

FOR INFORMATION ONLY

RECOMMENDED FOR APPROVAL _____	
DESIGNED: JLC	DRAWN: JMM
CHECKED: JMM	CHECKED: JLC

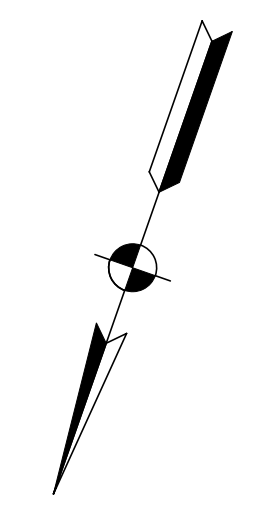
INDIANA
DEPARTMENT OF TRANSPORTATION

PROPOSED
GEOMETRIC LAYOUT SHEET

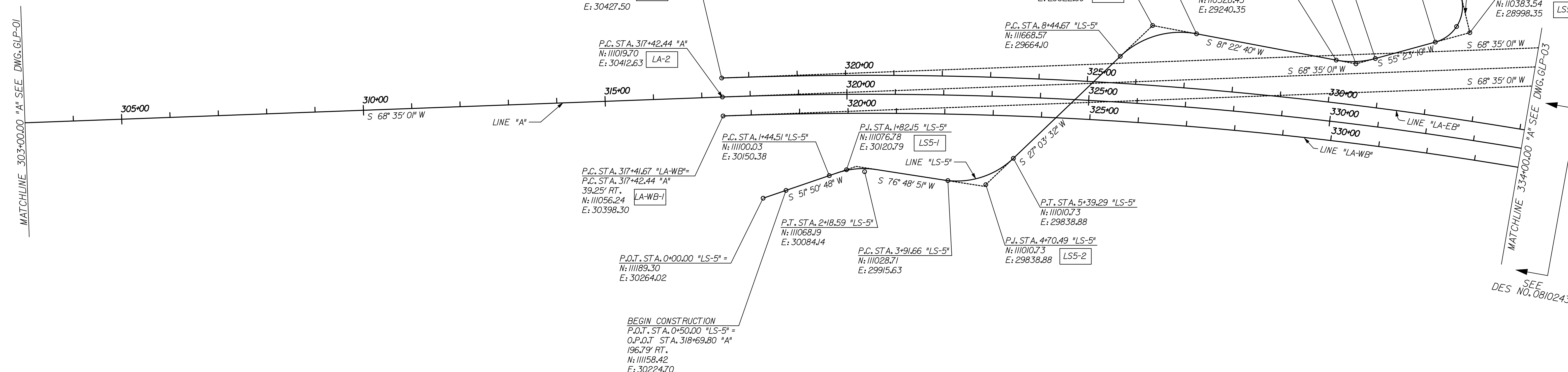
HORIZONTAL SCALE 1" = 100'	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 0900253
SURVEY BOOK	DWG. NO. SHEET NO. GLP-01 5 of 18
CONTRACT	PROJECT 0810243

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MATCHLINE 303+00.00 "A" SEE DWG. GLP-02



LS5-1 CURVE DATA PI 1+82.15 N 111,076.78 E 30,120.79 Delta 24° 58' 02.34" (RT) D 33° 42' 12.24" R 170.00 Lc 74.08 T 37.64	LS5-4 CURVE DATA PI 13+50.62 N 110,522.22 E 29,999.28 Delta 25° 59' 30.23" (LT) D 3° 49' 51.56" R 180.00 Lc 81.66 T 41.54	LA-EB-1 CURVE DATA PI 334+68.04 N 110,353.62 E 28,821.91 Delta 23° 42' 56.02" (RT) D 0° 41' 51.93" R 8,211.42 Lc 3,398.83 T 1,724.10	LA-WB-1 CURVE DATA PI 334+20.35 N 110,409.77 E 28,742.43 Delta 24° 40' 22.62" (RT) D 0° 42' 16.17" R 8,132.92 Lc 3,502.23 T 1,778.69
LS5-2 CURVE DATA PI 4+70.49 N 111,010.73 E 29,838.88 Delta 49° 45' 18.70" (LT) D 33° 42' 12.24" R 170.00 Lc 147.63 T 78.83	LS5-5 CURVE DATA PI 15+93.33 N 110,383.54 E 28,998.35 Delta 88° 11' 21.77" (LT) D 7° 49' 41.25" R 76.40 Lc 117.59 T 74.02	LA-2 CURVE DATA PI 335+19.48 N 110,370.83 E 28,758.29 Delta 24° 27' 19.00" (RT) D 0° 41' 55.42" R 8,200.00 Lc 3,499.97 T 1,777.04	
LS5-3 CURVE DATA PI 9+37.02 N 111,586.33 E 29,622.09 Delta 54° 19' 08.04" (RT) D 3° 49' 51.56" R 180.00 Lc 170.65 T 92.35			



MATCHLINE 303+00.00 "A" SEE DWG. GLP-01

MATCHLINE 334+00.00 "A" SEE DWG. GLP-03
SEE DES NO. 0810243

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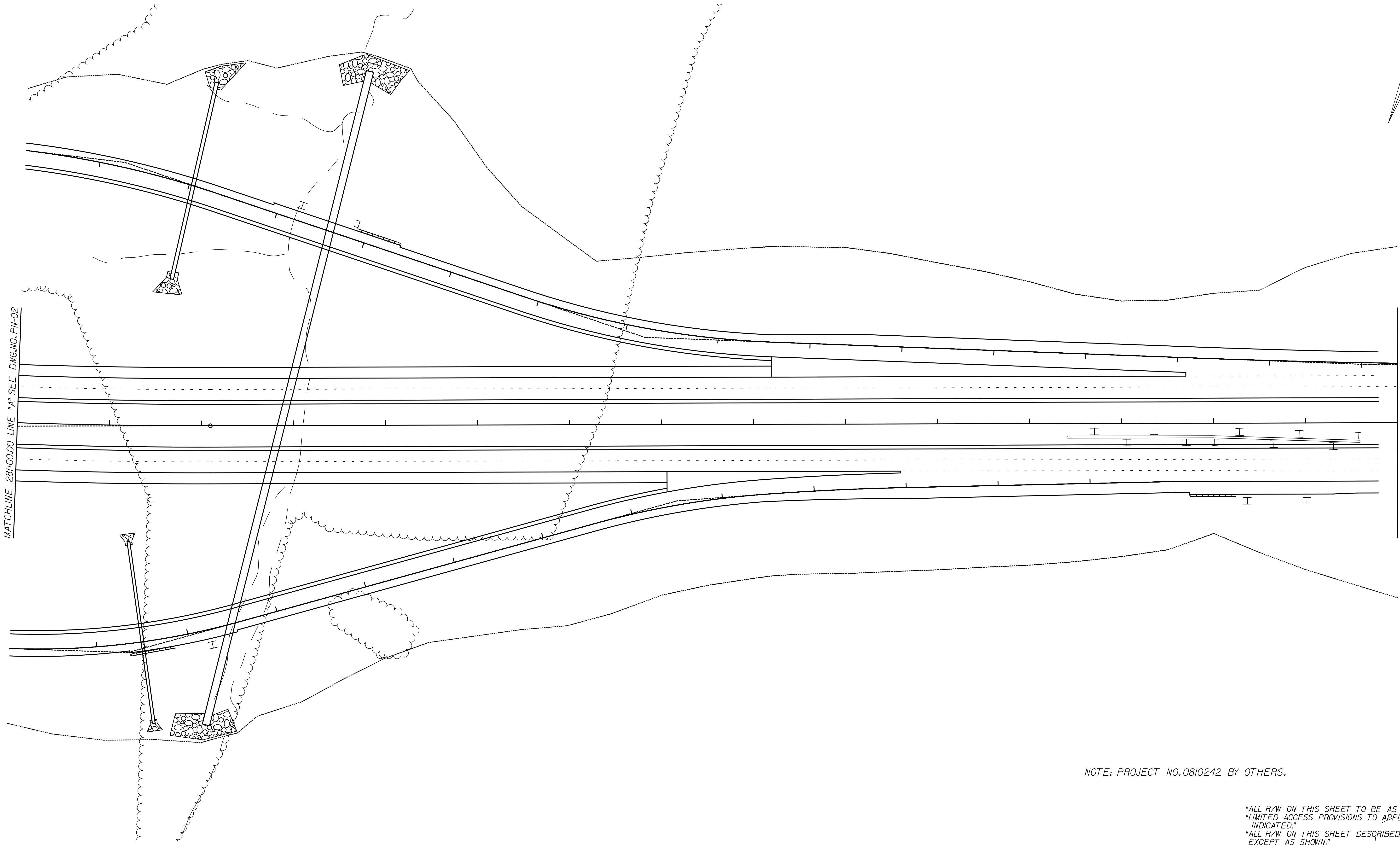
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DESIGNED: JLC	DRAWN: JMM		
CHECKED: JMM	CHECKED: JLC		

