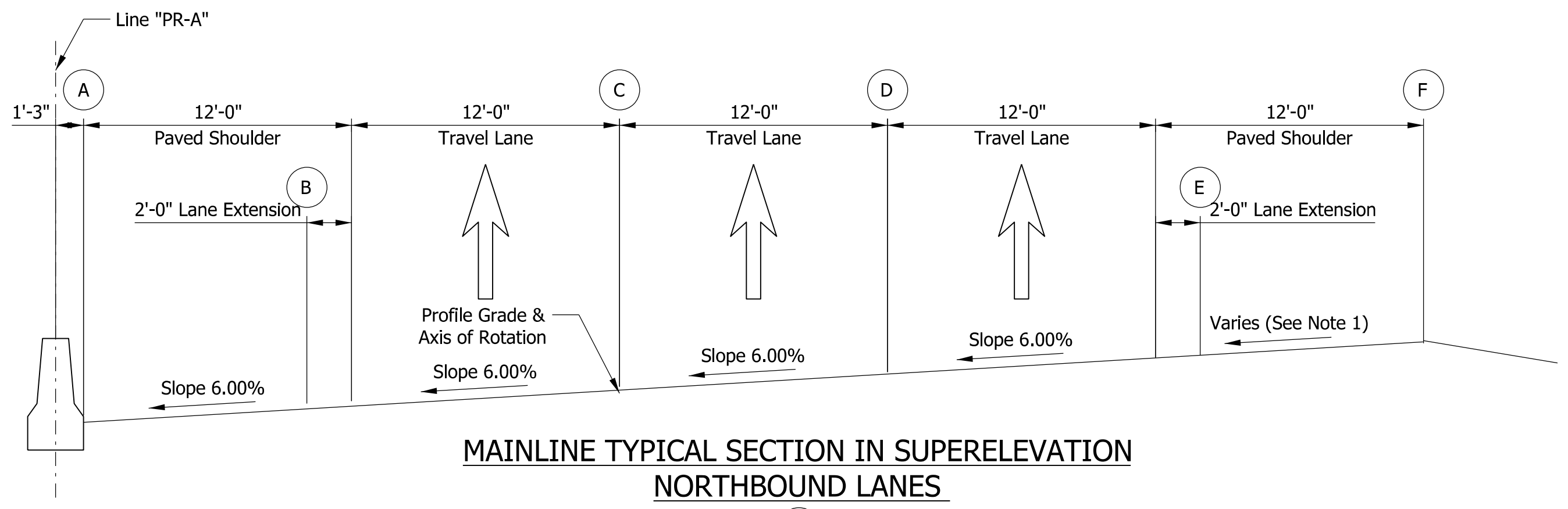
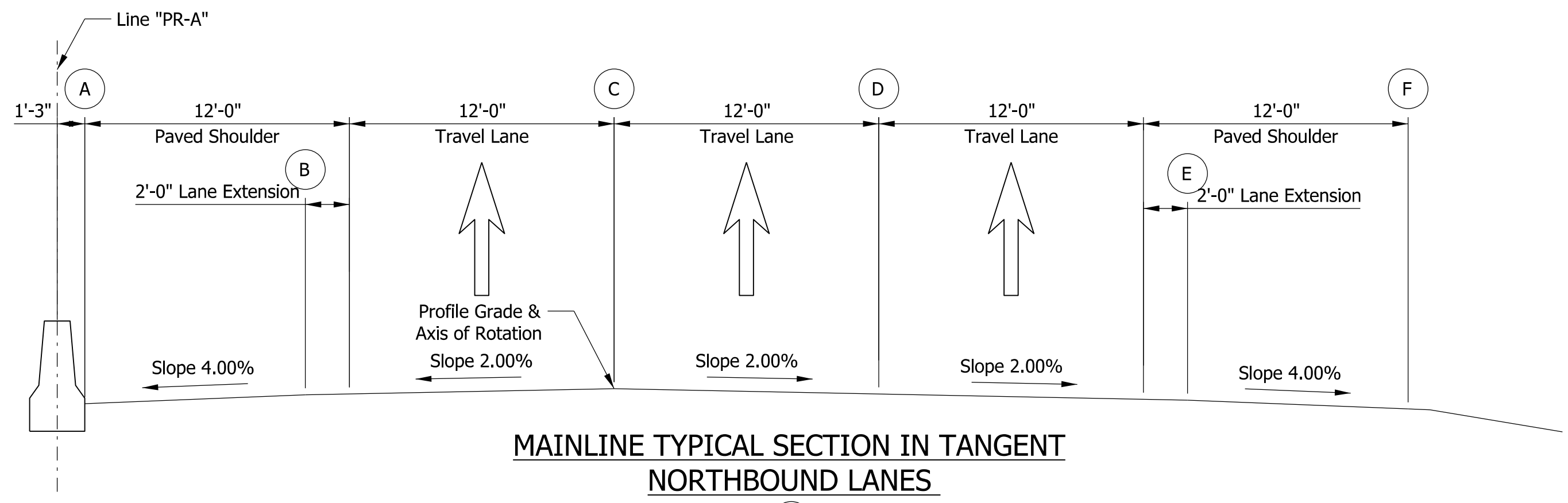


CURVE  
3

PI	= 886+24.35
Delta	= 49°55'06" Lt.
R	= 3190.00 ft.
T	= 1484.76 ft.
L	= 2779.26 ft.
F	= 328.61 ft.
SE	= 6.00%
DS	= 70 MPH



Notes:  
1. Slope varies between +6.00% and -2.00% in multiple locations throughout curve.

**DRAFT**  
NOT FOR CONSTRUCTION

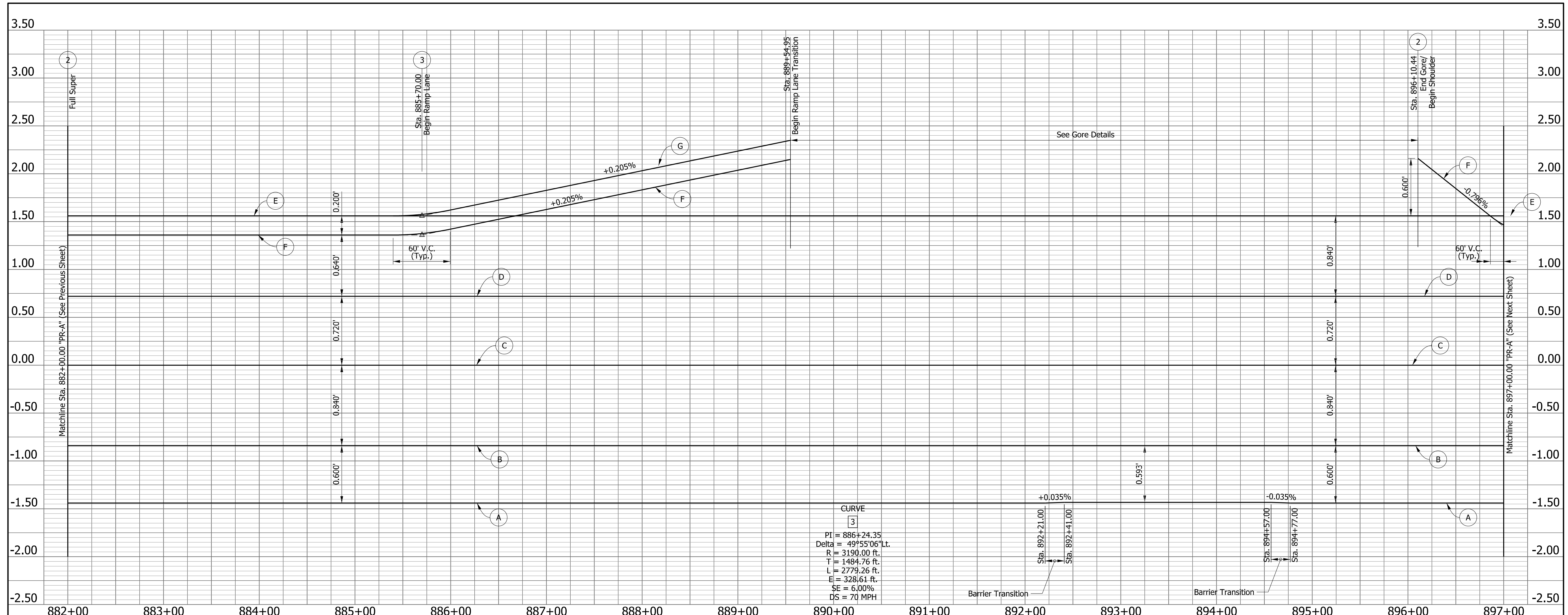
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JMA	
CHECKED: MKM	CHECKED: MKM	

INDIANA DEPARTMENT OF TRANSPORTATION

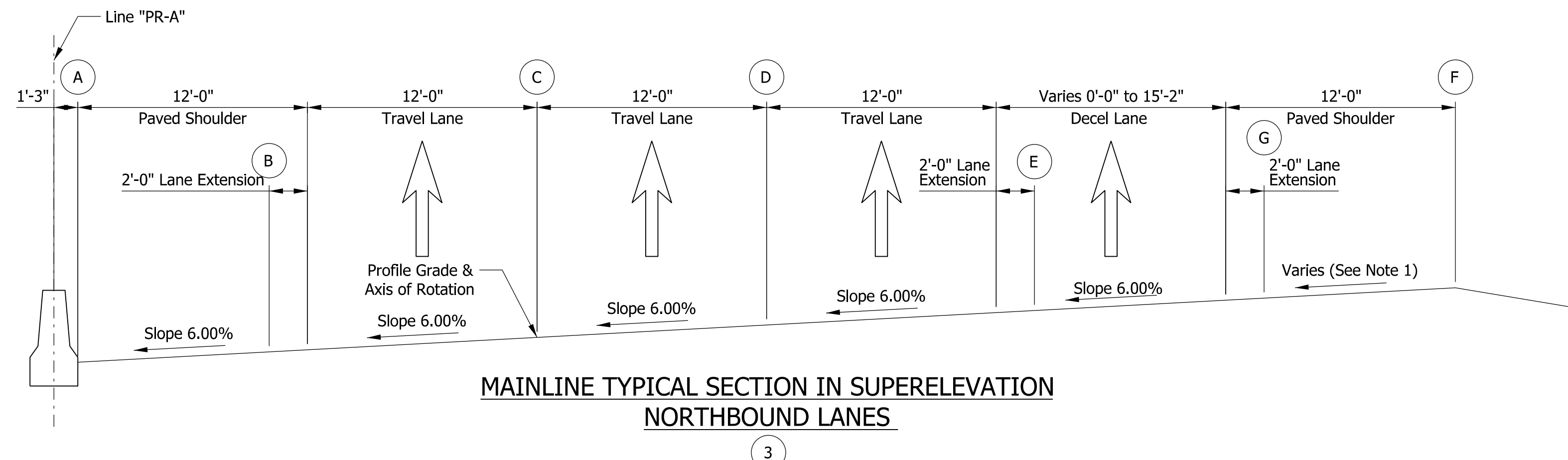
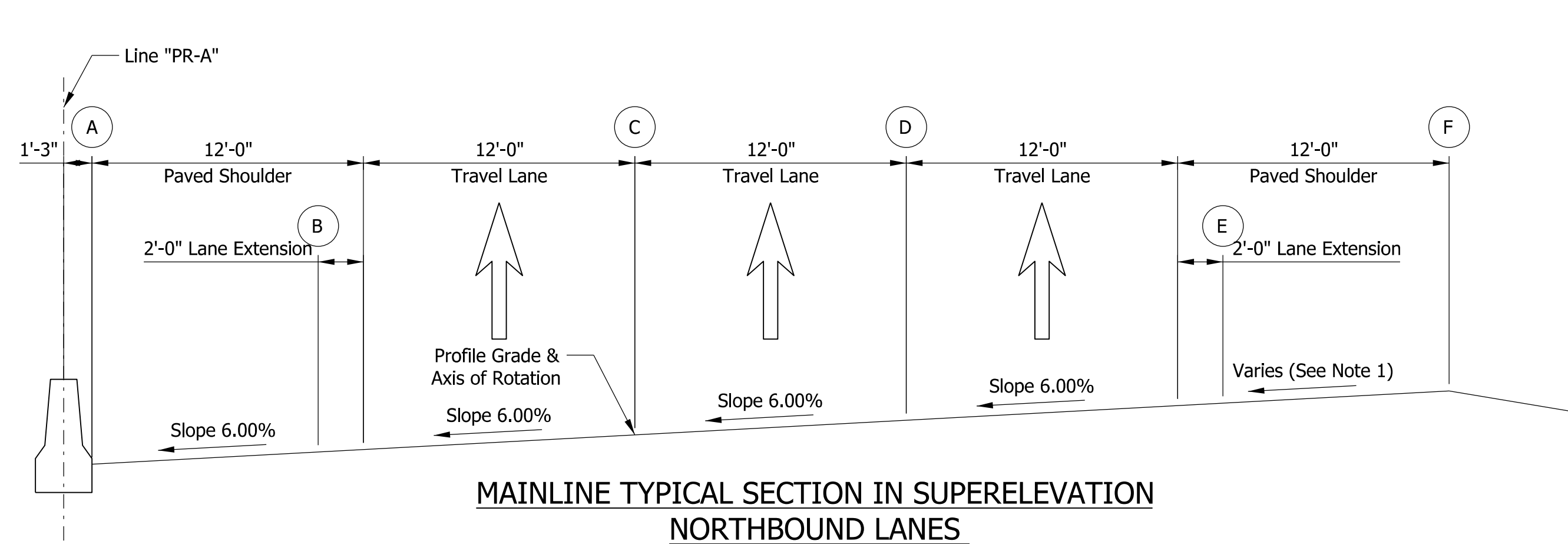
SUPERELEVATION DIAGRAMS  
LINE "PR-A" NB

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
1"=0.50'	2001172 & 2100049
SURVEY BOOK	SHEET SED-01
ELECTRONIC	163 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

rstrnegel  
 1/29/2021 6:13:01 pm  
 model-sheet1  
 file: c:\cadd\ib\p\trstrnegel\p\grat\_lakes\024038512001172-rd-s-sect01.dgn



**CURVE**  
**3**  
 PI = 886+24.35  
 Delta = 49°55'06" Lt.  
 R = 3190.00 ft.  
 T = 1484.76 ft.  
 L = 2779.26 ft.  
 E = 328.61 ft.  
 SE = 6.00%  
 DS = 70 MPH



Notes:  
 1. Slope varies between +6.00% and -2.00% in multiple locations throughout curve.

**DRAFT**  
 NOT FOR CONSTRUCTION

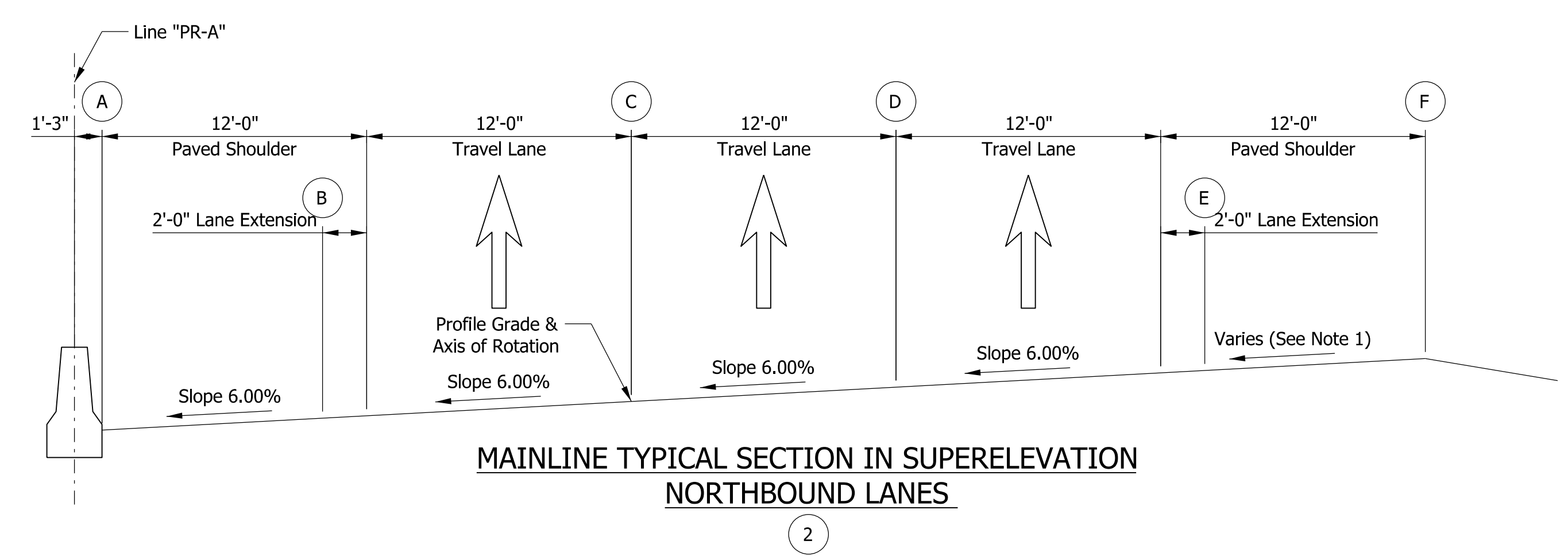
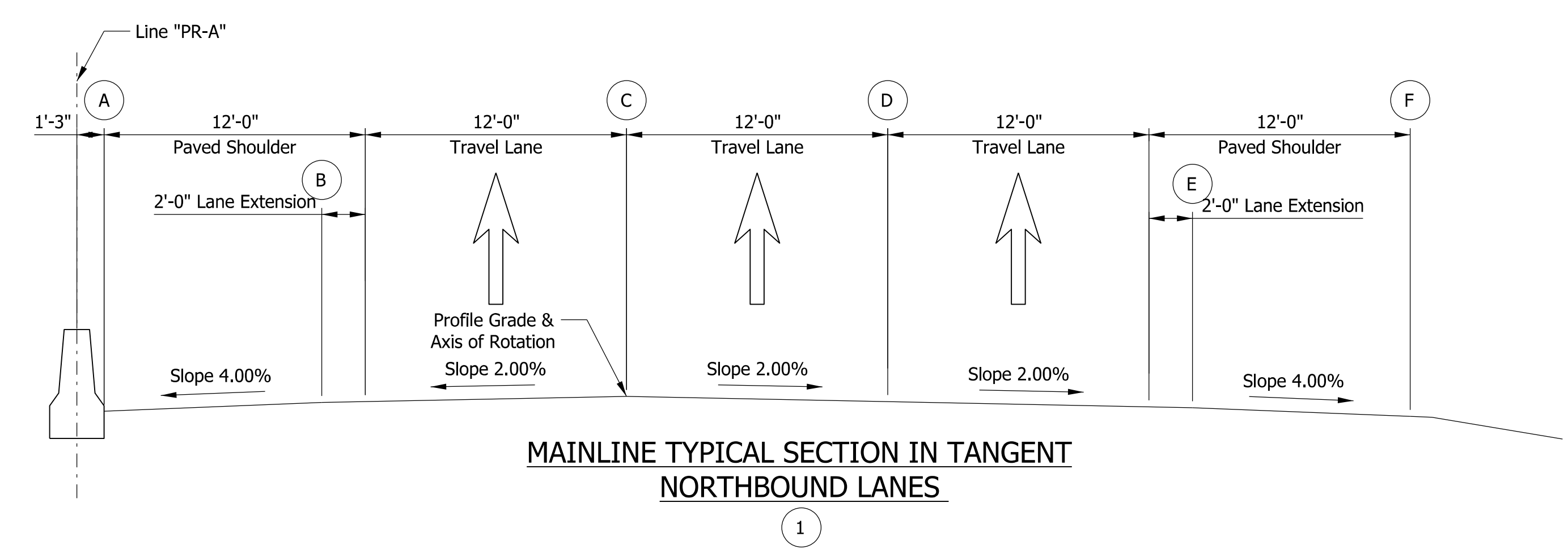
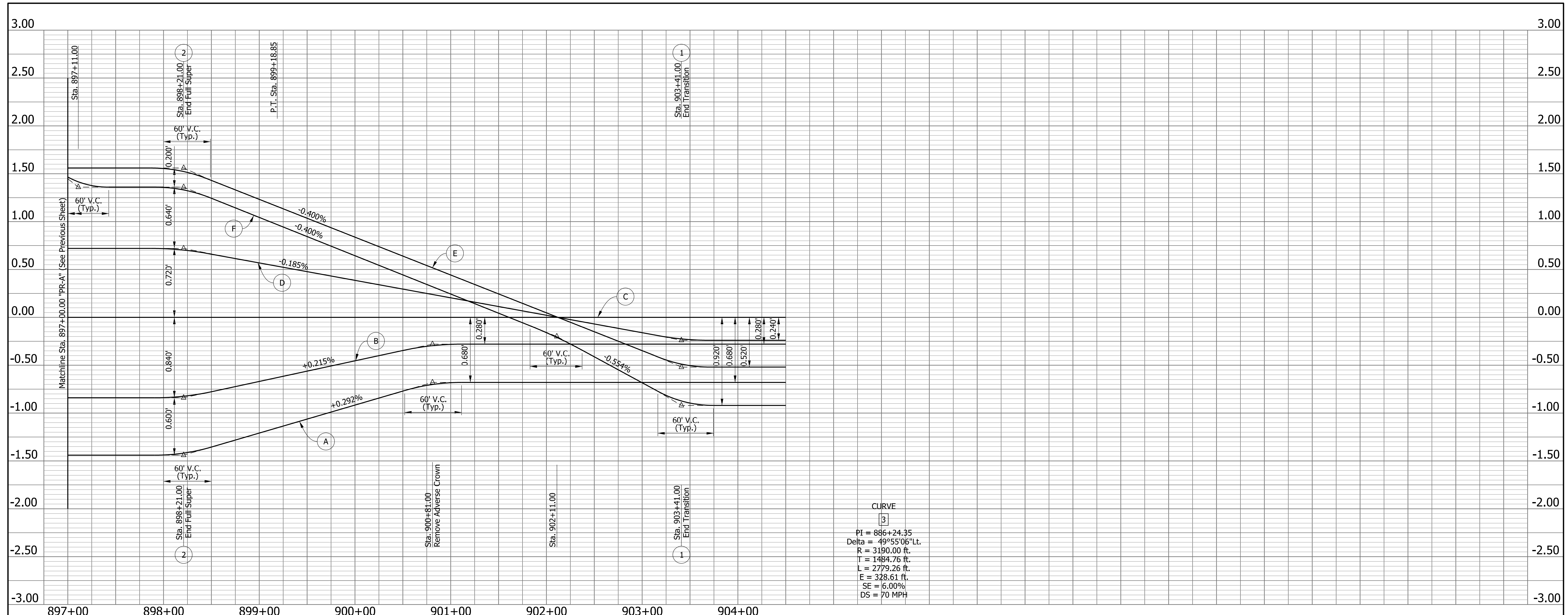
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ JMA _____	DRAWN: _____ JMA _____	
CHECKED: _____ MKM _____	CHECKED: _____ MKM _____	

INDIANA  
 DEPARTMENT OF TRANSPORTATION

**SUPERELEVATION DIAGRAMS**  
 LINE "PR-A" NB

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
1"=0.50'	2001172 & 2100049
SURVEY BOOK	SHEET SED-02
ELECTRONIC	164 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

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Notes:  
1. Slope varies between +6.00% and -2.00% in multiple locations throughout curve.

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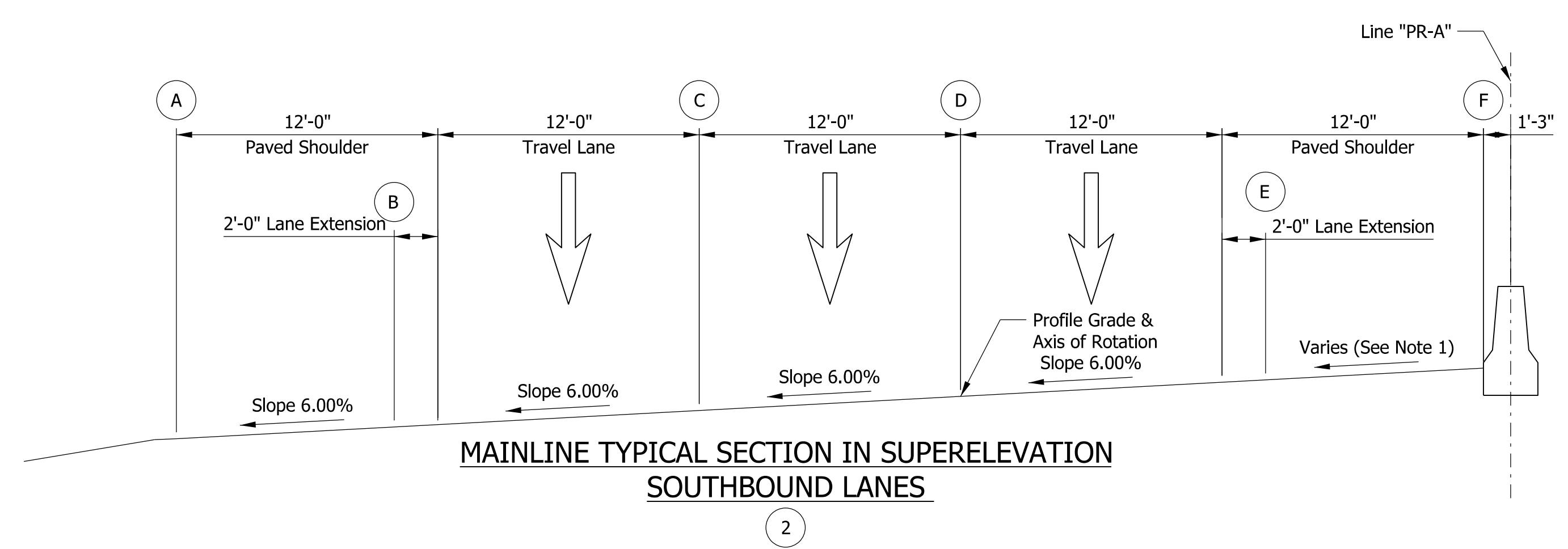
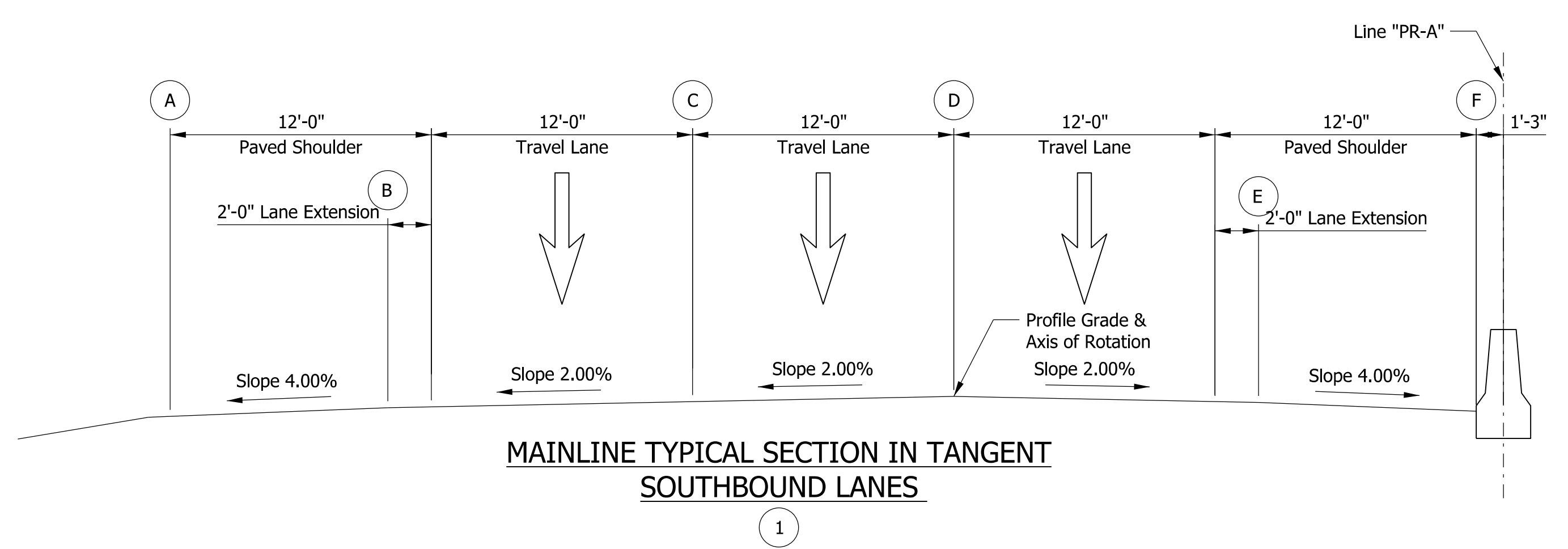
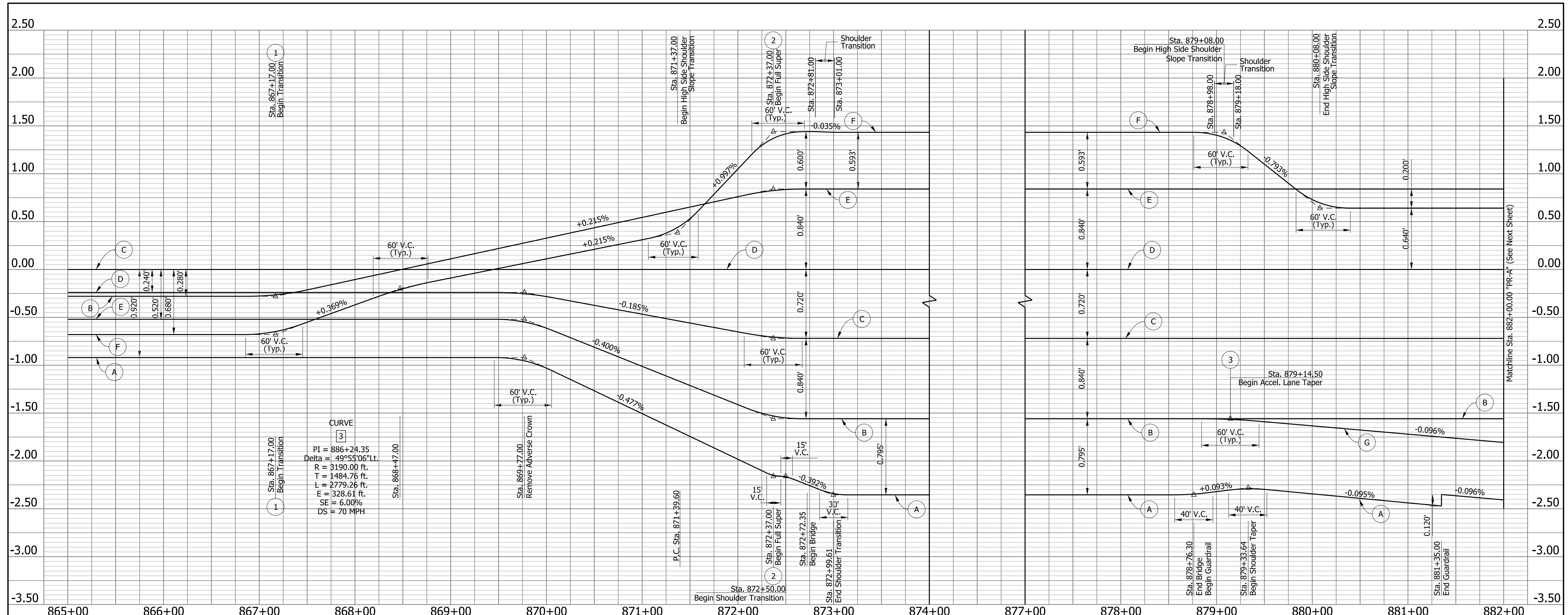
**DRAFT**  
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ JMA _____	DRAWN: _____ JMA _____	
CHECKED: _____ MKM _____	CHECKED: _____ MKM _____	

INDIANA  
DEPARTMENT OF TRANSPORTATION

**SUPERELEVATION DIAGRAMS  
LINE "PR-A" NB**

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
1"=0.50'	2001172 & 2100049
SURVEY BOOK	SHEET SED-03
ELECTRONIC	165 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



Notes:  
1. Slope varies between +6.00% and -2.00% in multiple locations throughout curve.

**DRAFT**  
NOT FOR CONSTRUCTION

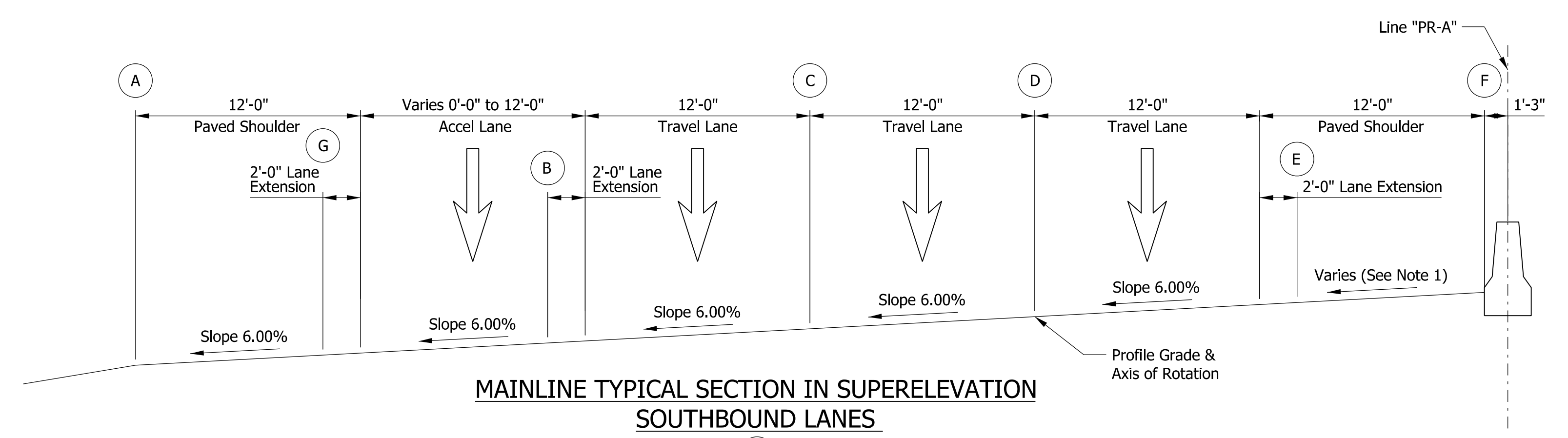
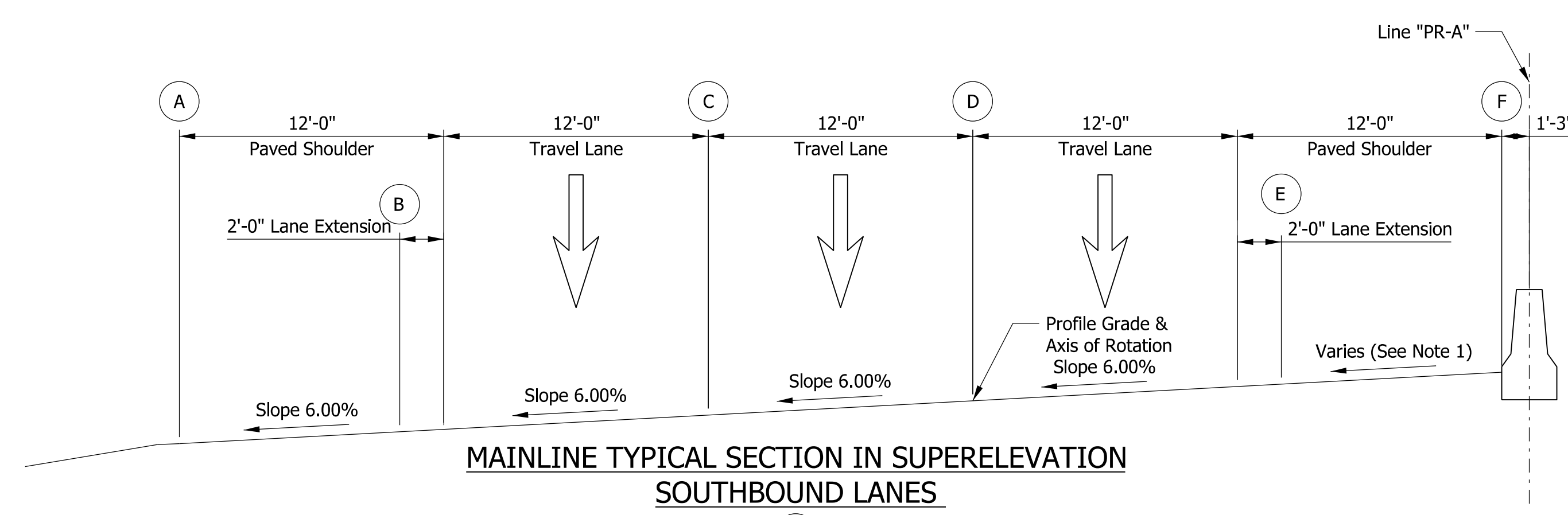
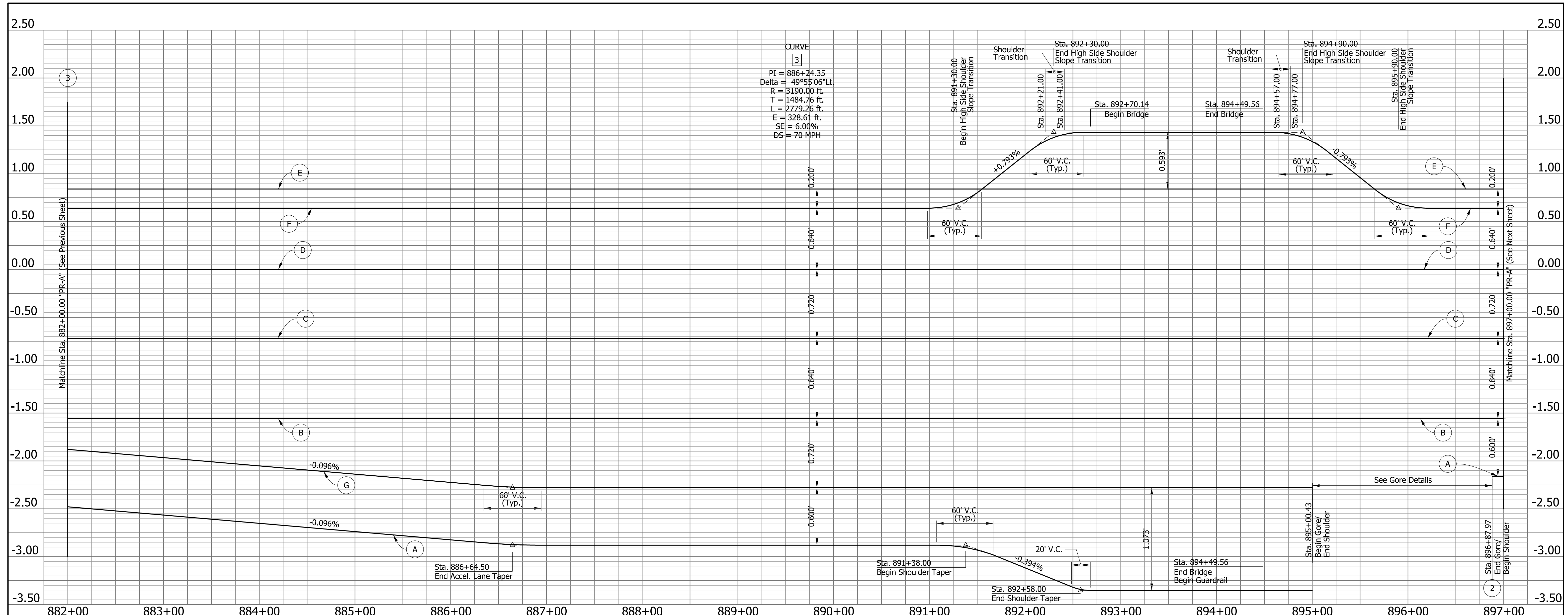
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ JMA _____	DRAWN: _____ JMA _____	
CHECKED: _____ MKM _____	CHECKED: _____ MKM _____	

INDIANA  
DEPARTMENT OF TRANSPORTATION

**SUPERELEVATION DIAGRAMS  
LINE "PR-A" SB**

HORIZONTAL SCALE 1"=50'	BRIDGE FILE N/A
VERTICAL SCALE 1"=0.50'	DESIGNATION 2001172 & 2100049
SURVEY BOOK ELECTRONIC CONTRACT R-42909	SHEET SED-04 166 of 531 PROJECT 2001172 & 2100049

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 model-sheet4  
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Notes:  
 1. Slope varies between +6.00% and -2.00% in multiple locations throughout curve.

**DRAFT**  
 NOT FOR CONSTRUCTION

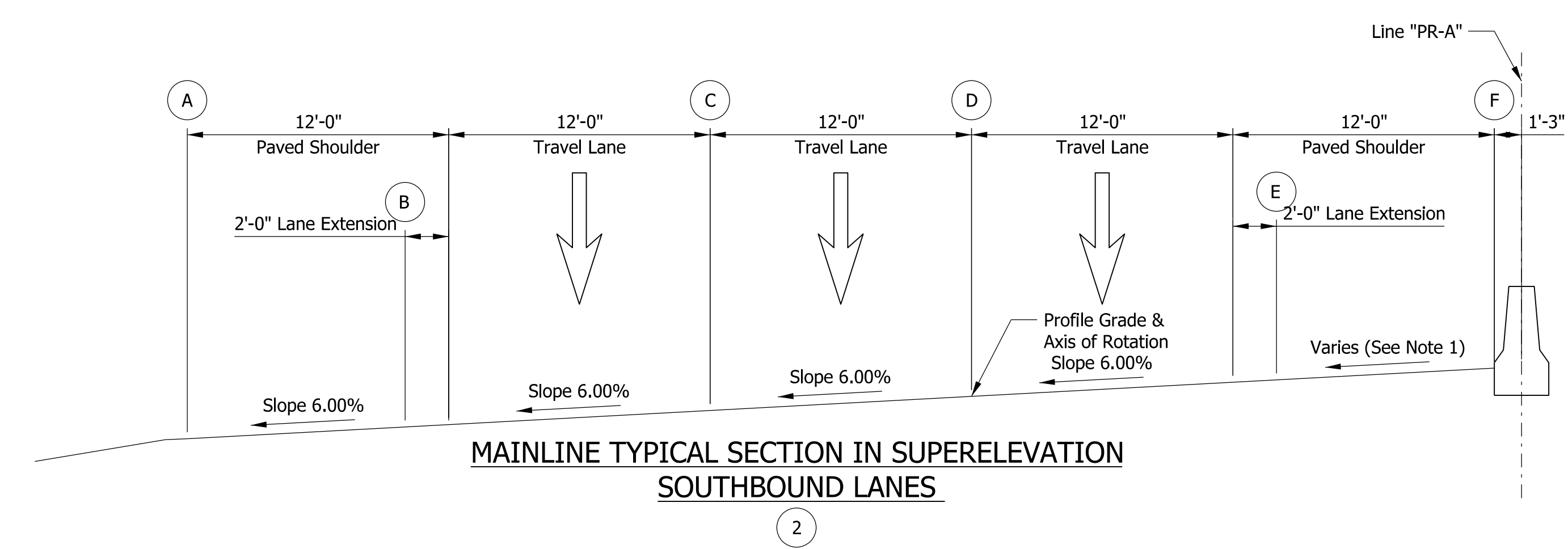
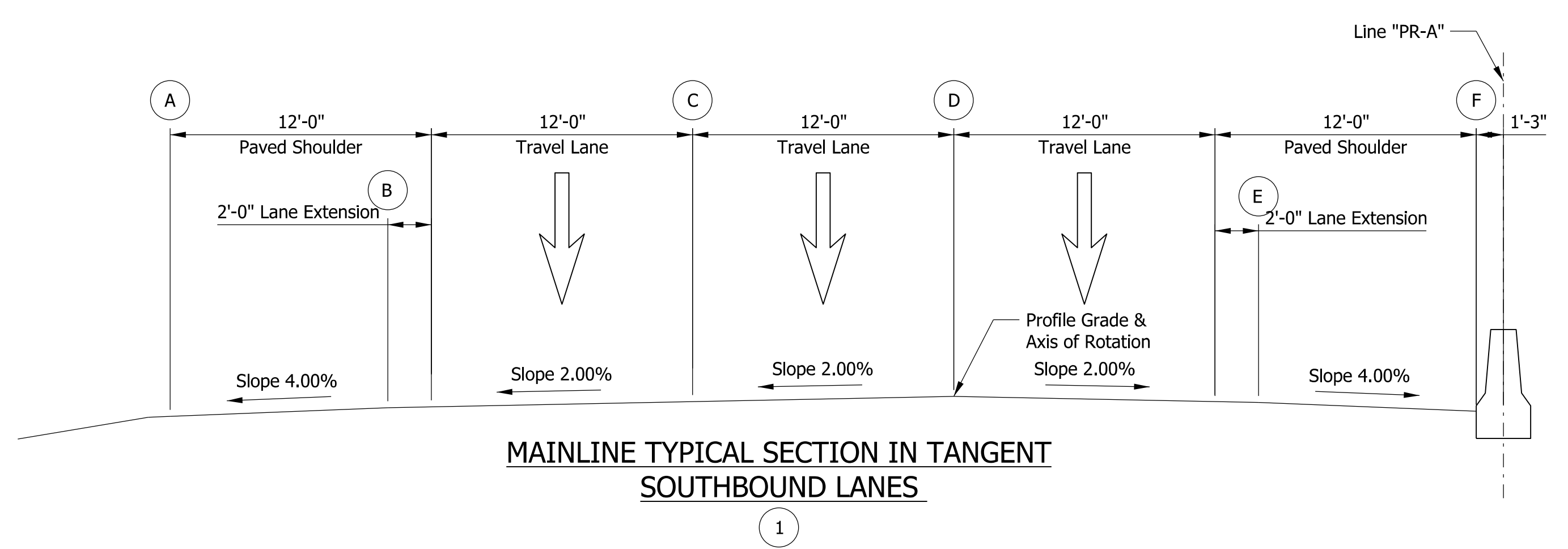
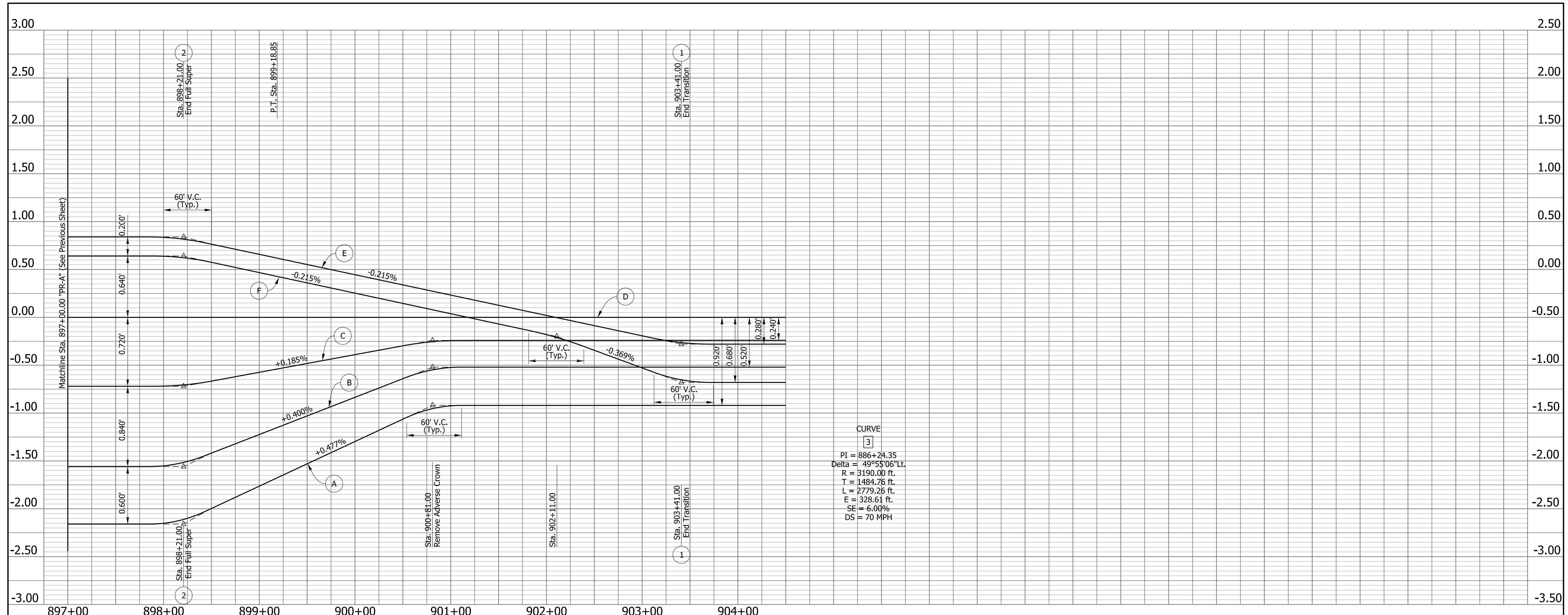
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JMA	DRAWN: JMA	
CHECKED: MKM	CHECKED: MKM	

