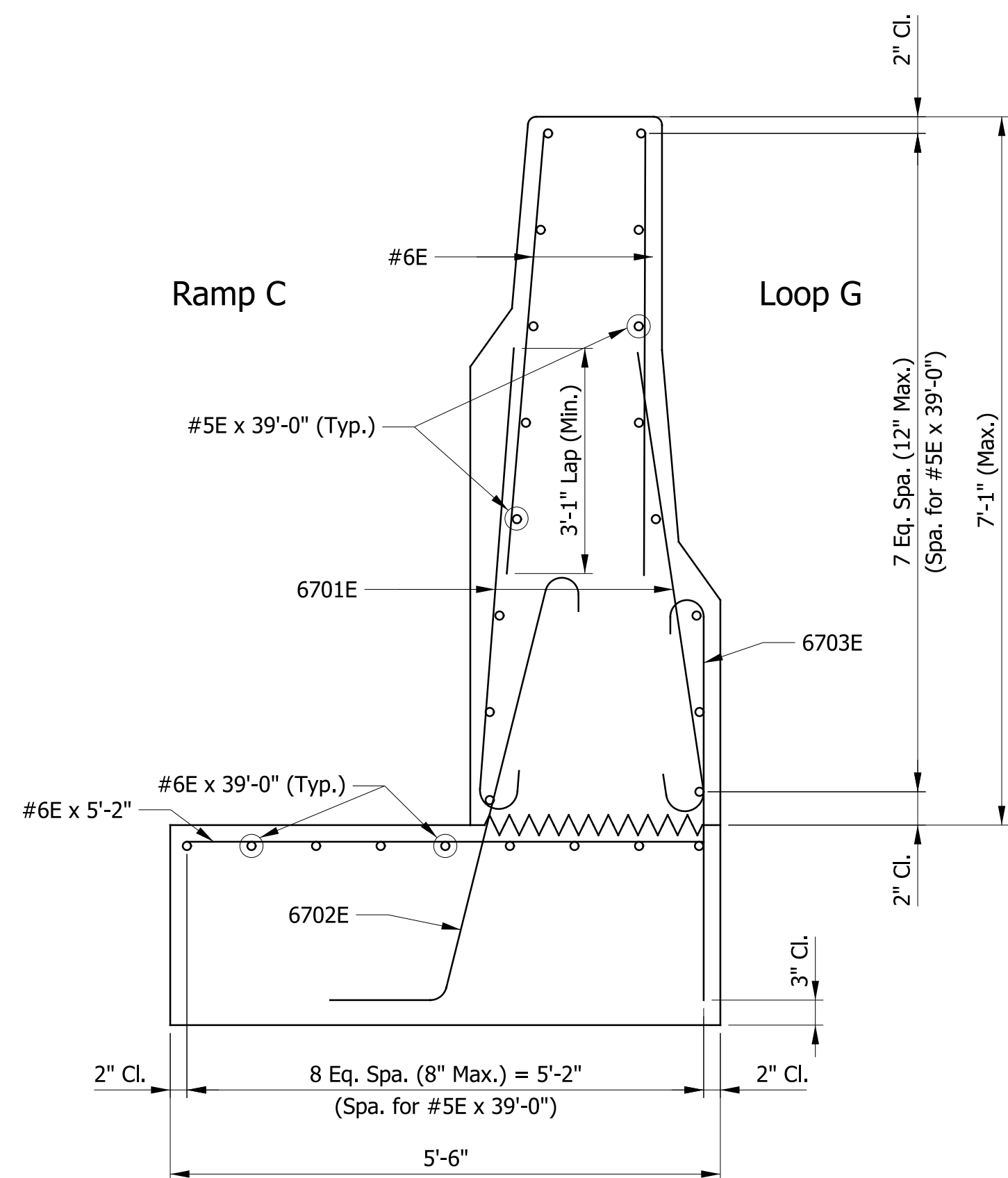


ELEVATION - REINFORCING



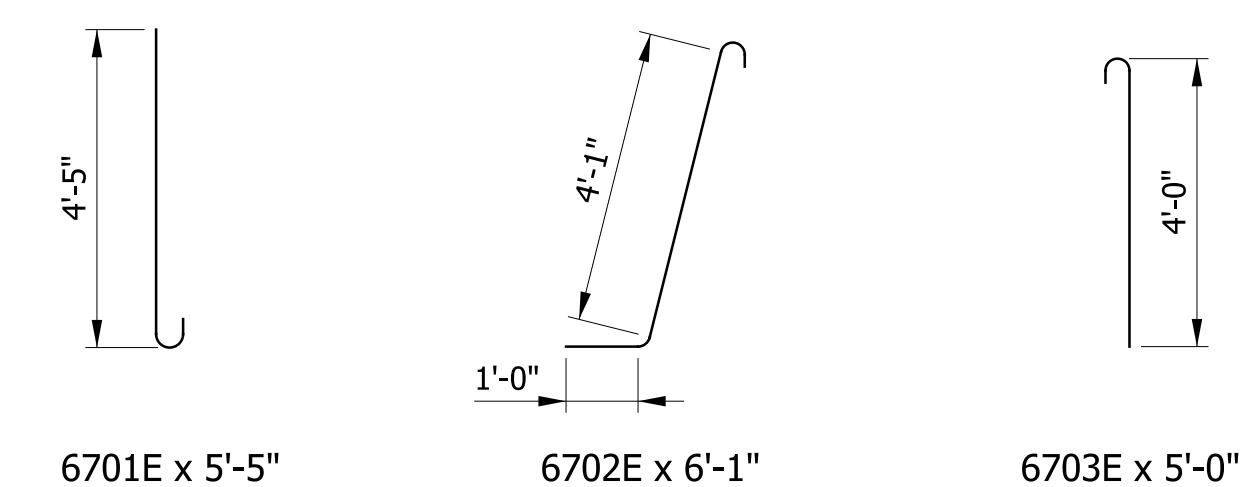
SECTION A-A  
CONCRETE DIMENSIONS

Scale: 3/4" = 1'-0"



SECTION A-A  
REINFORCING

Scale: 3/4" = 1'-0"



BAR BEND DETAILS

Not to Scale

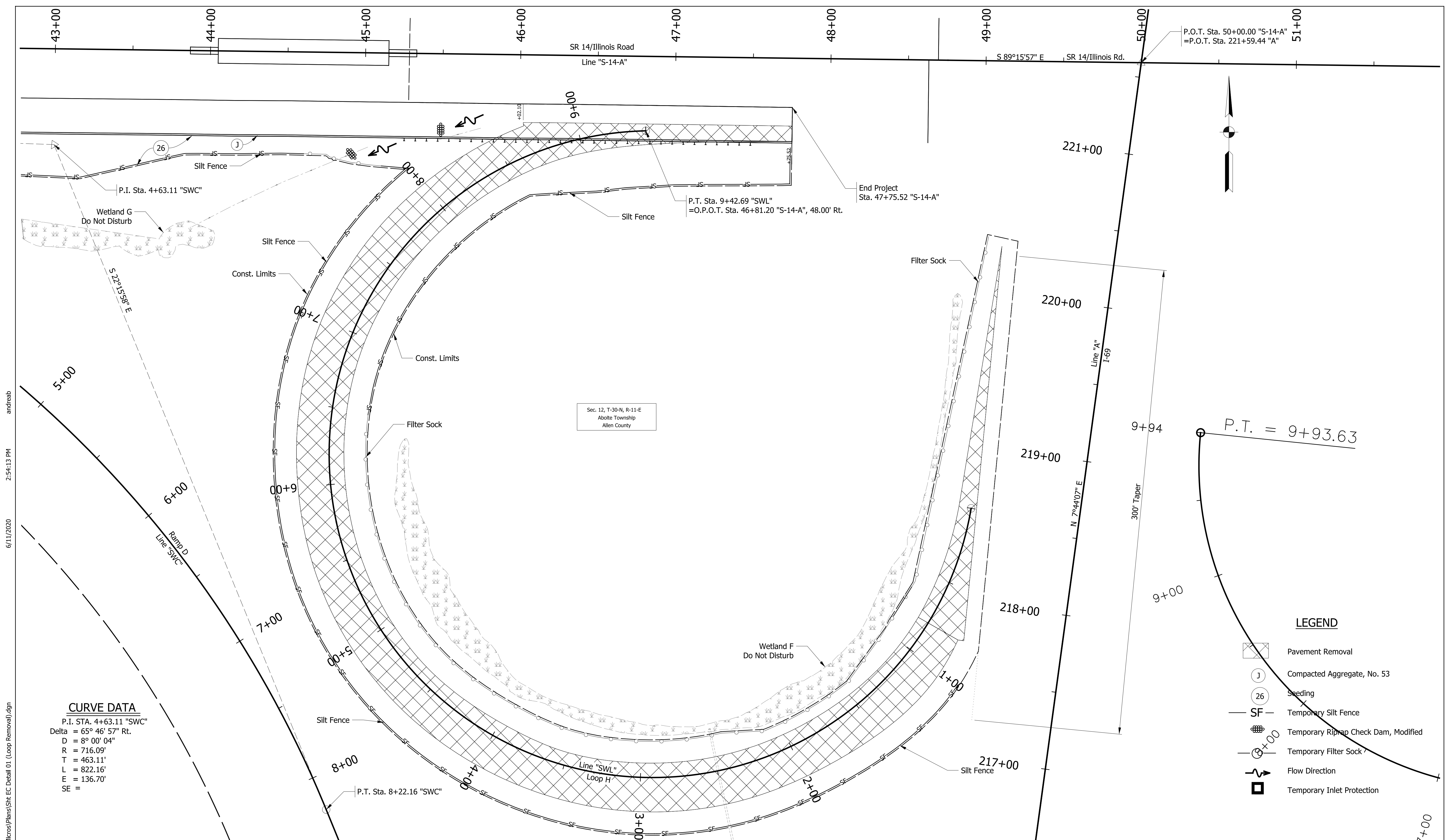
BILL OF MATERIALS  
MEDIAN BARRIER WALL

SIZE OR MK	NO. of BARS	LENGTH	WEIGHT
6701E	275	5'-5"	
6702E	275	6'-1"	
6703E	275	5'-0"	
#6E	45	39'-0"	
#6E	130	5'-5"	
#6E	275	5'-2"	
#6E	145	4'-5"	
TOTAL #6E			13,605#
#5E	80	39'-0"	
TOTAL #5E			6,378#
TOTAL EPOXY COATED STEEL			19,983#
MISCELLANEOUS			
Concrete Barrier, Modified Section			151 CYS
Structure Backfill, Type 2			116 CYS

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: BKS	DRAWN: MPF	
CHECKED: CMB	CHECKED: CMB	

INDIANA DEPARTMENT OF TRANSPORTATION	
BARRIER RAILING DETAILS	

HORIZONTAL SCALE	BRIDGE FILE NO.
1/8" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION NO.
	1401828
SURVEY BOOK NO.	SHEETS
	50 of 81
CONTRACT NO.	PROJECT NO.
R-38565	1401828



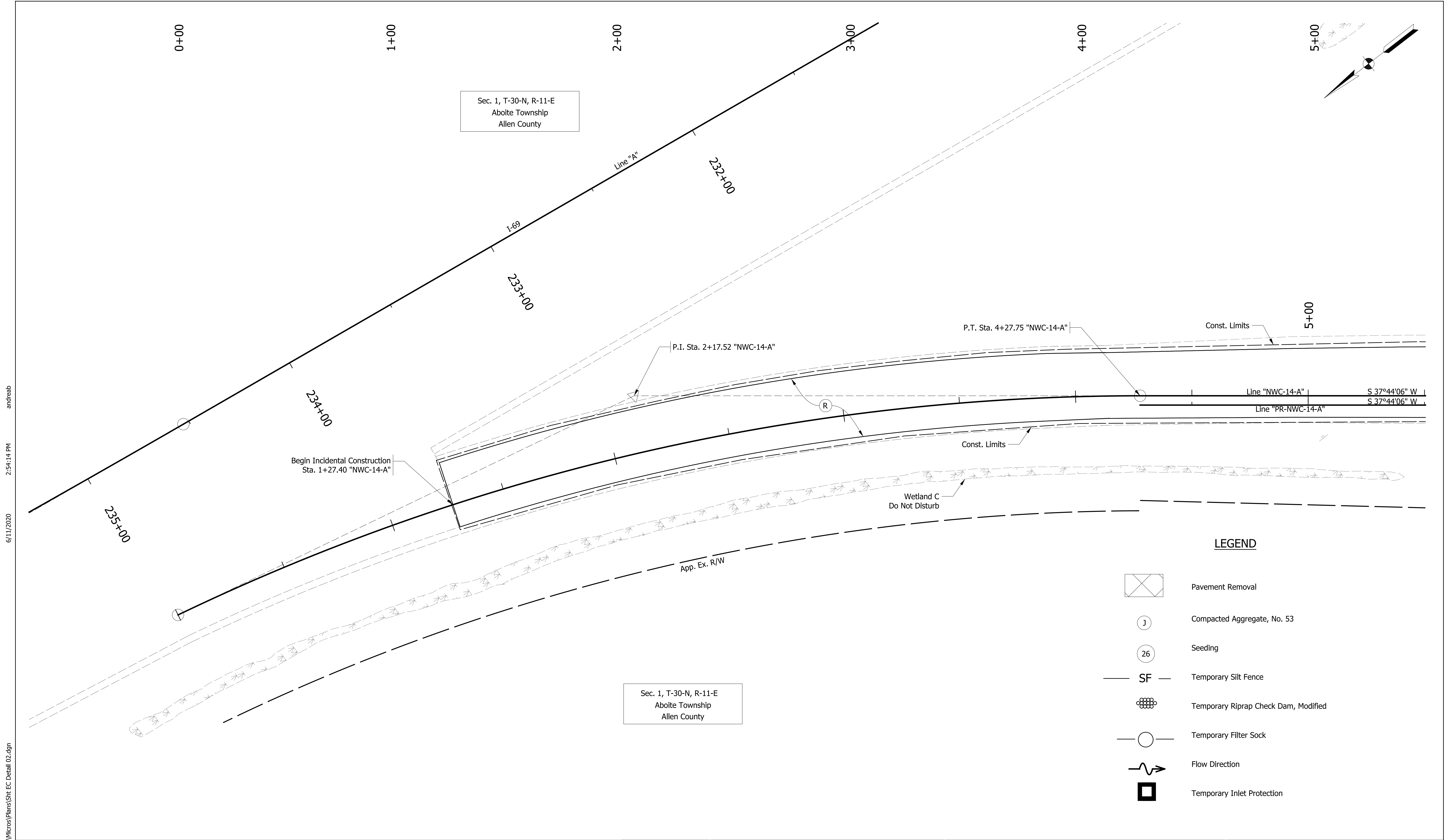
**CURVE DATA**  
 P.I. STA. 4+63.11 "SWC"  
 Delta =  $65^{\circ} 46' 57''$  Rt.  
 D =  $8^{\circ} 00' 04''$   
 R = 716.09'  
 T = 463.11'  
 L = 822.16'  
 E = 136.70'  
 SE = "

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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

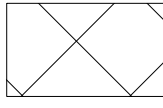


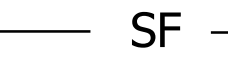

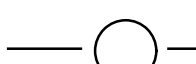


**INDIANA DEPARTMENT OF TRANSPORTATION**  
**EROSION CONTROL DETAILS**  
**LOOP H REMOVAL**

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION NO.
NA	1401828
SURVEY BOOK NO.	SHEETS
	51 of 81
CONTRACT NO.	PROJECT NO.
R-38565	1401828



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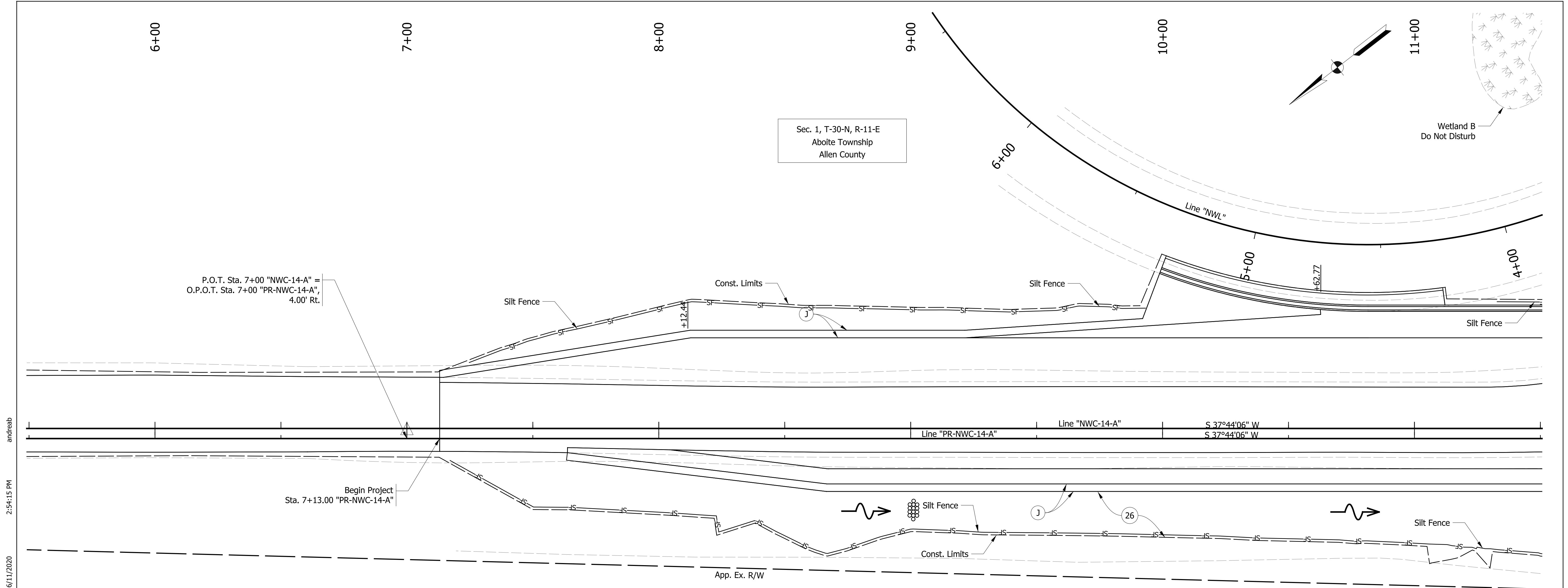
**LEGEND**

-  Pavement Removal
-  Compacted Aggregate, No. 53
-  Seeding
-  Temporary Silt Fence
-  Temporary Riprap Check Dam, Modified
-  Temporary Filter Sock
-  Flow Direction
-  Temporary Inlet Protection

RECOMMENDED FOR APPROVAL	
DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB
CHECKED: MAR	CHECKED: MAR

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**EROSION CONTROL DETAILS**  
**LINE "NWC-14-A"**

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION NO.
NA	1401828
SURVEY BOOK NO.	SHEETS
	52 of 81
CONTRACT NO.	PROJECT NO.
R-38565	1401828



Sec. 1, T-30-N, R-11-E  
Aboite Township  
Allen County

Wetland B  
Do Not Disturb

P.O.T. Sta. 7+00 "NWC-14-A" =  
O.P.O.T. Sta. 7+00 "PR-NWC-14-A",  
4.00' Rt.