INDIANA
DEPARTMENT OF TRANSPORTATION

PROPOSED
GEOMETRIC LAYOUT SHEET

HORIZONTAL SCALE 1" = 100'	BRIDGE FILE	
VERTICAL SCALE	DESIGNATION 0900253	
SURVEY BOOK	DWG. NO. GLP-02	SHEET NO. 6 of 18
CONTRACT	PROJECT 0810243	

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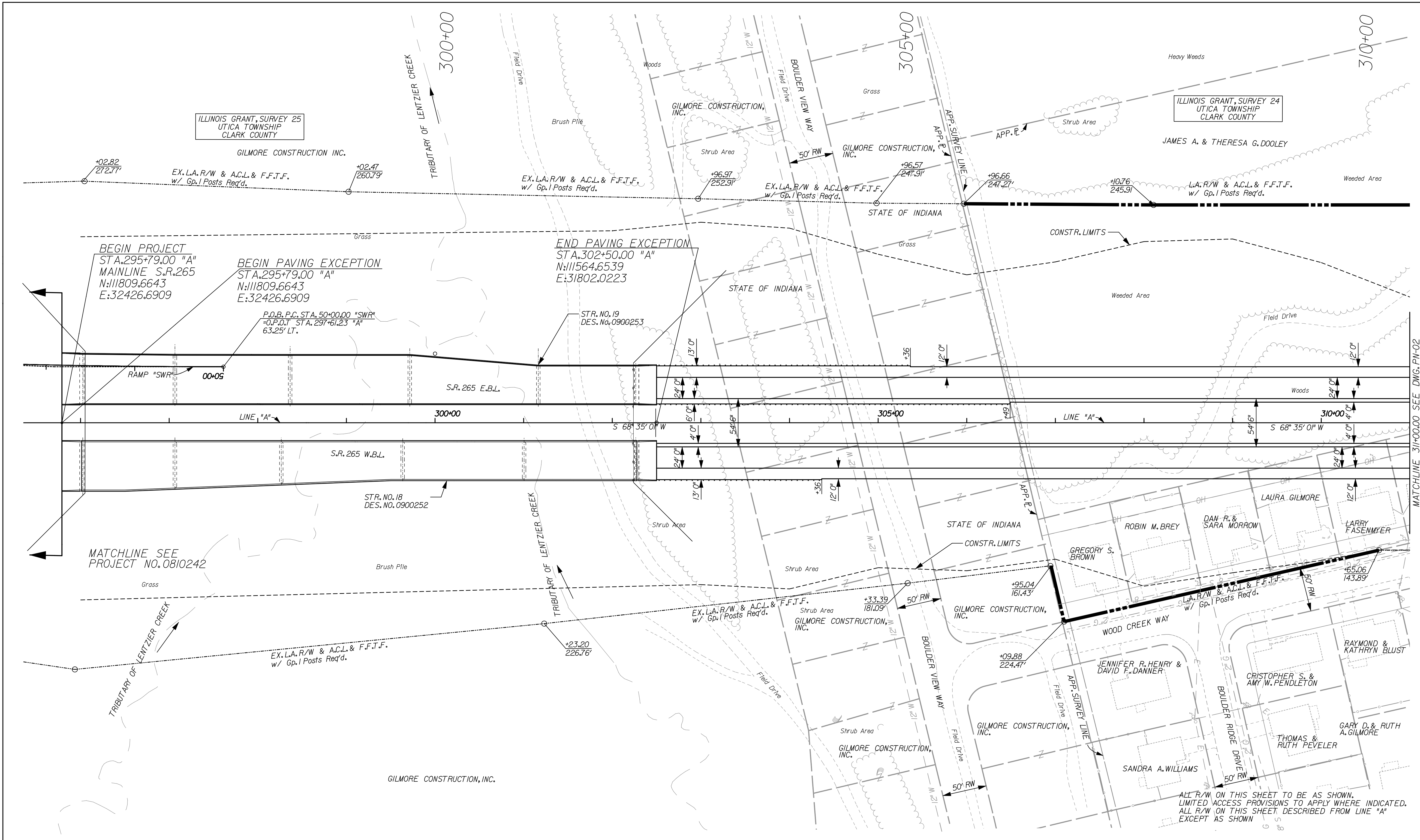
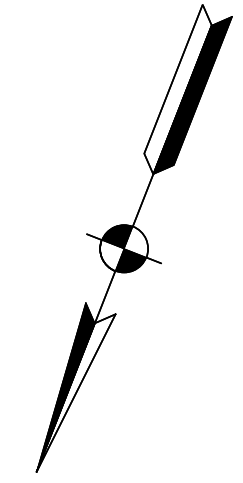
NOTE: PROJECT NO. 0810242 BY OTHERS.

"ALL R/W ON THIS SHEET TO BE AS SHOWN."
 "LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED."
 "ALL R/W ON THIS SHEET DESCRIBED FROM LINE "A" EXCEPT AS SHOWN."
 "GROUP I POSTS REQUIRED FOR F.J.T.F."

FOR INFORMATION ONLY

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE		BRIDGE FILE
			1" = 50'		
DESIGNED: HBM	DRAWN: EAK	VERTICAL SCALE		DESIGNATION	
CHECKED: WBA	CHECKED: WSL			0900253	
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		STA. 281+00 TO STA. 296+00			PN-01 7 of 18
				CONTRACT	PROJECT
					0810243

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MATCHLINE 311+00.00 SEE DWG. PN-02

MATCHLINE SEE PROJECT NO. 0810242

ALL R/W ON THIS SHEET TO BE AS SHOWN. LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED. ALL R/W ON THIS SHEET DESCRIBED FROM LINE "A" EXCEPT AS SHOWN

FOR INFORMATION ONLY

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JLC	DRAWN: JMM	
CHECKED: JMM	CHECKED: JLC	