INDIANA  
 DEPARTMENT OF TRANSPORTATION

**SUPERELEVATION DIAGRAMS  
 LINE "PR-A" SB**

HORIZONTAL SCALE 1"=50'	BRIDGE FILE N/A
VERTICAL SCALE 1"=0.50'	DESIGNATION 2001172 & 2100049
SURVEY BOOK ELECTRONIC	SHEET 167 of 531
CONTRACT R-42909	PROJECT 2001172 & 2100049

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 file: c:\cadd\ib\pwr\striegel\pwr\grat\_lakes\02\40385\2001172-rd-s-sect01.dgn



Notes:

1. Slope varies between +6.00% and -2.00% in multiple locations throughout curve.

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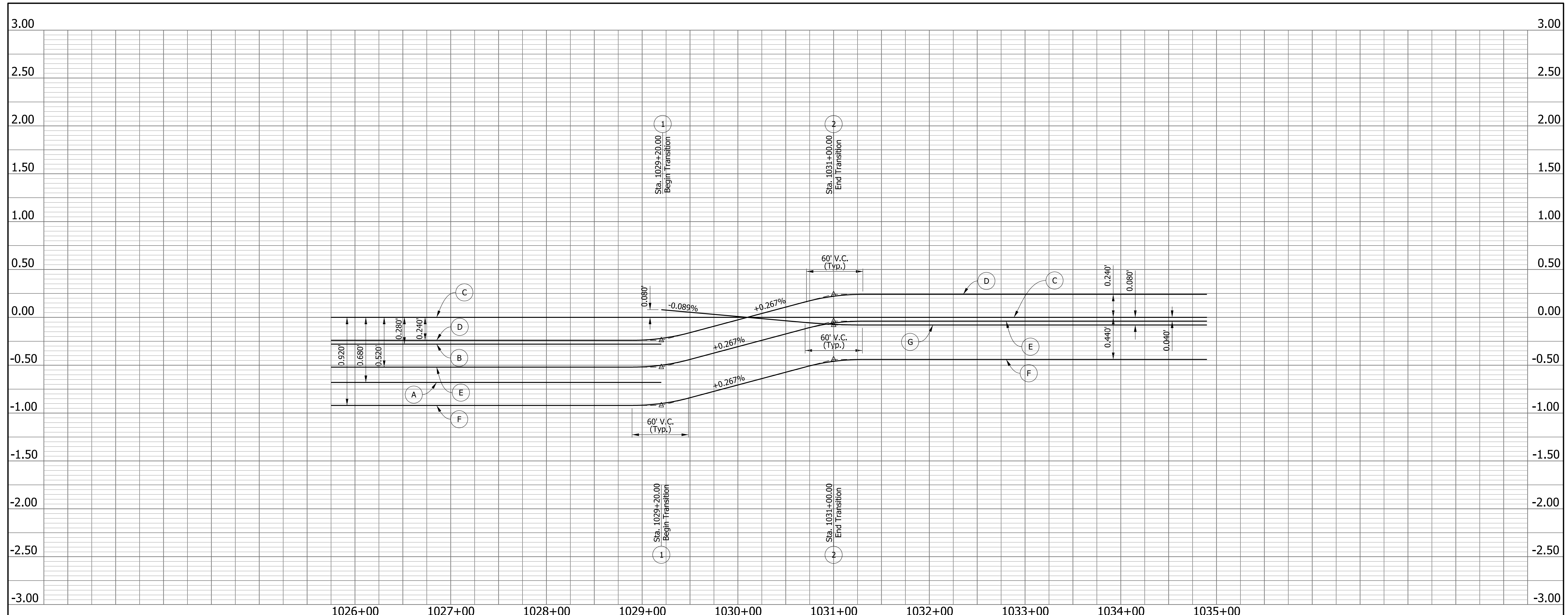
**DRAFT**  
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ JMA _____	DRAWN: _____ JMA _____	
CHECKED: _____ MKM _____	CHECKED: _____ MKM _____	

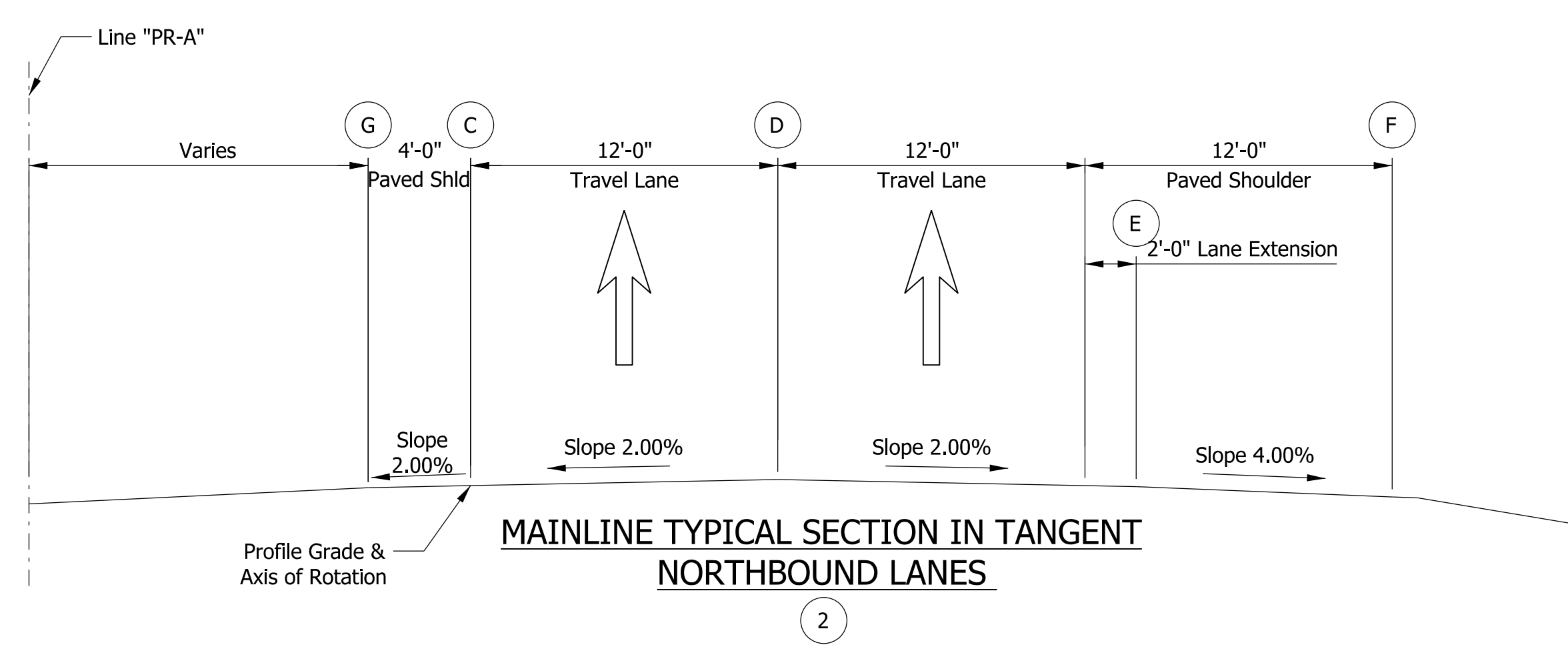
INDIANA  
DEPARTMENT OF TRANSPORTATION

SUPERELEVATION DIAGRAMS  
LINE "PR-A" SB

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
1"=0.50'	2001172 & 2100049
SURVEY BOOK	SHEET SED-06
ELECTRONIC	168 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



1



2

rstriegel  
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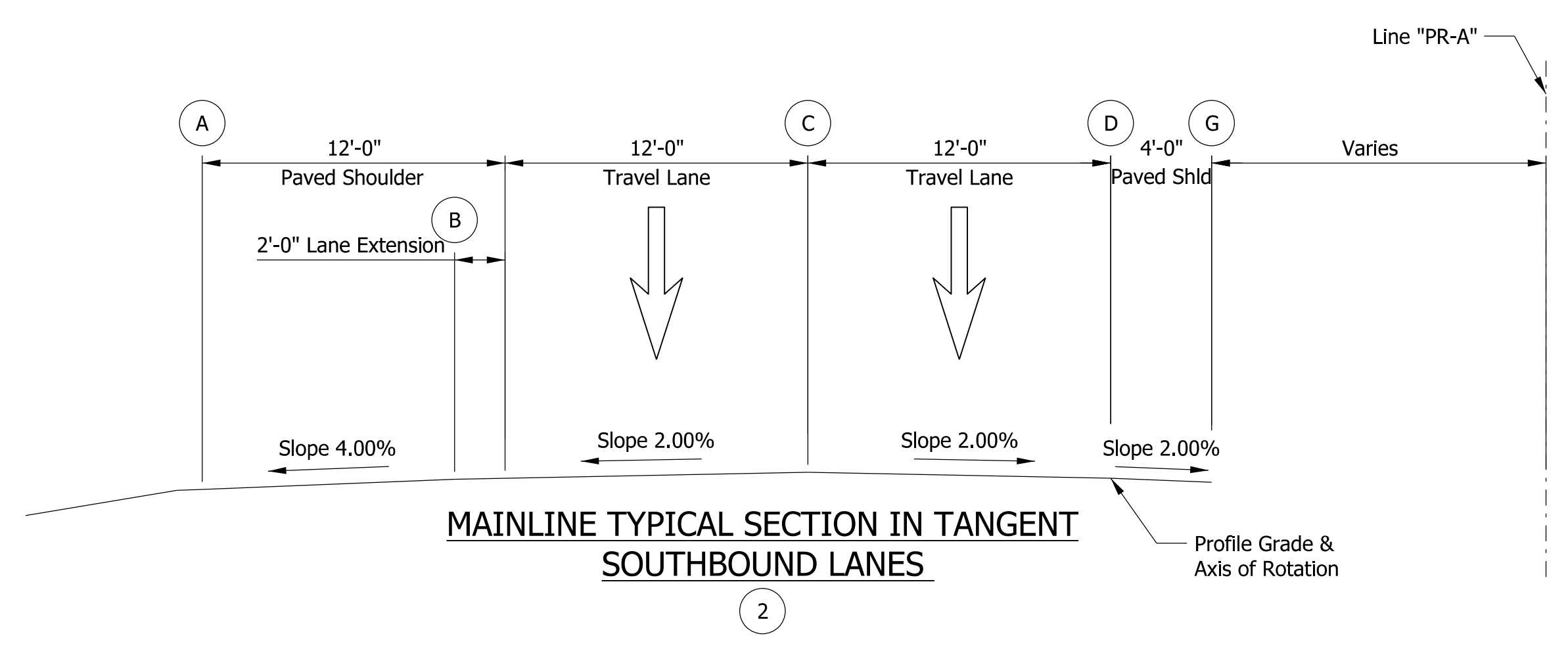
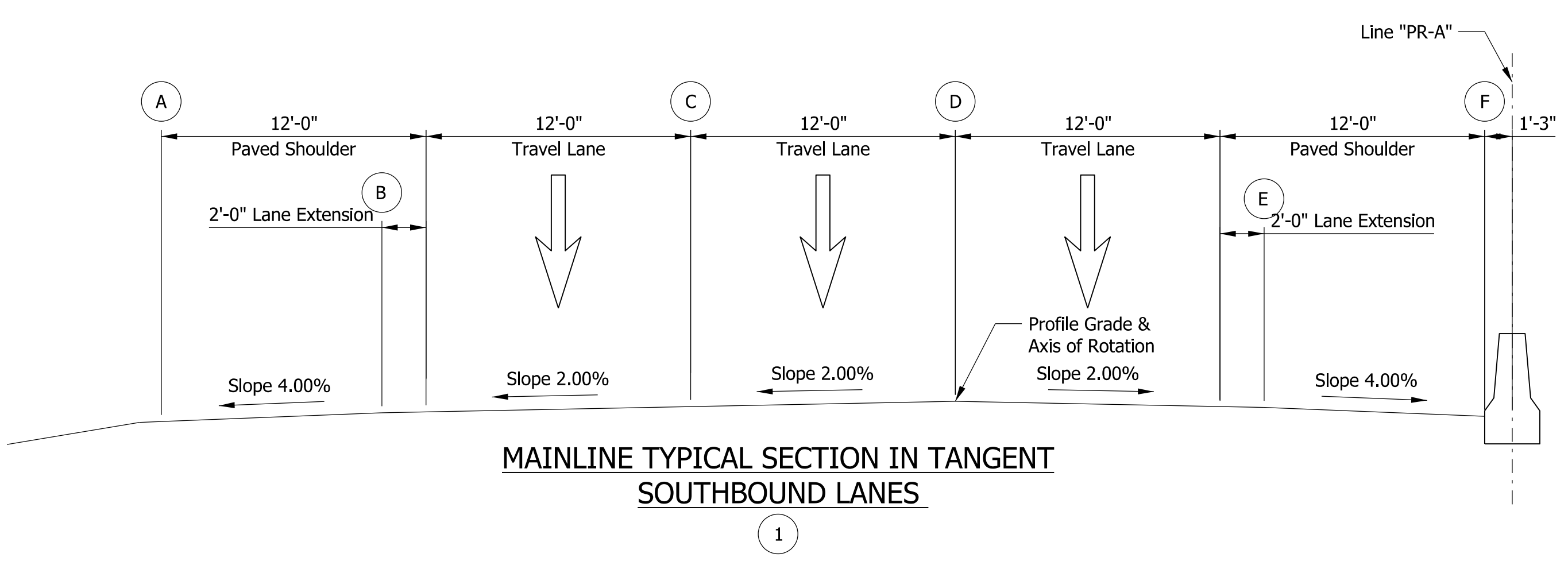
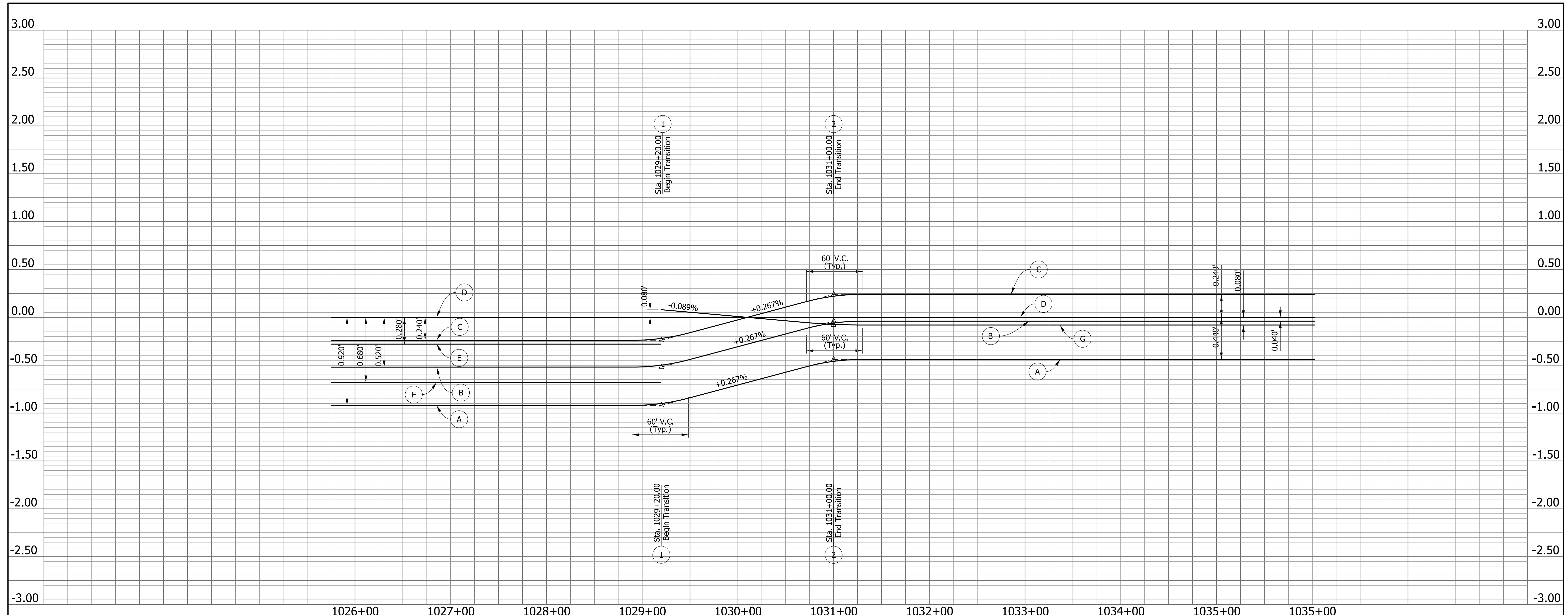
**DRAFT**  
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ JMA _____	DRAWN: _____ JMA _____	
CHECKED: _____ MKM _____	CHECKED: _____ MKM _____	

INDIANA  
DEPARTMENT OF TRANSPORTATION

SUPERELEVATION DIAGRAMS  
LINE "PR-A" NB

HORIZONTAL SCALE 1"=50'	BRIDGE FILE N/A
VERTICAL SCALE 1"=0.50'	DESIGNATION 2001172 & 2100049
SURVEY BOOK ELECTRONIC	SHEET 169 of 531
CONTRACT R-42909	PROJECT 2001172 & 2100049



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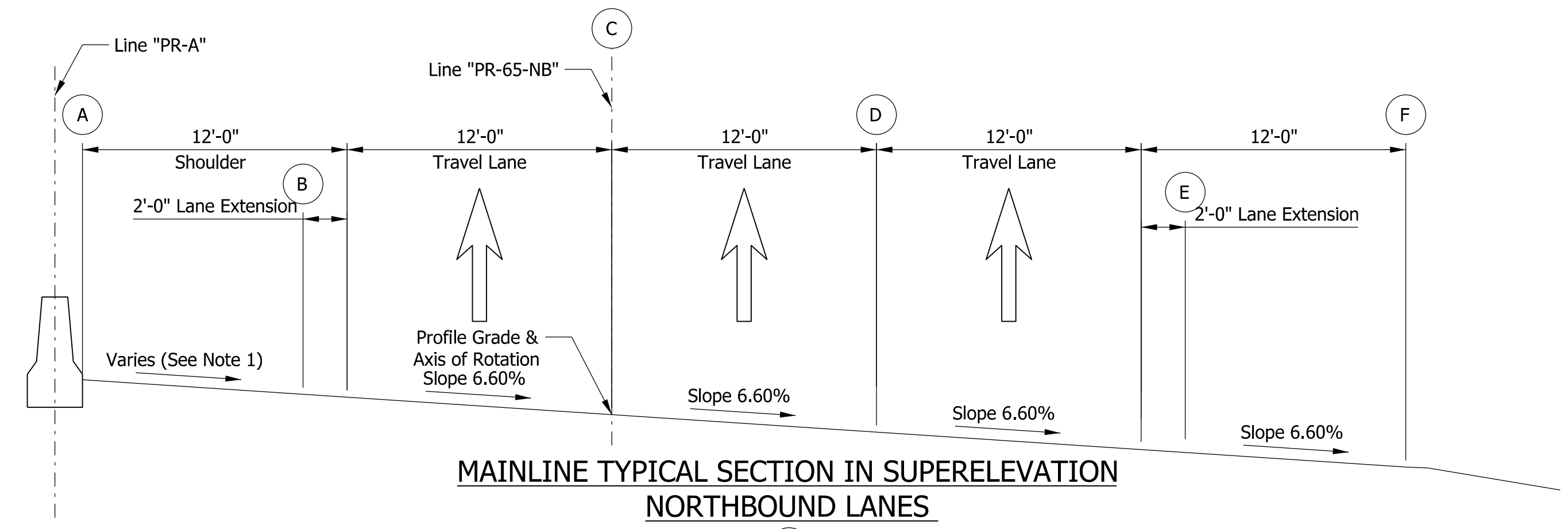
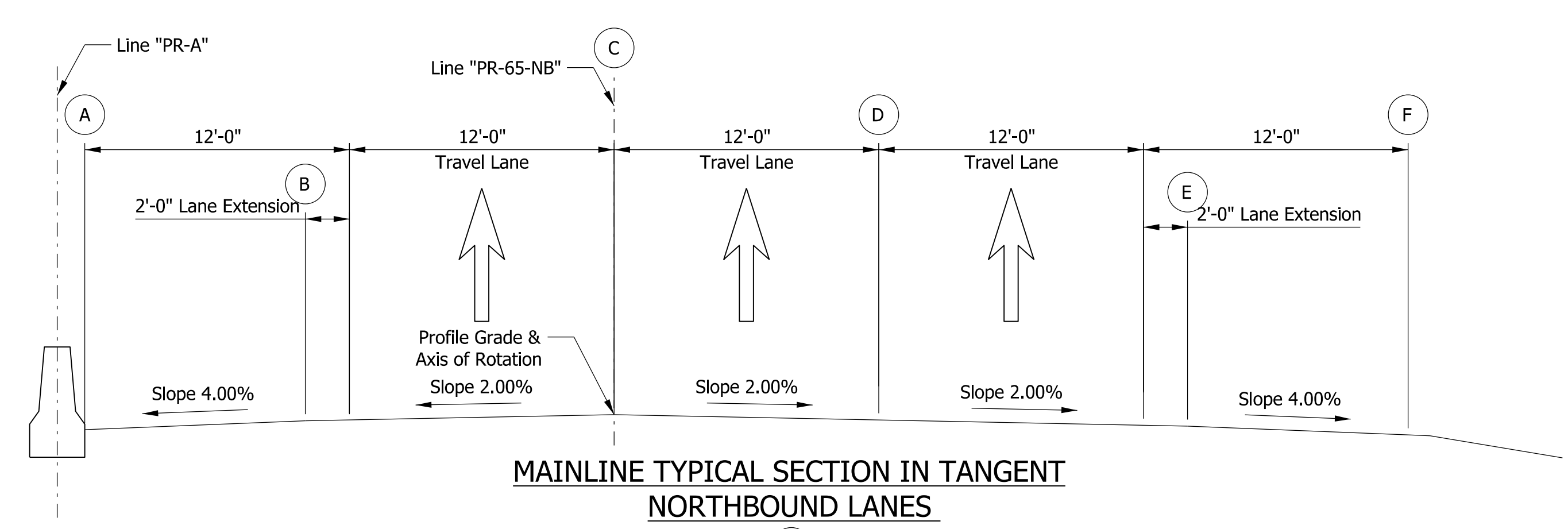
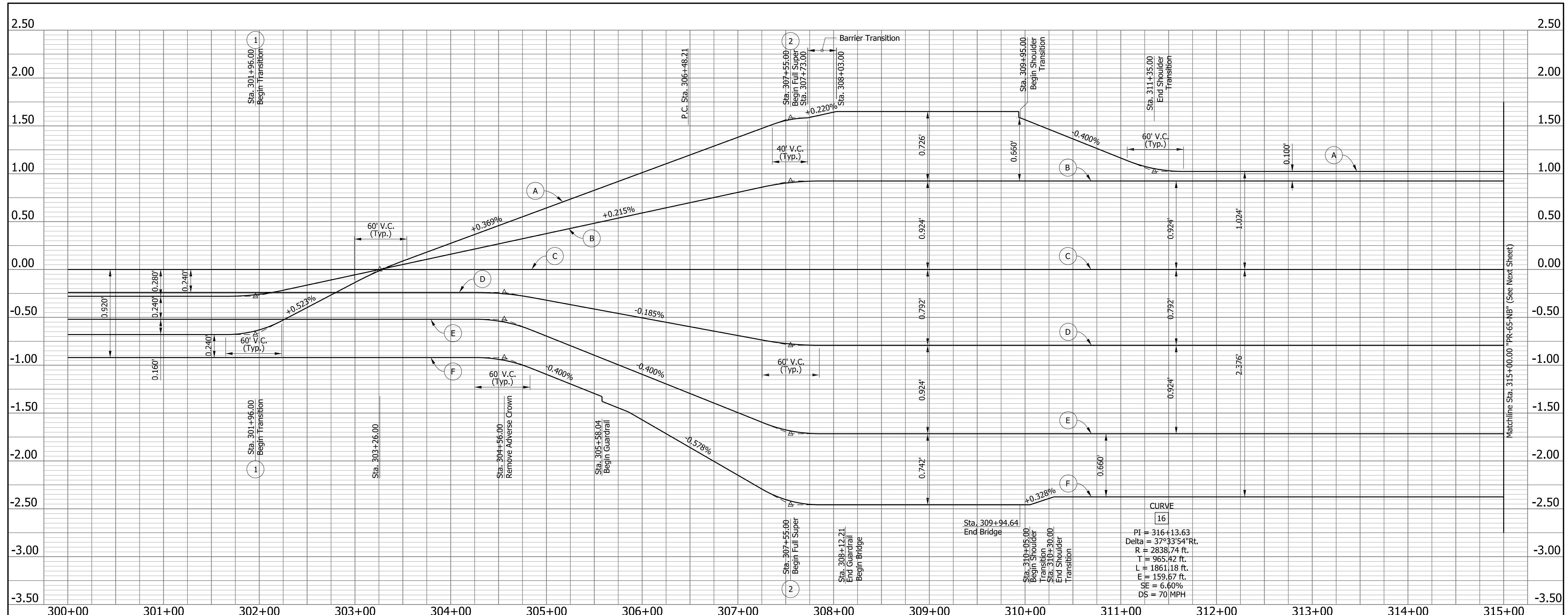
**DRAFT**  
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ JMA _____	DRAWN: _____ JMA _____	
CHECKED: _____ MKM _____	CHECKED: _____ MKM _____	

INDIANA  
 DEPARTMENT OF TRANSPORTATION  
  
 SUPERELEVATION DIAGRAMS  
 LINE "PR-A" SB

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
1"=0.50'	2001172 & 2100049
SURVEY BOOK	SHEET
ELECTRONIC	170 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049





Notes:  
 1. Cross Slope Transitions from 6.60% to 1.00% from Sta. 309+95.00 "PR-65-NB" to Sta. 311+35.00 "PR-65-NB"

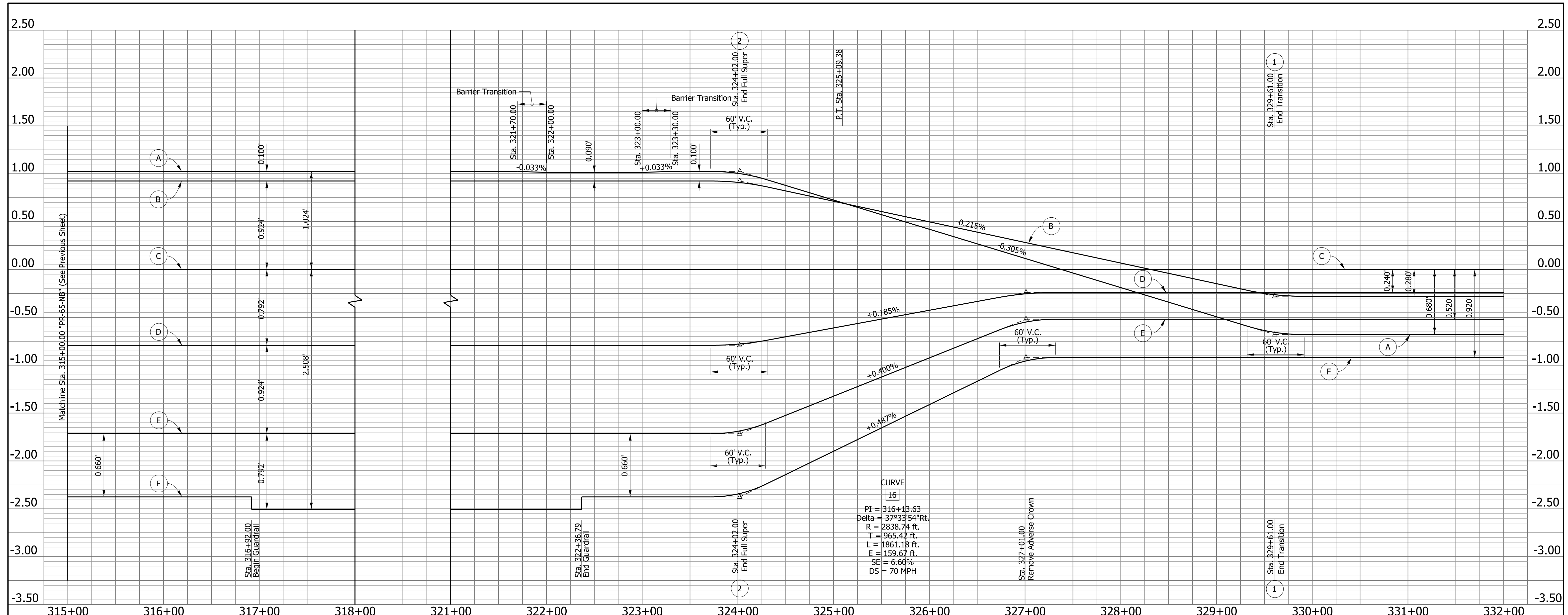
**DRAFT**  
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ JMA _____	DRAWN: _____ JMA _____	
CHECKED: _____ MKM _____	CHECKED: _____ MKM _____	

INDIANA DEPARTMENT OF TRANSPORTATION  
 SUPERELEVATION DIAGRAMS  
 LINE "PR-65-NB"

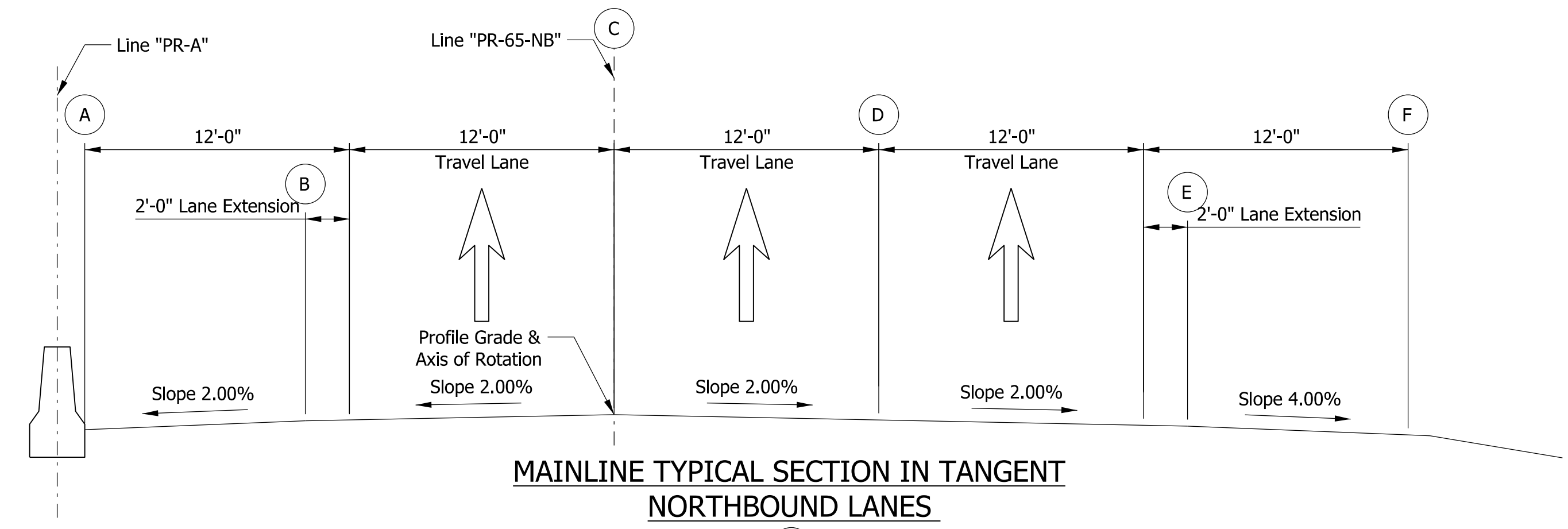
HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
1"=0.50'	2001172 & 2100049
SURVEY BOOK	SHEET SED-09
ELECTRONIC	171 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

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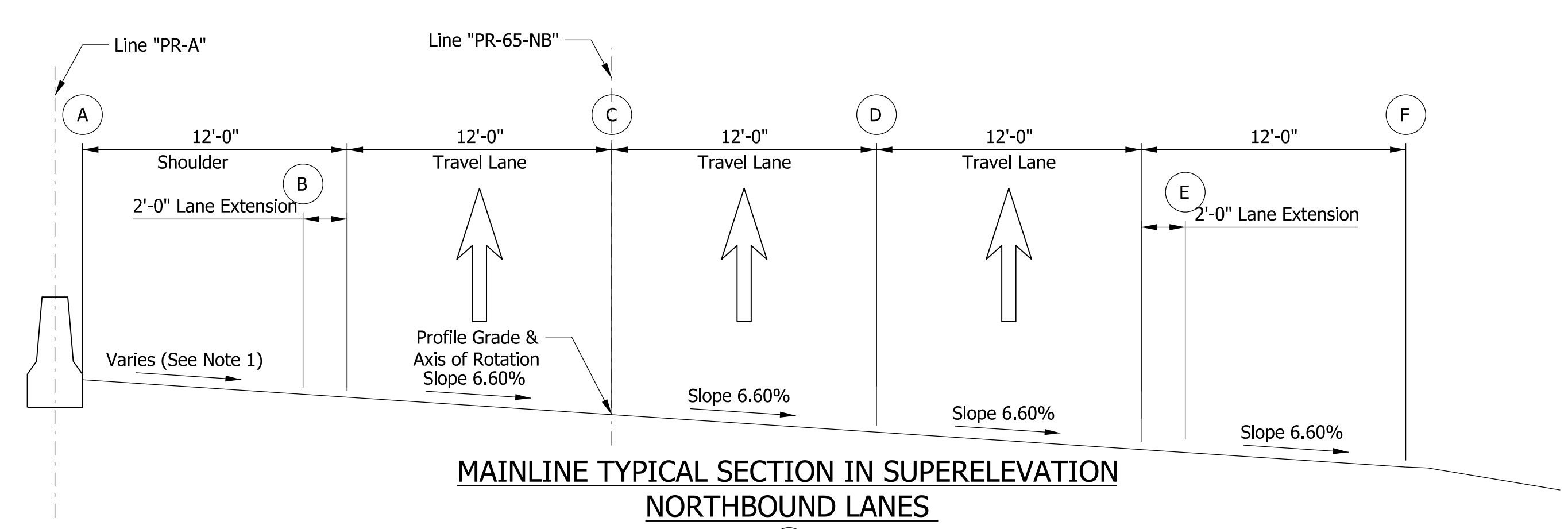


**CURVE 16**

PI = 316+13.63  
 Delta = 37°33'54" Rt.  
 R = 2838.74 ft.  
 T = 965.42 ft.  
 L = 1861.18 ft.  
 E = 159.67 ft.  
 SE = 6.60%  
 DS = 70 MPH



**MAINLINE TYPICAL SECTION IN TANGENT NORTHBOUND LANES**



**MAINLINE TYPICAL SECTION IN SUPERELEVATION NORTHBOUND LANES**

Notes:  
 1. Cross Slope Transitions from 6.60% to 1.00% from Sta. 309+95.00 "PR-65-NB" to Sta. 311+35.00 "PR-65-NB"

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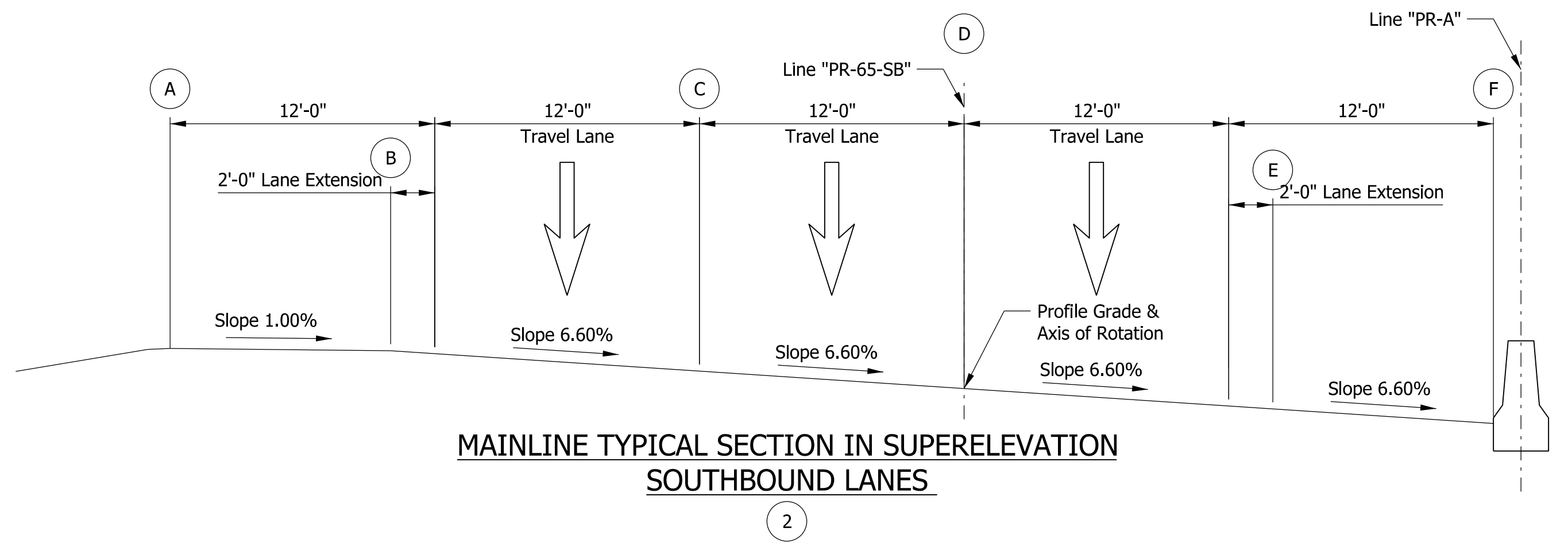
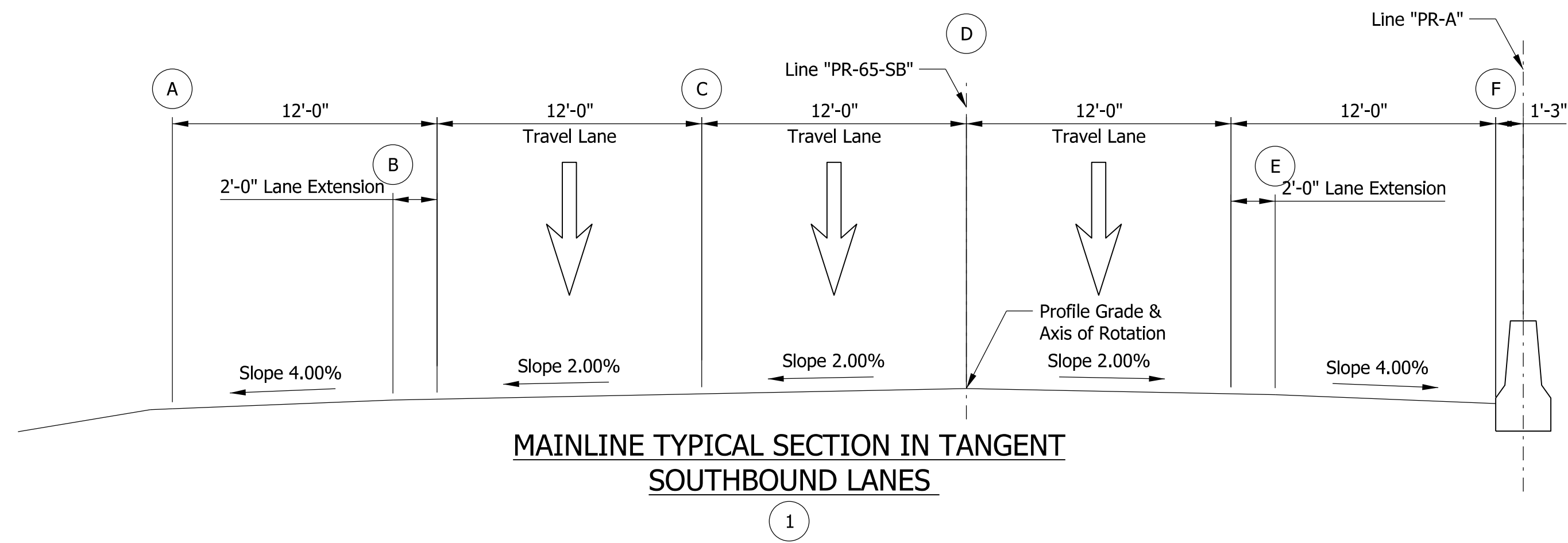
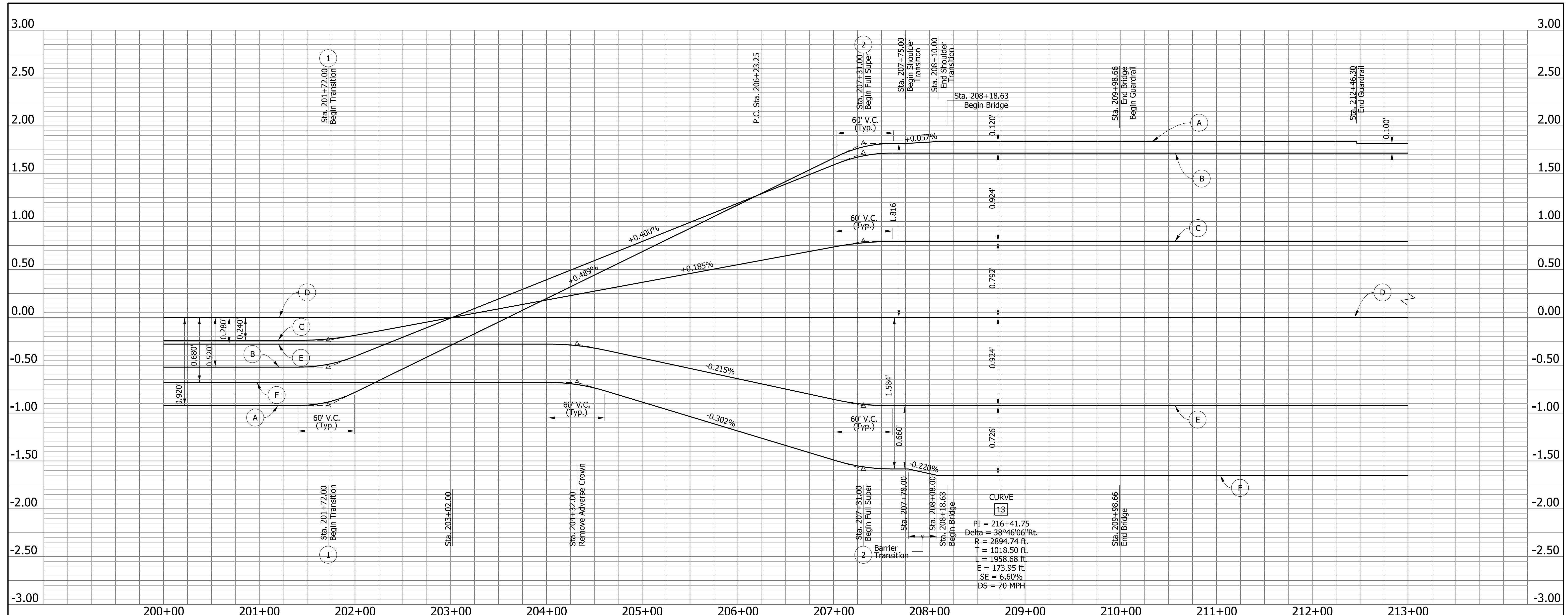
**DRAFT**  
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JMA	
CHECKED: MKM	CHECKED: MKM	

INDIANA  
 DEPARTMENT OF TRANSPORTATION

**SUPERELEVATION DIAGRAMS  
 LINE "PR-65-NB"**

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
1"=0.50'	2001172 & 2100049
SURVEY BOOK	SHEET SED-10
ELECTRONIC	172 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



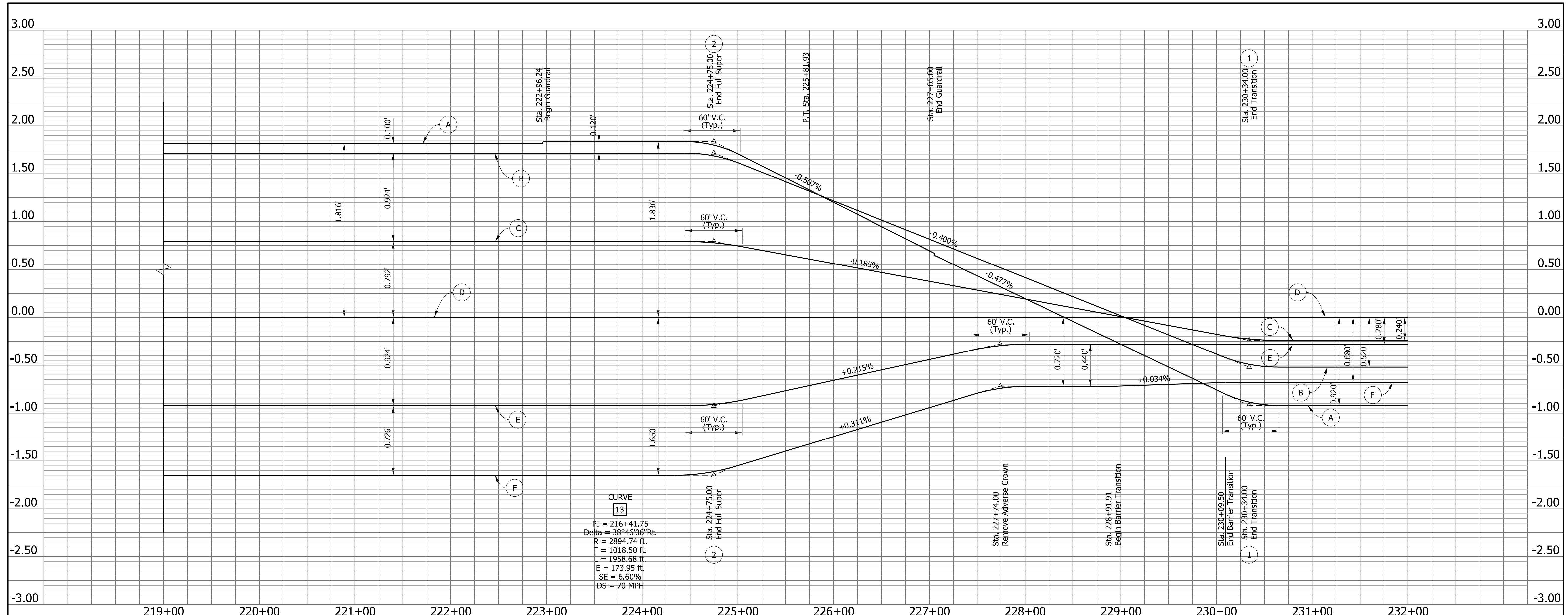
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**DRAFT**  
 NOT FOR CONSTRUCTION

