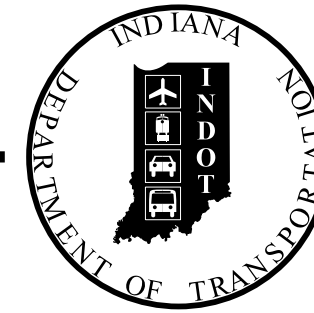


PROJECT	DESIGNATION
1900153	1900153
CONTRACT	BRIDGE FILE NO.
B-42218	044-041-10721

# INDIANA DEPARTMENT OF TRANSPORTATION



TRAFFIC DATA		
A.A.D.T.	(2023)	2,307 V.P.D.
A.A.D.T.	(2043)	2,472 V.P.D.
D.H.V	(2043)	247 V.P.D.
DIRECTIONAL DISTRIBUTION		50.13 %
TRUCKS		4.84 % A.A.D.T. 4.24 % D.H.V.
DESIGN DATA		
DESIGN SPEED	55 M.P.H.	
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)	
FUNCTIONAL CLASSIFICATION	STATE COLLECTOR	
RURAL/URBAN	RURAL	
TERRAIN	LEVEL	
ACCESS CONTROL	NONE	

STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
044-041-10721	PRECAST REINFORCED CONCRETE THREE-SIDED BRIDGE	1 Span: 24'-0" Skew: 00°	UNT Koots Fork	13+90.00 "A"

KIN PROJECT INFORMATION	
DESIGNATION	PROJECT DESCRIPTION
1802998	Superstructure Replacement
1593119	Superstructure Replacement

## BRIDGE PLANS

FOR SPANS OVER 20 FEET

ROUTE: SR 44 AT: RP 10+70

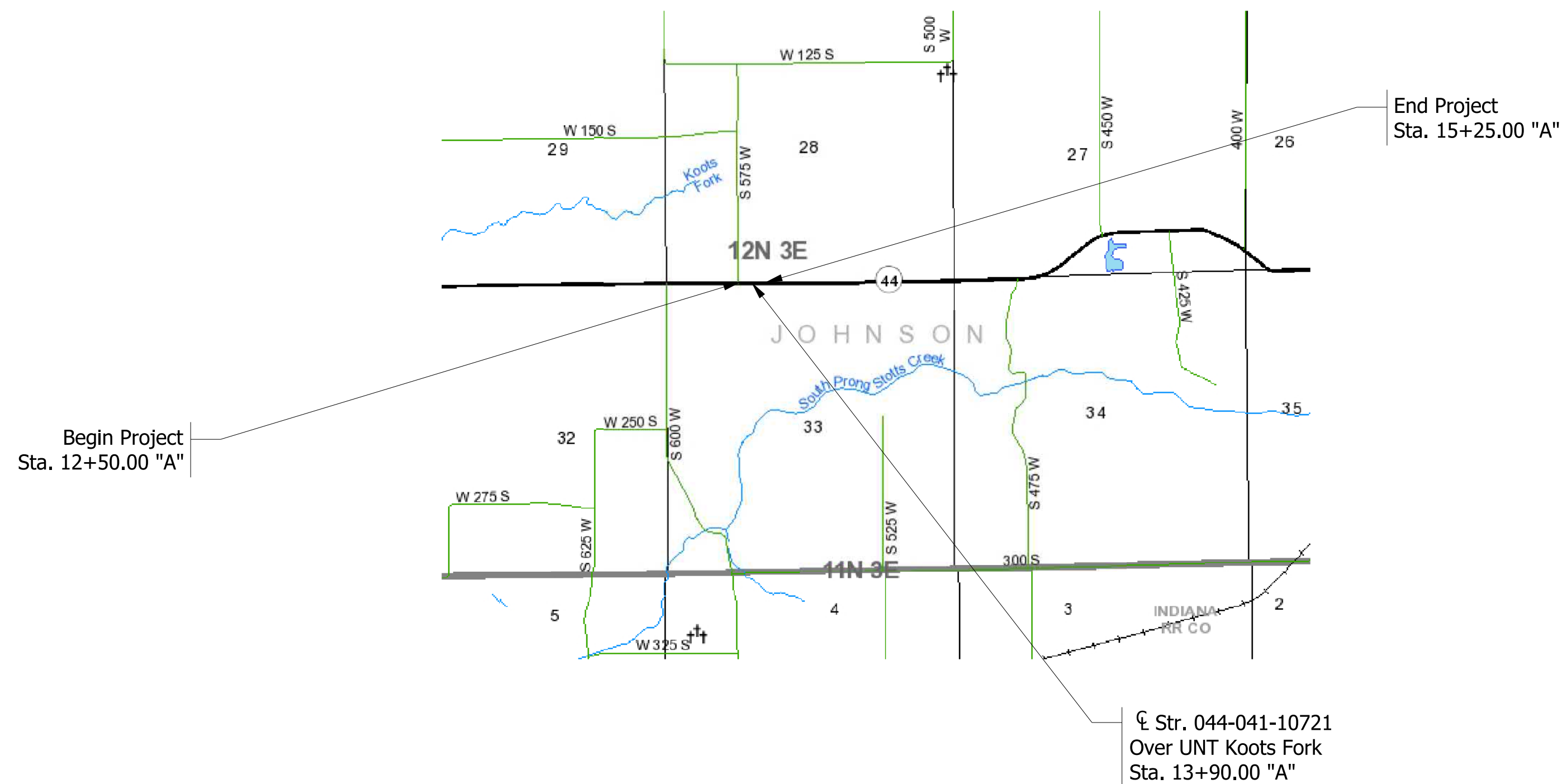
PROJECT NO. 1900153 P.E.  
1900153 R/W  
1900153 CONST.

Note to Reviewer:

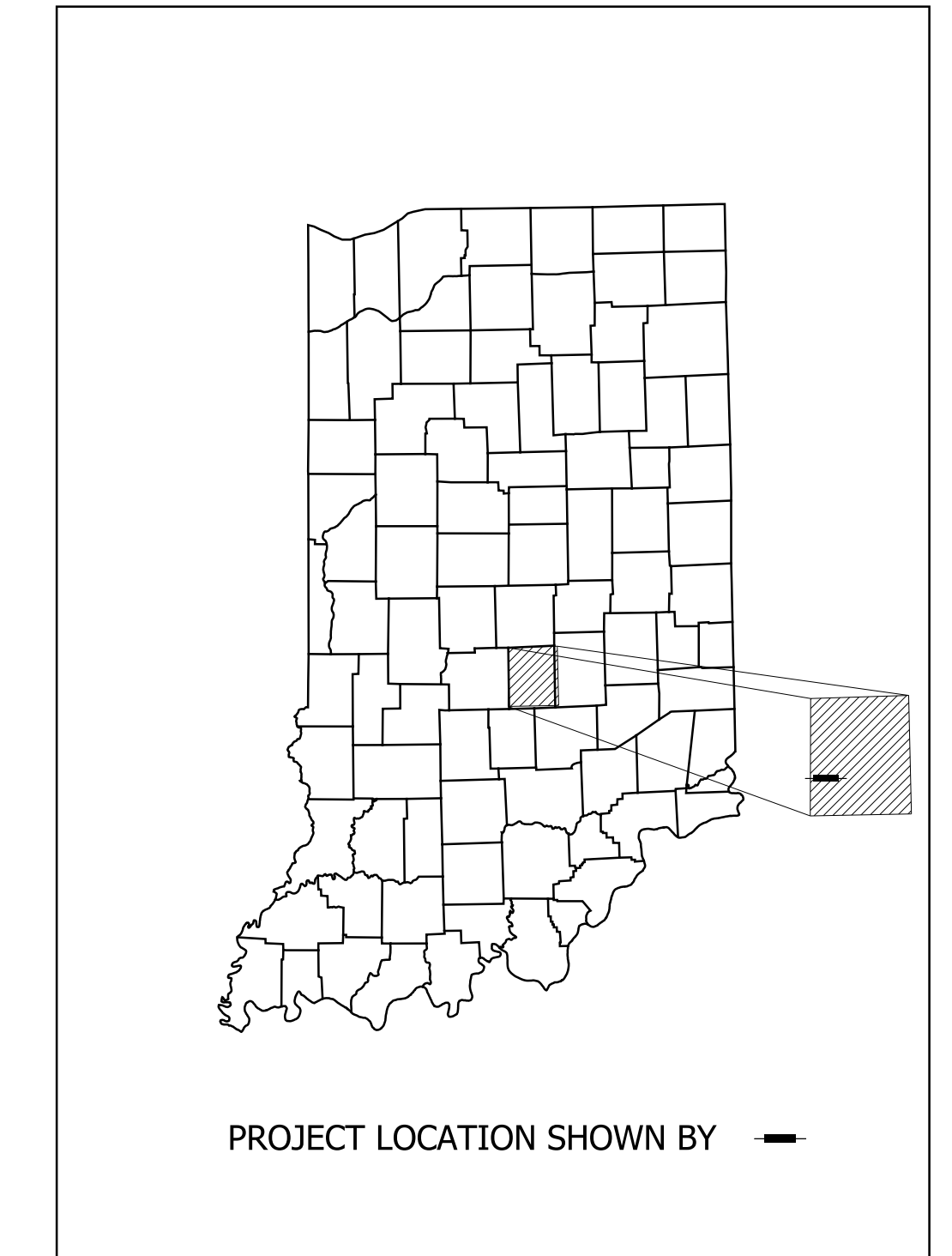
After Stage 1 submittal was returned, plans were sent to the Geotechnical Engineer to start the fieldwork. After the borings had been completed the Geotechnical Engineer indicated that with a shallow layer of stiff clay loan under the structure a three sided precast concrete structure may be more appropriate at this location. After further evaluation of the alternatives and discussing the options with the Seymour District, it was decided to proceed with the three-sided precast alternate. The SS&T documentation has been updated to show this new comparison and it shows that the three-sided alternate is more economical over time than the original alternate. The plans now show a three-sided precast reinforced concrete structure.

If you have any questions about what has transpired on this project please contact me. Eric Brunn, PE 5/26/22

New Bridge on SR 44 over UNT Koots Fork  
Located 10.70 Miles East of SR 37  
Sections 28 & 33, T-12-N, R-3-E, Franklin Township, Johnson County, Indiana



SCALE: 1" = 2000'



LATITUDE: 39° 26' 45"	LONGITUDE: 86° 12' 35"
BRIDGE LENGTH: 0.004 MI.	ROADWAY LENGTH: 0.048 MI.
TOTAL LENGTH: 0.052 MI.	MAX. GRADE: -1.39 %
HUC: 051202011404	

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

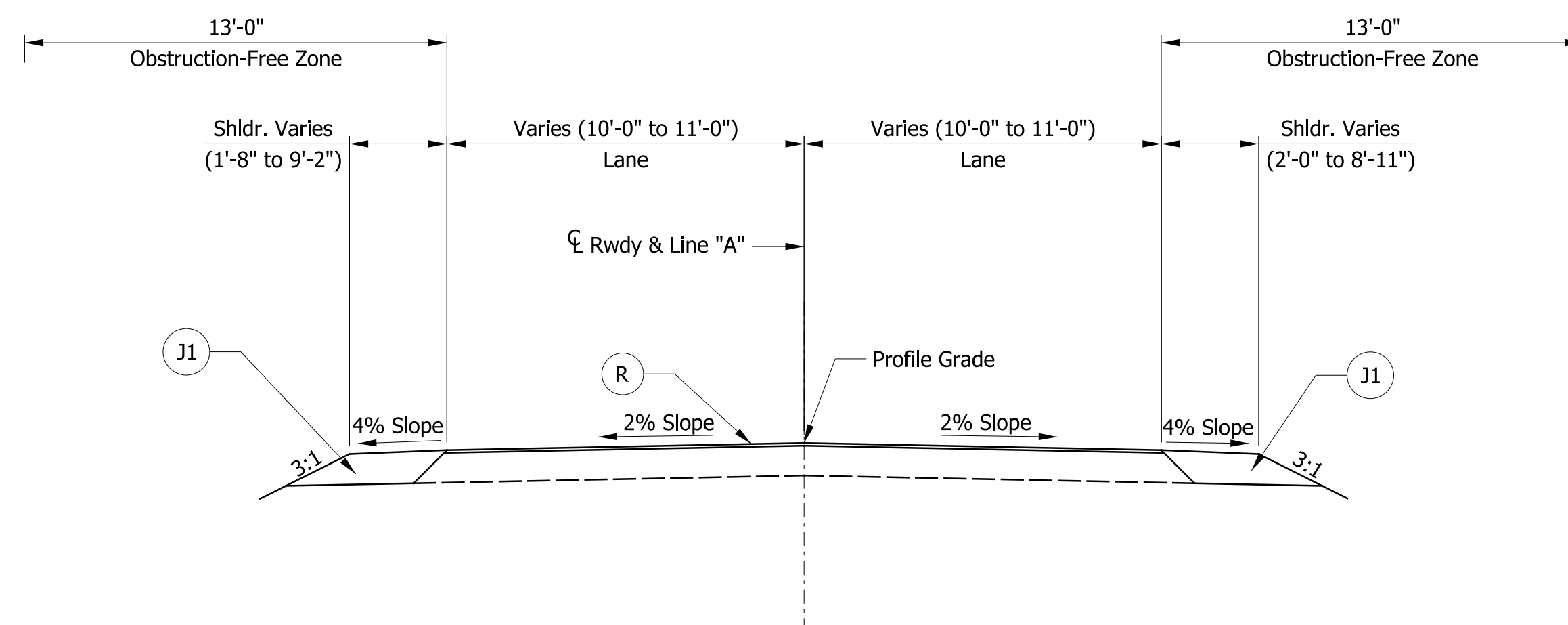


PLANS PREPARED BY:	STRAND ASSOCIATES, INC.	(812) 372-9911
	629 WASHINGTON ST., COLUMBUS, IN 47201	PHONE NUMBER
CERTIFIED BY:		DATE
APPROVED FOR LETTING:	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