Begin Project  
Sta. 7+13.00 "PR-NWC-14-A"

Sec. 1, T-30-N, R-11-E  
Aboite Township  
Allen County

**LEGEND**

- Pavement Removal
- Compacted Aggregate, No. 53
- Seeding
- Temporary Silt Fence
- Temporary Riprap Check Dam, Modified
- Temporary Filter Sock
- Flow Direction
- Temporary Inlet Protection

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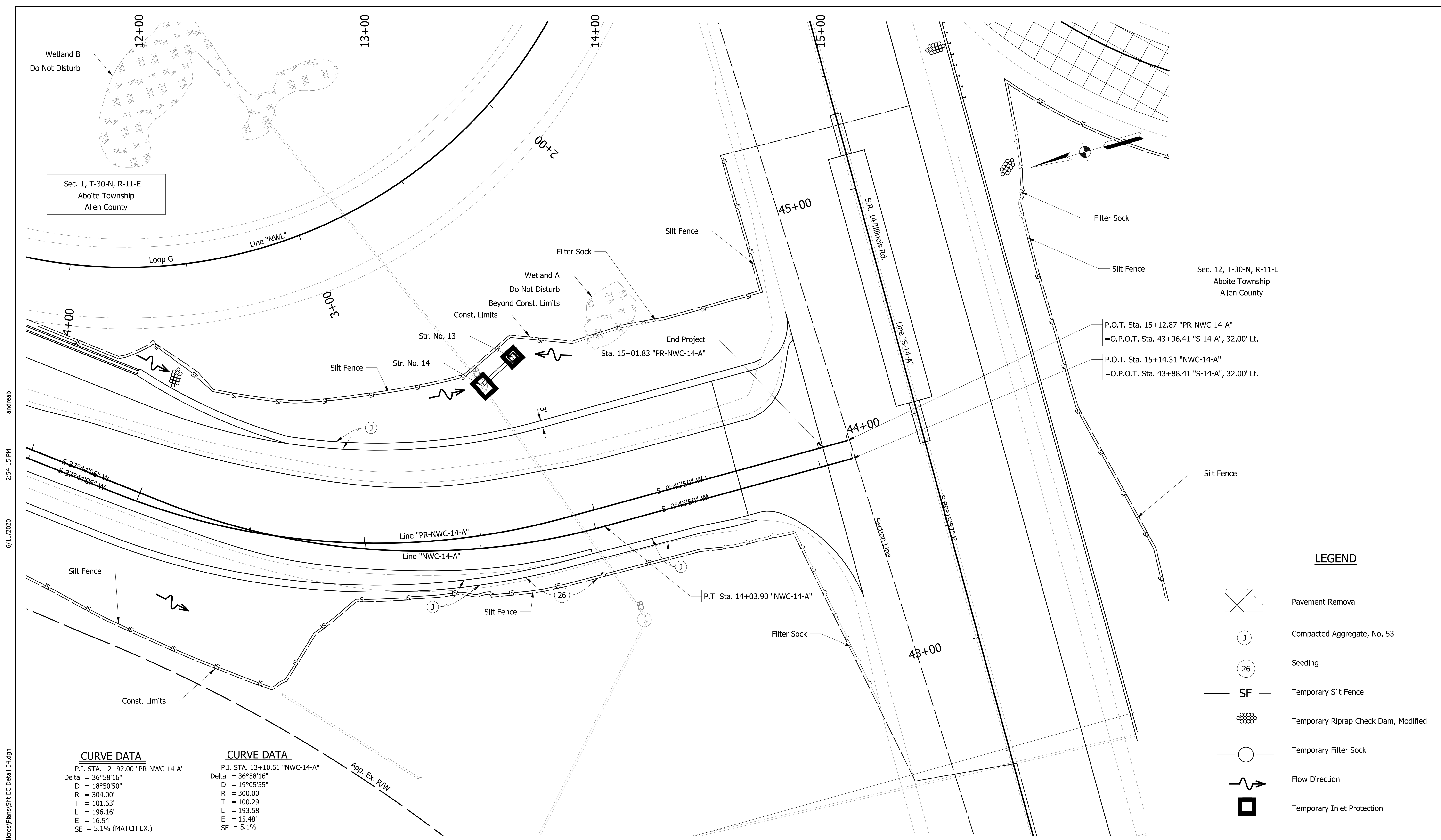
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL DETAILS  
LINE "NWC-14-A"**

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE NO. N/A
VERTICAL SCALE NA	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 53 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828



Sec. 1, T-30-N, R-11-E  
Aboite Township  
Allen County

Sec. 12, T-30-N, R-11-E  
Aboite Township  
Allen County

**LEGEND**

- Pavement Removal
- Compacted Aggregate, No. 53
- Seeding
- Temporary Silt Fence
- Temporary Riprap Check Dam, Modified
- Temporary Filter Sock
- Flow Direction
- Temporary Inlet Protection

**CURVE DATA**

P.I. STA. 12+92.00 "PR-NWC-14-A"  
Delta = 36°58'16"  
D = 18°50'50"  
R = 304.00'  
T = 101.63'  
L = 196.16'  
E = 16.54'  
SE = 5.1% (MATCH EX.)

**CURVE DATA**

P.I. STA. 13+10.61 "NWC-14-A"  
Delta = 36°58'16"  
D = 19°05'55"  
R = 300.00'  
T = 100.29'  
L = 193.58'  
E = 15.48'  
SE = 5.1%

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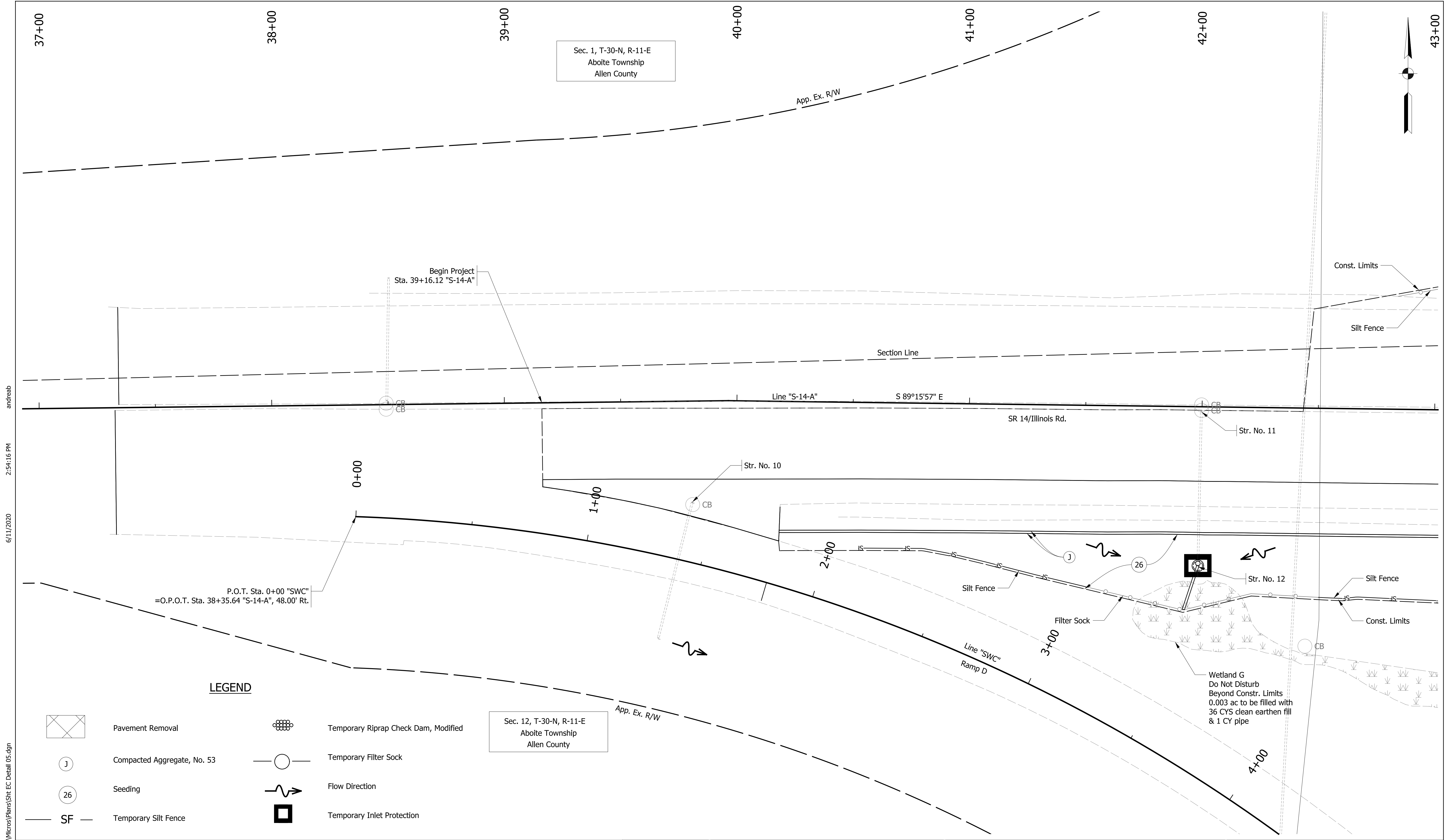
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

**INDIANA DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL DETAILS**  
**LINE "NWC-14-A"**

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION NO.
NA	1401828
SURVEY BOOK NO.	SHEETS
	54 of 81
CONTRACT NO.	PROJECT NO.
R-38565	1401828





Sec. 1, T-30-N, R-11-E  
Aboite Township  
Allen County

Sec. 12, T-30-N, R-11-E  
Aboite Township  
Allen County

P.O.T. Sta. 0+00 "SWC"  
=O.P.O.T. Sta. 38+35.64 "S-14-A", 48.00' Rt.

Begin Project  
Sta. 39+16.12 "S-14-A"

**LEGEND**

- |  |                             |  |                                      |
|--|-----------------------------|--|--------------------------------------|
|  | Pavement Removal            |  | Temporary Riprap Check Dam, Modified |
|  | Compacted Aggregate, No. 53 |  | Temporary Filter Sock                |
|  | Seeding                     |  | Flow Direction                       |
|  | Temporary Silt Fence        |  | Temporary Inlet Protection           |

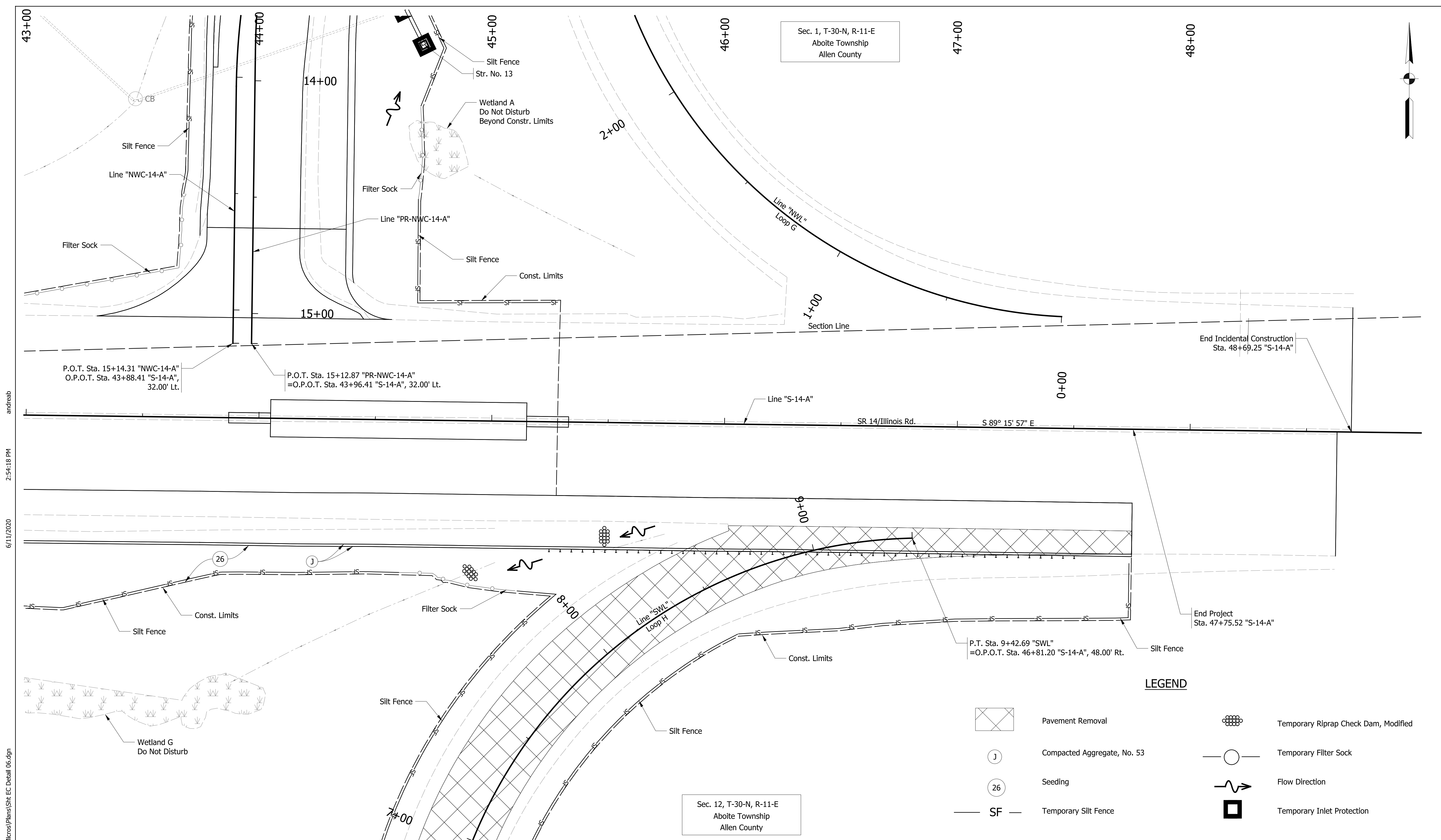
RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB		
CHECKED: MAR	CHECKED: MAR		

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

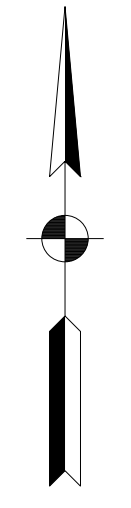
**EROSION CONTROL DETAILS  
LINE "S-14-A"**

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE NO. N/A
VERTICAL SCALE N/A	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 55 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828

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**LEGEND**

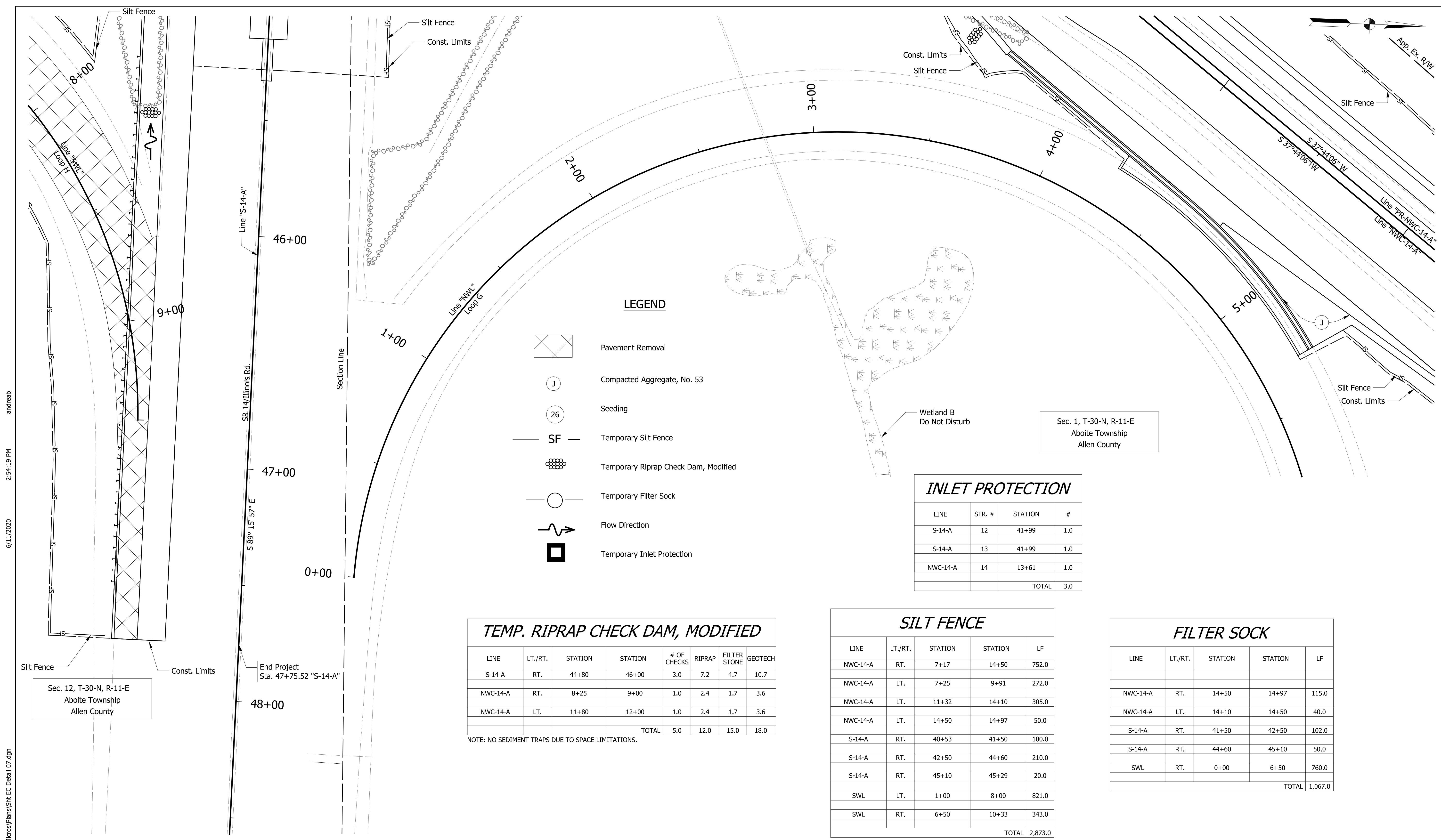
- Pavement Removal
- Compacted Aggregate, No. 53
- Seeding
- Temporary Silt Fence
- Temporary Riprap Check Dam, Modified
- Temporary Filter Sock
- Flow Direction
- Temporary Inlet Protection

Sec. 12, T-30-N, R-11-E  
 Aboite Township  
 Allen County

RECOMMENDED FOR APPROVAL	
DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB
CHECKED: MAR	CHECKED: MAR

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**EROSION CONTROL DETAILS**  
**LINE "S-14-A"**

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION NO.
N/A	1401828
SURVEY BOOK NO.	SHEETS
	56 of 81
CONTRACT NO.	PROJECT NO.
R-38565	1401828



**LEGEND**

- Pavement Removal
- Compacted Aggregate, No. 53
- Seeding
- Temporary Silt Fence
- Temporary Riprap Check Dam, Modified
- Temporary Filter Sock
- Flow Direction
- Temporary Inlet Protection

Sec. 1, T-30-N, R-11-E  
Aboite Township  
Allen County

**INLET PROTECTION**

LINE	STR. #	STATION	#
S-14-A	12	41+99	1.0
S-14-A	13	41+99	1.0
NWC-14-A	14	13+61	1.0
TOTAL			3.0

**TEMP. RIPRAP CHECK DAM, MODIFIED**

LINE	LT./RT.	STATION	STATION	# OF CHECKS	RIPRAP	FILTER STONE	GEOTECH
S-14-A	RT.	44+80	46+00	3.0	7.2	4.7	10.7
NWC-14-A	RT.	8+25	9+00	1.0	2.4	1.7	3.6
NWC-14-A	LT.	11+80	12+00	1.0	2.4	1.7	3.6
TOTAL				5.0	12.0	15.0	18.0

NOTE: NO SEDIMENT TRAPS DUE TO SPACE LIMITATIONS.