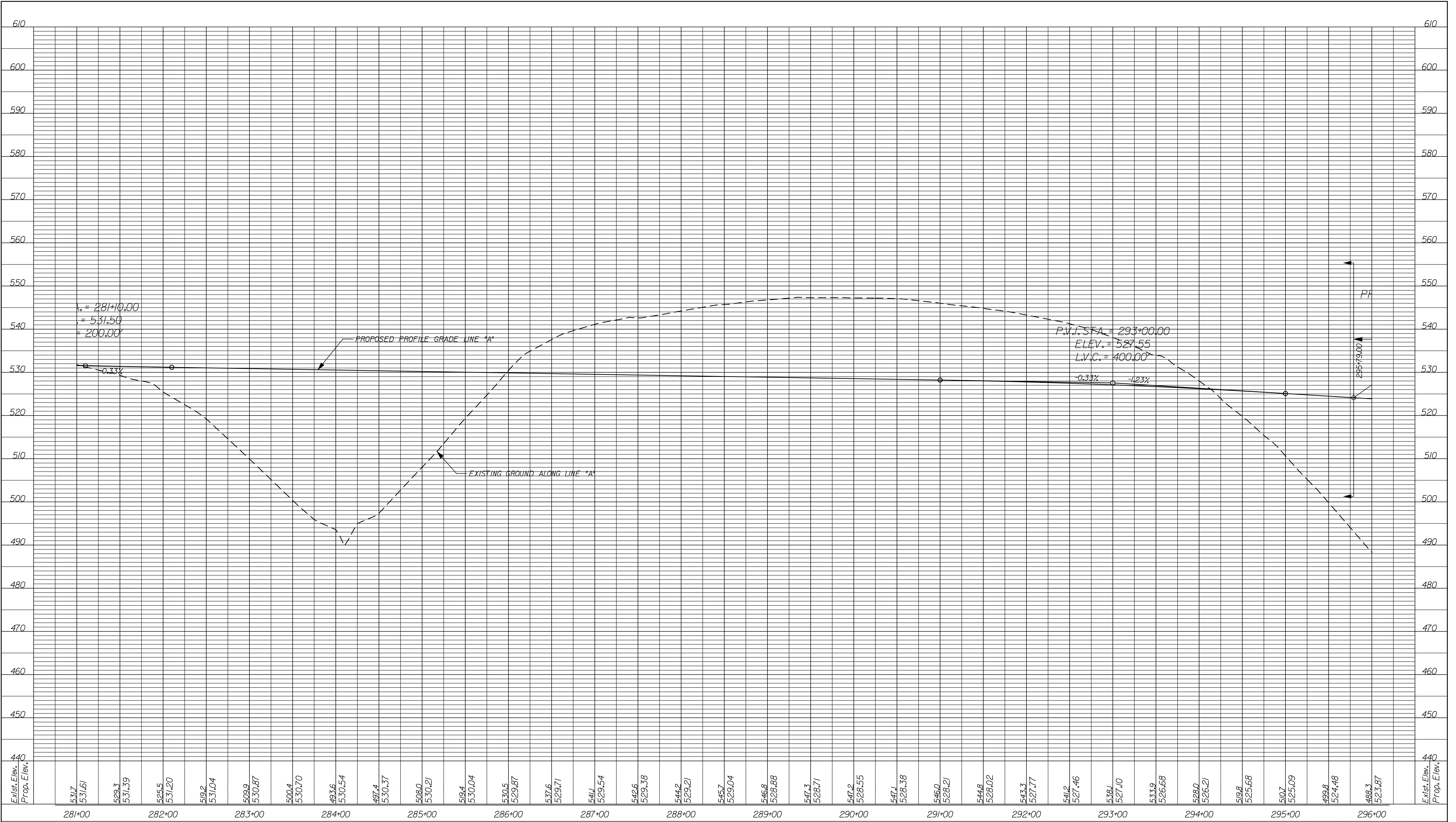
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "A"
STA. 295+79 TO STA. 311+00

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE	
VERTICAL SCALE	DESIGNATION 0900253	
SURVEY BOOK	DWG. NO. PN-02	SHEET NO. 8 of 18
CONTRACT	PROJECT 0810243	

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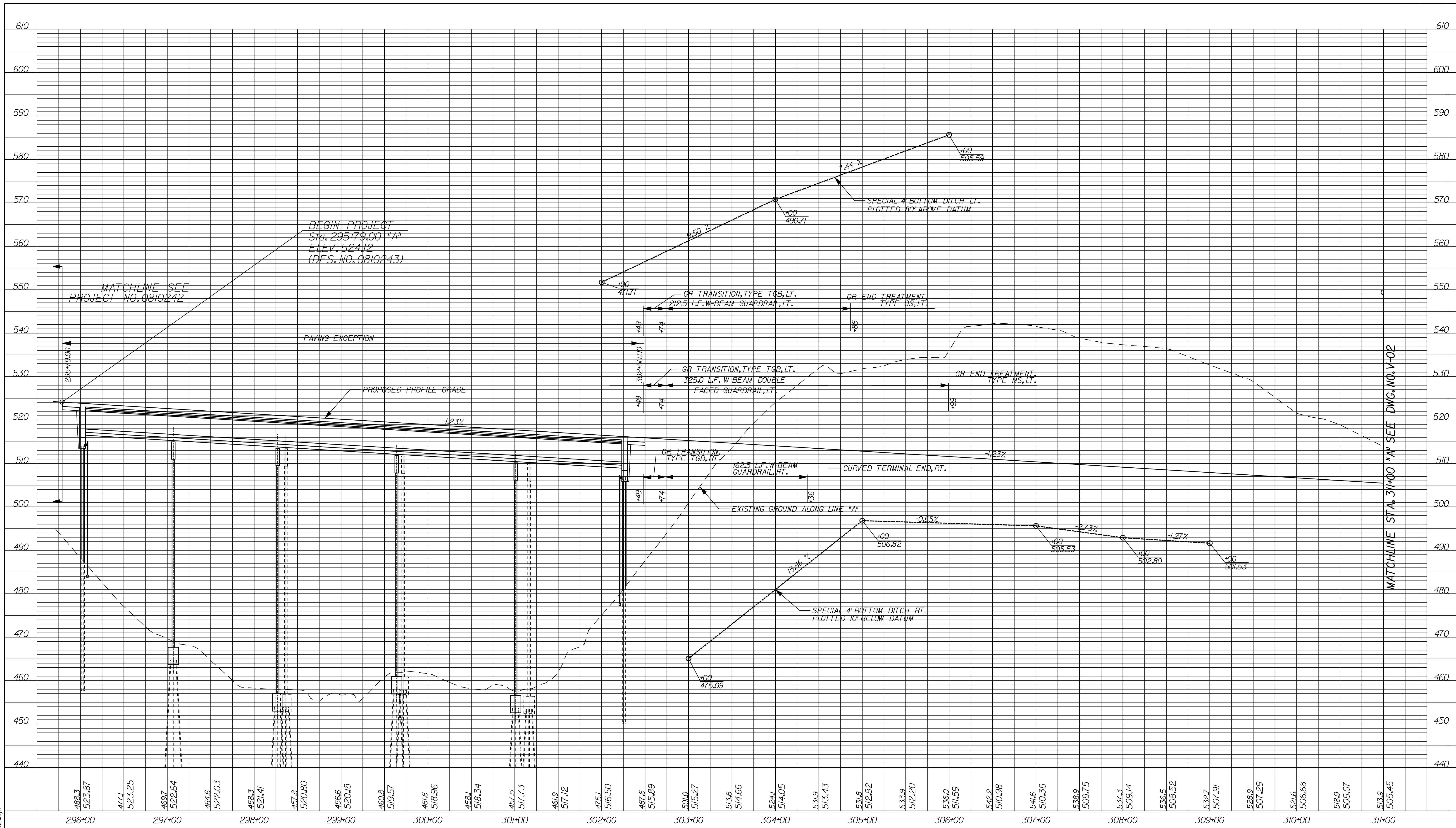


FOR INFORMATION ONLY

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____	DATE _____
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CHECKED: WSL	CHECKED: WSL		

INDIANA
DEPARTMENT OF TRANSPORTATION
 PROFILE SHEET
 LINE "A"
 STA. 281+00 TO STA. 296+00

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE	
VERTICAL SCALE 1" = 10'	DESIGNATION 0900253	
SURVEY BOOK	DWG. NO. V-01	SHEET NO. 9 of 18
CONTRACT	PROJECT 0810243	