BRIDGE FILE NO.	
044-041-10721	
DESIGNATION	
1900153	
SURVEY BOOK	SHEETS
	1 of 17
CONTRACT	PROJECT
B-42218	1900153

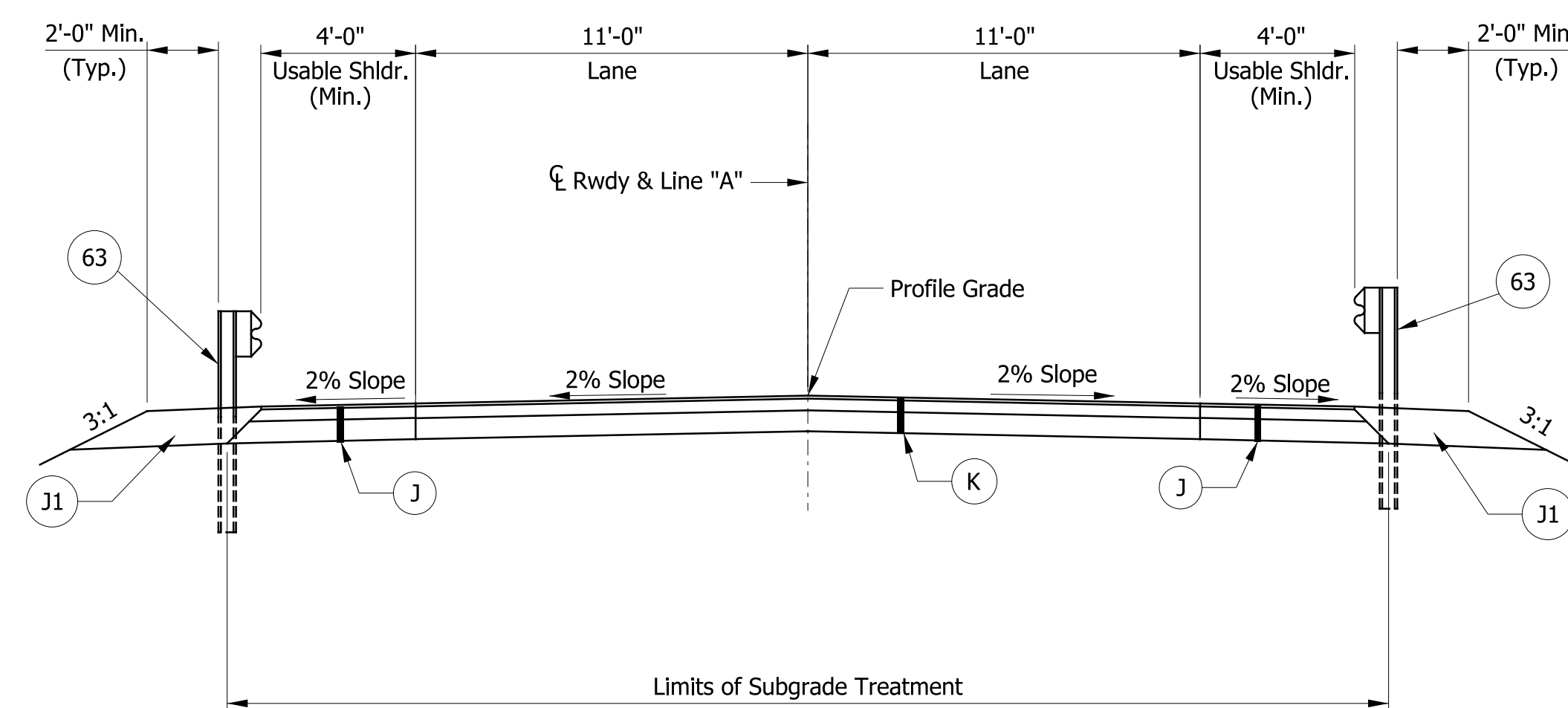
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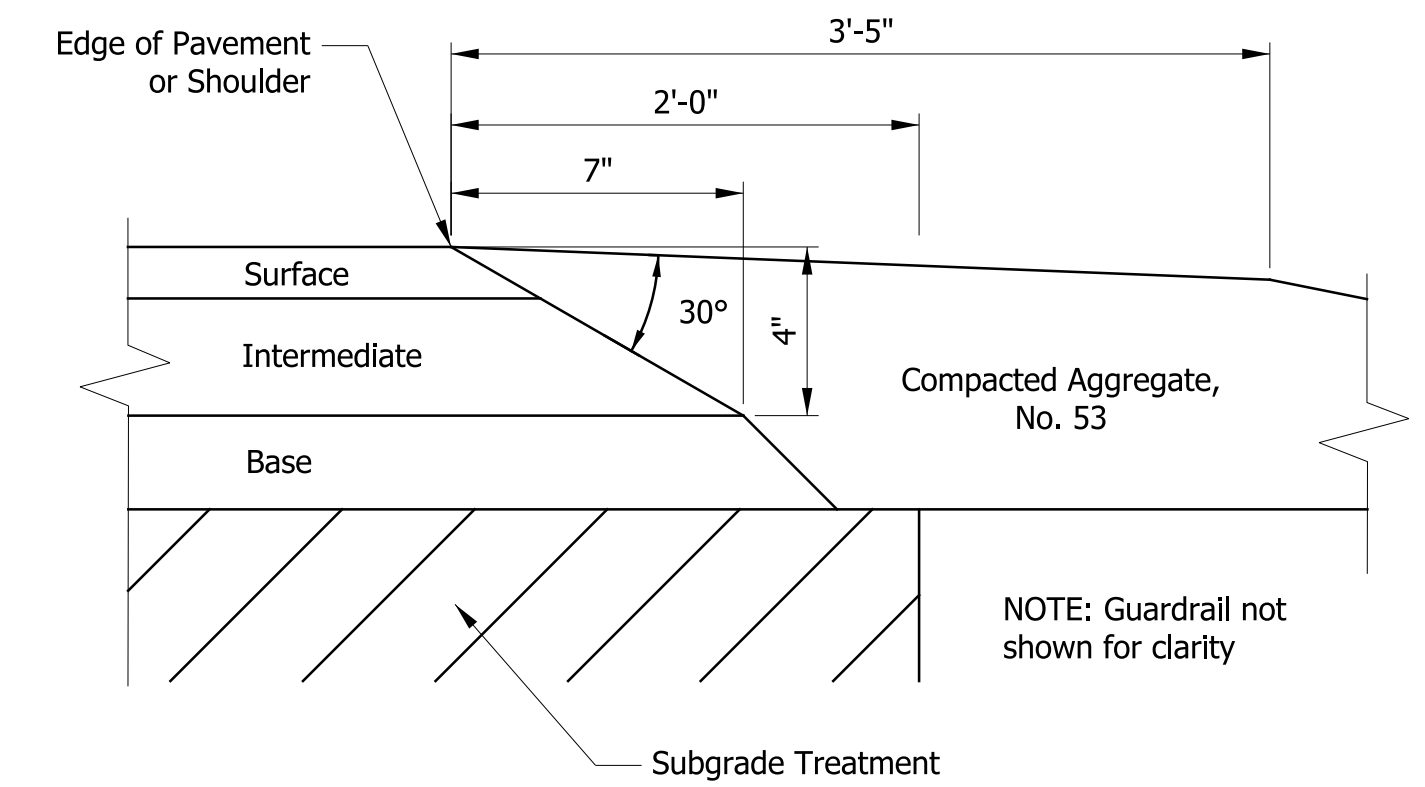
**TYPICAL SECTION - INCIDENTAL CONSTRUCTION**

Sta. 11+50.00 "A" to Sta. 12+50.00 "A"  
Sta. 15+25.00 "A" to Sta. 16+25.00 "A"

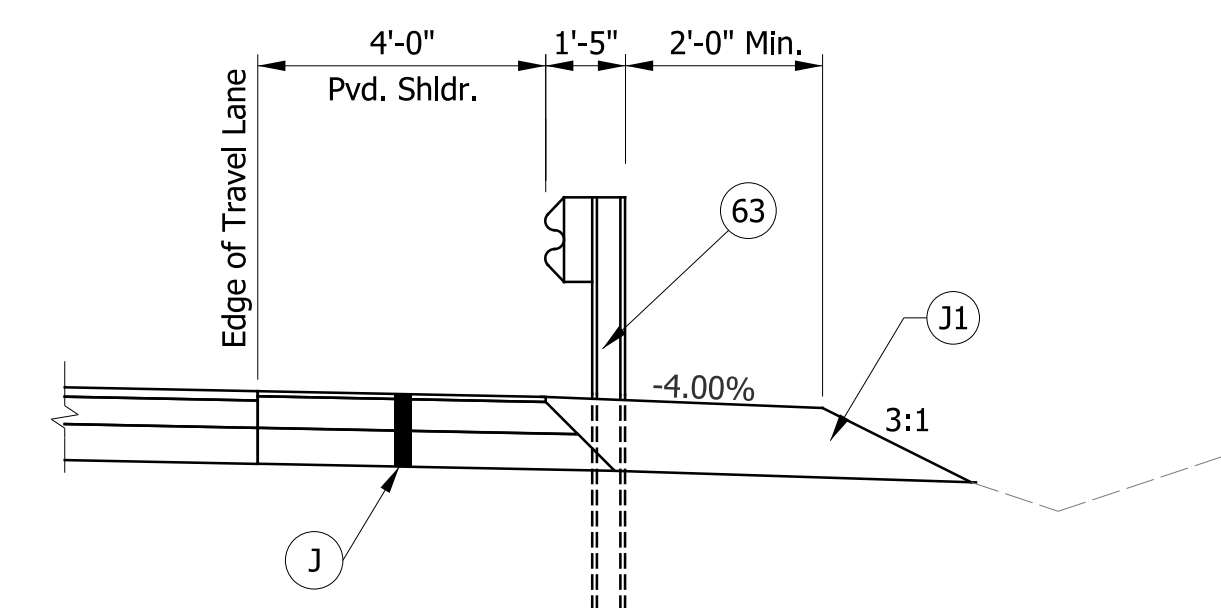


**TYPICAL FULL DEPTH SECTION**

Sta. 12+50.00 "A" to Sta. 15+25.00 "A"



**SAFETY EDGE ON HMA PAVEMENT**



**SHOULDER TREATMENT WITH GUARDRAIL**

Sta. 12+83.67 "A" Lt. to Sta. 15+77.42 "A" Lt.  
Sta. 12+03.06 "A" Rt. to Sta. 14+96+18 "A" Rt.

**LEGEND**

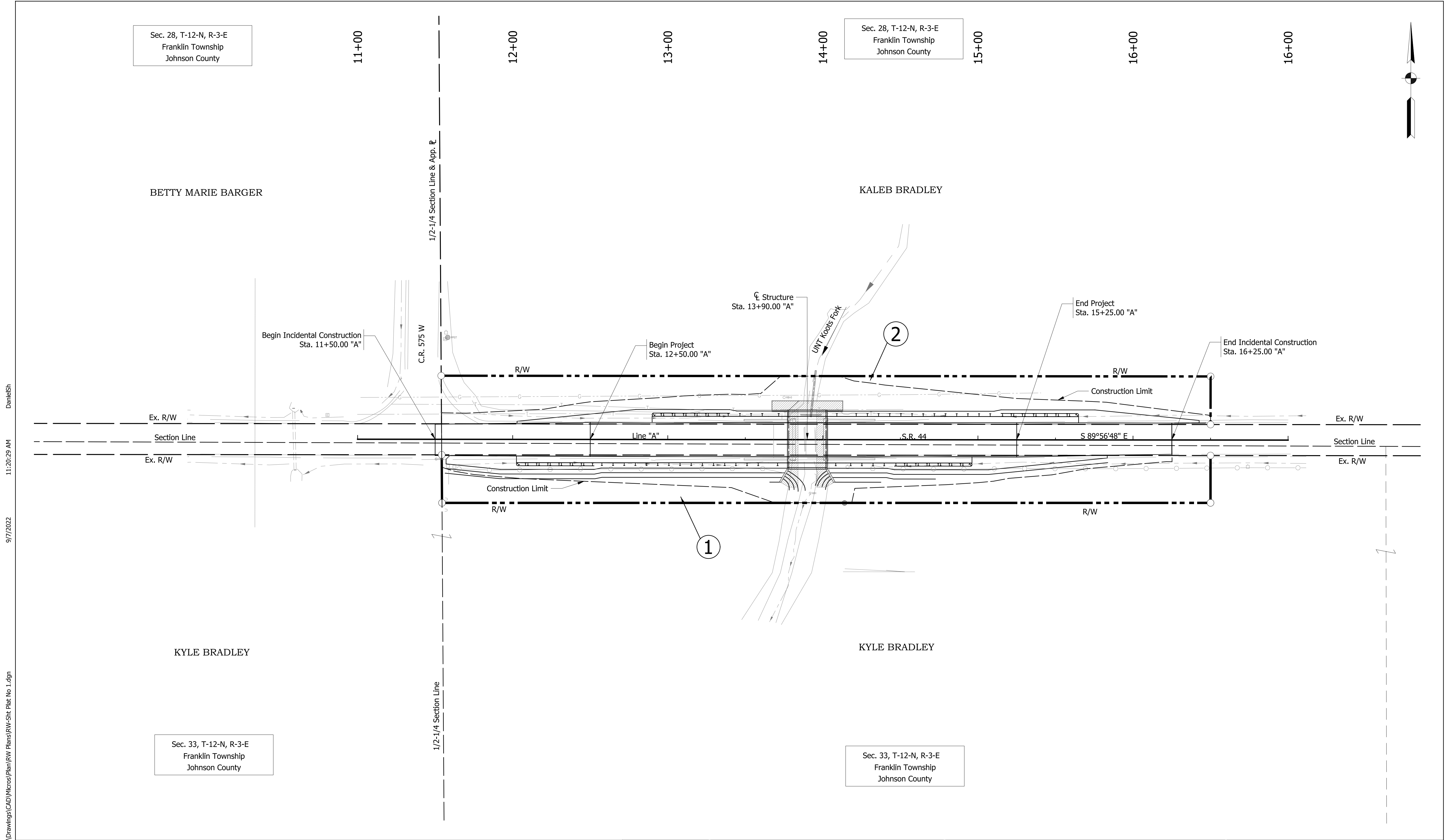
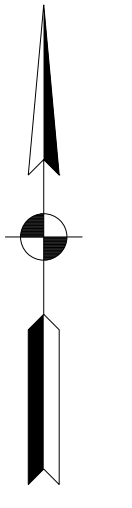
- 63 Guardrail, MGS W-Beam, 6'-3" Spacing
- J Full Depth, HMA Shoulder  
165 lbs/syd QC/QA-HMA, 4, 76, Surface, 9.5 mm on  
275 lbs/syd QC/QA-HMA, 4, 76, Intermediate, 19.0 mm on  
1100 lbs/syd QC/QA-HMA, 4, 64, Base, 25.0 mm on  
Subgrade Treatment, Type IC
- J1 Compacted Aggregate No. 53
- K Full Depth HMA Pavement  
165 lbs/syd QC/QA-HMA, 4, 76, Surface, 9.5 mm on  
275 lbs/syd QC/QA-HMA, 4, 76, Intermediate, 19.0 mm on  
1100 lbs/syd QC/QA-HMA, 4, 64, Base, 25.0 mm on  
Subgrade Treatment, Type IC
- R 165 lbs/syd QC/QA-HMA, 4, 76, Surface, 9.5 mm on  
Milling Surface

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: DHS	DRAWN: TMN		
CHECKED: DEB	CHECKED: DEB		

INDIANA  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS  
SR 44 OVER UNT KOOTS FORK

HORIZONTAL SCALE	BRIDGE FILE NO.
1/4" = 1'-0"	044-041-10721
VERTICAL SCALE	DESIGNATION NO.
1/4" = 1'-0"	1900153
SURVEY BOOK NO.	SHEETS
	3 of 17
CONTRACT NO.	PROJECT NO.
B-42218	1900153



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Sec. 28, T-12-N, R-3-E  
Franklin Township  
Johnson County