**SILT FENCE**

LINE	LT./RT.	STATION	STATION	LF
NWC-14-A	RT.	7+17	14+50	752.0
NWC-14-A	LT.	7+25	9+91	272.0
NWC-14-A	LT.	11+32	14+10	305.0
NWC-14-A	LT.	14+50	14+97	50.0
S-14-A	RT.	40+53	41+50	100.0
S-14-A	RT.	42+50	44+60	210.0
S-14-A	RT.	45+10	45+29	20.0
SWL	LT.	1+00	8+00	821.0
SWL	RT.	6+50	10+33	343.0
TOTAL				2,873.0

**FILTER SOCK**

LINE	LT./RT.	STATION	STATION	LF
NWC-14-A	RT.	14+50	14+97	115.0
NWC-14-A	LT.	14+10	14+50	40.0
S-14-A	RT.	41+50	42+50	102.0
S-14-A	RT.	44+60	45+10	50.0
SWL	RT.	0+00	6+50	760.0
TOTAL				1,067.0

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RECOMMENDED FOR APPROVAL \_\_\_\_\_  
DESIGN ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

DESIGNED: ALB DRAWN: ACB  
CHECKED: MAR CHECKED: MAR

INDIANA  
DEPARTMENT OF TRANSPORTATION

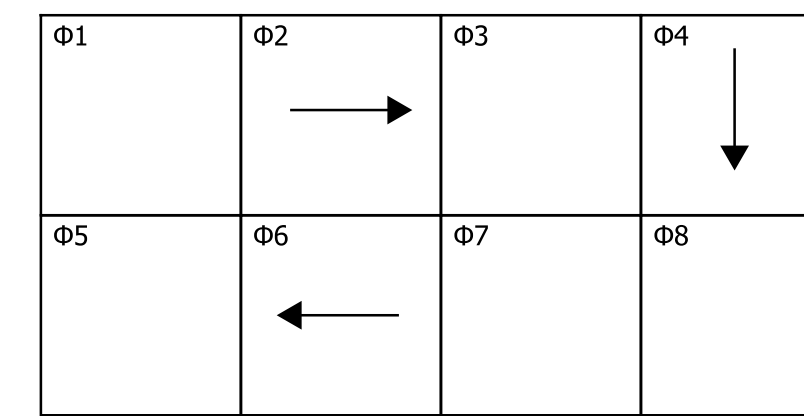
EROSION CONTROL DETAILS  
LINE "NWL"

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE NO. N/A
VERTICAL SCALE N/A	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 57 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828

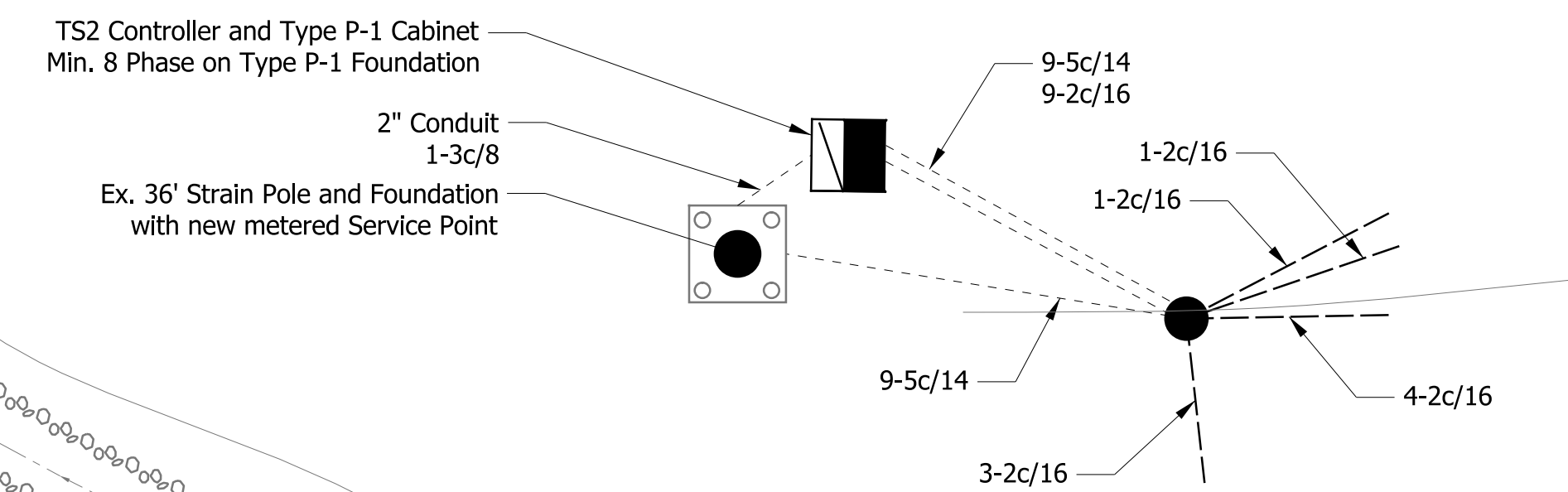
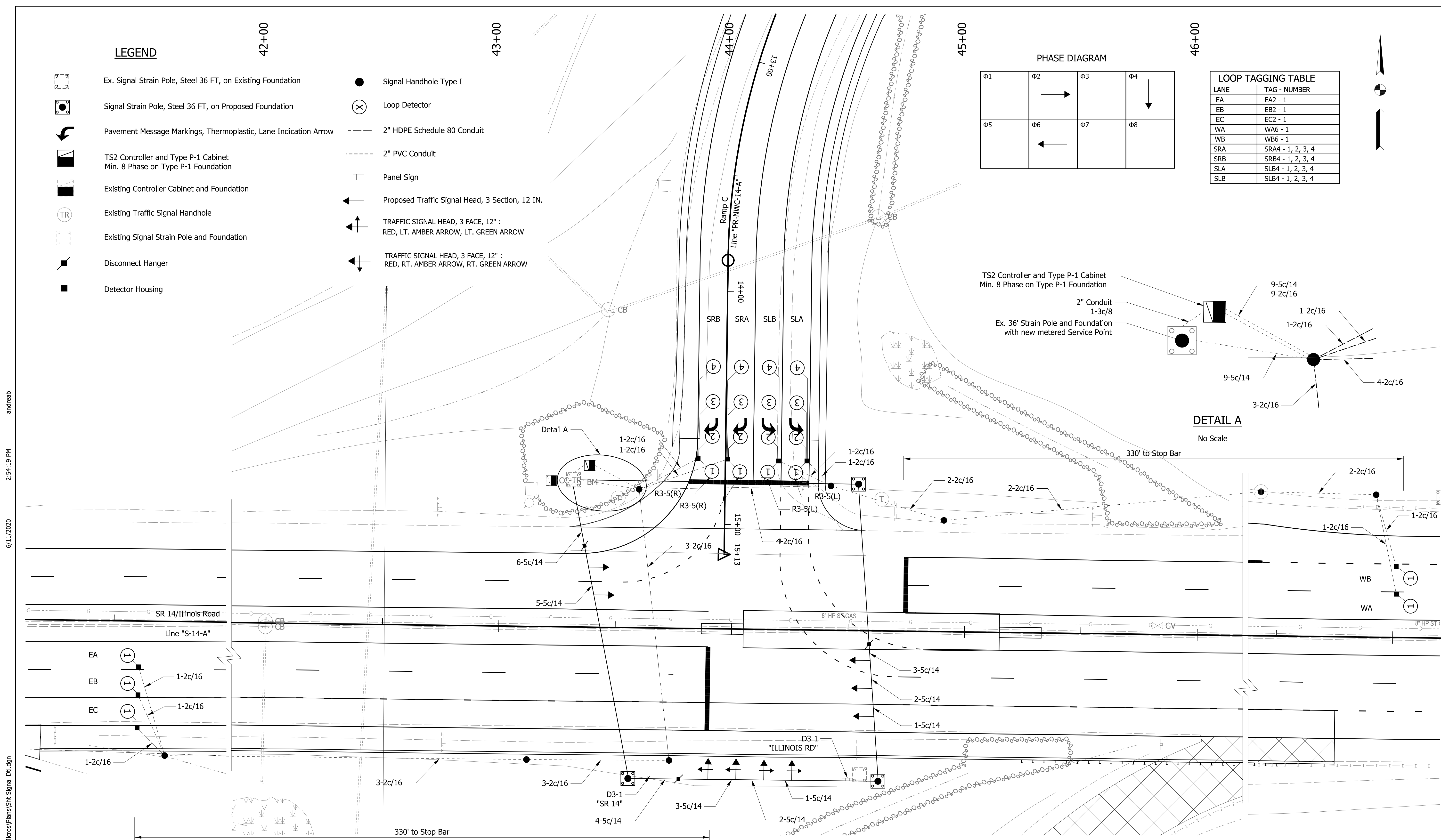
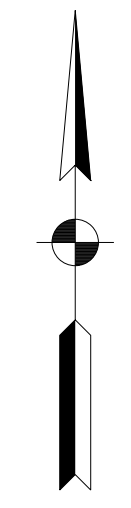
**LEGEND**

- Ex. Signal Strain Pole, Steel 36 FT, on Existing Foundation
- Signal Strain Pole, Steel 36 FT, on Proposed Foundation
- Pavement Message Markings, Thermoplastic, Lane Indication Arrow
- TS2 Controller and Type P-1 Cabinet  
Min. 8 Phase on Type P-1 Foundation
- Existing Controller Cabinet and Foundation
- Existing Traffic Signal Handhole
- Existing Signal Strain Pole and Foundation
- Disconnect Hanger
- Detector Housing
- Signal Handhole Type I
- Loop Detector
- 2" HDPE Schedule 80 Conduit
- 2" PVC Conduit
- Panel Sign
- Proposed Traffic Signal Head, 3 Section, 12 IN.
- TRAFFIC SIGNAL HEAD, 3 FACE, 12" :  
RED, LT. AMBER ARROW, LT. GREEN ARROW
- TRAFFIC SIGNAL HEAD, 3 FACE, 12" :  
RED, RT. AMBER ARROW, RT. GREEN ARROW

**PHASE DIAGRAM**



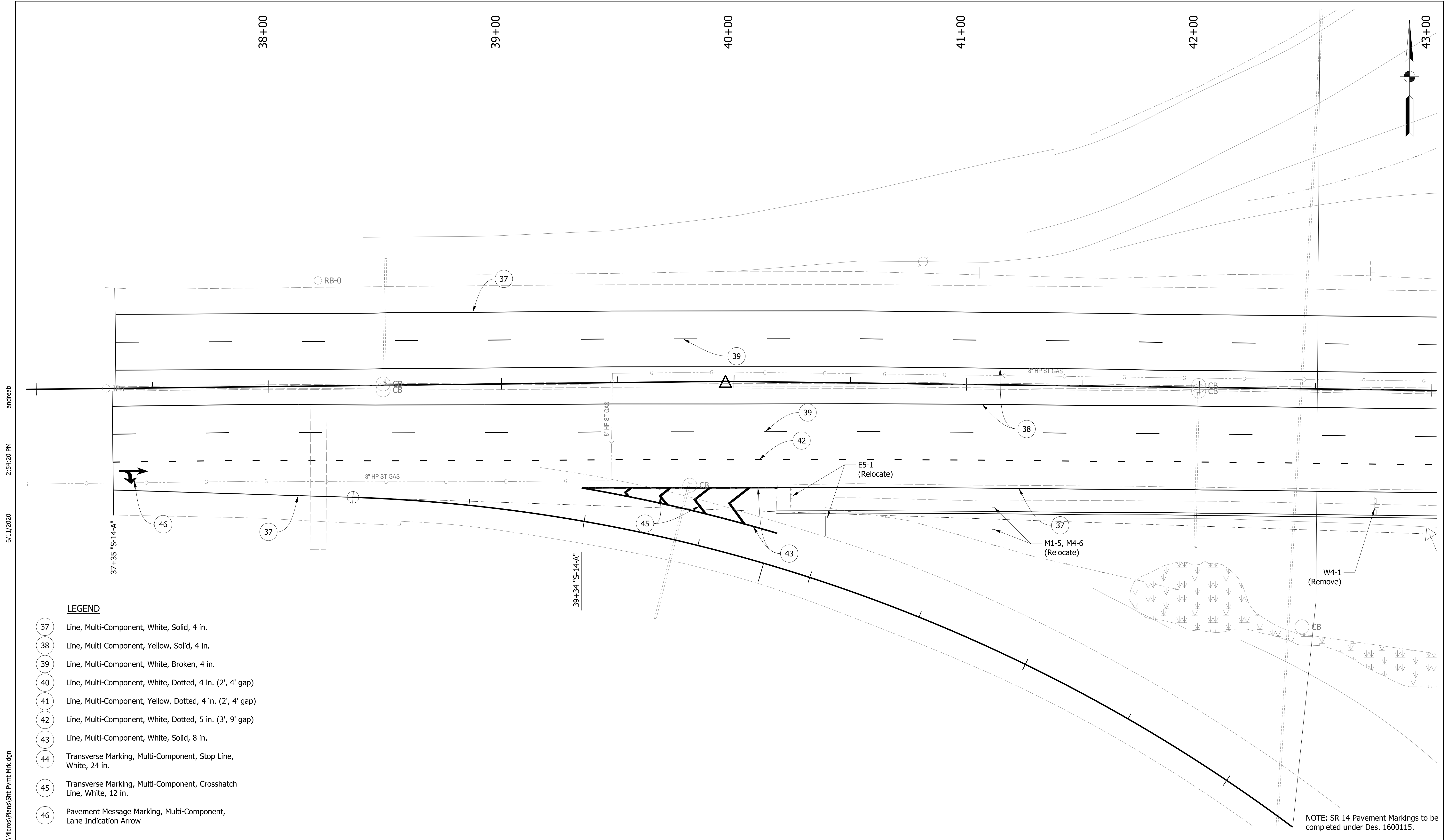
LOOP TAGGING TABLE	
LANE	TAG - NUMBER
EA	EA2 - 1
EB	EB2 - 1
EC	EC2 - 1
WA	WA6 - 1
WB	WB6 - 1
SRA	SRA4 - 1, 2, 3, 4
SRB	SRB4 - 1, 2, 3, 4
SLA	SLB4 - 1, 2, 3, 4
SLB	SLB4 - 1, 2, 3, 4



**DETAIL A**  
No Scale

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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE NO.
	DESIGNED: ALB	DRAWN: ACB		1" = 20'	N/A
CHECKED: MAR	CHECKED: MAR		TRAFFIC SIGNAL MODERNIZATION	VERTICAL SCALE	DESIGNATION NO.
			I-69 AT SR 14/ILLINOIS RD		1401828
				SURVEY BOOK NO.	SHEETS
				R-38565	58 of 81
				CONTRACT NO.	PROJECT NO.
					1401828



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**LEGEND**

- 37 Line, Multi-Component, White, Solid, 4 in.
- 38 Line, Multi-Component, Yellow, Solid, 4 in.
- 39 Line, Multi-Component, White, Broken, 4 in.
- 40 Line, Multi-Component, White, Dotted, 4 in. (2', 4' gap)
- 41 Line, Multi-Component, Yellow, Dotted, 4 in. (2', 4' gap)
- 42 Line, Multi-Component, White, Dotted, 5 in. (3', 9' gap)
- 43 Line, Multi-Component, White, Solid, 8 in.
- 44 Transverse Marking, Multi-Component, Stop Line, White, 24 in.
- 45 Transverse Marking, Multi-Component, Crosshatch Line, White, 12 in.
- 46 Pavement Message Marking, Multi-Component, Lane Indication Arrow

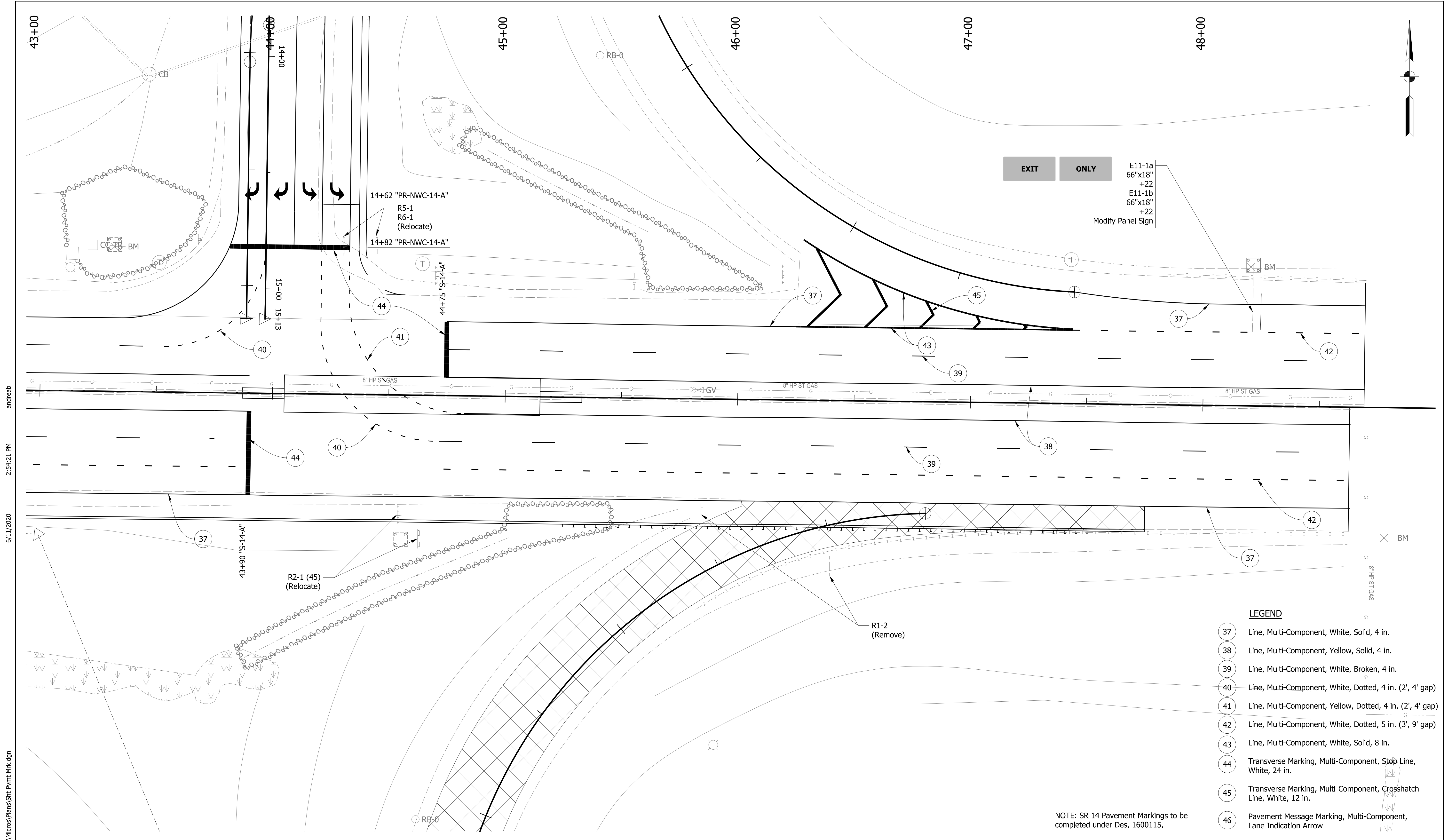
NOTE: SR 14 Pavement Markings to be completed under Des. 1600115.