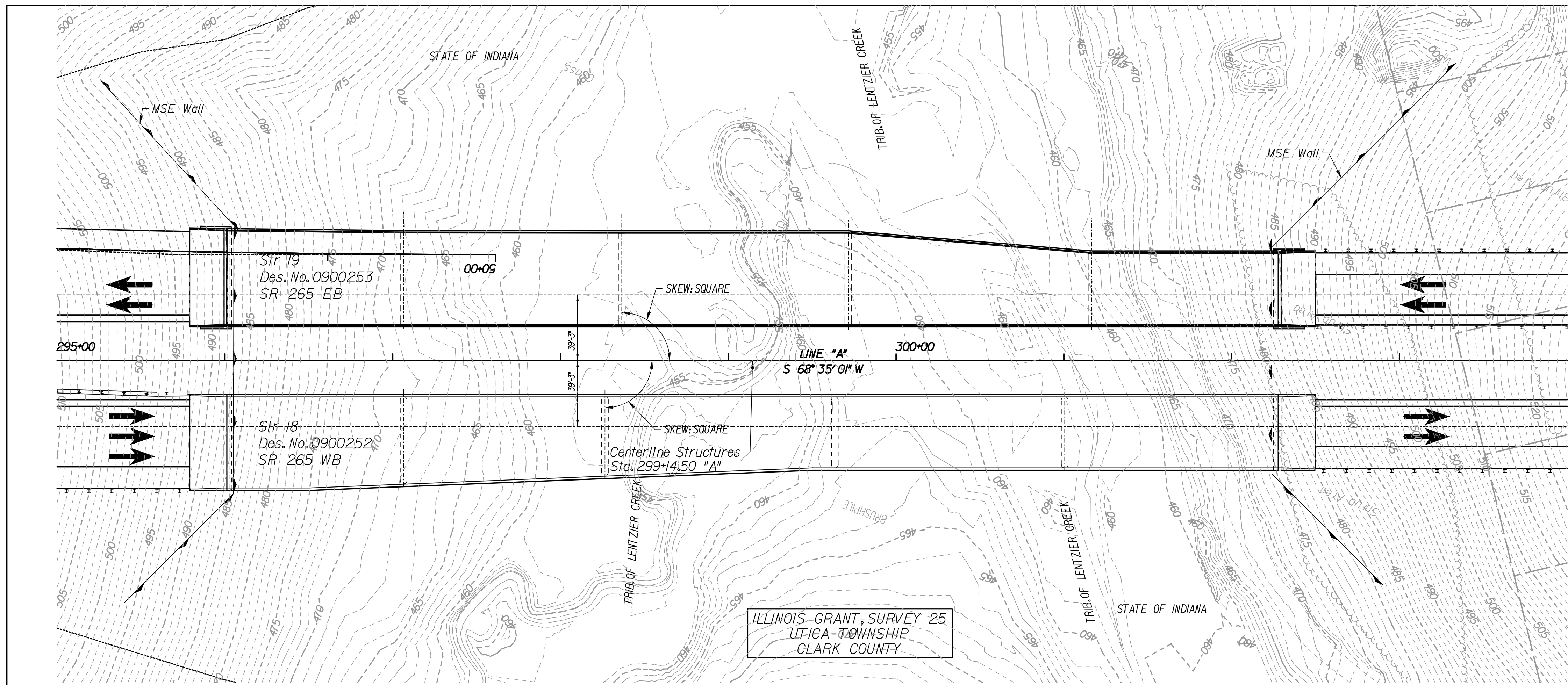
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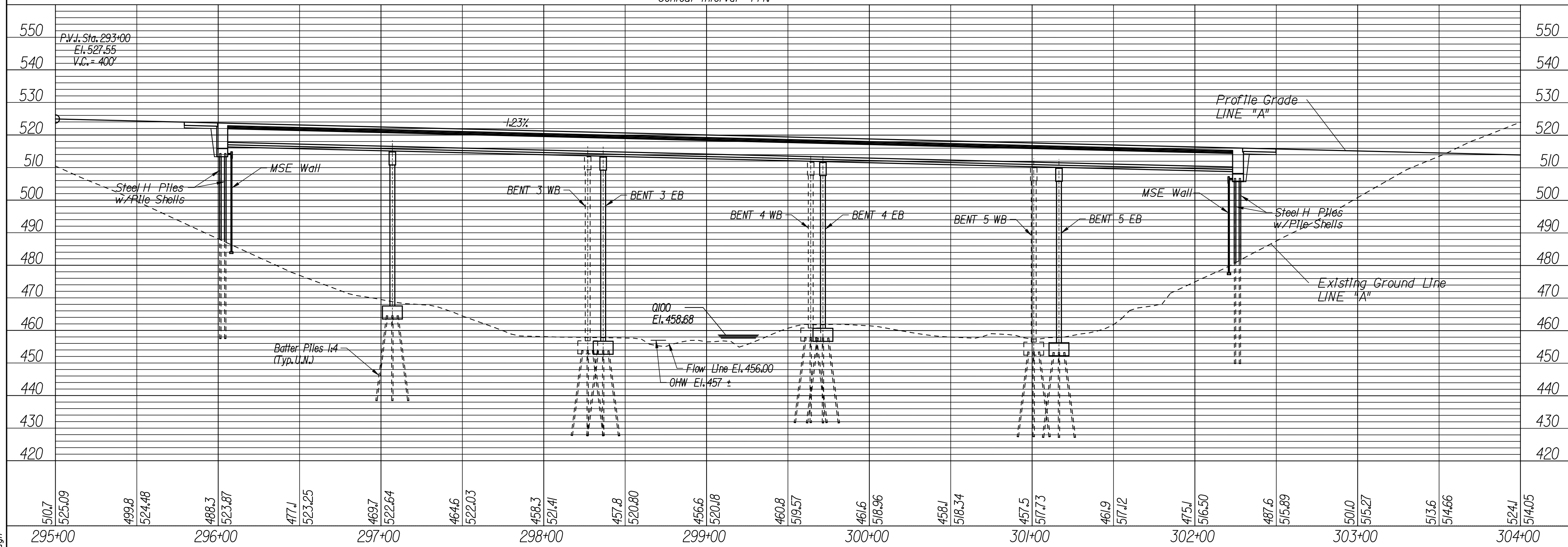
INDIANA
 DEPARTMENT OF TRANSPORTATION
 PROFILE SHEET
 LINE "A"
 STA. 297+05 TO STA. 311+00

HORIZONTAL SCALE 1" = 50'		BRIDGE FILE	
VERTICAL SCALE 1" = 10'		DESIGNATION 0900253	
SURVEY BOOK	DWG. NO. V-02	SHEET NO. 10 of 18	
CONTRACT	PROJECT 0810243		



No existing structure at this site.
Construction limits are still being determined at the time of this submission.

PLAN
Contour Interval = 1 ft.



HYDRAULIC DATA TABLE		
ITEM	UNIT	PROPOSED STRUCTURE
Drainage Area	sq mi	0.55
Q100 Discharge	cf/s	650
Q100 Elevation	ft	458.68
Q100 Backwater	ft	0
Q100 Velocity	ft/sec	4.24
Waterway Area Through Structure	sft	741.56
Minimum Low Structure Elevation	ft	506.20
Discharge Through Bridge	cf/s	650
Discharge Over Road	cf/s	0
Roadway Overflow Area	sft	0
Q500 Scour Elevation		448.55

CONTINUOUS COMPOSITE PRESTRESSED
CONCRETE BULB-TEE BEAM BRIDGE
CLARK COUNTY

WBL: 5 Spans: 104', 120', 2 @ 137', & 126' EBL: 5 SPANS: 104', 130', 135', 145', & 110'
Skew: SQUARE
Clear Roadway WBL: VARIES (54'-4" MAX.) EBL: VARIES (55'-8" MAX.)