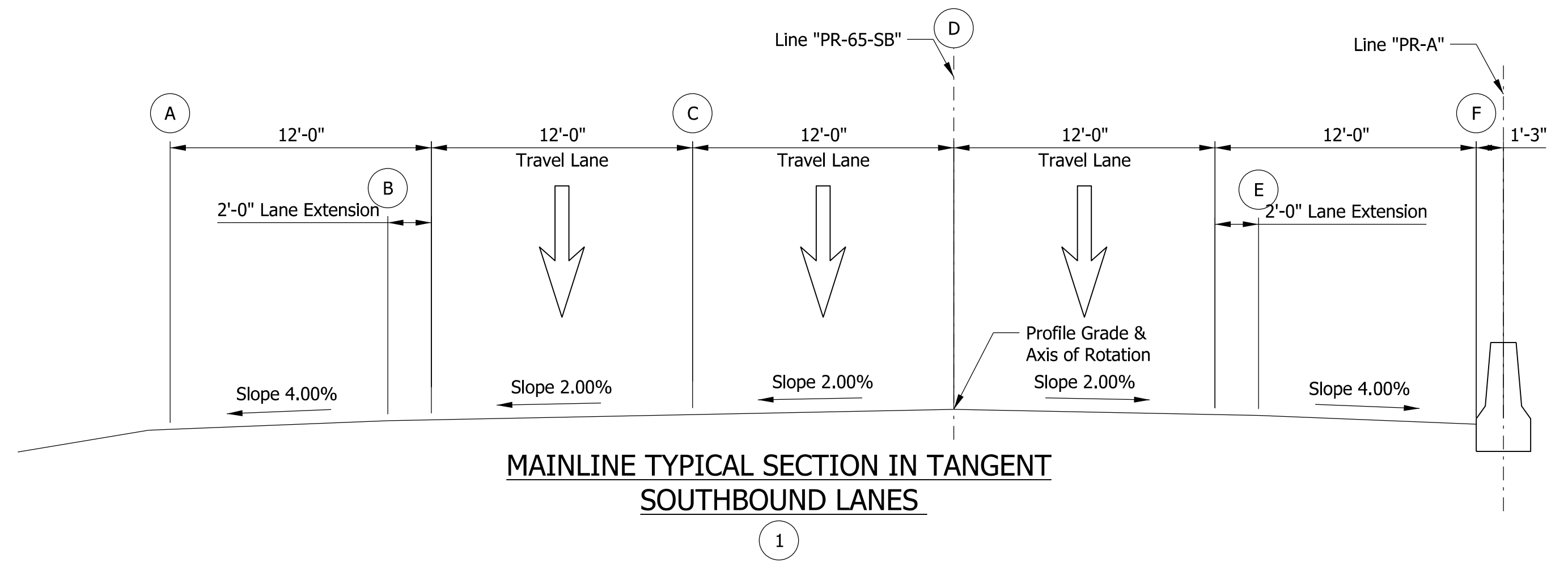
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JMA	DRAWN: JMA	
CHECKED: MKM	CHECKED: MKM	

INDIANA  
 DEPARTMENT OF TRANSPORTATION  
  
 SUPERELEVATION DIAGRAMS  
 LINE "PR-65-SB"

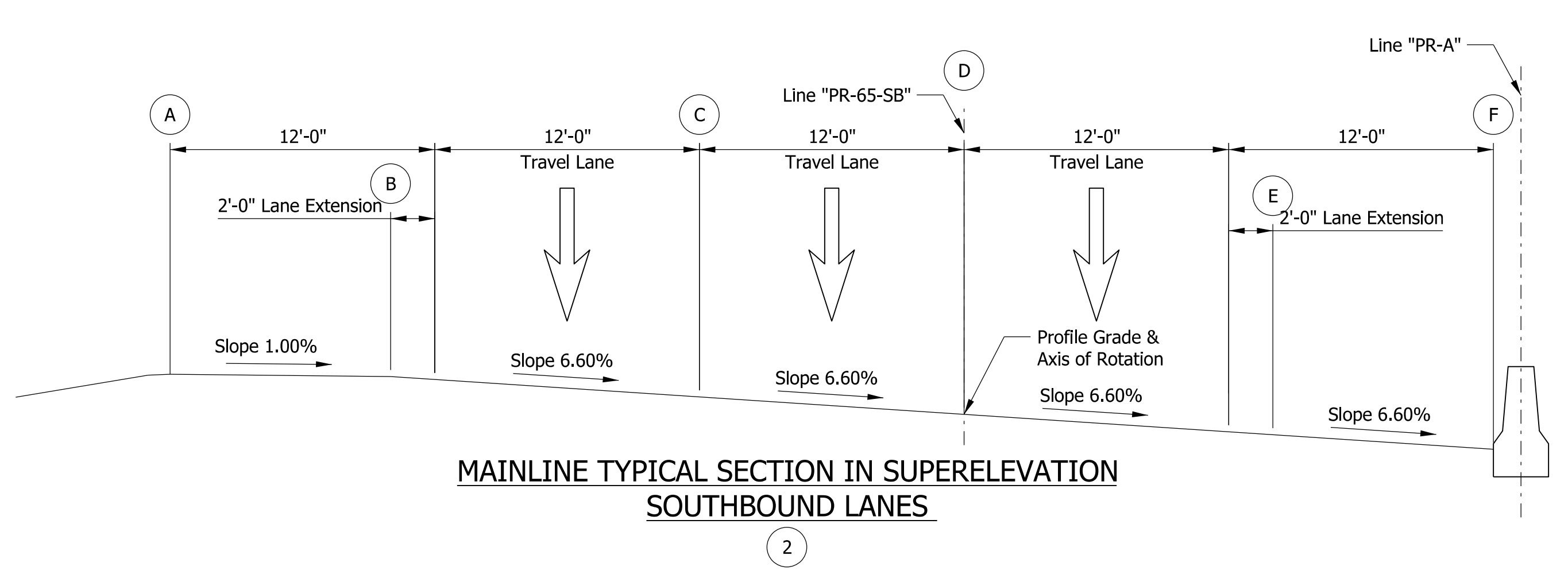
HORIZONTAL SCALE 1"=50'	BRIDGE FILE N/A
VERTICAL SCALE 1"=0.50'	DESIGNATION 2001172 & 2100049
SURVEY BOOK ELECTRONIC	SHEET 173 of 531
CONTRACT R-42909	PROJECT 2001172 & 2100049



**CURVE**  
 13  
 PI = 216+41.75  
 Delta = 38°46'04" Rt.  
 R = 2894.74 ft.  
 T = 1018.50 ft.  
 L = 1958.68 ft.  
 E = 173.95 ft.  
 SE = 6.60%  
 DS = 70 MPH



MAINLINE TYPICAL SECTION IN TANGENT SOUTHBOUND LANES



MAINLINE TYPICAL SECTION IN SUPERELEVATION SOUTHBOUND LANES

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 1/29/2021 6:13:10 pm  
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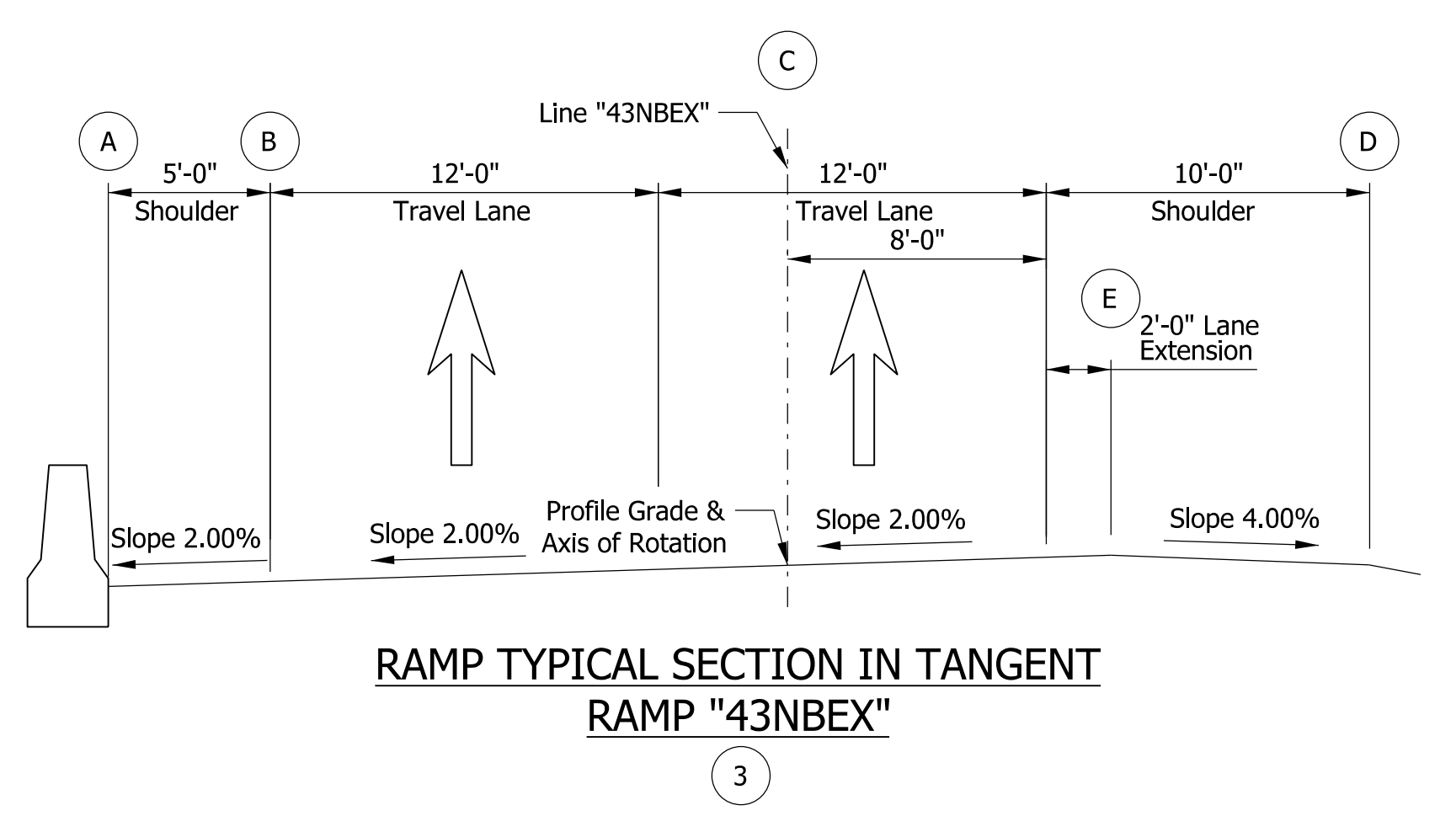
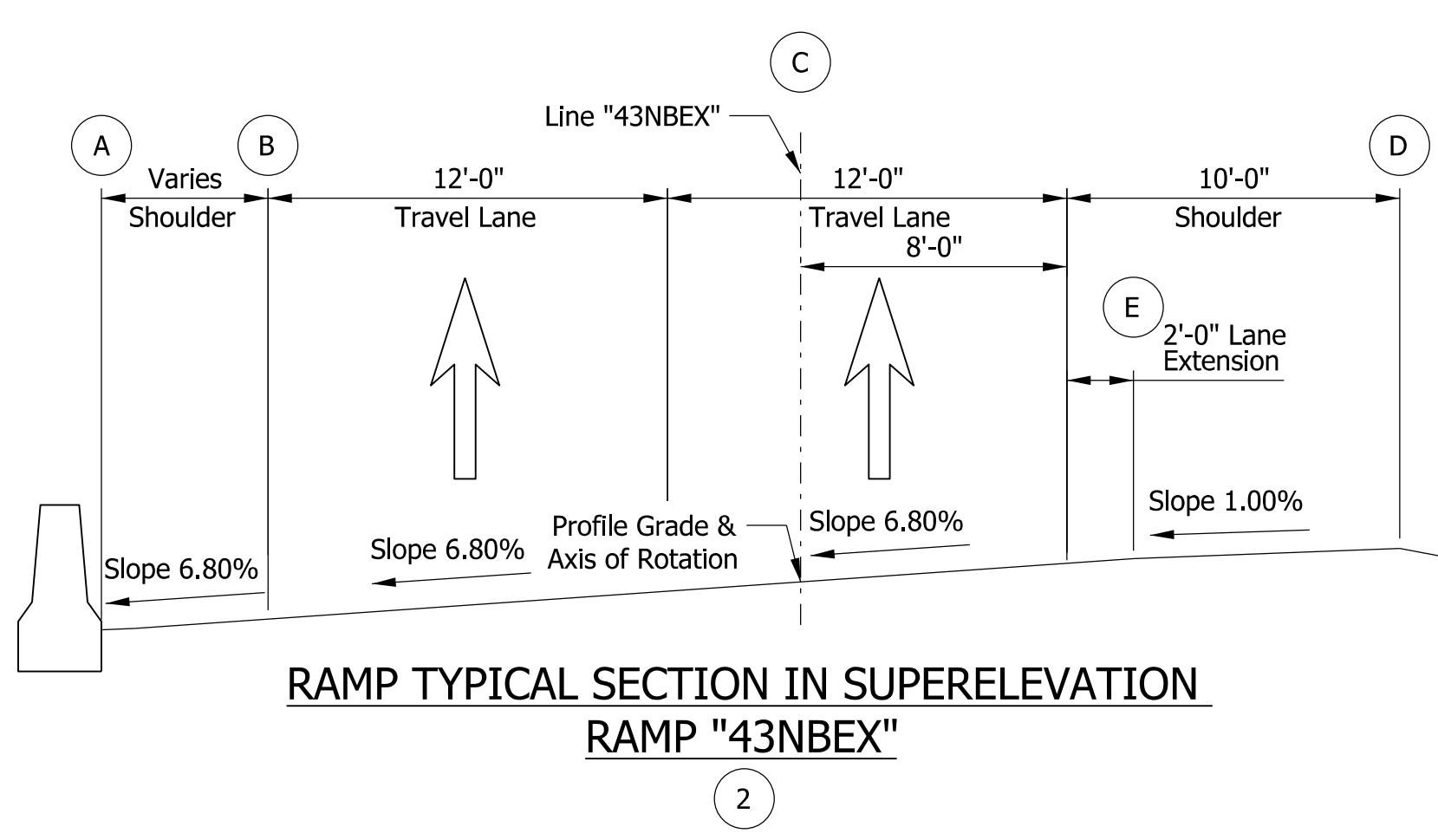
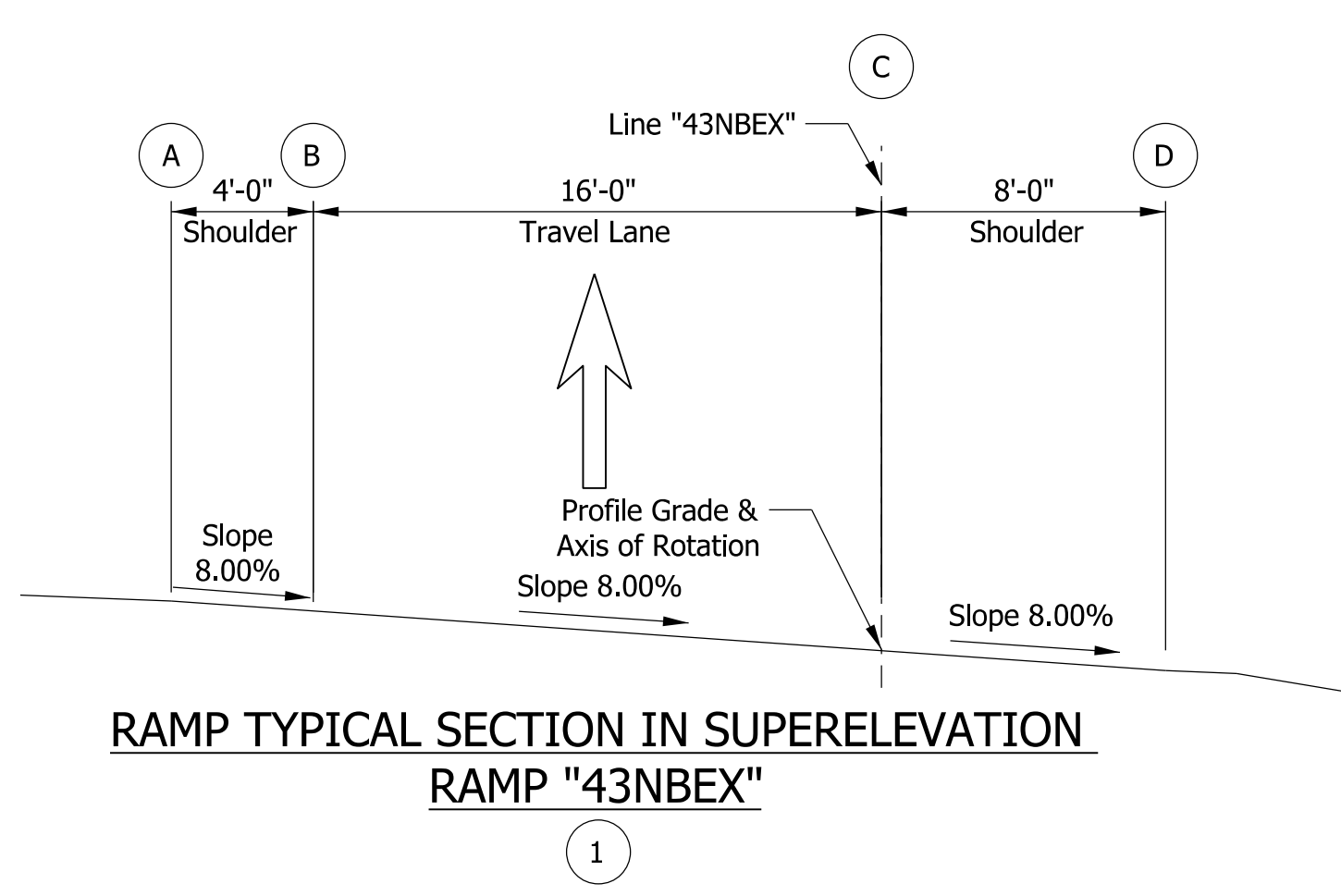
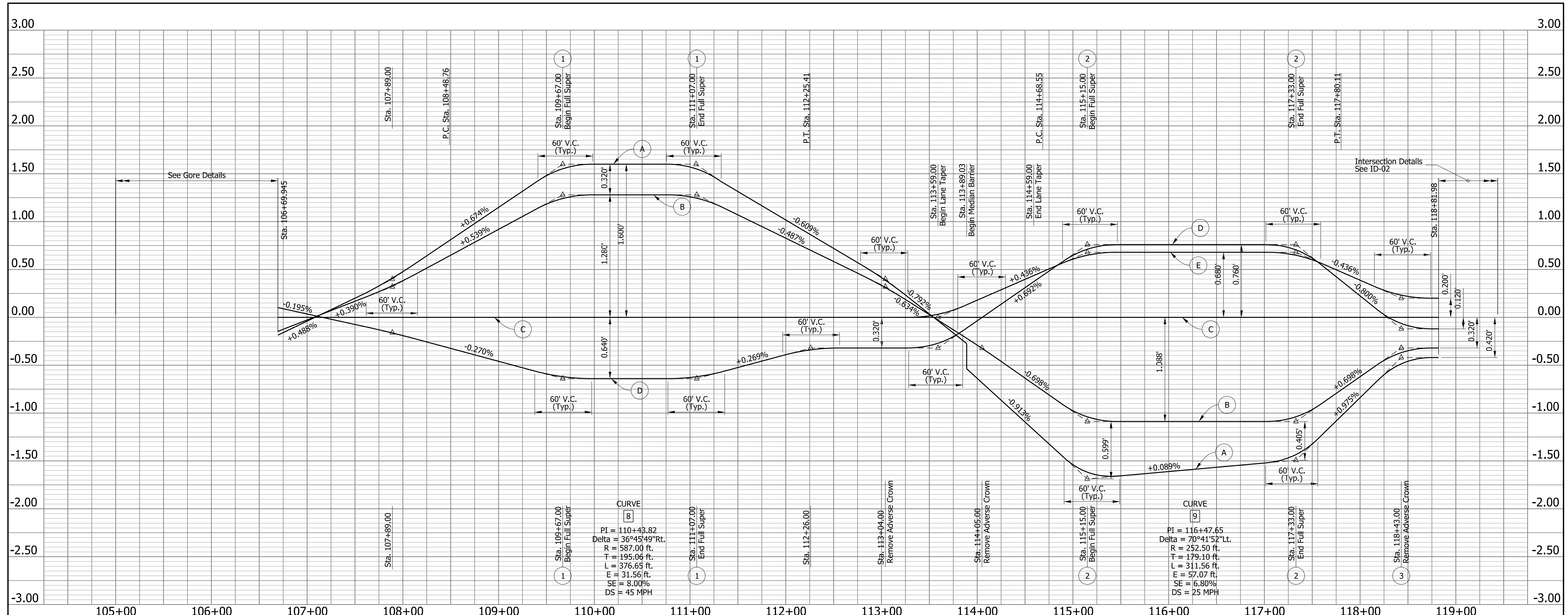
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 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ JMA _____	DRAWN: _____ JMA _____	
CHECKED: _____ MKM _____	CHECKED: _____ MKM _____	

INDIANA  
 DEPARTMENT OF TRANSPORTATION

**SUPERELEVATION DIAGRAMS  
 LINE "PR-65-SB"**

HORIZONTAL SCALE 1"=50'	BRIDGE FILE N/A
VERTICAL SCALE 1"=0.50'	DESIGNATION 2001172 & 2100049
SURVEY BOOK ELECTRONIC	SHEET 174 of 531
CONTRACT R-42909	PROJECT 2001172 & 2100049



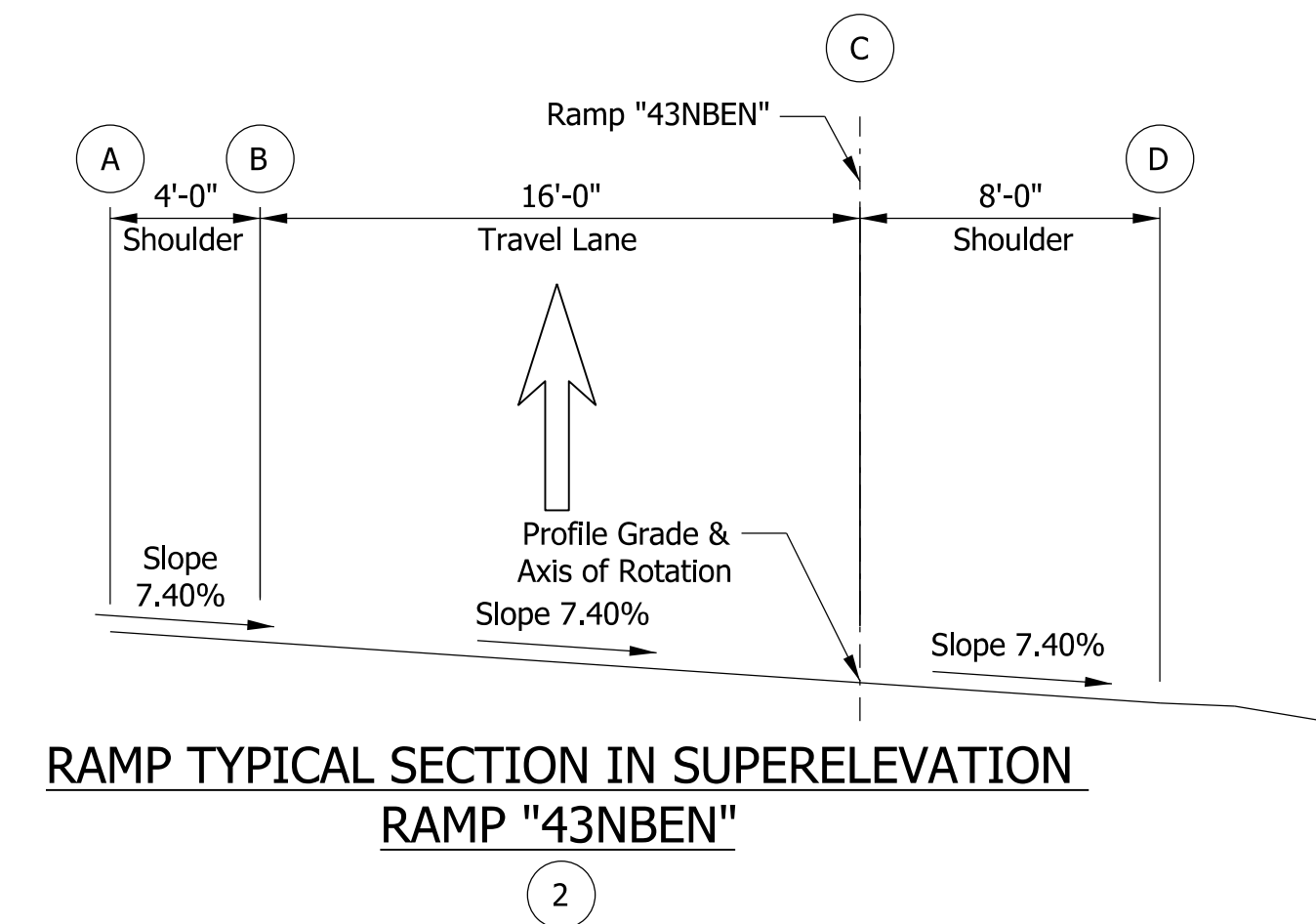
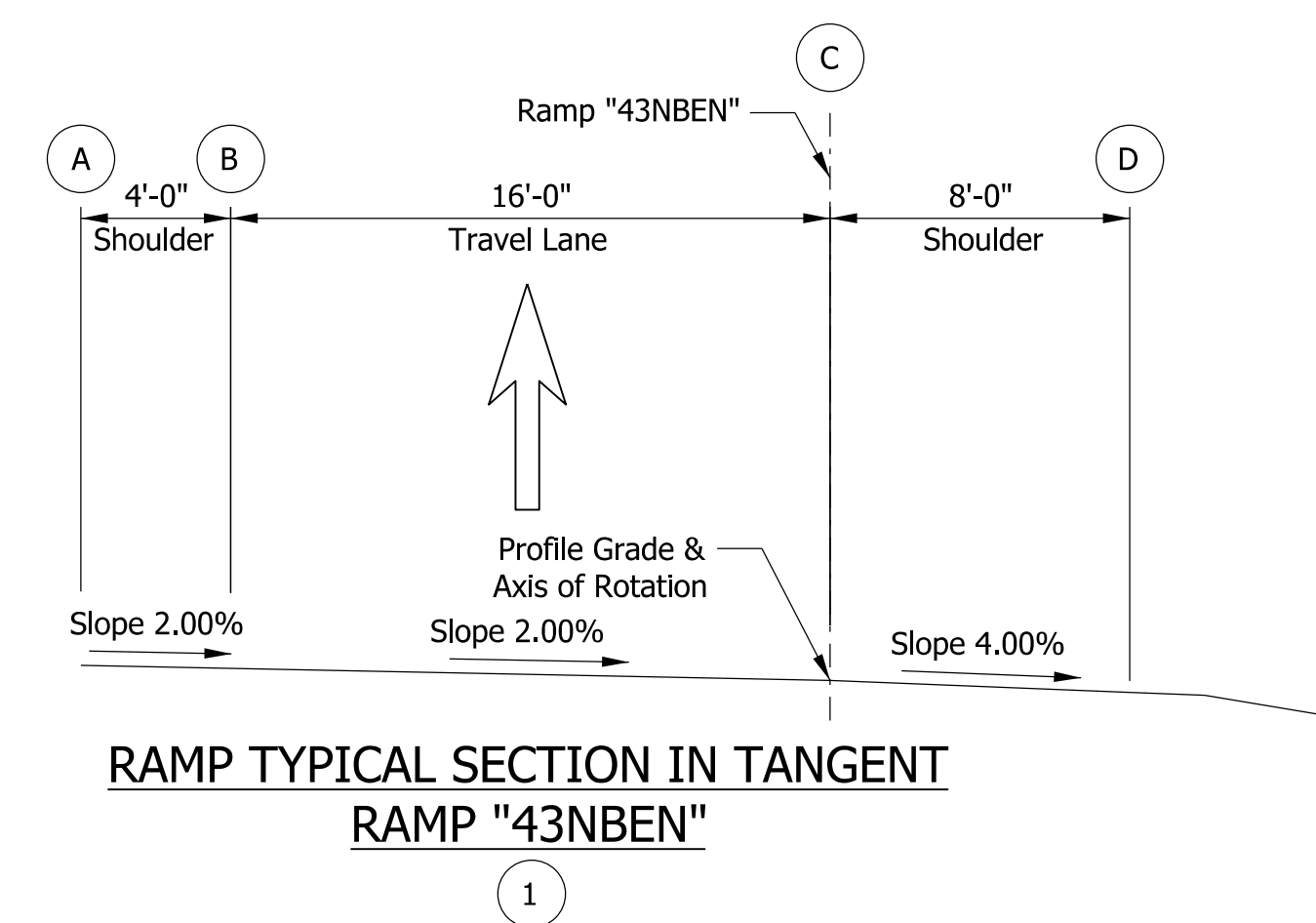
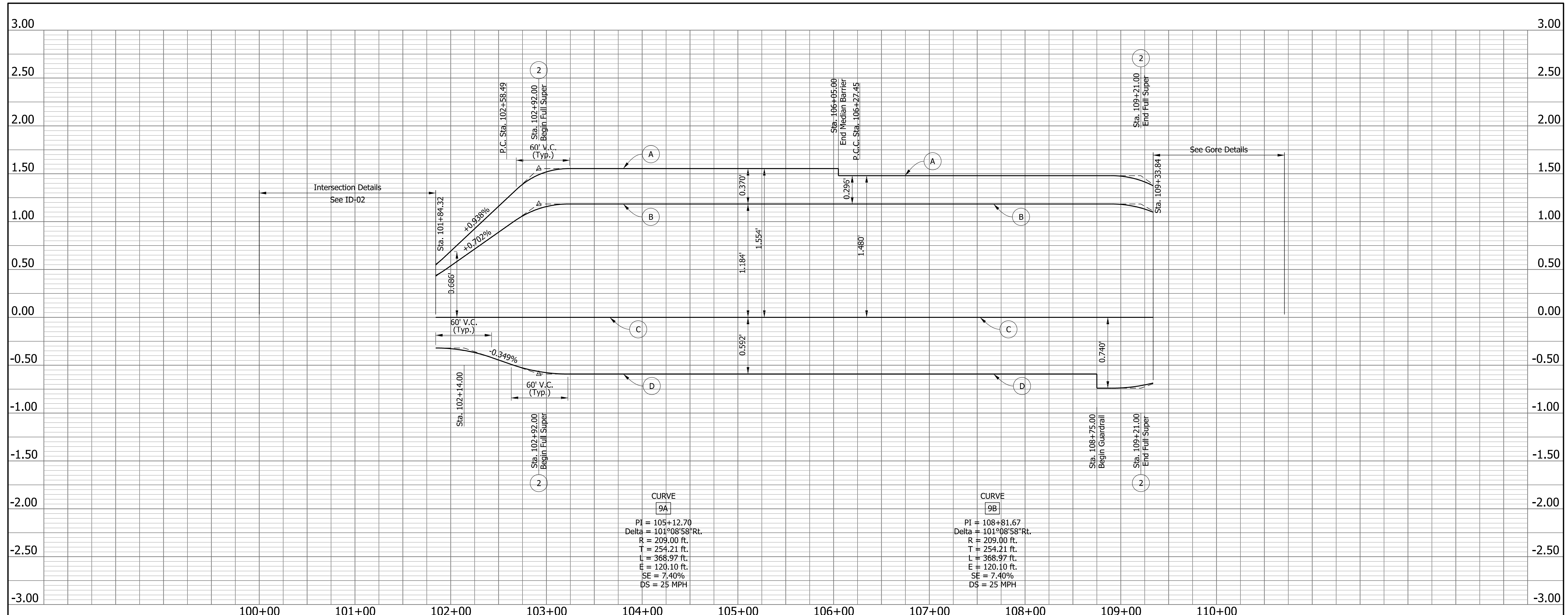
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**DRAFT**  
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JMA	
CHECKED: MKM	CHECKED: MKM	

INDIANA  
 DEPARTMENT OF TRANSPORTATION  
  
 SUPERELEVATION DIAGRAMS  
 RAMP "43NBEX"

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
1"=0.50'	2001172 & 2100049
SURVEY BOOK	SHEET SED-13
ELECTRONIC	175 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



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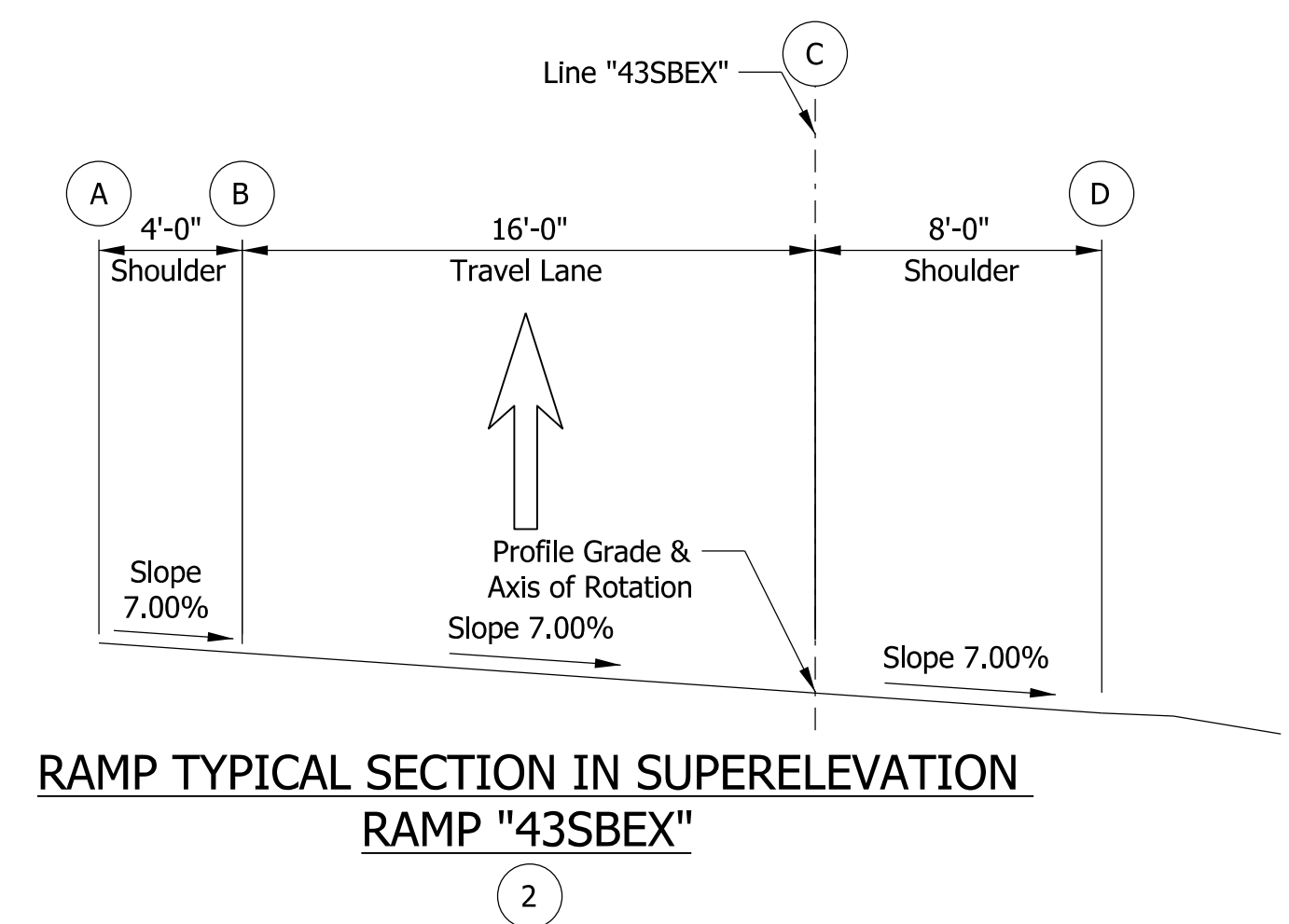
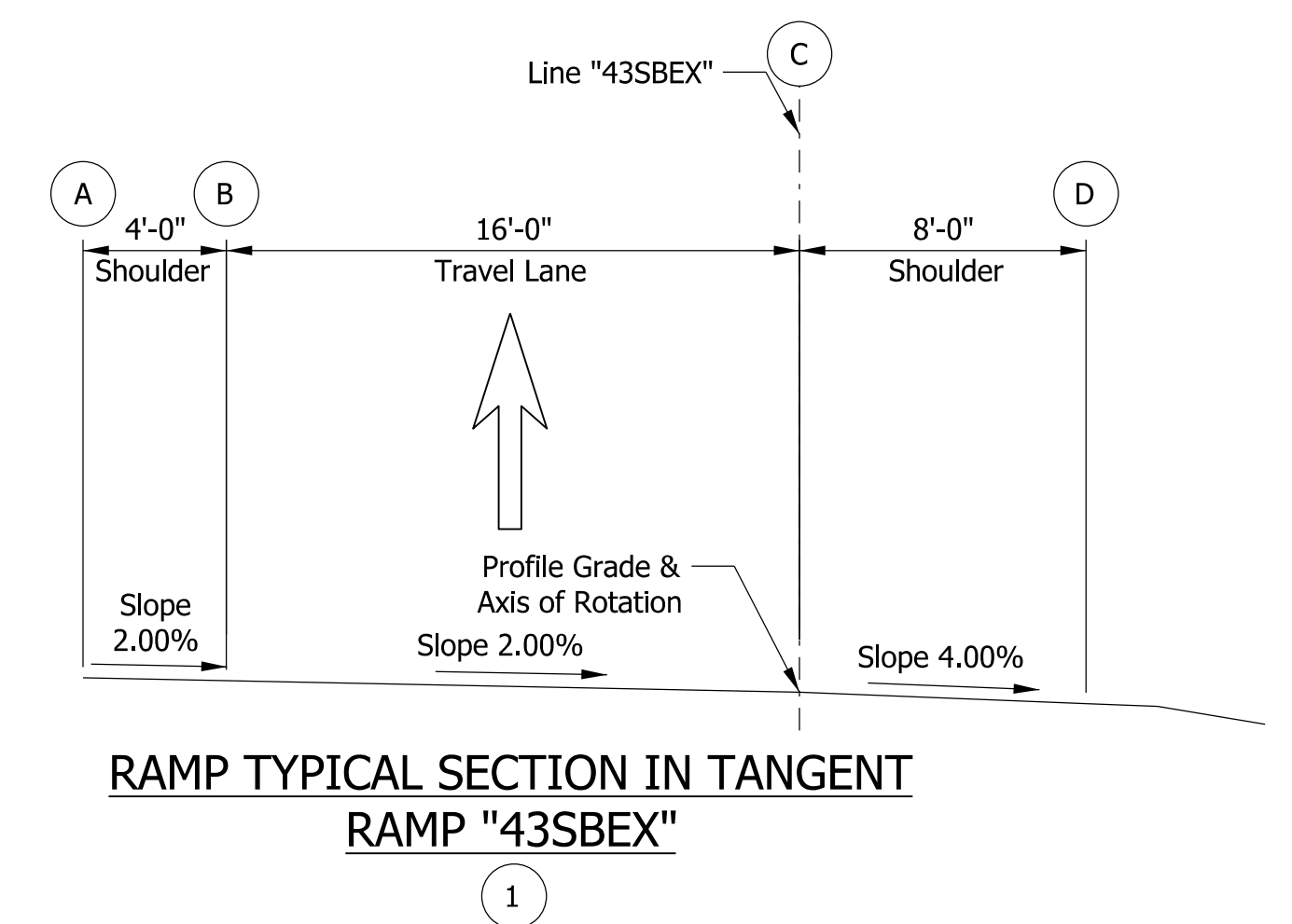
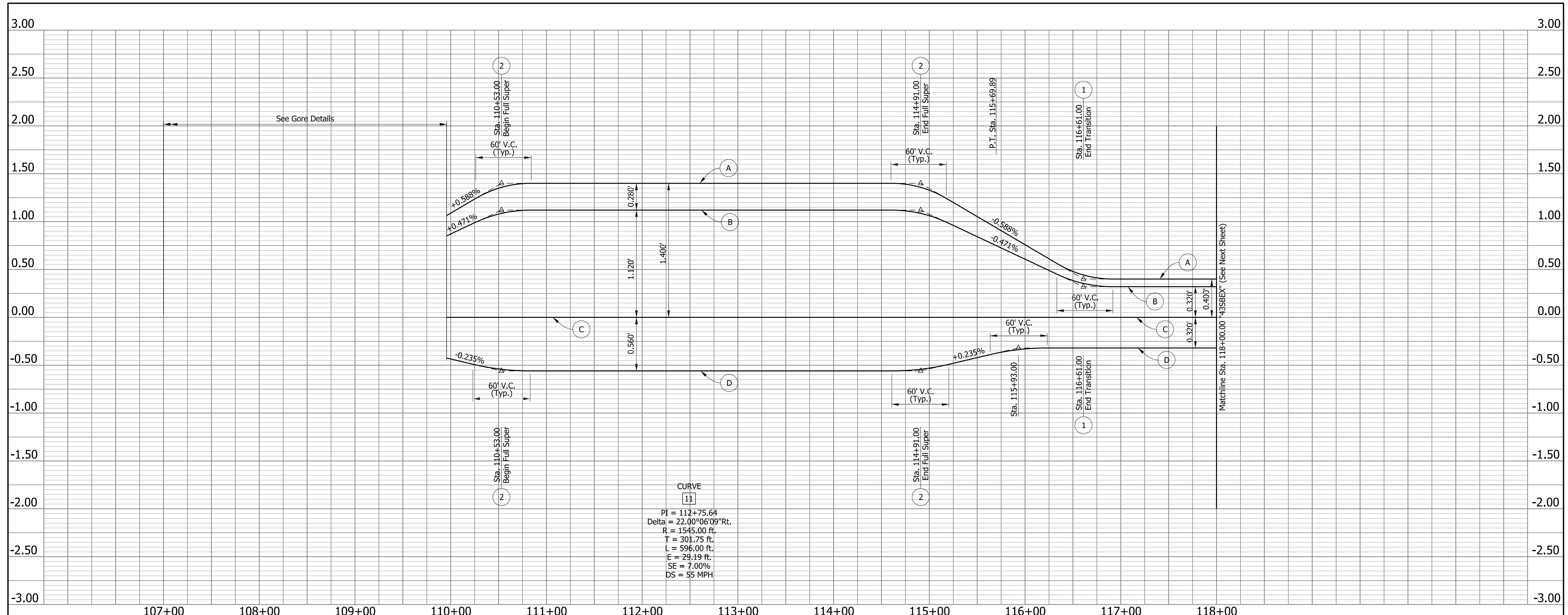
**DRAFT**  
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ JMA _____	DRAWN: _____ JMA _____	
CHECKED: _____ MKM _____	CHECKED: _____ MKM _____	

INDIANA  
DEPARTMENT OF TRANSPORTATION

**SUPERELEVATION DIAGRAMS  
RAMP "43NBEN"**

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
1"=0.50'	2001172 & 2100049
SURVEY BOOK	SHEET SED-14
ELECTRONIC	176 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