RECOMMENDED FOR APPROVAL	
DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB
CHECKED: MAR	CHECKED: MAR

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**PAVEMENT MARKING & SIGNAGE PLANS**  
**LINE "S-14-A"**

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION NO.
NA	1401828
SURVEY BOOK NO.	SHEETS
	59 of 81
CONTRACT NO.	PROJECT NO.
R-38565	1401828





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NOTE: SR 14 Pavement Markings to be completed under Des. 1600115.

LEGEND	
37	Line, Multi-Component, White, Solid, 4 in.
38	Line, Multi-Component, Yellow, Solid, 4 in.
39	Line, Multi-Component, White, Broken, 4 in.
40	Line, Multi-Component, White, Dotted, 4 in. (2', 4' gap)
41	Line, Multi-Component, Yellow, Dotted, 4 in. (2', 4' gap)
42	Line, Multi-Component, White, Dotted, 5 in. (3', 9' gap)
43	Line, Multi-Component, White, Solid, 8 in.
44	Transverse Marking, Multi-Component, Stop Line, White, 24 in.
45	Transverse Marking, Multi-Component, Crosshatch Line, White, 12 in.
46	Pavement Message Marking, Multi-Component, Lane Indication Arrow

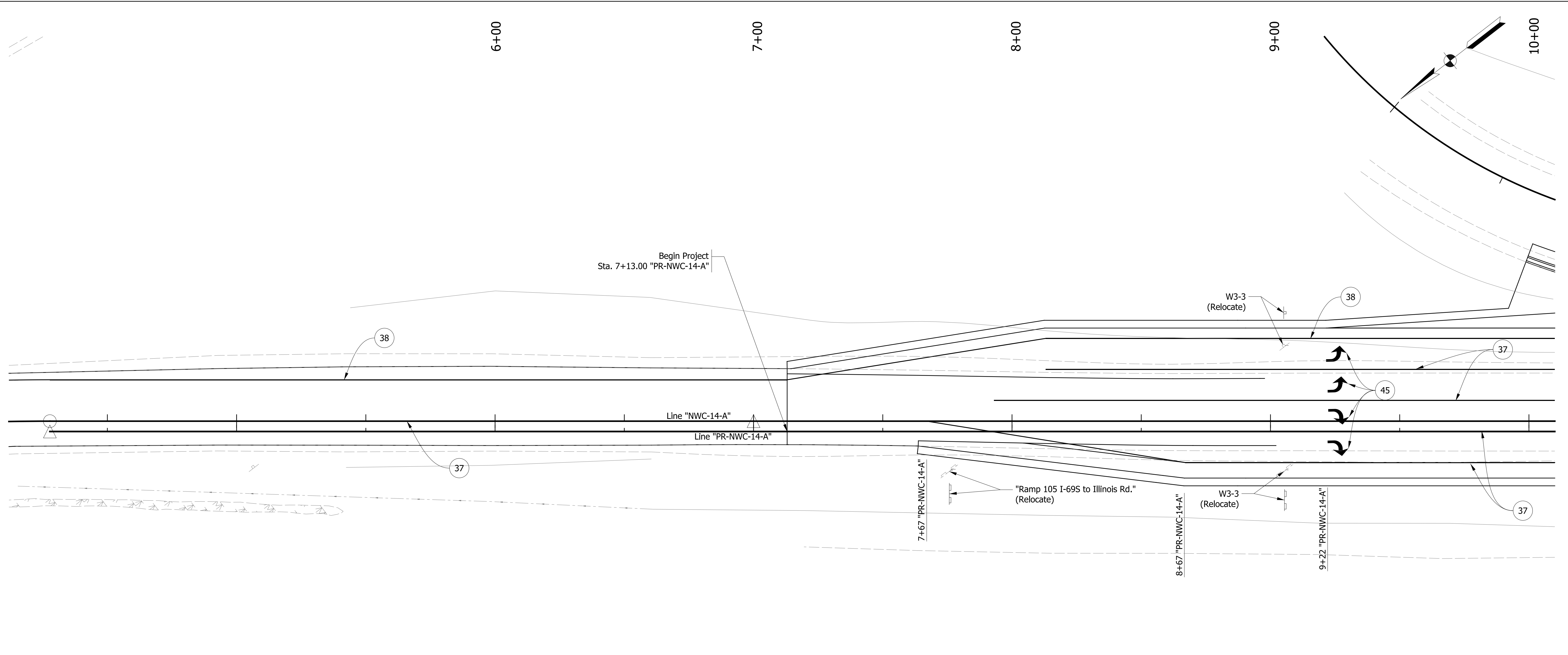
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**PAVEMENT MARKING & SIGNAGE PLANS**  
**LINE "S-14-A"**

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION NO.
NA	1401828
SURVEY BOOK NO.	SHEETS
	60 of 81
CONTRACT NO.	PROJECT NO.
R-38565	1401828

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**LEGEND**

- 37 Line, Multi-Component, White, Solid, 4 in.
- 38 Line, Multi-Component, Yellow, Solid, 4 in.
- 39 Line, Multi-Component, White, Broken, 4 in.
- 40 Line, Multi-Component, White, Dotted, 4 in. (2', 4' gap)
- 41 Line, Multi-Component, Yellow, Dotted, 4 in. (2', 4' gap)
- 42 Line, Multi-Component, White, Dotted, 5 in. (3', 9' gap)
- 43 Line, Multi-Component, White, Solid, 8 in.
- 44 Transverse Marking, Multi-Component, Stop Line, White, 24 in.
- 45 Transverse Marking, Multi-Component, Crosshatch Line, White, 12 in.
- 46 Pavement Message Marking, Multi-Component, Lane Indication Arrow

RECOMMENDED FOR APPROVAL	
DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB
CHECKED: MAR	CHECKED: MAR

**INDIANA DEPARTMENT OF TRANSPORTATION**

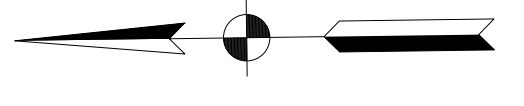
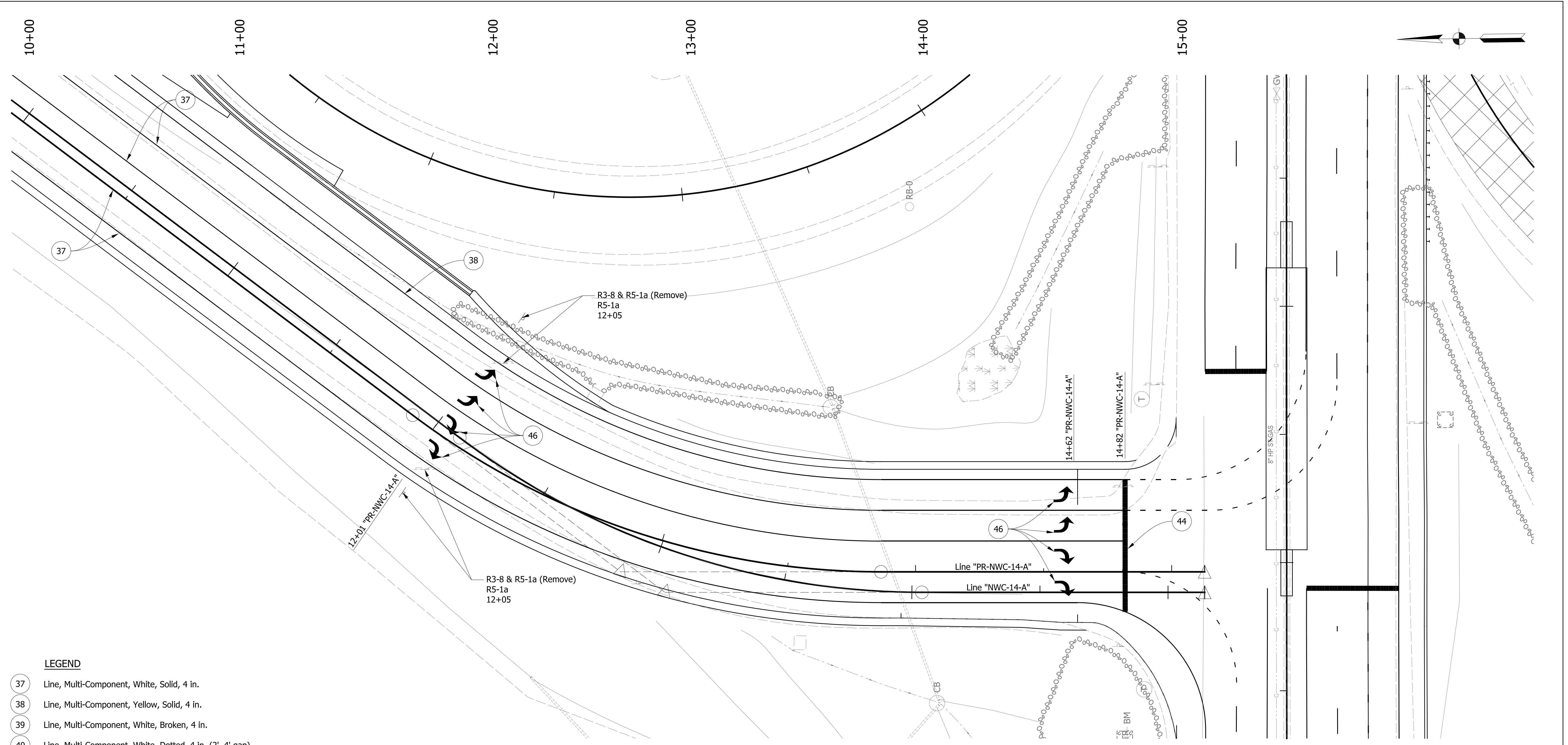
**PAVEMENT MARKING & SIGNAGE PLANS**

**LINE "PR-NWC-14-A"**

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION NO.
NA	1401828
SURVEY BOOK NO.	SHEETS
	61 of 81
CONTRACT NO.	PROJECT NO.
R-38565	1401828

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- LEGEND**
- 37 Line, Multi-Component, White, Solid, 4 in.
  - 38 Line, Multi-Component, Yellow, Solid, 4 in.
  - 39 Line, Multi-Component, White, Broken, 4 in.
  - 40 Line, Multi-Component, White, Dotted, 4 in. (2', 4' gap)
  - 41 Line, Multi-Component, Yellow, Dotted, 4 in. (2', 4' gap)
  - 42 Line, Multi-Component, White, Dotted, 5 in. (3', 9' gap)
  - 43 Line, Multi-Component, White, Solid, 8 in.
  - 44 Transverse Marking, Multi-Component, Stop Line, White, 24 in.
  - 45 Transverse Marking, Multi-Component, Crosshatch Line, White, 12 in.
  - 46 Pavement Message Marking, Multi-Component, Lane Indication Arrow

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB		
CHECKED: MAR	CHECKED: MAR		

**INDIANA DEPARTMENT OF TRANSPORTATION**

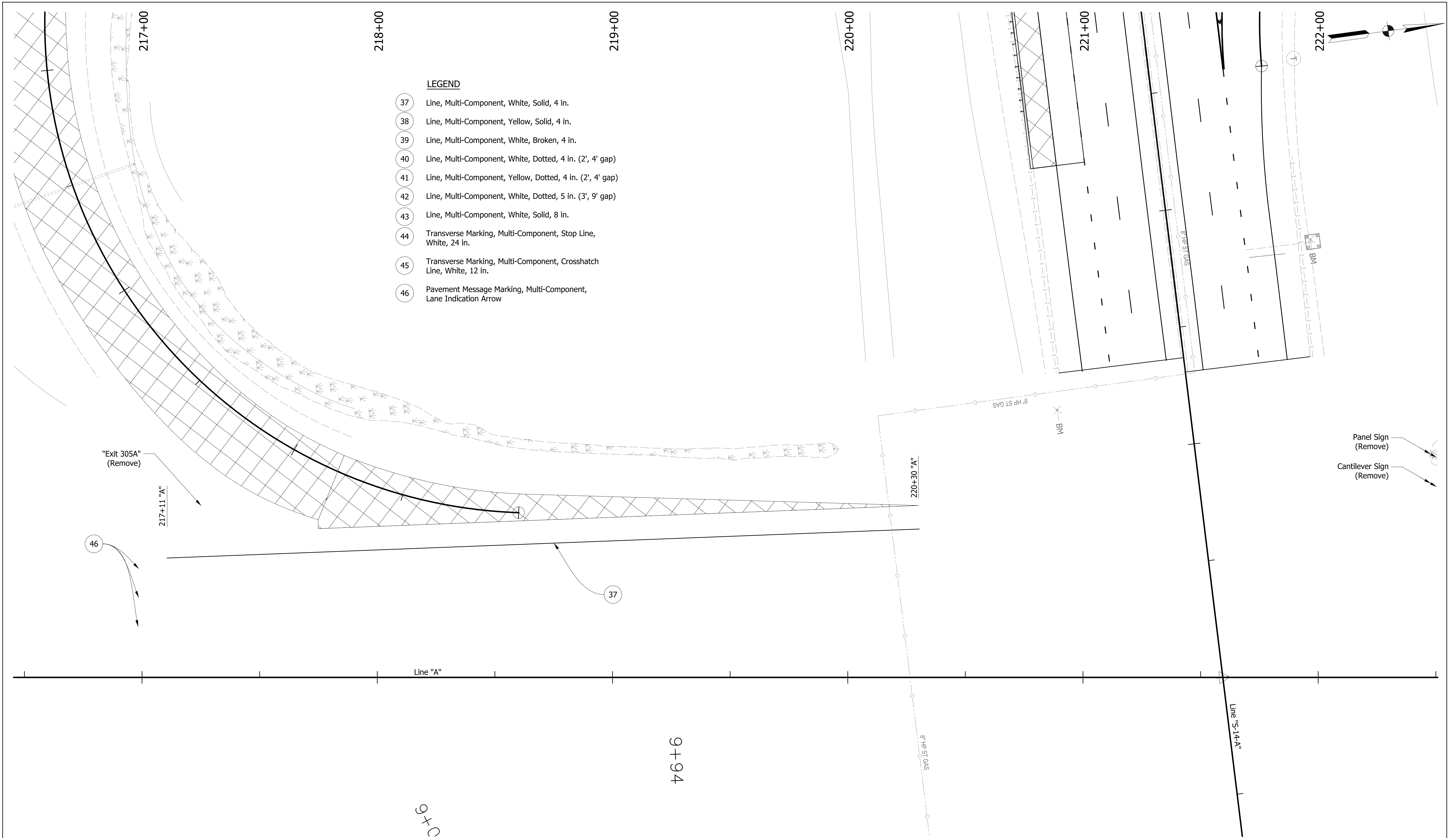
**PAVEMENT MARKING & SIGNAGE PLANS**

**LINE "PR-NWC-14-A"**

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION NO.
NA	1401828
SURVEY BOOK NO.	SHEETS
	62 of 81
CONTRACT NO.	PROJECT NO.
R-38565	1401828

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- LEGEND**
- 37 Line, Multi-Component, White, Solid, 4 in.
  - 38 Line, Multi-Component, Yellow, Solid, 4 in.
  - 39 Line, Multi-Component, White, Broken, 4 in.
  - 40 Line, Multi-Component, White, Dotted, 4 in. (2', 4' gap)
  - 41 Line, Multi-Component, Yellow, Dotted, 4 in. (2', 4' gap)
  - 42 Line, Multi-Component, White, Dotted, 5 in. (3', 9' gap)
  - 43 Line, Multi-Component, White, Solid, 8 in.
  - 44 Transverse Marking, Multi-Component, Stop Line, White, 24 in.
  - 45 Transverse Marking, Multi-Component, Crosshatch Line, White, 12 in.
  - 46 Pavement Message Marking, Multi-Component, Lane Indication Arrow

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

**INDIANA DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNAGE PLANS**

**LINE "A"**

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION NO.
N/A	1401828
SURVEY BOOK NO.	SHEETS
	63 of 81
CONTRACT NO.	PROJECT NO.
R-38565	1401828

**PAVEMENT QUANTITIES AND APPROACH TABLE**

LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADI	EXCAVATION		HMA FOR APPROACHES, TYPE C		HMA MATERIALS					QC/QA-HMA MATERIALS					MILLING, ASPHALT, 1 1/2 IN.	MILLING, ASPHALT, 4 IN.	MILLING, APPROACH	ASPHALT FOR TACK COAT	COMPACTED AGGREGATE FOR BASE NO. 53	SUBGRADE TREATMENT	COMPACTED AGGREGATE, NO. 53	LIQUID ASPHALT SEALANT	JOINT ADHESIVE, SURFACE	JOINT ADHESIVE, INTERMEDIATE	REMARKS			
									SURFACE 9.5 mm	INTERMD. 19.0 mm	BASE 25.0 mm	BASE 25.0 mm	PATCHING, INTERMEDIATE	SURFACE 9.5 mm	INTERMD. 19.0 mm	BASE 25.0 mm	INTERMD. OG, 19.0 mm	SURFACE 9.5 mm												INTERMD. 19.0 mm	BASE 25.0 mm	BASE 25.0 mm
									TYPE, C					3, 70	3, 70	3, 64	4, 76	4, 76												4, 76	4, 64	4, 64
									LBS. PER SYD.					LBS. PER SYD.																LBS. PER SYD.		
CUT	FILL	165	1290	165	275	550	550	440	165	275	550	300	165	275	495	495																
FT	FT	FT			CYS	CYS	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON			
MAINLINE																																
Line "S-14-A"					740.7	528.7									185.0	304.0	507.2	507.2														
Line "NWC-14-A"					298.9	2785.6							95.0	570.0	334.0	685.0	374.0															
APPROACHES							47.0	27.0																								
Line "NWL"									9.4	15.6	31.2	31.2																				
PAY TOTAL					2274.8	47.0	27.0	9.4	15.7	31.3	31.3	95.0	570.0	334.0	685.0	374.0	185.0	304.0	507.2	507.2	4326.0	625.0	250.0	3.7	285.0	7209.0	793.0	5532.0	5532.0	6904.0		

**PAVED SIDE DITCH, RIPRAP DITCH, AND SODDING SUMMARY TABLE**

LOCATION		LEFT	MEDIAN	RIGHT	ACTUAL LENGTH	PAVED SIDE DITCH					RIPRAP DITCH			SODDING					NURSERY SODDING FOR LAWNS										
FROM STATION	TO STATION					LFT	EACH	EACH	TOTAL EQUIVALENT PAY LENGTHS					REVTMENT RIPRAP	UNIFORM RIPRAP	GEOTEXTILES	FOR PAVED SIDE DITCHES	FOR DITCHES		FOR MEDIAN	FOR SHOULDER BREAK	SODDING AT BRIDGE CONE	TOTAL SODDING						
									LFT	LFT	LFT	LFT	LFT											TONS	TONS	SYS	SYS	SYS	SYS
40+75 "S-14-A"	41+40 "S-14-A"			X	66							55	95																
44+80 "S-14-A"	45+35 "S-14-A"			X	56							47	81																
8+25 "PR-NWC-14-A"	9+00 "PR-NWC-14-A"			X	75																								
9+00 "PR-NWC-14-A"	12+50 "PR-NWC-14-A"			X	350																								
11+80 "PR-NWC-14-A"	12+80 "PR-NWC-14-A"	X			100							83	144																
TOTALS												185	320.7																