For alignment ties and benchmarks,
see Road Plans:
Des. No. 0810242 S.R. 265 Section "B"
Des. No. 0810243 S.R. 265 Section "C"

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE _____

DESIGNED: RSR DRAWN: RLH

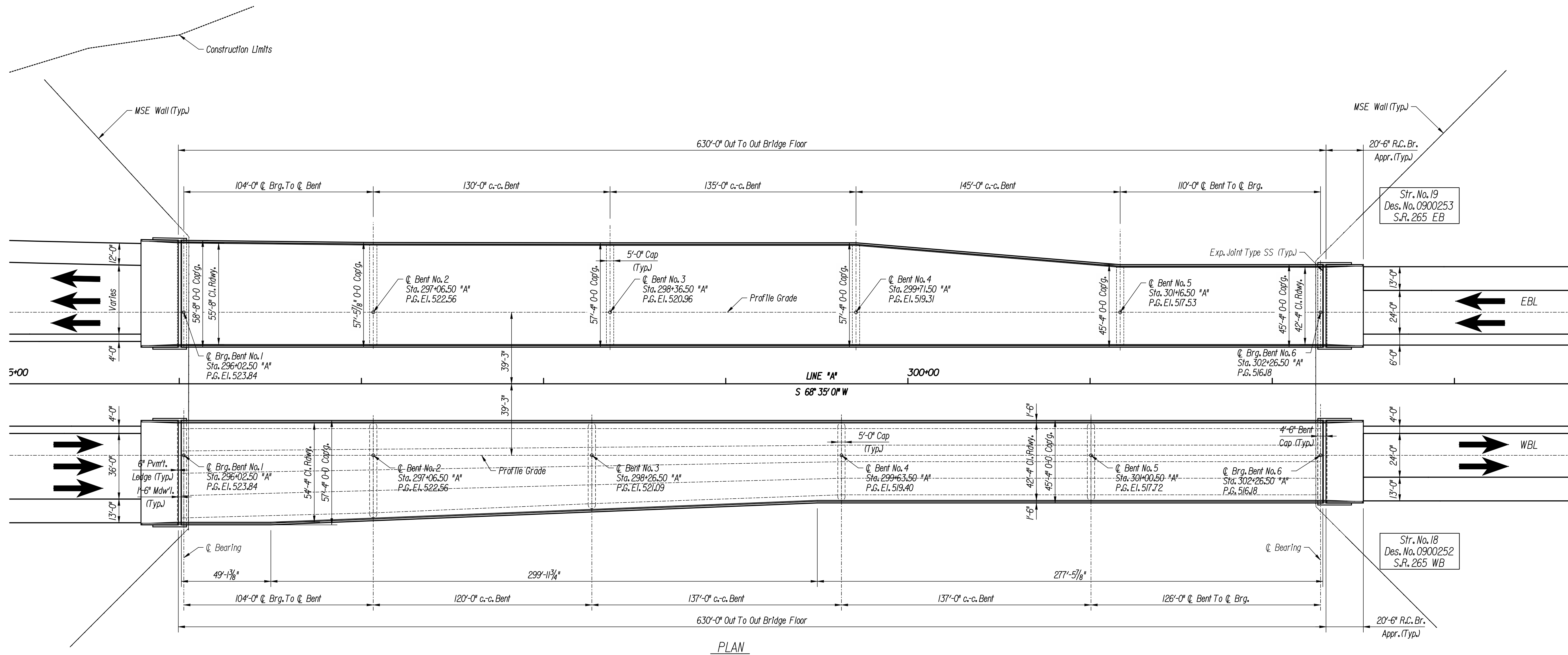
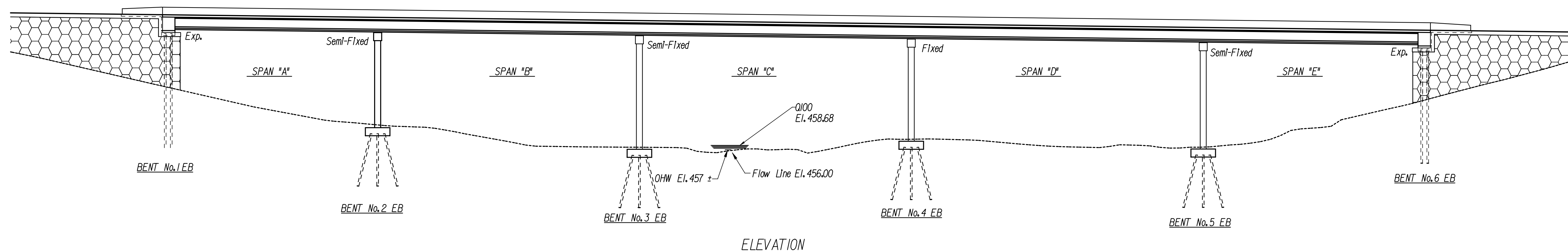
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INDIANA
DEPARTMENT OF TRANSPORTATION
S.R. 265 OVER LENTZIER
CREEK TRIBUTARIES
LAYOUT

HORIZONTAL SCALE 1" = 40'	BRIDGE FILE TBD	
VERTICAL SCALE 1" = 20'	DESIGNATION 0900252	
SURVEY BOOK	DWG. NO. LY-01	SHEET NO. 11 of 18
CONTRACT TBD	PROJECT 0900252	

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STRUCTURES TO BE BUILT TO A -1.23% GRADE



CONTINUOUS COMPOSITE PRESTRESSED
CONCRETE BULB-TEE BEAM BRIDGE
CLARK COUNTY

WBL: 5 Spans: 104', 120', 2 @ 137', & 126' EBL: 5 SPANS: 104', 130', 135', 145', & 110'
Skew: SQUARE
Clear Roadway WBL: VARIES (54'-4" MAX.) EBL: VARIES (55'-8" MAX.)

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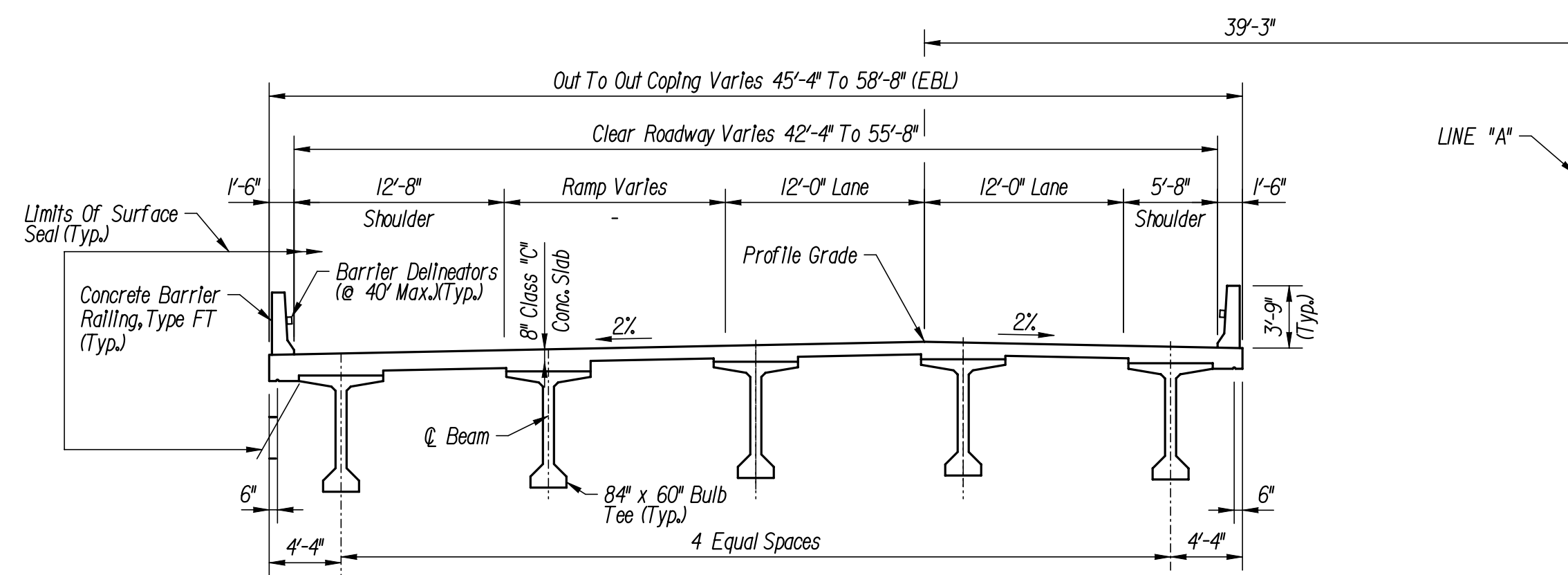
RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: RSR DRAWN: RLH
CHECKED: AJS CHECKED: AJS

INDIANA DEPARTMENT OF TRANSPORTATION

S.R. 265 OVER LENTZIER CREEK TRIBUTARIES
GENERAL PLAN

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE TBD
VERTICAL SCALE	DESIGNATION 0900252
SURVEY BOOK	DWG. NO. GP-01
	SHEET NO. 12 of 18
CONTRACT TBD	PROJECT 0900252



STRUCTURE 19
Des. No. 0900253

TYPICAL SECTION

CONSTRUCTION LOADING

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

Deck Falsework Loads: Designed for 15 lb./sq.ft. for permanent metal stay-in-place deck forms, removable deck forms, and 2 ft. exterior walkway.

