PROJECT	DESIGNATION
2101727	2101727
CONTRACT	BRIDGE FILE
B-44244	BOONE 61

INDIANA DEPARTMENT OF TRANSPORTATION

STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
Boone County Bridge No. 61	Cast-In-Place Reinforced Concrete Slab	Three Span @ 36'-0", 48'-0", 36'-0", Skew: 35° Lt.	Big Eagle Creek	15+78.00 "A"

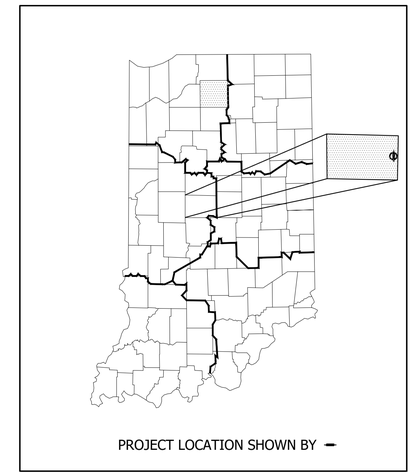
TRAFFIC DATA	CR 1000 EAST
A.A.D.T. (2023)	300 V.P.D.
A.A.D.T. (2047)	728 V.P.D.
D.H.V. (2047)	73 V.P.H.
DIRECTIONAL DISTRIBUTION	50%
TRUCKS	3.0 % A.A.D.T.
	3.0 % D.H.V.
DESIGN DATA	**CR 1000 EAST**
DESIGN SPEED	40 MPH
PROJECT DESIGN CRITERIA	3R (Non-Freeway)
FUNCTIONAL CLASSIFICATION	Local Road
RURAL/URBAN	Rural
TERRAIN	Level
ACCESS CONTROL	None

BRIDGE PLANS

FOR SPANS OVER 20 FEET
ON
COUNTY ROAD 1000 EAST
OVER BIG EAGLE CREEK

PROJECT NO. 2101727 P.E.
2101727 R/W
2101727 CONST.

REPLACEMENT OF BOONE COUNTY BRIDGE NO. 61 CARRYING CR 1000 EAST 0VER
BIG EAGLE CREEK, LOCATED 0.40 MILE NORTH OF SR 32 IN SECTIONS 34 & 35, T-19-N, R-2-E,
UNION TOWNSHIP, BOONE COUNTY, INDIANA



LATITUDE: 40°02'50.82" LONGITUDE: 86°16'45.95"

BRIDGE LENGTH = 0.023 mi.
ROAD LENGTH = 0.086 mi.
TOTAL LENGTH = 0.109 mi.
MAX. GRADE = -3.72%

HUC: 051202011103

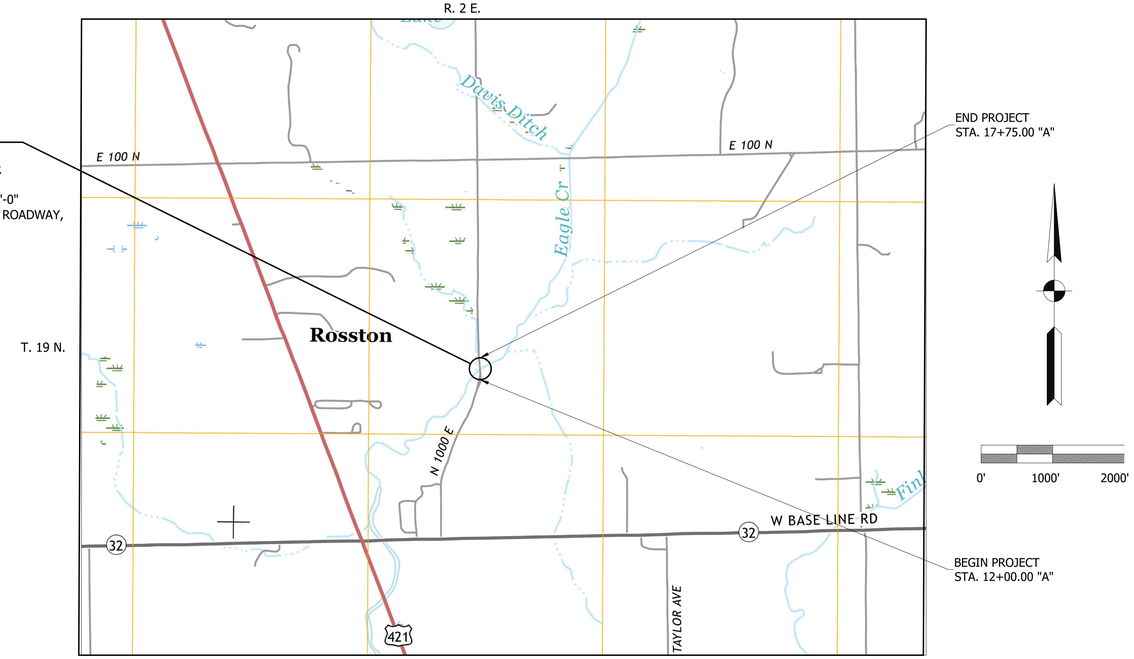
APPROVED BY
BOONE COUNTY BOARD OF COMMISSIONERS

ATTEST DATE

RECOMMENDED FOR APPROVAL

DATE

PROJECT LOCATION
BOONE COUNTY BRIDGE NO. 61
COUNTY ROAD 1000 EAST OVER
BIG EAGLE CREEK
THREE SPANS: 36'-0", 48'-0", 36'-0"
35° SKEW LT., 28'-0 3/4" CLEAR ROADWAY,
℄ STA. 15+78.00 "A"



LOCATION MAP

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

consultants
8415 East 56th Street
Indianapolis, Indiana 46216

PLANS PREPARED BY: USI Consultants, Inc. 317-544-4996
PHONE NUMBER
CERTIFIED BY: DATE
APPROVED FOR LETTING: INDIANA DEPARTMENT OF TRANSPORTATION DATE

BRIDGE FILE		
BOONE 61		
DESIGNATION		
2101727		
SURVEY BOOK	SHEETS	
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UTILITIES

BOONE COUNTY REMC
1207 Indianapolis Ave.
Lebanon, IN. 46052
Ph: (800) 897-7362
Cell: (765) 894-1083
Randy Campbell
rcampbell@bremc.com

INDEX

SHEET N0.	SUBJECT
1	TITLE SHEET
2	INDEX SHEET
3	TYPICAL CROSS SECTION
4	DETOUR ROUTE
5-6	LOCATION CONTROL ROUTE SURVEY
7	PLAN PROFILE LINE "A"
8	SUPERELEVATION TRANSITION DIAGRAM - LINE "A"
9-10	EROSION CONTROL DETAILS
11	LAYOUT
12	GENERAL PLAN
13	ROAD AND BRIDGE SUMMARY
14-28	CROSS SECTIONS-LINE "A"

REVISIONS

SHEET N0.	DATE	REVISED

Indiana811
Know what's below. Call before you dig.

1-800-382-5544
CALL BEFORE YOU DIG

CAUTION !!

THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (including, but not limited to, manholes, inlets, valves, and marks made upon the ground by others) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

NOT FOR CONSTRUCTION

DESIGNED: JMH | DRAWN: DWB
CHECKED: BMA | CHECKED: JMH

INDIANA
DEPARTMENT OF TRANSPORTATION

INDEX

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	BOONE 61
VERTICAL SCALE	DESIGNATION
AS NOTED	2101727

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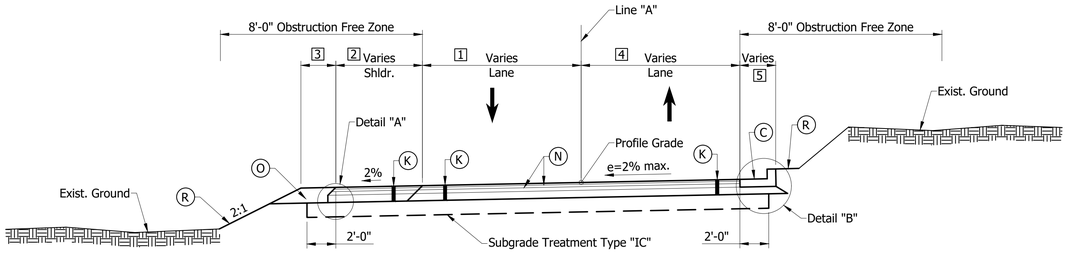


1 Varies 8'-8" at Sta. 11+50.00 to 10'-0" at Sta. 12+00.00 "A"
10'-0" from Sta. 12+00.00 to Sta. 13+65.27 "A"

2 1'-0" from Sta. 11+50.00 to Sta. 12+95.00 "A"
Varies 1'-0" at Sta. 12+95.00 to 4'-0" at Sta. 13+45.00 "A"
4'-0" from Sta. 13+45.00 to Sta. 13+65.27 "A"

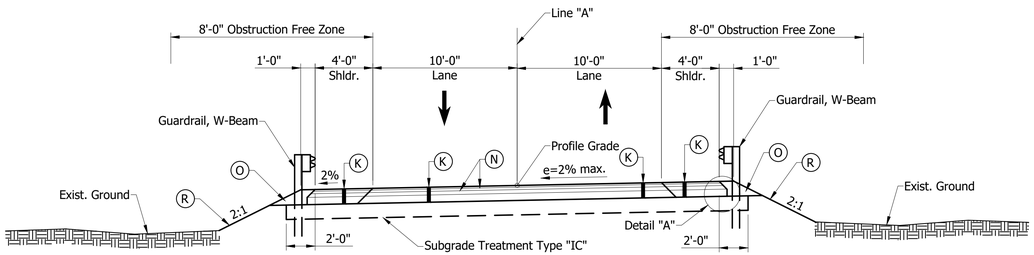
3 1'-0" from Sta. 11+50.00 to Sta. 13+65.27 "A"

4 Varies 8'-7" at Sta. 11+50.00 to 10'-0" at Sta. 12+00.00 "A"
10'-0" from Sta. 12+00.00 to Sta. 13+65.27 "A"

5 1'-0" from Sta. 11+50.00 to Sta. 12+95.00 "A"
Varies 1'-0" at Sta. 12+95.00 to 2'-6" at Sta. 13+20.00 "A"
2'-6" from Sta. 13+20.00 to Sta. 13+65.27 "A"

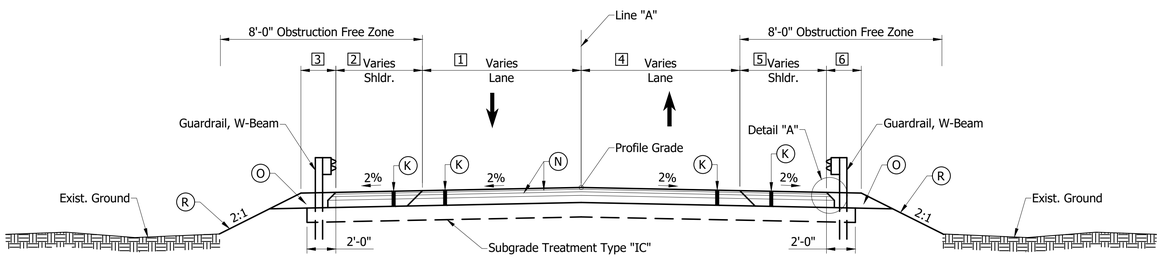
TYPICAL SECTION

Scale: 1" = 5'
Sta. 11+50.00 to Sta. 13+65.27 "A"



TYPICAL SECTION

Scale: 1" = 5'
Sta. 13+65.27 to Sta. 14+86.30 "A"
Sta. 16+69.70 to Sta. 17+75.00 "A"



1 Varies 10'-0" at Sta. 17+75.00 to 8'-9" at Sta. 18+25.00 "A"

2 Varies 4'-0" at Sta. 17+75.00 to 2'-0" at Sta. 18+25.00 "A"

3 1'-0" from Sta. 17+75.00 to Sta. 18+25.00 "A"

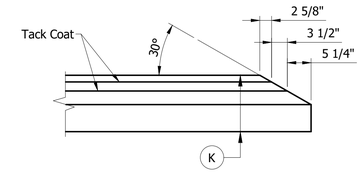
4 Varies 10'-0" at Sta. 17+75.00 to 10'-3" at Sta. 18+25.00 "A"

5 Varies 4'-0" at Sta. 17+75.00 to 2'-0" at Sta. 18+25.00 "A"

6 1'-0" from Sta. 17+75.00 to Sta. 18+25.00 "A"

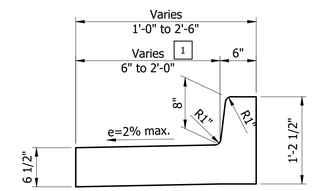
TYPICAL SECTION

Scale: 1" = 5'
Sta. 17+75.00 to Sta. 18+25.00 "A"



DETAIL "A"

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



1 6" from Sta. 11+50.00 to 12+95.00 "A"
Varies from 6" @ 12+95.00 to 2'-0" @ Sta. 13+20.00 "A"
2'-0" from Sta. 13+20.00 to Sta. 13+65.27 "A"

DETAIL "B"
MODIFIED COMBINED CONCRETE CURB AND GUTTER

Scale: 1" = 1'-0"

LEGEND

- (C) Modified Combined Concrete Curb and Gutter
- (K) 165#/Syd. HMA Surface, 9.5 mm, Type "B" on 220#/Syd. HMA Intermediate, 12.5 mm, Type "B" on 330#/Syd. HMA Base, 19.0mm, Type "B" on 6" of Compacted Aggregate (CA), No. 53 on Subgrade Treatment, Type IC
- (N) Tack Coat
- (O) 12" Compacted Aggregate, No. 53
- (R) Permanent Turf Reinforcement Mat with Seeding "R"

NOT FOR CONSTRUCTION

DESIGNED: JMH | DRAWN: DWB
CHECKED: BMA | CHECKED: JMH

INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTION
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	BOONE 61
VERTICAL SCALE	DESIGNATION
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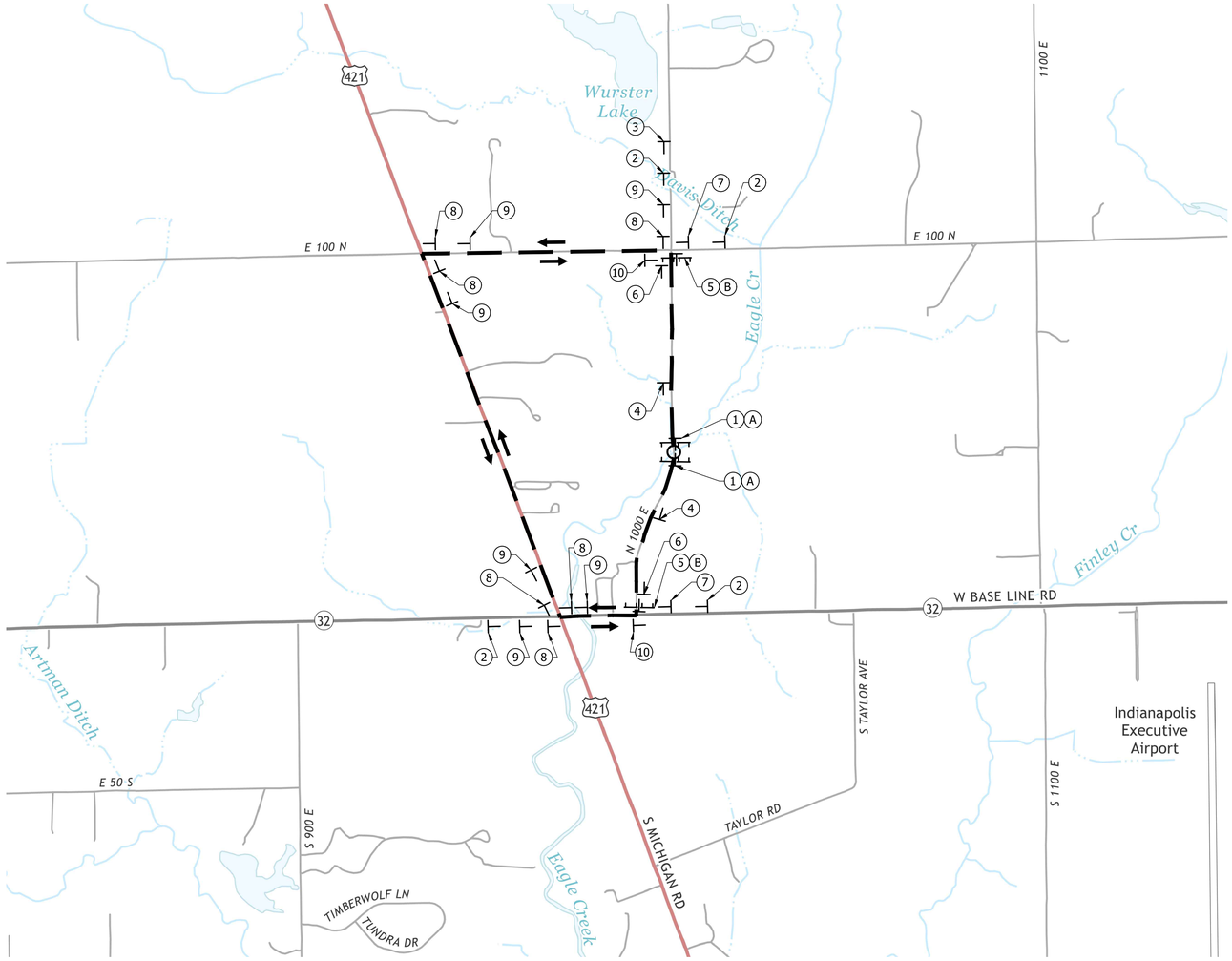
S:\2020Proj\2020-4506 Boone Br 61\Drawings\Bridge\Bridge Plans\2020-4506 Typical Cross Sections.dwg, 10/5/2023 12:42:45 PM, DWG To PDF.pc3

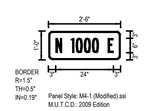


DETOUR ROUTE
Scale: 1" = 1000'

TYPE OF SIGN	QUANTITY	PAY ITEM
ROAD CLOSURE SIGN ASSEMBLY	4 Each	801-04308
DETOUR ROUTE MARKER ASSEMBLY	16 Each	801-06625
CONSTRUCTION SIGN TYPE A	9 Each	801-06640
BARRICADE, III-A	48 Lft.	801-07118
BARRICADE, III-B	72 Lft.	801-07119
MAINTAINING TRAFFIC	1 LSUM	801-06775