Sec. 28, T-12-N, R-3-E  
Franklin Township  
Johnson County

Sec. 33, T-12-N, R-3-E  
Franklin Township  
Johnson County

Sec. 33, T-12-N, R-3-E  
Franklin Township  
Johnson County

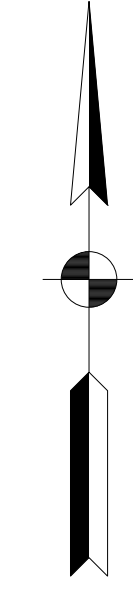
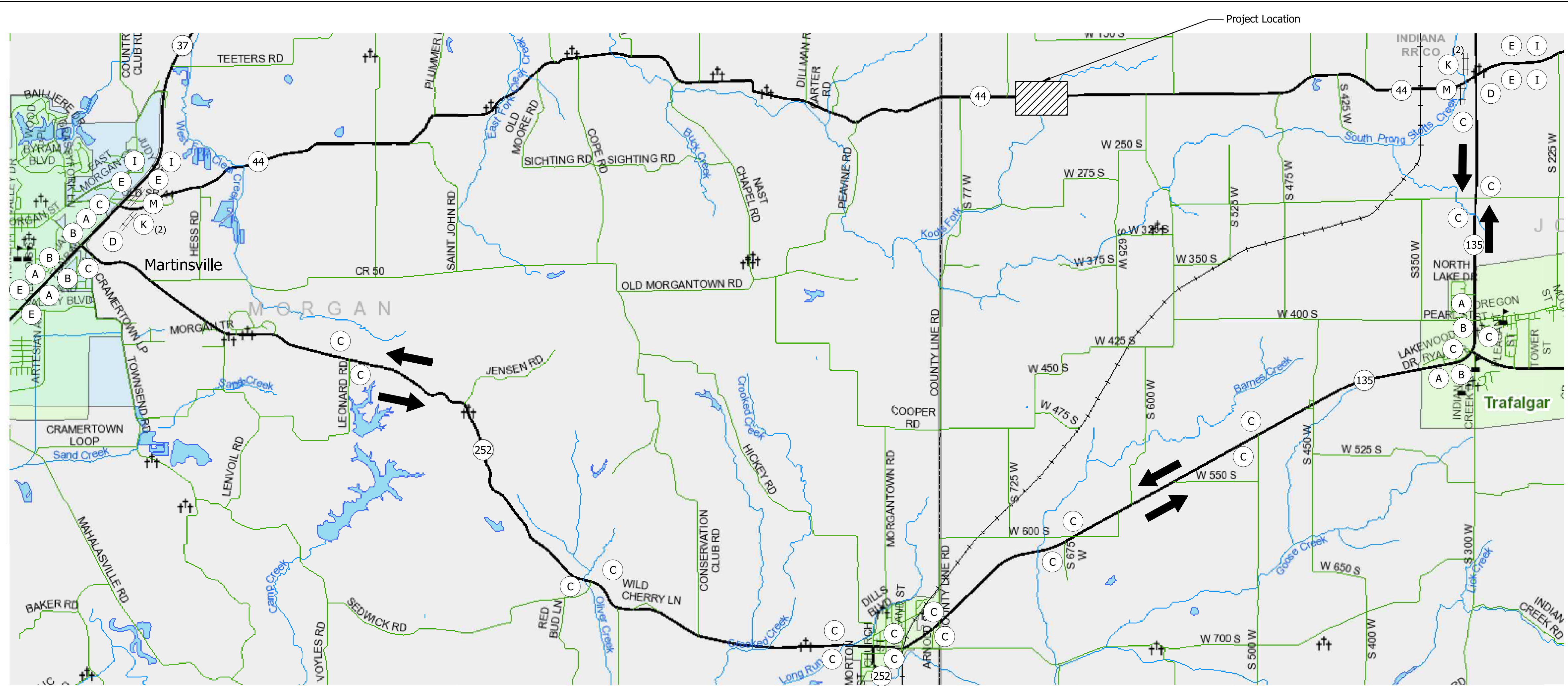
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DESIGNED: DHS	DRAWN: TMN
CHECKED: DEB	CHECKED: DEB

INDIANA  
DEPARTMENT OF TRANSPORTATION

PLAT NO. 1  
S.R. 44 OVER UNT KOOTS FORK

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE NO. 044-041-10721
VERTICAL SCALE NA	DESIGNATION NO. 1900153
SURVEY BOOK NO.	SHEETS 4 of 17
CONTRACT NO. B-42218	PROJECT NO. 1900153





**Legend**

- Posted Detour Route
- Traffic Flow Arrow
- Construction Sign
- Barricade III-A
- Barricade III-B

**Detour Route Marker Assemblies**

A	DRMA (Advance Turn)	5	Ea.
B	DRMA (Directional)	5	Ea.
C	DRMA (Confirming)	22	Ea.
D	DRMA (End)	2	Ea.

**Type A Construction Signs**

E	XW20-2 (Detour Ahead)	6	Ea.
F	XW20-3 (Road Closed _____)	16	Ea.
G	XG20-5 (Closure Date)	2	Ea.

**Type A Construction Signs**

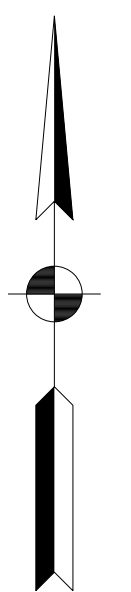
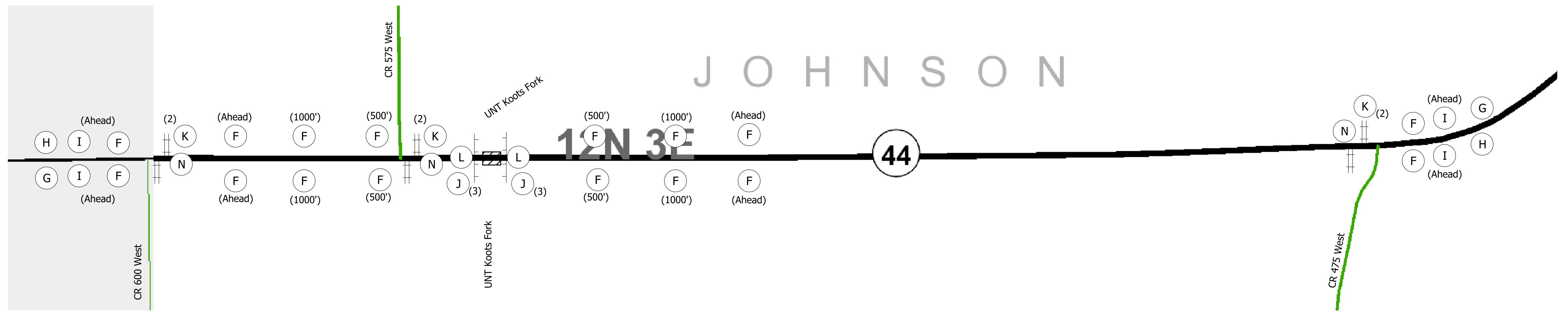
H	XG20-2 (End Construction)	2	Ea.
I	XW20-1 (Road Construction Ahead)	8	Ea.

**Barricades**

J	Barricade, Type III-A (No. of 12' Units)	72	Lft. (6)
K	Barricade, Type III-B (No. of 12' Units)	120	Lft. (10)

**Road Closure Sign Assemblies**

L	RCSA (R11-2)	2	Ea.
M	RCSA (R11-3) w/ (XM4-10 L/R)	2	Ea.
N	RCSA (R11-2)	3	Ea.



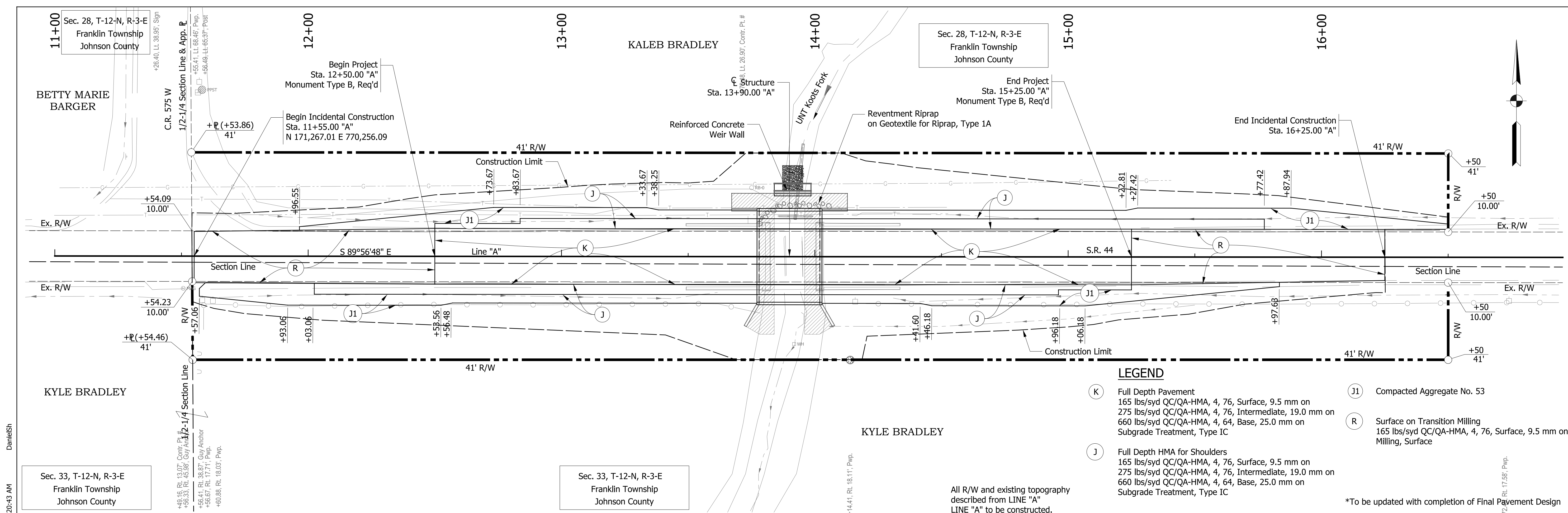
**Project Location Detail**  
Not to Scale

- NOTES**
- Typical sign spacing is 500 feet.
  - For detour route marker assemblies (A), (B), (C), and (D), see Standard Drawing E 801-TCDT-04.
  - Construction Signs along SR 37 shall be placed on the Right Shoulder and the Median Shoulder.

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RECOMMENDED FOR APPROVAL _____ DESIGNED: DHS CHECKED: DEB	DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION  MAINTENANCE OF TRAFFIC SR 44 OVER UNT KOOTS FORK	HORIZONTAL SCALE NA	BRIDGE FILE NO. 044-041-10721
	DRAWN: TMN CHECKED: DEB		VERTICAL SCALE 5000.0000' / in.	DESIGNATION NO. 1900153
			SURVEY BOOK NO.	SHEETS 5 of 17
			CONTRACT NO. B-42218	PROJECT NO. 1900153



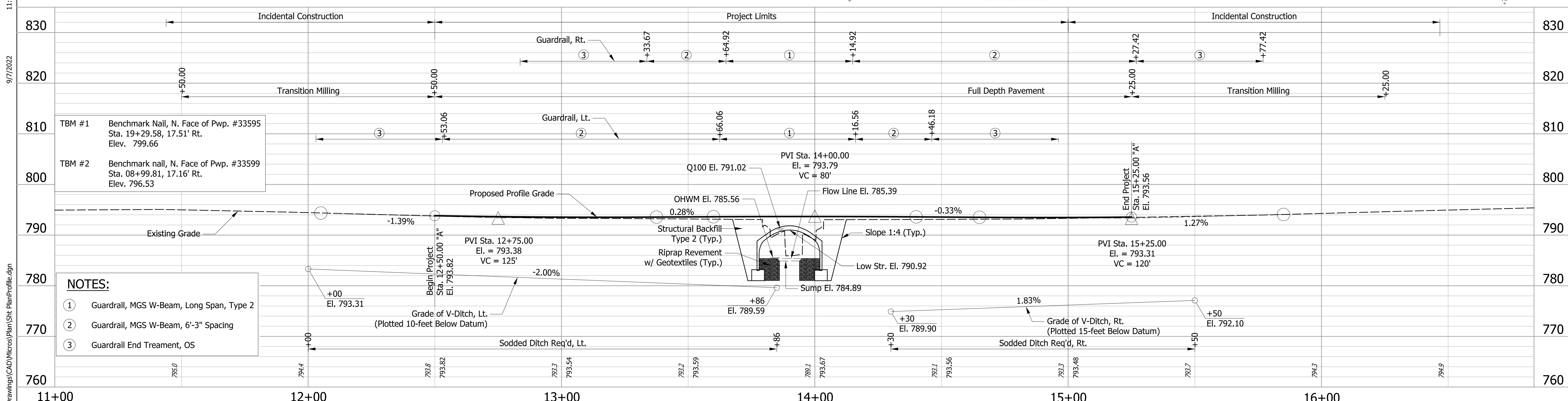


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**LEGEND**

- (K) Full Depth Pavement  
165 lbs/syd QC/QA-HMA, 4, 76, Surface, 9.5 mm on 275 lbs/syd QC/QA-HMA, 4, 76, Intermediate, 19.0 mm on 660 lbs/syd QC/QA-HMA, 4, 64, Base, 25.0 mm on Subgrade Treatment, Type IC
- (J) Full Depth HMA for Shoulders  
165 lbs/syd QC/QA-HMA, 4, 76, Surface, 9.5 mm on 275 lbs/syd QC/QA-HMA, 4, 76, Intermediate, 19.0 mm on 660 lbs/syd QC/QA-HMA, 4, 64, Base, 25.0 mm on Subgrade Treatment, Type IC
- (R) Surface on Transition Milling  
165 lbs/syd QC/QA-HMA, 4, 76, Surface, 9.5 mm on Milling, Surface
- (J1) Compacted Aggregate No. 53

\*To be updated with completion of Final Payment Design



- NOTES:**
- ① Guardrail, MGS W-Beam, Long Span, Type 2
  - ② Guardrail, MGS W-Beam, 6'-3" Spacing
  - ③ Guardrail End Treatment, OS

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b> <b>PLAN AND PROFILE</b> <b>S.R. 44 OVER UNT KOOT'S FORK</b>	HORIZONTAL SCALE	BRIDGE FILE NO.
	DESIGNED: DHS	DRAWN: TMN		1" = 20'	044-041-10721
CHECKED: DEB	CHECKED: DEB			VERTICAL SCALE	DESIGNATION NO.
				1" = 10'	1900153
				SURVEY BOOK NO.	SHEETS
					6 of 17
				CONTRACT NO.	PROJECT NO.
				B-42218	1900153

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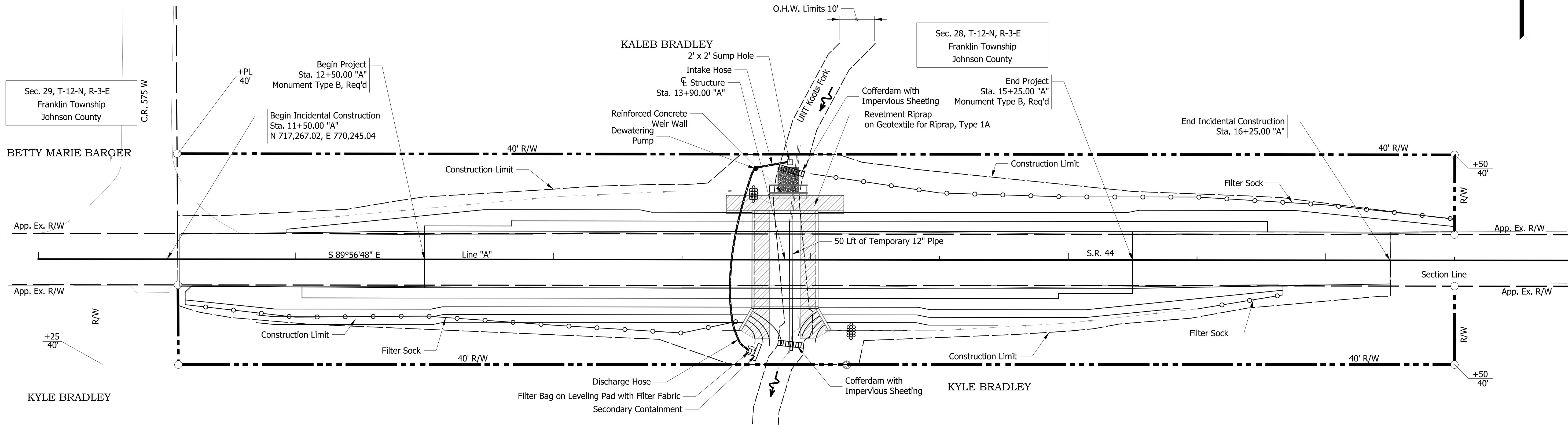
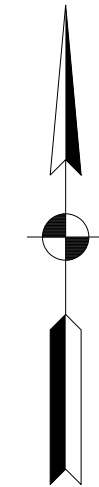
12+00