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

Finishing Machine Load: 4500 lb. distributed over 10 ft. along the coping.

Wind Load: Designed for 70 mph horizontal wind loading of 50 lb./sq.ft. in accordance with AASHTO Guide Design Specifications for Bridge Temporary Works (1995), Figure 21.

DESIGN DATA

Superstructure and substructure designed for HL-93 Loading in accordance with the AASHTO LRFD Bridge Design Specifications, 5th Edition, and Interims through 2010.

Dead Load: Actual weight plus 35 P.S.F. (Composite) for future wearing surface and 15 P.S.F. (Non-Composite) for permanent metal deck forms.

Floor slab designed with $7\frac{1}{2}$ " structural depth plus a $\frac{1}{2}$ " integral wearing surface.

Seismic Load: Designed for Seismic Performance Zone 1.

Class "A" Concrete $f'_c = 3500$ p.s.i.
Class "B" Concrete $f'_c = 3000$ p.s.i.
Class "C" Concrete $f'_c = 4000$ p.s.i.
Reinforcing Steel (Grade 60) $F_y = 60,000$ p.s.i.

GENERAL NOTES

Reinforcing steel covering shall be $2\frac{1}{2}$ " in the top and 1" min. in the bottom of floor slab, 3" in footings except bottom steel which shall be 4", and 2" in all other parts, unless noted.

Surface Seal top of bridge deck, concrete railings, copings, underside of deck from coping to face of outside beam, top of interior bent caps and all exposed wingwall faces. Estimated Quantity = XXXX Sft.

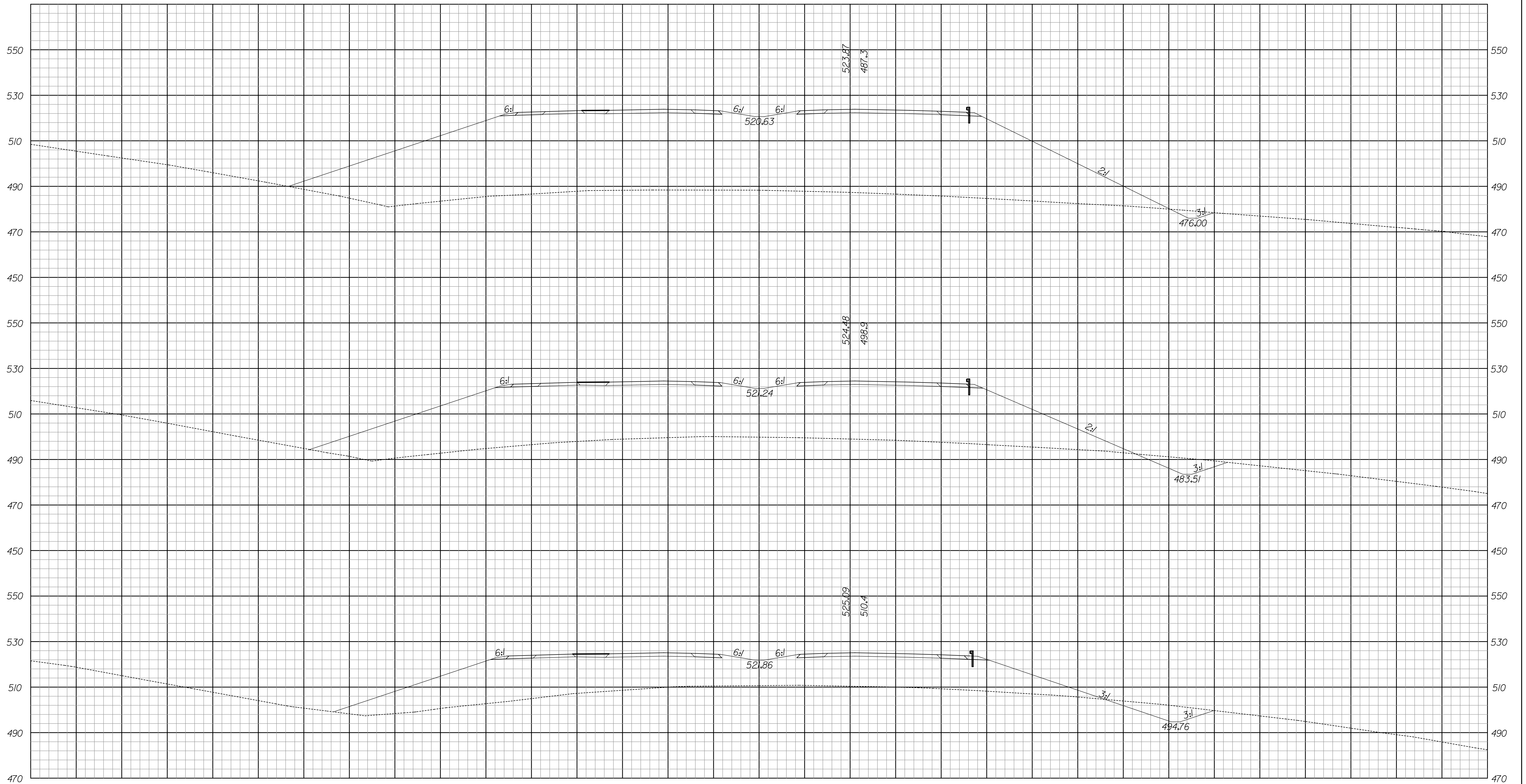
CONTINUOUS COMPOSITE PRESTRESSED
CONCRETE BULB-TEE BEAM BRIDGE
CLARK COUNTY

WBL: 5 Spans: 104', 120', 2 @ 137', & 126' EBL: 5 SPANS: 104', 130', 135', 145', & 110'
Skew: SQUARE
Clear Roadway WBL: VARIES (54'-4" MAX.) EBL: VARIES (55'-8" MAX.)

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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE	BRIDGE FILE		
			$\frac{1}{8}" = 1'-0"$	TBD		
			VERTICAL SCALE	DESIGNATION		
DESIGNED: RSR	DRAWN: RLH	S.R. 265 OVER LENTZIER CREEK TRIBUTARIES		SURVEY BOOK	DWG. NO.	SHEET NO.
CHECKED: AJS	CHECKED: SJS	GENERAL PLAN		GP-02	13 of 18	
				CONTRACT	PROJECT	
				TBD	0900252	