LEGEND	DESCRIPTION		SIZE	TYPE	NO.
1	ROAD CLOSED	R11-2	48" X 30"	Road Closure Assembly	2
2	DETOUR AHEAD	XW20-2	36" X 36"	A	4
3	ROAD CLOSED AHEAD	XW20-3	36" X 36"	A	1
4	ROAD CLOSED 1000'	XW20-3 (1000')	36" X 36"	A	2
5	ROAD CLOSED TO THRU TRAFFIC	R11-4	60" X 30"	Road Closure Assembly	2
	DETOUR	XM4-10 (L or R)	48" X 18"		2
6	ROAD CLOSED ON OR AFTER X / X / XX	XG20-5	60" X 36"	A	2
7	DETOUR NORTH SOUTH N 1000 E	XM4-8 M3-1 or M3-3 M4-1(mod) (N 1000 E) M6-3	24" X 12" 24" X 12" 30" x 12" 21" X 15"	Detour Route Assembly	2
8	DETOUR NORTH SOUTH N 1000 E	XM4-8 M3-1 or M3-3 M4-1(mod) (N 1000 E) M6-1 (L or R)	24" X 12" 24" X 12" 30" x 12" 21" X 15"	Detour Route Assembly	6
9	DETOUR NORTH SOUTH N 1000 E	XM4-8 M3-1 or M3-3 M4-1(mod) (N 1000 E) M5-1 (L or R)	24" X 12" 24" X 12" 30" x 12" 21" X 15"	Detour Route Assembly	6
10	END DETOUR N 1000 E	XM4-6 XM4-8 M4-1(mod) (N 1000 E) M5-1 (L or R) or M6-3	24" X 12" 24" X 12" 30" x 12" 21" X 15"	Detour Route Assembly	2
A	TYPE III-A BARRICADE		12'		48
B	TYPE III-B BARRICADE		12'		72

SIGN DETAIL
1:30



SIGN NUMBER	M4-1(Mod)
WIDTH x HGHT.	2'-6" x 1'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT

Panel Style: M4-1 (Modified).ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

																				LENGTH	SERIES/SIZE
N		1	0	0	0		E														B 2000
3	5.6	9.4	11.4	14.8	18.1	20.9	24.7													24	6

LEGEND

⊤ Construction Sign

Type III Barricade

NOT FOR CONSTRUCTION

DESIGNED: JMH	DRAWN: BDC
CHECKED: BMA	CHECKED: JMH

INDIANA
DEPARTMENT OF TRANSPORTATION

DETOUR ROUTE

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	BOONE 61
VERTICAL SCALE	DESIGNATION
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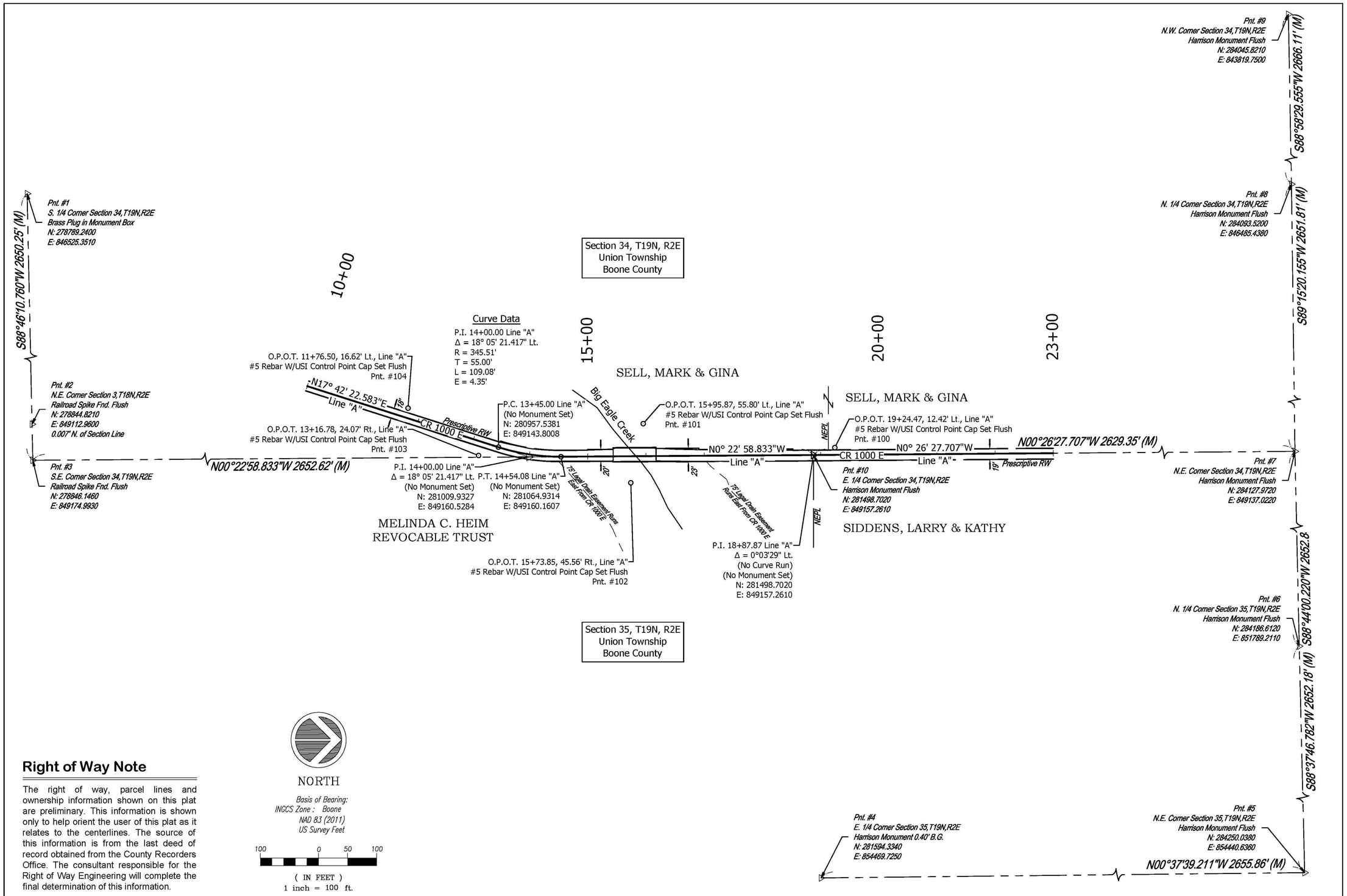

USI #2020-4506

Right of Way Note

The right of way, parcel lines and ownership information shown on this plat are preliminary. This information is shown only to help orient the user of this plat as it relates to the centerlines. The source of this information is from the last deed of record obtained from the County Recorders Office. The consultant responsible for the Right of Way Engineering will complete the final determination of this information.

SURVEY STARTED	11/18/2022
SURVEY COMPLETED	12/01/2022
ROUTE PLAT SHEETS	1 OF 2

SURVEYOR STATEMENT

This survey, to the best of my knowledge and belief, is executed according to the provisions of Title 865 IAC 1-12-20 through 1-12-26 regarding Route Surveys, except that any data shown regarding the location or description of the existing parcels is not a part of this survey.

MARK A. SCHEPERS REGISTERED No. LS 29500001 STATE OF INDIANA LAND SURVEYOR

AFFIRMATION STATEMENT

I affirm, under the penalties for perjury, that I have taken reasonable care to redact each Social Security number in this document, unless required by law. By: Mark A. Schepers

RECOMMENDED FOR APPROVAL AND PREPARED BY:

SIGNATURE MARK A. SCHEPERS, PS — DATE 01/06/2023

USI consultants
8415 East 56th St.
Indianapolis, IN 46216
PH. 317.544.4996
FAX 317.544.4997

2023000586 SURL $30.00
01/20/2023 10:12:34A 2 PGS
Deborah S. Ottinger
Boone County Recorder IN
Recorded as Presented

Book 25 pg 54-55

CR 1000 E OVER BIG EAGLE CREEK
BRIDGE REPLACEMENT

LOCATION CONTROL ROUTE SURVEY

HORIZONTAL SCALE	1" = 100'
BRIDGE FILE	BOONE 61
COUNTY	BOONE
DESIGNATION	2101727
SURVEY BOOK	
PLAN SHEETS	5 OF 28
CONTRACT	B-44244
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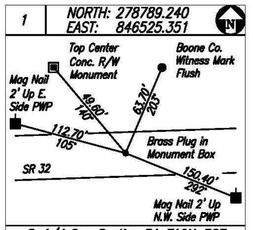
Section Corner and Control Point References



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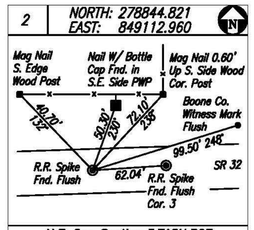

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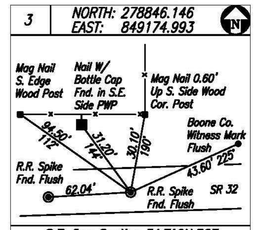

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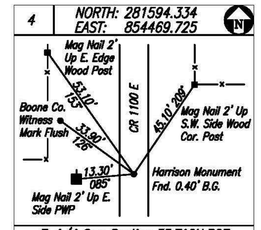

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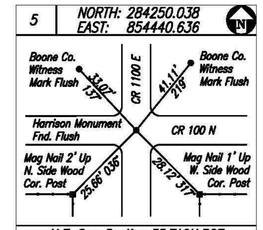

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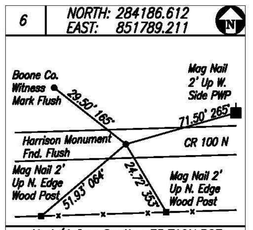

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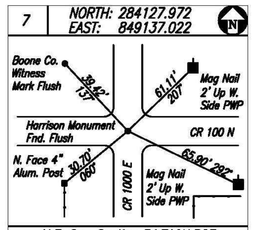

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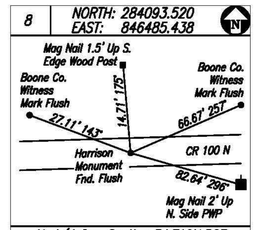

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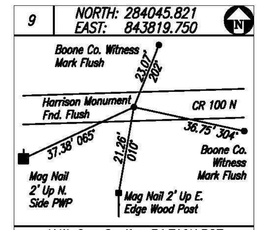

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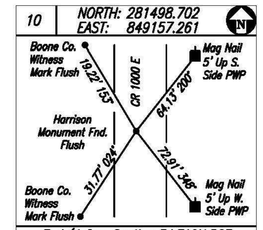

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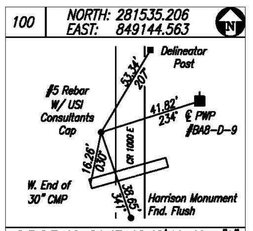
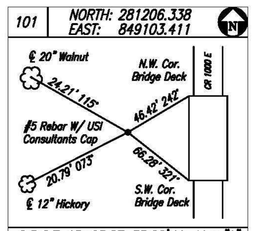
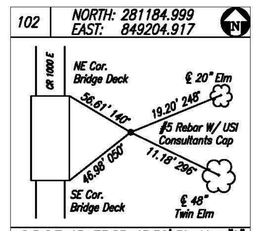


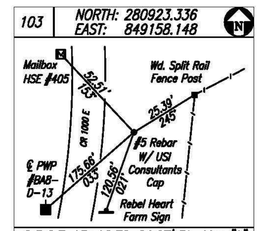
O.P.O.T. 19+24.47, 12.42' Lt., Line "A"



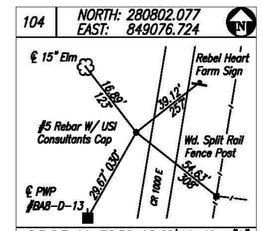
O.P.O.T. 15+95.87, 55.80' Lt., Line "A"



O.P.O.T. 15+73.85, 45.56' Rt., Line "A"



O.P.O.T. 13+16.78, 24.07' Rt., Line "A"

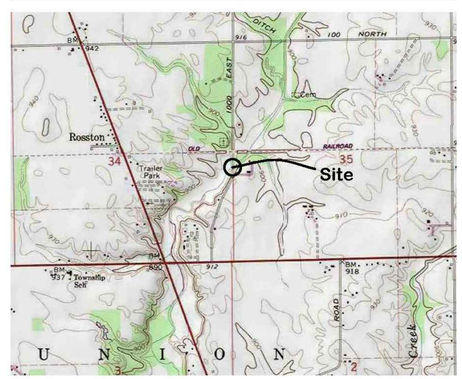


O.P.O.T. 11+76.50, 16.62' Lt., Line "A"

Point Data Table

Point #	Station	Type	InGCS Northing	InGCS Easting	Latitude	Longitude
1	S. 1/4 Corner Section 34,T19N,R2E	Brass Plug in Monument Box	278789.2400	846525.3510	40°02'27.1867"	-86°17'19.8333"
2	N.E. Corner Section 3,T18N,R2E	Railroad Spike Fnd. Flush	278844.8210	849112.9600	40°02'27.6739"	-86°16'46.5632"
3	S.E. Corner Section 34,T19N,R2E	Railroad Spike Fnd. Flush	278846.1460	849174.9930	40°02'27.6855"	-86°16'45.7656"
4	E. 1/4 Corner Section 35,T19N,R2E	Harrison Monument 0.40' B.G.	281594.3340	854469.7250	40°02'54.7075"	-86°15'37.5973"
5	N.E. Corner Section 35,T19N,R2E	Harrison Monument Flush	284250.0380	854440.6360	40°03'20.9514"	-86°15'37.8795"
6	N. 1/4 Corner Section 35,T19N,R2E	Harrison Monument Flush	284186.6120	851789.2110	40°03'20.3937"	-86°16'11.9778"
7	N.E. Corner Section 34,T19N,R2E	Harrison Monument Flush	284127.9720	849137.0220	40°03'19.8806"	-86°16'46.0857"
8	N. 1/4 Corner Section 34,T19N,R2E	Harrison Monument Flush	284093.5200	846485.4380	40°03'19.6036"	-86°17'20.1848"
9	N.W. Corner Section 34,T19N,R2E	Harrison Monument Flush	284045.8210	843819.7500	40°03'19.1933"	-86°17'54.4657"
10	E. 1/4 Corner Section 34,T19N,R2E	Harrison Monument Flush	281498.7020	849157.2610	40°02'53.8981"	-86°16'45.9091"
100	O.P.O.T. 19+24.47, 12.42' Lt., Line "A"	#5 Rebar W/USI Control Point Cap Set Flush	281535.2060	849144.5630	40°02'54.2591"	-86°16'46.0713"
101	O.P.O.T. 15+95.87, 55.80' Lt., Line "A"	#5 Rebar W/USI Control Point Cap Set Flush	281206.3380	849103.4110	40°02'51.0103"	-86°16'46.6109"
102	O.P.O.T. 15+73.85, 45.56' Rt., Line "A"	#5 Rebar W/USI Control Point Cap Set Flush	281184.9990	849204.9170	40°02'50.7969"	-86°16'45.3064"
103	O.P.O.T. 13+16.78, 24.07' Rt., Line "A"	#5 Rebar W/USI Control Point Cap Set Flush	280923.3360	849158.1480	40°02'48.2124"	-86°16'45.9161"
104	O.P.O.T. 11+76.50, 16.62' Lt., Line "A"	#5 Rebar W/USI Control Point Cap Set Flush	280802.0770	849076.7240	40°02'47.0161"	-86°16'46.9669"

Vicinity Map (N.T.S.)



Surveyor's Report

Located in Sections 34 and 35, Township 19 North, Range 2 East, in Union Township, in Boone County.

The purpose of this survey is to collect data for the preparation of construction and right of way plans. This is not a property retracement survey. Any apparent property, subdivision, or easement lines or corners are based on the last deeds of record obtained from the County Recorder's Office. These lines in no way represent property, subdivision, or easement lines that could be determined from a retracement property survey. They are preliminary and should not be used to represent a retracement property survey. No monuments were set to represent the same. In addition, any monuments depicted on this plat indicated as being found or set should be used only for the above stated purpose.

Field measurements for this survey were in accordance with the specifications outlined in IAC 865 1-14. Measurements are shown to the nearest 0.01 feet, coordinates to the nearest 0.0001 feet, and the bearings to the 0.001 seconds, not to indicate the precision of the work, but to allow for closure and adjustment by others if desired. Units are US Survey Feet unless otherwise noted.

Horizontal Control

The horizontal control for this project is based on the Indiana Geospatial Coordinate System (InGCS), Boone Zone, North American Datum of 1983,(2011) EPOCH 2010.0, US Survey Feet. Said system was ascertained by Real Time Kinematic (RTK) GPS observations from Trimble's VRS NOW Continually Operating Reference System (www.vrsnow.us). This system will govern the project for design, right of way computations and layout. Geometric datum and map projection parameters for this InGCS Zone are as follows:

Coordinate System : Indiana Geospatial Coordinate System
Zone : Boone
Datum : NAD 83 (2011) EPOCH 2010.0
Ellipsoid Name : GRS 80
Geoid Model : Geoid18

Zone Parameters
Latitude of Grid Origin : 39°36'00"N
Longitude of Grid Origin : 86°30'00"W
Central Meridian S.F. : 1.000036
False northing offset : 118110
False easting offset : 787400

The Trimble VRS NOW's RTK Systems continuously operating reference stations (CORS) were used to measure dual RTK vectors on all control points and section corners. These dual vectors were compared and adjusted using Trimble Business Center software.

Reference Monumentation:
Control Points - See references and Point Data Table - Estimated relative positional accuracy of these points due to random errors in the measurement or staking of these monuments is +/- 0.10 feet.

Section Corners - See Section Corner Detail and References - Estimated relative positional accuracy of these points due to random errors in the measurement of these monuments is +/- 0.10 feet.

The following corners were found per information found in the Office of the County Surveyor. Lacking obvious evidence to the contrary, these monuments were held as prima facie evidence of the respective corners with negligible uncertainty.

1 - S. 1/4 Cor. Sec. 34, T19N, R2E - Brass Plug in Monument Box.
2 - N.E. Cor. Sec. 3, T18N, R2E - Railroad Spike Found Flush with Surface
3 - S.E. Cor. Sec. 34, T19N, R2E - Railroad Spike Found Flush with Surface
4 - E. 1/4 Cor. Sec. 35, T19N, R2E - Harrison Monument Found 0.40' B.G.
5 - N.E. Cor. Sec. 35, T19N, R2E - Harrison Monument Found Flush with Surface
6 - N. 1/4 Cor. Sec. 35, T19N, R2E - Harrison Monument Found Flush with Surface
7 - N.E. Cor. Sec. 34, T19N, R2E - Harrison Monument Found Flush with Surface
8 - N. 1/4 Cor. Sec. 34, T19N, R2E - Harrison Monument Found Flush with Surface
9 - N.W. Cor. Sec. 34, T19N, R2E - Harrison Monument Found Flush with Surface
10 - E. 1/4 Cor. Sec. 34, T19N, R2E - Harrison Monument Found Flush with Surface

Alignments:

Alignment "A" was established based on a best fit tangent from P.O.T. 10+00 to P.I. 14+00 and on the section line from P.I. 14+00 to P.I. 18+87.87 (Point #10), to P.O.T. 23+00.