13+00

14+00

15+00

16+00



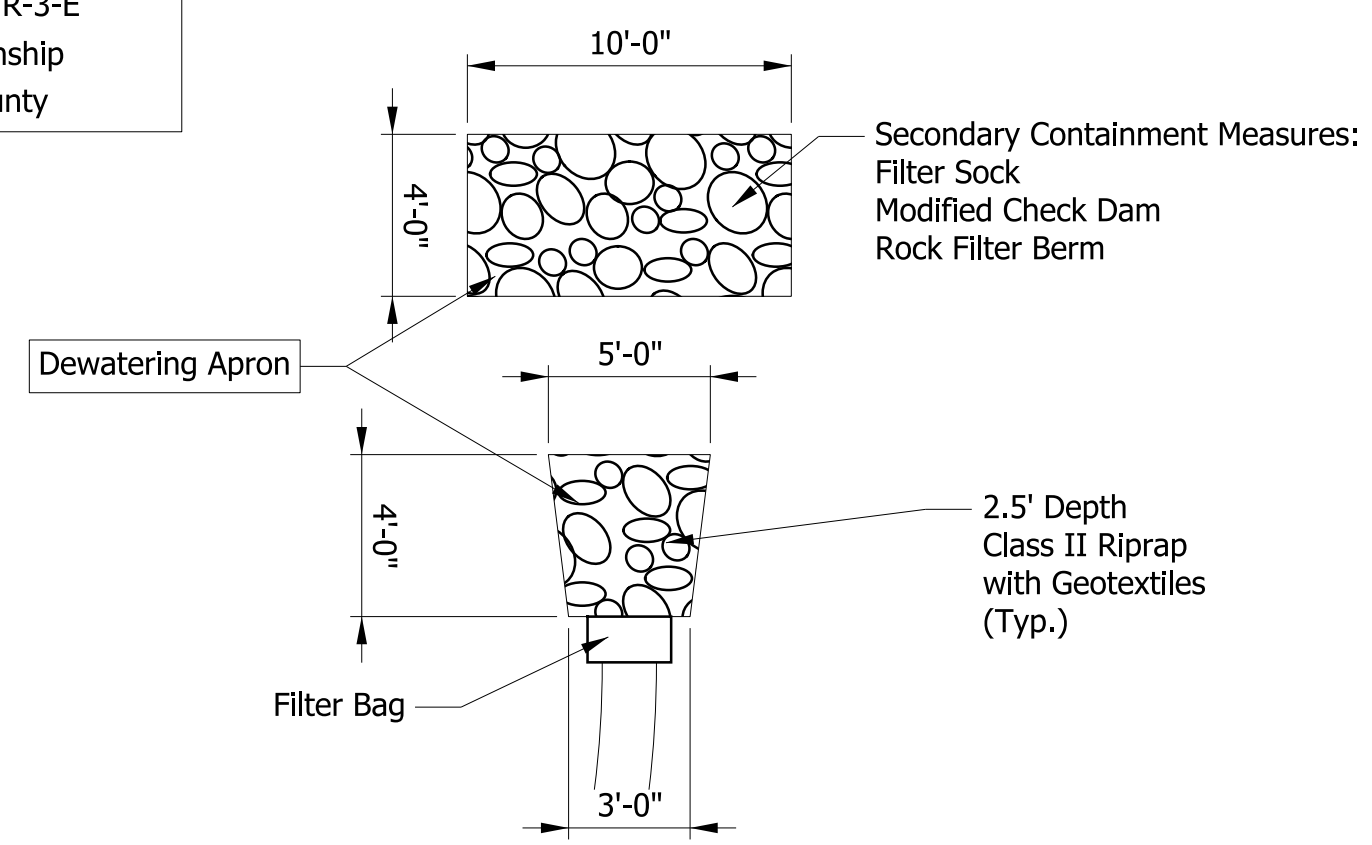
Sec. 32, T-12-N, R-3-E  
Franklin Township  
Johnson County

Sec. 33, T-12-N, R-3-E  
Franklin Township  
Johnson County

Sec. 28, T-12-N, R-3-E  
Franklin Township  
Johnson County

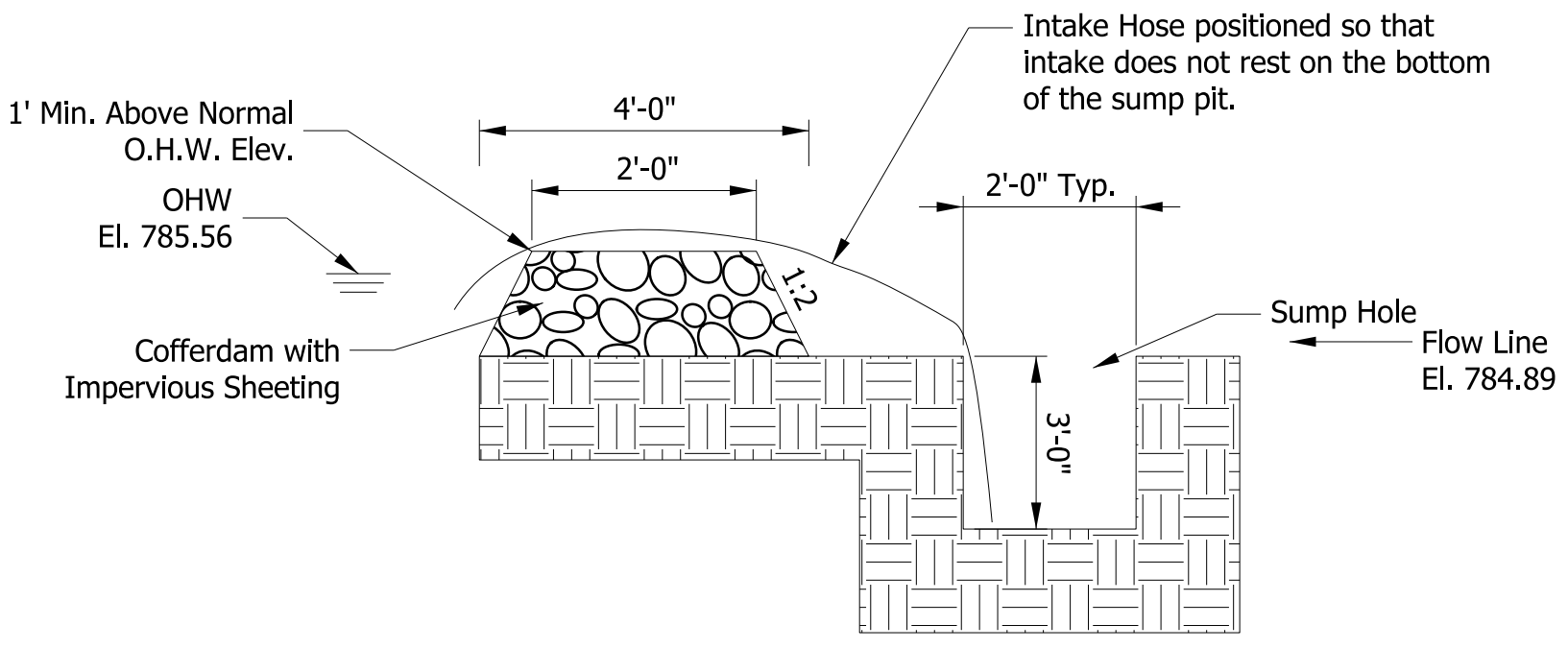
TEMPORARY CHECK DAM, TRAVERSABLE			
STATION	LT/RT	LENGTH	
13+75	LT	5.0'	
14+30	RT	5.0'	

TEMPORARY FILTER SOCK			
STATION	TO STATION	LT/RT	LENGTH
11+57	13+72	RT	218'
14+00	16+50	LT	254'
15+50	15+83	RT	36'
TOTAL			508'



**DETAIL**  
**(DEWATER APRON)**

Not to Scale



**COFFERDAM/SUMP HOLE**  
**WORK AREA**

Not to Scale

**LEGEND**

- Temporary Filter Sock
- Water Flow Direction
- Cofferdam
- Temporary Check Dam, Traversable

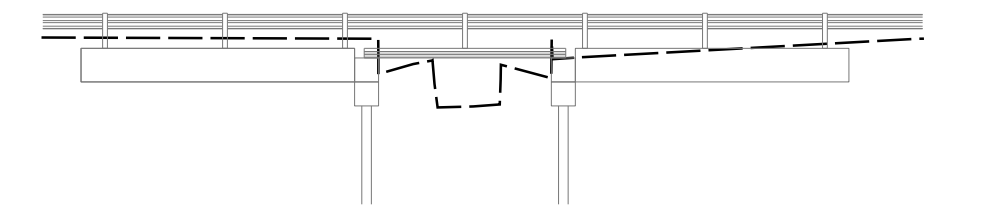
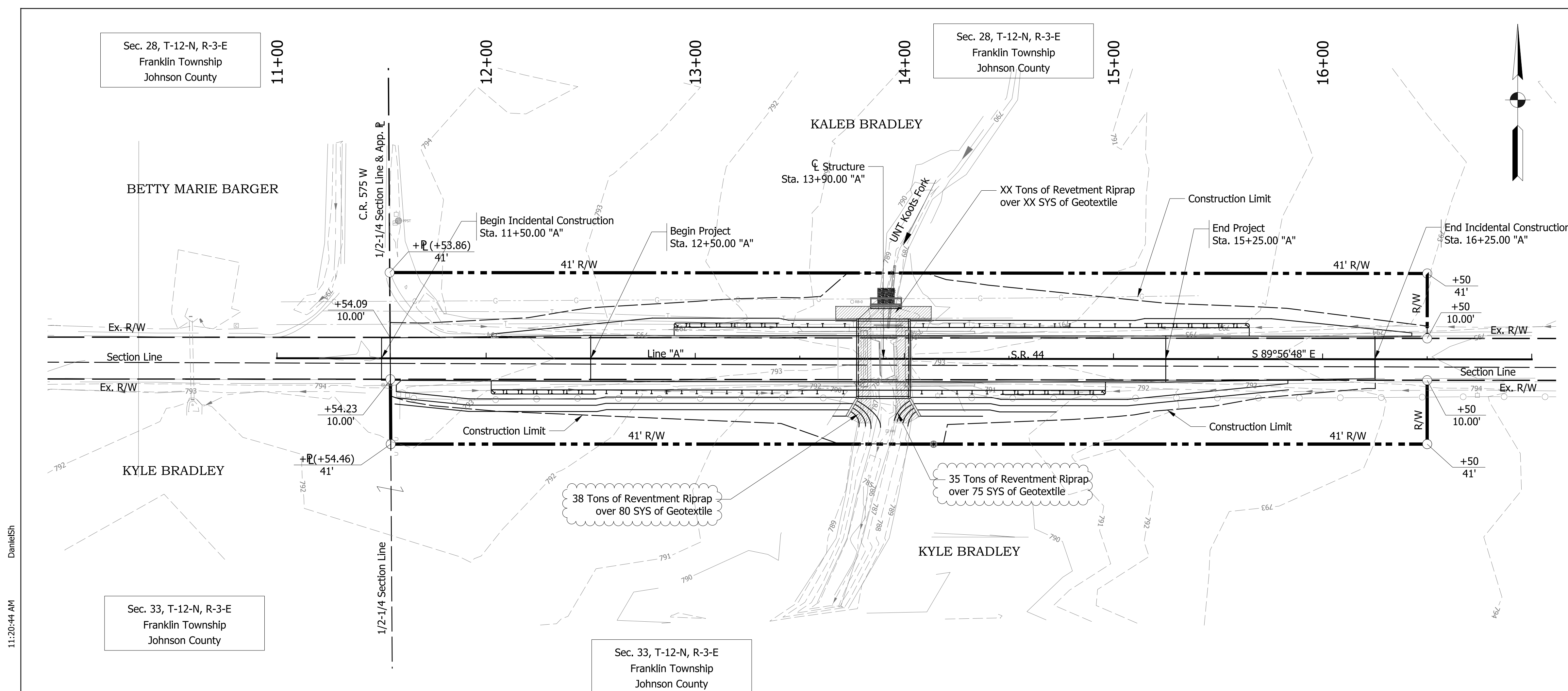
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: DHS	DRAWN: TMN	
CHECKED: DEB	CHECKED: DEB	

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL DETAIL**  
**S.R. 44 OVER UNT KOOT'S FORK**

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE NO. 044-041-10721
VERTICAL SCALE NA	DESIGNATION NO. 1900153
SURVEY BOOK NO.	SHEETS 7 of 17
CONTRACT NO. B-42218	PROJECT NO. 1900153



**EXISTING STRUCTURE**

The existing structure (CV 044-041-10.70) is a reinforced concrete slab that was installed at an unknown construction date. The structure has a span length of 18.0 ft with a vertical opening of 5.0 ft that is approximately 26.0 ft in length. Existing structure is to be removed.

**HYDRAULIC DATA**

Drainage Area	0.45 sq. mi.
Q100 Discharge	321.3 cfs
Q100 Water Surface Elevation	791.02 ft
Design Roadway Serviceability Elevation	793.15 ft

Ex. Low Structure Elevation	791.59 ft
Ex. Q100 Headwater Elevation	791.35 ft
Ex. Q25 Headwater Elevation	790.96 ft
Ex. Waterway Area Below Q100	101.34 sft
Ex. Backwater	0 ft
Ex. Outlet Velocity @ Q25	252.39 ft/s
Ex. Natural Channel Velocity @ Q25	251.75 ft/s

<b>3-Sided Precast Flat Top, 21-foot Span</b>	
Pr. Low Structure Elevation	790.92 ft
Pr. Q100 Headwater Elevation	791.32 ft
Pr. Q25 Headwater Elevation	790.95 ft
Pr. Waterway Area Below Q100	105.07 sft
Pr. Backwater	0 ft
Pr. Outlet Velocity @ Q25	2.38 ft/s
Pr. Natural Channel Velocity @ Q25	1.75 ft/s

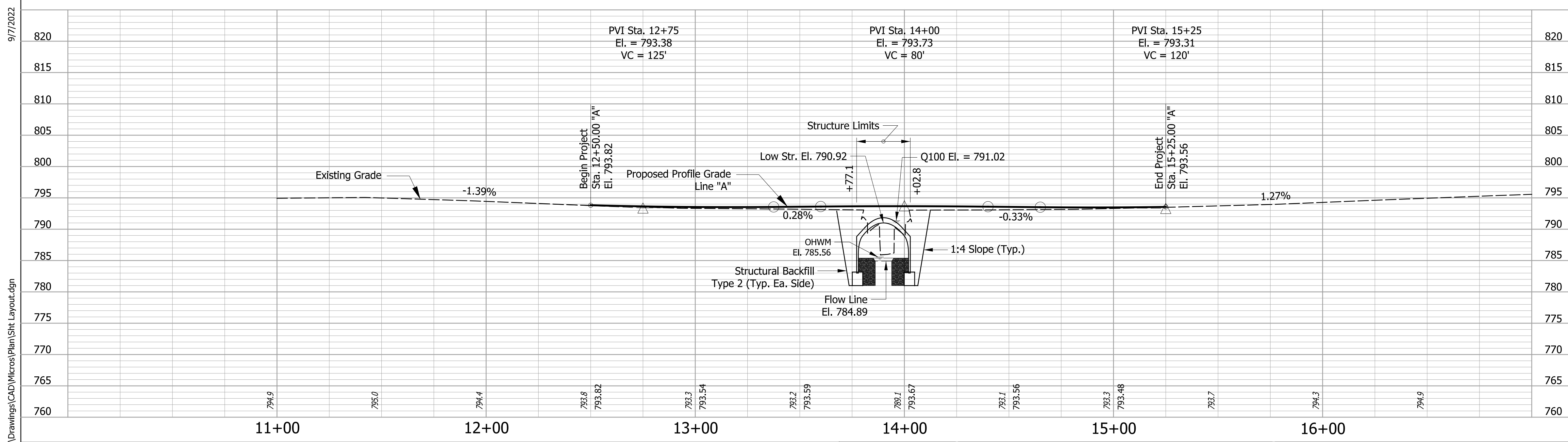
<b>3-Sided Precast Arch Top, 24-foot Span</b>	
Pr. Low Structure Elevation	790.92 ft
Pr. Q100 Headwater Elevation	791.35 ft
Pr. Q25 Headwater Elevation	790.96 ft
Pr. Waterway Area Below Q100	107.00 sft
Pr. Backwater	0 ft
Pr. Outlet Velocity @ Q25	2.48 ft/s
Pr. Natural Channel Velocity @ Q25	1.75 ft/s

**EARTHWORK TABULATION**

Fill + 20%	XX cys
Common Excavation	XX cys
Usable Waterway Excavation	XX cys
Surplus Foundation Excavation	XX cys
Borrow	XX cys
Total Waterway Excavation	XX cys
Excavation Unclassified	XX cys
Benching (Estimated)	XX cys

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

\* To be updated at later submittal



**PRECAST REINFORCED CONCRETE  
THREE-SIDED BRIDGE  
SPAN: 24'-0"  
30'-0" CLEAR ROADWAY; 0° SKEW  
SR 44 OVER UNT KOOTS FORK  
JOHNSON COUNTY**

\*OHWM to be updated when Geotechnical Report is completed  
\*\*Riprap and Geotextile quantities to be finalized with completed recommendation at later submittal.