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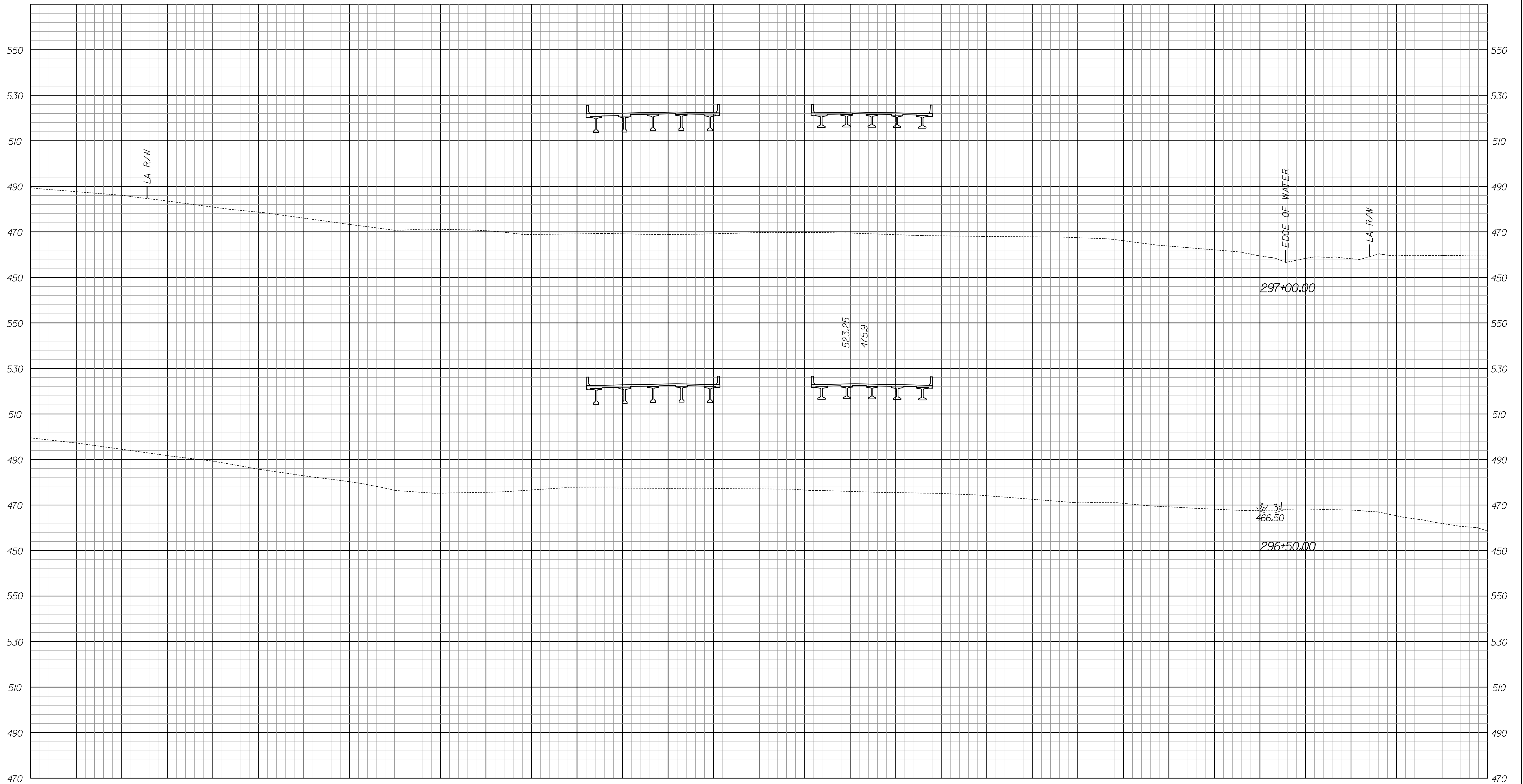
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 CHECKED: JLC CHECKED: JMM

INDIANA
 DEPARTMENT OF TRANSPORTATION
 CROSS SECTIONS
 LINE "A"
 STA. 295+00 TO STA. 296+00

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VERTICAL SCALE 1" = 20'	DESIGNATION 0900253	
SURVEY BOOK	DWG. NO. XS-01	SHEET NO. 14 of 18
CONTRACT	PROJECT 0810243	

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DESIGN ENGINEER DATE

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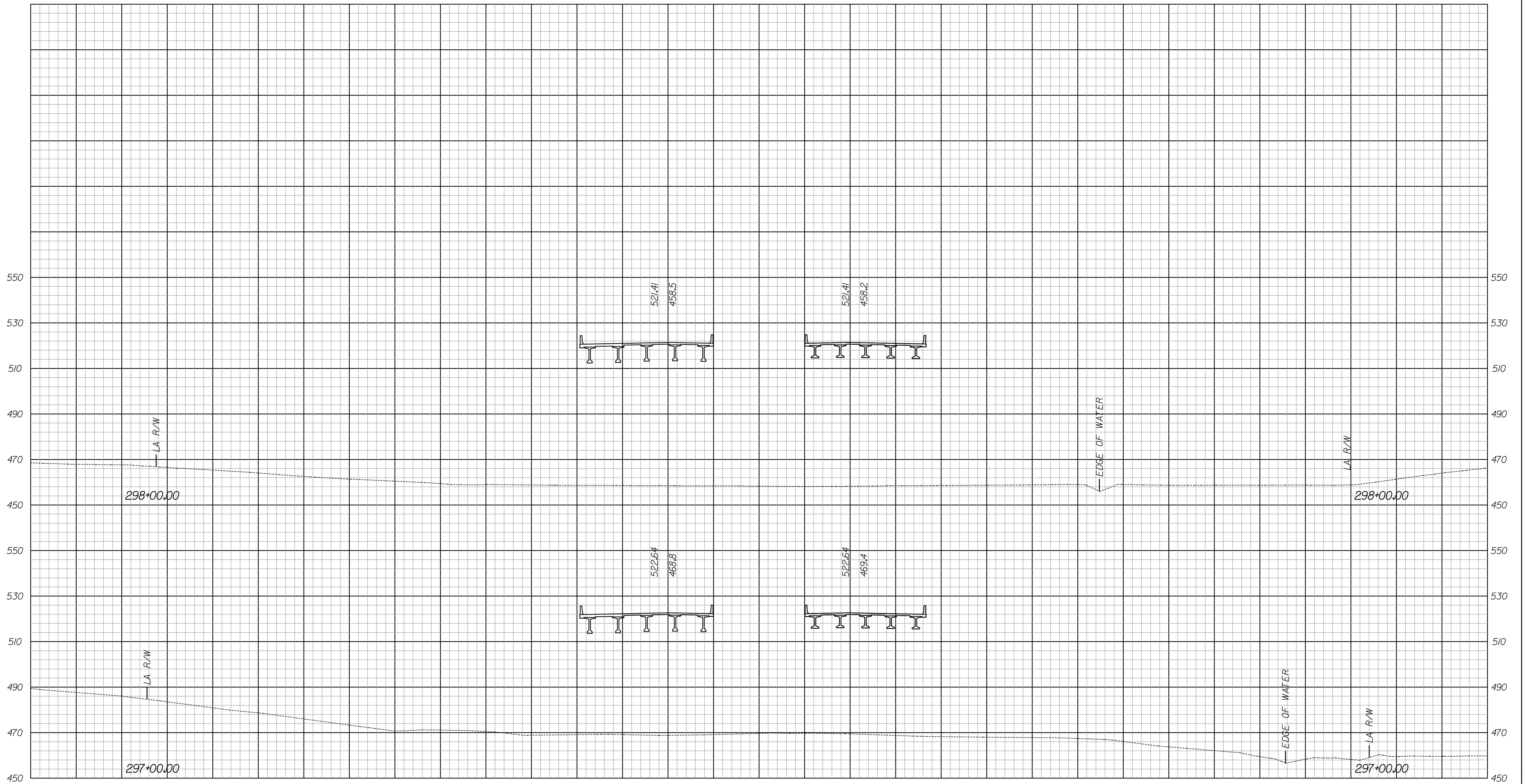
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"
STA. 296+50 TO STA. 297+00

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VERTICAL SCALE 1" = 20'	DESIGNATION 0900253	
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CONTRACT	PROJECT 0810243	