Right of Way:

No Right of Way grants were discovered, therefore the Right of Way is also shown as being a Prescriptive Right of Way following the edge of pavement at even foot intervals.

The right of way, parcel lines and ownership information shown on this plat are preliminary. This information is shown only to help orient the user of this plat as it relates to the centerlines. The source of this information is from the last deed of record obtained from the County Recorders Office as well as the above-mentioned plans. The consultant responsible for the Right of Way Engineering will complete the final determination of this information.

USI #2020-4506

SURVEY STARTED		
11/18/2022		
SURVEY COMPLETED		
12/01/2022		
ROUTE PLAT SHEETS		
2	OF	2

SURVEYOR STATEMENT

This survey, to the best of my knowledge and belief, is executed according to the provisions of Title 865 IAC 1-12-20 through 1-12-26 regarding Route Surveys, except that any data shown regarding the location or description of the existing parcels is not a part of this survey.

MARK A. SCHEPERS REGISTERED No. LS 29500001 STATE OF INDIANA LAND SURVEYOR

AFFIRMATION STATEMENT

I affirm, under the penalties for perjury, that I have taken reasonable care to redact each Social Security number in this document, unless required by law. By: Mark A. Schepers

RECOMMENDED FOR APPROVAL AND PREPARED BY:

SIGNATURE 01/06/2023
MARK A. SCHEPERS, PS DATE

consultants
8415 East 56th St.
Indianapolis, IN 46216
PH. 317.544.4996
FAX 317.544.4997

2023000586 SURL $30.00
01/20/2023 10:12:34A 2 PGS
Deborah S. Ottinger
Boone County Recorder IN
Recorded as Presented

Book 25 pg 54-55

CR 1000 E OVER BIG EAGLE CREEK
BRIDGE REPLACEMENT

LOCATION CONTROL ROUTE SURVEY

HORIZONTAL SCALE	BRIDGE FILE
NTS	BOONE 61
COUNTY	DESIGNATION
BOONE	2101727
SURVEY BOOK	PLAN SHEETS
	6 OF 28
CONTRACT	PROJECT
B-44244	2101727

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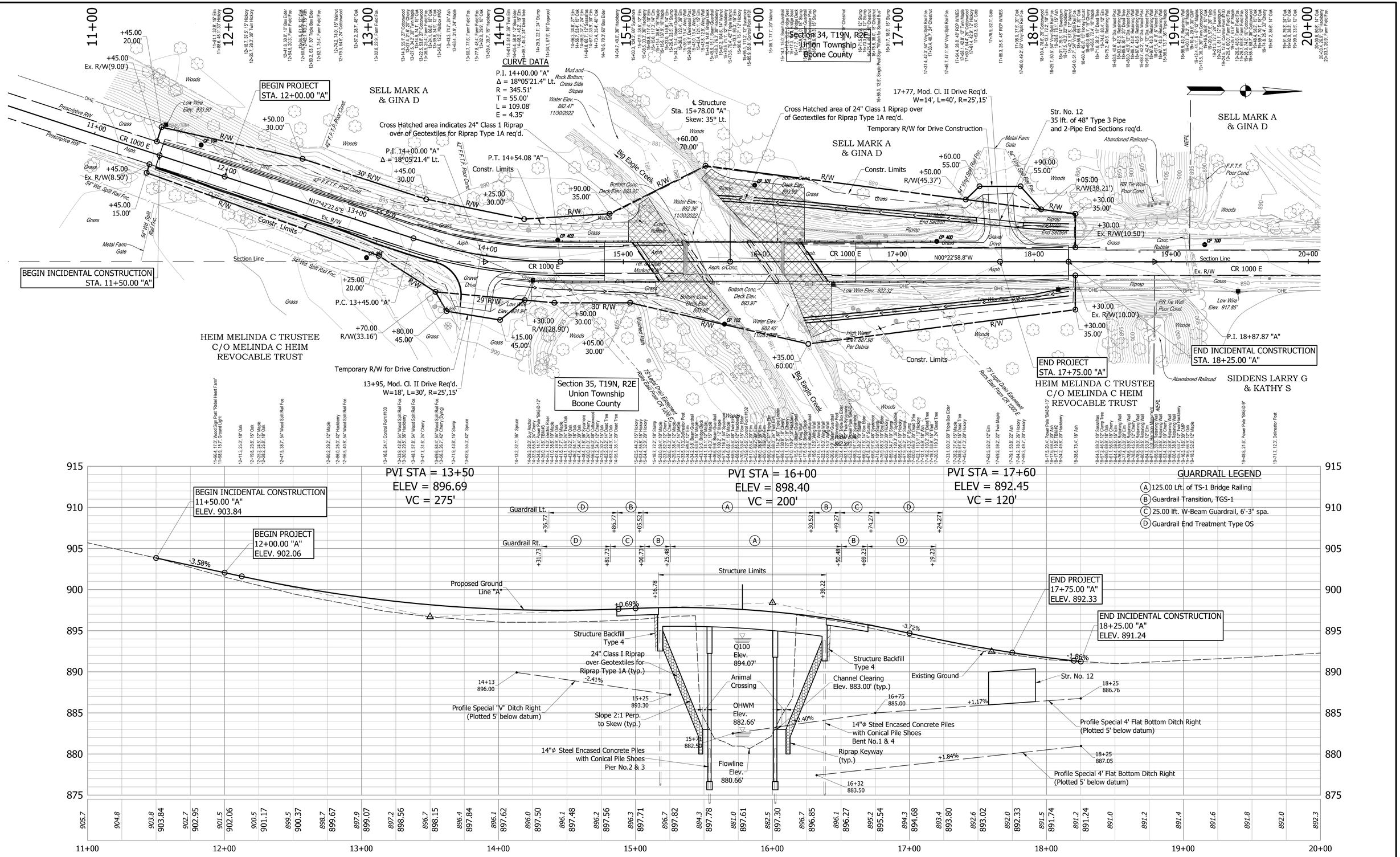

NOT FOR CONSTRUCTION

DESIGNED: JMH	DRAWN: DWB
CHECKED: BMA	CHECKED: JMH

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN PROFILE
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	BOONE 61
VERTICAL SCALE	DESIGNATION
1"=5'	2101727

SURVEY BOOK	SHEETS
	7 of 28
CONTRACT	PROJECT
B-44244	2101727

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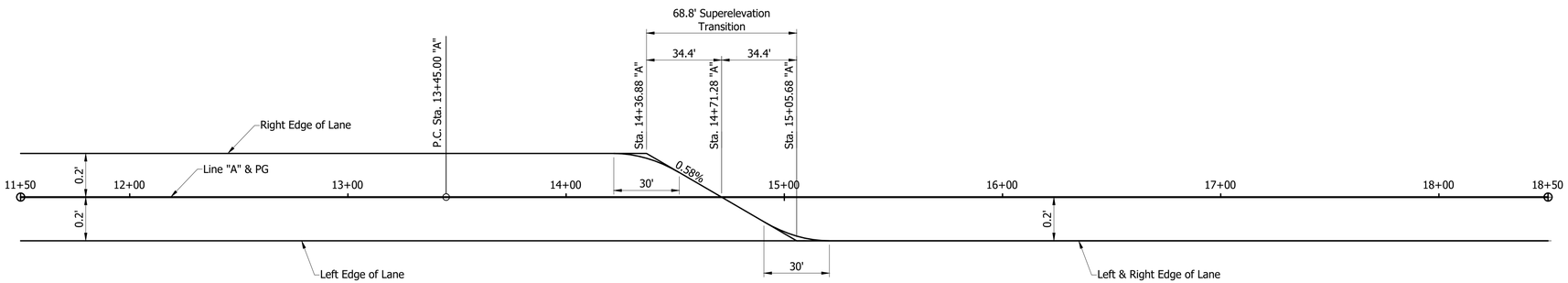

CURVE DATA

P.I. 14+00.00 "A"
Δ = 18°05'21.4" Lt.
R = 345.51'
E = 2%
Gmax = 0.58%

NOT FOR CONSTRUCTION

DESIGNED: JMH
DRAWN: DWB
CHECKED: BMA
CHECKED: JMH

INDIANA
DEPARTMENT OF TRANSPORTATION

SUPERELEVATION TRANSITION DIAGRAM
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	BOONE 61
VERTICAL SCALE	DESIGNATION
1"=0.3'	2101727
SURVEY BOOK	SHEETS
	8 of 28
CONTRACT	PROJECT
B-44244	2101727

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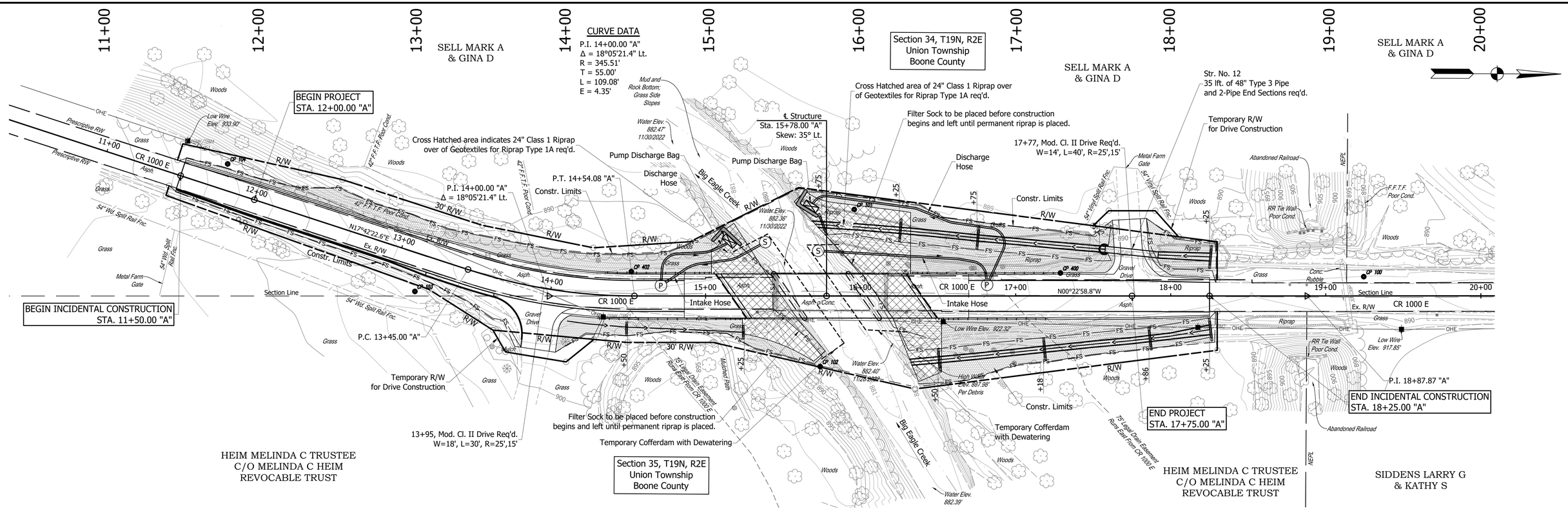

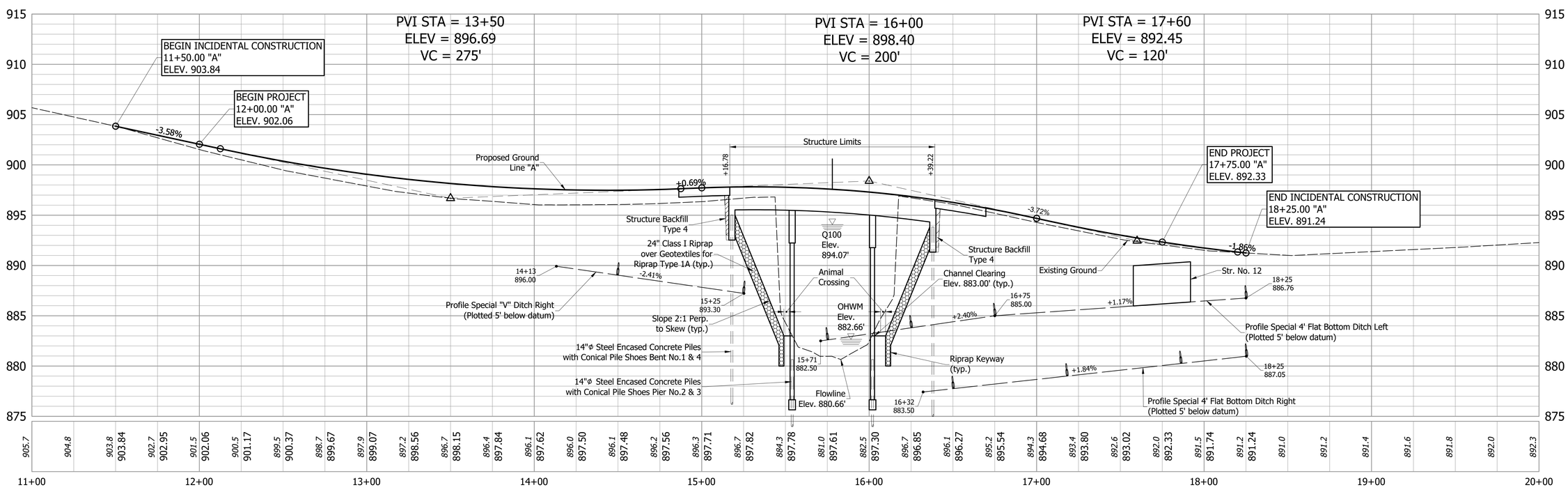

LEGEND

- FS — Filter Sock
- Temporary Check Dam, Traversable
- Temporary Inlet/Outlet Protection, Filter Sock
- (P) Dewatering Pump
- (S) Sump Hole
- Pump Discharge Bag
- Temporary Diversion
- Modified Check Dam
- Permanent Turf Reinforcing Mat, with Seeding Type "R" (Manufactured Surface Protection Product)

NOTES:

For Notes, Dewatering Detail and Quantities see Sheet No. 10.

NOT FOR CONSTRUCTION

DESIGNED: BDC	DRAWN: BDC
CHECKED: BMA	CHECKED: JMH

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	BOONE 61
VERTICAL SCALE	DESIGNATION
1" = 5'	2101727
SURVEY BOOK	SHEETS
	9 of 28
CONTRACT	PROJECT
B-44244	2101727

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TEMPORARY EROSION AND SEDIMENT CONTROL TABLE

LOCATION STATION TO STATION	LT./RT.	Temporary Check Dam, Traversable	Temporary Geotextiles	Temporary Inlet Protection, (Filter Sock)	Filter Sock	Sediment, Remove	Manufactured Surface Protection Product
Sta. 11+46 to Sta. 15+11 "A"	LT.				364 Lft.	5.4 Cys.	
Sta. 11+46 to Sta. 13+85 "A"	RT.				254 Lft.	3.8 Cys.	
Sta. 11+50 to Sta. 15+17 "A"	LT.						425 Sys.
Sta. 14+08 to Sta. 15+75 "A"	RT.				182 Lft.	2.7 Cys.	
Sta. 14+08 to Sta. 15+77 "A"	RT.						200 Sys.
Sta. 14+50 "A"	RT.	24 Lft.	4 Sys.			0.6 Cys.	
Sta. 15+21 Lt. to Sta. 15+75 Rt "A"	Along S. Bank				100 Lft.	1.5 Cys.	
Sta. 15+25 "A"	RT.	24 Lft.	4 Sys.			0.6 Cys.	
Sta. 15+53 to Sta. 17+63 "A"	LT.						570 Sys.
Sta. 15+65 to Sta. 17+60 "A"	LT.				215 Lft.	3.2 Cys.	
Sta. 15+75 "A"	LT.	41 Lft.	7 Sys.			1.9 Cys.	
Sta. 15+78 to Sta. 17+59 "A"	LT.				191 Lft.	2.8 Cys.	
Sta. 15+78 Lt. to Sta. 16+42 Rt. "A"	Along N. Bank				100 Lft.	1.5 Cys.	
Sta. 16+25 "A"	LT.	41 Lft.	7 Sys.			1.9 Cys.	
Sta. 16+26 to Sta. 18+28 "A"	RT.				214 Lft.	3.2 Cys.	
Sta. 16+37 to Sta. 18+25 "A"	RT.				191 Lft.	2.8 Cys.	
Sta. 16+38 to Sta. 18+25 "A"	RT.						578 Sys.
Sta. 16+50 "A"	RT.	41 Lft.	7 Sys.			1.6 Cys.	
Sta. 16+75 "A"	LT.	41 Lft.	7 Sys.			1.3 Cys.	
Sta. 17+18 "A"	RT.	41 Lft.	7 Sys.			1.6 Cys.	
Sta. 17+54 "A"	LT.			15 Lft.		1.5 Cys.	
Sta. 17+84 to Sta. 18+29 "A"	LT.				55 Lft.	0.8 Cys.	
Sta. 17+84 to Sta. 18+29 "A"	LT.				74 Lft.	1.1 Cys.	
Sta. 17+85 to Sta. 18+25 "A"	LT.						421 Sys.
Sta. 17+86 "A"	RT.	41 Lft.	7 Sys.			1.6 Cys.	
Sta. 18+25 "A"	RT.	41 Lft.	7 Sys.			1.6 Cys.	
Sta. 18+25 "A"	LT.	41 Lft.	7 Sys.			1.3 Cys.	
TOTALS		376 Lft.	64 Sys.	15 Lft.	1940 Lft.	40.3 Cys.	1894 Sys.

NOTES:

All erosion control measures shall be installed in accordance with INDOT Std. Dwg. E 205-TECD-01 through 12.

At least 50% of the waterway opening should be maintained at all times. Phased construction techniques may be required.

The Contractor shall design, furnish, install, test, operate, monitor and maintain a dewatering system of sufficient scope, size, and capacity to prevent water flow into excavations and allow water and construction operations to proceed on dry, stable subgrades.

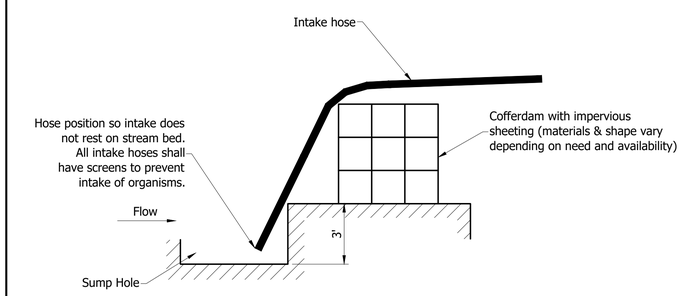
The contractor will be responsible to submit a plan for protecting the waterway during construction activities. No construction debris shall enter the waterway. The contractor will maintain a clean worksite throughout construction.