**GUARDRAIL SUMMARY TABLE**

LOCATION		LEFT	RIGHT	GUARDRAIL, MGS 6 FT 3 IN SPACING	GUARDRAIL, REMOVE	GUARDRAIL END TREATMENT, OS	GUARDRAIL MGS HEIGHT TRANSITION	GUARDRAIL, END TREATMENT, REMOVE					
FROM STATION	TO STATION								LFT	LFT	EACH	EACH	EACH
Line "S-14-A"													
45+24	45+74		X			1							
45+74	47+18		X	143.75									
45+83	46+24		X					1					
46+24	47+56		X		129								
47+18	47+56		X				1						
TOTAL				143.75	129	1	1	1					

**RAMP PATCHING TABLE**

RAMP "C" - LINE "NWC-14-A"							
FROM STATION	TO STATION	LEFT	RIGHT	LENGTH	WIDTH	AREA	DESCRIPTION
				LFT	LFT	SYS	
8+61.0	9+45.0	X	X	84.0	29.0	271.0	FULL LANE
9+84.0	11+34.0		X	143.75	6.0	99.0	LONGITUDINAL JOINT BETWEEN TRAVEL LANE AND SHOULDER
7+84.5			X	6.0	29.0	19.0	FULL LANE
10+27.0			X	6.0	29.0	19.0	TRANSVERSE JOINT
11+90.0			X	6.0	29.0	19.0	TRANSVERSE JOINT
TOTAL							

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE	BRIDGE FILE NO.	
			Full Size 1 = 1	N/A	
DESIGNED: ALB DRAWN: ACB CHECKED: MAR	DRAWN: ACB CHECKED: MAR	SUMMARY TABLES		VERTICAL SCALE	DESIGNATION NO.
					1401828
			SURVEY BOOK NO.	SHEETS	
				64 of 81	
			CONTRACT NO.	PROJECT NO.	
			R-38565	1401828	



**STRUCTURE DATA**

STRUCTURE NUMBER	LOCATION				SIZE PIPE TYPE	DESCRIPTION MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE AND TYPE	LENGTH LFT	VIDEO INSPECTION LENGTH LFT	SKEW	FLOW LINE			SERVICE LIFE YRS	SITE DESIGNATION	PH	BACKFILL METHOD	STRUCTURE BACKFILL CYS	TYPE	FLOWABLE BACKFILL CYS	TYPE	GEOTEXTILES SYS	REVTMENT RIPRAP TON	SCOUR PROTECTION				CONCRETE, CLASS A, FOR STR.	VIDEO INSPECTION LFT	PIPE END SECTION EA.	CONNECT TO STR.	REMARKS		
	STATION	LEFT	RIGHT	CROSS						OFFSET FT	COVER LFT	UP STREAM ELEV.											DOWN STREAM ELEV.	SUMP DEPTH IN.	GEOTEXTILE SYS.	RIPRAP TYPE						RIPRAP TONS	CONCRETE, CLASS A, FOR STR. CYS
10	39+80.47	"S-14-A"		X		12										1													REMOVE TOP 2' OF EX. STRUCTURE. PLUG PIPE & FILL W/ FLOWABLE FILL				
11	41+99.69	"S-14-A"		X		12																							EX. STRUCTURE				
12	41+99.04	"S-14-A"		X		12	2	MANHOLE C-4	20.0		1.5	813.91	813.83	75	NA	7	1									1	11						
13	13+83.00	"PR-NWC-14-A"	X			18	2	INLET E-7	17.0		3.0	810.66	810.50	75	NA	7	1										14						
14	13+61.75	"PR-NWC-14-A"	X			18		MANHOLE TYPE C W/ CATCH BASIN CASTING				809.75	808.50																3' OF MANHOLE, RECONSTRUCT. INCLUDE NEW TYPE 4 CASTING				

**PIPE SUMMARY TABLE**

INT. DES.	CONC.	PLASTIC PIPE	CLAY	CORR. ALUM. PIPE / P-ARCH	CORR. ALUM. PIPE / P-ARCH	SPRAL RIB STEEL PIPE	STRUCTURAL PLATE PIPE / PIPE-ARCH	PIPE SUMMARY TABLE		
								12	13	
								STRUCTURE NUMBER	12	13
								PIPE TYPE / SHAPE (CIR or DEF)	CIR	CIR
								SMOOTH PIPE SIZE	12	18
								CORRUGATED PIPE SIZE	12	18
								SEMI-SMOOTH PIPE SIZE	12	18
								CLASS	II	II
								D <sub>0.01</sub> RATING	1000	1000
								NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)	X	X
								CORRUGATED PE PIPE, TYPE S (S)*		X
								PROFILE WALL (RIBBED) PE PIPE (S)*		X
								PROFILE WALL (CLOSED) PE PIPE (S)*		X
								SMOOTH WALL PE PIPE (S)* / MAXIMUM DR		DR = 26
								CORRUGATED PP PIPE (S)		X
								PROFILE WALL PVC PIPE (S)		X
								SMOOTH WALL PVC PIPE (S)*		X
								VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)	X	X
								FULLY BIT. PAVED & LINED (S)		CORR. PROFILE THICKNESS
								ZINC COATED (C)		2 2/3" x 1/2"
								ZINC COATED W/ BPI (C)		0.109
								ALUM. COATED TYPE 2 (C)		
								POLYMER PRECOATED GALVANIZED (C)		
								POLYMER PRECOATED GALVANIZED CORRUGATED STEEL PIPE TYPE 1A (S)		
								CORRUGATED ALUM. ALLOY (C)		
								CORRUGATED ALUM. ALLOY W/ BPI (C)		
								ZINC COATED (SS)		
								ZINC COATED W/ BPI (SS)		
								ALUM. COATED TYPE 2 (SS)		
								POLYMER PRECOATED GALVANIZED (SS)		
								STR. PLATE ALUMINUM ALLOY (C)		
								STR. PLATE ALUMINUM ALLOY W/ CFP (C)		
								STR. PLATE STEEL (C)		
								STR. PLATE STEEL W/ CFP (C)		

**MONUMENT TABLE**

STATION	TYPE A EACH	TYPE B EACH	TYPE C EACH	TYPE D EACH	REMARKS
185+32.81				1	PC
198+45.40			1		PI
210+65.40				1	PT
234+52.70				1	PC
253+93.88			1		PI
272+43.98				1	PT
LINE "PR-NWC-14-A"					
04+27.75		1			POB
11+90.37		1			PC
12+92.00			1		PI
13+86.53		1			PT
15+12.87		1			POE
LINE "NWC-14-A"					
00+00.00		1			PC
02+17.52			1		PI
04+27.75		1			PT
12+10.32		1			PC
13+10.61			1		PI
14+03.90		1			PT
15+14.31		1			POE
LINE "S-14-A"					
39+96.33				1	POB
54+28.67				1	PI
74+59.00		1			POE
TOTAL	0	10	5	6	

**RAISED PAVEMENT MARKINGS**

STATION	STATION	DIRECTION	OFFSET FT	SPACING FT	# MARKINGS	ONE-WAY/ TWO-WAY	COLOR	TOTAL
								EACH
LINE "NWC"/"PR-NWC-14-A"								
1+27	4+67	SB	VARIES	40	1	TWO-WAY	YELLOW/RED	10
4+67	14+63	SB	VARIES	40	1	TWO-WAY	WHITE/RED	26
7+92	14+63	SB	8	40	1	TWO-WAY	WHITE/RED	18
8+13	14+63	SB	20	40	1	TWO-WAY	WHITE/RED	17
TOTAL								71

RECOMMENDED FOR APPROVAL \_\_\_\_\_ DESIGN ENGINEER DATE \_\_\_\_\_

DESIGNED: ALB DRAWN: ACB

CHECKED: MAR CHECKED: MAR

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY TABLES**

HORIZONTAL SCALE Full Size 1 = 1	BRIDGE FILE NO. N/A
VERTICAL SCALE	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 65 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828

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PAVEMENT MARKINGS SUMMARY OF QUANTITIES											
LOCATION		LINE MULTI-COMPONENT						TRANSVERSE MARKINGS MULTI-COMPONENT		PAVEMENT MESSAGE MULTI-COMPONENT LANE INDICATION ARROW	EACH
		SOLID WHITE 4 in	SOLID YELLOW 4 in	DOTTED (2', 4' GAP) WHITE 4 in	DOTTED (2', 4' GAP) YELLOW 4 in	DOTTED (3', 9' GAP) WHITE 5 in	BROKEN WHITE 4 in	SOLID WHITE 8 in	SOLID WHITE 12 in		
BEGIN STATION	END STATION	ft	ft	ft	ft	ft	ft	ft	ft	ft	EACH
1+27 PR-NWC-14-A	14+81 PR-NWC-14-A		1,354								
1+27 PR-NWC-14-A	14+62 PR-NWC-14-A	1,335									
7+93 PR-NWC-14-A	14+82 PR-NWC-14-A	689									
8+13 PR-NWC-14-A	14+82 PR-NWC-14-A	669									
8+67 PR-NWC-14-A	14+82 PR-NWC-14-A	615									
9+22 PR-NWC-14-A											4
12+01 PR-NWC-14-A											4
14+62 PR-NWC-14-A											4
14+82 PR-NWC-14-A										52	
37+32 S-14-A	40+16 S-14-A	284									
37+32 S-14-A	43+90 S-14-A					165					
37+32 S-14-A	43+90 S-14-A						165				
37+32 S-14-A	43+90 S-14-A		658								
37+34 S-14-A	43+90 S-14-A		656								
37+34 S-14-A	43+51 S-14-A						154				
37+34 S-14-A	43+83 S-14-A	679									
37+35 S-14-A	40+19 S-14-A										1
39+34 S-14-A	40+19 S-14-A							85			
39+34 S-14-A	40+19 S-14-A							85			
39+52 S-14-A									6		
39+68 S-14-A									11		
39+82 S-14-A									16		
39+99 S-14-A									22		
40+19 S-14-A	48+63 S-14-A	844									
43+51 S-14-A	43+96 S-14-A			23							
43+90 S-14-A										36	
44+20 S-14-A	44+72 S-14-A			37							
44+32 S-14-A	44+82 S-14-A				33						
44+74 S-14-A	48+63 S-14-A					97					
44+74 S-14-A	48+63 S-14-A						97				
44+75 S-14-A	48+69 S-14-A		394								
44+75 S-14-A	48+69 S-14-A					99					
44+75 S-14-A	46+24 S-14-A	149									
44+75 S-14-A										24	
44+82 S-14-A	48+63 S-14-A		381								
46+25 S-14-A	47+44 S-14-A							119			
46+27 S-14-A	47+44 S-14-A							124			
46+36 S-14-A	48+69 S-14-A	240									
46+43 S-14-A									43		
46+63 S-14-A									26		
46+83 S-14-A									15		
47+03 S-14-A									7		
47+23 S-14-A									3		
47+45 S-14-A	48+69 S-14-A					31					
217+11 A											3
217+11 A	220+30 A	319									
TOTALS		5,823	3,443	60	33	391	416	413	149	112	16

SHEET SIGN AND POST SUMMARY																
LINE	STATION	LT/MED/RT	SIGN CODE	SIGN				WITH LEGEND METAL THICKNESS AND AREA (SF)			POST			Comments		
				REMOVE	RELOCATE	SIGN SIZE (INCHES)		0.080"	0.100"	0.125"	SQUARE UNREINFORCED ANCHOR 2 1/4" - 12 GA. (TYPE 1)					
				EACH	EACH	WIDTH	HEIGHT				POST LENGTH (FT.)					
										1	2	TOTAL				
S-14-A	40+25	RT	E5-1													
	41+11	RT	M1-5		1											
			M4-6													
	42+75	RT	W4-1	1												
	43+66	RT	D3-1(SR 14)			54	18		6.75						MOUNTED ON SIGNAL WIRE	
	43+90	LT	R3-5(R)			30	36	7.50							MOUNTED ON SIGNAL WIRE	
	44+02	LT	R3-5(R)			30	36	7.50							MOUNTED ON SIGNAL WIRE	
	44+14	LT	R3-5(L)			30	36	7.50							MOUNTED ON SIGNAL WIRE	
	44+26	LT	R3-5(L)			30	36	7.50							MOUNTED ON SIGNAL WIRE	
	44+44	LT	R5-1		1											
			R6-1		1											
	44+50	RT	D3-1(ILLINOIS RD.)			72	18			9.00					MOUNTED ON SIGNAL WIRE	
	44+54	RT	R2-1(45)		1											
	45+84	RT	R1-2	1												
	46+40	RT	R1-2	1												
	48+22	LT	E11-1A			66	18			8.25					MOUNTED ON I-69 SOUTH PANEL SIGN	
	48+22	LT	E11-1B			66	18			8.25					MOUNTED ON I-69 SOUTH PANEL SIGN	
PR-NWC-14-A	07+75	RT	(RAMP 105 I-69S TO ILLINOIS RD.)		1											
	09+05	RT	W3-3		1											
	09+05	LT	W3-3		1											
	12+05	RT	R3-8	1												
	12+05	RT	R5-1a	1		42	30	8.75		11.0						
	12+05	LT	R3-8	1												
	12+05	LT	R5-1a	1		42	30	8.75		11.0						
PAY TOTAL				7.00	8.00			30.00	24.25	25.50				0.00		

PANEL SIGN SUMMARY TABLE								
LOCATION	MODIFICATION	SIGN TO BE REMOVED	SIGN MODIFICATION (GROUND MOUNT)	SIGN MODIFICATION OVERHEAD	SHEET SIGN (SF) GREEN	SHEET SIGN (SF) BLUE	OVERHEAD SIGN STRUCTURE, CANTILEVER, REMOVE	SIGN, PANEL, REMOVE
I-69 SB (RP)								
307+39	COVER "A" IN LODGING - EXIT 305A		1			0.69		
	COVER "A" IN GAS - EXIT 305A					0.69		
307+16	COVER "A" IN EXIT 305A		1		1.56			
307+06	COVER "A" IN FOOD - EXIT 305A		1			0.69		
306+90	COVER "A" IN EXIT 305A		1			0.69		
	COVER "EXIT 305B" AND "STARBUCKS LOGO" IN TOP RIGHT CORNER					12.75		
306+77	COVER "S" IN EXITS 305B-A		1		0.69			
	COVER "B-A" IN EXITS 305B-A				4.69			
306+23	COVER "B" IN EXIT 305B		1		1.56			
305+90	COVER "S" IN EXITS 305A-B		1			0.69		
	COVER "A-B" IN EXITS 305A-B					4.69		
305+58	COVER "B" IN 305B		1		2.25			
			EXIT 305A (1/4 MILE)					1
305+53	COVER "B" IN 305B		1		2.25			
305+34			EXIT 305A				1	
305+23			EXIT 305A (GORE)					1
SR 14 (STA)								
38+18	COVER "EXIT" TO LEFT SIDE OF ARROW			1	8.25			
	COVER "ONLY" TO RIGHT SIDE OF ARROW				8.25			
48+22	ADD E11-1A ON LEFT SIDE OF ARROW			1				
	ADD E11-1B ON RIGHT SIDE OF ARROW							
TOTAL			9	2	30	21	1	2

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE NO.
DESIGNED: ALB	DRAWN: ACB		Full Size 1 = 1	N/A
CHECKED: MAR	CHECKED: MAR	SUMMARY TABLES	VERTICAL SCALE	DESIGNATION NO.
				1401828
			SURVEY BOOK NO.	SHEETS
				66 of 81
			CONTRACT NO.	PROJECT NO.
			R-38565	1401828

Underdrain Pipe Limits: Ramp C - Outside LT	Type 4 Pipe		Geotextiles for Underdrains (SY)	Aggregate for Underdrains (CYS)	HMA for Underdrains (TON)	Special Grade (%)	Flow Line Elevation at Underdrain Pipe Limit (ft)	Outlet Pipe Required (Y/N)	Connect Underdrain Pipe to Cleanout No. ____	45° Elbows Required (1, 2, or 4)	6 in. Outlet Pipe (ft)	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ____	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ____	Structure Invert Elevation	Structure Backfill (CYS)	Outlet Protector No. ____	Outlet Protector Type	Location				Remarks															
	4 in	6 in																			Outside Left	Median Left	Median Right	Outside Right																
	(ft)	(ft)																																						
7+13.00							824.05	Y		2	13.75	7+13.00	824.00	OP-SBR-LT-1	822.20			0.2	OP-SBR-LT-1	2		X																		
13+00.00		581	402.4	46.4			819.71	Y		2	6.75	13+00.00	819.68	OP-SBR-LT-2	819.08			0.2	OP-SBR-LT-2	2		X																		
13+00.00							819.71	Y		2	6.75	13+00.00	819.68	OP-SBR-LT-2	819.08			0.2	OP-SBR-LT-2	2		X																		
14+75.00		172	120.0	13.8			824.07	N																																
Total This Sheet		753	522.4	60.2						6	27.3							0.6																						
Pay Total Ramp C Outside LT		753	522.4	60.2						6	27.3							0.6																						

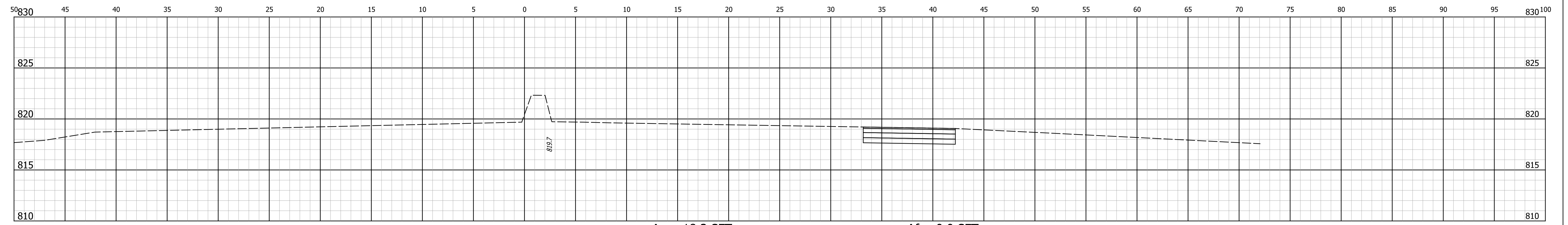
Underdrain Pipe Limits: Ramp C - Outside RT	Type 4 Pipe		Geotextiles for Underdrains (SY)	Aggregate for Underdrains (CYS)	HMA for Underdrains (TON)	Special Grade (%)	Flow Line Elevation at Underdrain Pipe Limit (ft)	Outlet Pipe Required (Y/N)	Connect Underdrain Pipe to Cleanout No. ____	45° Elbows Required (1, 2, or 4)	6 in. Outlet Pipe (ft)	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ____	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ____	Structure Invert Elevation	Structure Backfill (CYS)	Outlet Protector No. ____	Outlet Protector Type	Location				Remarks																	
	4 in	6 in																			Outside Left	Median Left	Median Right	Outside Right																		
	(ft)	(ft)																																								
7+13.00							822.46	N																																		
11+00.00		384	248.2	33.1			820.31	Y		2	6.75	11+00.00	820.28	OP-NBR-RT-1	813.80			0.2	OP-NBR-RT-1	2																						
11+00.00							820.31	Y		2	6.75	11+00.00	820.28	OP-NBR-RT-1	815.79			0.2	OP-NBR-RT-1	2																						
14+75.00		372	257.1	29.6			822.47	N																																		
Total This Sheet		756	505.2	62.7						4	13.5							0.4																								
Pay Total Ramp C Outside RT		756	505.2	62.7						4	13.5							0.4																								