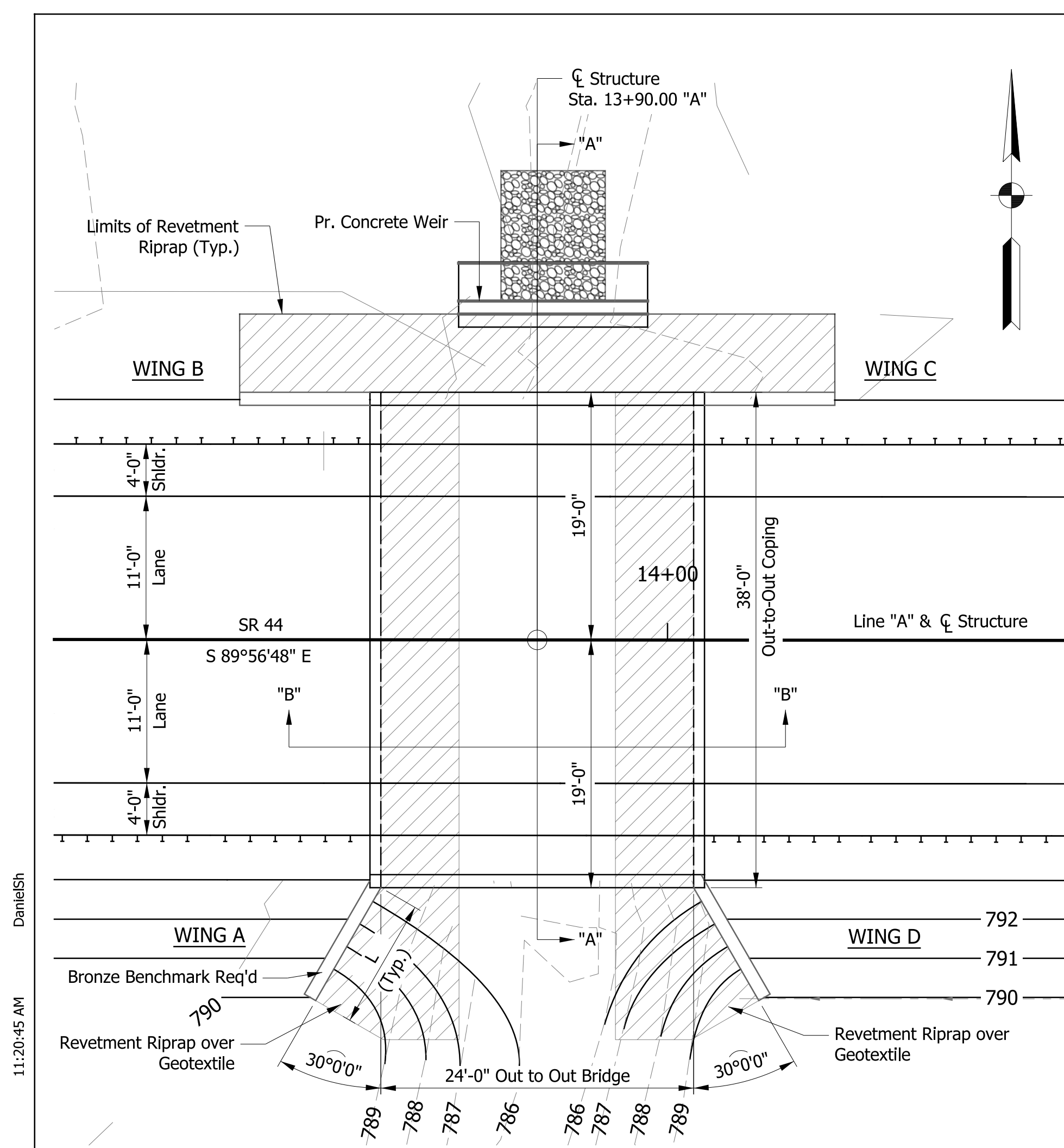
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: DHS	DRAWN: TMN	
CHECKED: DEB	CHECKED: DEB	

INDIANA DEPARTMENT OF TRANSPORTATION  
**LAYOUT**  
SR 44 OVER UNT KOOTS FORK

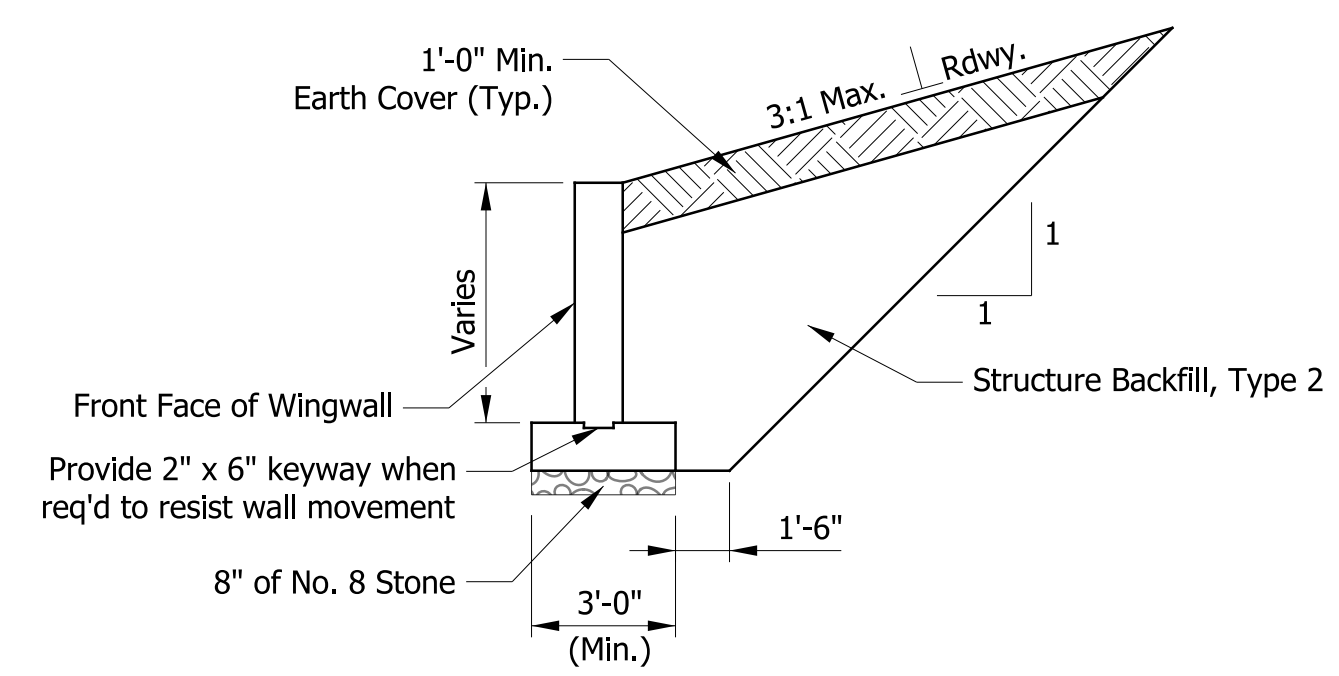
HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 30'	044-041-10721
VERTICAL SCALE	DESIGNATION NO.
1" = 10'	1900153
SURVEY BOOK NO.	SHEETS
	8 of 17
CONTRACT NO.	PROJECT NO.
B-42218	1900153

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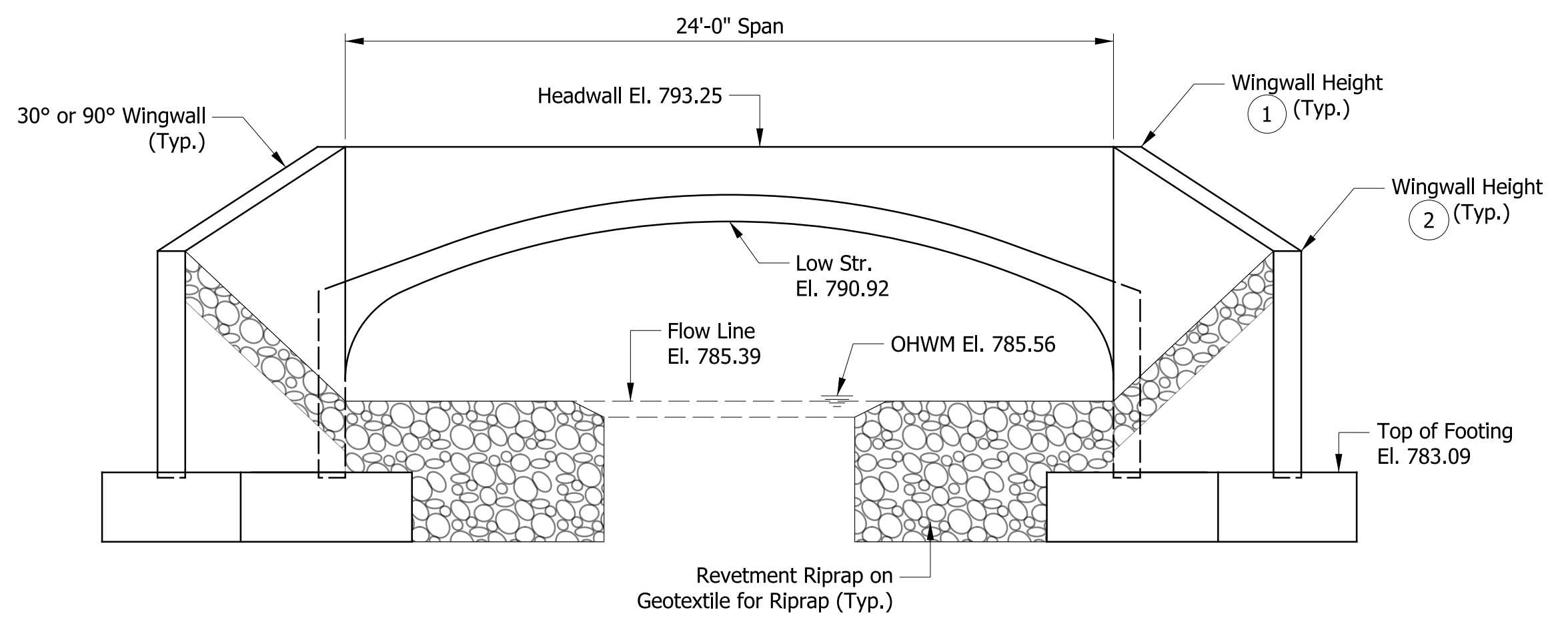


PLAN

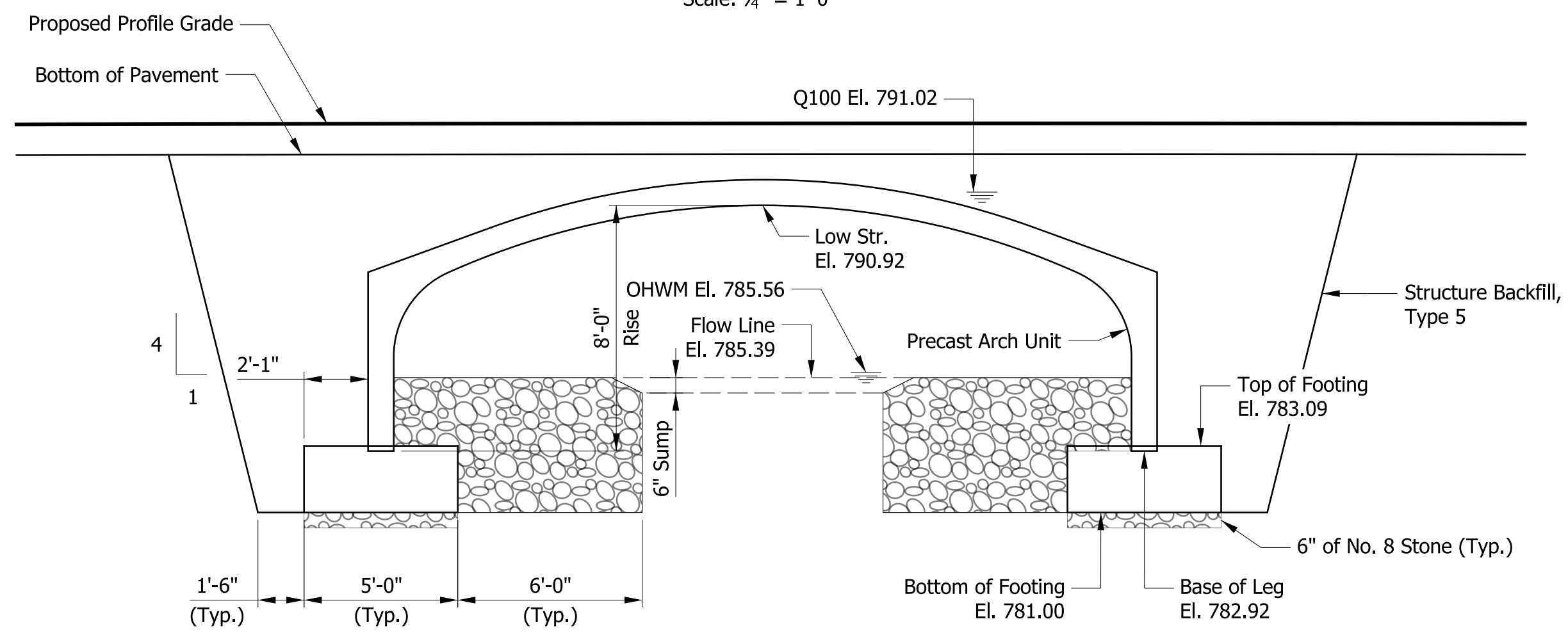


WINGWALL BACKFILL  
Not to Scale

WINGWALL TABLE					
WING	TOP ELEV ①	TOP ELEV ②	LENGTH "L"	AREA	
"A"	793.25	790.00	10'-0"	85.4 Sft.	
"B"	793.25	793.25	10'-0"	101.6 Sft.	
"C"	793.25	793.25	10'-0"	101.6 Sft.	
"D"	793.25	790.00	10'-0"	85.4 Sft.	