Perimeter protection shall be installed prior to land disturbance activities. For Temporary Erosion Control Perimeter Construction Entrance, see Standard Dwg. E205-TECP-01.

Disturbed areas shall be stabilized within 14 days of inactivity. Disturbed areas shall be restored to their existing conditions prior to the completion of the project.

Contractor to determine method for cofferdam construction and dewatering. Revisions to the erosion control details may require the contractor to submit any revisions to the appropriate jurisdictional agency. The contractor is responsible for adhering to the local, state and federal permit conditions as included in the contract documents. Any deviations from the permit conditions will be the responsibility of the contractor to coordinate with the appropriate regulatory agency at no cost or delay to the project.

For Erosion Control Plan and Profile see Sheet No. 9.



COFFERDAM/SUMP HOLE WORK AREA

No Scale

1. Pump around shall be left in place for 30 days, or until construction in waterway is complete.
2. All temporary impacted areas shall be restored to the existing conditions upon completion of the project.

LEGEND

- FS — Filter Sock
- Temporary Check Dam, Traversable
- Temporary Inlet/Outlet Protection
- (P) Dewatering Pump
- (S) Sump Hole
- Pump Discharge Bag
- Temporary Diversion
- Modified Check Dam
- Temporary Inlet Protection (Filter Bag Insert)
- Permanent Turf Reinforcing Mat, with Seeding Type "R" (Manufactured Surface Protection Product)

NOT FOR CONSTRUCTION

DESIGNED: BDC	DRAWN: BDC
CHECKED: BMA	CHECKED: JMH

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	BOONE 61
VERTICAL SCALE	DESIGNATION
AS NOTED	2101727

SURVEY BOOK	SHEETS		
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CONTRACT	PROJECT		
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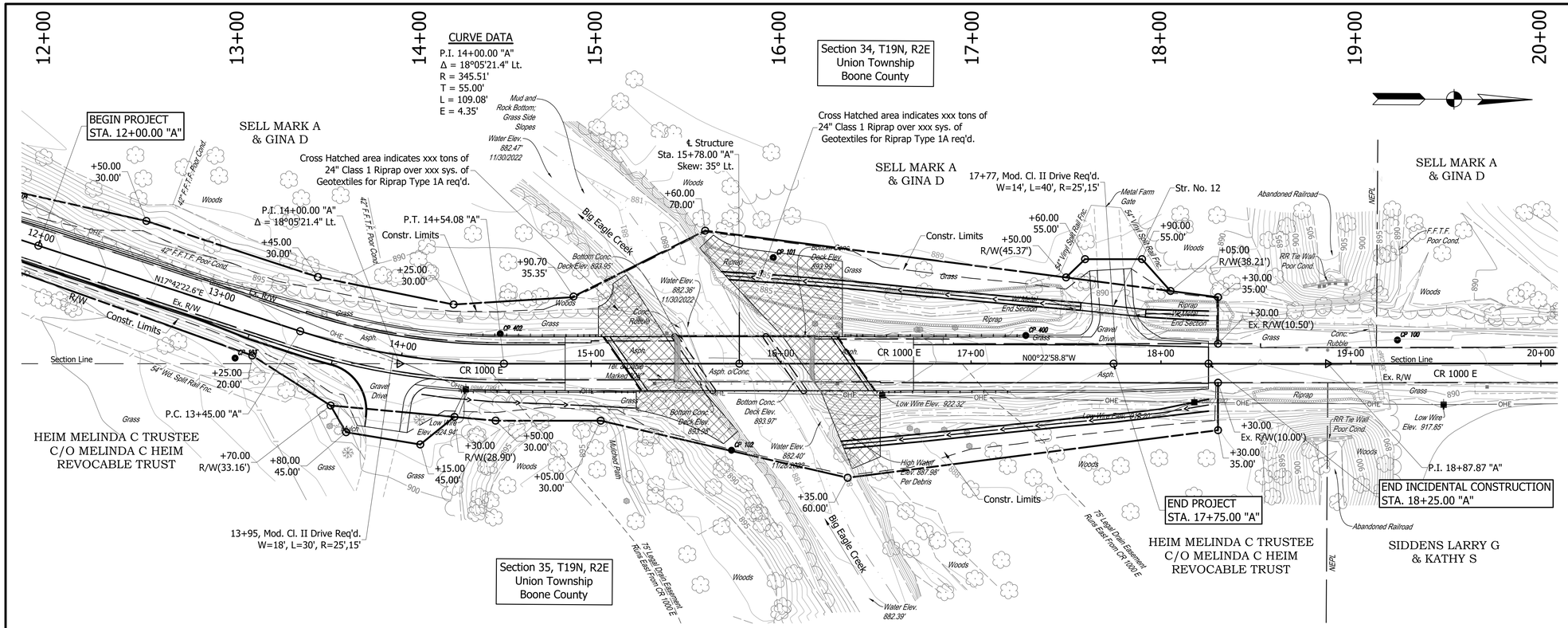
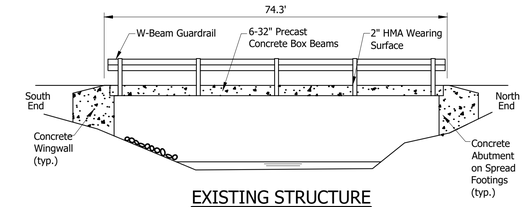
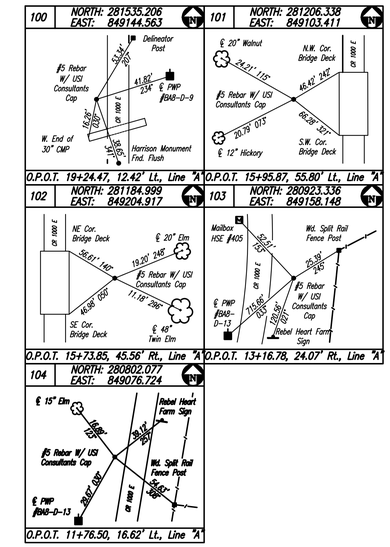
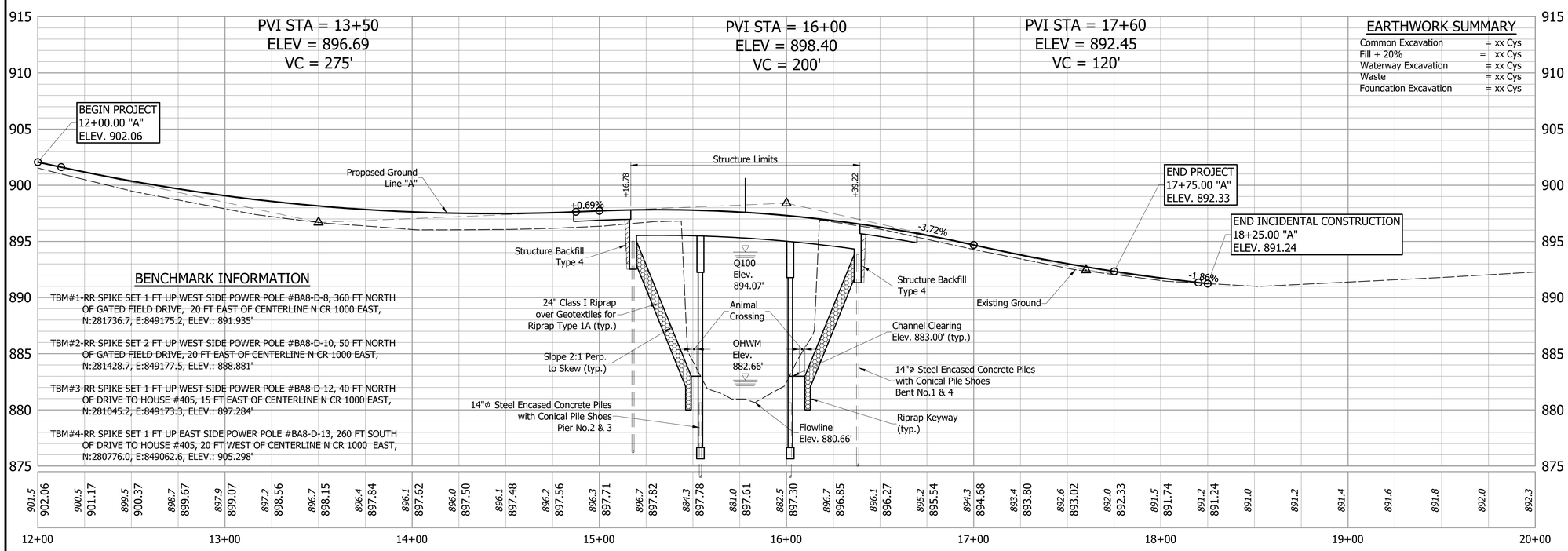




EXISTING STRUCTURE

One Span Precast Box Beam Bridge
(Structure to be Removed)
Not to Scale





EARTHWORK SUMMARY

Common Excavation	= xx Cys
Fill + 20%	= xx Cys
Waterway Excavation	= xx Cys
Waste	= xx Cys
Foundation Excavation	= xx Cys

BENCHMARK INFORMATION

TBM#1-RR SPIKE SET 1 FT UP WEST SIDE POWER POLE #BA8-D-8, 360 FT NORTH OF GATED FIELD DRIVE, 20 FT EAST OF CENTERLINE N CR 1000 EAST, N:281736.7, E:849175.2, ELEV.: 891.935'

TBM#2-RR SPIKE SET 2 FT UP WEST SIDE POWER POLE #BA8-D-10, 50 FT NORTH OF GATED FIELD DRIVE, 20 FT EAST OF CENTERLINE N CR 1000 EAST, N:281428.7, E:849177.5, ELEV.: 888.881'

TBM#3-RR SPIKE SET 1 FT UP WEST SIDE POWER POLE #BA8-D-12, 40 FT NORTH OF DRIVE TO HOUSE #405, 15 FT EAST OF CENTERLINE N CR 1000 EAST, N:281045.2, E:849173.3, ELEV.: 897.284'

TBM#4-RR SPIKE SET 1 FT UP EAST SIDE POWER POLE #BA8-D-13, 260 FT SOUTH OF DRIVE TO HOUSE #405, 20 FT WEST OF CENTERLINE N CR 1000 EAST, N:280776.0, E:849062.6, ELEV.: 905.298'

HYDRAULIC DATA

Drainage Area:	26.74 sq. miles
Q100	7716.0 cfs
Q100 Elevation	894.07 ft.

DESCRIPTION	Existing Structure	Proposed Structure
Q100 Backwater:	0.72 ft.	0.47 ft.
Q100 Headwater Elevation:	894.67 ft.	894.43 ft.
Gross Waterway Area below Q100:	643.01 sq. ft.	756.59 sq. ft.
Road Overflow Waterway Area:	1242.09 sq. ft.	1031.33 sq. ft.
Q100 Velocity:	6.00 ft./sec.	6.12 ft./sec.
Minimum Low Structure Elevation:	893.92 ft.	894.07 ft.
Skew:	0.0 degrees	35.0 degrees
Freeboard:	0.0 ft.	0.0 ft.
Flowline Elevation:	N/A	880.66 ft.
Q100 Max.Velocity:	N/A	9.36 ft./sec.
Q100 Contraction Scour Depth:	N/A	5.57 ft.
Q100 Pier Scour Depth:	N/A	4.80 ft.
Q100 Total Scour:	N/A	10.37 ft.
Q100 Low Scour Elevation:	N/A	870.52 ft.
QLOW Discharge:	N/A	3130.00 cfs
QLOW Natural Water Surface Elev.:	N/A	890.48 ft.
QLOW Max.Velocity:	N/A	9.02 ft./sec.
QLOW Contraction Scour Depth:	N/A	7.44 ft.
QLOW Pier Scour Depth:	N/A	4.80 ft.
QLOW Total Scour:	N/A	12.24 ft.
QLOW Low Scour Elevation:	N/A	868.65 ft.

CONTINUOUS REINCORCED CONCRETE SLAB BRIDGE

THREE SPANS: 36'-0", 48'-0", 36'-0", SKEW 35° LT.
28'-0 3/4" CLEAR ROADWAY WIDTH
C.R. 1000 EAST OVER BIG EAGLE CREEK
BOONE COUNTY, INDIANA

NOT FOR CONSTRUCTION

DESIGNED: JMH DRAWN: DWB
CHECKED: BMA CHECKED: JMH

INDIANA
DEPARTMENT OF TRANSPORTATION

LAYOUT

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	BOONE 61
VERTICAL SCALE	DESIGNATION
1"=5'	2101727
SURVEY BOOK	SHEETS
	11 of 28
CONTRACT	PROJECT
B-44244	2101727

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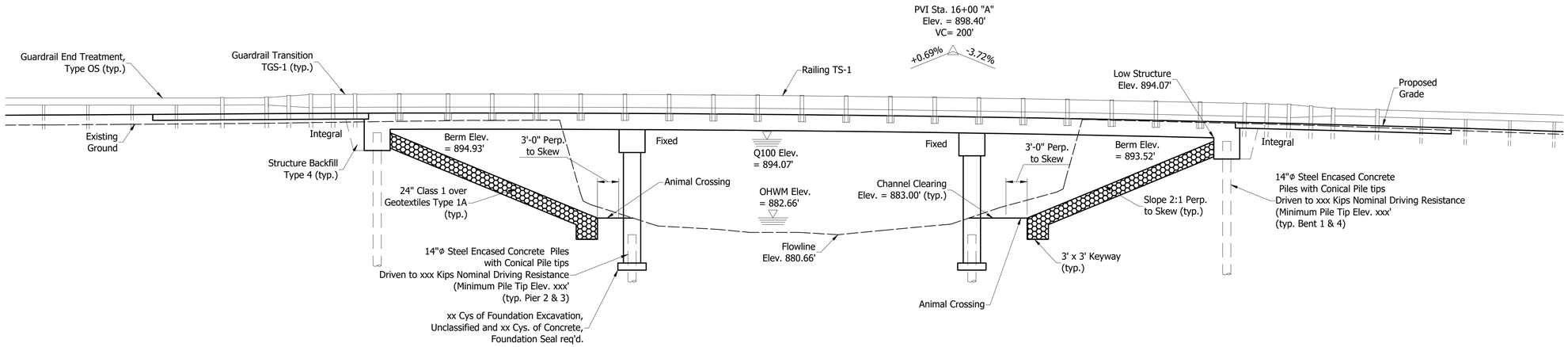
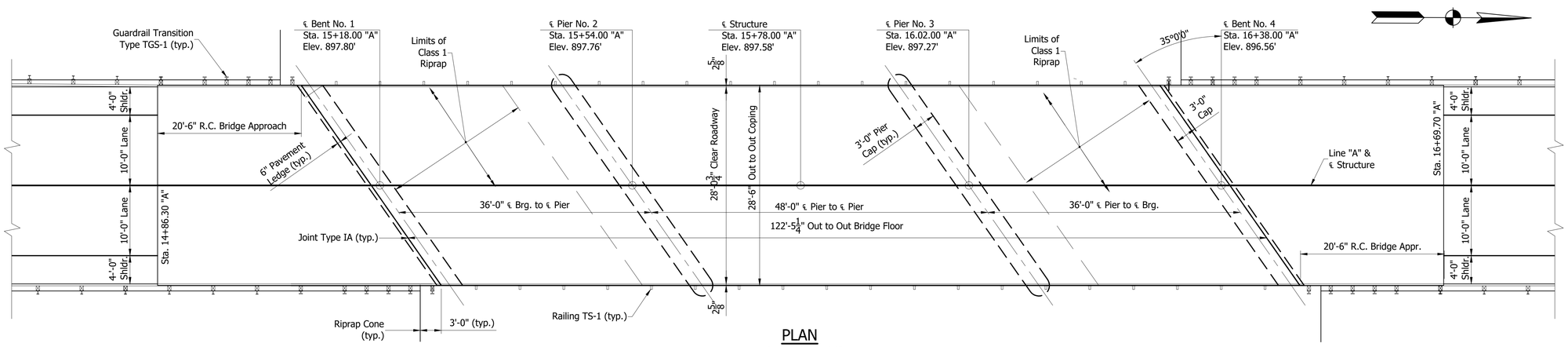


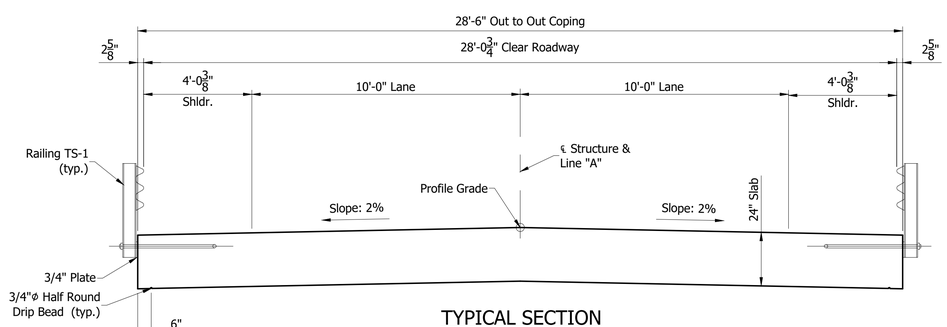
ELEVATION

Scale: 1/8" = 1'-0"



PLAN

Scale: 1/8" = 1'-0"



TYPICAL SECTION

Scale: 3/8"=1'-0"

DESIGN DATA

Superstructure and Substructure designed for HL-93 loading, in accordance with AASHTO LRFD Bridge Design Specifications, 9th Edition, 2020, and its subsequent Interim Specifications.

Designed for actual dead load plus 35#/sft. future wearing surface.

Slab designed with 1/2" wearing surface.

UNIT STRESSES:
Class "C" Concrete F'c = 4000 p.s.i.
Class "A" Concrete F'c = 3500 p.s.i.
Class "B" Concrete F'c = 3000 p.s.i.
Reinforcing Steel (Grade 60) Fy = 60,000 p.s.i.

GENERAL NOTES:

All dimensions are in feet and inches and all elevations are in feet unless otherwise noted.

Reinforcing steel covering shall be 2 1/2" in top and 1" min. in bottom of floor slabs, and 2" in all other parts, unless noted.