LOCATION	TYPE 4 PIPE		GEOTEXTILES FOR UNDERDRAIN (SY)	AGGREGATE FOR UNDERDRAINS (CYS)	45° ELBOWS EACH	6 IN. OUTLET PIPE LFT	STRUCTURAL BACKFILL CYS	OUTLET PROTECTOR TYPE		CLEANOUT
	6 IN.							TYPE 1	TYPE 2	
	LFT	SYS								
Ramp C LT	753	522.4	60.2	6	27.25	0.6	0	2	0	
Ramp C RT	756	505.2	62.7	4	13.5	0.4	0	1	0	
Total	1509	1027.6	122.9	10	40.75	1	0	3	0	

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

INDIANA DEPARTMENT OF TRANSPORTATION	
SUMMARY TABLES	

HORIZONTAL SCALE Full Size 1 = 1	BRIDGE FILE NO. N/A
VERTICAL SCALE	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 67 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828

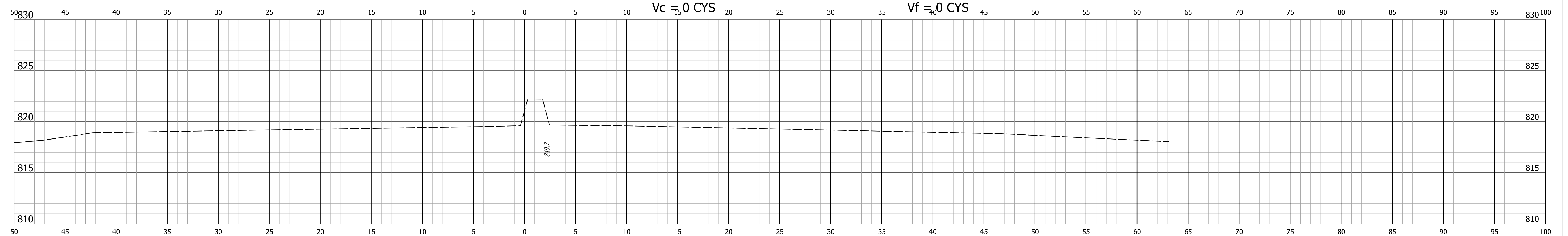


$Ac = 18.3$  SFT       $Af = 0.0$  SFT  
 $Vc = 11$  CYS       $Vf = 0$  CYS

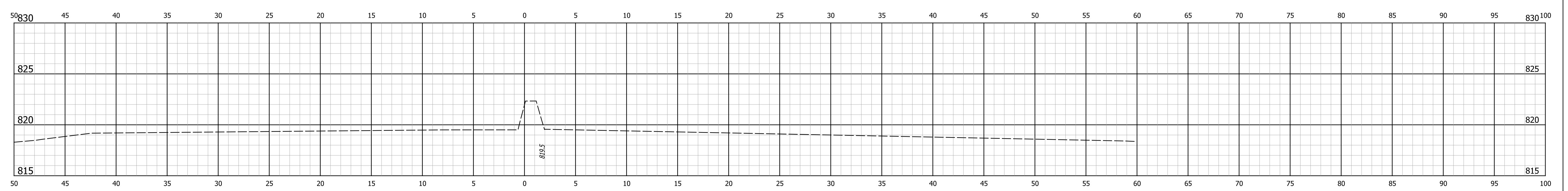
BEGIN PROJECT STA. 39+16.12 "S-14-A"

$Ac = 0.0$  SFT       $Af = 0.0$  SFT  
 $Vc = 0$  CYS       $Vf = 0$  CYS

STA. 39+50



STA. 39+00



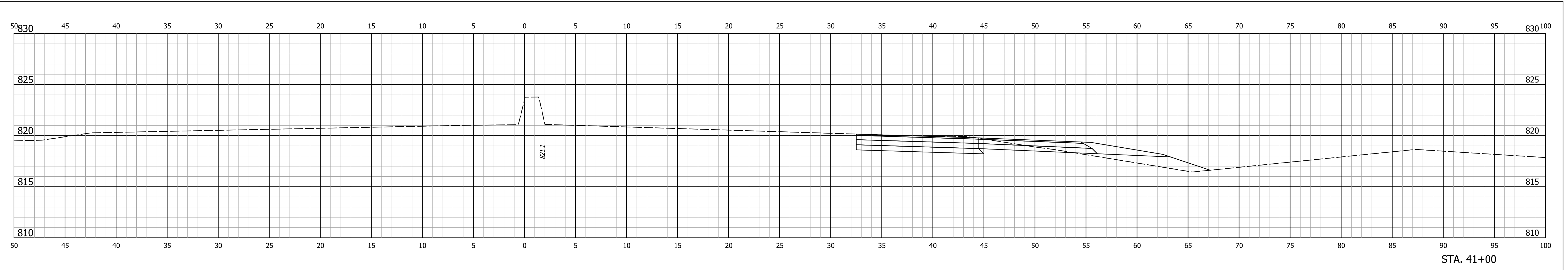
STA. 38+50

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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

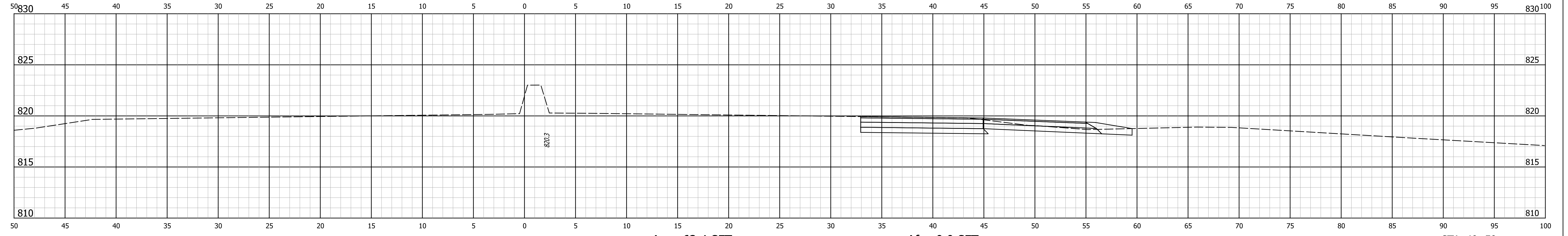
**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**CROSS SECTIONS**  
 STA. 38+50 "S-14-A" TO STA. 39+50 "S-14-A"

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE NO. N/A
VERTICAL SCALE 1" = 5'	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 68 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828



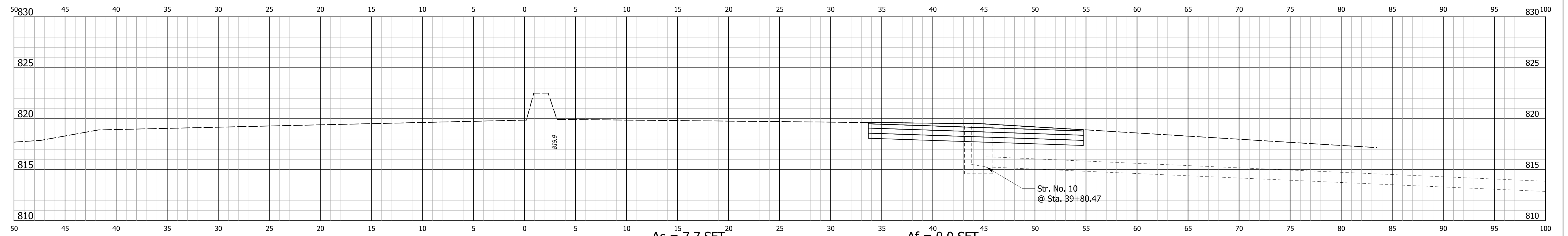
Ac = 44.7 SFT  
Vc = 100 CYS

Af = 8.0 SFT  
Vf = 7 CYS



Ac = 63.4 SFT  
Vc = 66 CYS

Af = 0.0 SFT  
Vf = 0 CYS



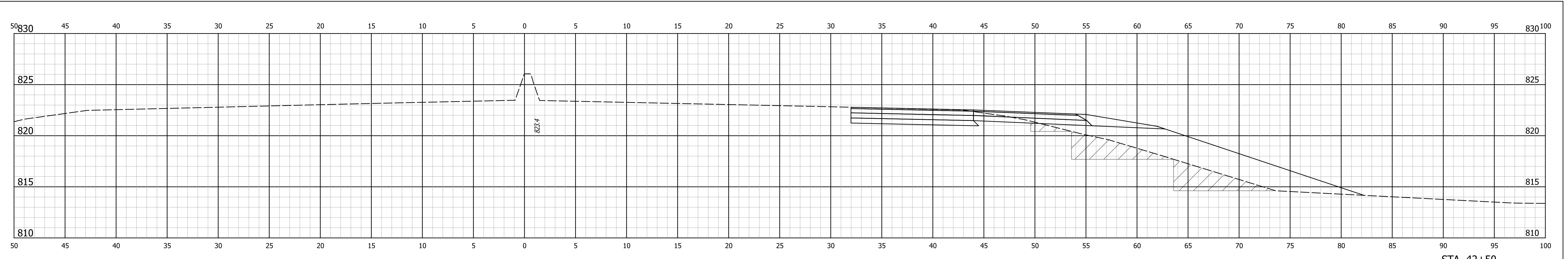
Ac = 7.7 SFT  
Vc = 15 CYS

Af = 0.0 SFT  
Vf = 0 CYS

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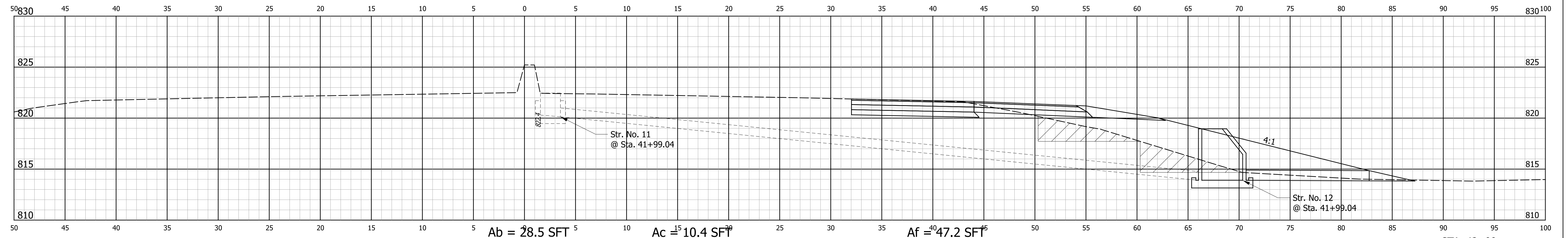
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE	BRIDGE FILE NO.
	DESIGNED: ALB	DRAWN: ACB			1" = 5'	N/A
CHECKED: MAR	CHECKED: MAR		CROSS SECTIONS		VERTICAL SCALE	DESIGNATION NO.
					1" = 5'	1401828
			STA. 40+00 "S-14-A" TO STA. 41+00 "S-14-A"		SURVEY BOOK NO.	SHEETS
						69 of 81
					CONTRACT NO.	PROJECT NO.
					R-38565	1401828





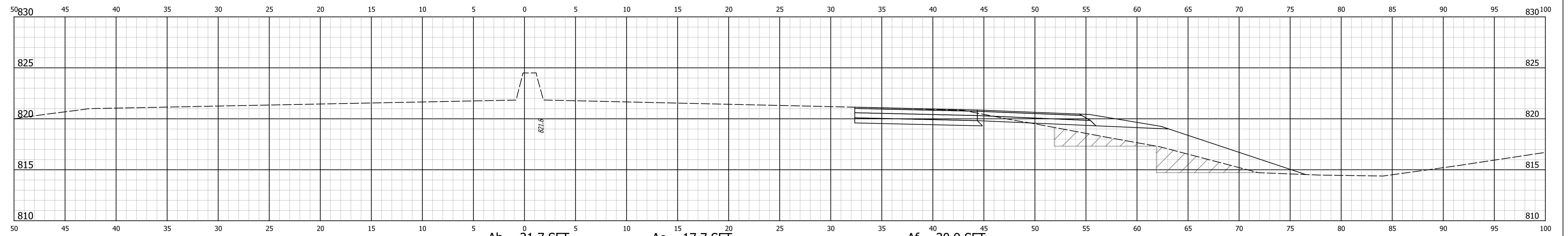
Ab = 31.8 SFT      Ac = 10.9 SFT      Af = 54.2 SFT  
 Vb = 45 CYS      Vc = 20 CYS      Vf = 94 CYS

STA. 42+50



Ab = 28.5 SFT      Ac = 10.4 SFT      Af = 47.2 SFT  
 Vb = 56 CYS      Vc = 26 CYS      Vf = 54 CYS

STA. 42+00



Ab = 21.7 SFT      Ac = 17.7 SFT      Af = 30.9 SFT  
 Vb = 0 CYS      Vc = 58 CYS      Vf = 36 CYS

STA. 41+50

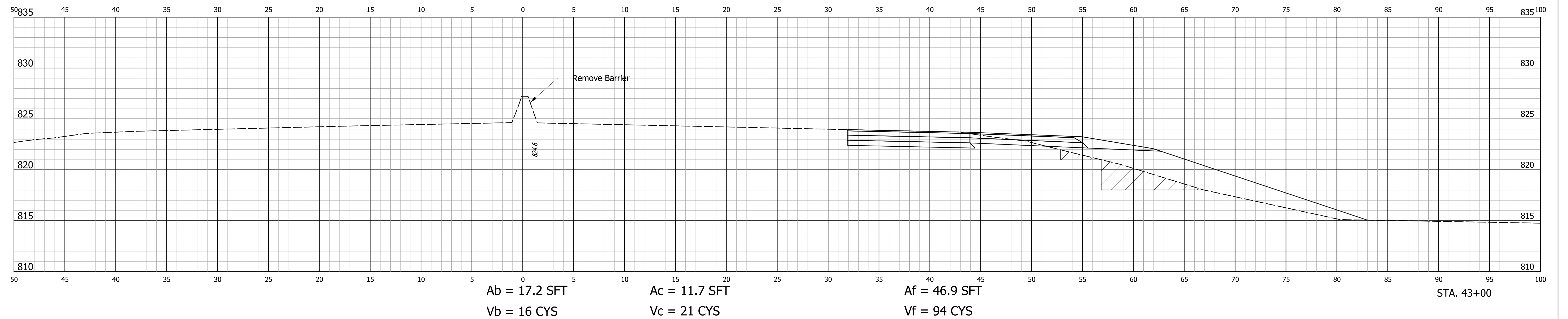
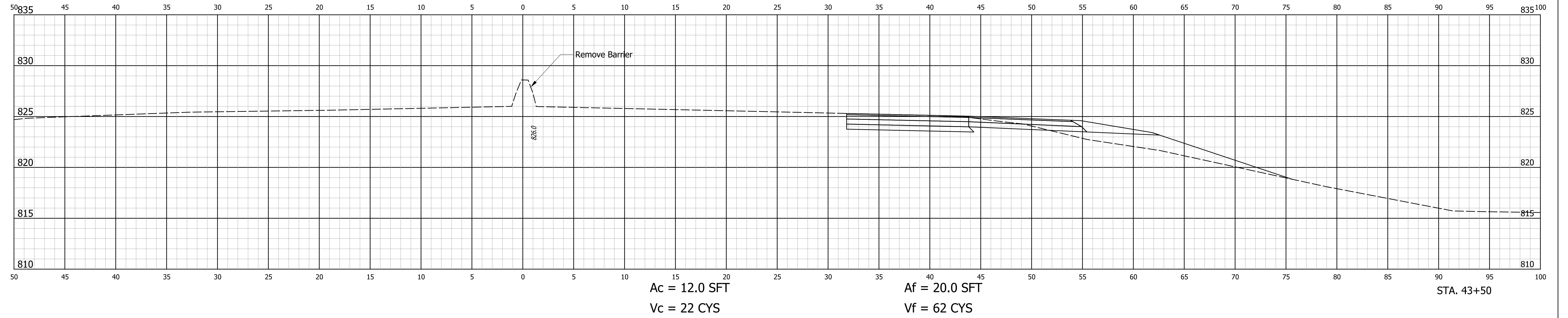
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE	BRIDGE FILE NO.
	DESIGNED: ALB	DRAWN: ACB			VERTICAL SCALE	N/A
CHECKED: MAR	CHECKED: MAR		CROSS SECTIONS STA. 41+50 "S-14-A" TO STA. 42+50 "S-14-A"		1" = 5'	DESIGNATION NO.
					1" = 5'	1401828
					SURVEY BOOK NO.	SHEETS
					70	of 81
					CONTRACT NO.	PROJECT NO.
					R-38565	1401828

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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

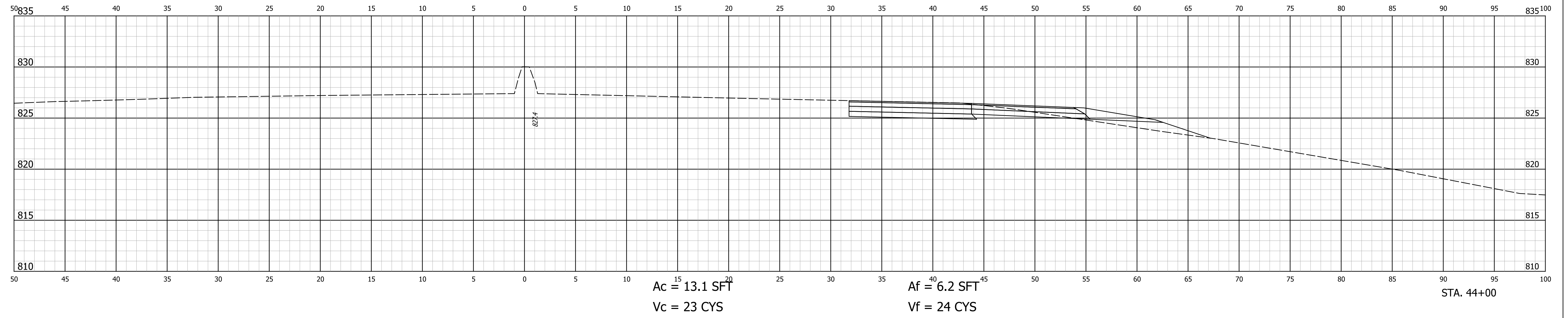
INDIANA  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
STA. 43+00 "S-14-A" TO STA. 43+50 "S-14-A"

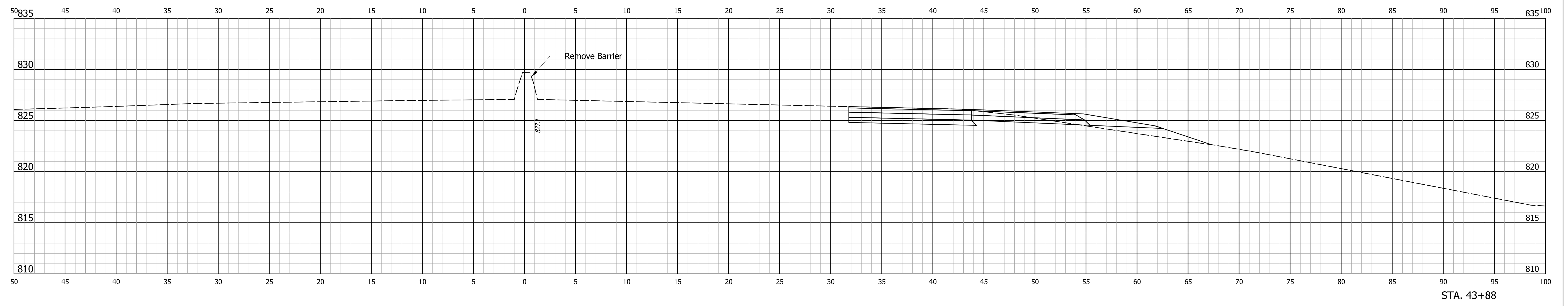
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VERTICAL SCALE 1" = 5'	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 71 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828

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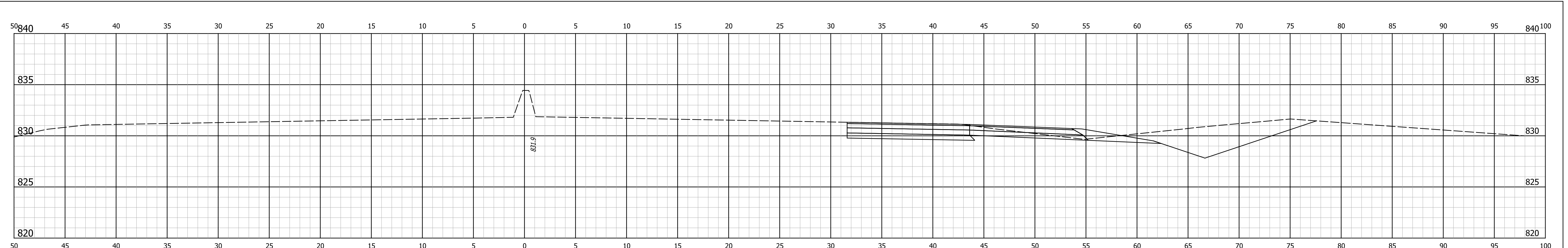
MOD. PUBLIC ROAD APPROACH TYPE D, LT.



RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**CROSS SECTIONS**  
 STA. 43+88 "S-14-A" TO STA. 44+00 "S-14-A"

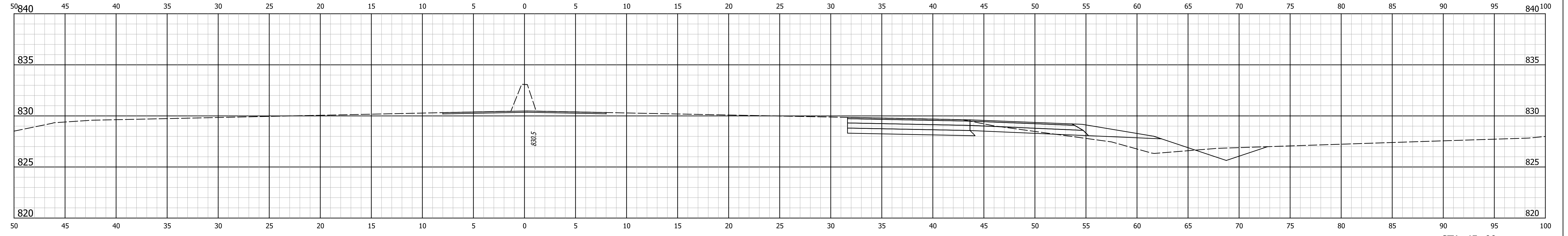
HORIZONTAL SCALE 1" = 5'	BRIDGE FILE NO. N/A
VERTICAL SCALE 1" = 5'	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 72 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828



Ac = 46.2 SFT  
Vc = 57 CYS

Af = 0.0 SFT  
Vf = 9 CYS

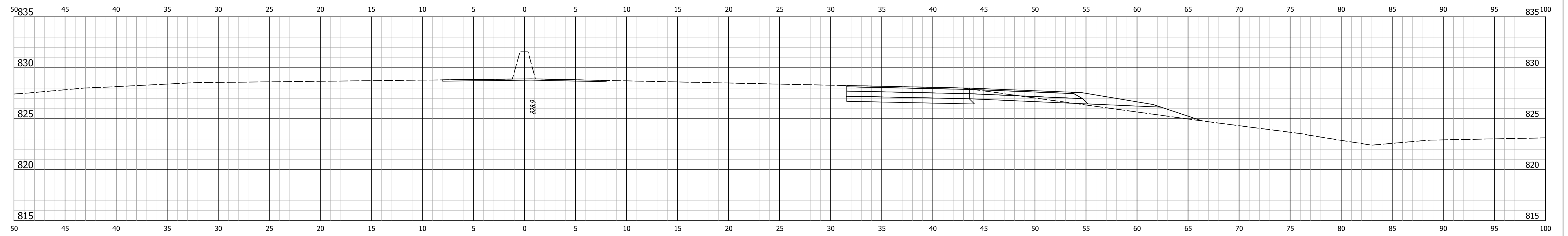
STA. 45+50



Ac = 15.2 SFT  
Vc = 25 CYS

Af = 9.3 SFT  
Vf = 14 CYS

STA. 45+00



Ac = 12.2 SFT  
Vc = 23 CYS

Af = 5.7 SFT  
Vf = 11 CYS

STA. 44+50

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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

**INDIANA DEPARTMENT OF TRANSPORTATION**

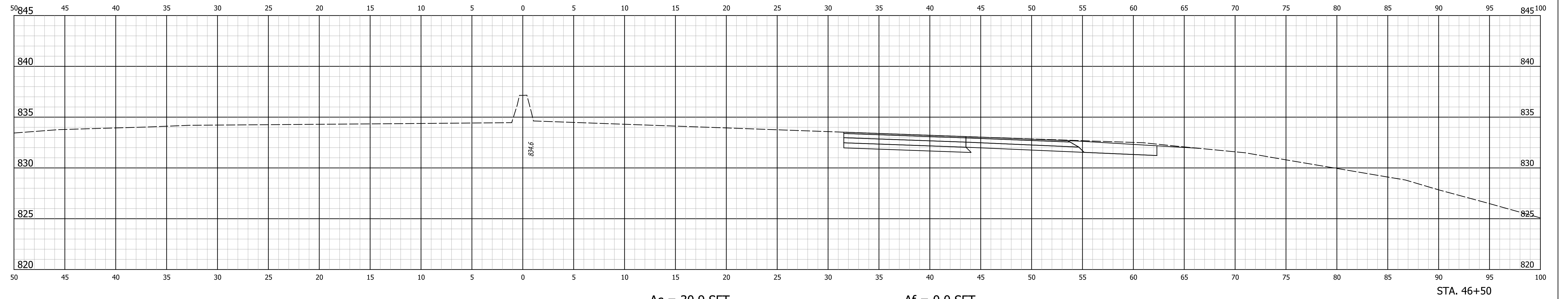
**CROSS SECTIONS**

STA. 44+50 "S-14-A" TO STA. 45+50 "S-14-A"

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE NO. N/A
VERTICAL SCALE 1" = 5'	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 73 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828

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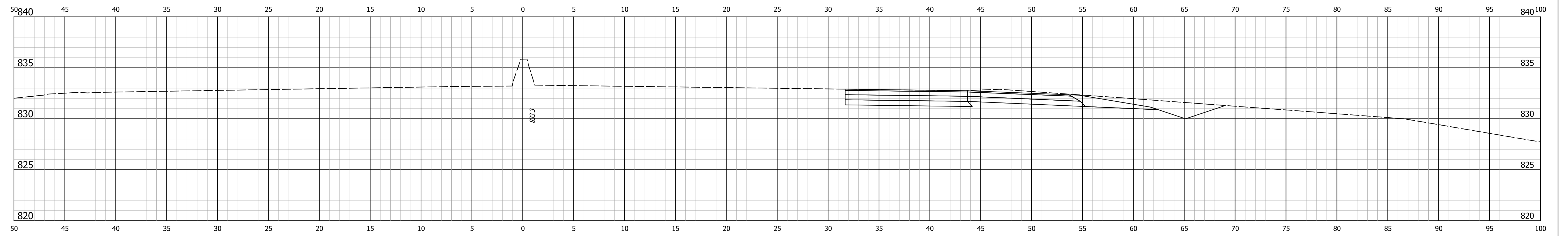
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Ac = 30.9 SFT  
Vc = 61 CYS

Af = 0.0 SFT  
Vf = 0 CYS

STA. 46+50



Ac = 35.1 SFT  
Vc = 75 CYS

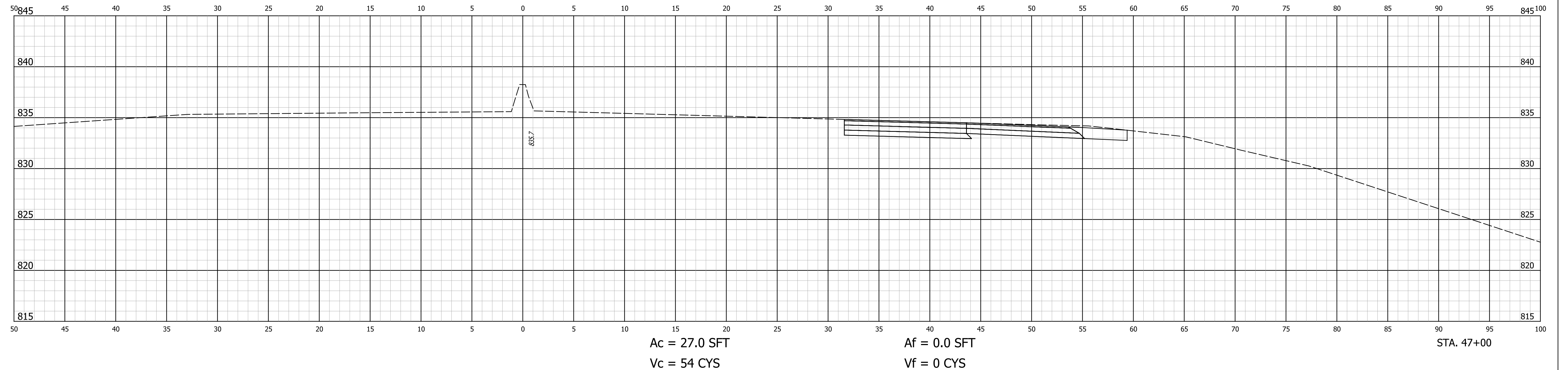
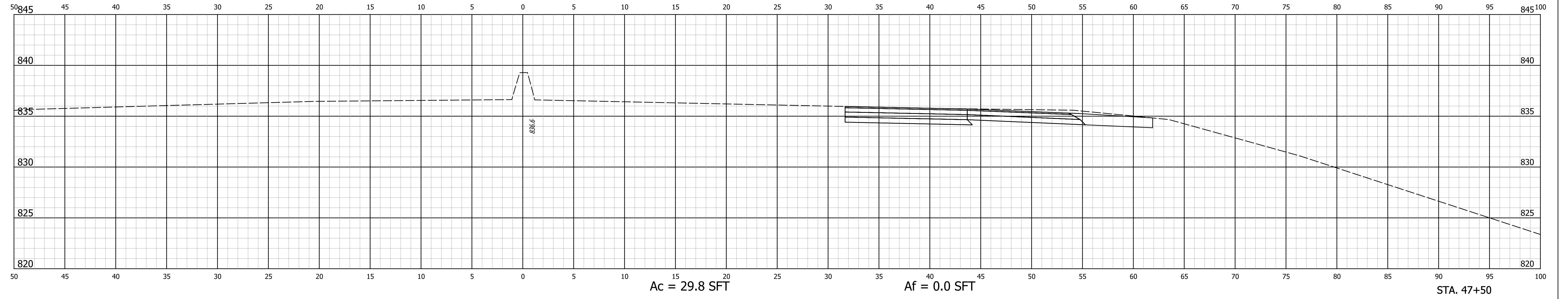
Af = 0.0 SFT  
Vf = 0 CYS

STA. 46+00

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE	BRIDGE FILE NO.
					1" = 5'	N/A
DESIGNED: ALB	DRAWN: ACB		CROSS SECTIONS		VERTICAL SCALE	DESIGNATION NO.
CHECKED: MAR	CHECKED: MAR				1" = 5'	1401828
			STA. 46+00 "S-14-A" TO STA. 46+50 "S-14-A"		SURVEY BOOK NO.	SHEETS
						74 of 81
					CONTRACT NO.	PROJECT NO.
					R-38565	1401828



END PROJECT STA. 47+75.52 "S-14-A"  
 Ac = 48.7 SFT Af = 0.0 SFT  
 Vc = 37 CYS Vf = 0 CYS



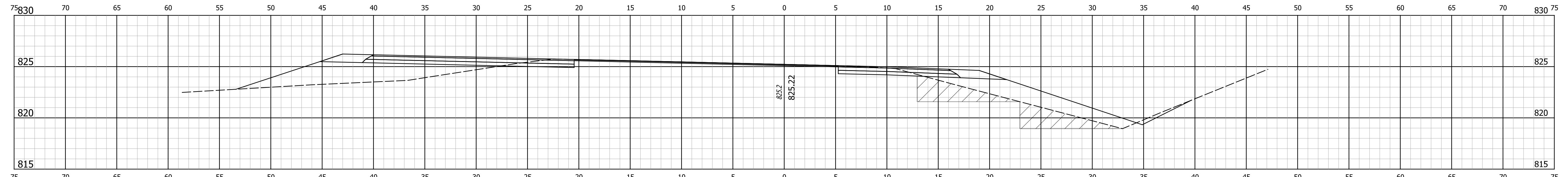
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

INDIANA  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 STA. 47+00 "S-14-A" TO STA. 47+50 "S-14-A"

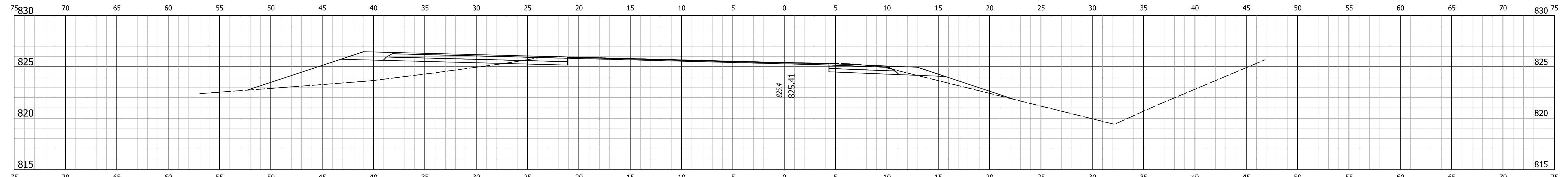
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VERTICAL SCALE 1" = 5'	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 75 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828

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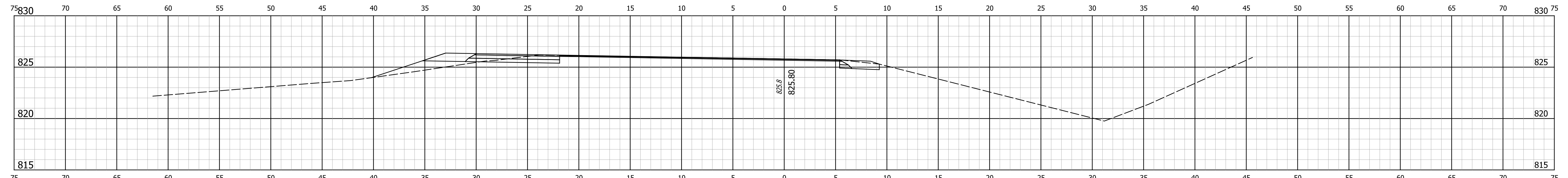
Ab = 26.4 SFT      Ac = 8.1 SFT      Af = 57.1 SFT  
 Vb = 0 CYS      Vc = 16 CYS      Vf = 84 CYS

STA. 8+50



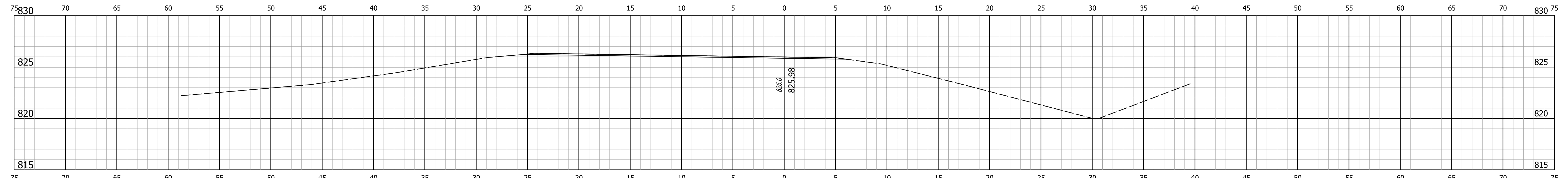
Ab = 0 SFT      Ac = 9.0 SFT      Af = 33.1 SFT  
 Vb = 0 CYS      Vc = 11 CYS      Vf = 35 CYS

STA. 8+00



Ab = 0.0 SFT      Ac = 4.9 SFT      Af = 5.0 SFT  
 Vb = 0 CYS      Vc = 5 CYS      Vf = 5 CYS

STA. 7+50



Ab = 0 SFT      Ac = 0 SFT      Af = 0 SFT  
 Vb = 0 CYS      Vc = 0 CYS      Vf = 0 CYS

STA. 7+00

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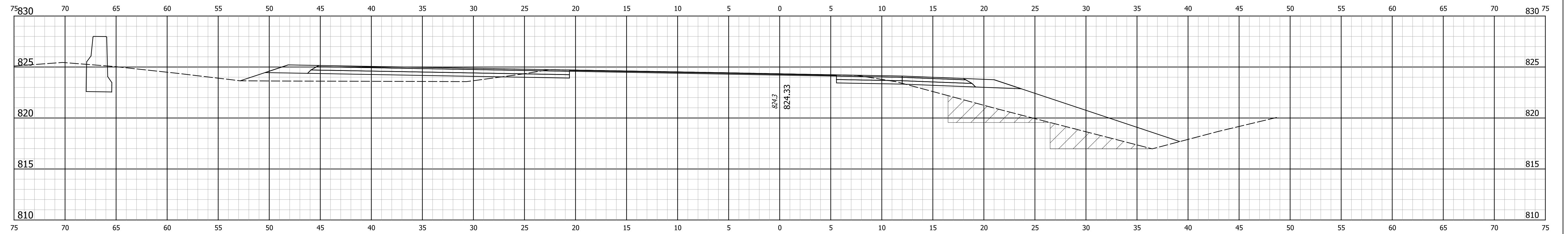
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

**INDIANA DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

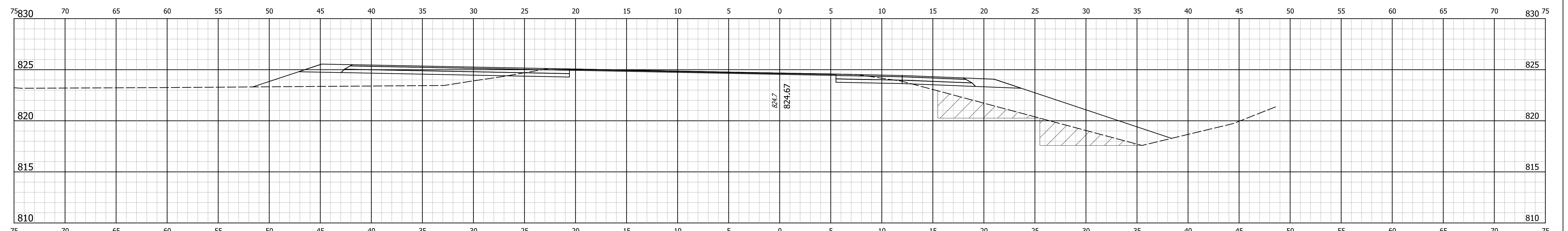
**STA. 7+00 TO STA. 8+50 "PR-NWC-14-A"**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE NO. N/A
VERTICAL SCALE 1" = 5'	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 76 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828