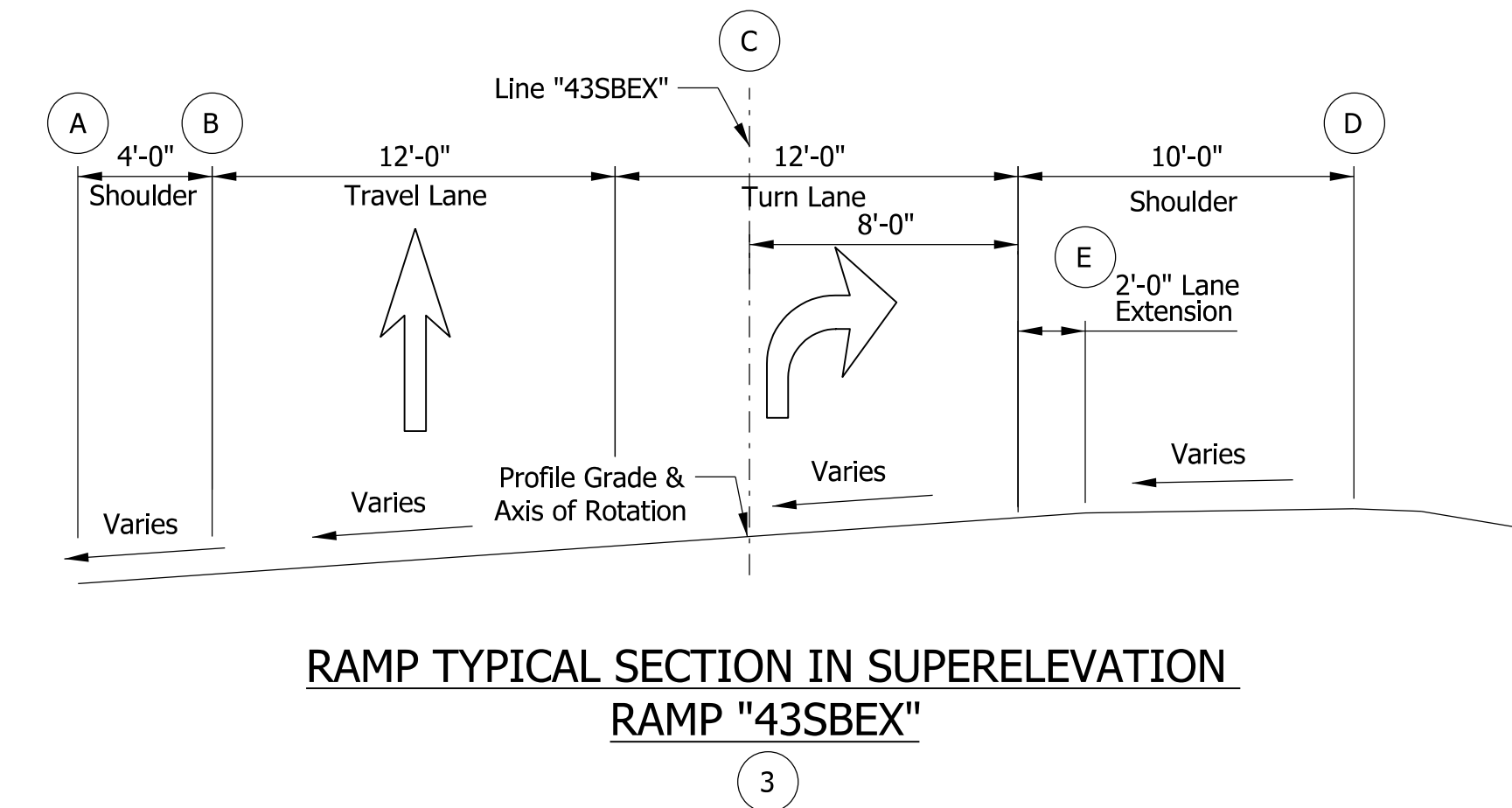
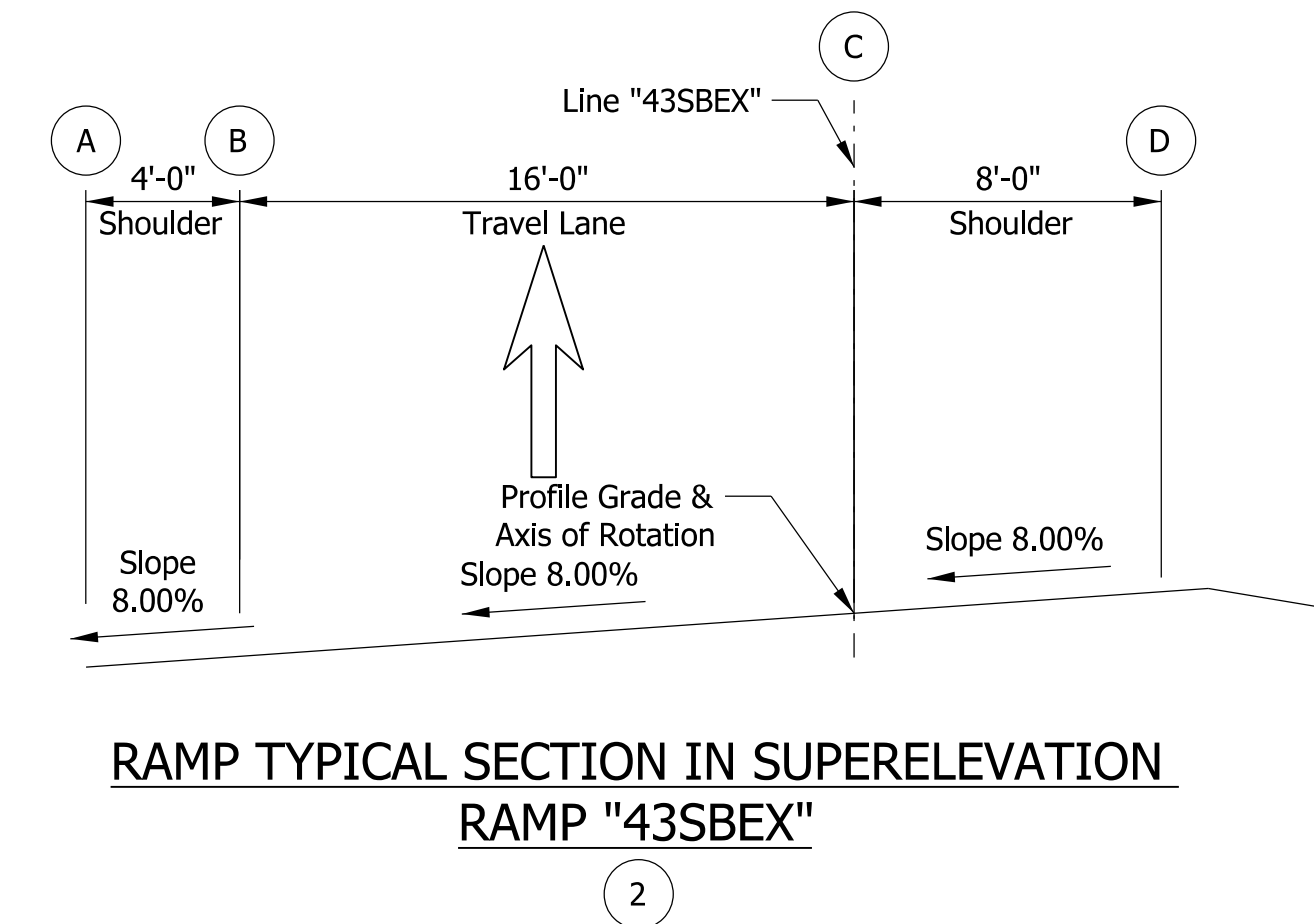
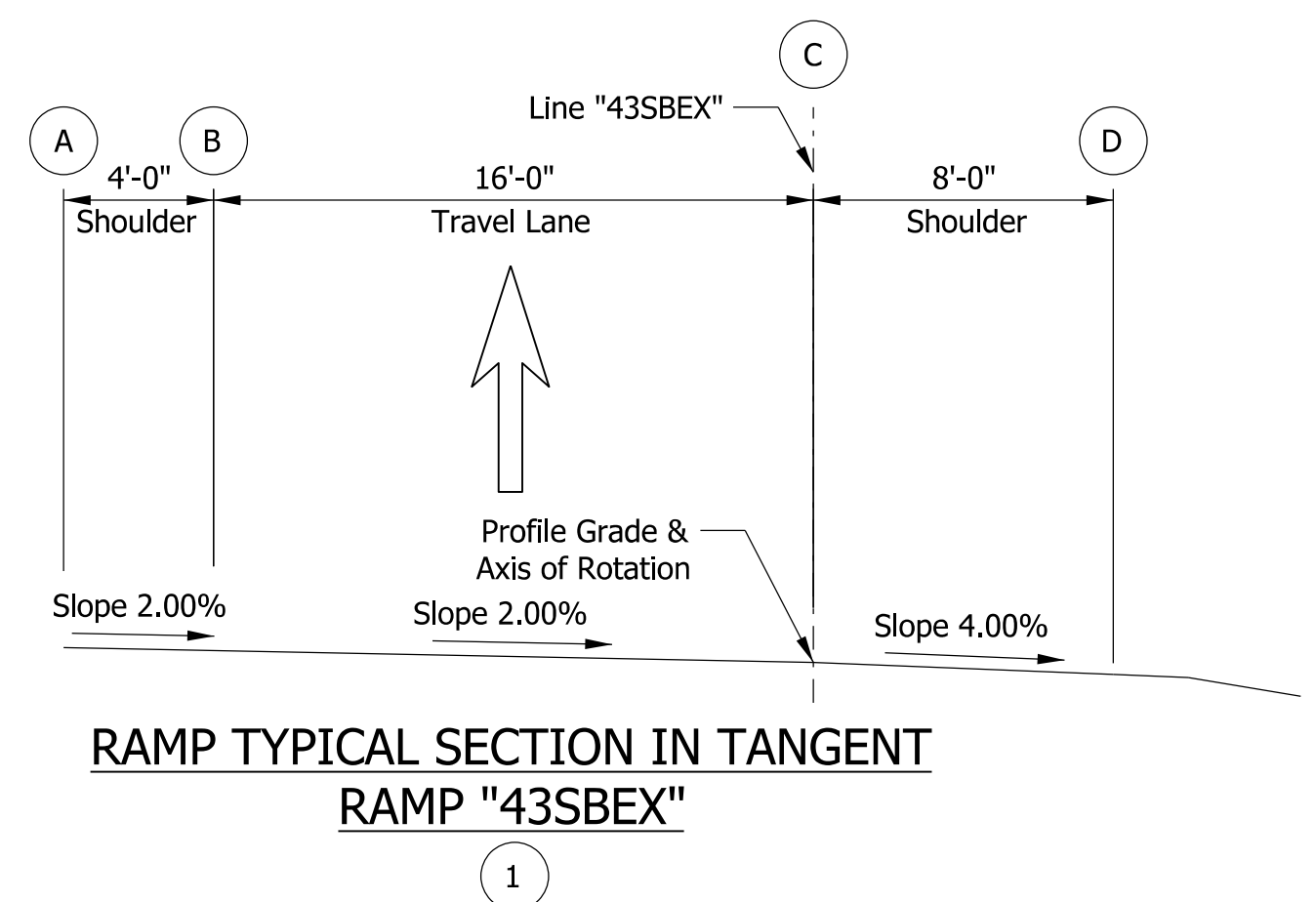
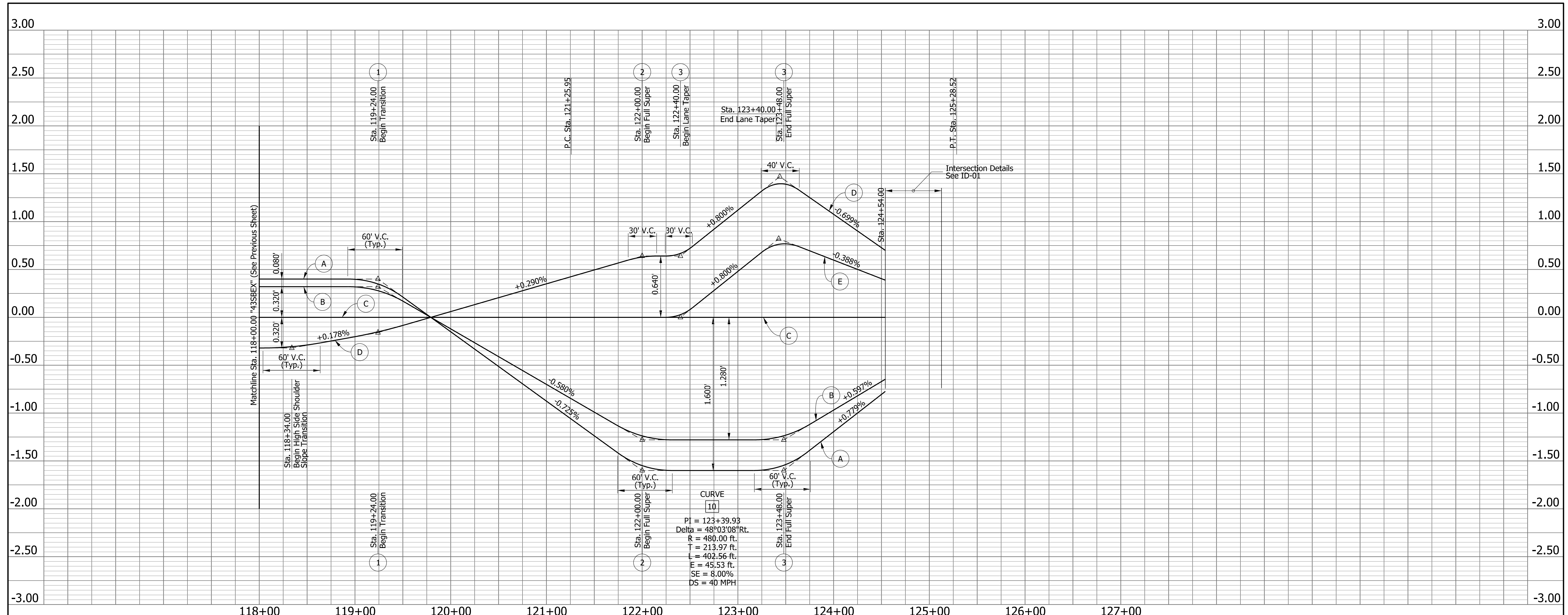
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 1/29/2021 6:13:12 pm  
 model: Sheet15  
 file: c:\candlib\pwr\rstriegel\pwr\grat\_lakes\0240385\2001172-rd-s-sect01.dgn

**DRAFT**  
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ JMA _____	DRAWN: _____ JMA _____	
CHECKED: _____ MKM _____	CHECKED: _____ MKM _____	

**INDIANA  
 DEPARTMENT OF TRANSPORTATION**  
  
**SUPERELEVATION DIAGRAMS  
 RAMP "43SBEX"**

HORIZONTAL SCALE 1"=50'	BRIDGE FILE N/A
VERTICAL SCALE 1"=0.50'	DESIGNATION 2001172 & 2100049
SURVEY BOOK ELECTRONIC	SHEET 177 of 531
CONTRACT R-42909	PROJECT 2001172 & 2100049



rstrnegel  
 1/29/2021 6:13:13 pm  
 model-sheet16  
 file: c:\cadd\ib\pwr\strnegel\pwr\grat\_lakes\02-40385\2001172-rd-s-sect01.dgn

**DRAFT**  
NOT FOR CONSTRUCTION

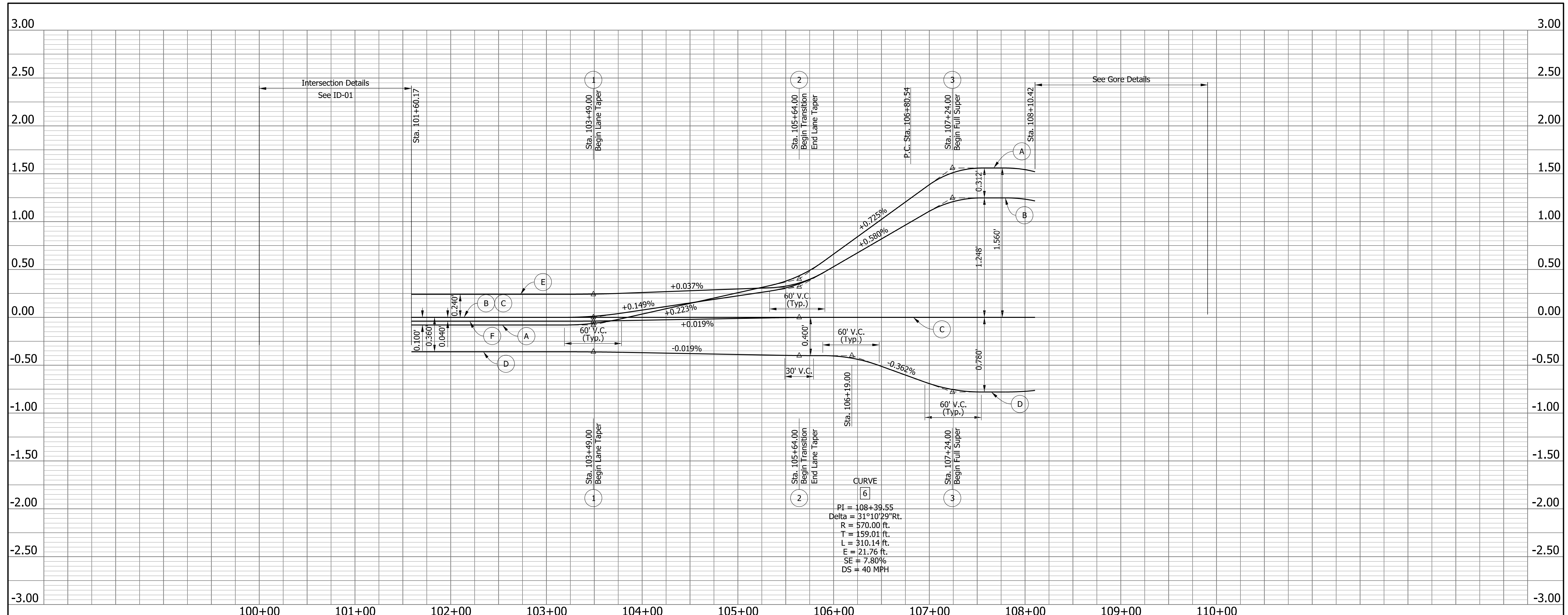
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JMA	
CHECKED: MKM	CHECKED: MKM	

INDIANA DEPARTMENT OF TRANSPORTATION

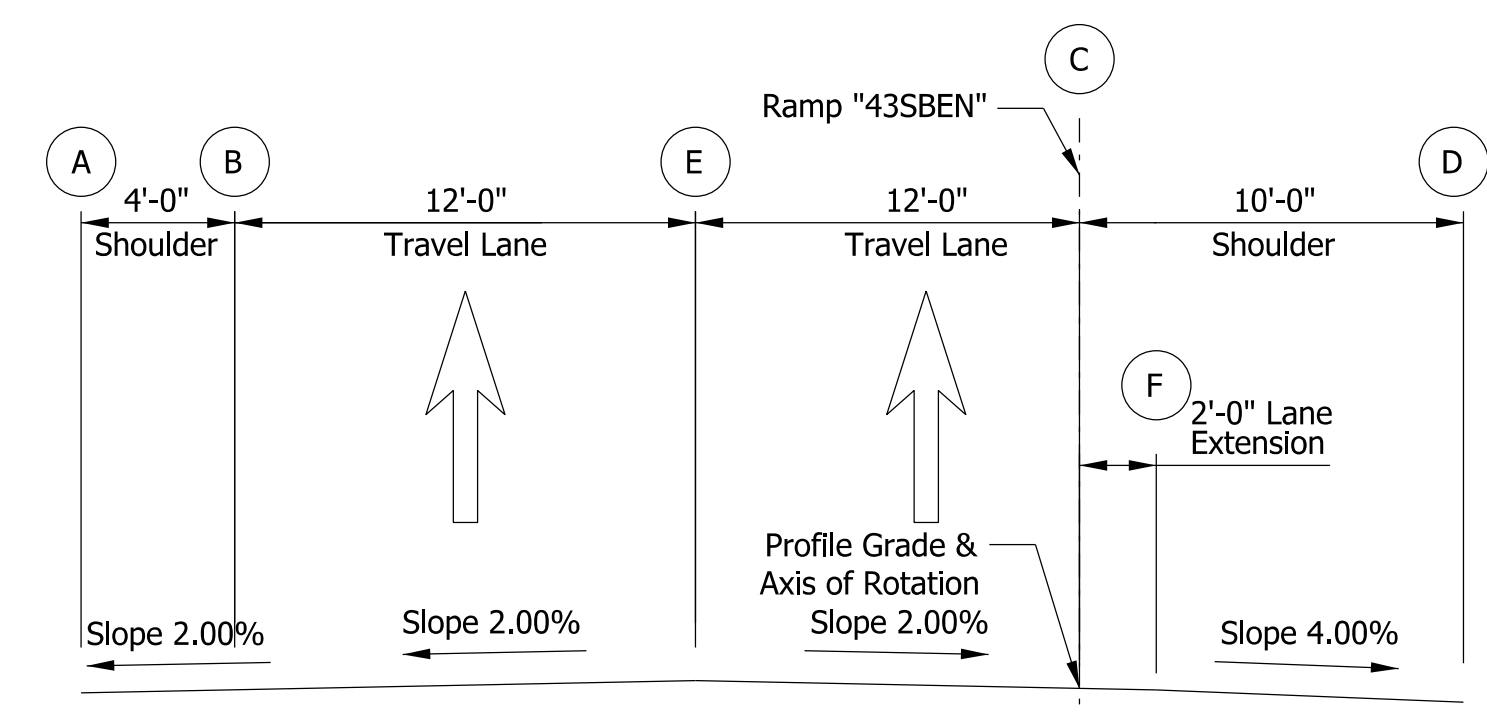
SUPERELEVATION DIAGRAMS RAMP "43SBEX"

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
1"=0.50'	2001172 & 2100049
SURVEY BOOK	SHEET SED-16
ELECTRONIC	178 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



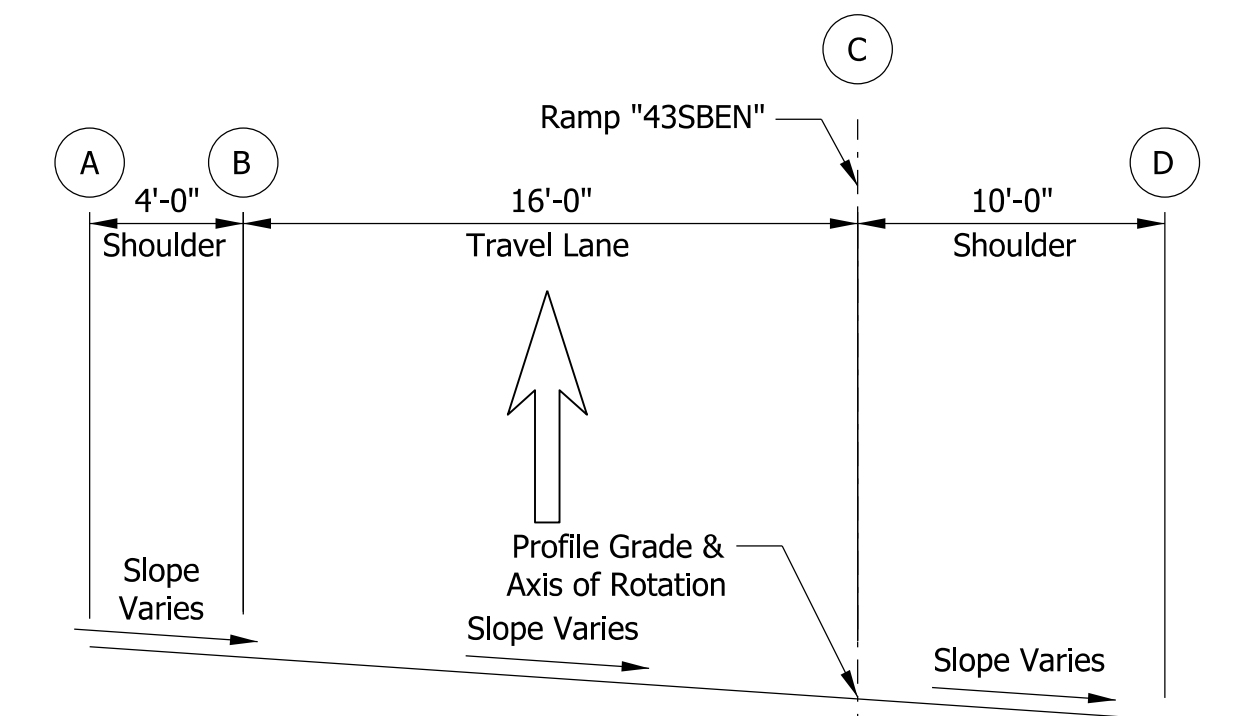


**CURVE**  
 6  
 PI = 108+39.55  
 Delta = 31°10'29" Rt.  
 R = 570.00 ft.  
 T = 159.01 ft.  
 L = 310.14 ft.  
 E = 21.76 ft.  
 SE = 7.80%  
 DS = 40 MPH



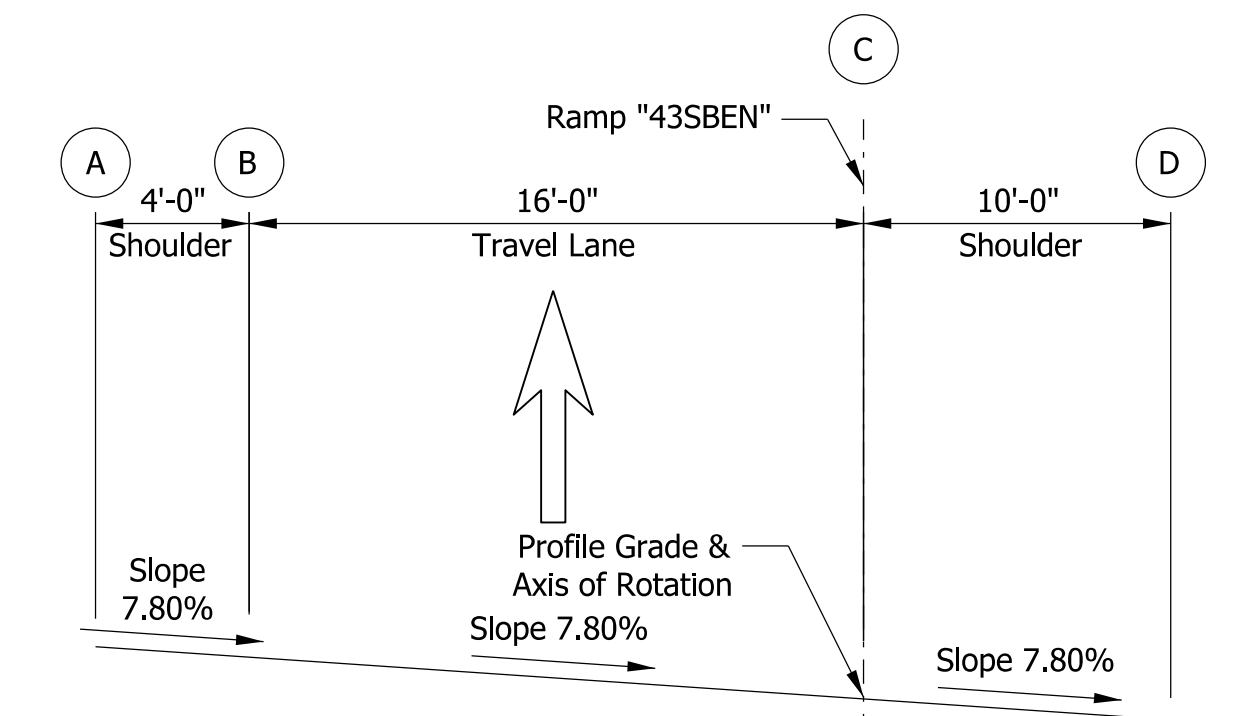
**RAMP TYPICAL SECTION IN NORMAL CROWN  
 RAMP "43SBEN"**

1



**RAMP TYPICAL SECTION IN SUPERELEVATION  
 RAMP "43SBEN"**

2



**RAMP TYPICAL SECTION IN SUPERELEVATION  
 RAMP "43SBEN"**

3

rstriegel  
 1/29/2021 6:13:14 pm  
 model: Sheet17  
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**DRAFT**  
 NOT FOR CONSTRUCTION

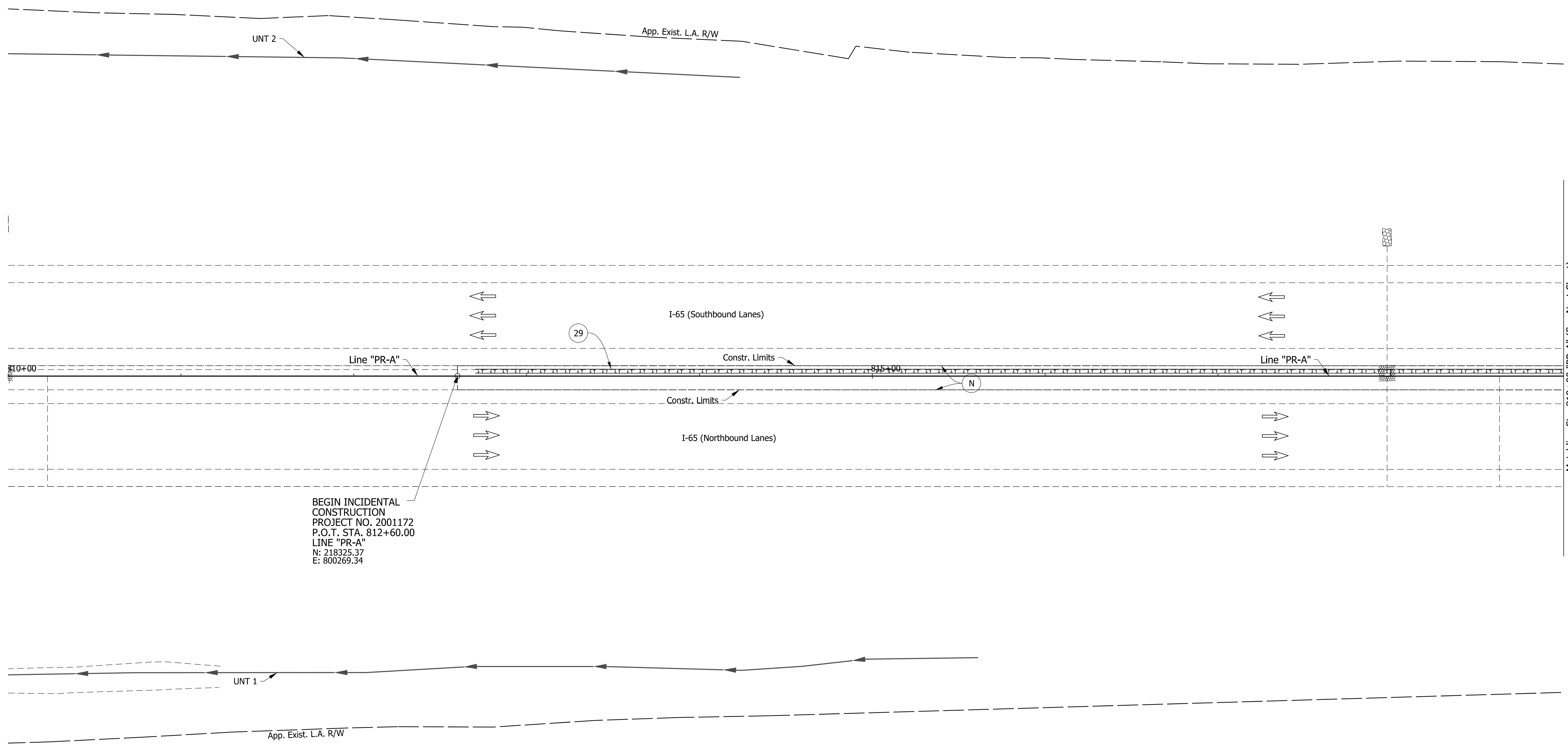
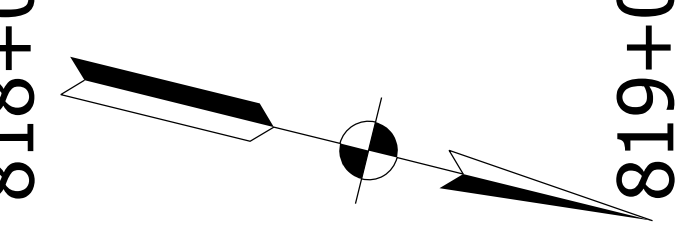
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JMA	
CHECKED: MKM	CHECKED: MKM	

INDIANA  
 DEPARTMENT OF TRANSPORTATION

**SUPERELEVATION DIAGRAMS  
 RAMP "43SBEN"**

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
1"=0.50'	2001172 & 2100049
SURVEY BOOK	SHEET
ELECTRONIC	179 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

810+00      811+00      812+00      813+00      814+00      815+00      816+00      817+00      818+00      819+00



BEGIN INCIDENTAL  
CONSTRUCTION  
PROJECT NO. 2001172  
P.O.T. STA. 812+60.00  
LINE "PR-A"  
N: 218325.37  
E: 800269.34

Notes:  
For Construction Details Legend see Sheet DET-01.  
All station / offset information on this sheet described from Line "PR-A" except as shown.  
For geometric information see Geometric Layout Sheets.

**DRAFT**  
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

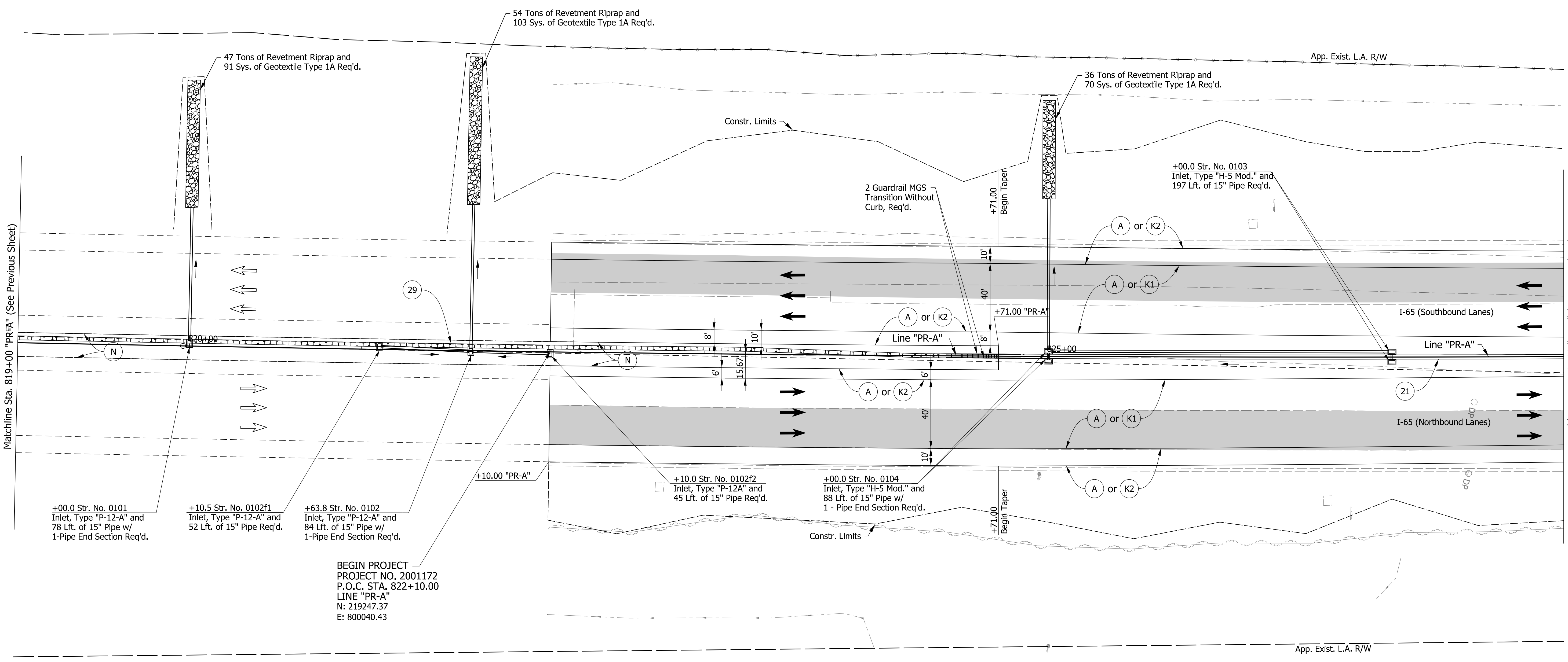
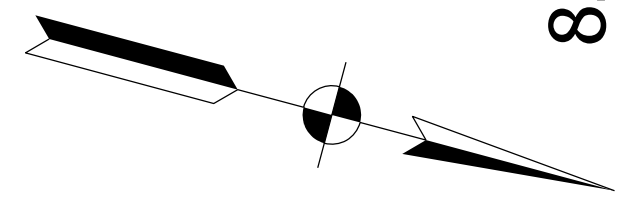
INDIANA  
DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION DETAILS  
LINE "PR-A"**

HORIZONTAL SCALE 1"=30'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 2001172 & 2100049
SURVEY BOOK ELECTRONIC	SHEETS 180 of 531
CONTRACT R-42909	PROJECT 2001172 & 2100049

jealexander  
2/1/2021 5:23:49 pm  
model:Sheet0  
file:c:\cadd\ib\pvt\strigge\pvt\great\_lakes\0240385\2001172-rd-s-cd01.dgn

819+00 820+00 821+00 822+00 823+00 824+00 825+00 826+00 827+00 828+00



BEGIN PROJECT  
 PROJECT NO. 2001172  
 P.O.C. STA. 822+10.00  
 LINE "PR-A"  
 N: 219247.37  
 E: 800040.43

Notes:  
 For Construction Details Legend see Sheet DET-01.  
 All station / offset information on this sheet described from Line "PR-A" except as shown.  
 For geometric information see Geometric Layout Sheets.

**DRAFT**  
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

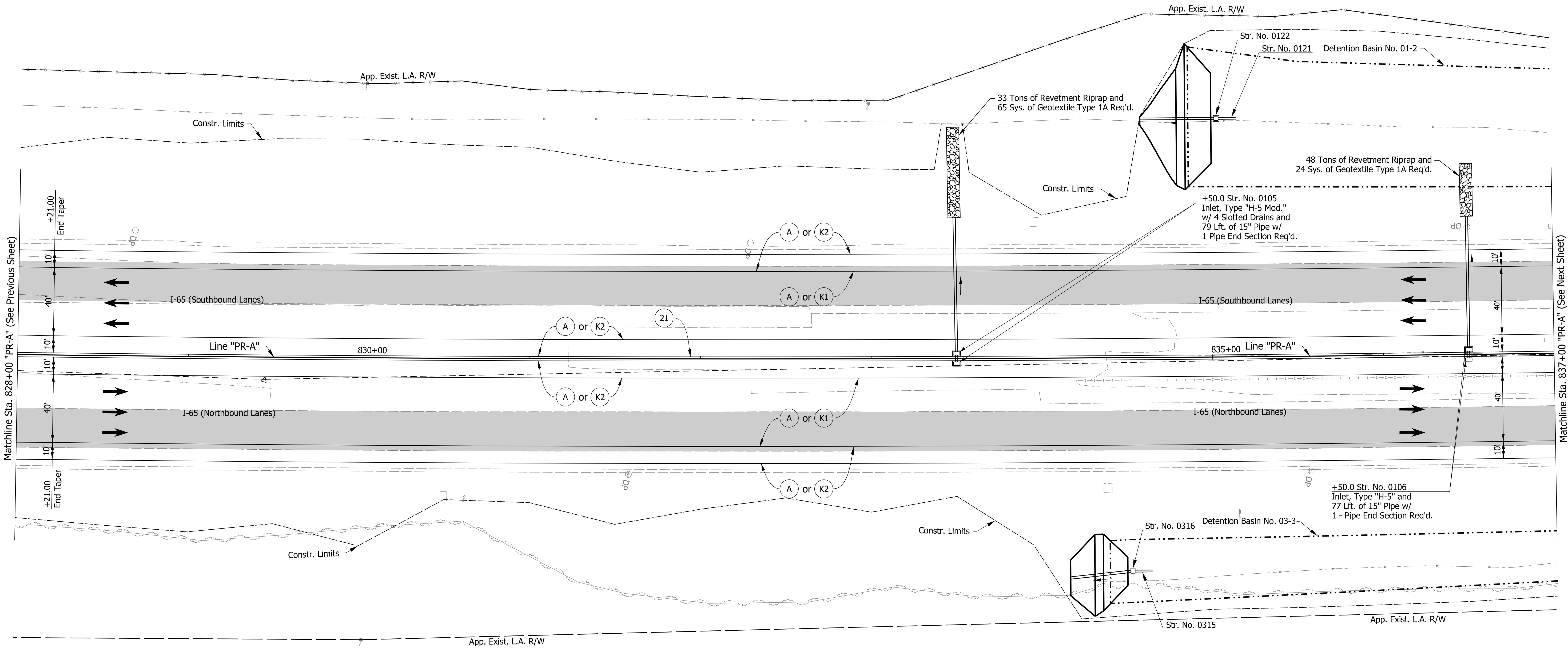
INDIANA  
 DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS  
 LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	181 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

jealovander  
 2/1/2021 5:23:50 pm  
 model:Sheet1  
 file:c:\cadd\ib\p\instr\reg\p\p\grat\_lakes\02\40385\2001.172-rd-s-cd01.dgn

828+00      829+00      830+00      831+00      832+00      833+00      834+00      835+00      836+00      837+00



Matchline Sta. 828+00 "PR-A" (See Previous Sheet)

Matchline Sta. 837+00 "PR-A" (See Next Sheet)

Notes:  
 For Construction Details Legend see Sheet DET-01.  
 All station / offset information on this sheet described from Line "PR-A" except as shown.  
 For geometric information see Geometric Layout Sheets.

**DRAFT**  
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

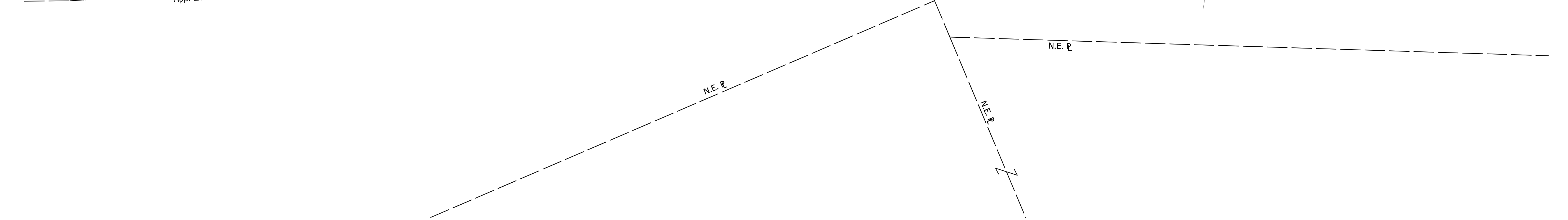
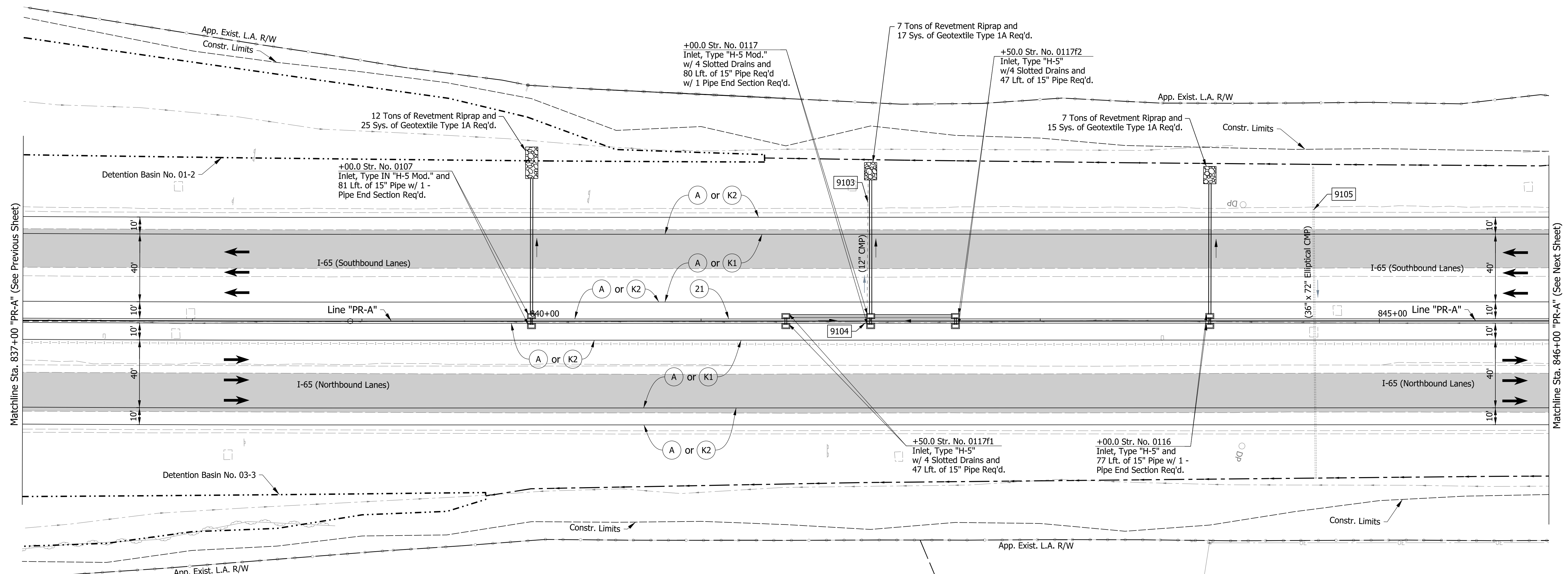
INDIANA  
 DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS  
 LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	182 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

jealovander  
 2/1/2021 5:23:51 pm  
 model:Sheet4  
 file:c:\cadd\ib\p\1\strigge\l\p\grat\_lakes\02\403851\2001172-rf-s-cd01.dgn

837+00      838+00      839+00      840+00      841+00      842+00      843+00      844+00      845+00      846+00



**Notes:**  
 For Construction Details Legend see Sheet DET-01.  
 All station / offset information on this sheet described from Line "PR-A" except as shown.  
 For geometric information see Geometric Layout Sheets.

**DRAFT**  
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

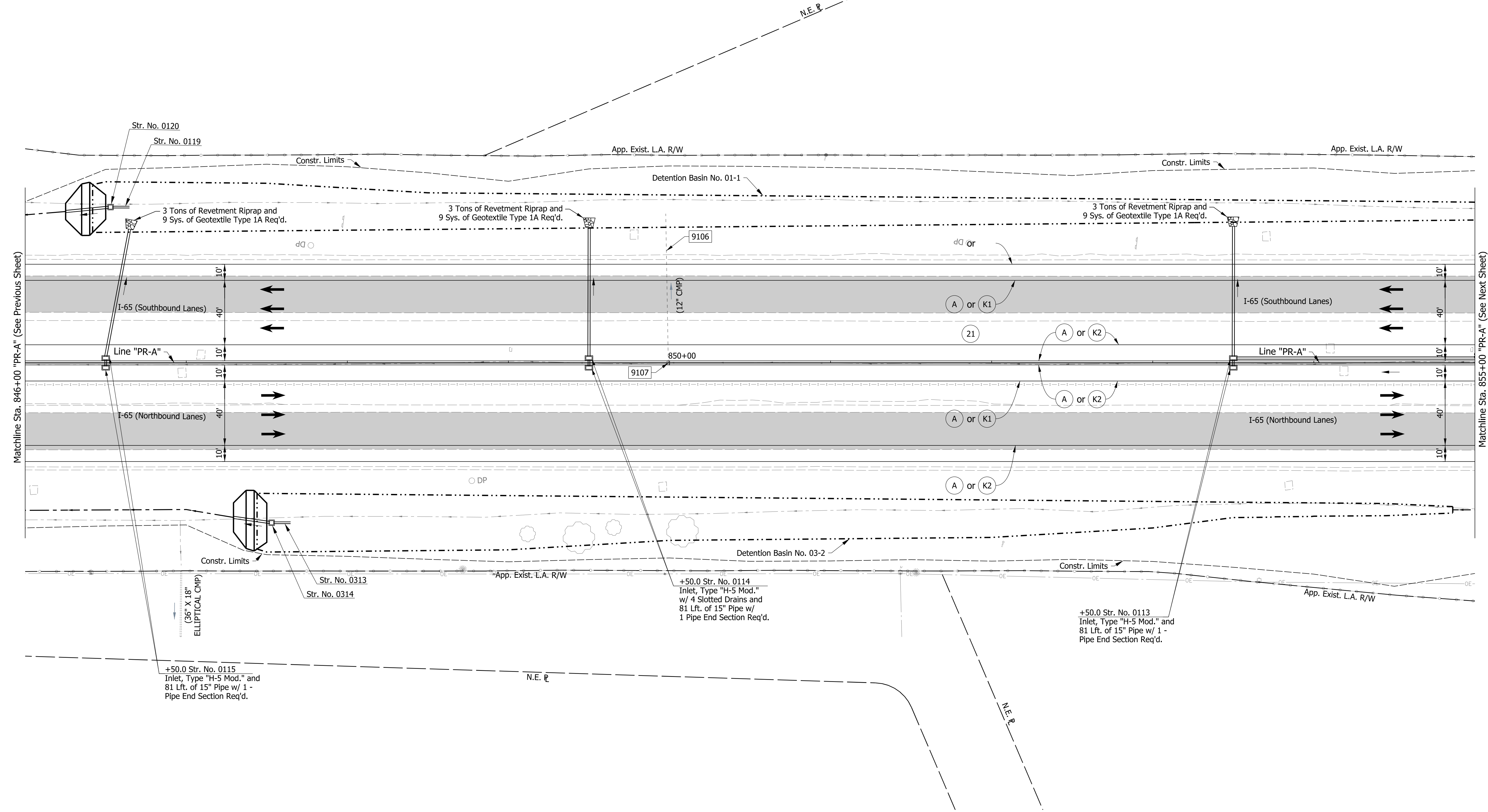
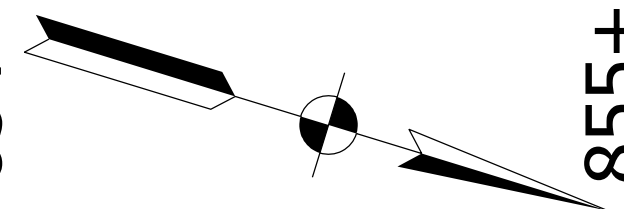
**INDIANA DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION DETAILS LINE "PR-A"**

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	183 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

jealovander  
 2/1/2021 5:23:52 pm  
 model: Sheet3  
 file: c:\cadd\ib\p\tr\regel\p\p\great\_lakes\02\403851\2001172-rd-s-cd01.dgn

846+00      847+00      848+00      849+00      850+00      851+00      852+00      853+00      854+00      855+00



Matchline Sta. 846+00 "PR-A" (See Previous Sheet)

Matchline Sta. 855+00 "PR-A" (See Next Sheet)

jealoxander  
 2/1/2021 5:23:53 pm  
 model:Sheet4  
 file:c:\cadd\ib\p\instr\regel\p\grat\_lakes\02-40385\2001.172-rf-s-cdd1.dgn

Notes:  
 For Construction Details Legend see Sheet DET-01.  
 All station / offset information on this sheet described from Line "PR-A" except as shown.  
 For geometric information see Geometric Layout Sheets.