SEISMIC DESIGN DATA

Seismic Performance Zone	Zone 1
Acceleration Coefficient	S_{D1}=0.xxx
Seismic Soil Profile Type	Class x

CONTINUOUS REINFORCED CONCRETE SLAB BRIDGE

THREE SPANS @ 36'-0", 48'-0", 36'-0", SKEW 35° LT.
28'-0 3/4" CLEAR ROADWAY WIDTH
CR 1000 EAST OVER BIG EAGLE CREEK
BOONE COUNTY, INDIANA

NOT FOR CONSTRUCTION

DESIGNED: JMH	DRAWN: DWB
CHECKED: BMA	CHECKED: JMH

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	BOONE 61
VERTICAL SCALE	DESIGNATION
AS NOTED	2101727
SURVEY BOOK	SHEETS
	12 of 28
CONTRACT	PROJECT
B-44244	2101727

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SUMMARY OF BRIDGE QUANTITIES

ITEM	CONCRETE CLASS C SUPERSTR	CONCRETE CLASS A SUBSTR	CONCRETE CLASS B IN FTG.	CONCRETE CLASS A STRUCTURES	EPOXY COATED REINF. STEEL	REINF. STEEL	FIELD DRILLED HOLES IN CONCRETE	PILES 14"ø CONC. STEEL SHELL ENCASED		PILES TEST PILE DYNAMIC PRODUCTION 14"ø SEC		PILES TEST PILE INDICATOR RESTRIKE	PILES CONICAL PILE TIPS	PILES DYNAMIC PILE TEST LOAD	SURFACE SEAL **	SUBBASE FOR PCCP	EPOXY COATED THREADED TIE BAR ASSEMBLIES	BRIDGE RAILING TS-1	LONGITUDINAL GROOVING	GEOTEXTILES FOR PAVEMENT TYPE 2B	STRUCTURE BACKFILL 4	FOUNDATION EXCAVATION
	cys	cys	cys	cys	lbs.	lbs.	each	no.	lft.	no.	lft.	each	each	each	sft.	cys.	each	lft.	sys	sys	cys.	cys.
SUPERSTRUCTURE	XX				XX			XX	XX	1	XX	X	XX				XX	XX	XX		XX	
PIER NO. 2		XX	XX			XX		XX	XX	1	XX	X	XX									XX
PIER NO.3		XX	XX			XX		XX	XX	1	XX	X	XX									XX
SOUTH APPROACH SLAB					XX											XX			XX	XX		
NORTH APPROACH SLAB					XX											XX			XX	XX		
TOTALS	XX	XX	XX		XX	XX		38	3031	2	XX	X	XX			XX	XX	XX	XX	XX	XX	XX

** ESTIMATED QUANTITY

PAVEMENT QUANTITIES AND APPROACH TABLE

LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADII	DISTANCE BEYOND R/W LINE	SURFACE BEYOND R/W LINE COMPACTED AGGREGATE BASE	SURFACE BEYOND R/W LINE HMA	SURFACE BEYOND R/W LINE CONCRETE	GRADE 1	GRADE 2	CLEAR ZONE AT DRIVE	HMA FOR APPROACHES "A" SURFACE 9.5 mm		HMA FOR APPROACHES "A" INTERMD. 19.0 mm		HMA FOR APPROACHES "A" BASE 25.0 mm		HMA MATERIALS QC/QA-HMA, 3, 64 SURFACE 9.5 mm		HMA MATERIALS QC/QA-HMA, 2, 64 INTERMD. 19.0 mm		HMA MATERIALS QC/QA-HMA, 2, 64 BASE 19.0 mm		BITUMINOUS MATERIALS FOR PRIME COAT	BITUMINOUS MATERIALS FOR TACK COAT	COMPACTED AGGREGATE FOR BASE NO. 53 DEPTH (in.) 6"		GEOGRID TYPE 1B	SUBGRADE TREATMENT TYPE II	SUBGRADE TREATMENT TYPE IC	JOINT ADHESIVE SURFACE	JOINT ADHESIVE INTERMEDIATE	JOINT SEALANT
		ft.	ft.	ft.	ft.	tons	tons	sft.	%	%	ft.	lbs./syd.	tons	lbs./syd.	tons	lbs./syd.	tons	lbs./syd.	tons	lbs./syd.	tons	lbs./syd.	tons	syd	tons	syd	tons	syd	sys.	lft.	lft.	lft.	lft.
Sta. XX+XX to Sta. XX+XX "A"	Mainline																	165	XX	220	XX	330	XX		XX	XX				XX	XX	XX	XX
Sta. XX+XX to Sta. XX+XX "A"																																	
Sta. XX+XX "A"	Mod. Class II	XX	XX	25, 15								165	X	275	X										XX	XX			XX				
Sta. XX+XX "A"	Mod. Class II	XX	XX	25, 15								165	X	275	X										XX	XX			XX				
TOTALS													X		X				XX		XX		XX		XX	XX				XX	XX	XX	XX

APPROACH STRUCTURES

STRUCTURE NUMBER	LOCATION STATION	LOCATION LEFT	LOCATION RIGHT	LOCATION CROSS	SIZE	DESCRIPTION TYPE	DESCRIPTION KIND	LENGTH	SKEW	FLOW LINE COVER	FLOW LINE UP STREAM	FLOW LINE DOWN STREAM	BACKFILL TYPE	STRUCTURE BACKFILL	REVETMENT RIPRAP	CONCRETE CLASS "A"	PIPE END SECTION	AGGREGATE FOR END BENT BACKFILL	GEOTEXTILES	GRATED BOX END SECTION type	GRATED BOX END SECTION slope	CONNECT TO STR.	REMARKS
					inches			lft.		ft.	elev.	elev.		cys.	tons	cys.	ea.	cys.	sys.	type	slope		
12	XX+XX "A"	X			XX	2	XXXX	XX			XX	XX											

BENCHMARK

QTY.	LOCATION
1	SEE STANDARD SPECIFICATIONS

PIPE MATERIAL

	STRUCTURE NUMBER		12
	PIPE TYPE / SHAPE		1 / CIR
	SMOOTH PIPE SIZE		12"
	CORRUGATED PIPE SIZE		12"
	RCP / RCHEP (S)	CLASS	II
		$D^{0.01}$ RATING	1000
	NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)		X
	CORRUGATED PE PIPE, TYPE S (S) *		X
	RIBBED PE PIPE (S) *		X
	SMOOTH WALL PE PIPE (S)*/ MAXIMUM DR 26.00		X
	PROFILE WALL PVC PIPE (S)		X
	SMOOTH WALL PVC PIPE (S) *		
	VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)		X
CORRUGATED STEEL PIPE/ PIPE-ARCH LOCK SEAM	ZINC COATED (C)	CORR. PROFILE	
		THICKNESS	
	ZINC COATED W/ BPI (C)	CORR. PROFILE	
		THICKNESS	
	ALUM. COATED TYPE 2 (C)	CORR. PROFILE	
		THICKNESS	
	POLYMER PRECOATED GALVANIZED	CORR. PROFILE	
		THICKNESS	
	POLYMER PRECOATED GALVANIZED (C), TYPE 1A (S)	CORR. PROFILE	
		THICKNESS	
	POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE	
		THICKNESS	
	ZINC COATED W/ BPI (C)	CORR. PROFILE	
		THICKNESS	
	ALUMINUM COATED TYPE 2	CORR. PROFILE	
		THICKNESS	
	POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE	
		THICKNESS	
	CORRUGATED ALUM. ALLOY PIPE (C) (LS)	CORR. PROFILE	
		THICKNESS	
	CORRUGATED ALUM. ALLOY PIPE RIVETED	CORR. PROFILE	
		THICKNESS	
	CORRUGATED ALUM. ALLOY PIPE (C) (LS)	CORR. PROFILE	
		THICKNESS	
	CORRUGATED ALUM. ALLOY PIPE RIVETED	CORR. PROFILE	
		THICKNESS	
	CORRUGATED STEEL PIPE RIVETED ZINC COATED	CORR. PROFILE	
		THICKNESS **	
	CORRUGATED STEEL PIPE RIVETED W/BPI ZINC COATED	CORR. PROFILE	
		THICKNESS **	
	CORRUGATED ALUM. COATED RIVETED TYPE 2 PIPE	CORR. PROFILE	
		THICKNESS	
	CORRUGATED POLYMER PRECOATED GALVANIZED PIPE	CORR. PROFILE	
		THICKNESS	
	POLYMER PRECOATED GALVANIZED RIVITED (C)	CORR. PROFILE	
		THICKNESS	

GUARDRAIL SUMMARY TABLE

LOCATION FROM STATION	LOCATION TO STATION	LEFT	MEDIAN LEFT	MEDIAN RIGHT	RIGHT	GUARDRAIL, MGS, W-BEAM, 6' 3" POST SPACING	MODIFIED W-BEAM GUARDRAIL, 6.25 FT. SPA. (17' RAD.)	GUARDRAIL TRANSITION TGS-1	MOD. GUARDRAIL TRANSITION TGB 35' RADIUS	MOD. GUARDRAIL W-BEAM 35' RADIUS	GUARDRAIL END TREATMENT, TYPE OS	CURVED W-BEAM GUARDRAIL TERMINAL SYSTEM, TYPE S
						LFT	LFT	EACH	LFT	EACH	EACH	EACH
xx+xx	xx+xx	X						X			X	
xx+xx	xx+xx				X	X		X			X	
xx+xx	xx+xx	X				X		X			X	
xx+xx	xx+xx				X			X			X	
TOTALS												

MONUMENTS

STATION	OFFSET	LINE	TYPE B	TYPE C	SECTION CORNER MONUMENT	RIGHT-OF-WAY MONUMENT
XX+XX	XX' Lt.	"A"	X			
XX+XX	XX' Lt.	"A"	X			
XX+XX	XX' Lt.	"A"				1
XX+XX	XX' Lt.	"A"				1
XX+XX	XX' Lt.	"A"				1
XX+XX	XX' Lt.	"A"				1
XX+XX	XX' Lt.	"A"				1
XX+XX	XX' Rt.	"A"				1
XX+XX	XX' Rt.	"A"				1
XX+XX	XX' Rt.	"A"				1
XX+XX	XX' Rt.	"A"				1
TOTAL			2			8

PAVEMENT MARKINGS

DESCRIPTION	COLOR	LOCATION	LENGTH (Lft.)	PAY LENGTH (Lft.)
Line, Paint, Solid, 4"	Yellow	XX to XX "A" Lt. & Rt. of Centerline	X	X
		Total		X
Line, Paint, Solid, 4"	White	XX to XX "A" Lt Lane Line	X	X
	White	XX to XX "A" Rt Lane Line	X	X
		Total		X
Tranvserve Pavement Marking, Paint, 24"	White	XX "A" Rt.	X	X
		Total		X

NOT FOR CONSTRUCTION

DESIGNED: JMH DRAWN: DWB

CHECKED: BMA CHECKED: JMH

INDIANA
DEPARTMENT OF TRANSPORTATION

ROAD AND BRIDGE
SUMMARY

HORIZONTAL SCALE	BRIDGE FILE
NONE	BOONE 61
VERTICAL SCALE	DESIGNATION
NONE	2101727
SURVEY BOOK	SHEETS
	13 of 28
CONTRACT	PROJECT
B-44244	2101727

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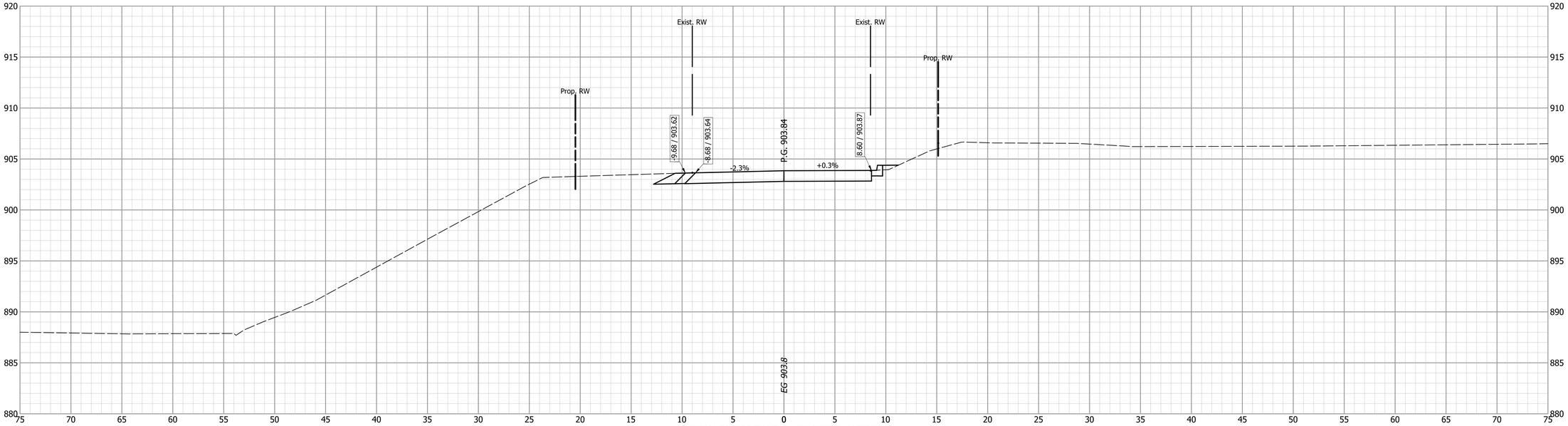

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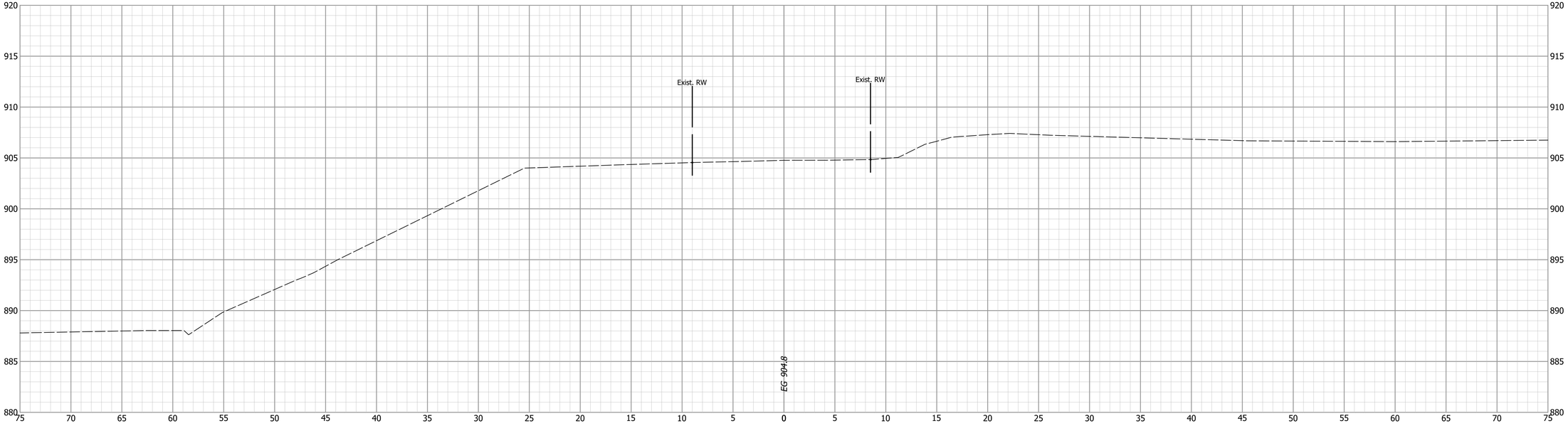
STA. 11+50.00 "A"

11+25



NOT FOR CONSTRUCTION

DESIGNED: JMH
DRAWN: BDC
CHECKED: BMA
CHECKED: JMH

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	BOONE 61
VERTICAL SCALE	DESIGNATION
1" = 5'	2101727
SURVEY BOOK	SHEETS
	14 of 28
CONTRACT	PROJECT
B-44244	2101727

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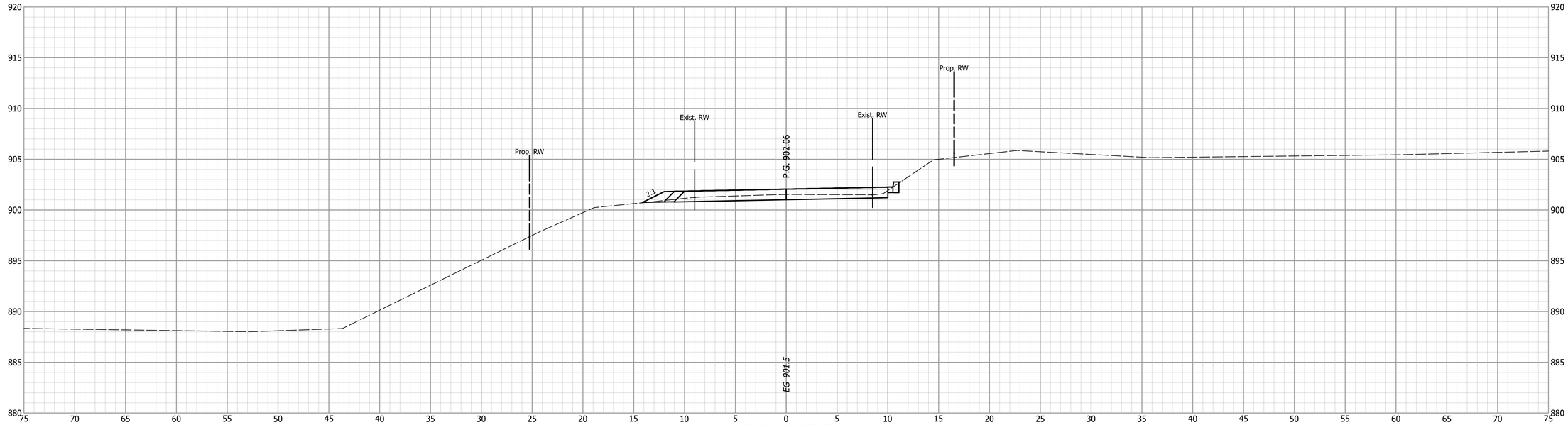
12+00