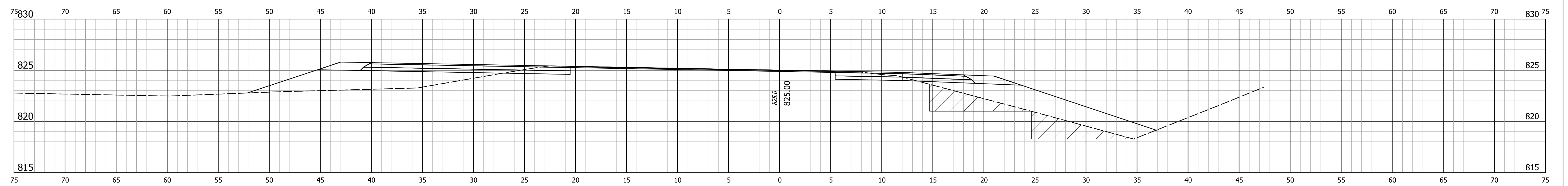
**Ab = 25.9 SFT**      **Ac = 5.3 SFT**      **Af = 59.1 SFT**  
**Vb = 48.8 CYS**      **Vc = 10 CYS**      **Vf = 114 CYS**

STA. 10+00



**Ab = 26.8 SFT**      **Ac = 5.5 SFT**      **Af = 64.2 SFT**  
**Vb = 49.7 CYS**      **Vc = 11 CYS**      **Vf = 121 CYS**

STA. 9+50



**Ab = 26.9 SFT**      **Ac = 6.1 SFT**      **Af = 66.4 SFT**  
**Vb = 49.4 CYS**      **Vc = 13 CYS**      **Vf = 114 CYS**

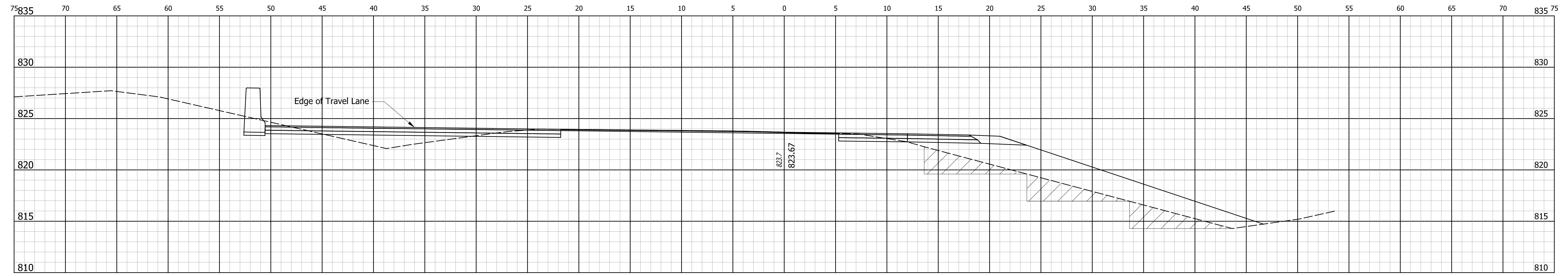
STA. 9+00

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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

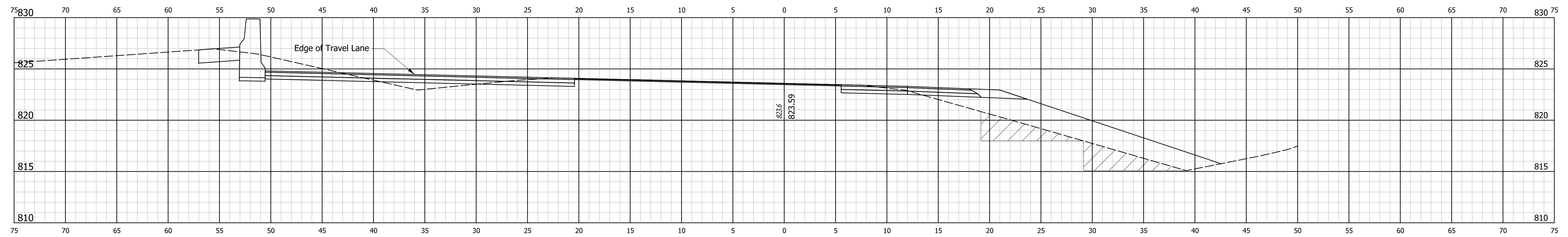
**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**CROSS SECTIONS**  
**STA. 9+00 TO STA. 10+00 "PR-NWC-14-A"**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE NO. N/A
VERTICAL SCALE 1" = 5'	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 77 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828



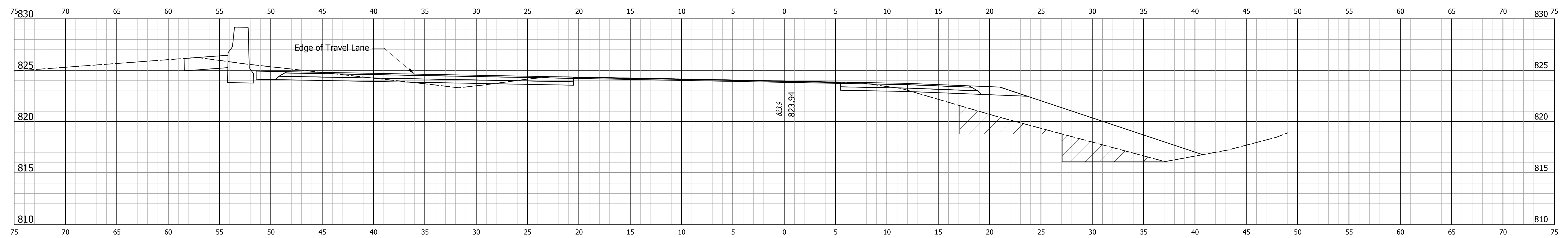
**Ab = 39.9 SFT**      **Ac = 35.5 SFT**      **Af = 69.6 SFT**  
**Vb = 63.7 CYS**      **Vc = 68 CYS**      **Vf = 113 CYS**

STA. 11+50



**Ab = 28.9 SFT**      **Ac = 38.4 SFT**      **Af = 52.4 SFT**  
**Vb = 51.8 CYS**      **Vc = 54 CYS**      **Vf = 97 CYS**

STA. 11+00



**Ab = 27.0 SFT**      **Ac = 20.3 SFT**      **Af = 52.5 SFT**  
**Vb = 49.0 CYS**      **Vc = 24 CYS**      **Vf = 103 CYS**

STA. 10+50

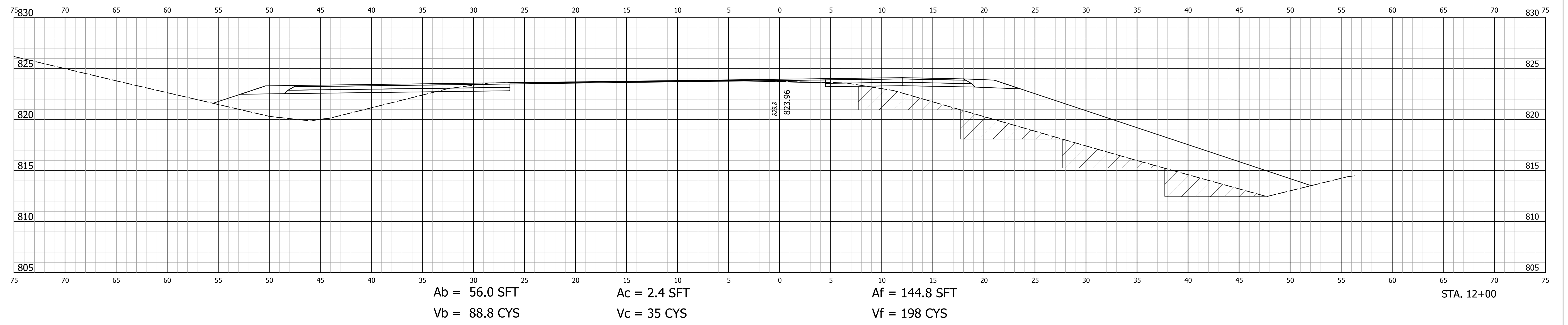
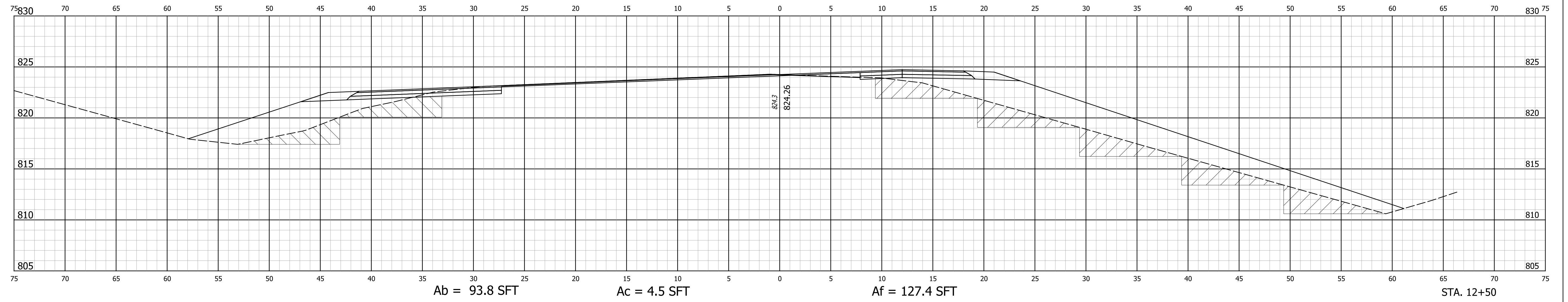
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

**INDIANA DEPARTMENT OF TRANSPORTATION**  
  
**CROSS SECTIONS**  
**STA. 10+50 TO STA. 11+50 "PR-NWC-14-A"**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE NO. N/A
VERTICAL SCALE 1" = 5'	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 78 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828

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6/11/2020



RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

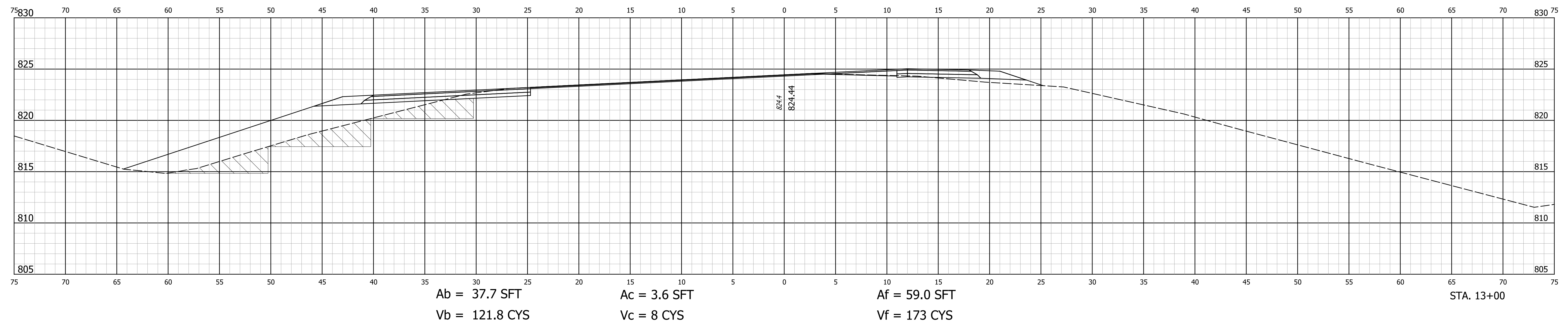
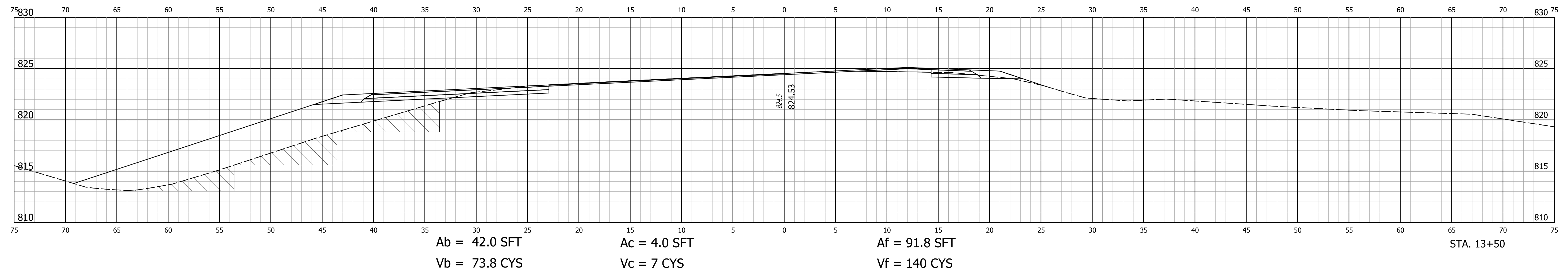
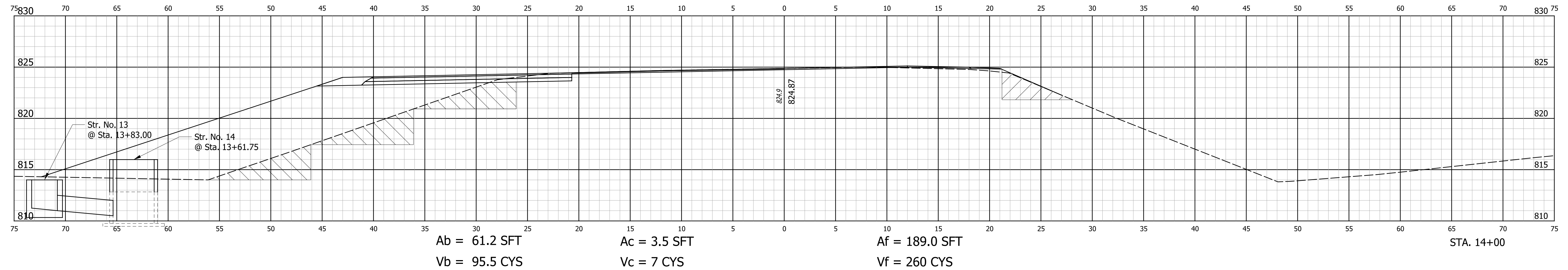
**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
STA. 12+00 TO STA. 12+50 "PR-NWC-14-A"

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE NO. N/A
VERTICAL SCALE 1" = 5'	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 79 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828

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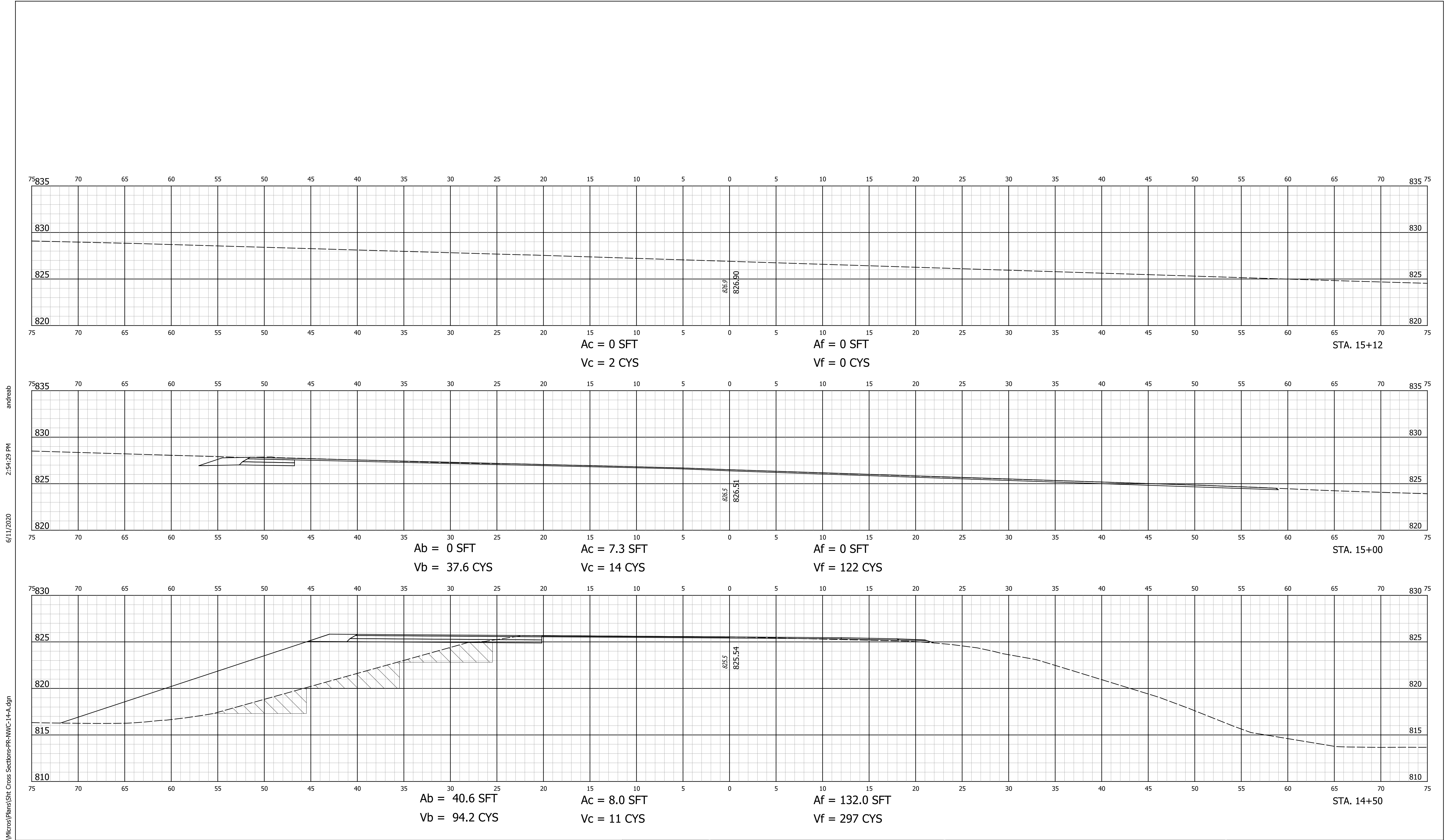


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**CROSS SECTIONS**  
 STA. 13+00 TO STA. 14+00 "PR-NWC-14-A"

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE NO. N/A
VERTICAL SCALE 1" = 5'	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 80 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828

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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ALB	DRAWN: ACB	
CHECKED: MAR	CHECKED: MAR	

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**CROSS SECTIONS**  
**STA. 14+50 TO STA. 15+12 "PR-NWC-14-A"**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE NO. N/A
VERTICAL SCALE 1" = 5'	DESIGNATION NO. 1401828
SURVEY BOOK NO.	SHEETS 81 of 81
CONTRACT NO. R-38565	PROJECT NO. 1401828