ELEVATION - END PROFILE  
Scale: 3/4" = 1'-0"



SECTION "B-B" (LONGITUDINAL)  
Scale: 3/4" = 1'-0"

DESIGN STRENGTH	
Reinforcing Steel (Grade 60)	$f_y = 60,000$ psi
Class C Concrete	$f_c = 4,000$ psi
Class B Concrete	$f_c = 3,000$ psi
Class A Concrete	$f_c = 3,500$ psi

FOUNDATION DESIGN	
Factored Bearing Resistance	8,250 psf
Resistance factor ( $\phi$ )	0.45
Nominal Bearing Resistance	18,500 psf
Friction angle between wingwall and soil backfill ( $\delta$ )	20°
Friction factor between footing, foundation soil (f)	n/a
Cohesion of foundation soil (C)	3,500
Adhesion of foundation soil (Ca)	3,500
Angle of internal friction of foundation soil ( $\phi$ )	n/a

DESIGN DATA

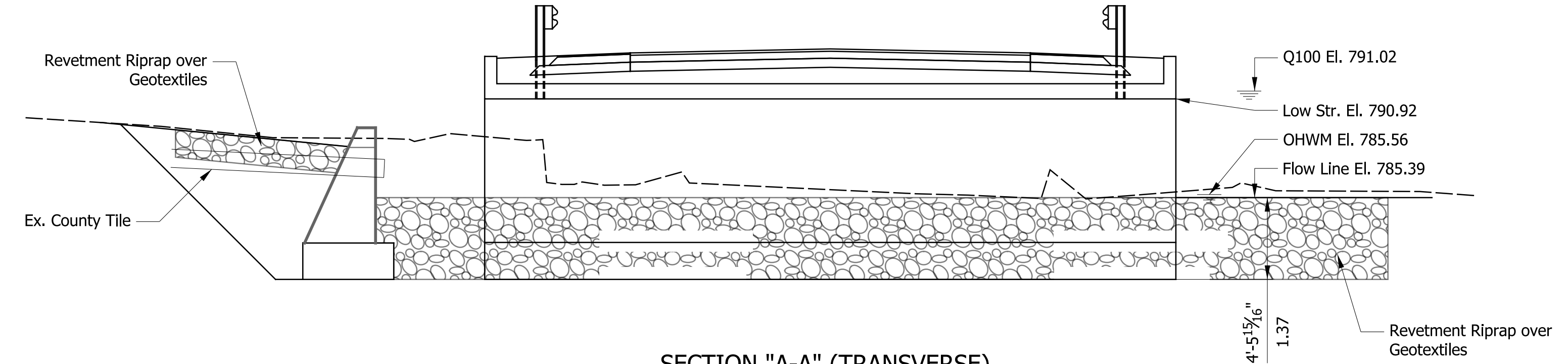
Wingwalls and headwalls shall be designed in accordance with Standard Specification 714 for box culverts or 723 for three-sided structure.

LIVE LOAD: Designed for HL-93 loading, in accordance with the AASHTO LRFD Bridge Design Specifications, 8th Edition, and all subsequent interim specifications.

GENERAL NOTES

- An alternate three-sided flat-top structure with a 21-ft span and a 8-ft high opening may be substituted for the structure shown.
- Contractor shall verify the existing flowline elevation to set the appropriate sump depth.
- Manufacturer's dimensions for pre-cast structures (except opening size) shall override shown dimension.
- Waterproofing membrane shall be installed on the structure in accordance with the special provisions.

**PRECAST REINFORCED CONCRETE  
THREE-SIDED BRIDGE  
SPAN: 24'-0"  
30'-0" CLEAR ROADWAY; 0° SKEW  
SR 44 OVER UNT KOOTS FORK  
JOHNSON COUNTY**



SECTION "A-A" (TRANSVERSE)  
Scale: 3/16" = 1'-0"

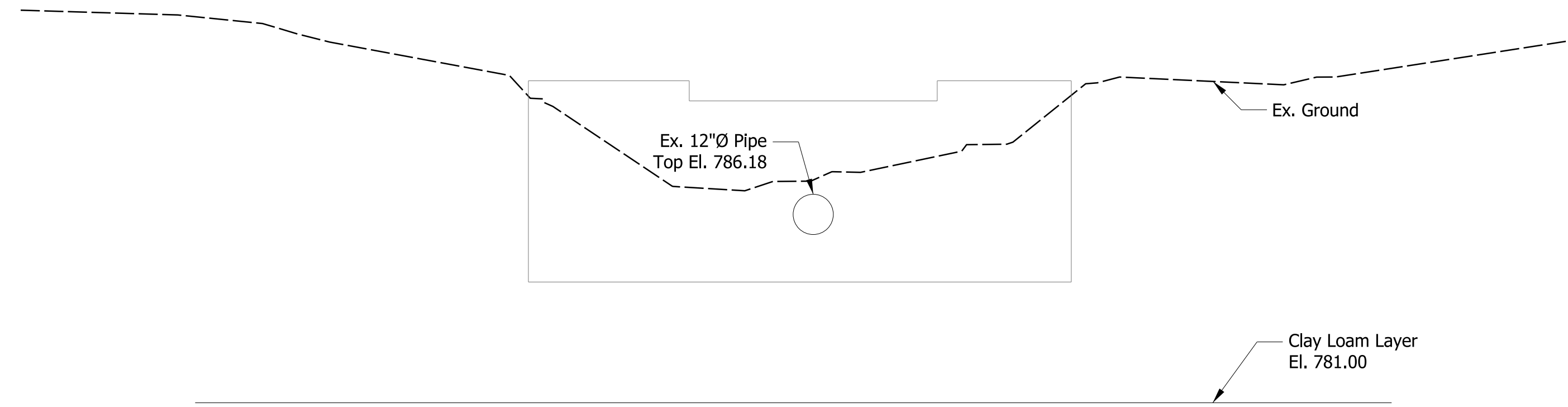
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: DHS	DRAWN: TMN	
CHECKED: DEB	CHECKED: DEB	

INDIANA  
DEPARTMENT OF TRANSPORTATION  
  
GENERAL PLANS  
SR 44 OVER UNT KOOTS FORK

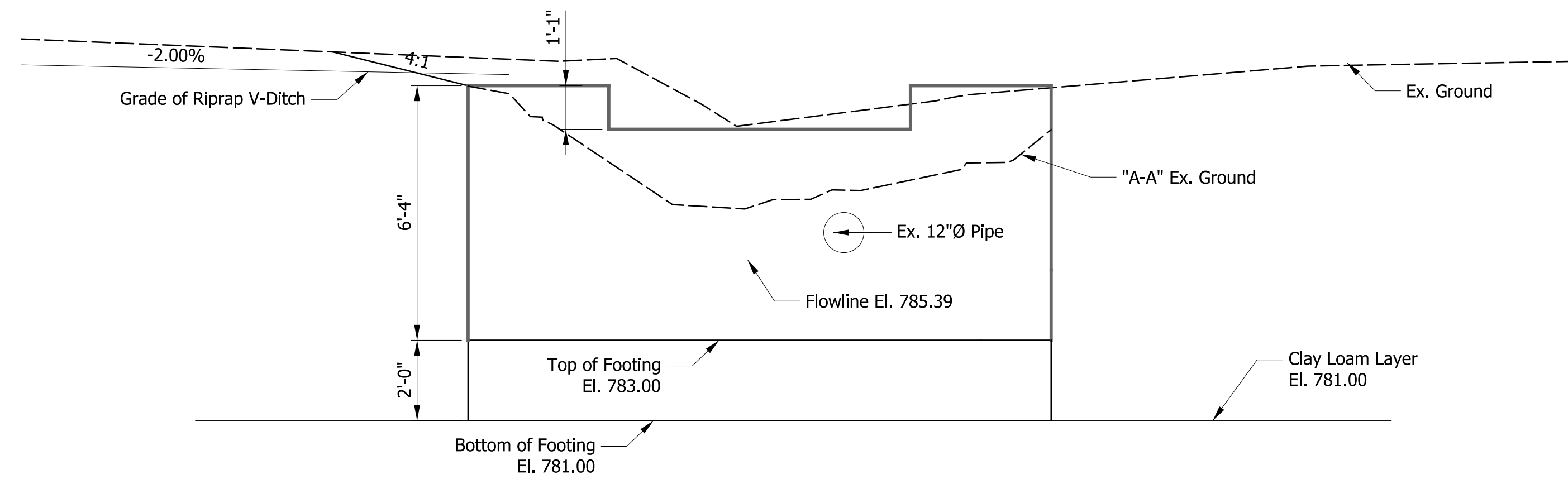
HORIZONTAL SCALE	BRIDGE FILE NO.
3/16" = 1'-0"	044-041-10721
VERTICAL SCALE	DESIGNATION NO.
	1900153
SURVEY BOOK NO.	SHEETS
	9 of 17
CONTRACT NO.	PROJECT NO.
B-42218	1900153

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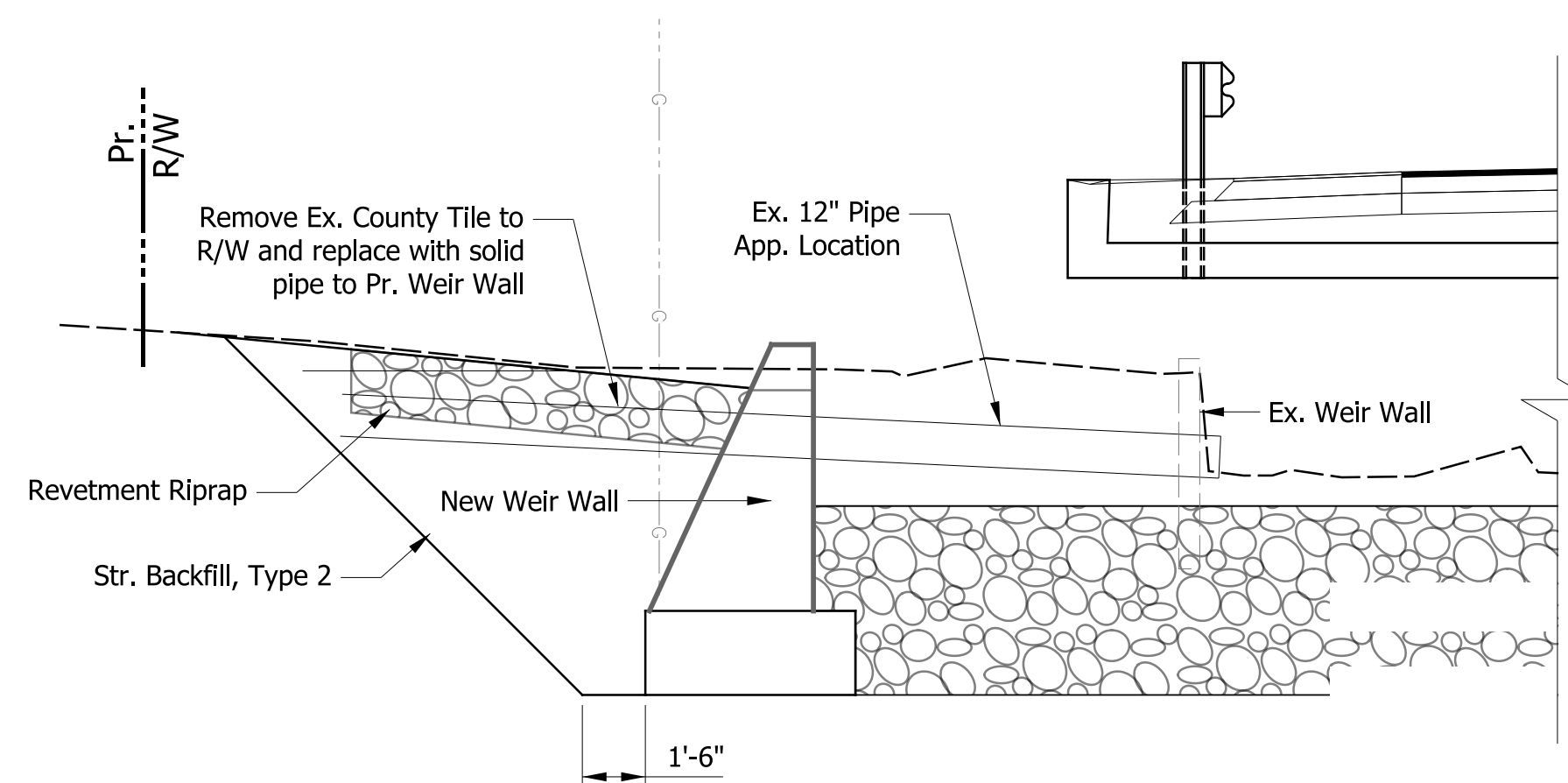
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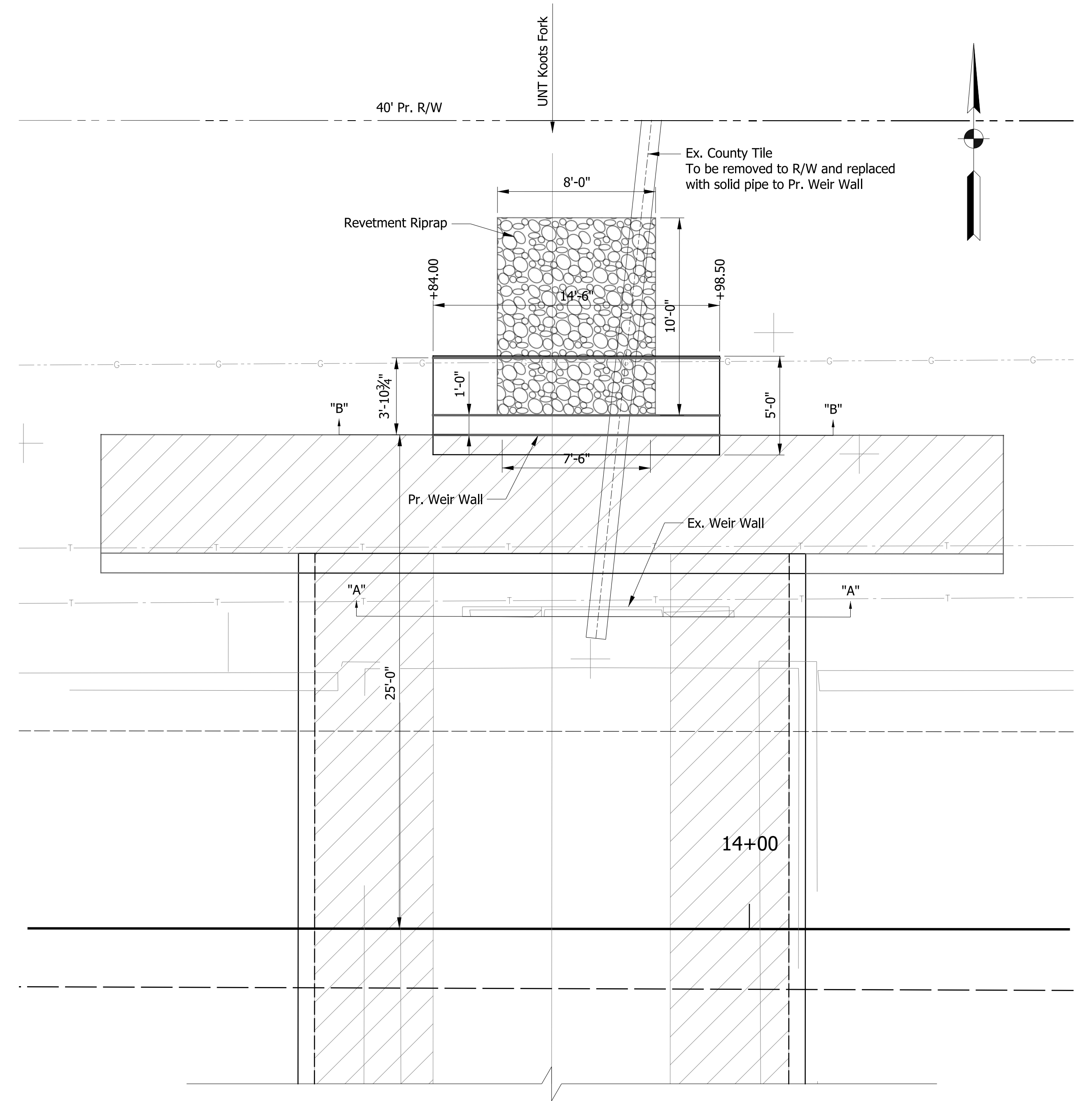
**SECTION "A-A" - EXISTING WEIR**  
Scale: 3/8" = 1'-0"