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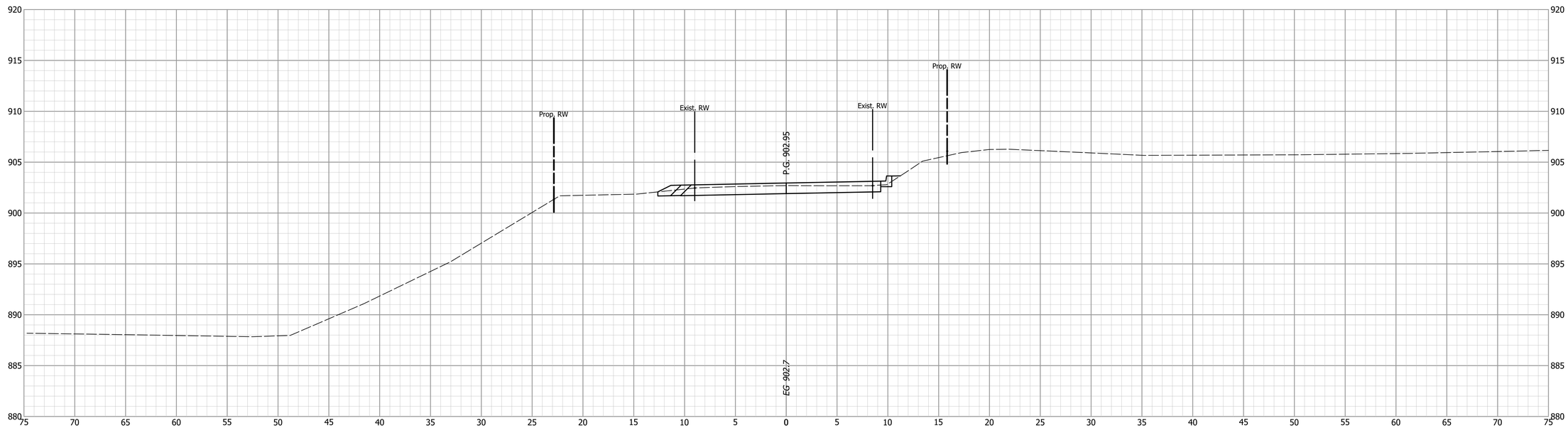

NOT FOR CONSTRUCTION

DESIGNED: JMH
DRAWN: BDC
CHECKED: BMA
CHECKED: JMH

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	BOONE 61
VERTICAL SCALE	DESIGNATION
1" = 5'	2101727
SURVEY BOOK	SHEETS
	15 of 28
CONTRACT	PROJECT
B-44244	2101727

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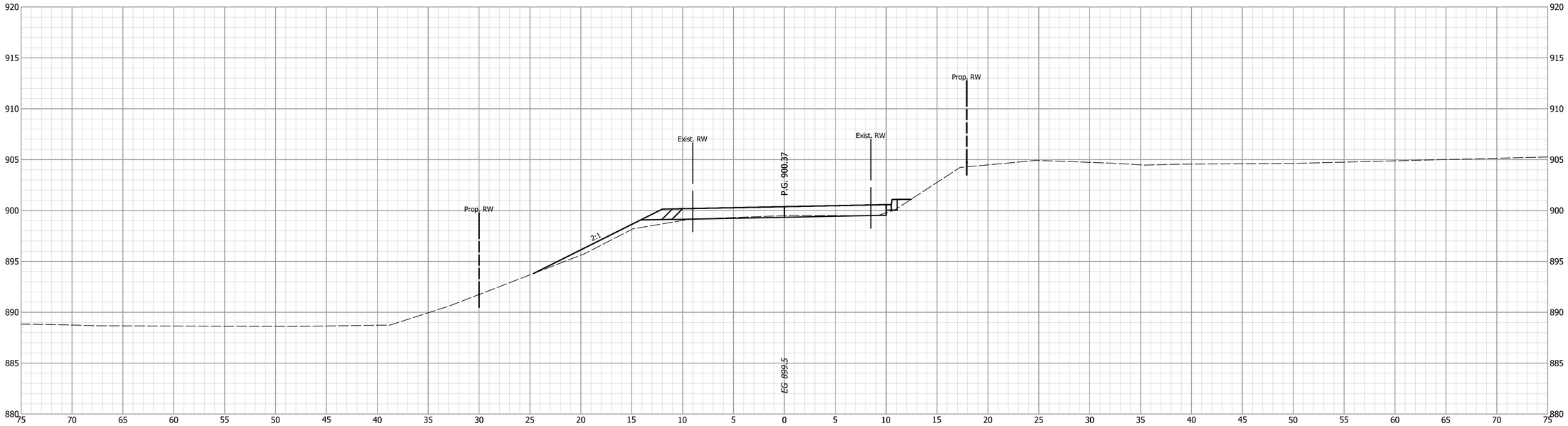

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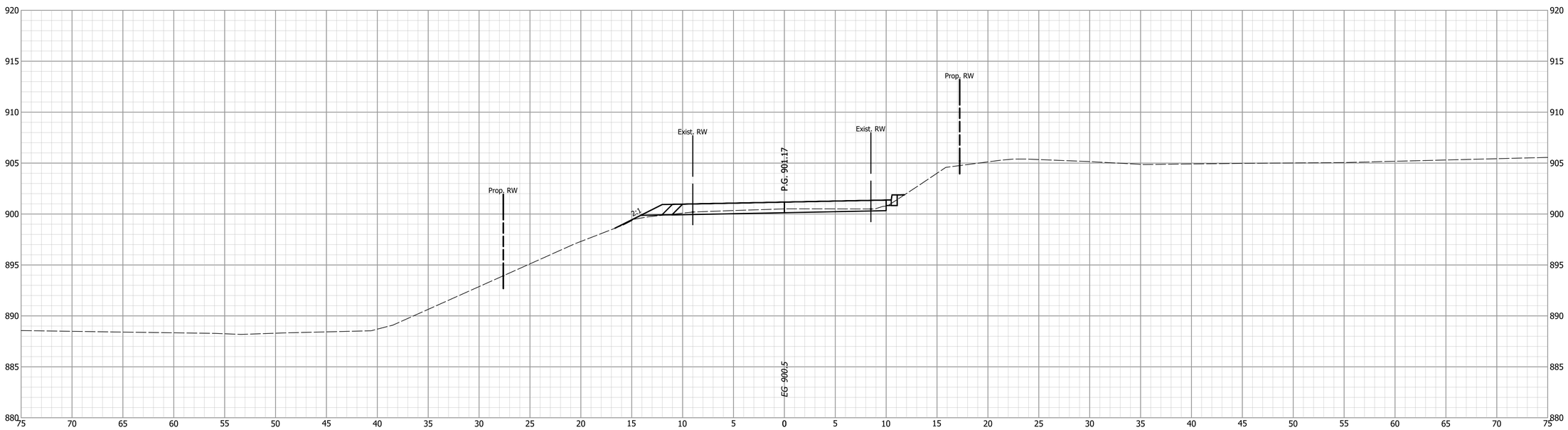

NOT FOR CONSTRUCTION

DESIGNED: JMH	DRAWN: BDC
CHECKED: BMA	CHECKED: JMH

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	BOONE 61
VERTICAL SCALE	DESIGNATION
1" = 5'	2101727
SURVEY BOOK	SHEETS
	16 of 28
CONTRACT	PROJECT
B-44244	2101727

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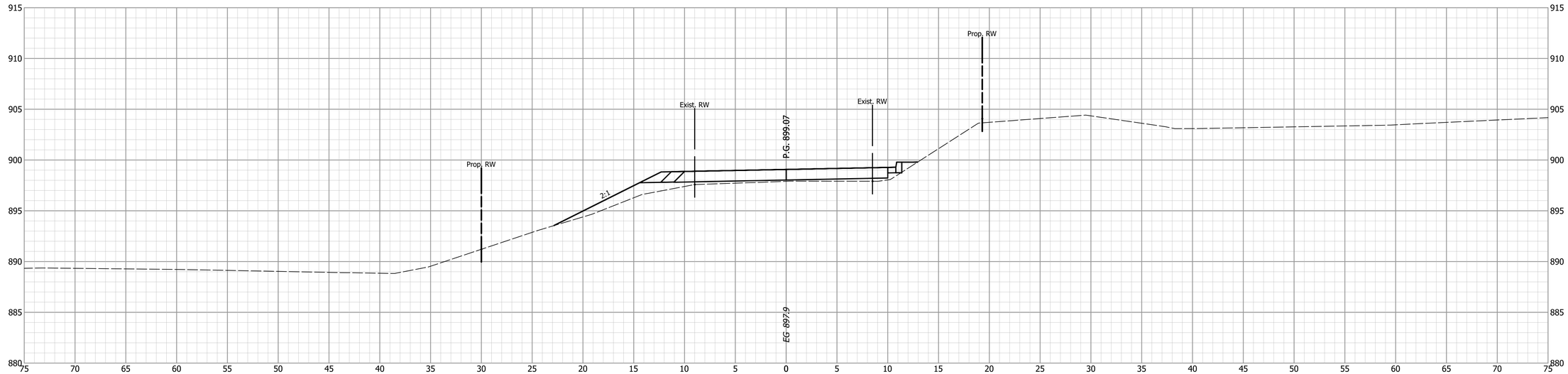
13+00



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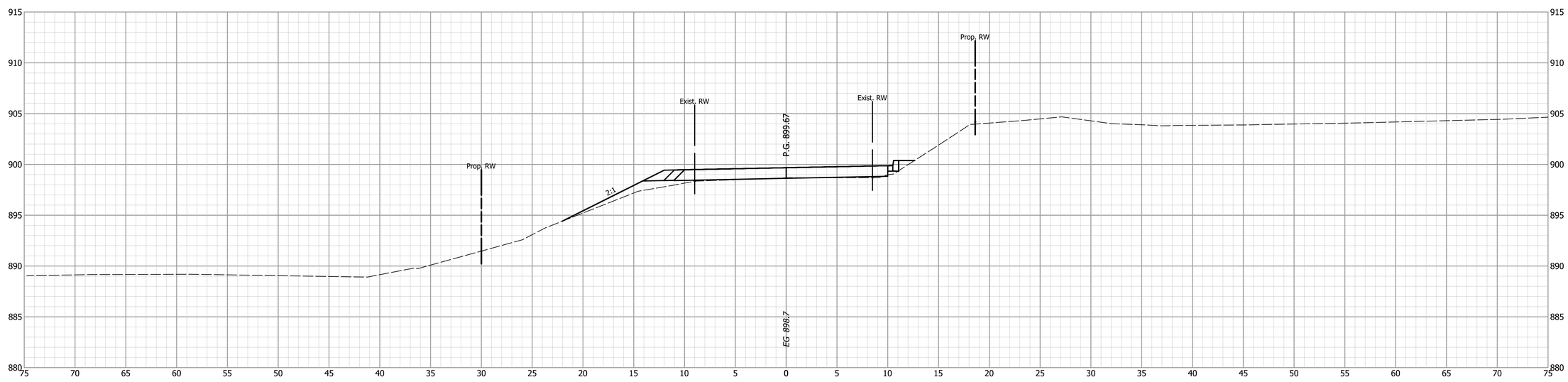

NOT FOR CONSTRUCTION

DESIGNED: JMH
DRAWN: BDC
CHECKED: BMA
CHECKED: JMH

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"

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1" = 5'	BOONE 61
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SURVEY BOOK	SHEETS
	17 of 28
CONTRACT	PROJECT
B-44244	2101727

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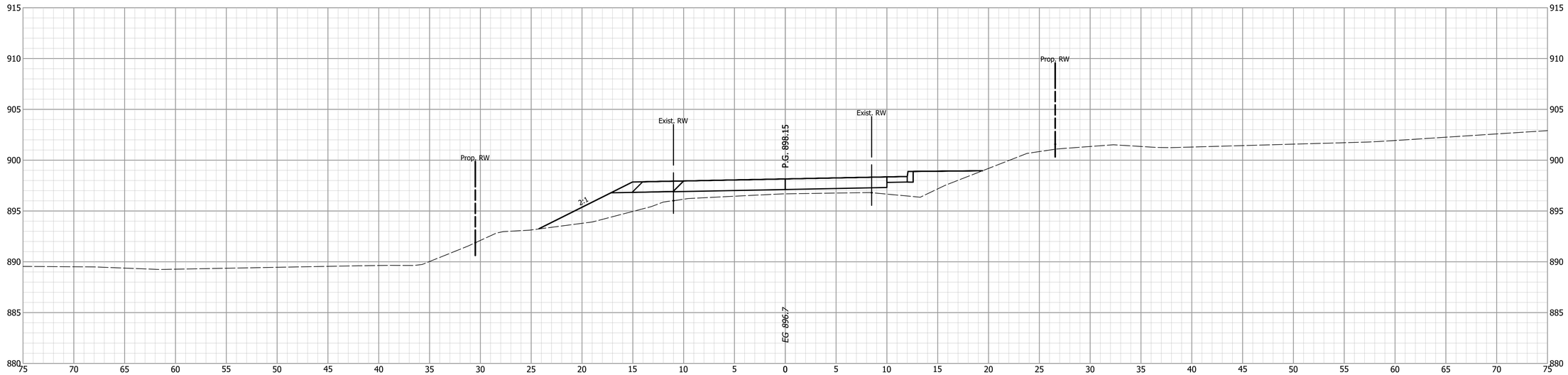

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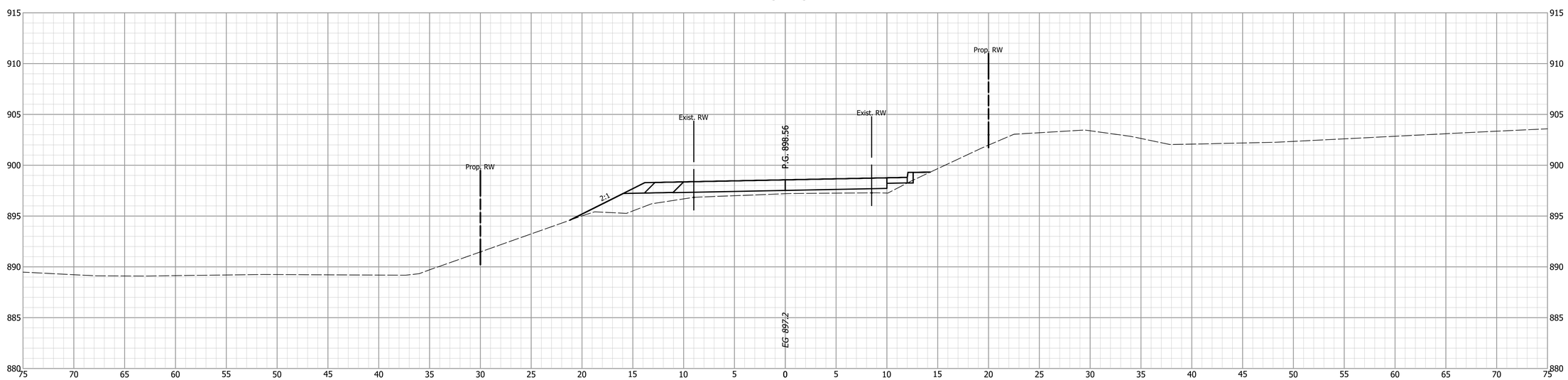

NOT FOR CONSTRUCTION

DESIGNED: JMH | DRAWN: BDC
CHECKED: BMA | CHECKED: JMH

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	BOONE 61
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1" = 5'	2101727
SURVEY BOOK	SHEETS
	18 of 28
CONTRACT	PROJECT
B-44244	2101727

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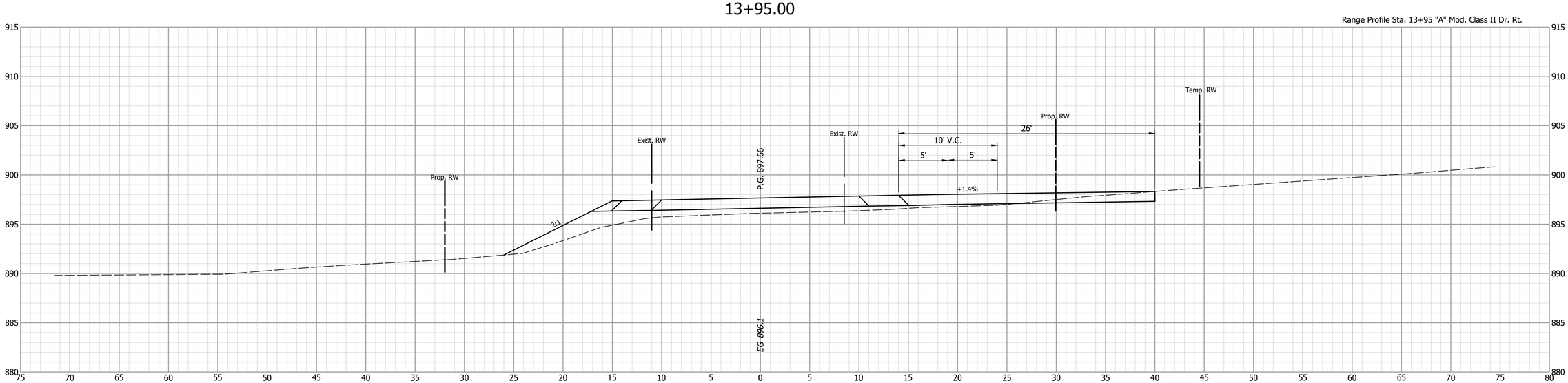

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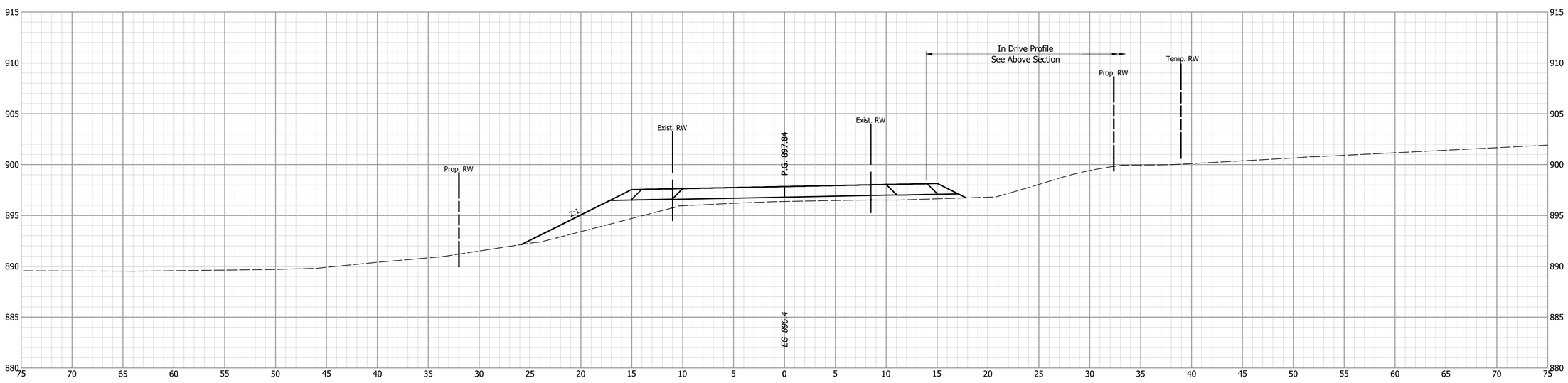