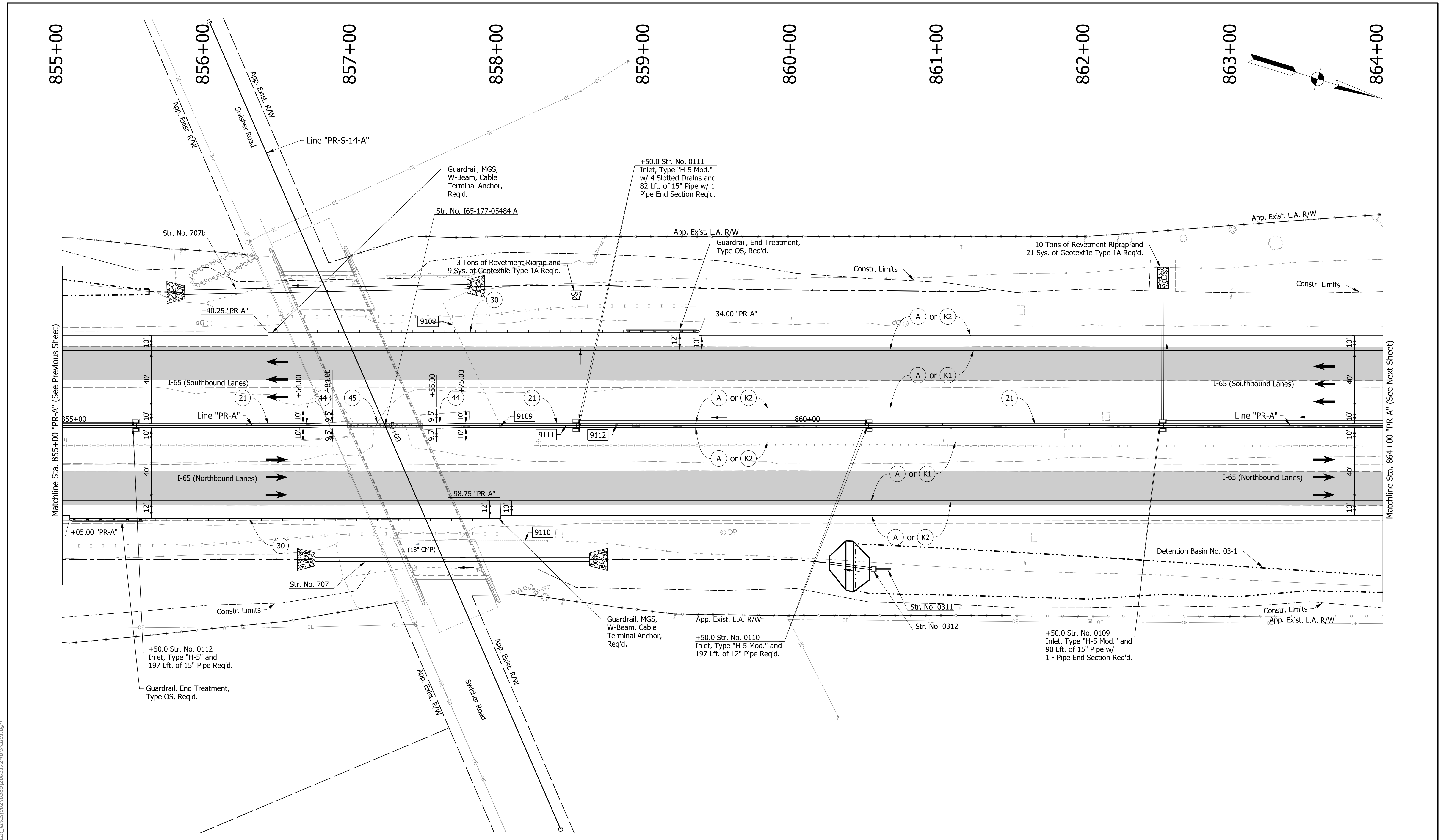
**DRAFT**  
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

INDIANA  
 DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION DETAILS  
 LINE "PR-A"**

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	184 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



Notes:  
 For Construction Details Legend see Sheet DET-01.  
 All station / offset information on this sheet described from Line "PR-A" except as shown.  
 For geometric information see Geometric Layout Sheets.

**DRAFT**  
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

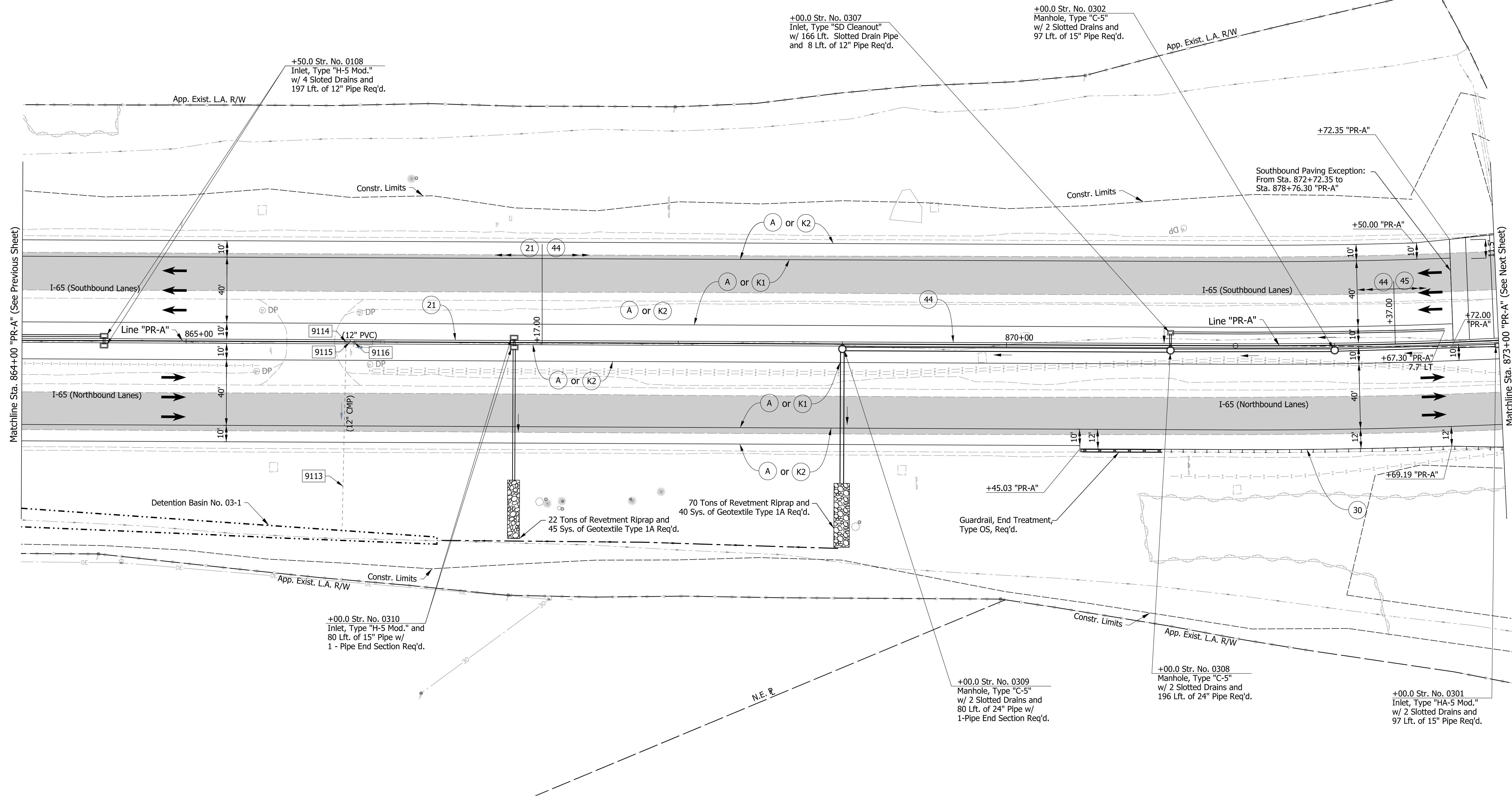
INDIANA  
 DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS  
 LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	185 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

jealovander  
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 model: Sheets5  
 file: c:\cadd\lib\pvt\strngel\pvt\great\_lakes\02\40385\2001172-rd-s-cd01.dgn

864+00 865+00 866+00 867+00 868+00 869+00 870+00 871+00 872+00 873+00



**Notes:**  
 For Construction Details Legend see Sheet DET-01.  
 All station / offset information on this sheet described from Line "PR-A" except as shown.  
 For geometric information see Geometric Layout Sheets.

**DRAFT**  
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

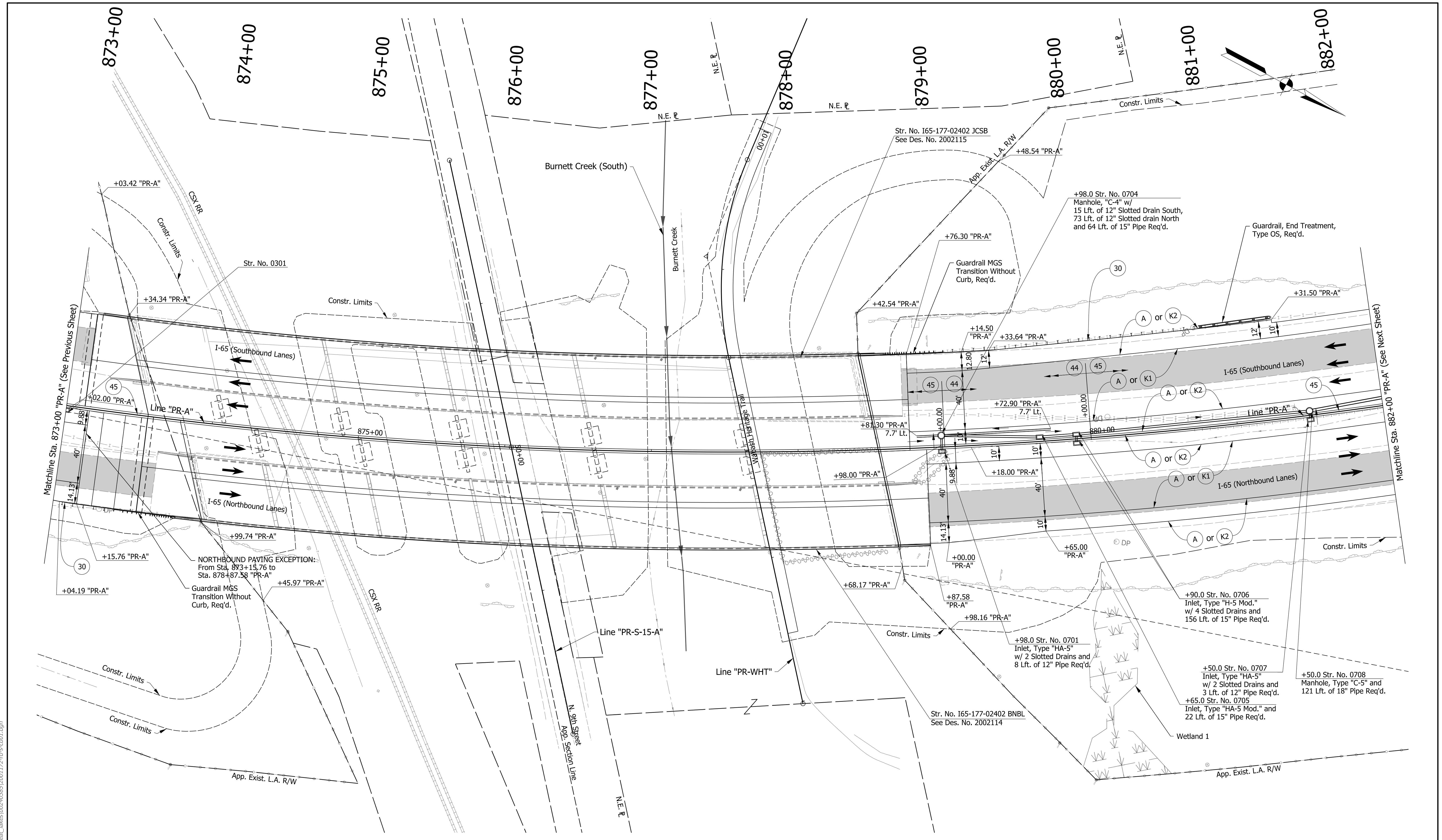
INDIANA  
 DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS  
 LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	186 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

jealovander  
 2/1/2021 5:23:55 pm  
 model: Sheet6  
 file: c:\cadd\ib\p\1\str\regel\p\p\great\_lakes\02403851\2001172-rd-s-cd01.dgn





Notes:  
For Construction Details Legend see Sheet DET-01.

All station / offset information on this sheet described from Line "PR-A" except as shown.  
For geometric information see Geometric Layout Sheets.

**NOTE TO REVIEWER:**

Construction limits within right-of-way, fence to be replaced along embankment.

**DRAFT**  
NOT FOR CONSTRUCTION

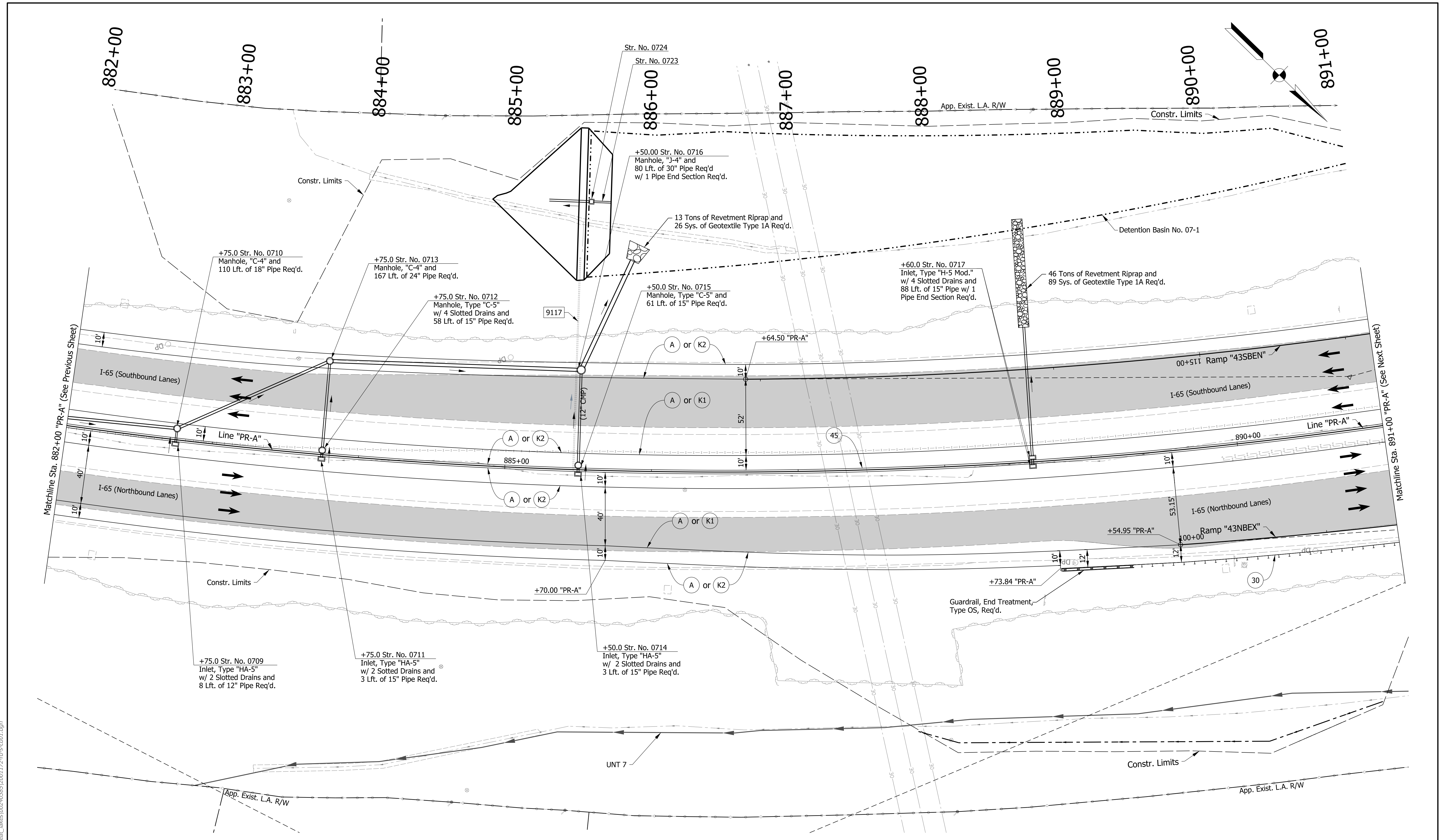
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

INDIANA  
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS  
LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE	
1"=30'	N/A	
VERTICAL SCALE	DESIGNATION	
N/A	2001172 & 2100049	
SURVEY BOOK	SHEETS	CD-08
ELECTRONIC	187	of 531
CONTRACT	PROJECT	
R-42909	2001172 & 2100049	

jealovander  
 2/1/2021 5:23:56 pm  
 model: Sheet7  
 file: c:\cadd\ib\pwr\strngel\pwr\great\_lakes\0240385\2001172-rd-s-cd01.dgn



Notes:  
 For Construction Details Legend see Sheet DET-01.  
 All station / offset information on this sheet described from Line "PR-A" except as shown.  
 For geometric information see Geometric Layout Sheets.

**DRAFT**  
 NOT FOR CONSTRUCTION

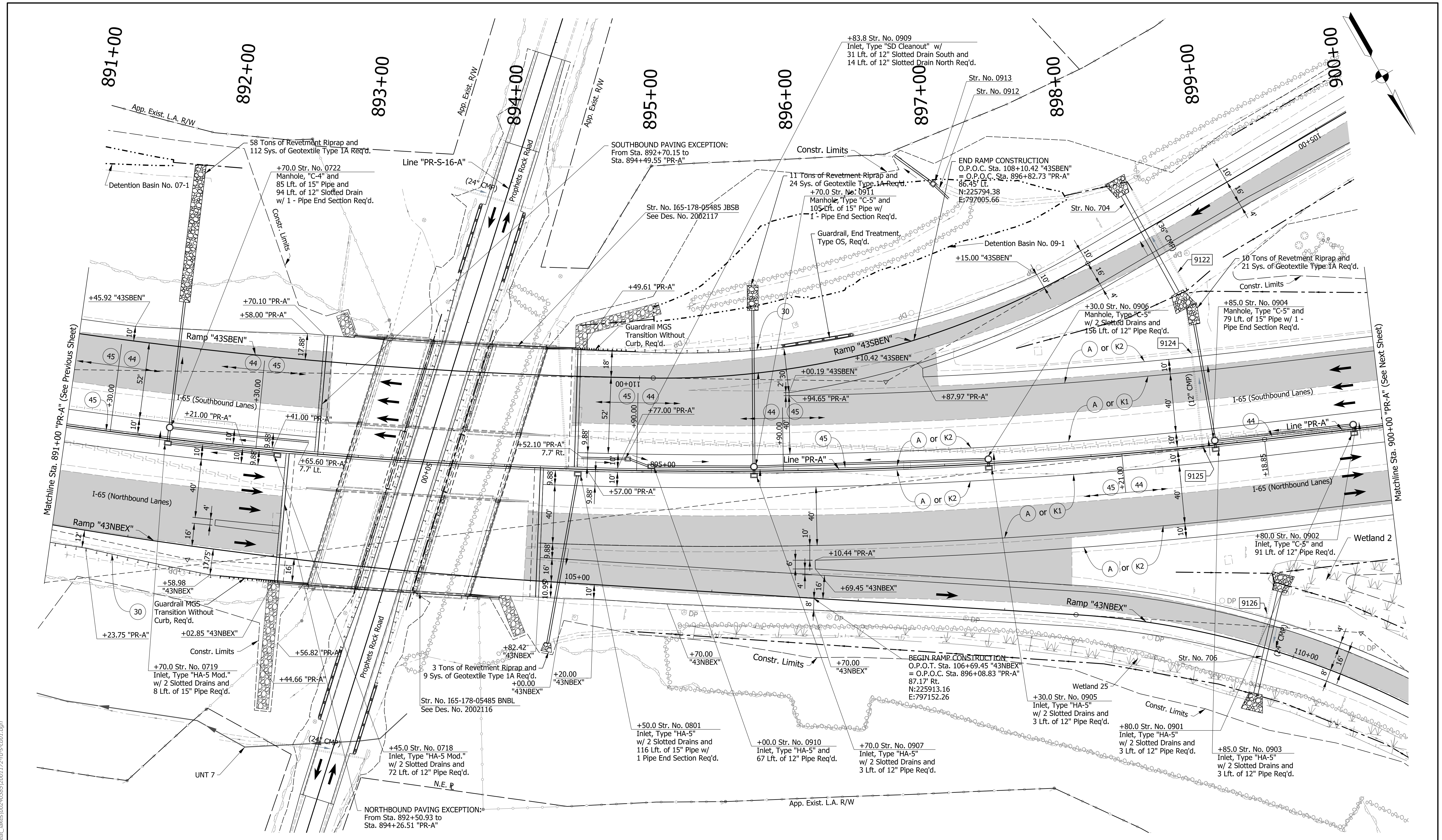
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

INDIANA  
 DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS  
 LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	188 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

jealovander  
 2/1/2021 5:23:57 pm  
 model: Sheet8  
 file: c:\cadd\ib\pvt\str\regel\pvt\great\_lakes\02\40385\2001172-rf-s-cd01.dgn



Notes:  
For Construction Details Legend see Sheet DET-01.

All station / offset information on this sheet described from Line "PR-A" except as shown.  
For geometric information see Geometric Layout Sheets.

**NOTE TO REVIEWER:**  
Construction limits within right-of-way, fence to be replaced along embankment.

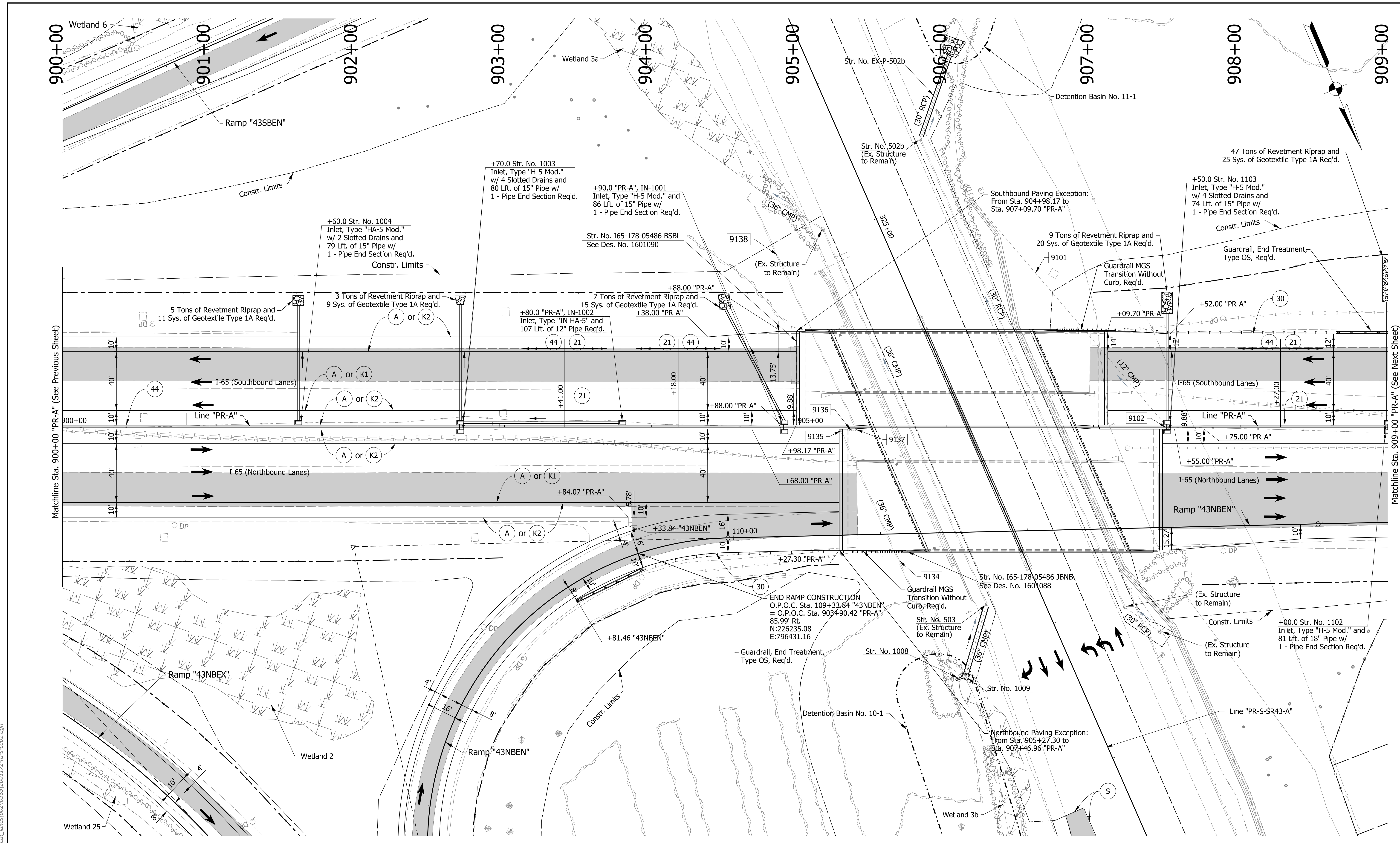
**DRAFT**  
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

INDIANA  
DEPARTMENT OF TRANSPORTATION  
  
CONSTRUCTION DETAILS  
LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE	
1"=30'	N/A	
VERTICAL SCALE	DESIGNATION	
N/A	2001172 & 2100049	
SURVEY BOOK	SHEETS	CD-10
ELECTRONIC	189	of 531
CONTRACT	PROJECT	
R-42909	2001172 & 2100049	

jealovander  
 2/1/2021 5:23:58 pm  
 model: Sheet9  
 file: c:\candib\p\w\str\regal\p\w\great\_lakes\02-403851\2001172-rd-s-cd01.dgn



Notes:  
For Construction Details Legend see Sheet DET-01.

All station / offset information on this sheet described from Line "PR-A" except as shown.  
For geometric information see Geometric Layout Sheets.

**DRAFT**  
NOT FOR CONSTRUCTION

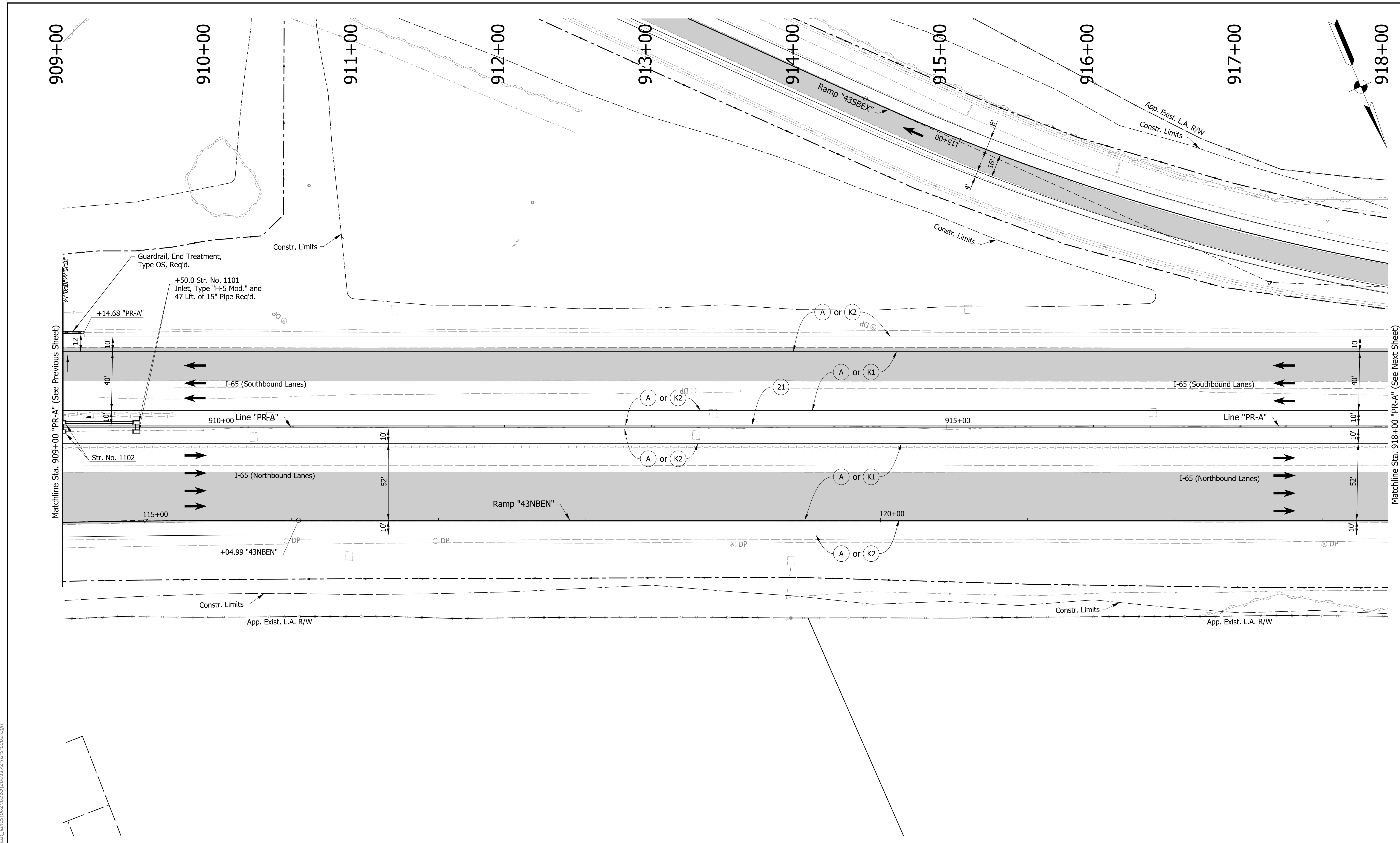
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

INDIANA  
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS  
LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	190 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

jealovander  
 2/1/2021 5:24:00 pm  
 model: Sheet10  
 file: c:\cadd\lib\pwr\strngel\pwr\great\_lakes\02-403851\2001172-rd-s-cd01.dgn



Matchline Sta. 909+00 "PR-A" (See Previous Sheet)

Matchline Sta. 918+00 "PR-A" (See Next Sheet)

**Notes:**  
 For Construction Details Legend see Sheet DET-01.  
 All station / offset information on this sheet described from Line "PR-A" except as shown.  
 For geometric information see Geometric Layout Sheets.

**DRAFT**  
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

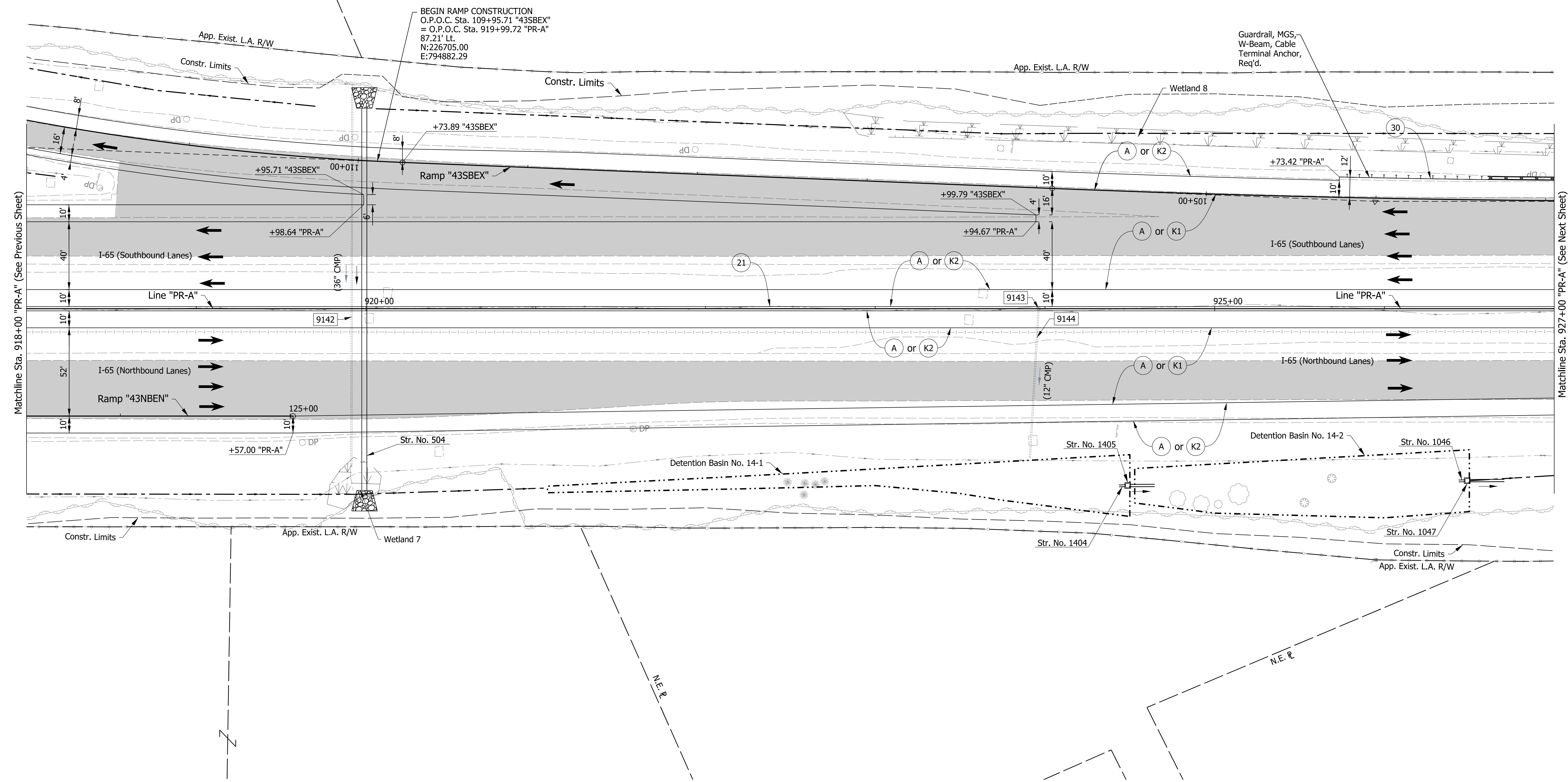
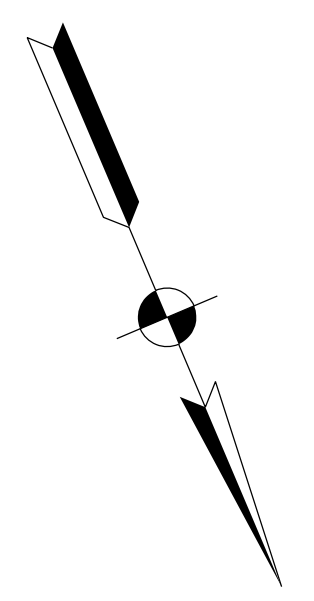
INDIANA  
 DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS  
 LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	191 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

jealovander  
 2/1/2021 5:24:01 pm  
 model: Sheet11  
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918+00 919+00 920+00 921+00 922+00 923+00 924+00 925+00 926+00 927+00



Matchline Sta. 918+00 "PR-A" (See Previous Sheet)

Matchline Sta. 927+00 "PR-A" (See Next Sheet)

Notes:  
 For Construction Details Legend see Sheet DET-01.  
 All station / offset information on this sheet described from Line "PR-A" except as shown.  
 For geometric information see Geometric Layout Sheets.

**DRAFT**  
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

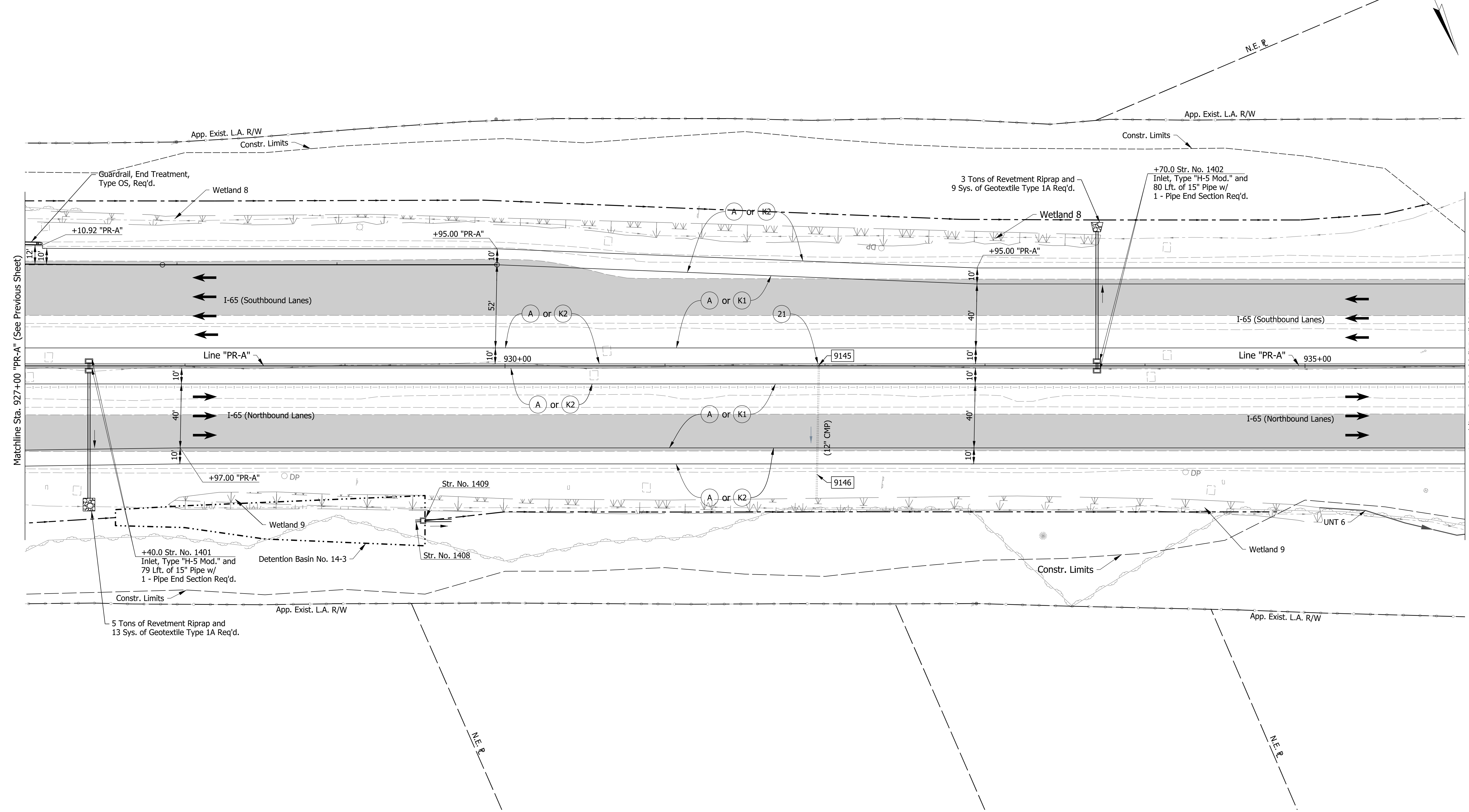
INDIANA  
 DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS  
 LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	192 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

jealovander  
 2/1/2021 5:24:02 pm  
 model: Sheet12  
 file: c:\cadd\lib\pwr\strngel\pwrgrat\_lakes\024038512001172-rd-s-cd01.dgn

927+00 928+00 929+00 930+00 931+00 932+00 933+00 934+00 935+00 936+00



Notes:  
 For Construction Details Legend see Sheet DET-01.  
 All station / offset information on this sheet described from Line "PR-A" except as shown.  
 For geometric information see Geometric Layout Sheets.

**DRAFT**  
 NOT FOR CONSTRUCTION

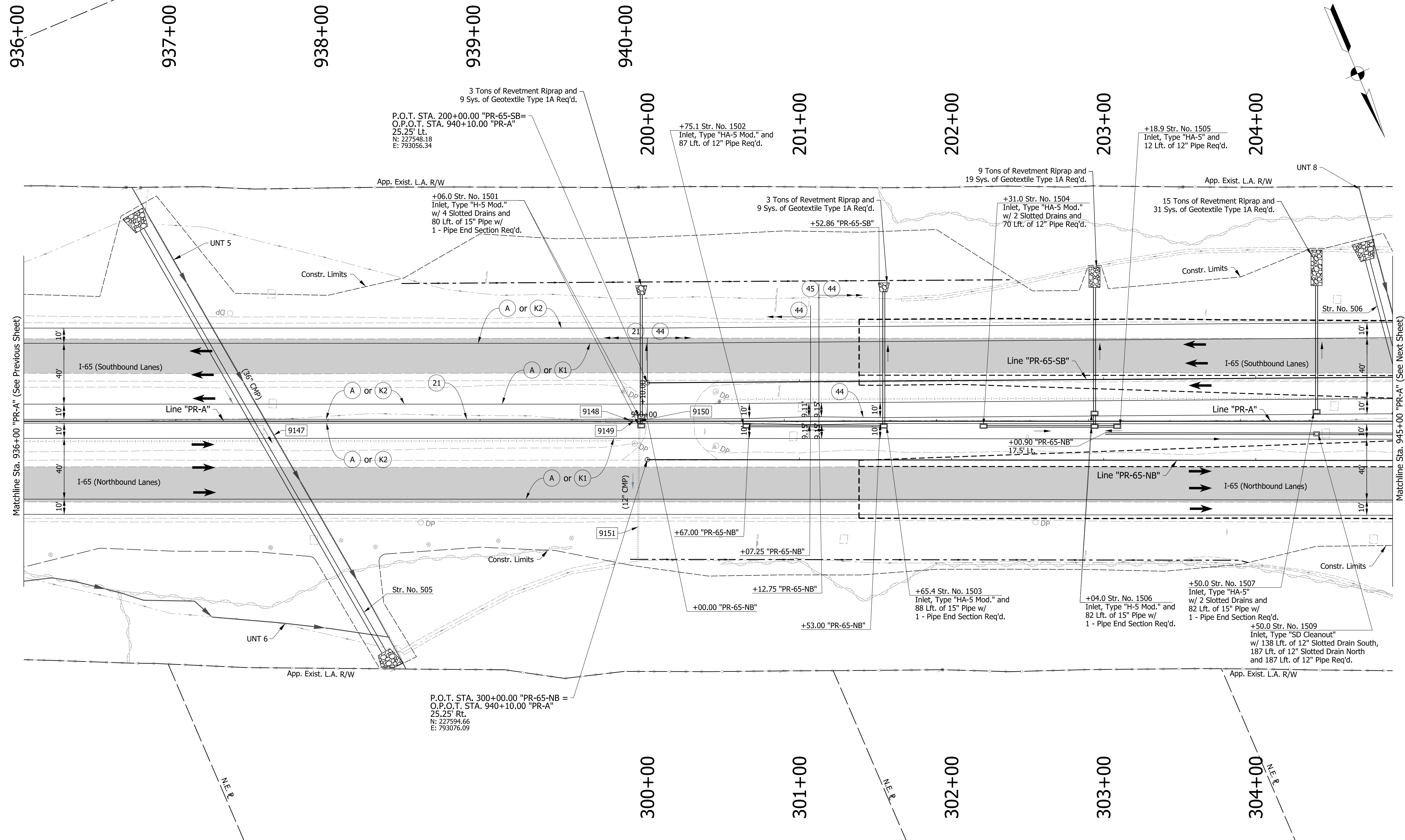
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

INDIANA  
 DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS  
 LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	193 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

jealovander  
 2/1/2021 5:24:03 pm  
 model: Sheet13  
 file: c:\cadd\lib\pwr\trngel\pwr\great\_lakes\02403851\2001172-rd-s-cd01.dgn



Notes:  
 For Construction Details Legend see Sheet DET-01.

All station / offset information on this sheet described from Line "PR-A" except as shown.  
 For geometric information see Geometric Layout Sheets.

**DRAFT**  
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

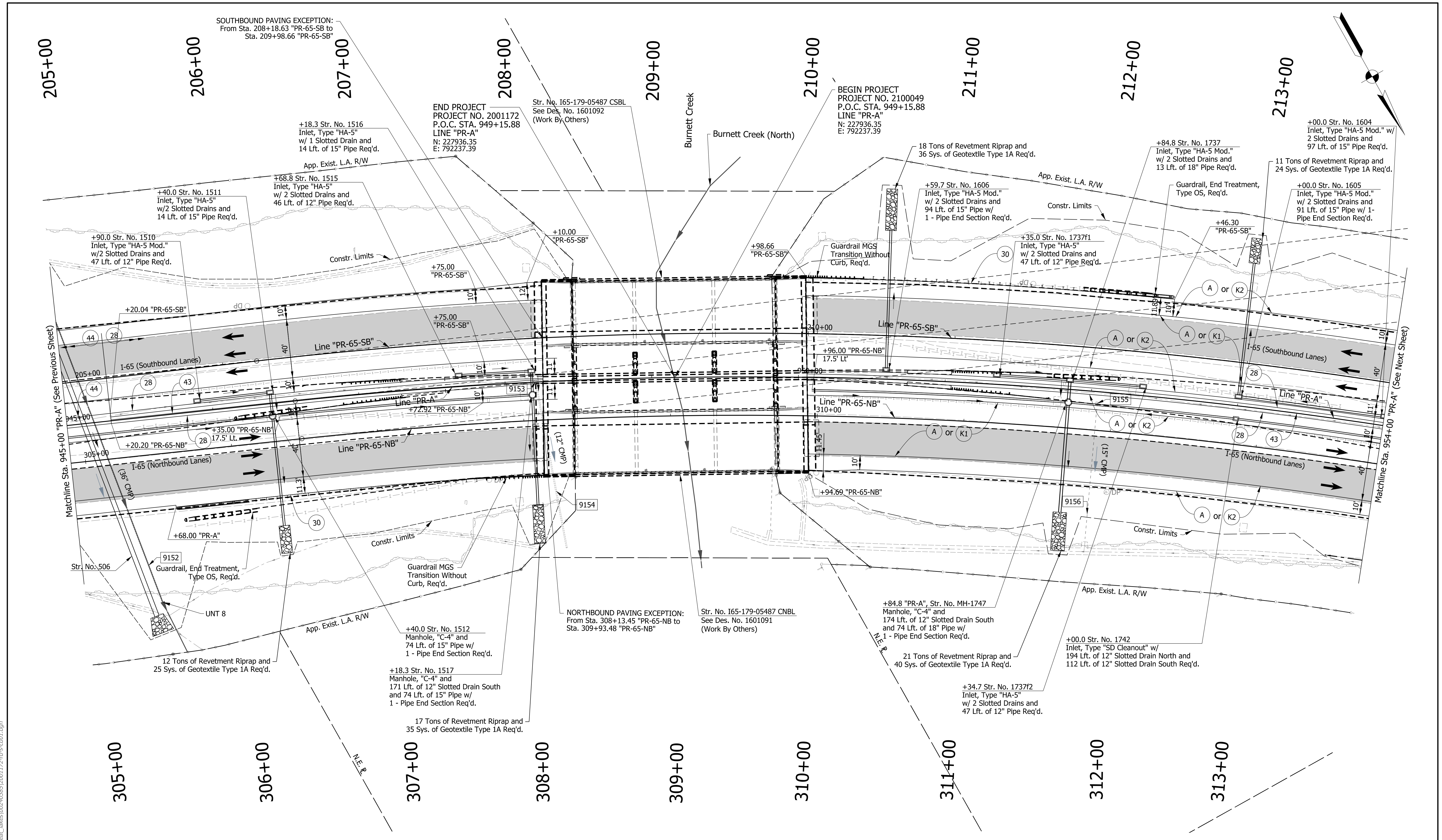
INDIANA  
 DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS  
 LINE "PR-A"  
 LINE "PR-65-NB" AND LINE "PR-65-SB"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	194 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

jealovander  
 2/1/2021 5:24:04 pm  
 model: Sheet14  
 file: c:\cadd\ib\pvt\str\regel\pvt\great\_lakes\02-40385\2001172-rd-s-cdd01.dgn





Notes:  
 For Construction Details Legend see Sheet DET-01.  
 All station / offset information on this sheet described from Line "PR-65-NB" and "PR-65-SB" except as shown.  
 For geometric information see Geometric Layout Sheets.