**SECTION "B-B" - PROPOSED WEIR**  
Scale: 3/8" = 1'-0"



**ELEVATION**



**PLAN**

DanielSH

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9/7/2022

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RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: DHS	DRAWN: TMN		
CHECKED: DEB	CHECKED: DEB		

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

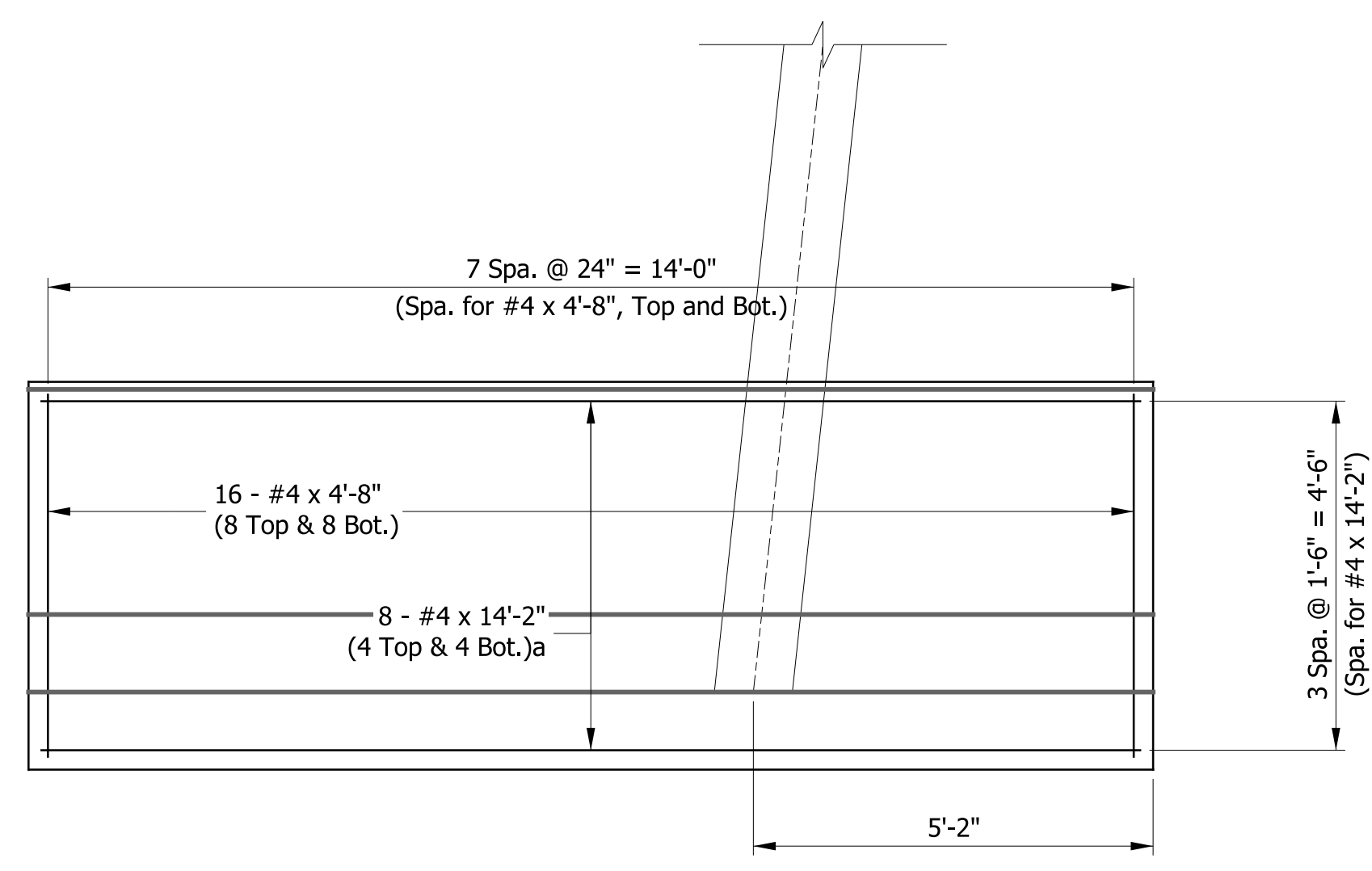
**WEIR DETAIL  
SR 44 OVER UNT KOOTS FORK**

HORIZONTAL SCALE	BRIDGE FILE NO.
CUSTOM 48	044-041-10721
VERTICAL SCALE	DESIGNATION NO.
	1900153
SURVEY BOOK NO.	SHEETS
	10 of 17
CONTRACT NO.	PROJECT NO.
B-42218	1900153

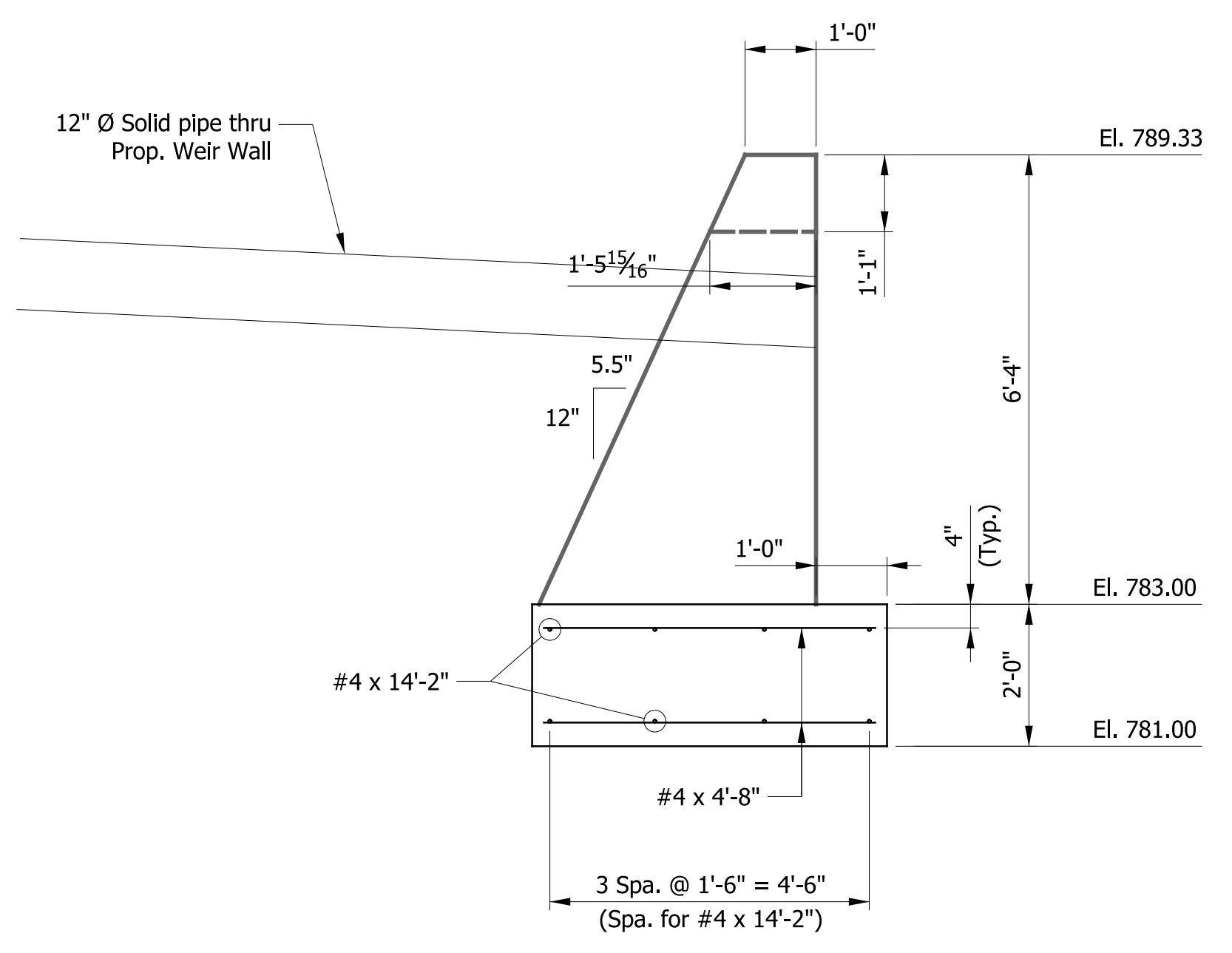
DanielSH  
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9/7/2022

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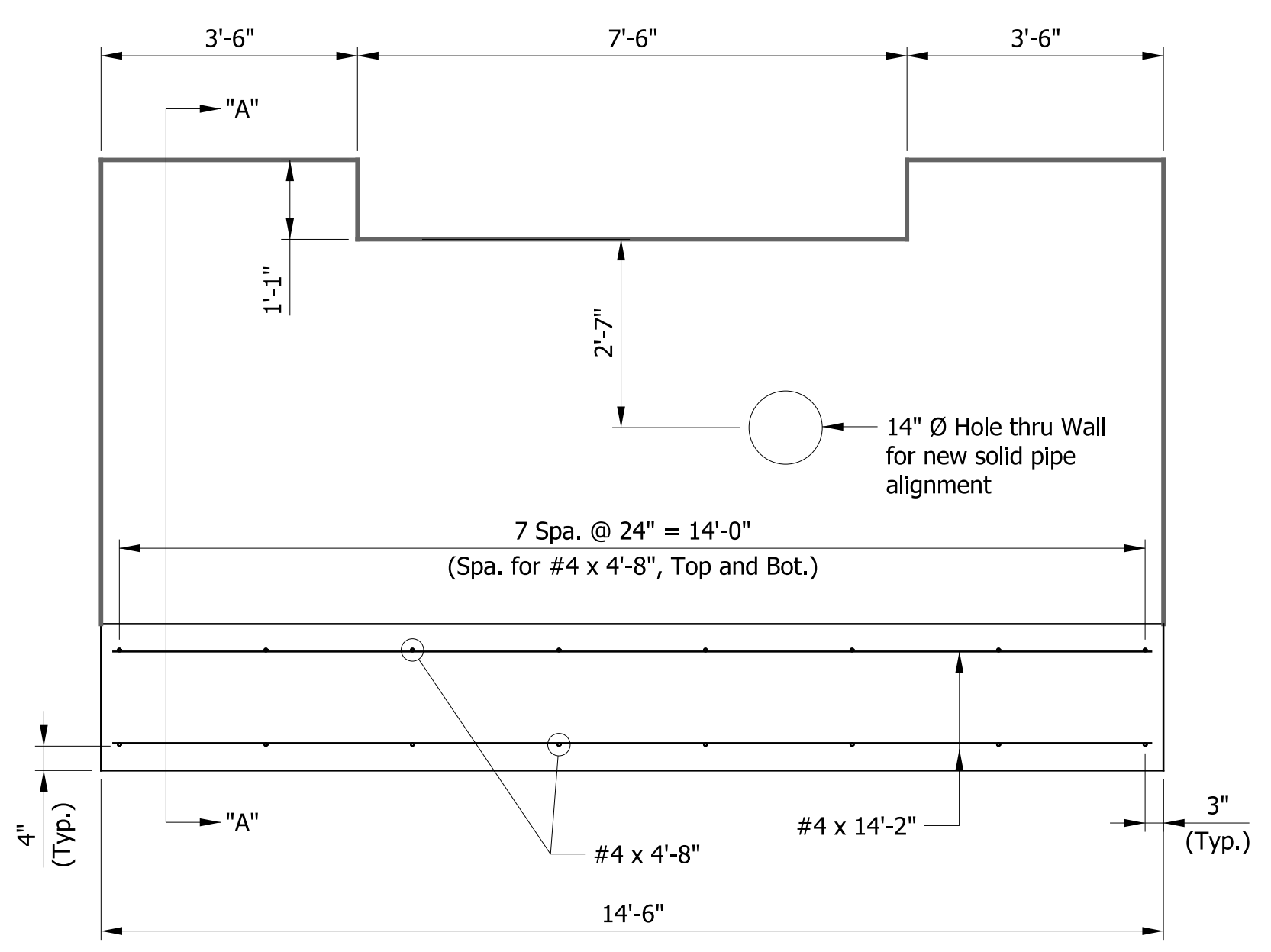
BILL OF MATERIALS RETAINING WALL			
SIZE OR MK	NO. of BARS	LENGTH	WEIGHT
#4	8	14'-2"	
#4	16	4'-8"	
Total #4			603 #
TOTAL PLAIN STEEL			4,246 #
CONCRETE			
Class A, Substructure			9 Cys
Class B, Footings			6 Cys
MISCELLANEOUS			
Structure Backfill, Type 5			229 Cys



PLAN



SECTION "A-A"



ELEVATION

- NOTES**
- For Design Data and General Notes, See Sht. XX.
  - For Reinforcing Bar Notes, see Standard Drawing E 703-BRST-01.
  - For Reinforcing Bar Details, see Std. 703-BRST-01.