NOT FOR CONSTRUCTION

DESIGNED: JMH DRAWN: BDC
CHECKED: BMA CHECKED: JMH

INDIANA
DEPARTMENT OF TRANSPORTATION

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	19 of 28
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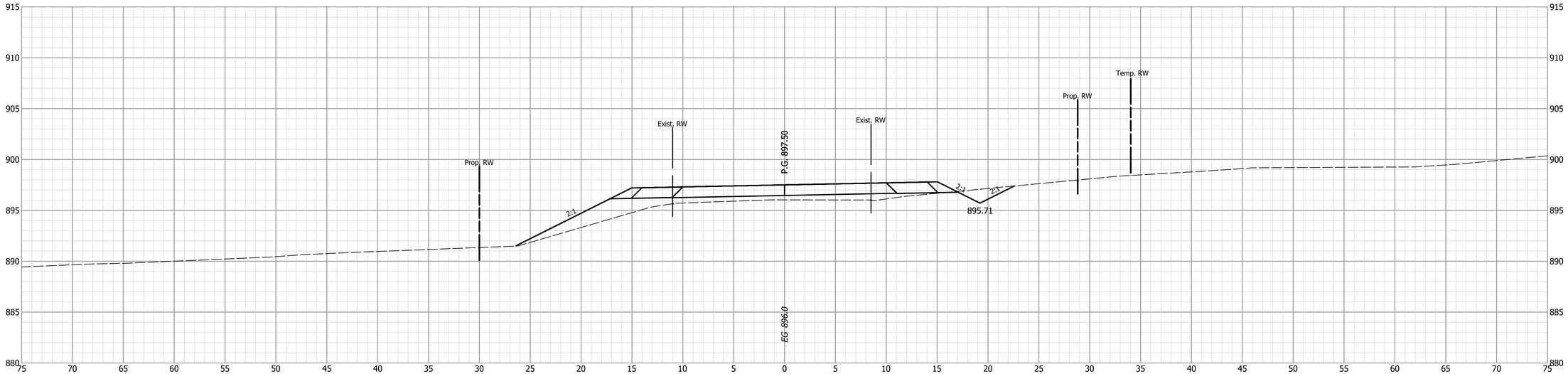

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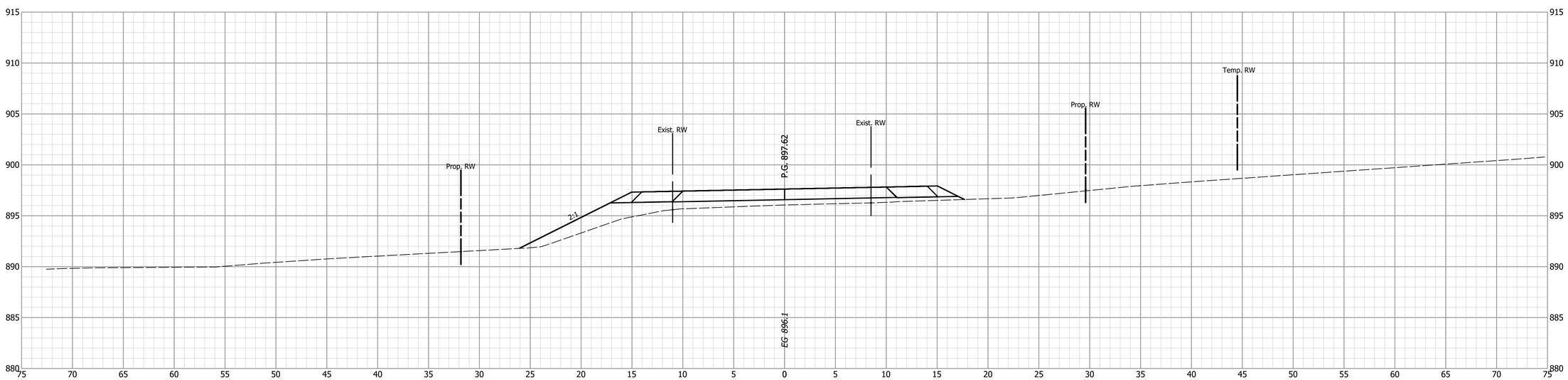

NOT FOR CONSTRUCTION

DESIGNED: JMH DRAWN: BDC
CHECKED: BMA CHECKED: JMH

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"

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	20 of 28
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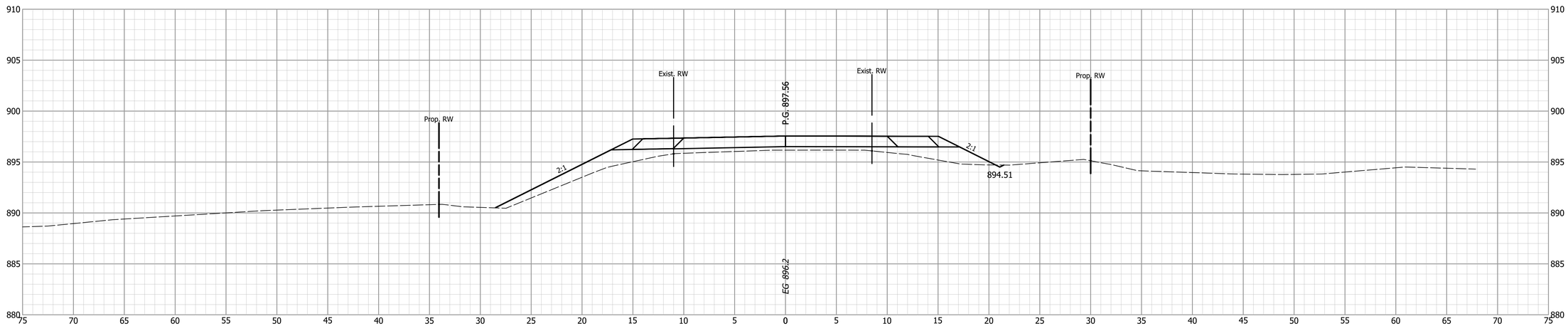
BEGIN PAVING EXCEPTION
STA. 14+86.30 "A"

14+75



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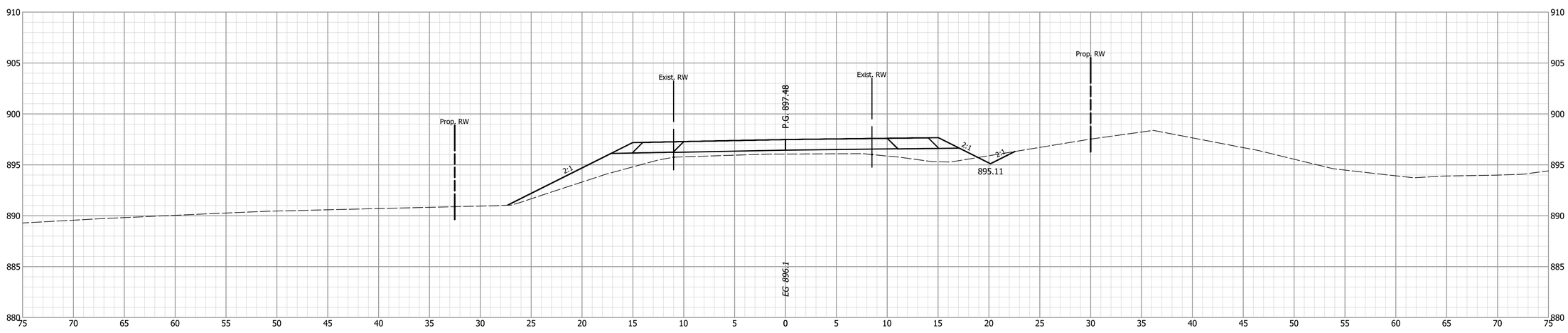

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INDIANA
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CROSS SECTIONS
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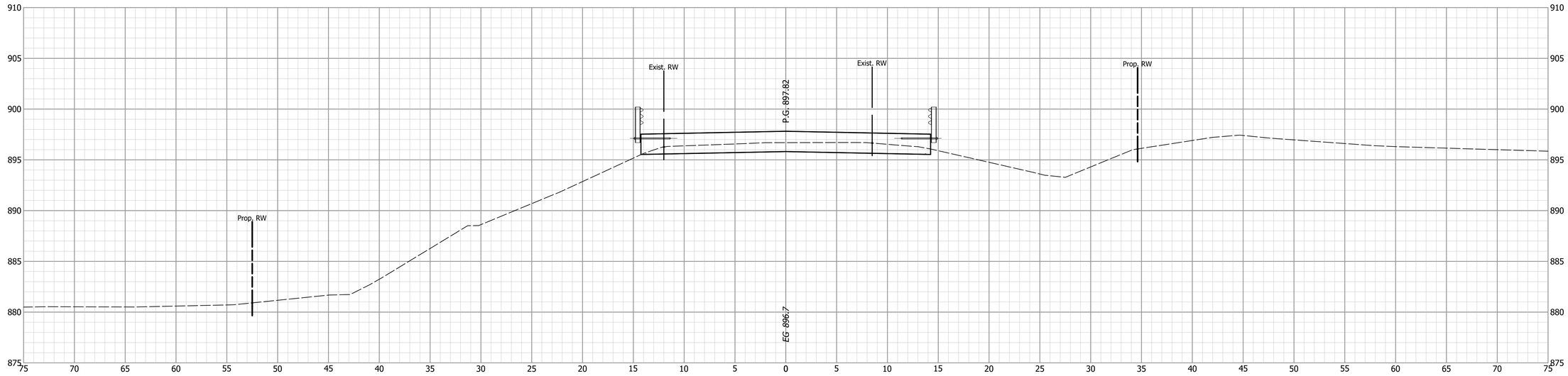
CONTRACT	PROJECT
B-44244	2101727

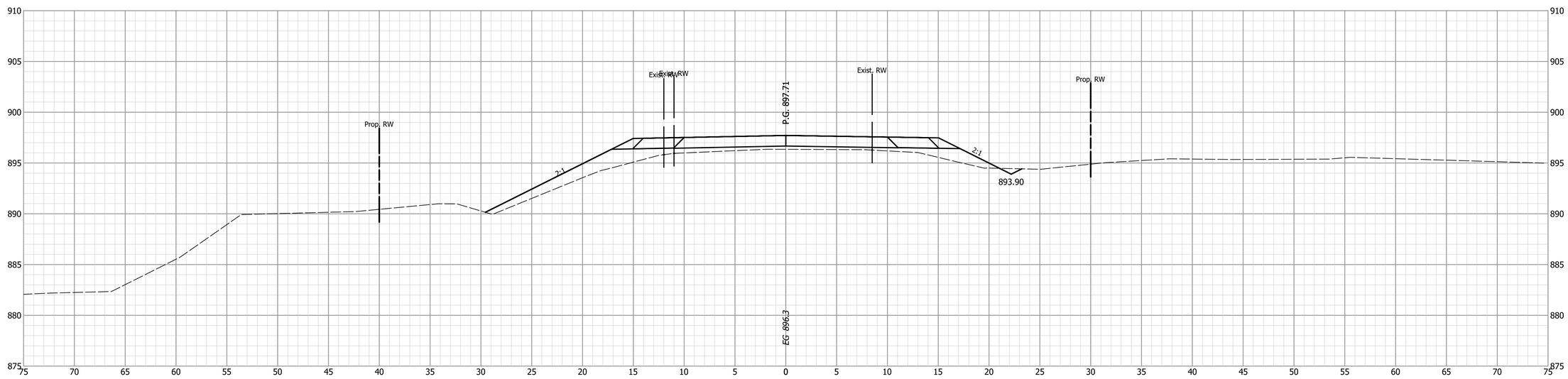
S:\2020Proj\2020-4506 Boone Br 61\Drawings\Bridge\XREFS\Corridor Model\2020-4506 Corridor.dwg, 10/11/2023 7:31:14 AM, AutoCAD PDF (General Documentation).pc3

15+25



BEGIN STRUCTURE
STA. 15+16.78 "A"

15+00



NOT FOR CONSTRUCTION

DESIGNED: JMH	DRAWN: BDC
CHECKED: BMA	CHECKED: JMH

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	BOONE 61
VERTICAL SCALE	DESIGNATION
1" = 5'	2101727
SURVEY BOOK	SHEETS
	22 of 28
CONTRACT	PROJECT
B-44244	2101727

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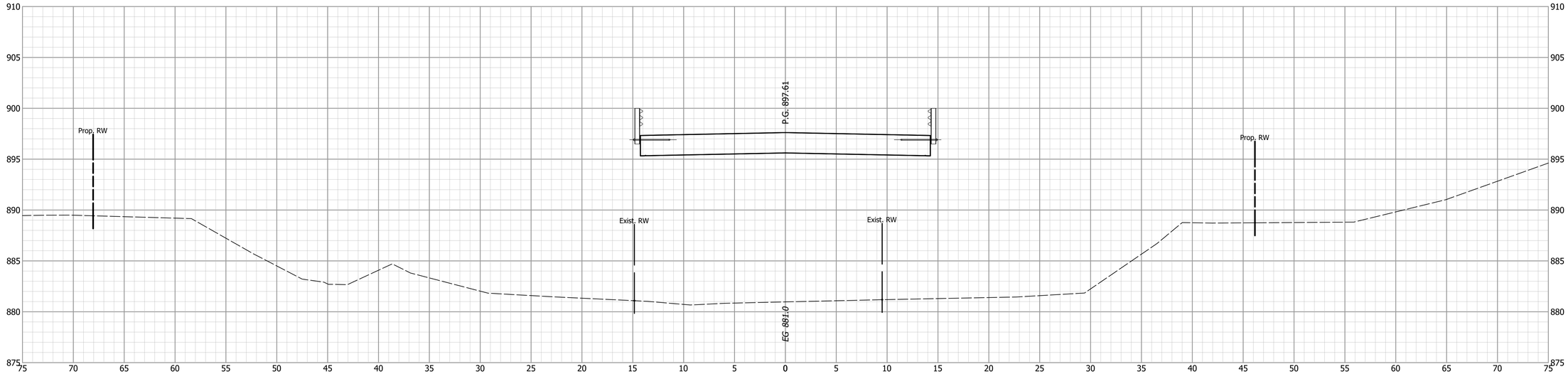
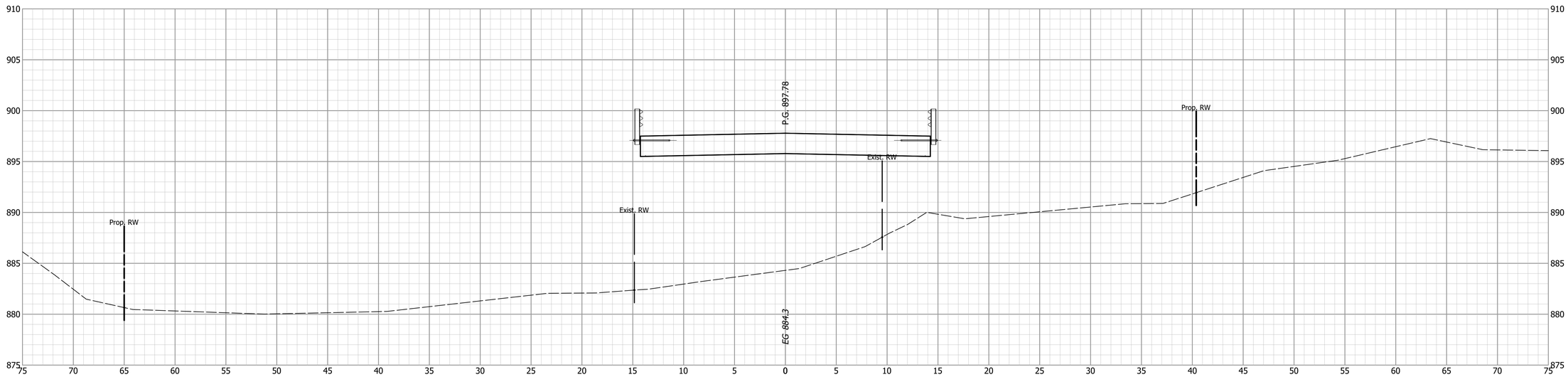
15+75



15+50



NOT FOR CONSTRUCTION

DESIGNED: JMH	DRAWN: BDC
CHECKED: BMA	CHECKED: JMH

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	BOONE 61
VERTICAL SCALE	DESIGNATION
1" = 5'	2101727
SURVEY BOOK	SHEETS
	23 of 28
CONTRACT	PROJECT
B-44244	2101727

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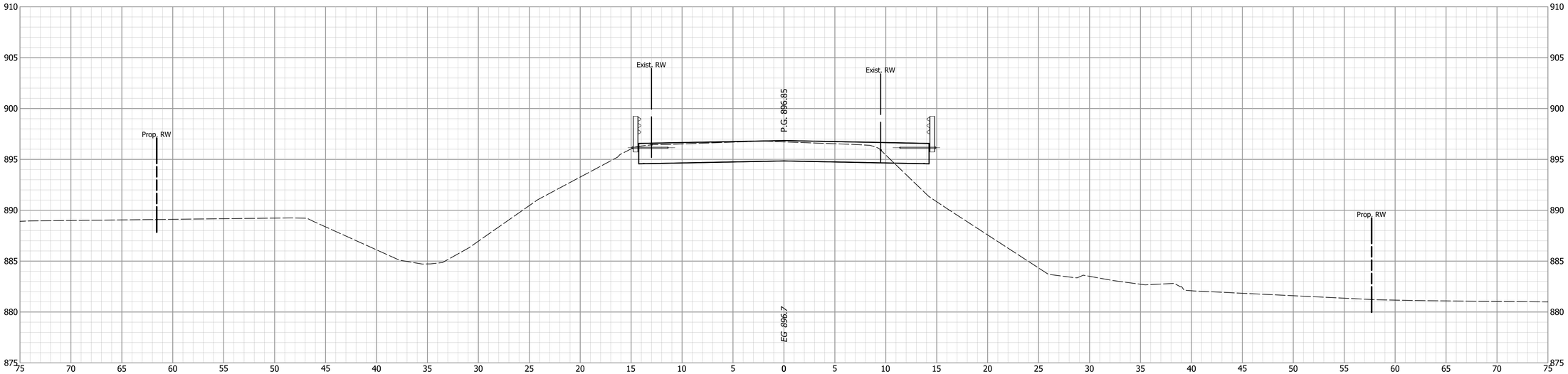
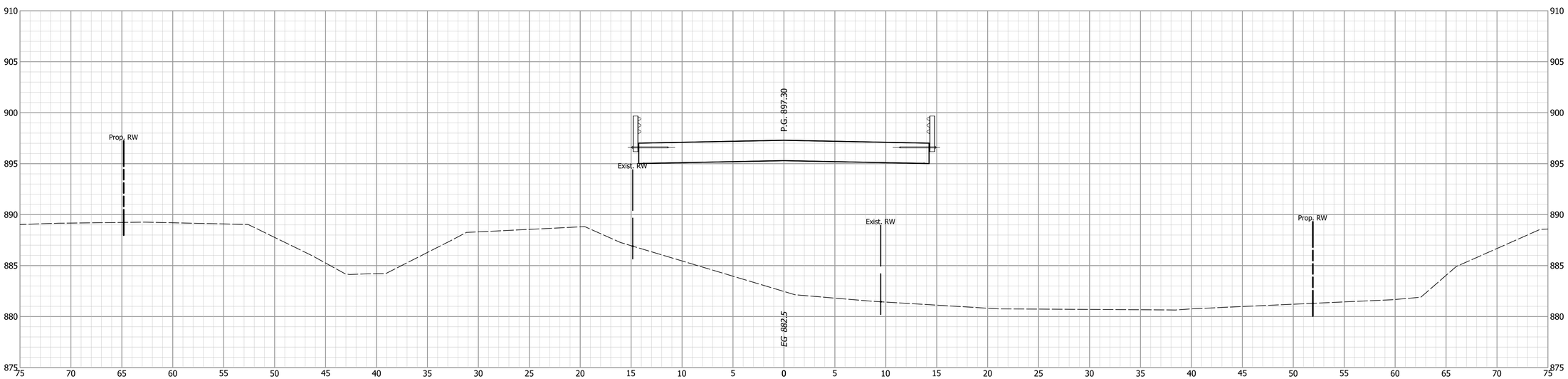
END STRUCTURE
STA. 16+39.22 "A"