**DRAFT**  
 NOT FOR CONSTRUCTION

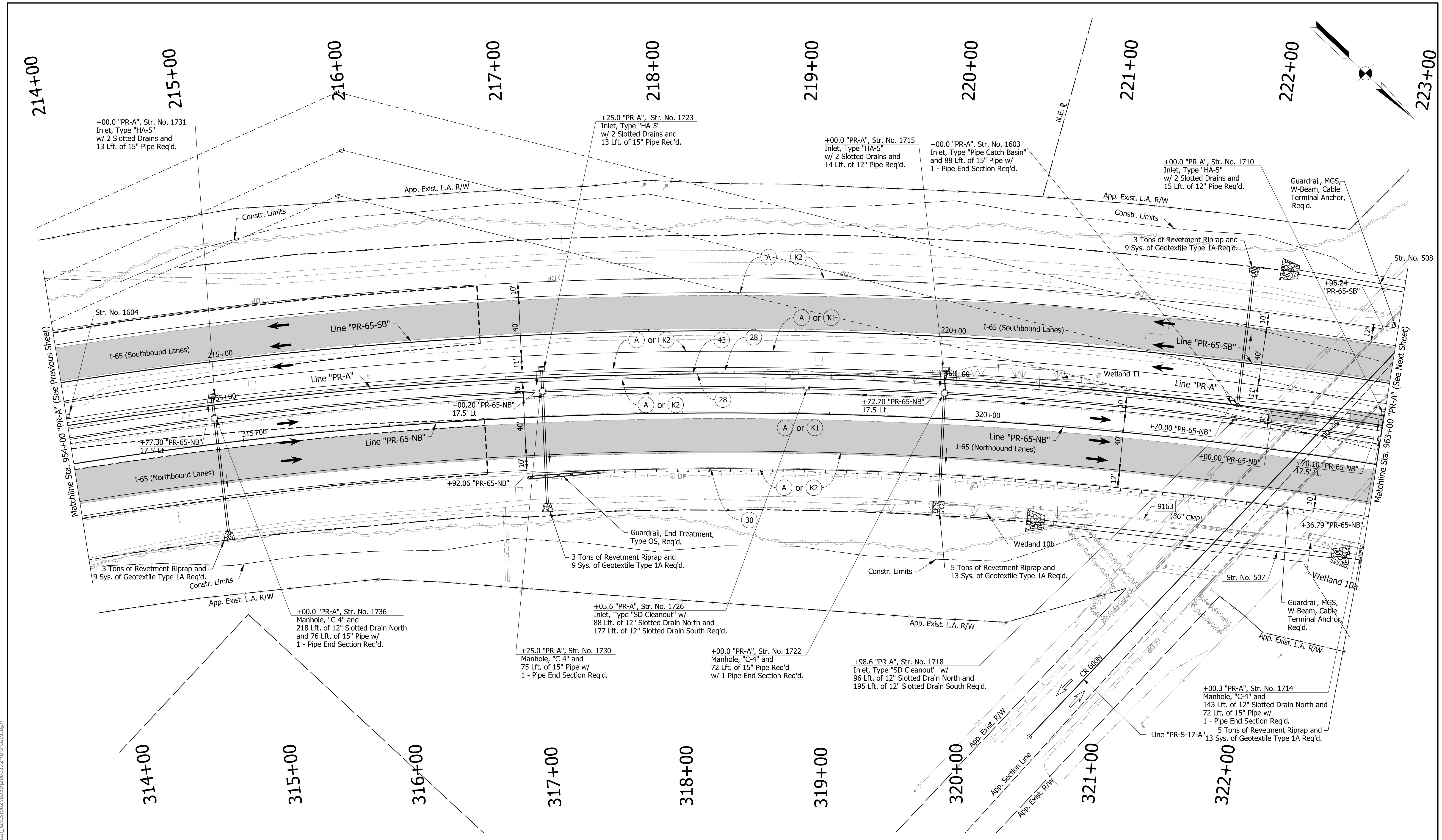
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

INDIANA  
 DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS  
 LINE "PR-65-NB" AND LINE "PR-65-SB"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	195 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

jealovander  
 2/1/2021 5:24:06 pm  
 model: Sheet15  
 file: c:\cadd\ib\p\instr\regel\p\p\great\_lakes\02\403851\2001172-rf-s-cdd1.dgn



Notes:  
For Construction Details Legend see Sheet DET-01.

All station / offset information on this sheet described from Line "PR-65-NB" and "PR-65-SB" except as shown.  
For geometric information see Geometric Layout Sheets.

**DRAFT**  
NOT FOR CONSTRUCTION

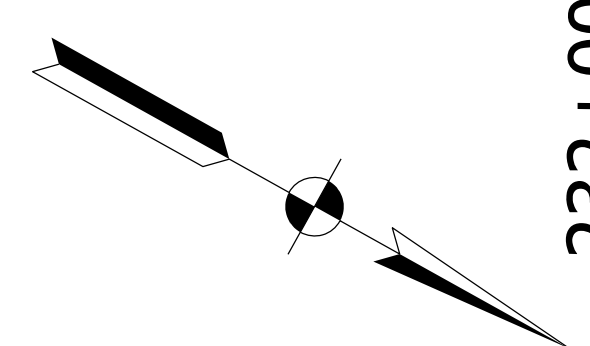
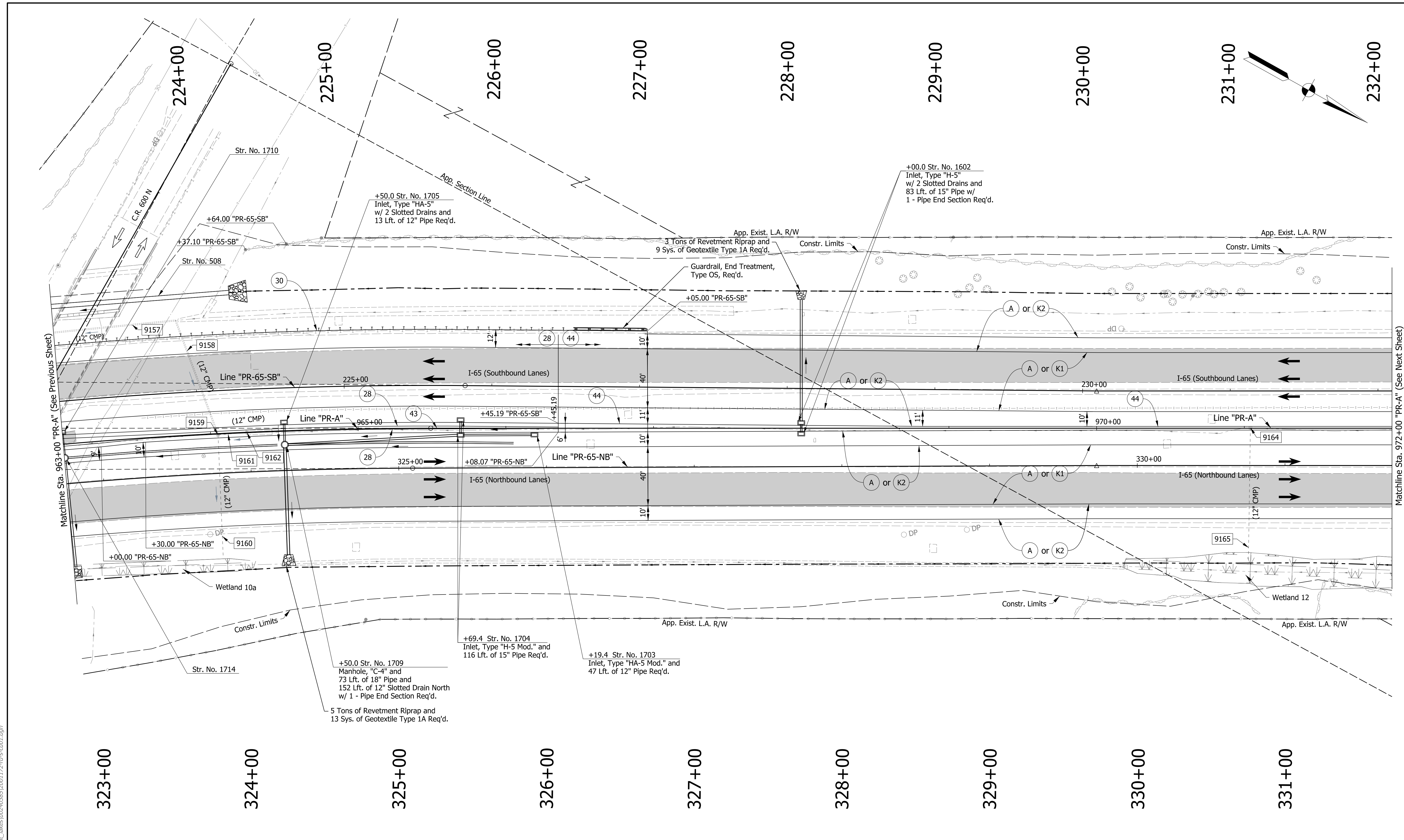
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

INDIANA  
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS  
LINE "PR-65-NB" AND LINE "PR-65-SB"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	196 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

jealovander  
 2/1/2021 5:24:07 pm  
 model: Sheet16  
 file: c:\candlib\pwr\strnegel\pwrgrat\_lakes\02-403851\2001172-rd-s-cd01.dgn



Notes:  
For Construction Details Legend see Sheet DET-01.

All station / offset information on this sheet described from Line "PR-65-NB" and "PR-65-SB" except as shown.  
For geometric information see Geometric Layout Sheets.

**NOTE TO REVIEWER:**  
Construction limits within right-of-way, fence to be replaced along embankment.

**DRAFT**  
NOT FOR CONSTRUCTION

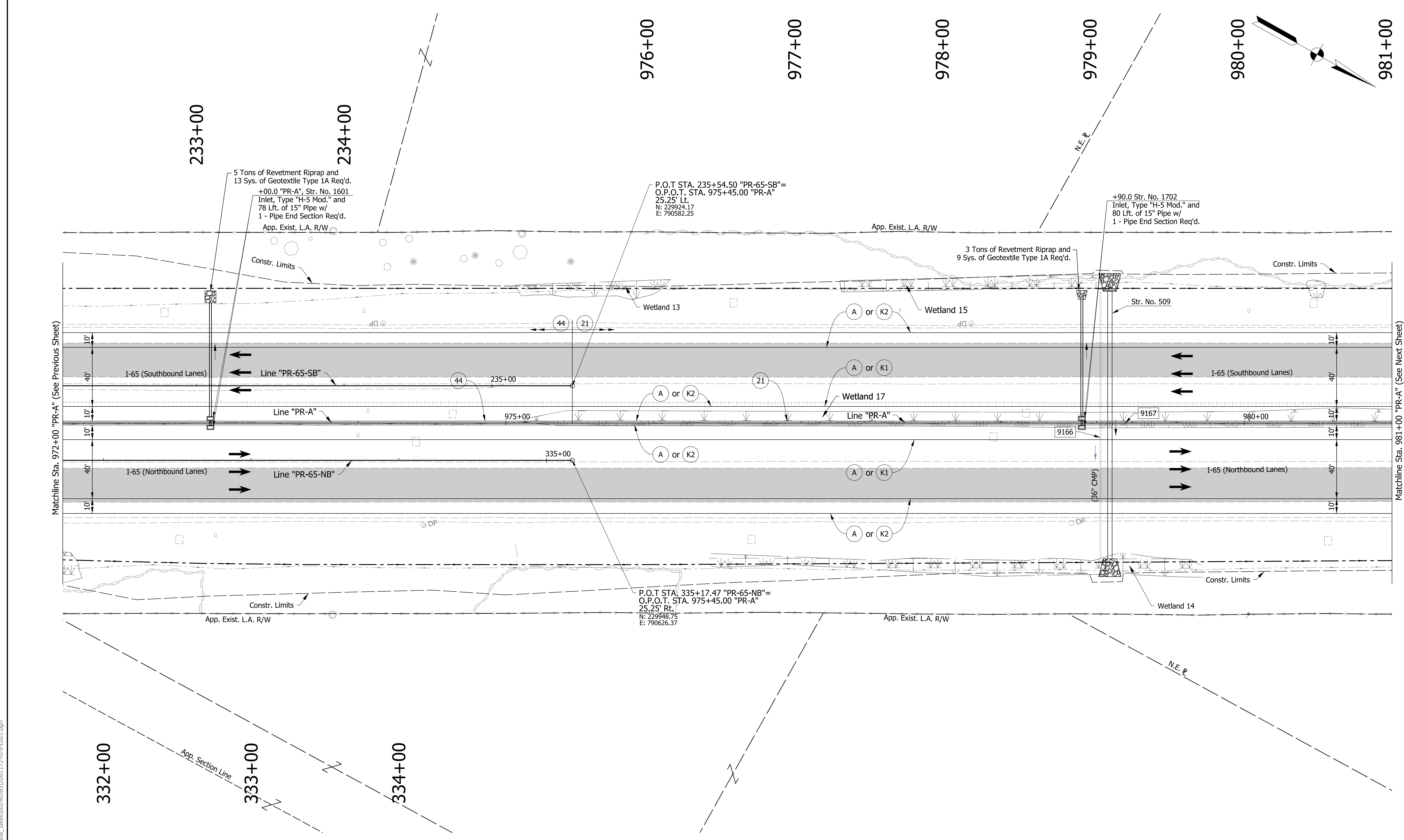
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

INDIANA  
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS  
LINE "PR-65-NB" AND LINE "PR-65-SB"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	197 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

jealovander  
 2/1/2021 5:24:09 pm  
 model: Sheet17  
 file: c:\candib\p\instrig\lakes\02-403851\2001172-rd-s-cd01.dgn



jealovander  
 2/1/2021 5:24:10 pm  
 model: Sheet18  
 file: c:\cadd\lib\pwr\strngel\pwr\great\_lakes\02\403851\2001.172-rf-s-cd01.dgn

Notes:  
 For Construction Details Legend see Sheet DET-01.  
 All station / offset information on this sheet described from Line "PR-A" except as shown.  
 For geometric information see Geometric Layout Sheets.

**DRAFT**  
 NOT FOR CONSTRUCTION

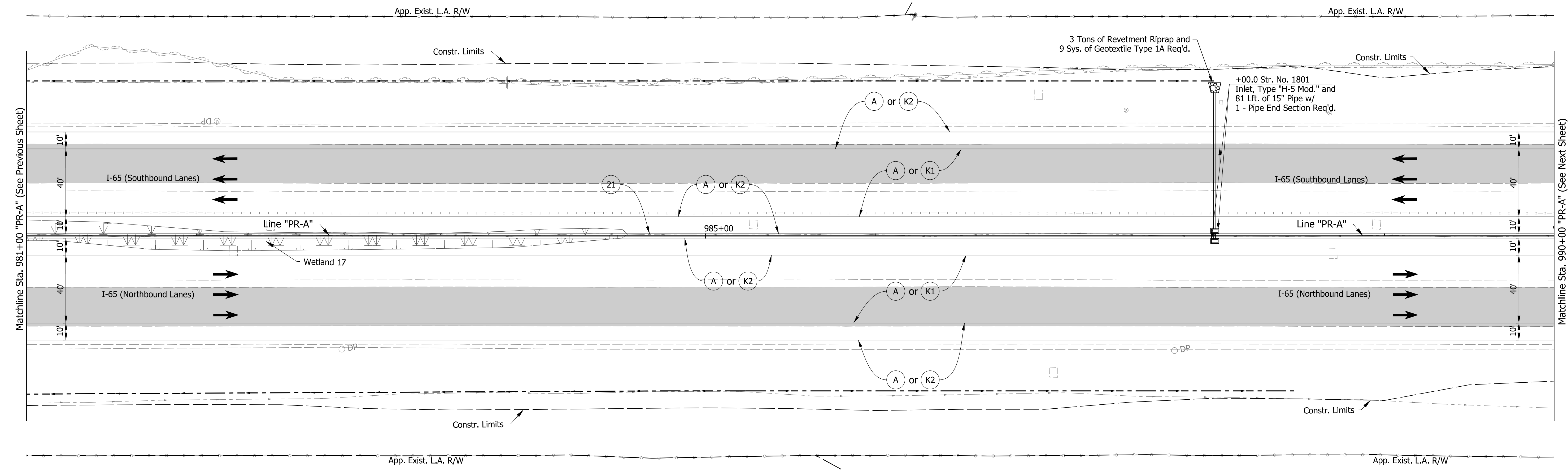
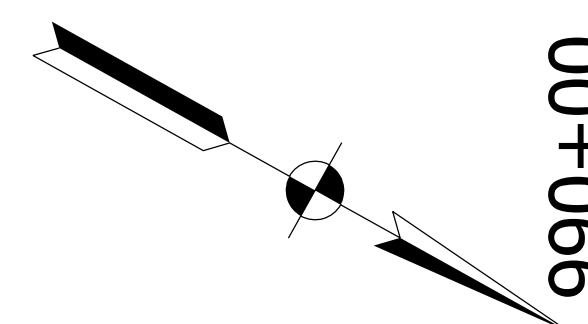
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

INDIANA  
 DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION DETAILS**  
 LINE "PR-A"  
 LINE "PR-65-NB" AND LINE "PR-65-SB"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	198 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

981+00 982+00 983+00 984+00 985+00 986+00 987+00 988+00 989+00 990+00



Notes:  
 For Construction Details Legend see Sheet DET-01.  
 All station / offset information on this sheet described from Line "PR-A" except as shown.  
 For geometric information see Geometric Layout Sheets.

**DRAFT**  
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

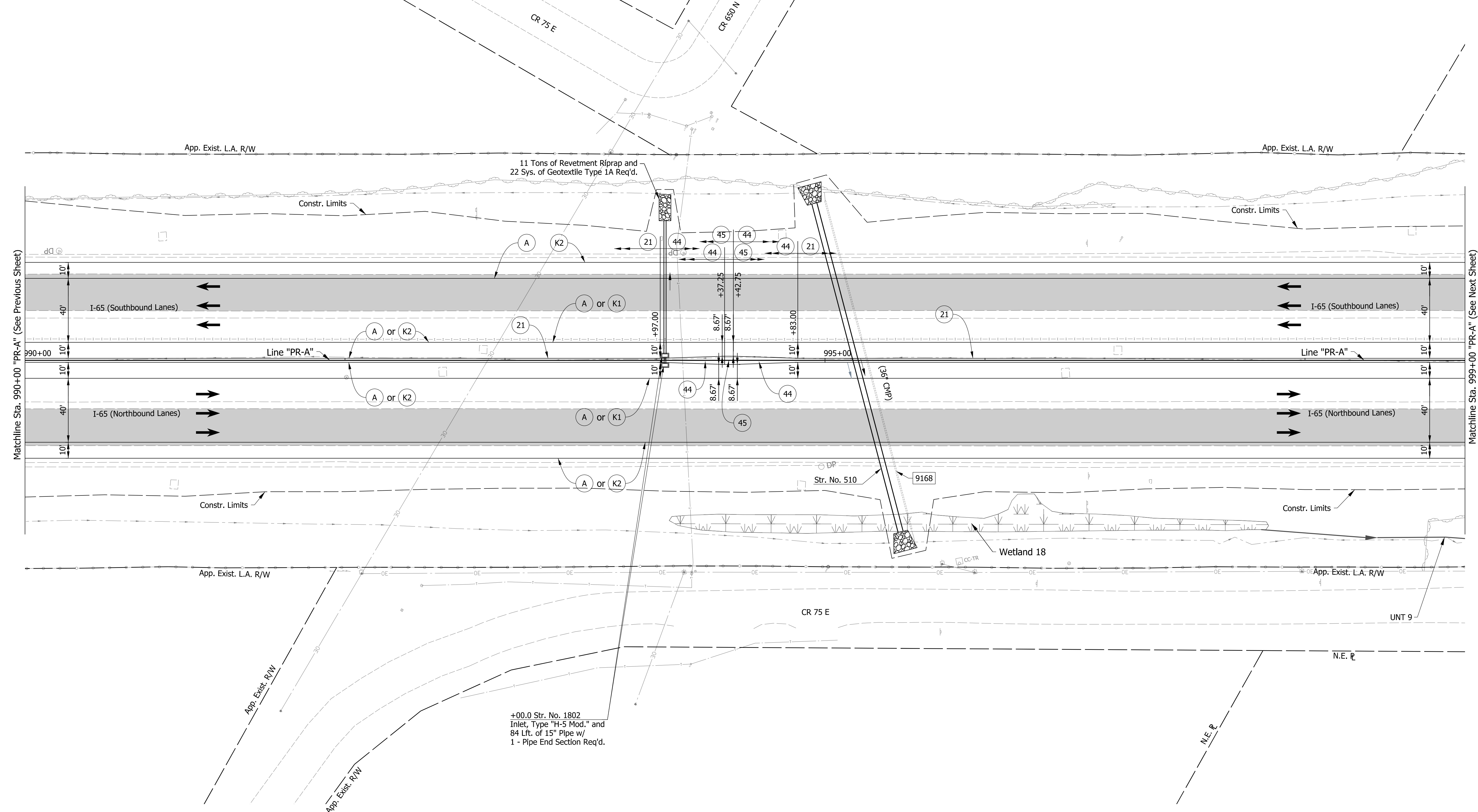
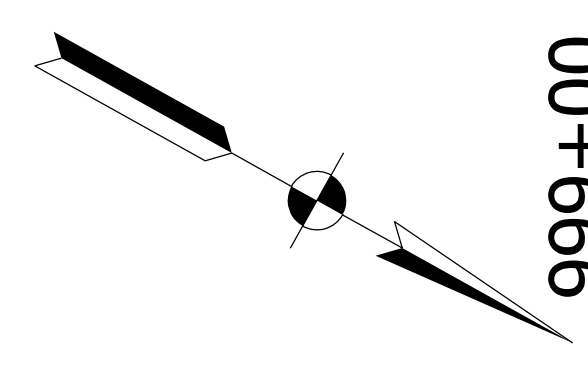
INDIANA  
 DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION DETAILS  
 LINE "PR-A"**

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	199 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

jealovander  
 2/1/2021 5:24:11 pm  
 model: Sheet19  
 file: c:\cadd\ib\p\1\strigge\l\p\grat\_lakes\02\40385\2001172-rf-s-cd01.dgn

990+00 991+00 992+00 993+00 994+00 995+00 996+00 997+00 998+00 999+00



Matchline Sta. 990+00 "PR-A" (See Previous Sheet)

Matchline Sta. 999+00 "PR-A" (See Next Sheet)

**Notes:**  
 For Construction Details Legend see Sheet DET-01.  
 All station / offset information on this sheet described from Line "PR-A" except as shown.  
 For geometric information see Geometric Layout Sheets.

**DRAFT**  
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

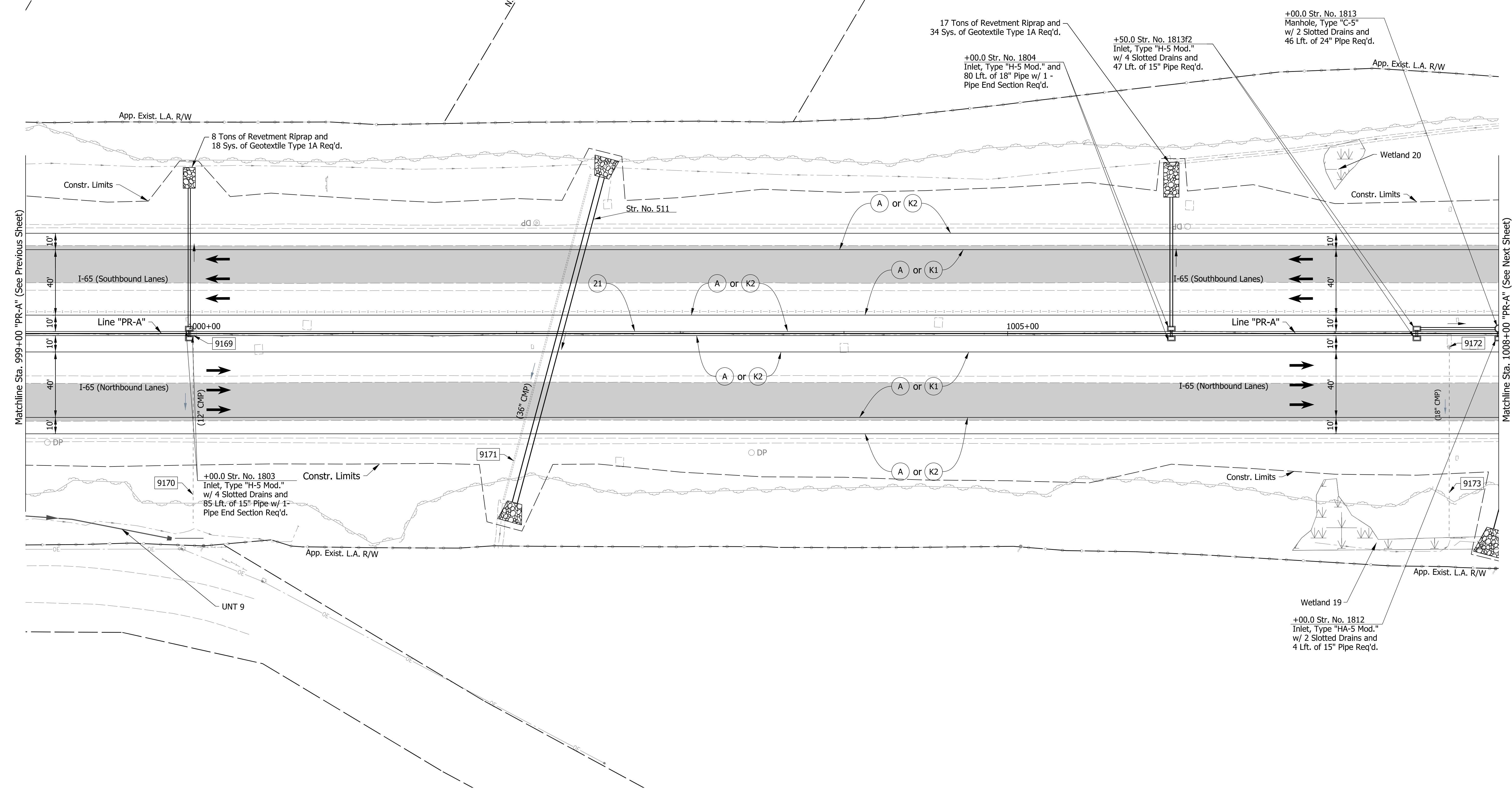
**INDIANA DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION DETAILS LINE "PR-A"**

HORIZONTAL SCALE	BRIDGE FILE	
1"=30'	N/A	
VERTICAL SCALE	DESIGNATION	
N/A	2001172 & 2100049	
SURVEY BOOK	SHEETS	CD-21
ELECTRONIC	200 of	531
CONTRACT	PROJECT	
R-42909	2001172 & 2100049	

jealovander  
 2/1/2021 5:24:12 pm  
 model: Sheet20  
 file: c:\cadd\ib\pvt\str\regal\pvt\great\_lakes\02403851\2001172-ri-s-cd01.dgn

999+00 1000+00 1001+00 1002+00 1003+00 1004+00 1005+00 1006+00 1007+00 1008+00



Notes:  
 For Construction Details Legend see Sheet DET-01.  
 All station / offset information on this sheet described from Line "PR-A" except as shown.  
 For geometric information see Geometric Layout Sheets.

**DRAFT**  
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

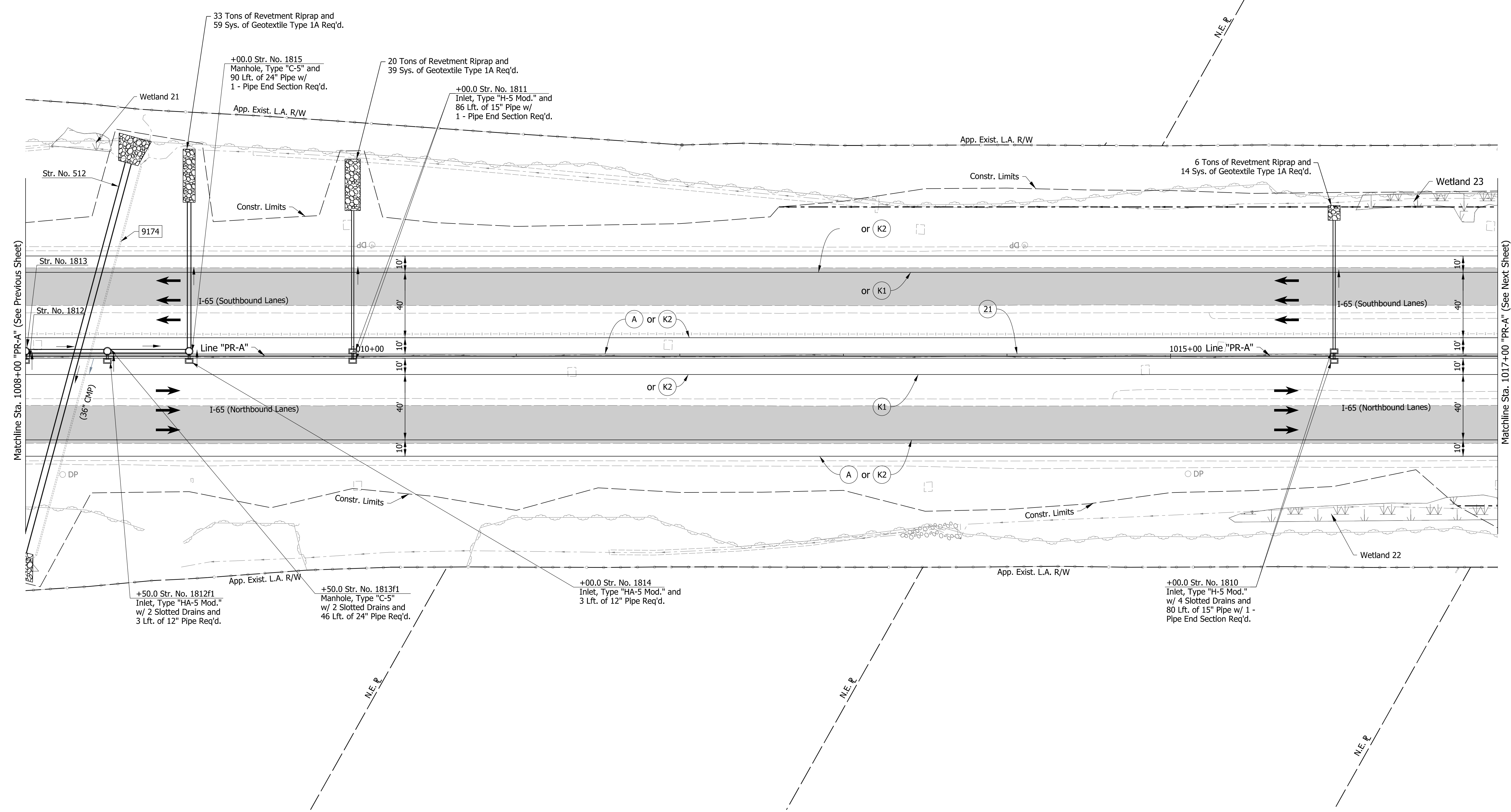
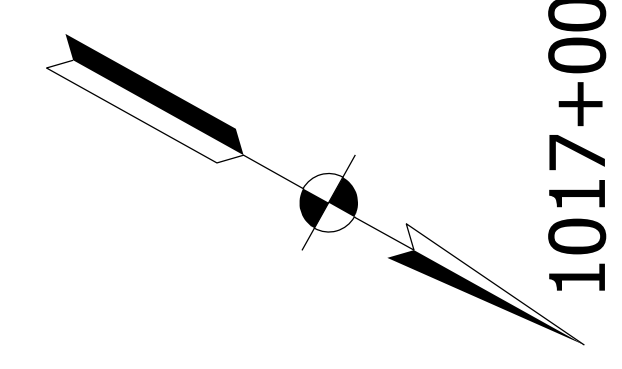
INDIANA  
 DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS  
 LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	201 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

jealovander  
 2/1/2021 5:24:13 pm  
 model: Sheet21  
 file: c:\cadd\ib\pvt\str\regal\pvt\regal\_lakes\02\40385\2001.172-rd-s-cd01.dgn

1008+00 1009+00 1010+00 1011+00 1012+00 1013+00 1014+00 1015+00 1016+00 1017+00



Notes:  
 For Construction Details Legend see Sheet DET-01.  
 All station / offset information on this sheet described from Line "PR-A" except as shown.  
 For geometric information see Geometric Layout Sheets.

**DRAFT**  
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

INDIANA  
 DEPARTMENT OF TRANSPORTATION

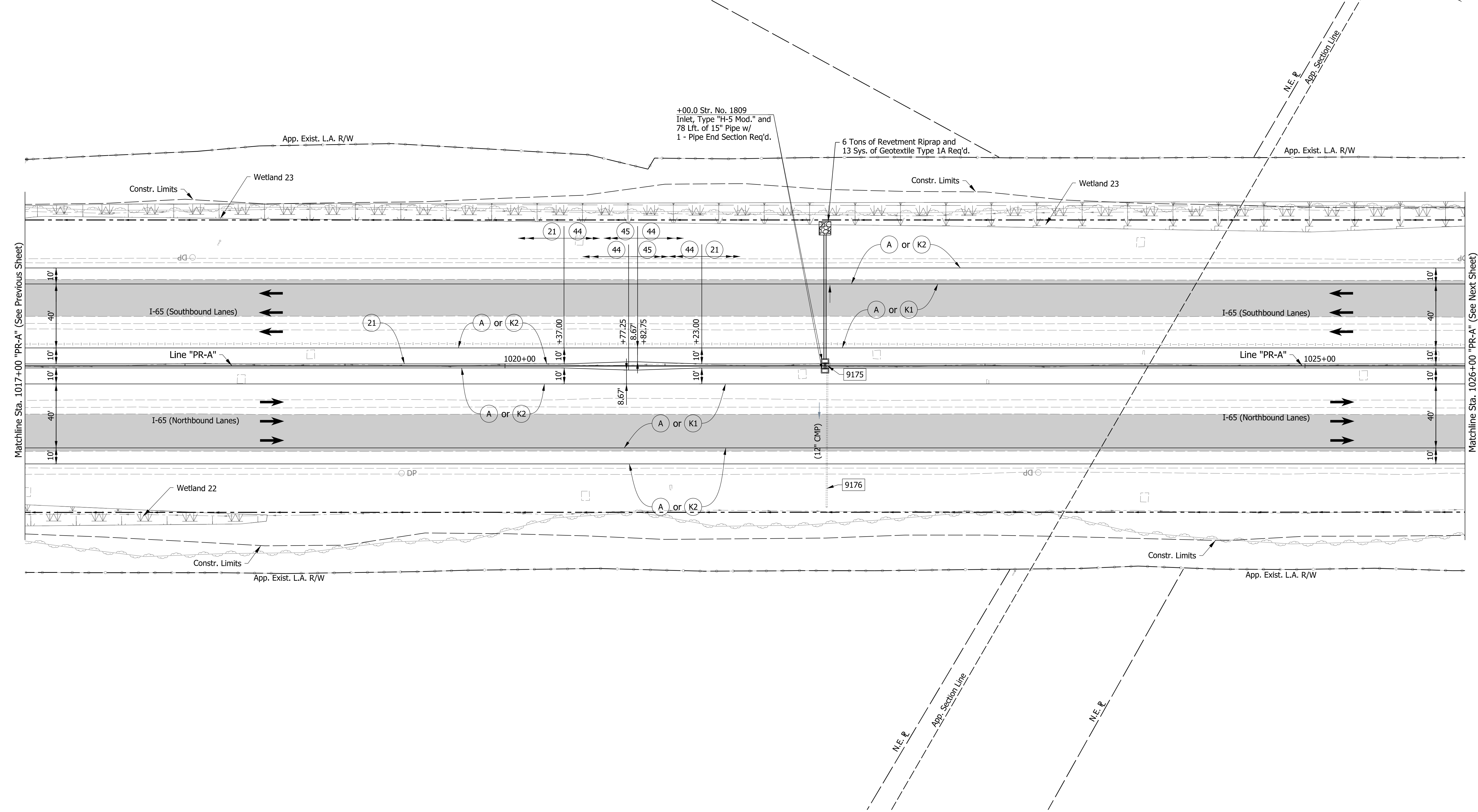
CONSTRUCTION DETAILS  
 LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	202 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

jealovander  
 2/1/2021 5:24:14 pm  
 model: Sheet422  
 file: c:\candlib\pwr\strngel\pwrgrat\_lakes\02403851\2001172-rd-s-cd01.dgn



1017+00      1018+00      1019+00      1020+00      1021+00      1022+00      1023+00      1024+00      1025+00      1026+00



Matchline Sta. 1017+00 "PR-A" (See Previous Sheet)

Matchline Sta. 1026+00 "PR-A" (See Next Sheet)

**Notes:**  
 For Construction Details Legend see Sheet DET-01.  
 All station / offset information on this sheet described from Line "PR-A" except as shown.  
 For geometric information see Geometric Layout Sheets.

**DRAFT**  
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

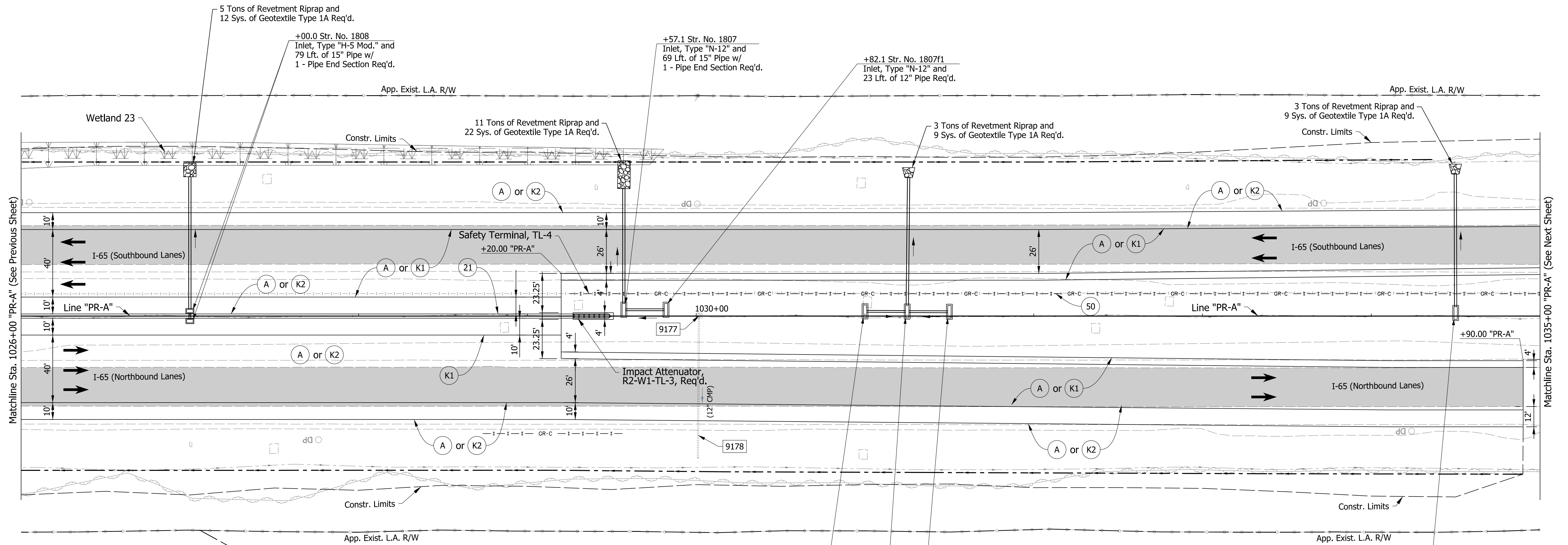
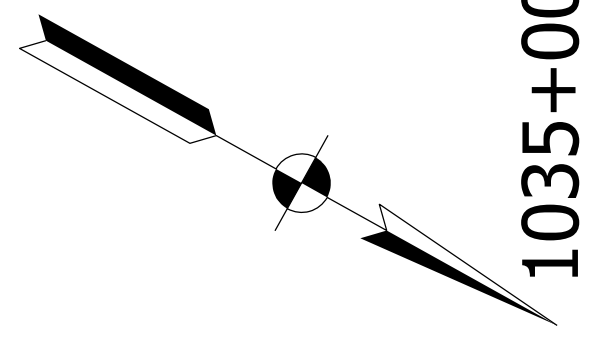
INDIANA  
 DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS  
 LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	203 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

jealovander  
 2/1/2021 5:24:15 pm  
 model: Sheet23  
 file: c:\candlib\pwr\strigge\lakes\0240385\2001172-rd-s-cd01.dgn

1026+00 1027+00 1028+00 1029+00 1030+00 1031+00 1032+00 1033+00 1034+00 1035+00



All station / offset information on this sheet described from Line "PR-A" except as shown.  
 For geometric information see Geometric Layout Sheets.

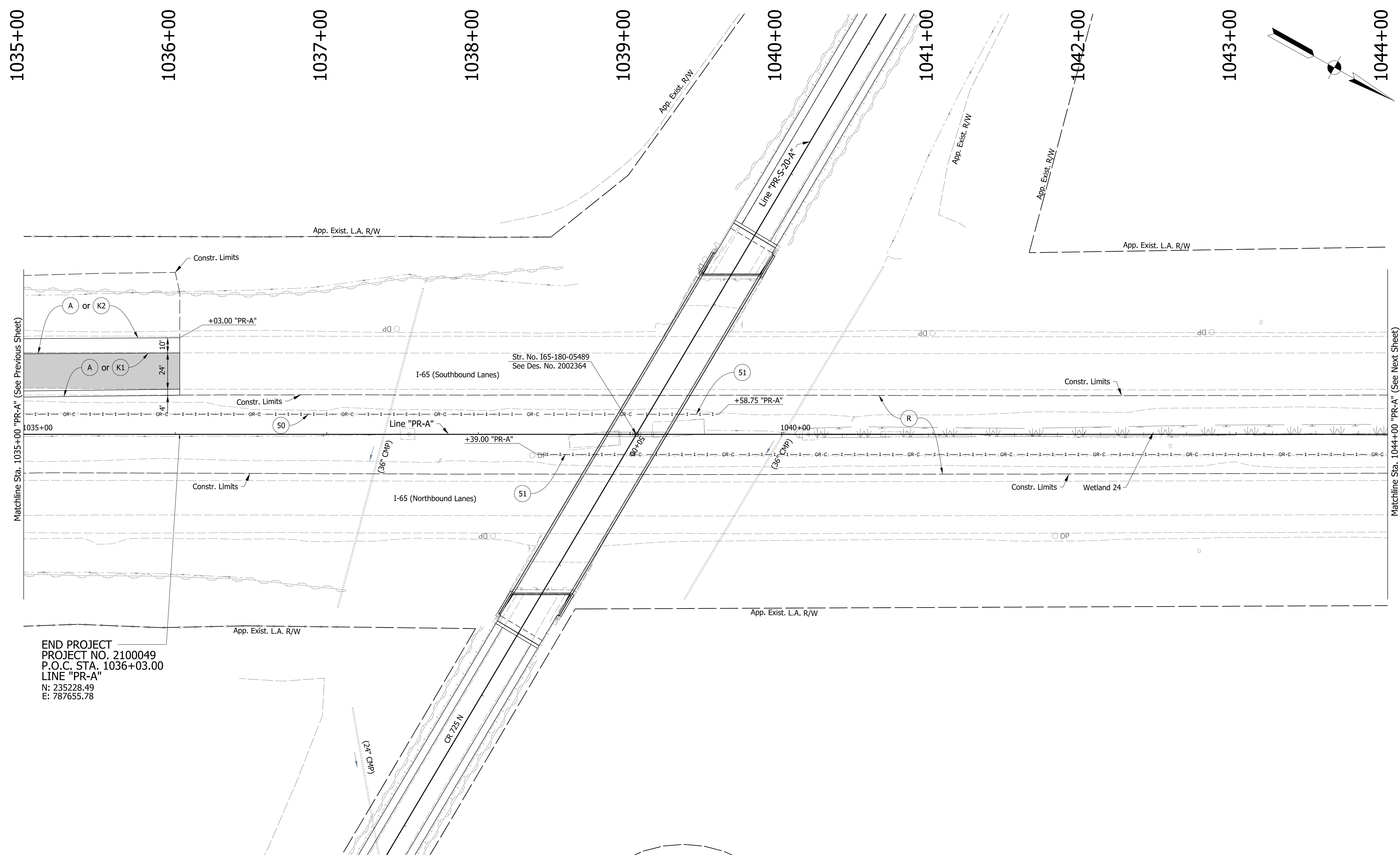
**DRAFT**  
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ JMA _____	DRAWN: _____ JSB _____	
CHECKED: _____ MKM _____	CHECKED: _____ MKM _____	

INDIANA  
 DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS  
 LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE	
1"=30'	N/A	
VERTICAL SCALE	DESIGNATION	
N/A	2001172 & 2100049	
SURVEY BOOK	SHEETS	CD-25
ELECTRONIC	204	of 531
CONTRACT	PROJECT	
R-42909	2001172 & 2100049	



END PROJECT  
 PROJECT NO. 2100049  
 P.O.C. STA. 1036+03.00  
 LINE "PR-A"  
 N: 235228.49  
 E: 787655.78

Notes:  
 For Construction Details Legend see Sheet DET-01.  
 All station / offset information on this sheet described from Line "PR-A" except as shown.  
 For geometric information see Geometric Layout Sheets.

**DRAFT**  
 NOT FOR CONSTRUCTION

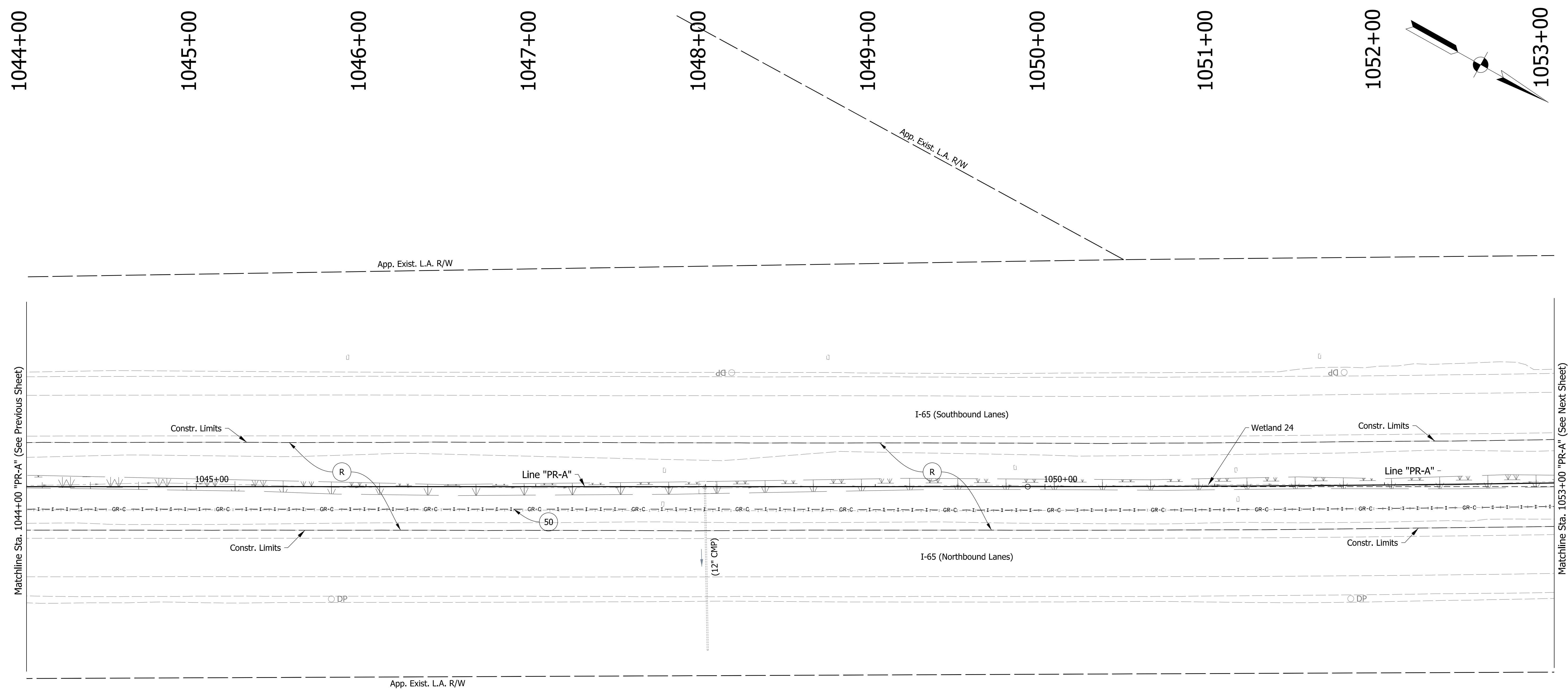
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

INDIANA  
 DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS  
 LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	205 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

jealovander  
 2/1/2021 5:24:17 pm  
 model: Sheet25  
 file: c:\cadd\lib\pwr\trngel\pwr\great\_lakes\0240385\2001172-rf-s-cd01.dgn



jealoxander  
 2/1/2021 5:24:18 pm  
 model: Sheet26  
 file: c:\cadd\lib\pvt\striguel\pvt\great\_lakes\p0240385\2001172-rf-s-cd01.dgn

**Notes:**  
 For Construction Details Legend see Sheet DET-01.  
 All station / offset information on this sheet described from Line "PR-A" except as shown.  
 For geometric information see Geometric Layout Sheets.