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: DHS	DRAWN: TMN	
CHECKED: DEB	CHECKED: DEB	

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

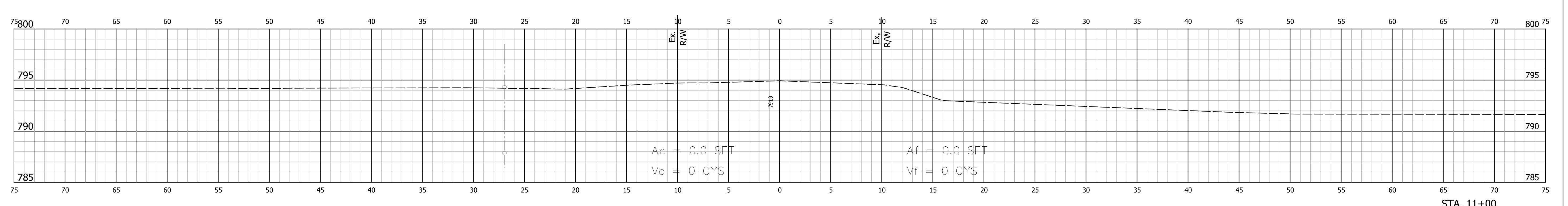
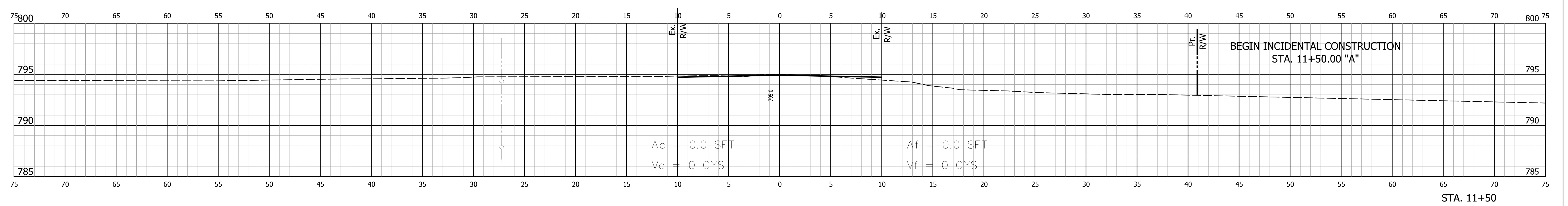
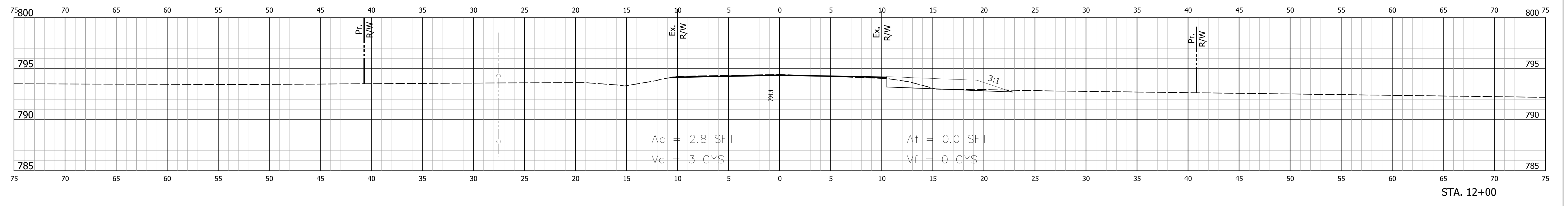
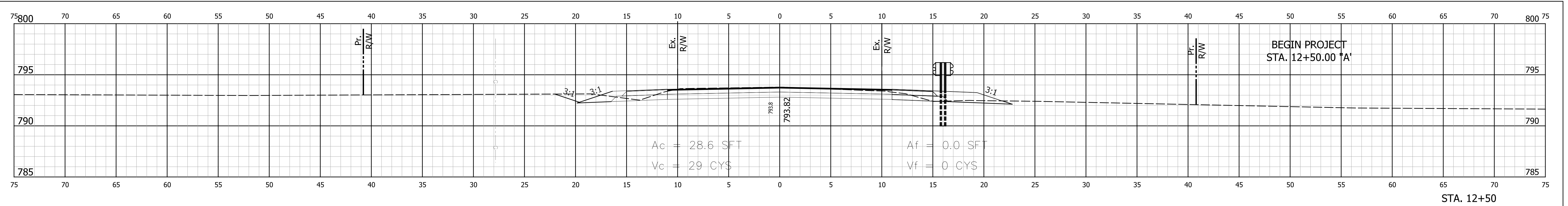
**WEIR DETAIL  
SR 44 OVER UNT KOOTS FORK**

HORIZONTAL SCALE 1/2" = 1'-0"	BRIDGE FILE NO. 044-041-10721
VERTICAL SCALE	DESIGNATION NO. 1900153
SURVEY BOOK NO.	SHEETS 11 of 17
CONTRACT NO. B-42218	PROJECT NO. 1900153









RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
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CHECKED: DEB	CHECKED: DEB	

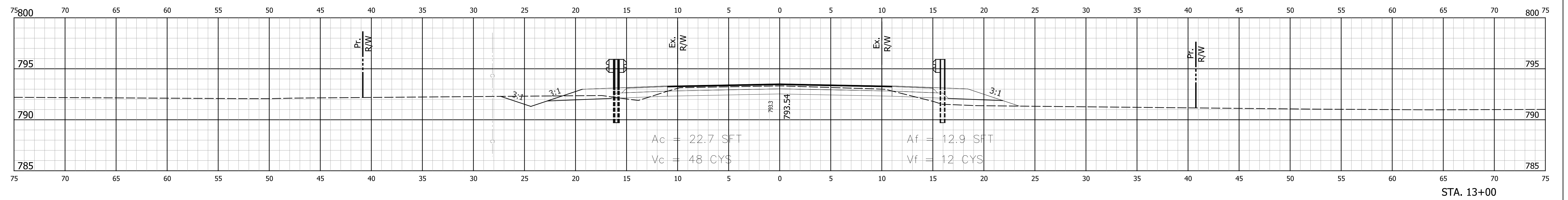
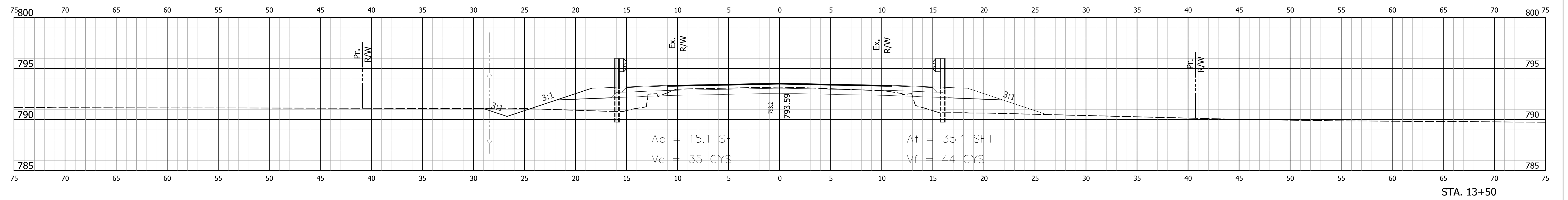
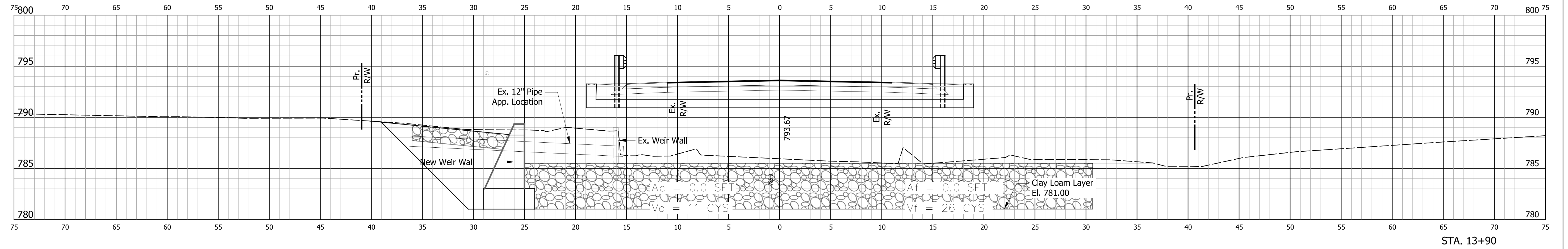
INDIANA  
DEPARTMENT OF TRANSPORTATION

**CROSS SECTIONS**  
STA. 11+00 "A" TO STA. 12+50 "A"

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE NO. 044-041-10721
VERTICAL SCALE 1" = 5'	DESIGNATION NO. 1900153
SURVEY BOOK NO.	SHEETS 14 of 17
CONTRACT NO. B-42218	PROJECT NO. 1900153

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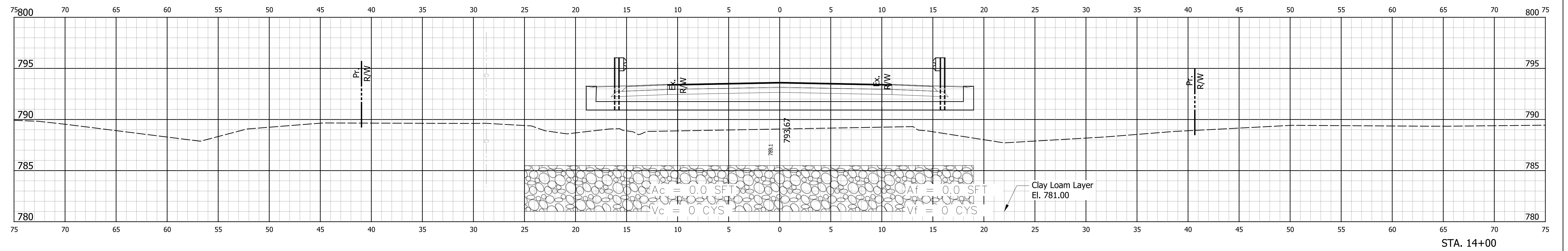
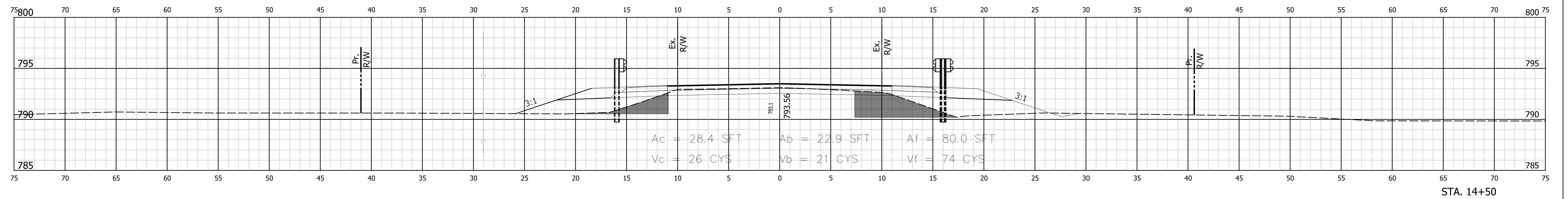
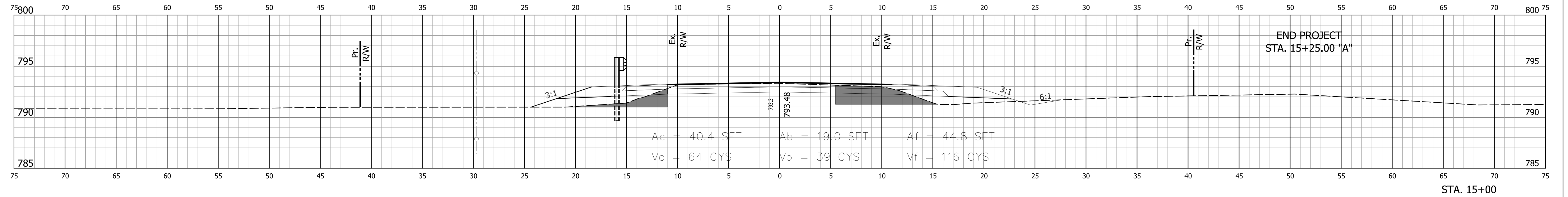
RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____	DATE _____
DESIGNED: DHS	DRAWN: TMN		
CHECKED: DEB	CHECKED: DEB		

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
STA. 13+00 "A" TO STA. 13+90 "A"**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE NO. 044-041-10721
VERTICAL SCALE 1" = 5'	DESIGNATION NO. 1900153
SURVEY BOOK NO.	SHEETS 15 of 17
CONTRACT NO. B-42218	PROJECT NO. 1900153

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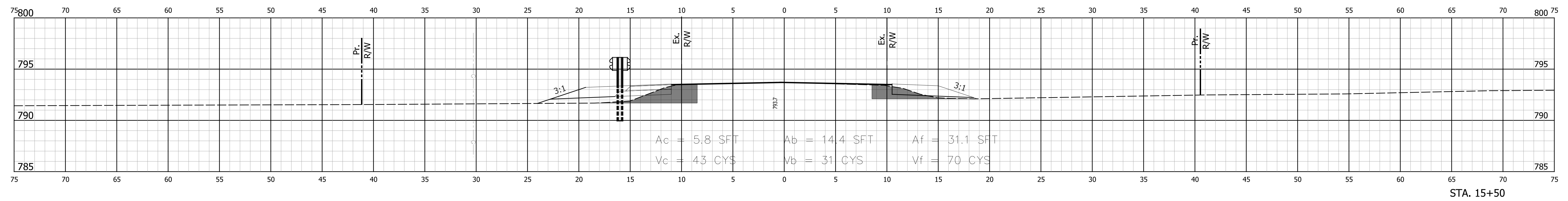
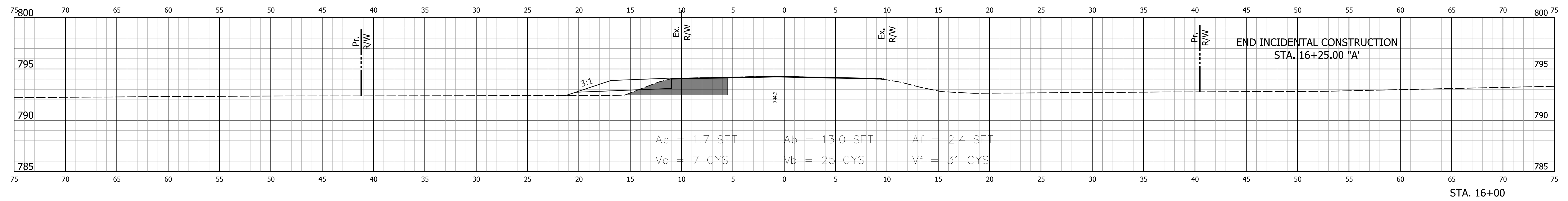
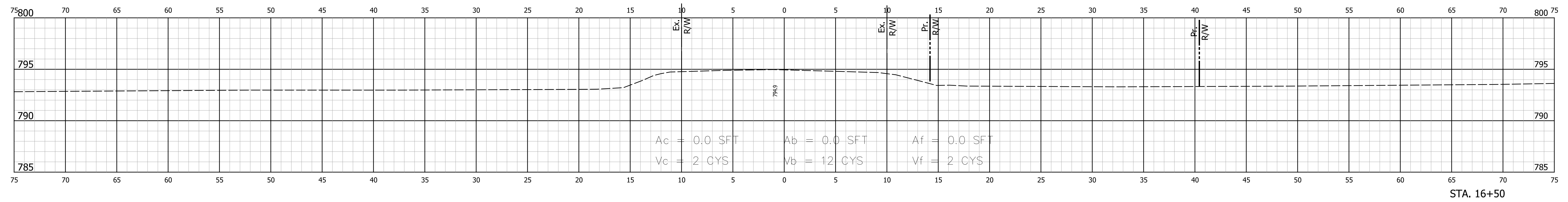
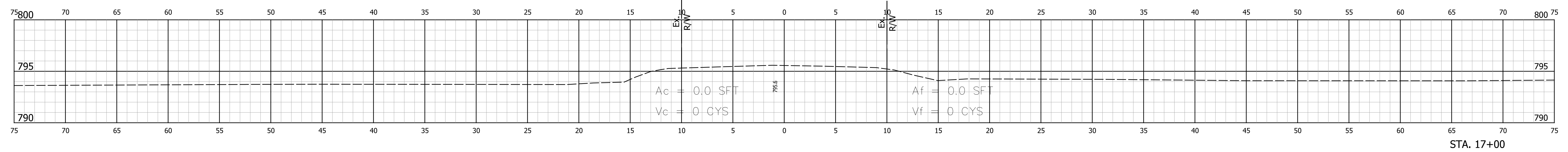
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: DHS	DRAWN: TMN	
CHECKED: DEB	CHECKED: DEB	

**INDIANA DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
 STA. 14+00 "A" TO STA. 15+00 "A"

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE NO. 044-041-10721
VERTICAL SCALE 1" = 5'	DESIGNATION NO. 1900153
SURVEY BOOK NO.	SHEETS 16 of 17
CONTRACT NO. B-42218	PROJECT NO. 1900153

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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: DHS	DRAWN: TMN	
CHECKED: DEB	CHECKED: DEB	

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**CROSS SECTIONS**  
**STA. 15+50 "A" TO STA. 17+00 "A"**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE NO. 044-041-10721
VERTICAL SCALE 1" = 5'	DESIGNATION NO. 1900153
SURVEY BOOK NO.	SHEETS 17 of 17
CONTRACT NO. B-42218	PROJECT NO. 1900153