16+25



16+00



NOT FOR CONSTRUCTION

DESIGNED: JMH	DRAWN: BDC
CHECKED: BMA	CHECKED: JMH

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	BOONE 61
VERTICAL SCALE	DESIGNATION
1" = 5'	2101727
SURVEY BOOK	SHEETS
	24 of 28
CONTRACT	PROJECT
B-44244	2101727

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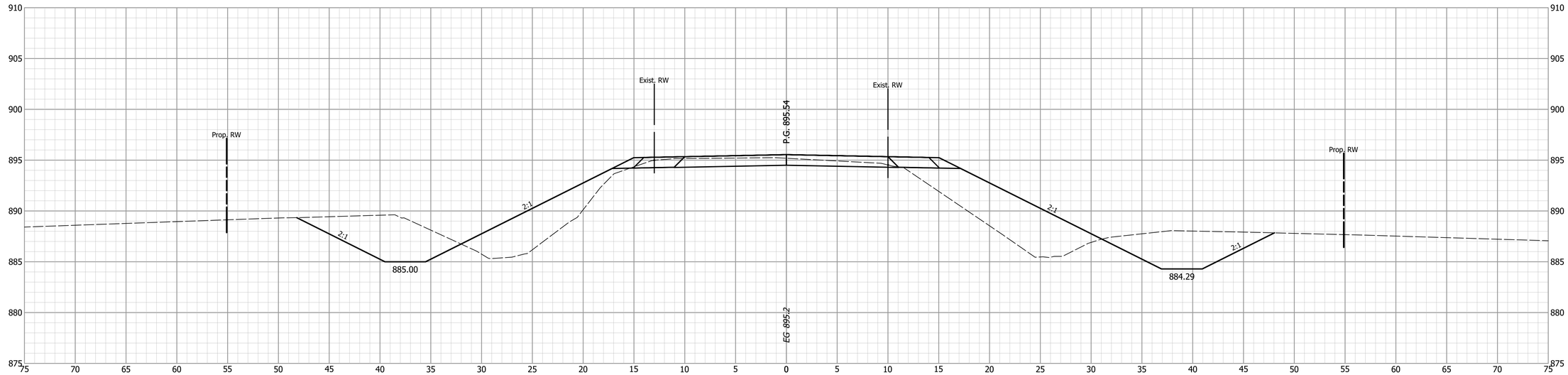
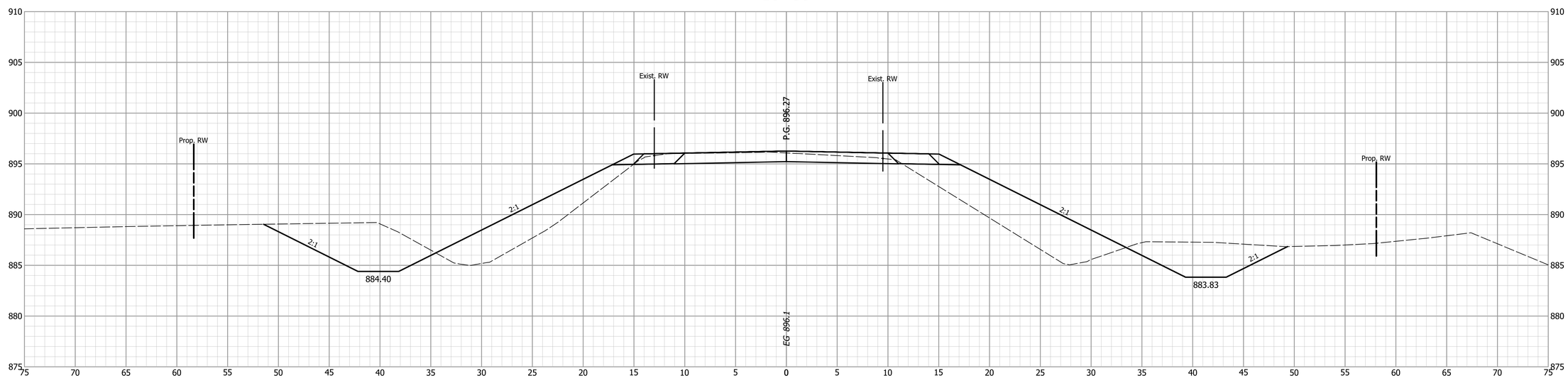
16+75



END PAVING EXCEPTION
STA. 16+69.70 "A"

16+50



NOT FOR CONSTRUCTION

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CHECKED: BMA	CHECKED: JMH

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	BOONE 61
VERTICAL SCALE	DESIGNATION
1" = 5'	2101727
SURVEY BOOK	SHEETS
	25 of 28
CONTRACT	PROJECT
B-44244	2101727

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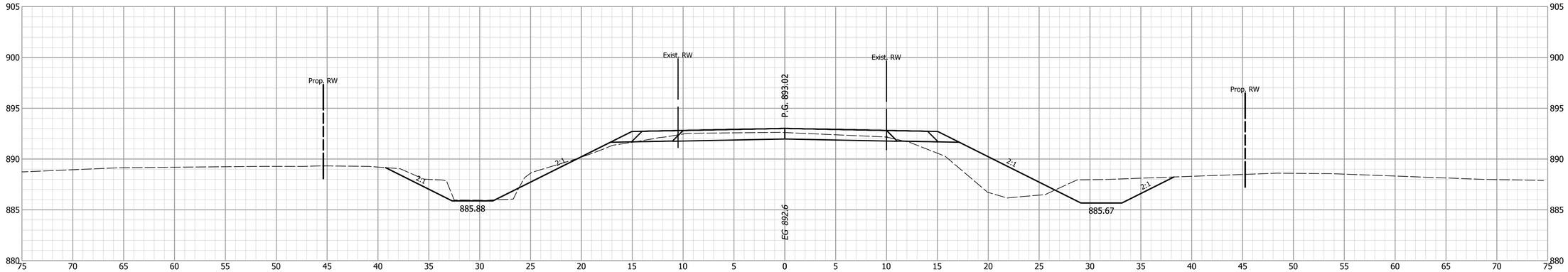
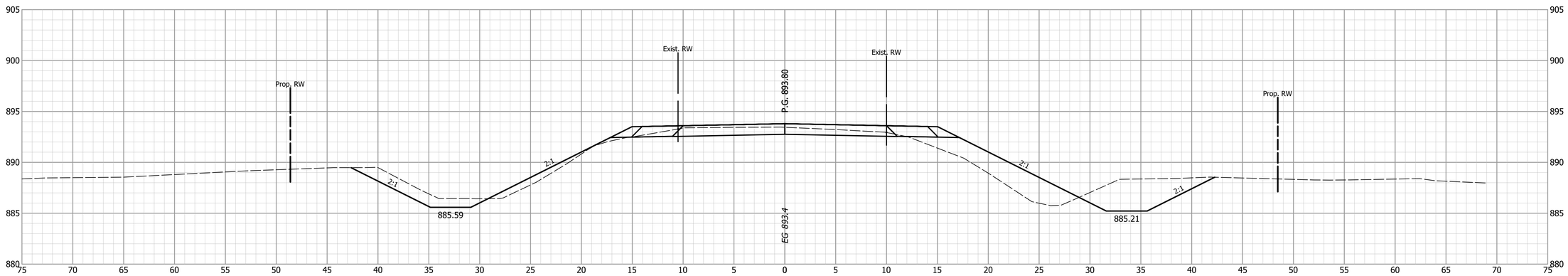
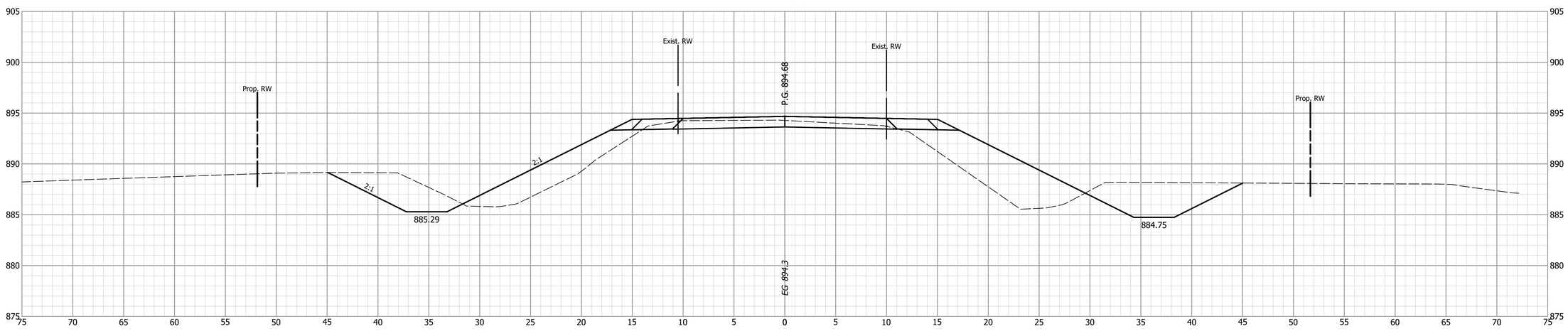
17+50



17+25



17+00



NOT FOR CONSTRUCTION

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CHECKED: BMA	CHECKED: JMH

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	BOONE 61
VERTICAL SCALE	DESIGNATION
1" = 5'	2101727
SURVEY BOOK	SHEETS
	26 of 28
CONTRACT	PROJECT
B-44244	2101727

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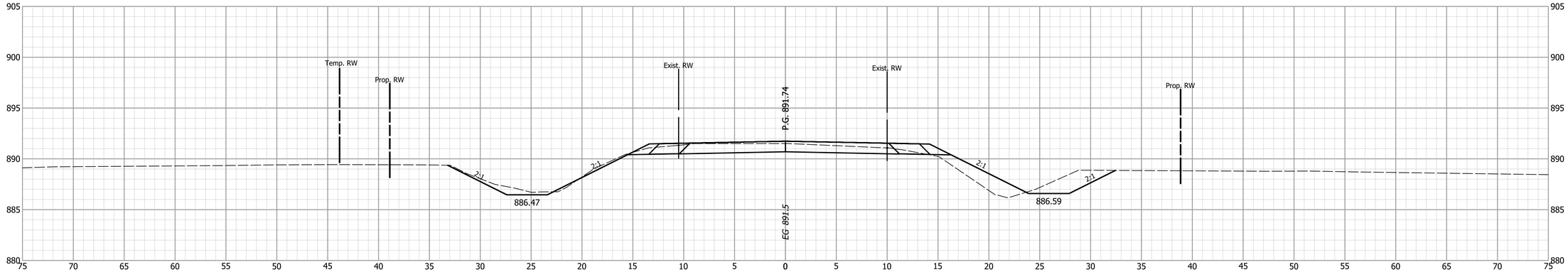
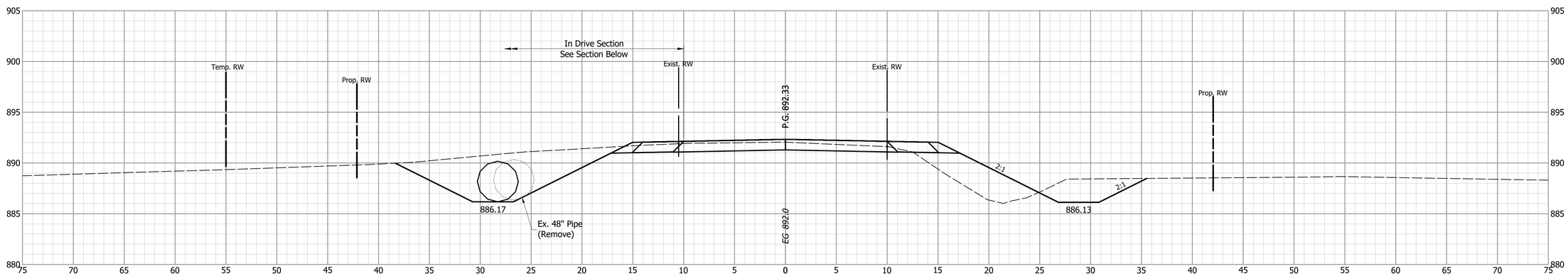
18+00



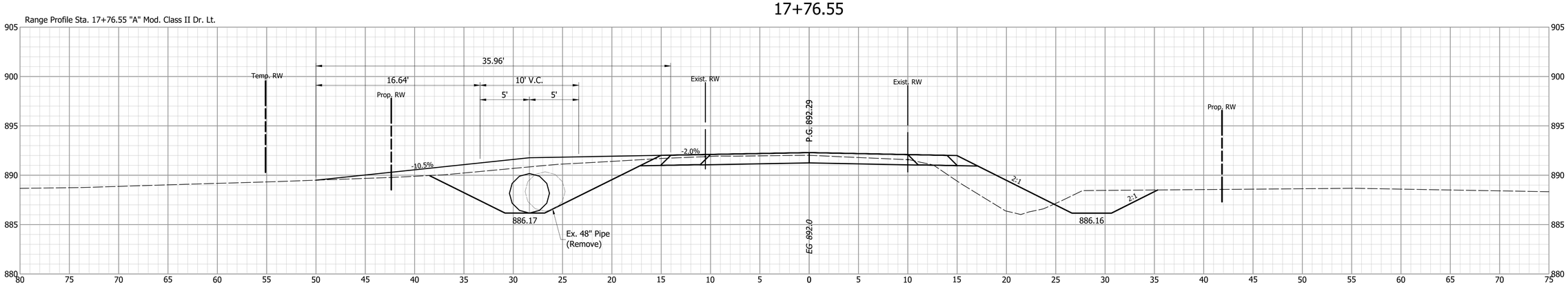
END PROJECT
STA. 17+75.00 "A"

17+75



17+76.55

Range Profile Sta. 17+76.55 "A" Mod. Class II Dr. Lt.



NOT FOR CONSTRUCTION

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CHECKED: BMA	CHECKED: JMH

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	BOONE 61
VERTICAL SCALE	DESIGNATION
1" = 5'	2101727
SURVEY BOOK	SHEETS
	27 of 28
CONTRACT	PROJECT
B-44244	2101727

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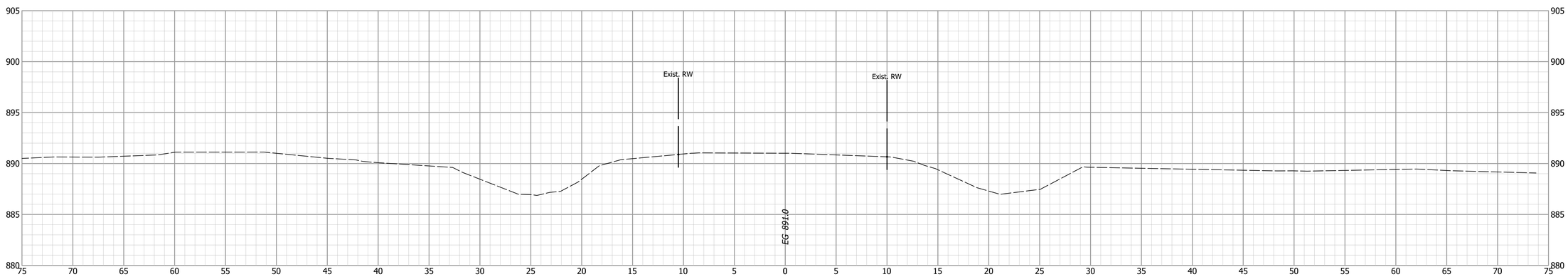
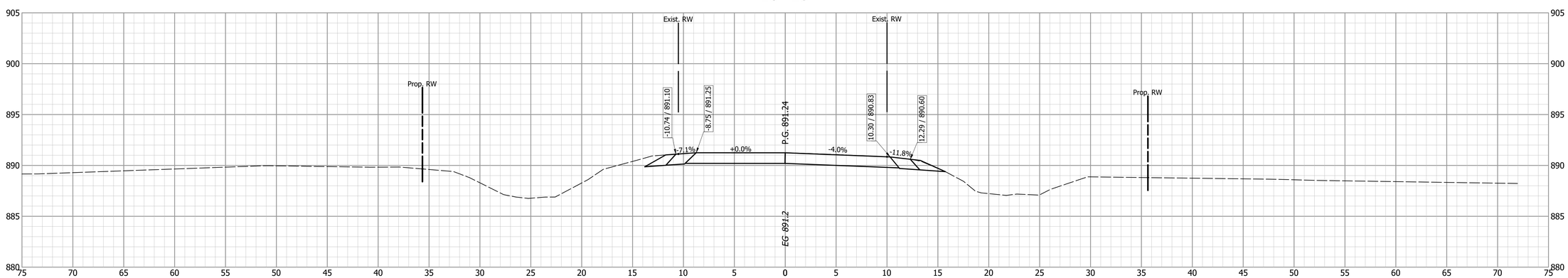
18+50



END INCIDENTAL CONSTRUCTION
STA. 18+25.00 "A"

18+25



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DRAWN: BDC
CHECKED: BMA
CHECKED: JMH

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
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SURVEY BOOK	SHEETS
	28 of 28
CONTRACT	PROJECT
B-44244	2101727

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