**DRAFT**  
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**CONSTRUCTION DETAILS**  
**LINE "PR-A"**

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	206 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

1053+00

1054+00

1055+00

1056+00

1057+00

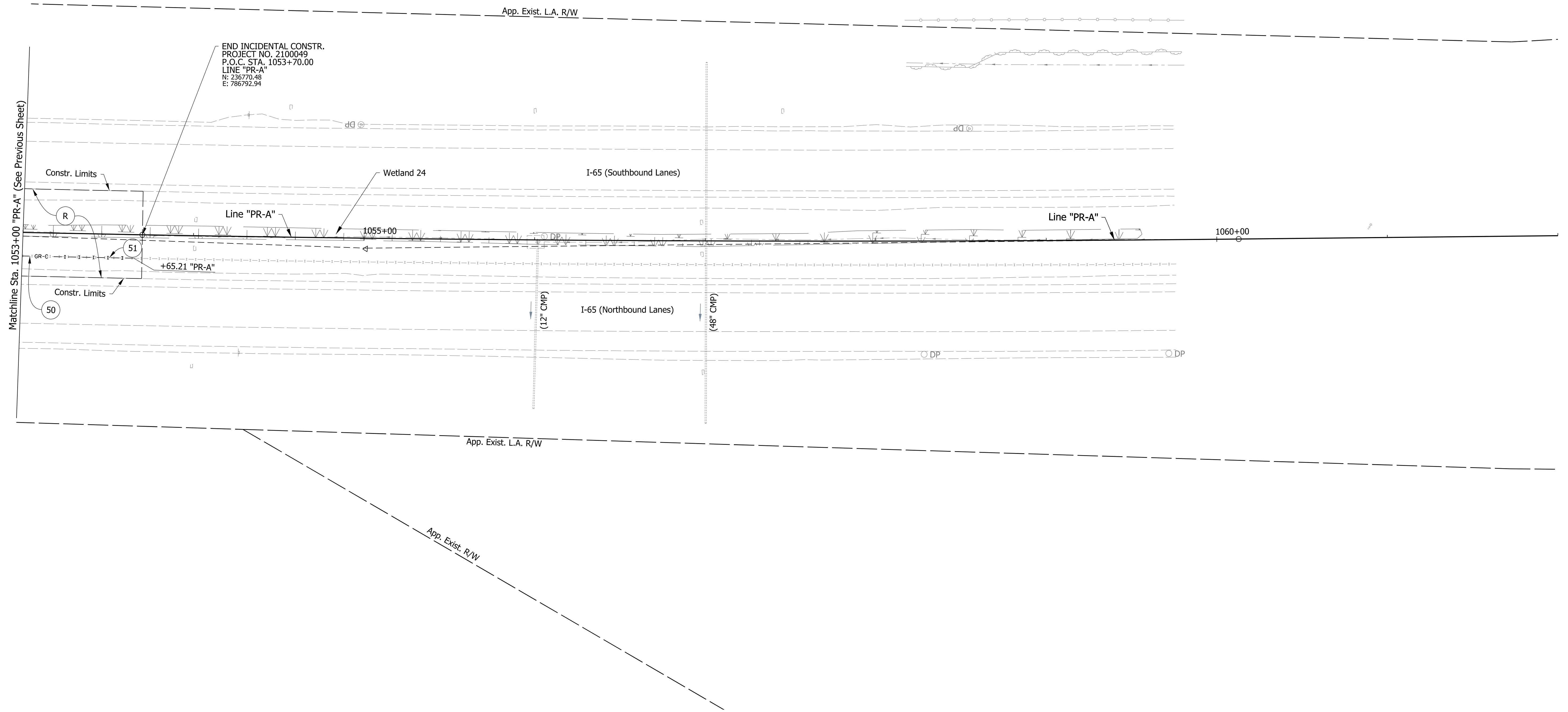
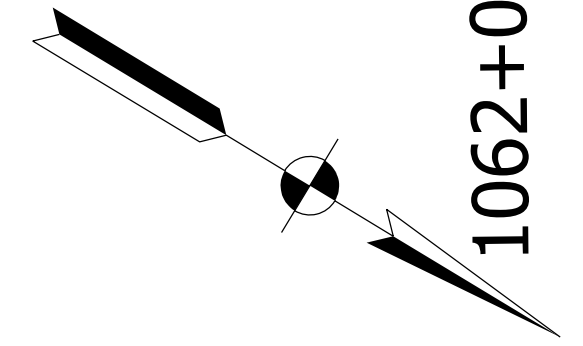
1058+00

1059+00

1060+00

1061+00

1062+00



Notes:  
For Construction Details Legend see Sheet DET-01.

All station / offset information on this sheet described from Line "PR-A" except as shown.  
For geometric information see Geometric Layout Sheets.

**DRAFT**  
NOT FOR CONSTRUCTION

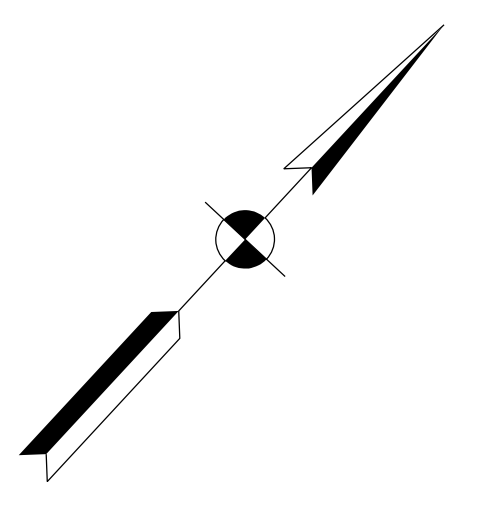
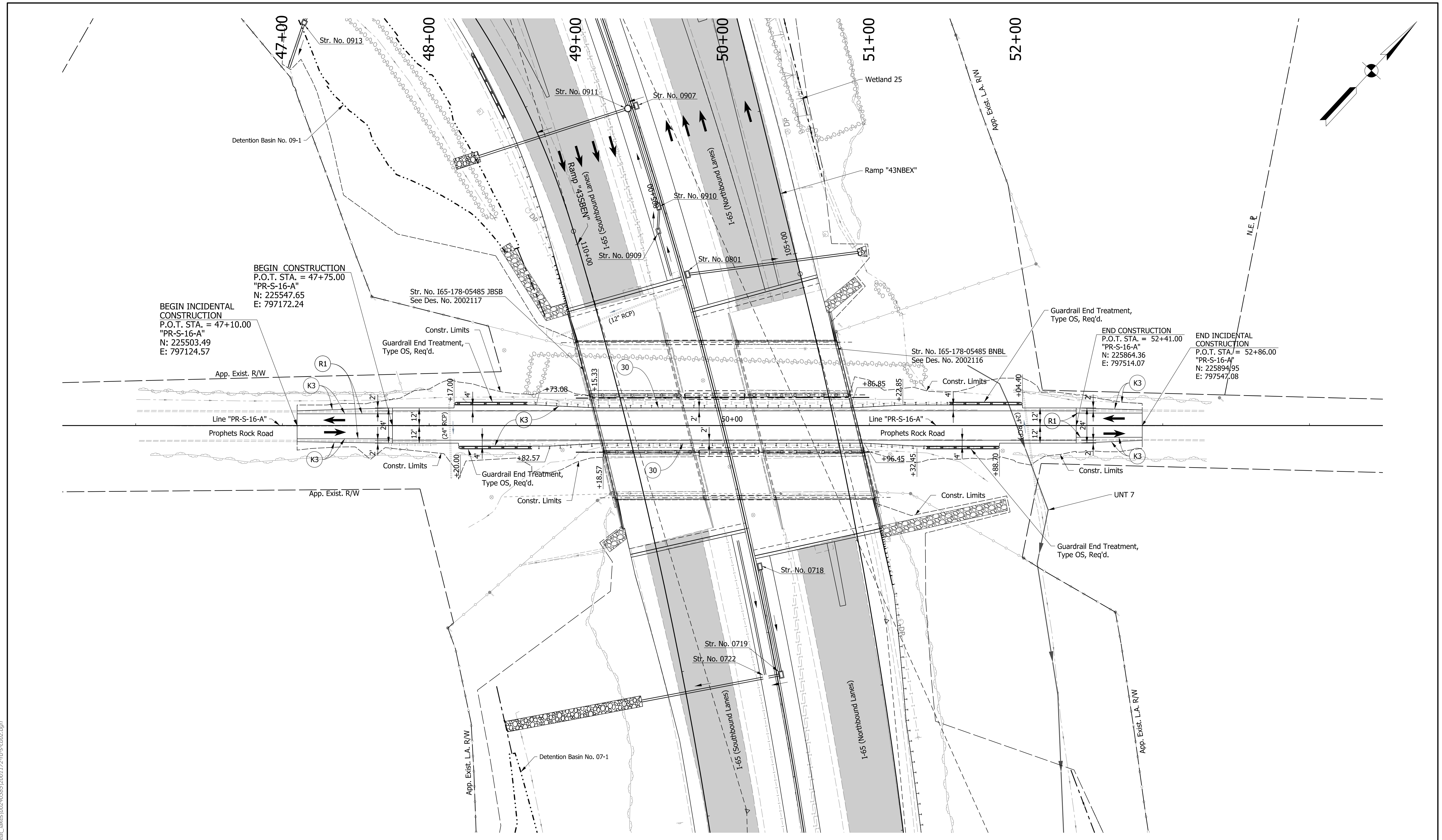
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

INDIANA  
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS  
LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	CD-28
CONTRACT	207 of 531
R-42909	PROJECT
	2001172 & 2100049

jealovander  
2/1/2021 5:24:19 pm  
model:Sheet27  
file:c:\cadd\ib\p\tr\regel\p\p\great\_lakes\p0240385\2001172-rd-s-cd01.dgn



Notes:  
 For Construction Details Legend see Sheet DET-01.  
 All station / offset information on this sheet described from Line "PR-S-16-A" except as shown.  
 For geometric information see Geometric Layout Sheets.

**DRAFT**  
 NOT FOR CONSTRUCTION

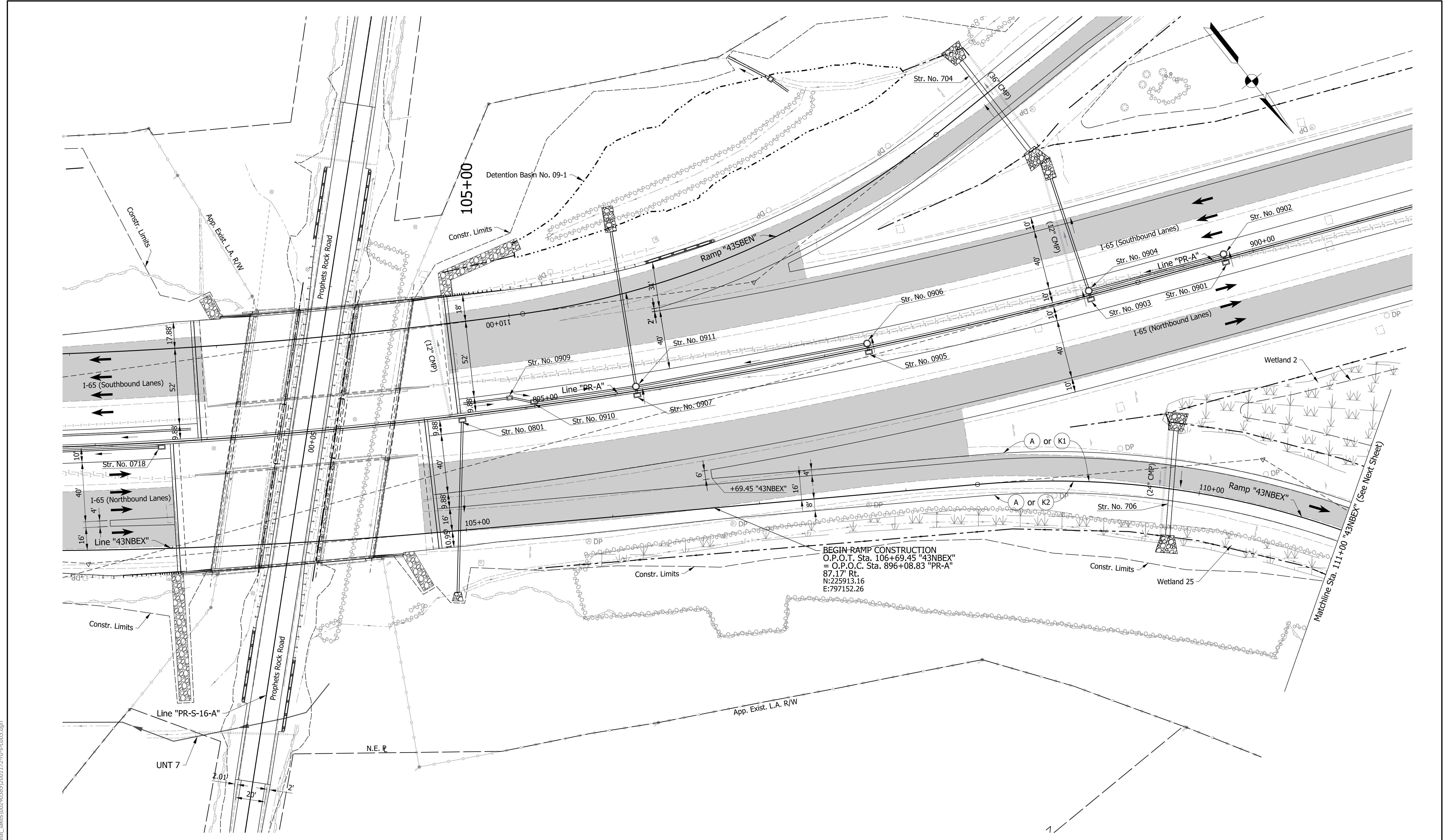
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

INDIANA  
 DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS  
 LINE "PR-S-16-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	208 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

rstriguel  
 2/1/2021 5:24:22 pm  
 model:Sheet1  
 file: c:\cadd\lib\pwr\striguel\pwr\great\_lakes\02-403851\2001172-rf-s-cd02.dgn



Notes:  
 For Construction Details Legend see Sheet DET-01.  
 All station / offset information on this sheet described from Line "PR-A" except as shown.  
 For geometric information see Geometric Layout Sheets.

**DRAFT**  
 NOT FOR CONSTRUCTION

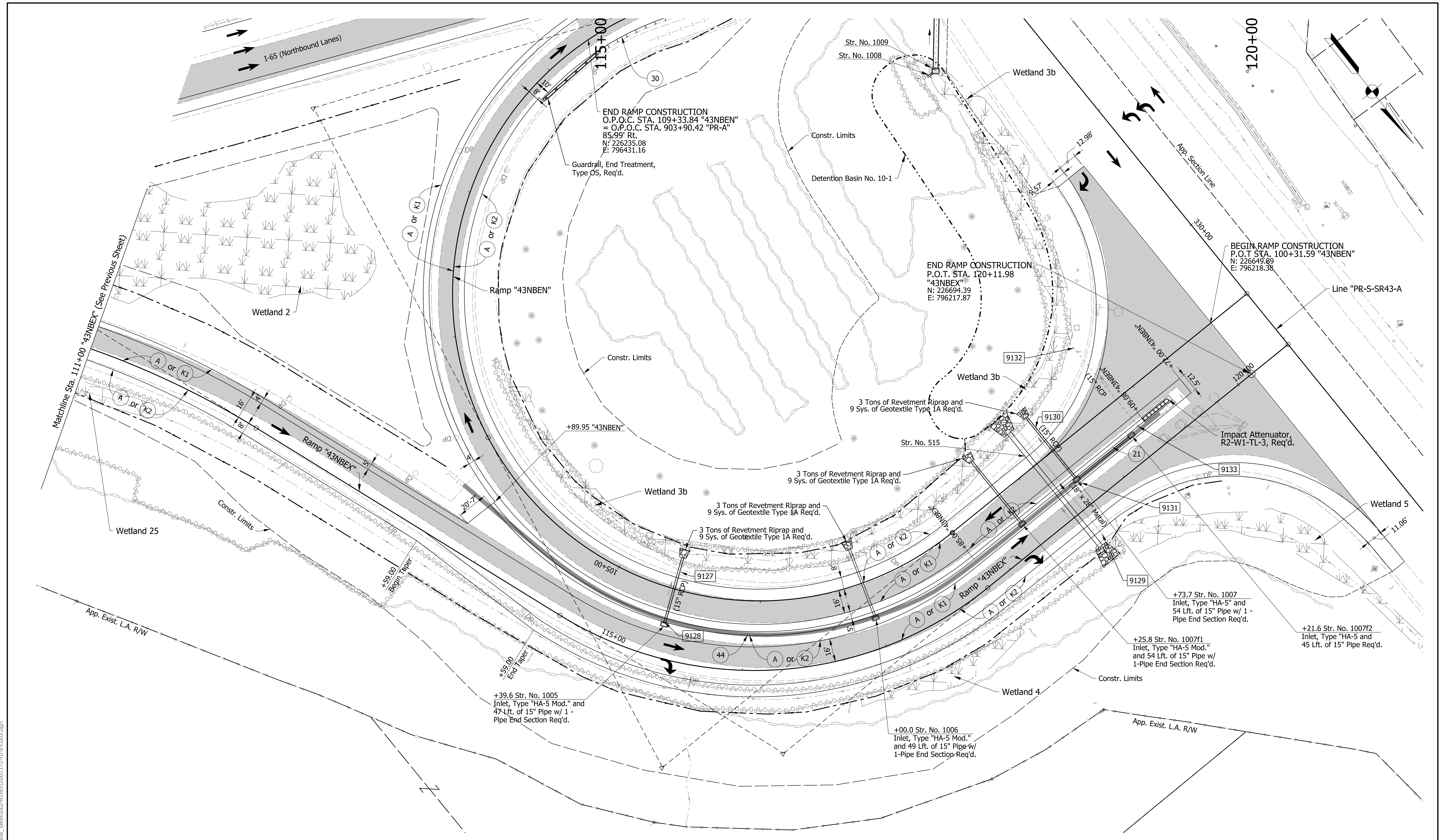
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

INDIANA  
 DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS  
 RAMP "43NBEX"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	209 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

rstriegel  
 2/1/2021 5:24:24 pm  
 model:Sheet1  
 file:c:\cadd\ib\p\striegel\p\great\_lakes\02\40385\2001172-rd-s-cd03.dgn



Notes:  
 For Construction Details Legend see Sheet DET-01.  
 All station / offset information on this sheet described from Line "43NBEX" except as shown.  
 For geometric information see Geometric Layout Sheets.  
 See Sheet ID-02 for Ramp "43NBEX" / Ramp "43NBEN" / SR 43 Intersection Details.

**DRAFT**  
 NOT FOR CONSTRUCTION

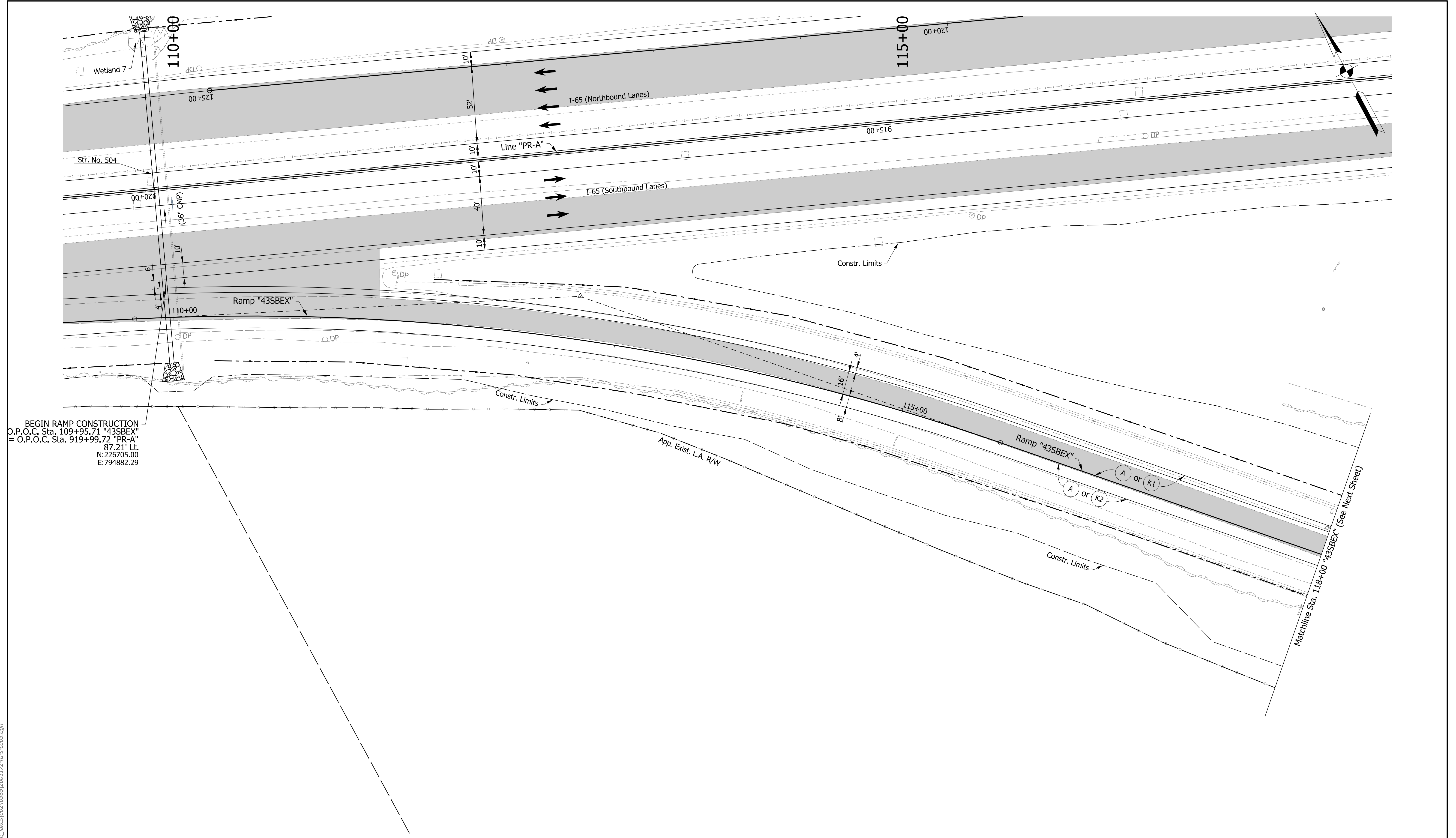
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

INDIANA  
 DEPARTMENT OF TRANSPORTATION  
 CONSTRUCTION DETAILS  
 RAMP "43NBEX" / RAMP "43NBEN"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	210 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

rstrnegel  
 2/1/2021 5:24:26 pm  
 model:Sheet2  
 file:c:\cadd\lib\pwr\strnegel\pwr\great\_lakes\1002403851\2001172-rd-s-cd03.dgn





BEGIN RAMP CONSTRUCTION  
 O.P.O.C. Sta. 109+95.71 "43SBEX"  
 = O.P.O.C. Sta. 919+99.72 "PR-A"  
 87.21' Lt.  
 N: 226705.00  
 E: 794882.29

Notes:  
 For Construction Details Legend see Sheet DET-01.  
 All station / offset information on this sheet described from Ramp "43SBEX" except as shown.  
 For geometric information see Geometric Layout Sheets.

**DRAFT**  
 NOT FOR CONSTRUCTION

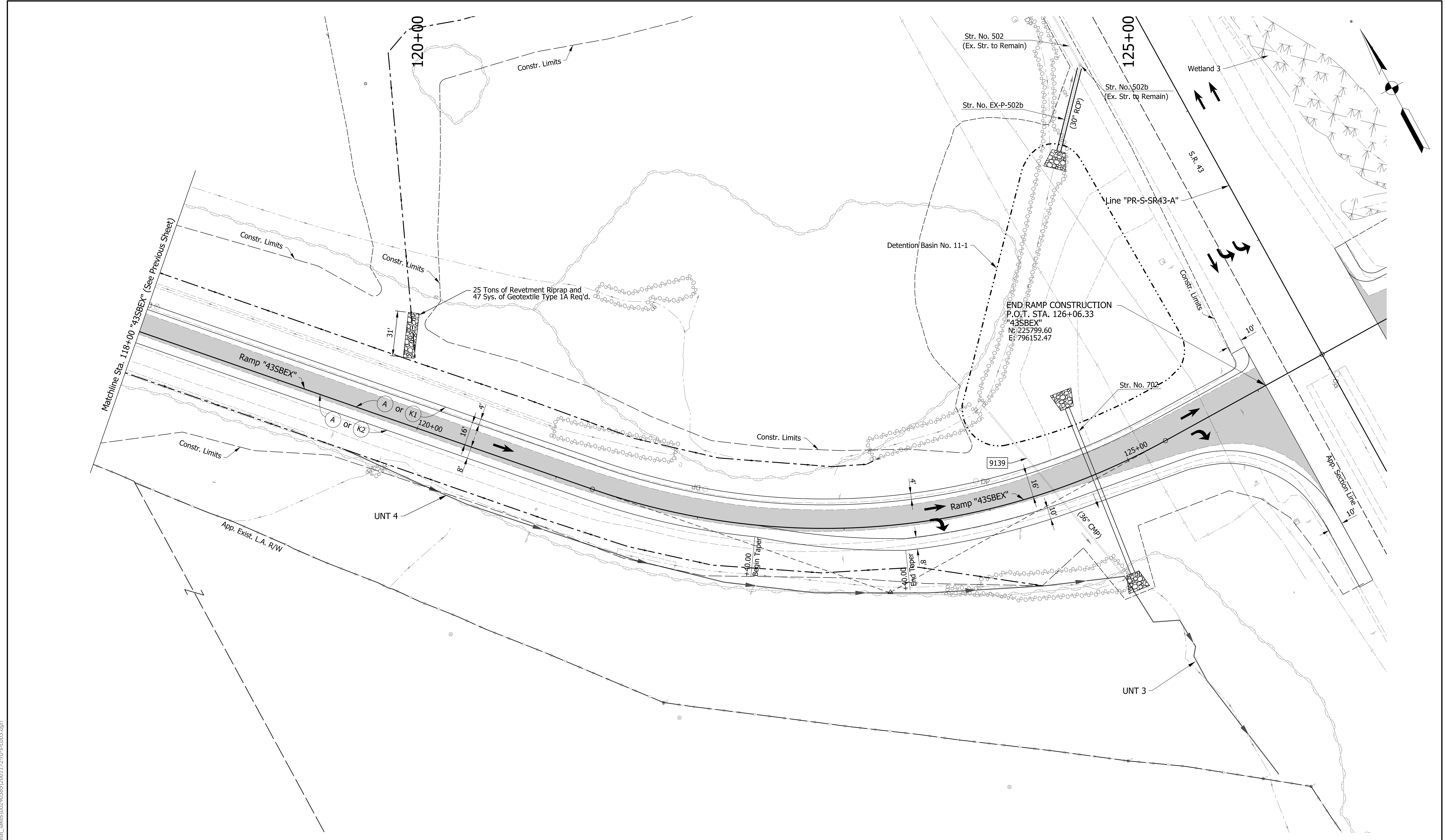
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

INDIANA  
 DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS  
 RAMP "43SBEX"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	211 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

rstriegel  
 2/1/2021 5:24:27 pm  
 model: Sheet3  
 file: c:\cadd\ib\p\rstriegel\p\great\_lakes\02\403851\2001.172-rd-s-cdd3.dgn



Notes:  
For Construction Details Legend see Sheet DET-01.

All station / offset information on this sheet described from Ramp "43SBEX" except as shown.  
For geometric information see Geometric Layout Sheets.

See Sheet ID-01 for Intersection Details.

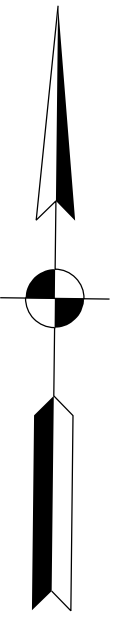
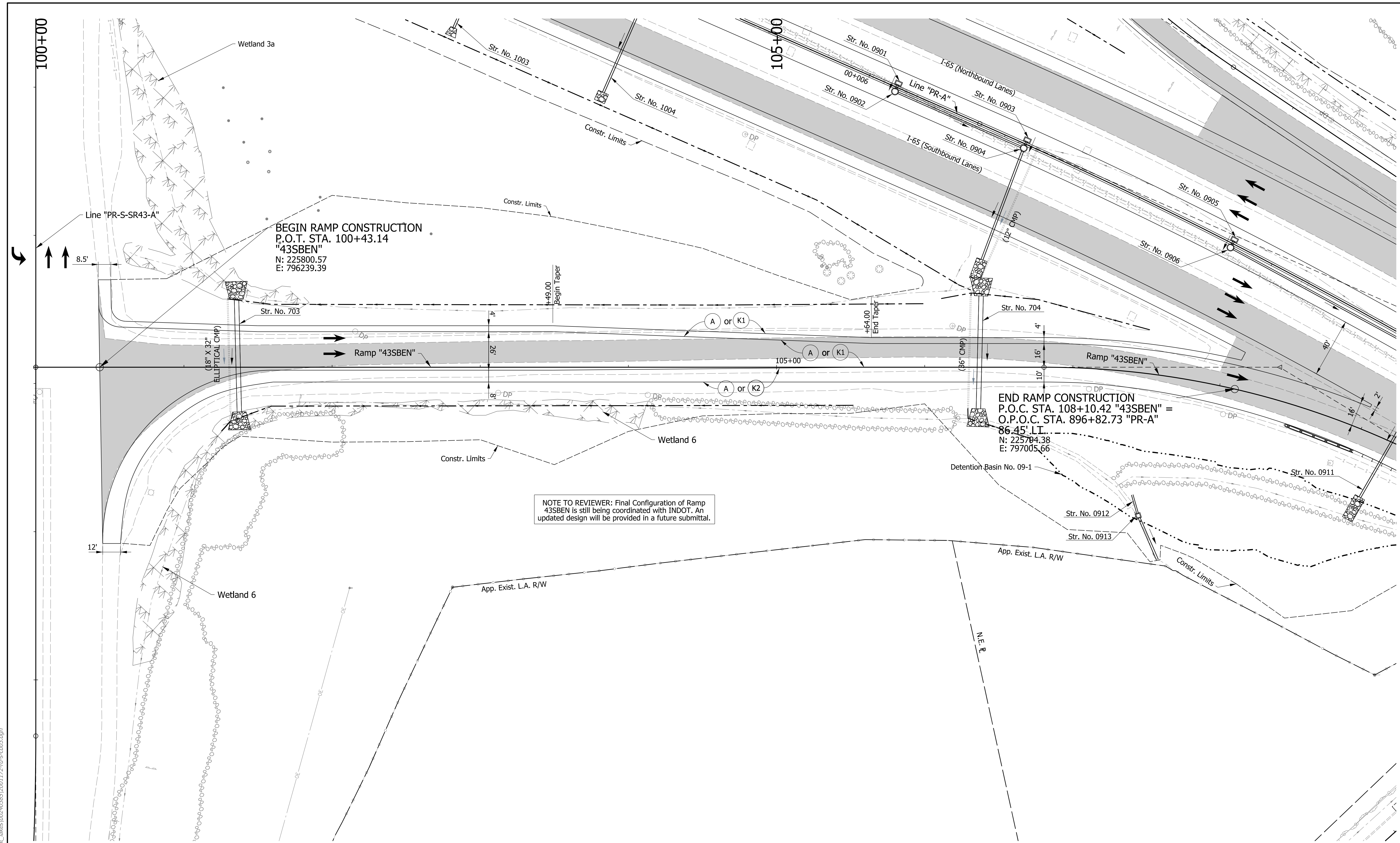
**DRAFT**  
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

INDIANA  
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS  
RAMP "43SBEX"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	212 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



NOTE TO REVIEWER: Final Configuration of Ramp 43SBEN is still being coordinated with INDOT. An updated design will be provided in a future submittal.

Notes:  
For Construction Details Legend see Sheet DET-01.

All station / offset information on this sheet described from Ramp "43SBEN" except as shown.  
For geometric information see Geometric Layout Sheets.

See Sheet ID-01 for Intersection Details.

**DRAFT**  
NOT FOR CONSTRUCTION

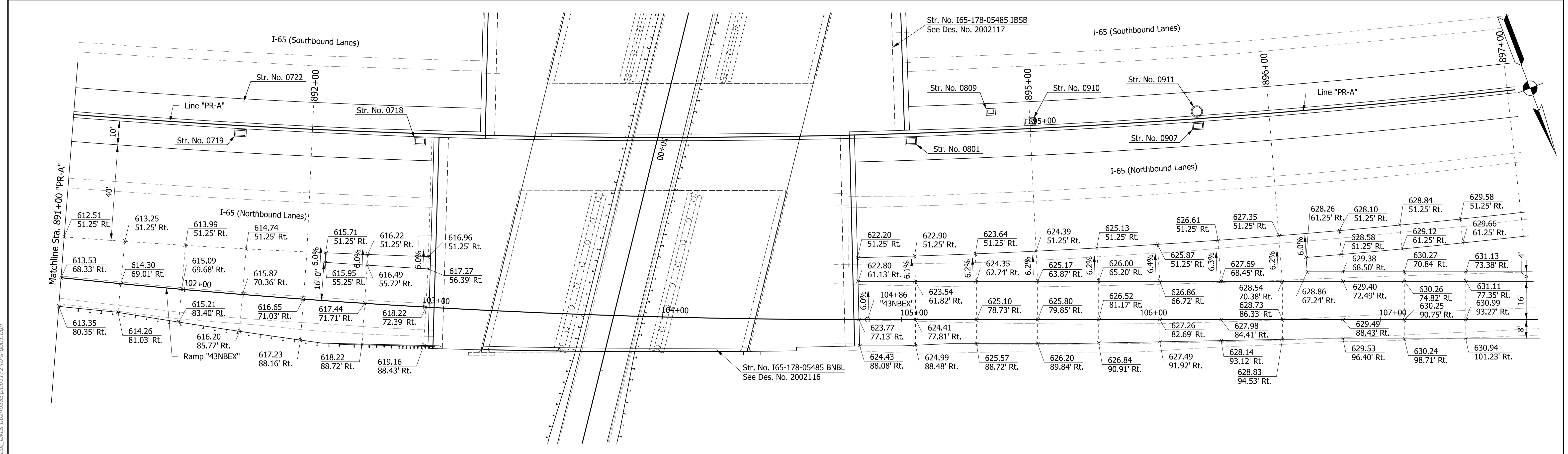
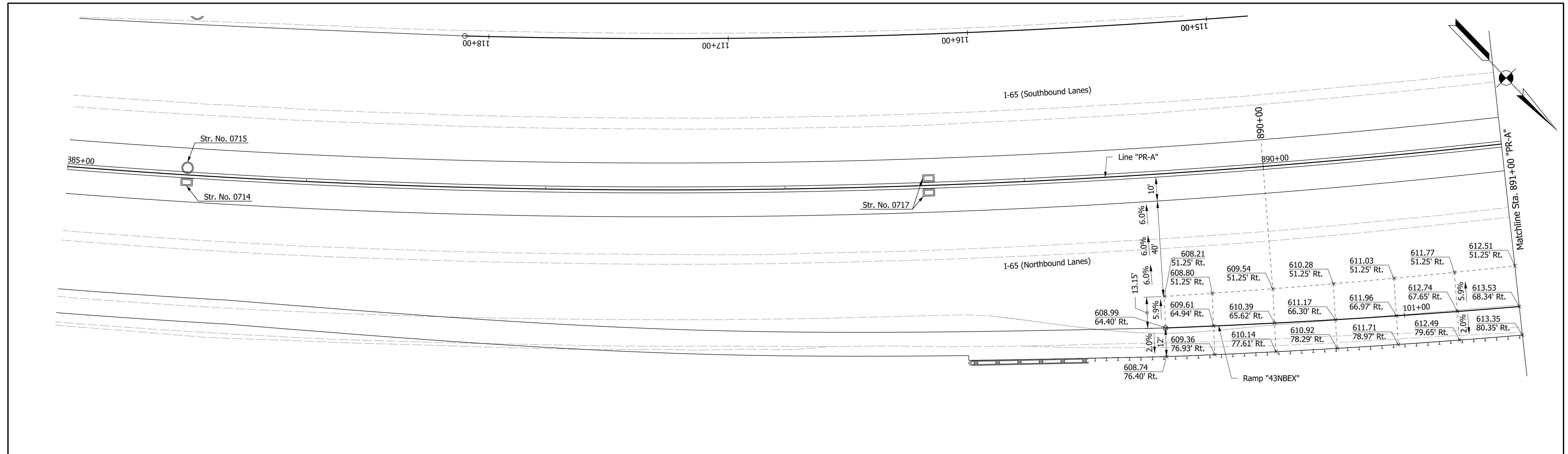
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JMA	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

INDIANA  
DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION DETAILS  
RAMP "43SBEN"**

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	213 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

rstriggeel  
 2/1/2021 5:24:29 pm  
 model: Sheets  
 file: c:\cadd\ib\pwr\striggeel\pwr\great\_lakes\02-403851\2001.172-rd-s-cd03.dgn



**Notes:**  
 Elevations and Offsets are spaced at 25' and described from Line "PR-A" unless otherwise noted.

**DRAFT**  
 NOT FOR CONSTRUCTION

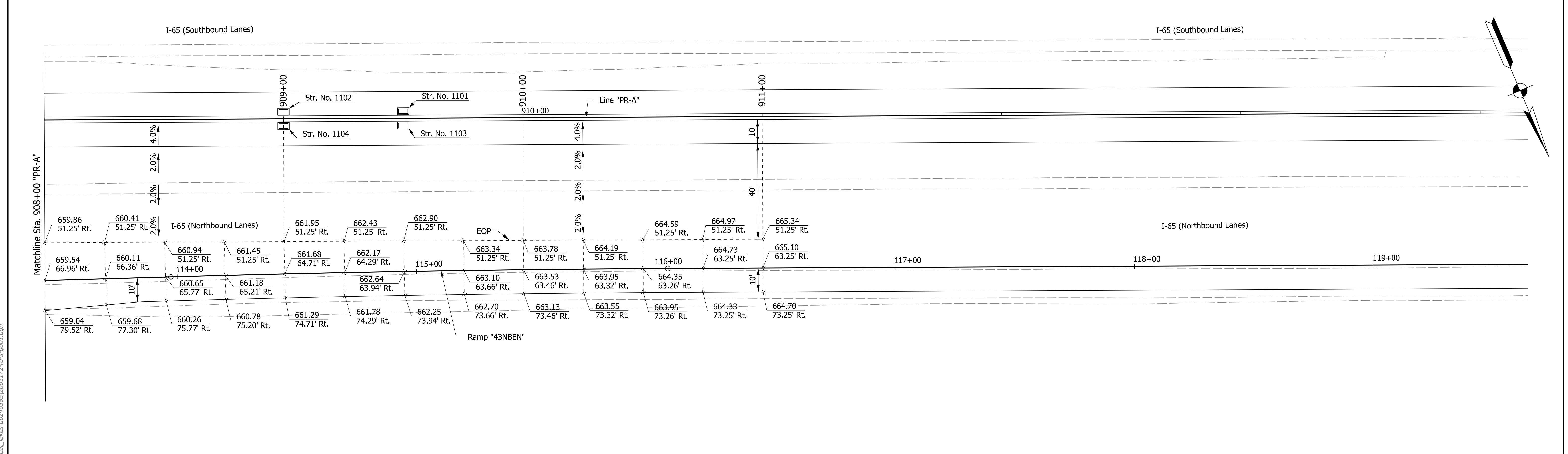
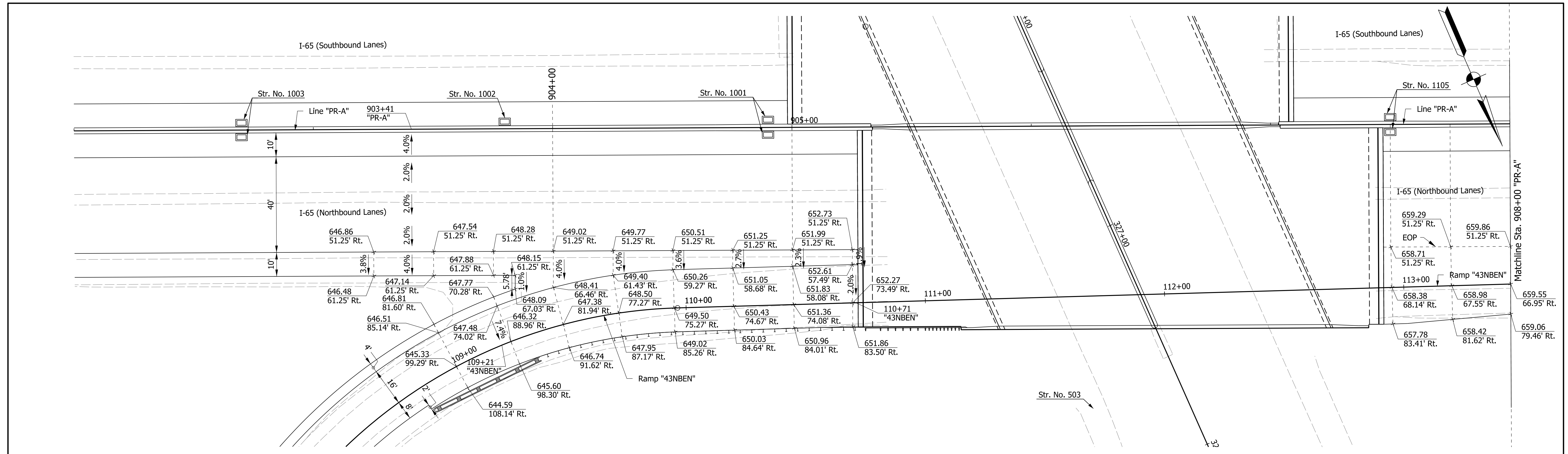
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: PRF	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

**INDIANA DEPARTMENT OF TRANSPORTATION**

**SPOT ELEVATIONS AND GORE DETAILS RAMP "43NBEX"**

HORIZONTAL SCALE 1"=20'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 2001172 & 2100049
SURVEY BOOK ELECTRONIC	SHEETS 214 of 531
CONTRACT R-42909	PROJECT 2001172 & 2100049

rstriegel  
 1/29/2021 6:21:33 pm  
 model:Sheet1  
 file: c:\cadd\ib\pwr\striegel\pwr\great\_lakes\002403851\2001172-rd-s-gor01.dgn



**Notes:**  
Elevations and Offsets are spaced at 25' and described from Line "PR-A" unless otherwise noted.

**DRAFT**  
NOT FOR CONSTRUCTION

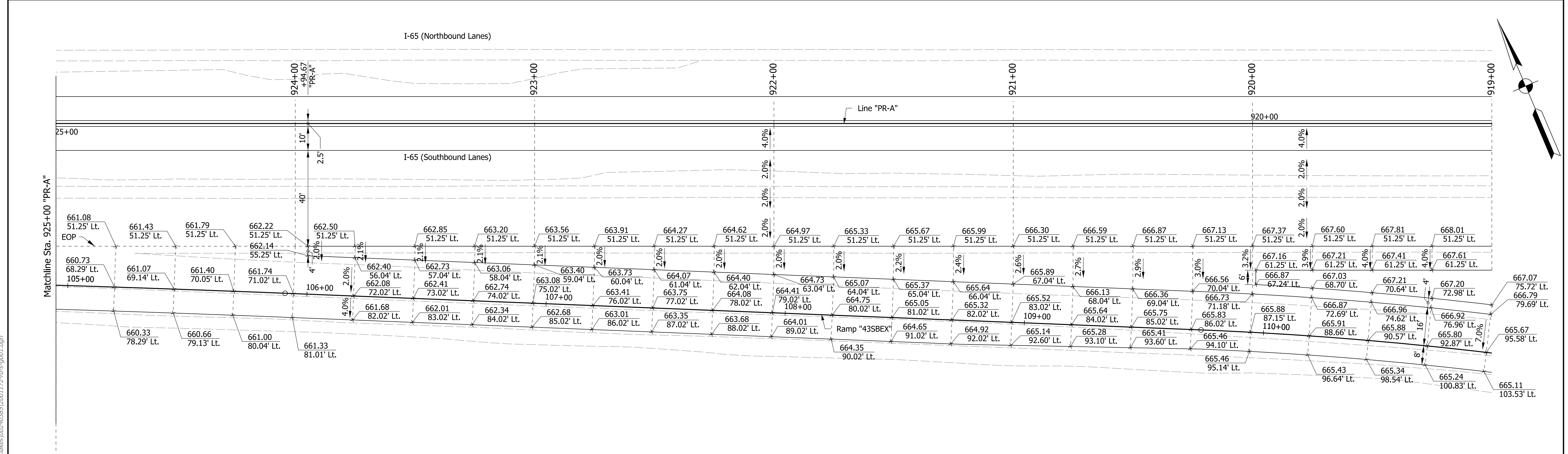
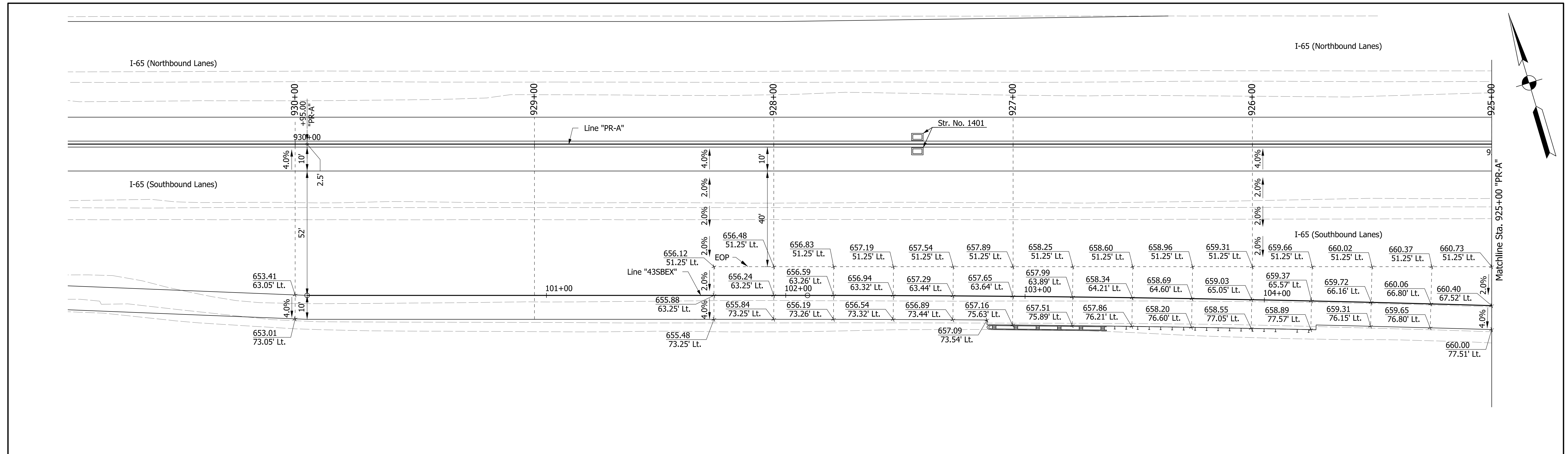
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ADR	DRAWN: JSB	
CHECKED: MKM	CHECKED: MKM	

INDIANA  
DEPARTMENT OF TRANSPORTATION

SPOT ELEVATIONS AND  
GORE DETAILS  
RAMP "43NBEN"

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	215 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

rstriegel  
 1/29/2021 6:21:35 pm  
 model-Sheet2  
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**Notes:**  
Elevations and Offsets are spaced at 25' and described from Line "PR-A" unless otherwise noted.