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DESIGN ENGINEER DATE

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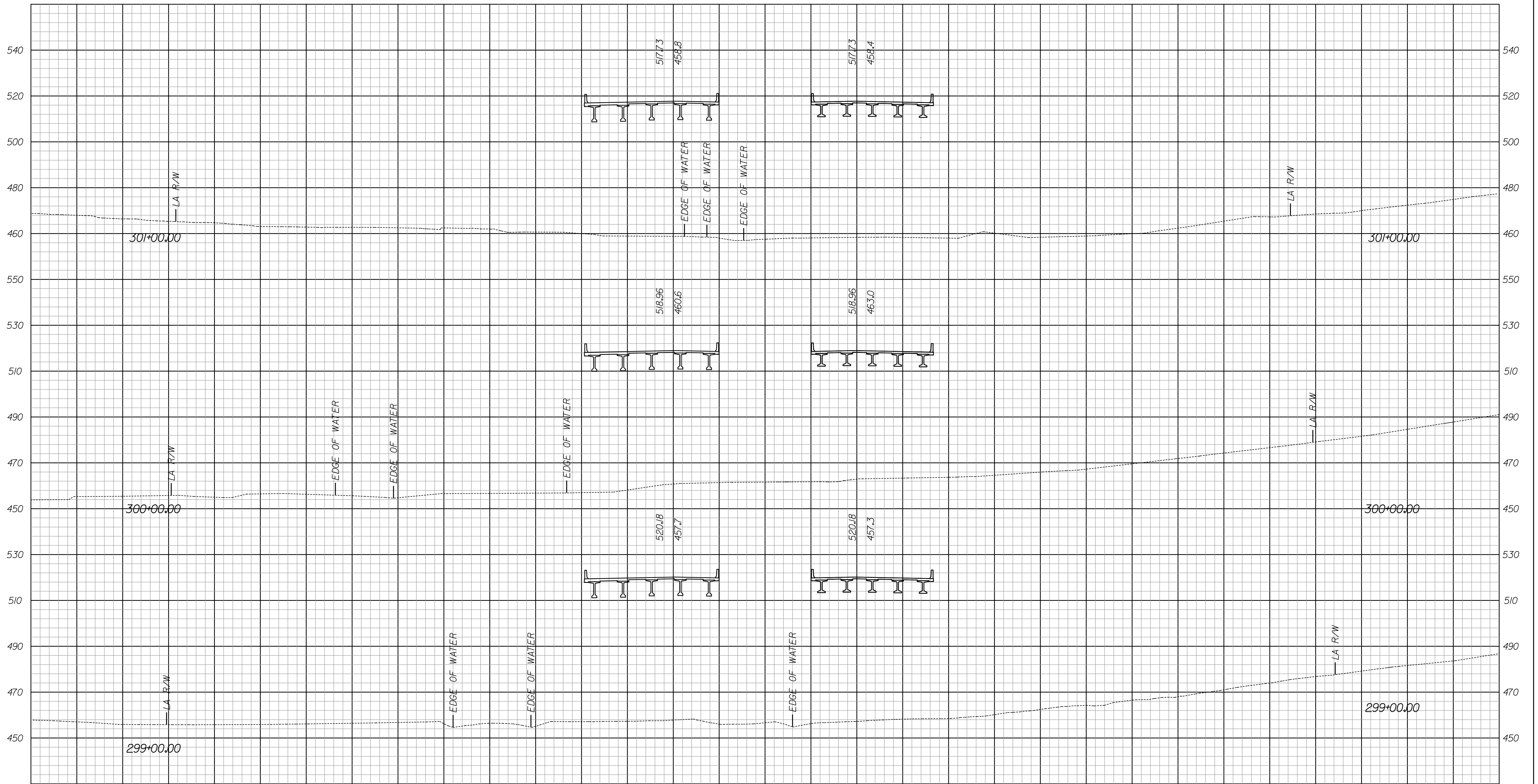
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"
STA. 297+00.00 TO 298+00.00

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VERTICAL SCALE 1" = 20'	DESIGNATION 0900253	
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CONTRACT	PROJECT 0810243	

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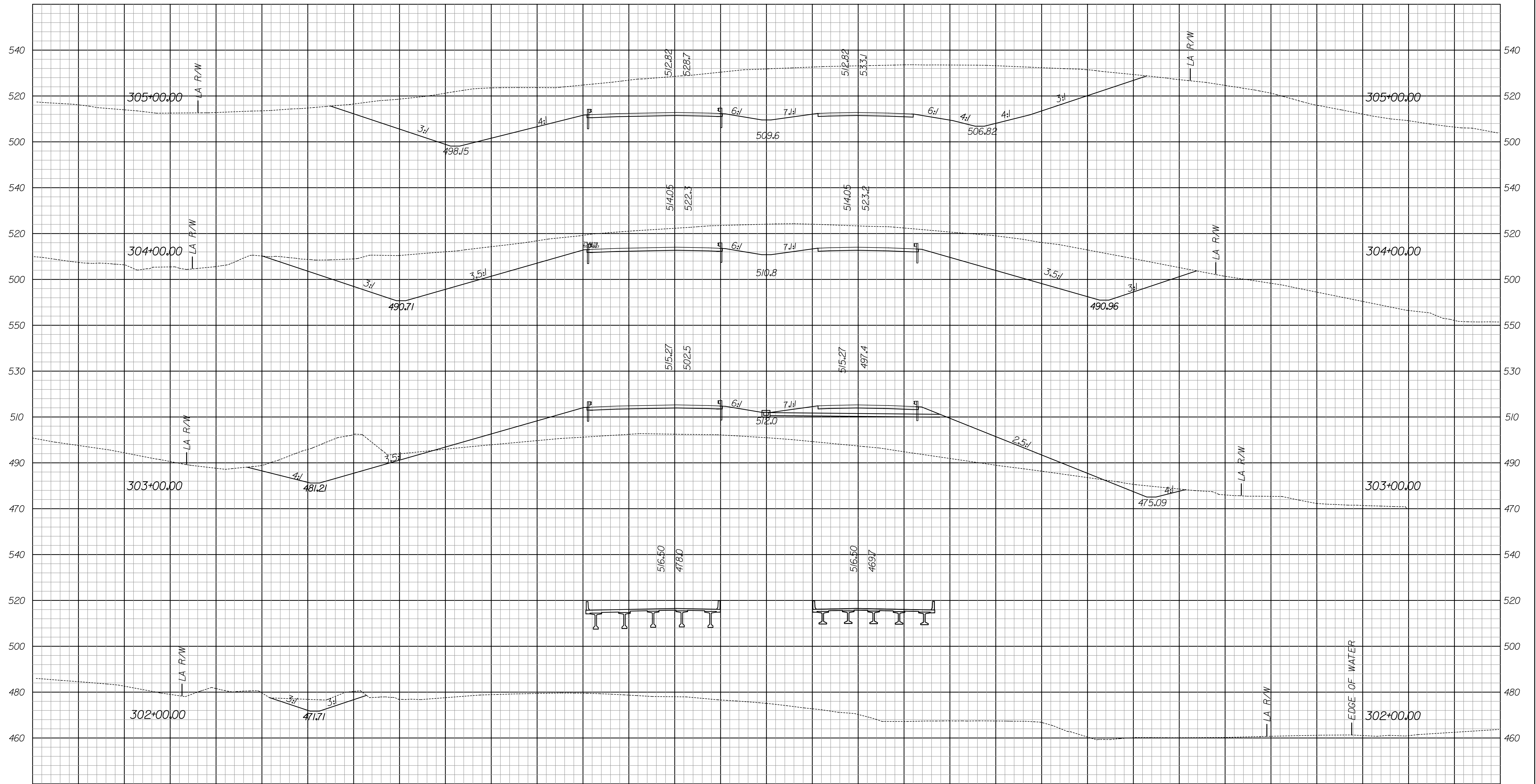
INDIANA DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS LINE "A" STA. 299+00.00 TO 301+00.00

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VERTICAL SCALE 1" = 20'	DESIGNATION 0900253	
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CONTRACT	PROJECT 0810243	

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INDIANA DEPARTMENT OF TRANSPORTATION
 CROSS SECTIONS LINE "A"
 STA. 302+00.00 TO 305+00.00

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VERTICAL SCALE 1" = 20'	DESIGNATION 0900253	
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CONTRACT	PROJECT 0810243	

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