**DRAFT**  
NOT FOR CONSTRUCTION

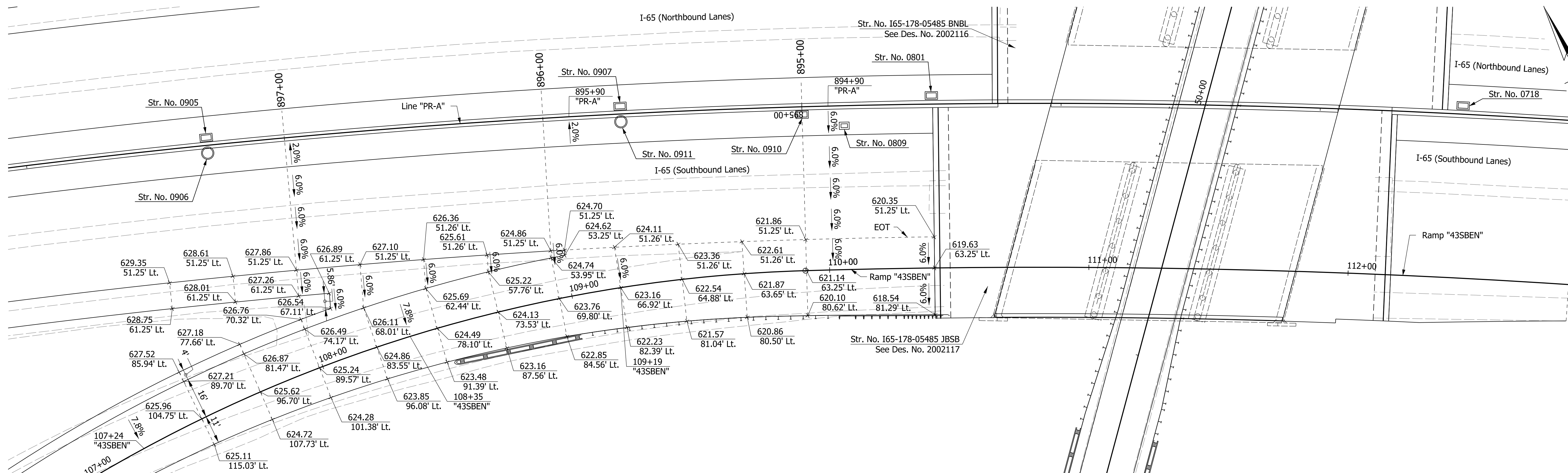
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ ADR _____	DRAWN: _____ JSB _____	
CHECKED: _____ MKM _____	CHECKED: _____ MKM _____	

**INDIANA DEPARTMENT OF TRANSPORTATION**

**SPOT ELEVATIONS AND GORE DETAILS RAMP "43SBEX"**

HORIZONTAL SCALE	BRIDGE FILE	
1"=20'	N/A	
VERTICAL SCALE	DESIGNATION	
N/A	2001172 & 2100049	
SURVEY BOOK	SHEETS	GD-03
ELECTRONIC	216 of	531
CONTRACT	PROJECT	
R-42909	2001172 & 2100049	

jsburton 9/1/2020 3:45:12 pm  
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 file: c:\cadd\ib\p\jsburton\grate\akes\002-40385\2001172-rd-s-gd01.dgn



**Notes:**  
 Elevations and Offsets are spaced at 25' and described from Line "PR-A" unless otherwise noted.

**DRAFT**  
 NOT FOR CONSTRUCTION

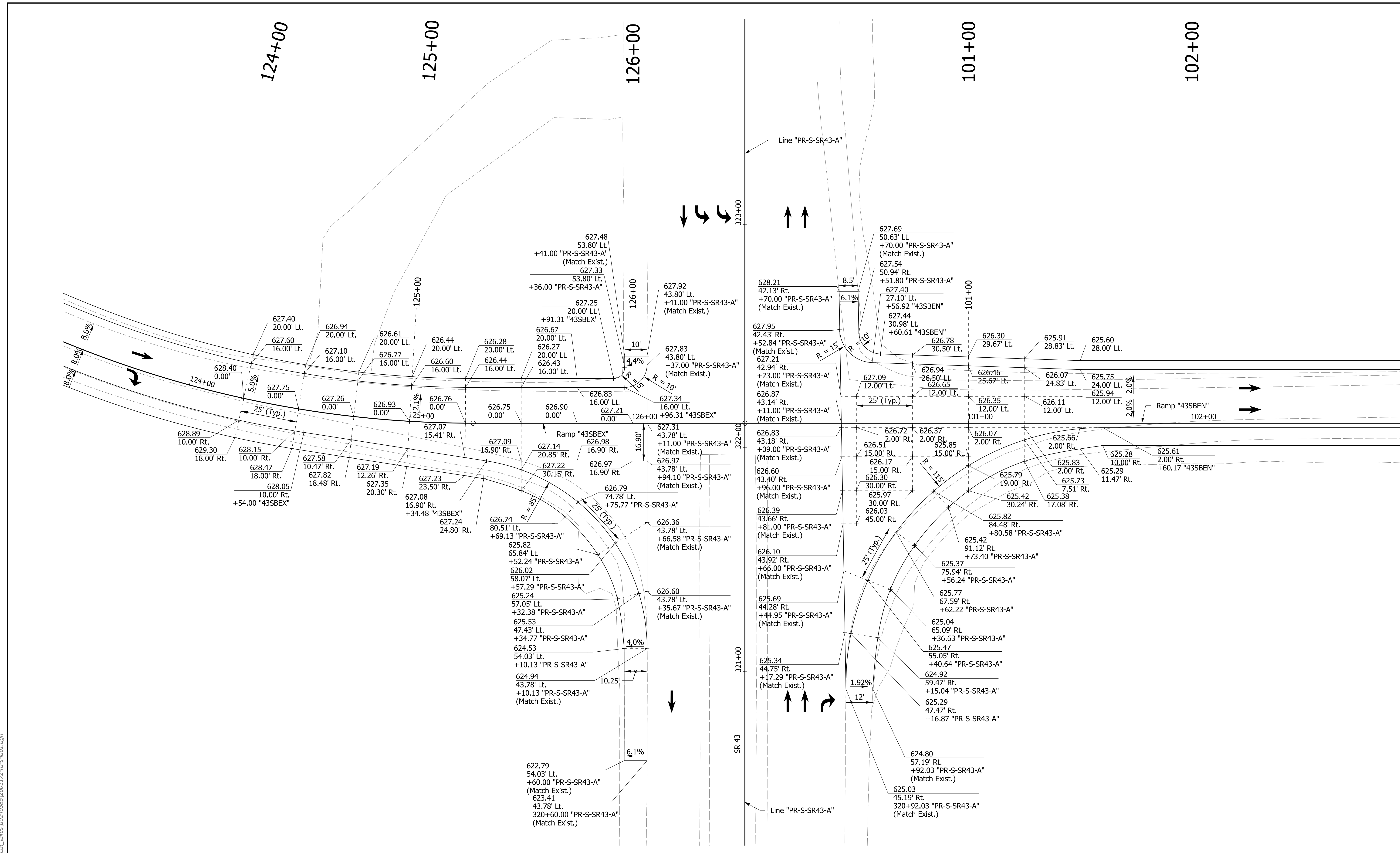
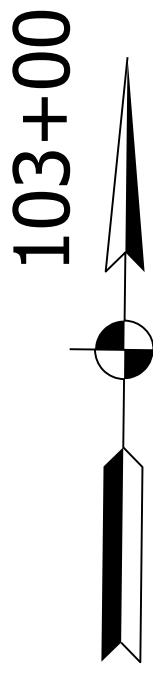
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ PRF _____	DRAWN: _____ JSB _____	
CHECKED: _____ MKM _____	CHECKED: _____ MKM _____	

**INDIANA DEPARTMENT OF TRANSPORTATION**

**SPOT ELEVATIONS AND GORE DETAILS RAMP "43SBEN"**

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	217 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

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 model: Sheet4  
 file: c:\cadd\ib\pwr\striegel\pwr\great\_lakes\02-40385\2001.172-rd-s-gd01.dgn



Notes:  
Spot Elevations are spaced at 25' unless otherwise noted.

**DRAFT**  
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MKM	DRAWN: JSB	
CHECKED: MDC	CHECKED: MKM	

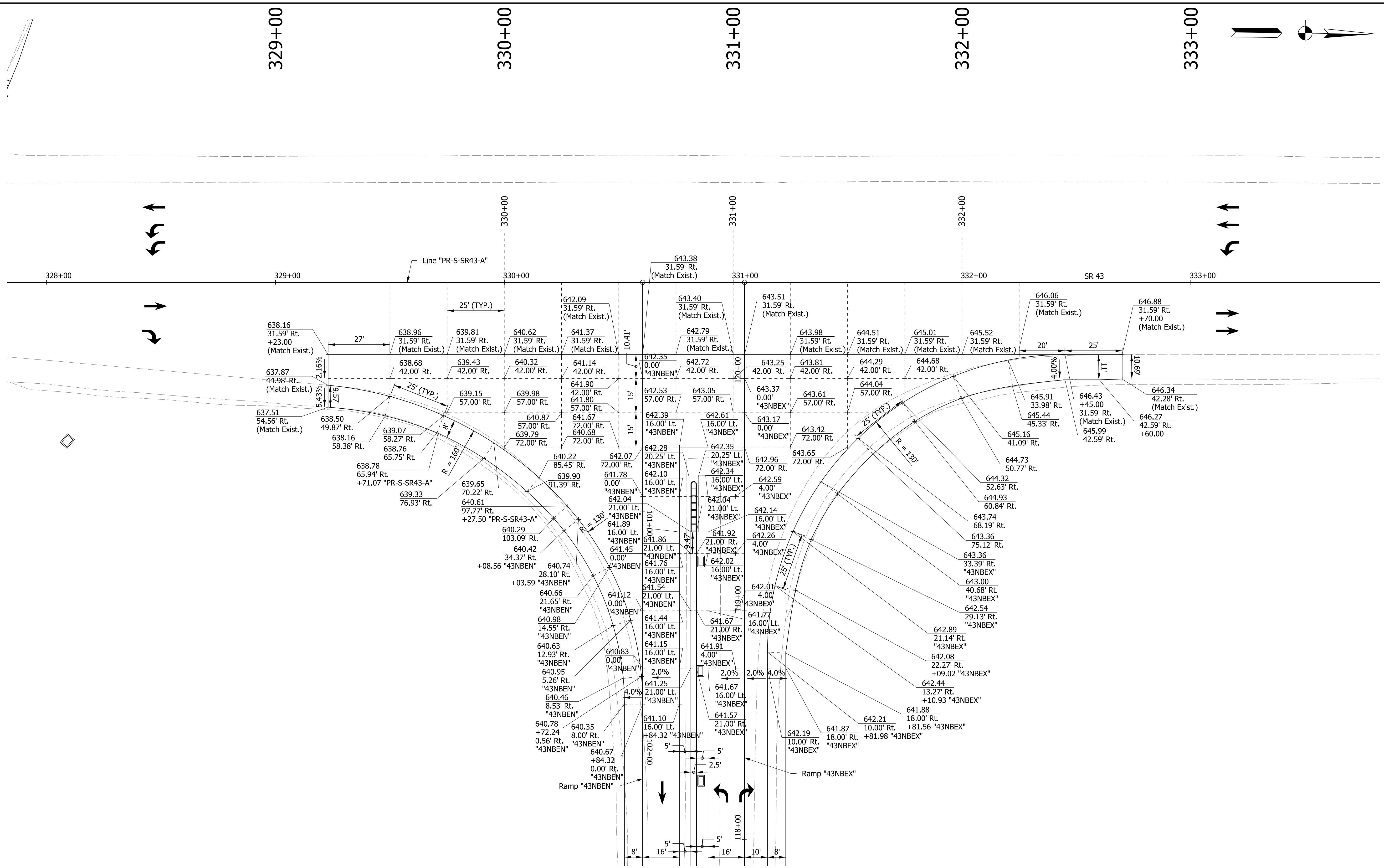
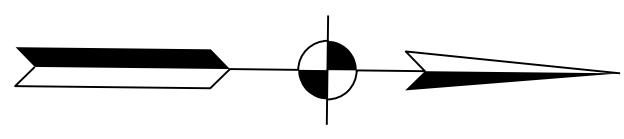
INDIANA  
DEPARTMENT OF TRANSPORTATION

SPOT ELEVATIONS AND  
INTERSECTION DETAILS  
LINE "PR-S-SR43-A"/RAMP "43SBEN"/RAMP "43SBEX"

HORIZONTAL SCALE	BRIDGE FILE	
1"=20'	N/A	
VERTICAL SCALE	DESIGNATION	
N/A	2001172 & 2100049	
SURVEY BOOK	SHEETS	ID-01
ELECTRONIC	218	of 531
CONTRACT	PROJECT	
R-42909	2001172 & 2100049	

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 model:Sheet1  
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**Notes:**  
 Spot Elevations are spaced at 25' unless otherwise noted.  
 Offset information described from Line "PR-S-SR43-A"  
 unless otherwise noted.

**DRAFT**  
 NOT FOR CONSTRUCTION

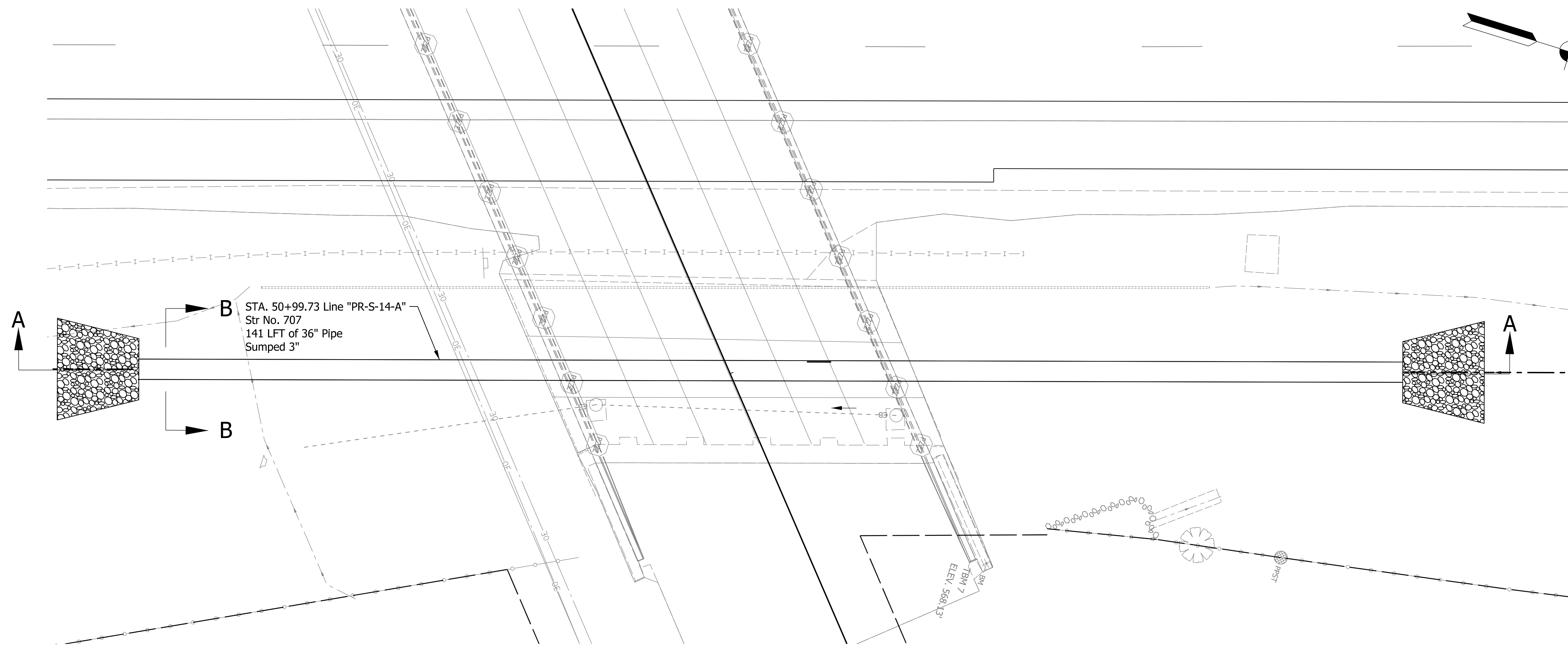
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MKM	DRAWN: JSB	
CHECKED: MDC	CHECKED: MKM	

INDIANA  
 DEPARTMENT OF TRANSPORTATION

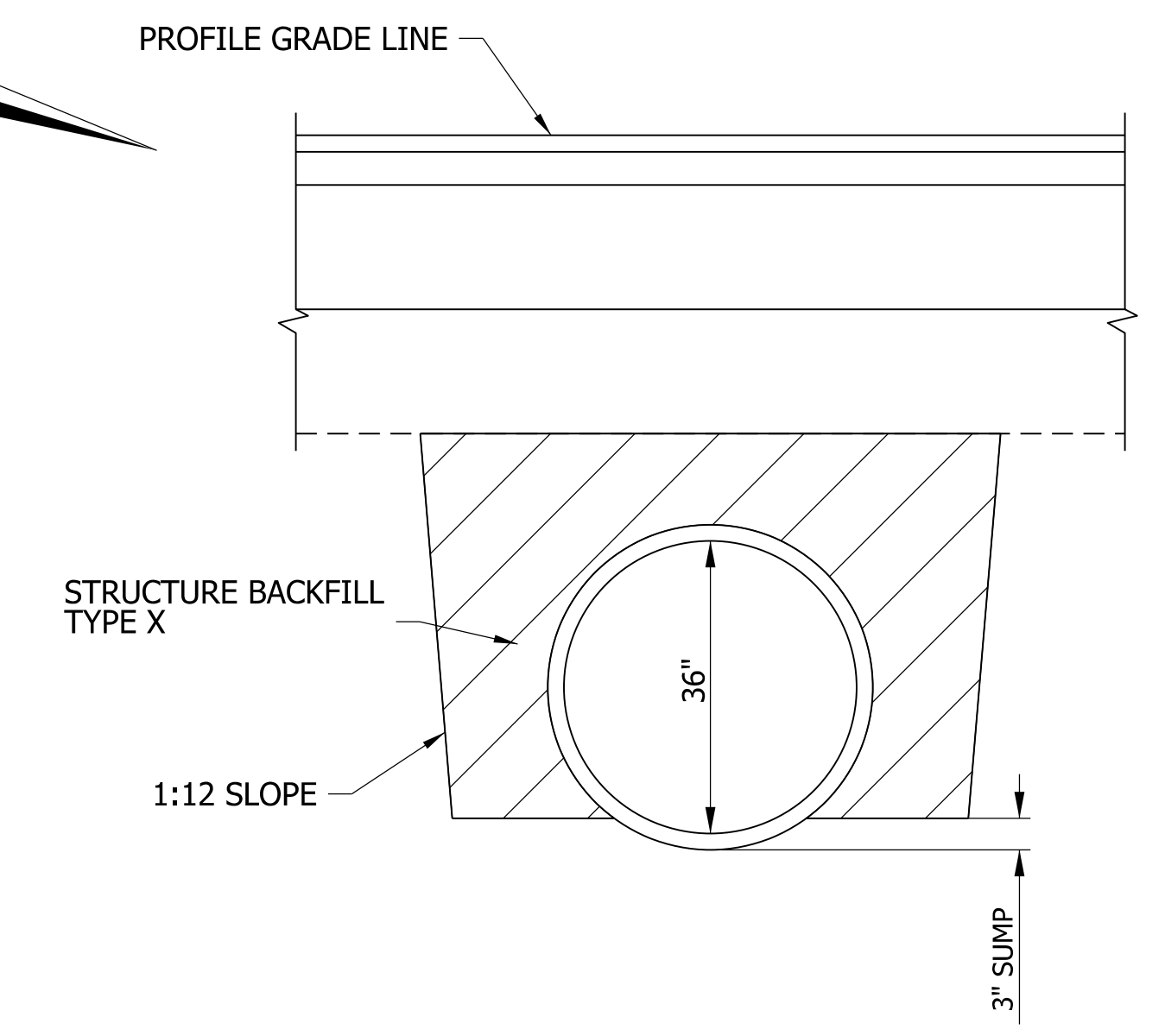
SPOT ELEVATIONS AND  
 INTERSECTION DETAILS  
 LINE "PR-S-SR43-A"/RAMP "NBEN"/RAMP "NBEX"

HORIZONTAL SCALE	BRIDGE FILE	
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VERTICAL SCALE	DESIGNATION	
N/A	2001172 & 2100049	
SURVEY BOOK	SHEETS	ID-02
ELECTRONIC	219	of 531
CONTRACT	PROJECT	
R-42909	2001172 & 2100049	

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 model-Sheet42  
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**PLAN**  
SCALE: 1" = 10'



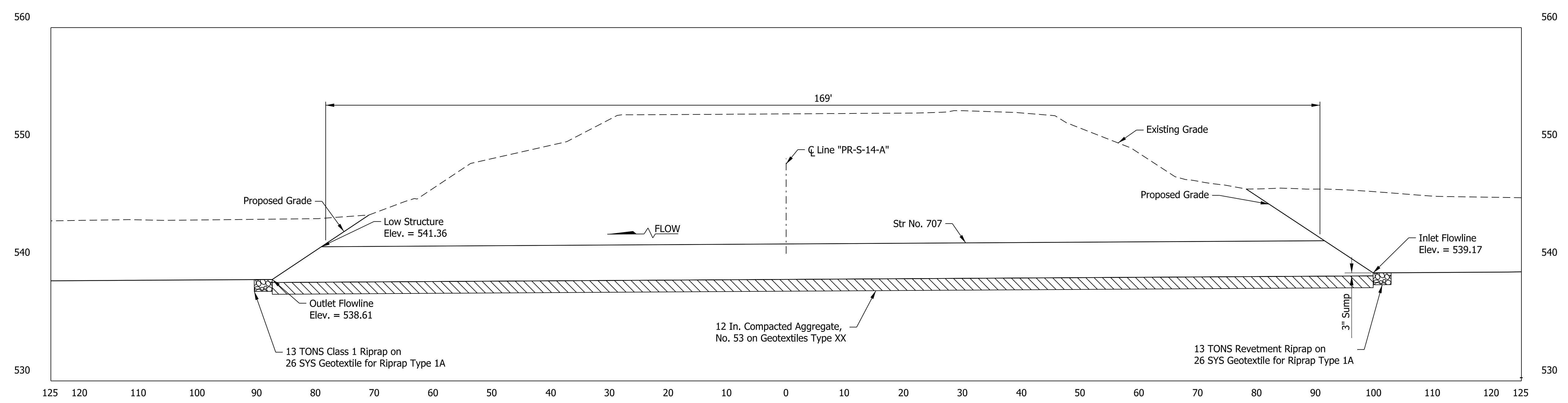
**SECTION B-B**  
N.T.S.

**HYDRAULIC DATA**

DRAINAGE AREA	XX.XX	ACRES
Q100 DISCHARGE	XX.XX	CFS
Q100 ELEVATION	XX.XX	FT
Q100 HEADWATER	XX.XX	FT
BACKWATER	XX.XX	FT
2% EP OUTLET VELOCITY	XX.XX	FPS

**EXISTING STRUCTURE**

EXISTING 18" CORRUGATED METAL PIPE, APPROXIMATELY 140' LONG, TO BE REMOVED



**SECTION A-A**  
SCALE: 1" = 20' V  
SCALE: 1" = 10' H

**NOTE TO REVIEWER:**  
Material under pipe to be confirmed after geotech report is complete.

**NOTE TO REVIEWER:**  
Hydraulic Data to be included in a later submission.

**NOTE TO REVIEWER:**  
Pavement design assumed to be asphalt for estimating purposes. Pavement design to be approved in a future submittal.

**DRAFT**  
NOT FOR CONSTRUCTION

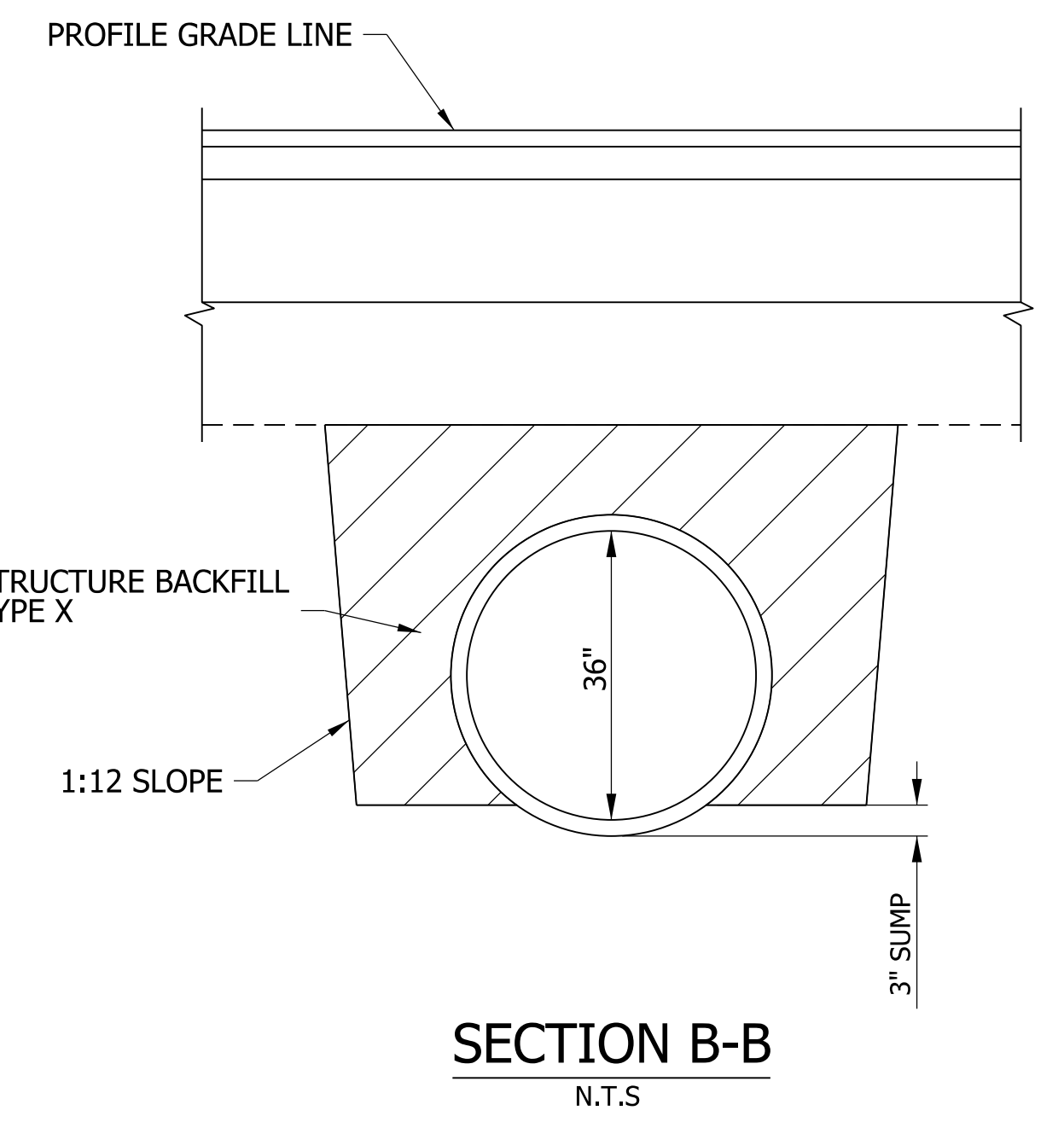
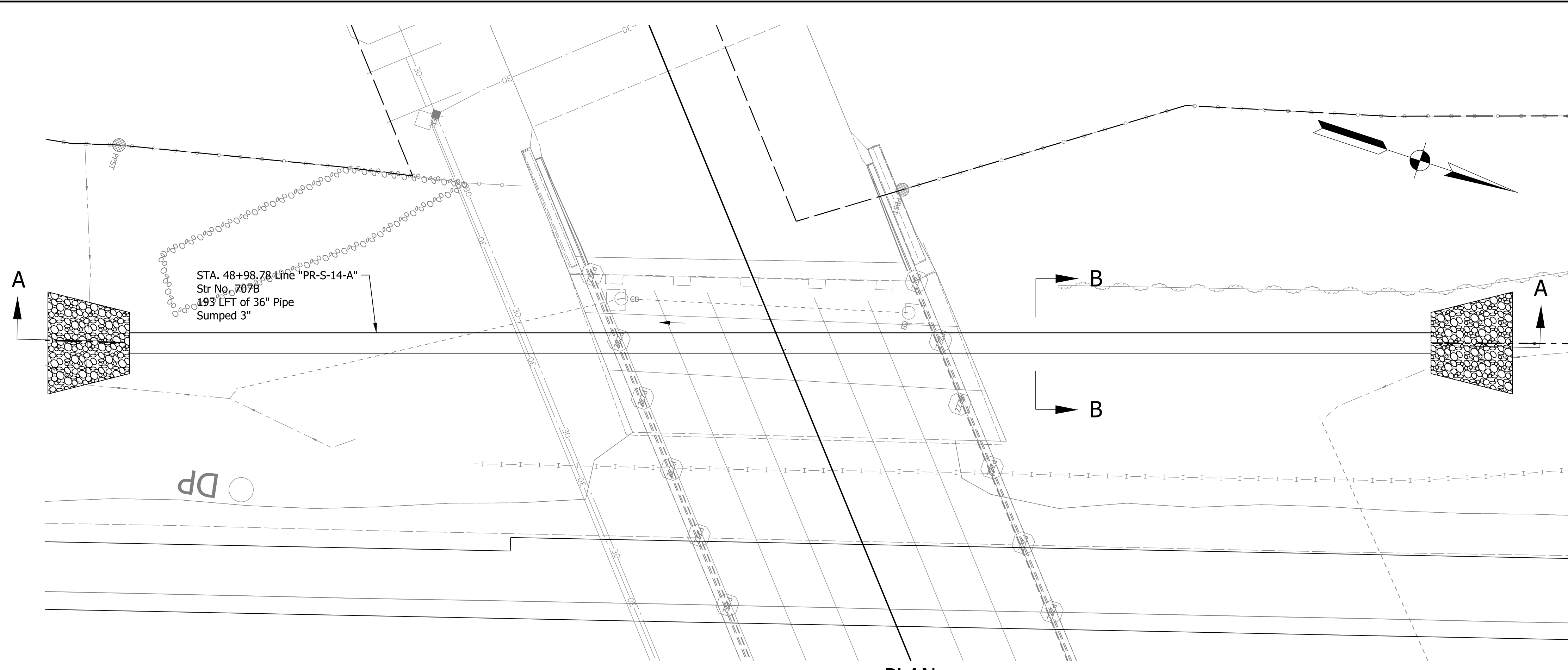
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RPW	DRAWN: RPW	
CHECKED: DJL	CHECKED: DJL	

INDIANA  
DEPARTMENT OF TRANSPORTATION

**STRUCTURE DETAILS**  
STR. NO. 707

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	220 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

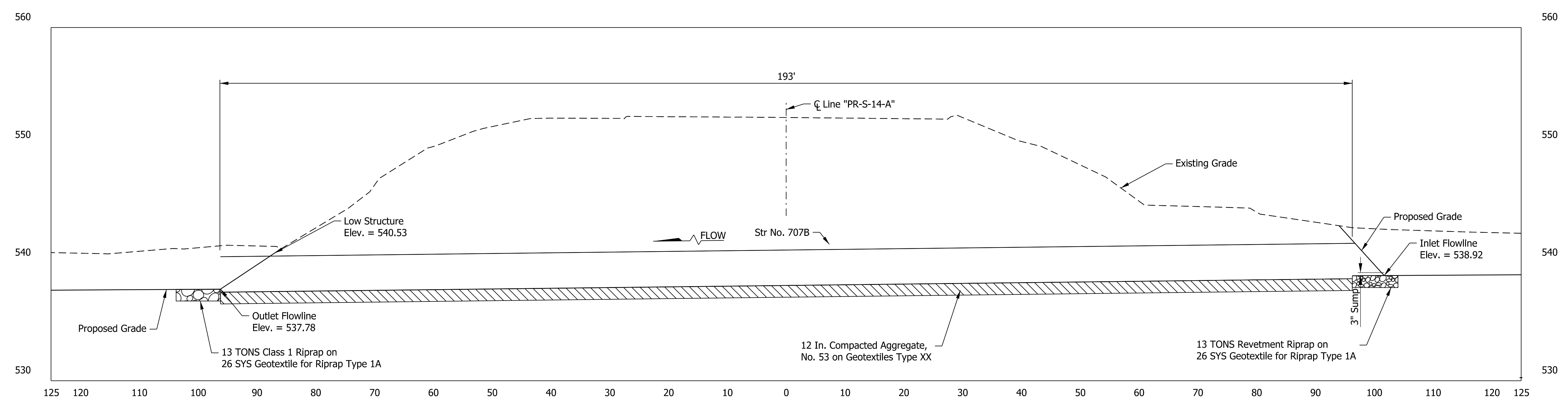
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 file:c:\cadd\ib\p\tr\regel\p\p\grat\_lakes\02\40384\2001172-rd-s-ss01.dgn



**HYDRAULIC DATA**

DRAINAGE AREA	XX.XX	ACRES
Q100 DISCHARGE	XX.XX	CFS
Q100 ELEVATION	XX.XX	FT
Q100 HEADWATER	XX.XX	FT
BACKWATER	XX.XX	FT
2% EP OUTLET VELOCITY	XX.XX	FPS

**EXISTING STRUCTURE**  
EXISTING 12" CORRUGATED METAL PIPE, APPROXIMATELY 59' LONG, TO BE REMOVED



**SECTION A-A**  
SCALE: 1" = 20' V  
SCALE: 1" = 10' H

**NOTE TO REVIEWER:**  
Material under pipe to be confirmed after geotech report is complete.

**NOTE TO REVIEWER:**  
Hydraulic Data to be included in a later submission.

**NOTE TO REVIEWER:**  
Pavement design assumed to be asphalt for estimating purposes. Pavement design to be approved in a future submittal.

**DRAFT**  
NOT FOR CONSTRUCTION

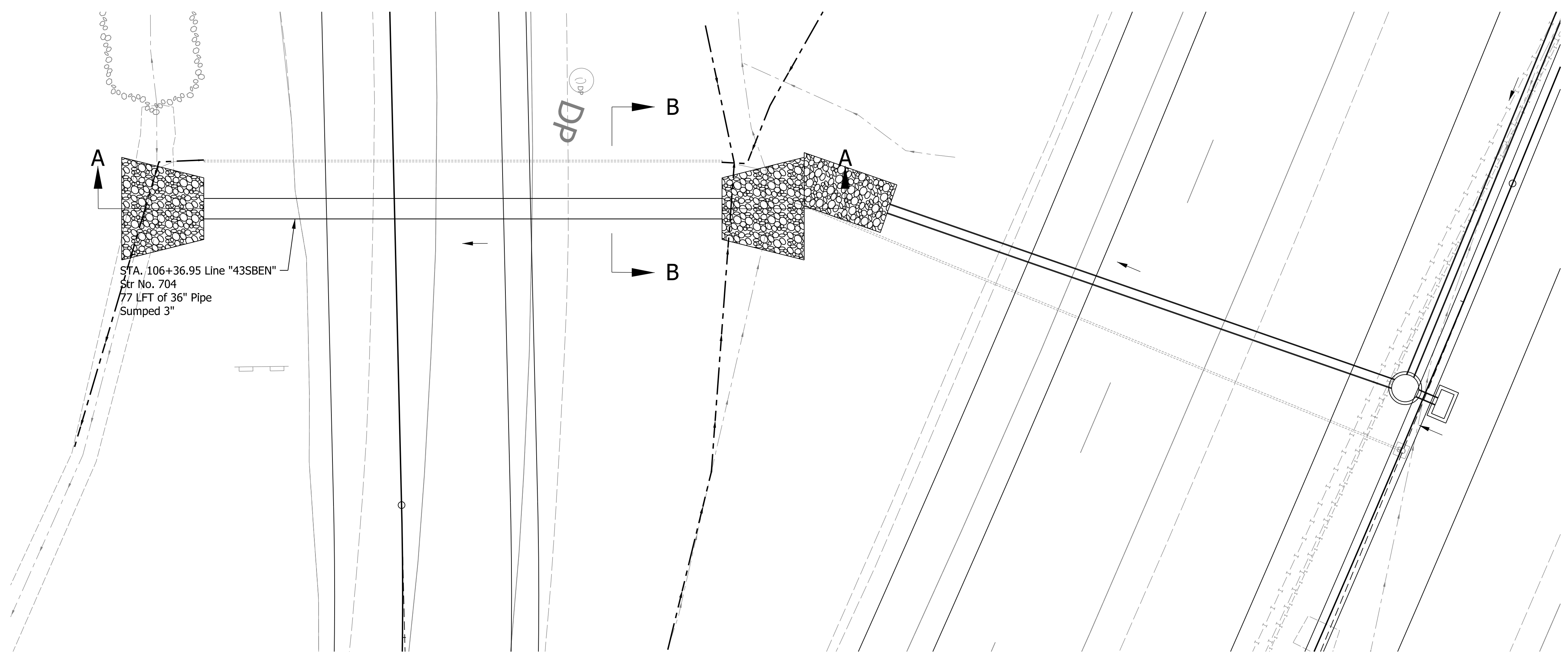
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RPW	DRAWN: RPW	
CHECKED: DJL	CHECKED: DJL	

INDIANA  
DEPARTMENT OF TRANSPORTATION

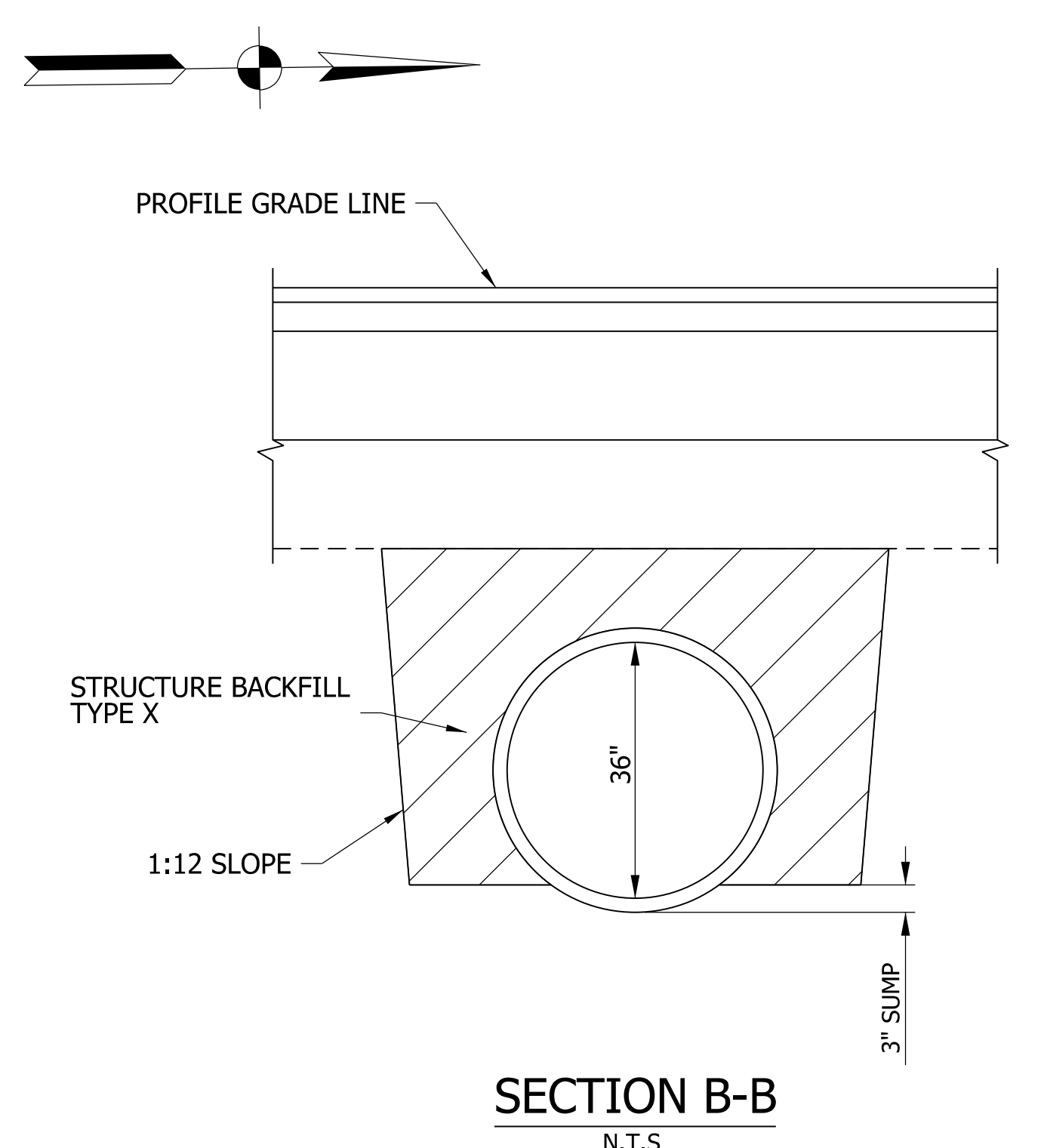
STRUCTURE DETAILS  
STR. NO. 707B

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	SSD-02
CONTRACT	221 of 531
R-42909	PROJECT
	2001172 & 2100049

rpwilliams  
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 model: Sheet13  
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**PLAN**  
SCALE: 1" = 10'



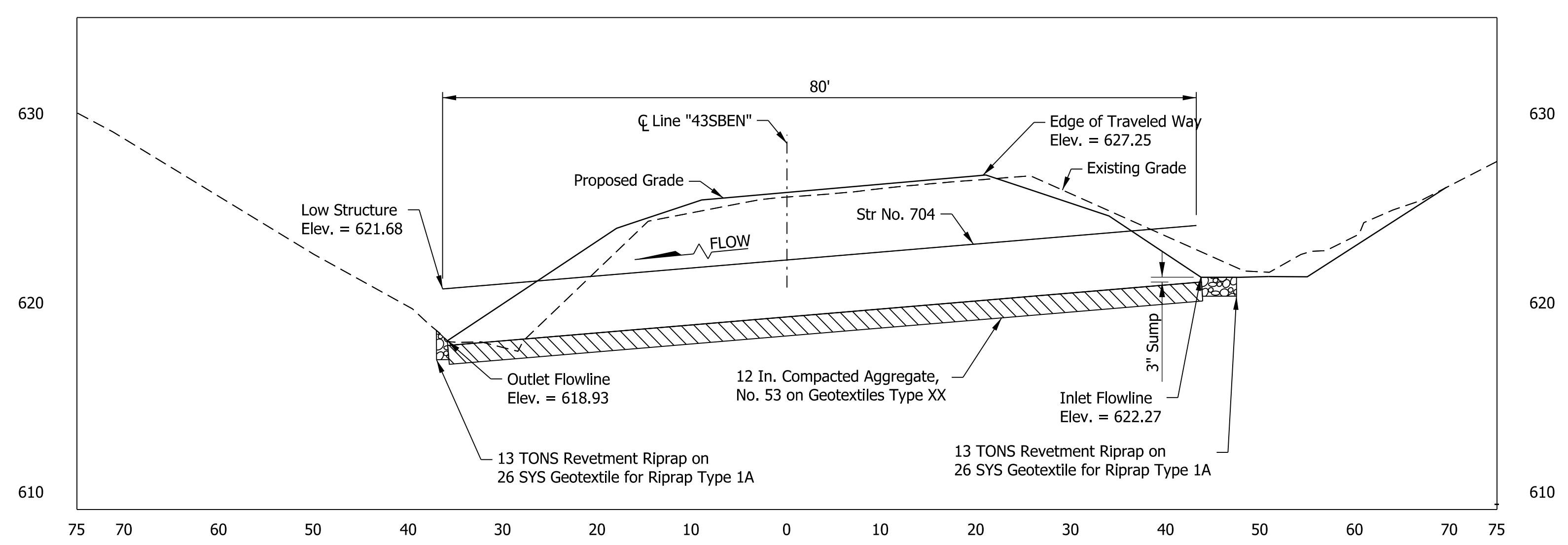
**SECTION B-B**  
N.T.S

**HYDRAULIC DATA**

DRAINAGE AREA	XX.XX	ACRES
Q100 DISCHARGE	XX.XX	CFS
Q100 ELEVATION	XX.XX	FT
Q100 HEADWATER	XX.XX	FT
BACKWATER	XX.XX	FT
2% EP OUTLET VELOCITY	XX.XX	FPS

**EXISTING STRUCTURE**

EXISTING 36" CORRUGATED METAL PIPE, APPROXIMATELY 76' LONG, TO BE REMOVED



**SECTION A-A**  
SCALE: 1" = 20' V  
SCALE: 1" = 10' H

**NOTE TO REVIEWER:**  
Material under pipe to be confirmed after geotech report is complete.

**NOTE TO REVIEWER:**  
Hydraulic Data to be included in a later submission.

**NOTE TO REVIEWER:**  
Pavement design assumed to be asphalt for estimating purposes. Pavement design to be approved in a future submittal.

**DRAFT**  
NOT FOR CONSTRUCTION

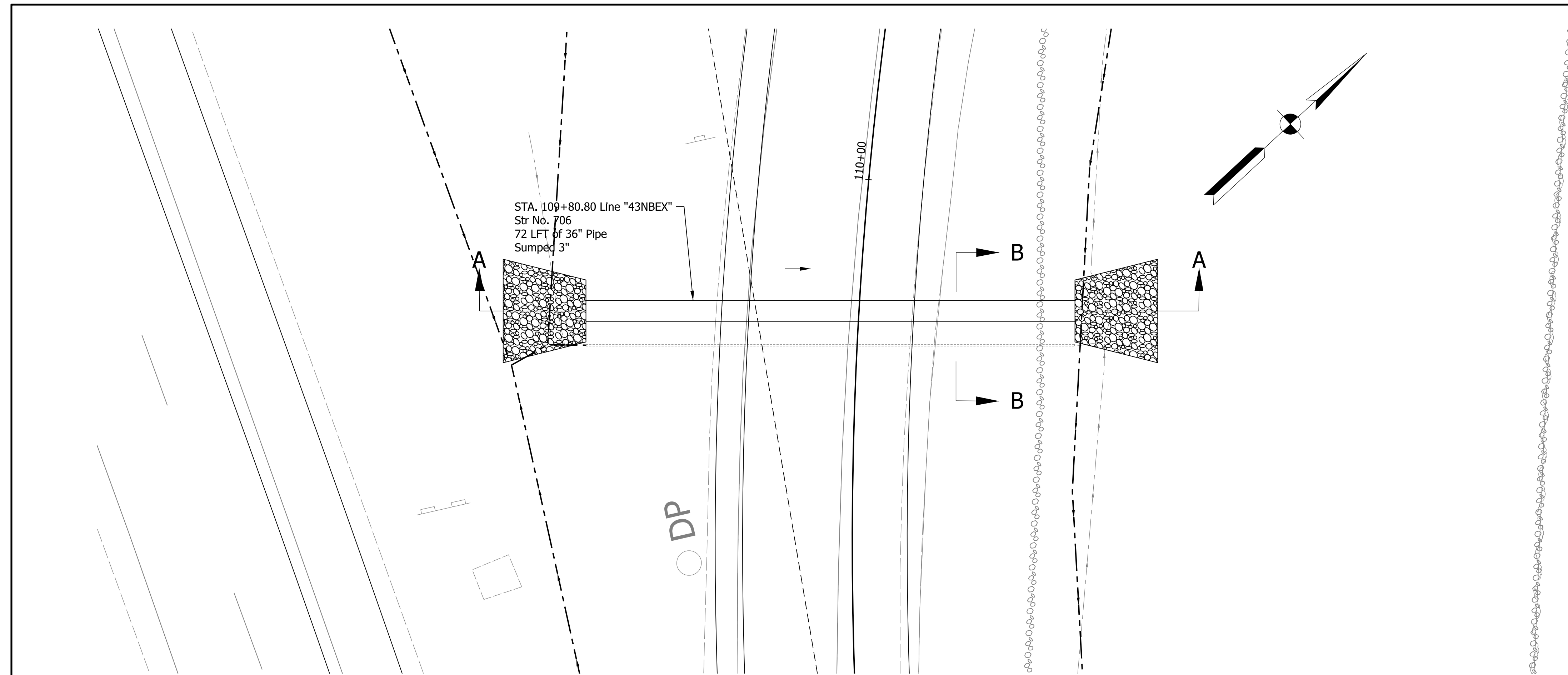
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ RPW _____	DRAWN: _____ RPW _____	
CHECKED: _____ DJL _____	CHECKED: _____ DJL _____	

INDIANA  
DEPARTMENT OF TRANSPORTATION

STRUCTURE DETAILS  
STR. NO. 704

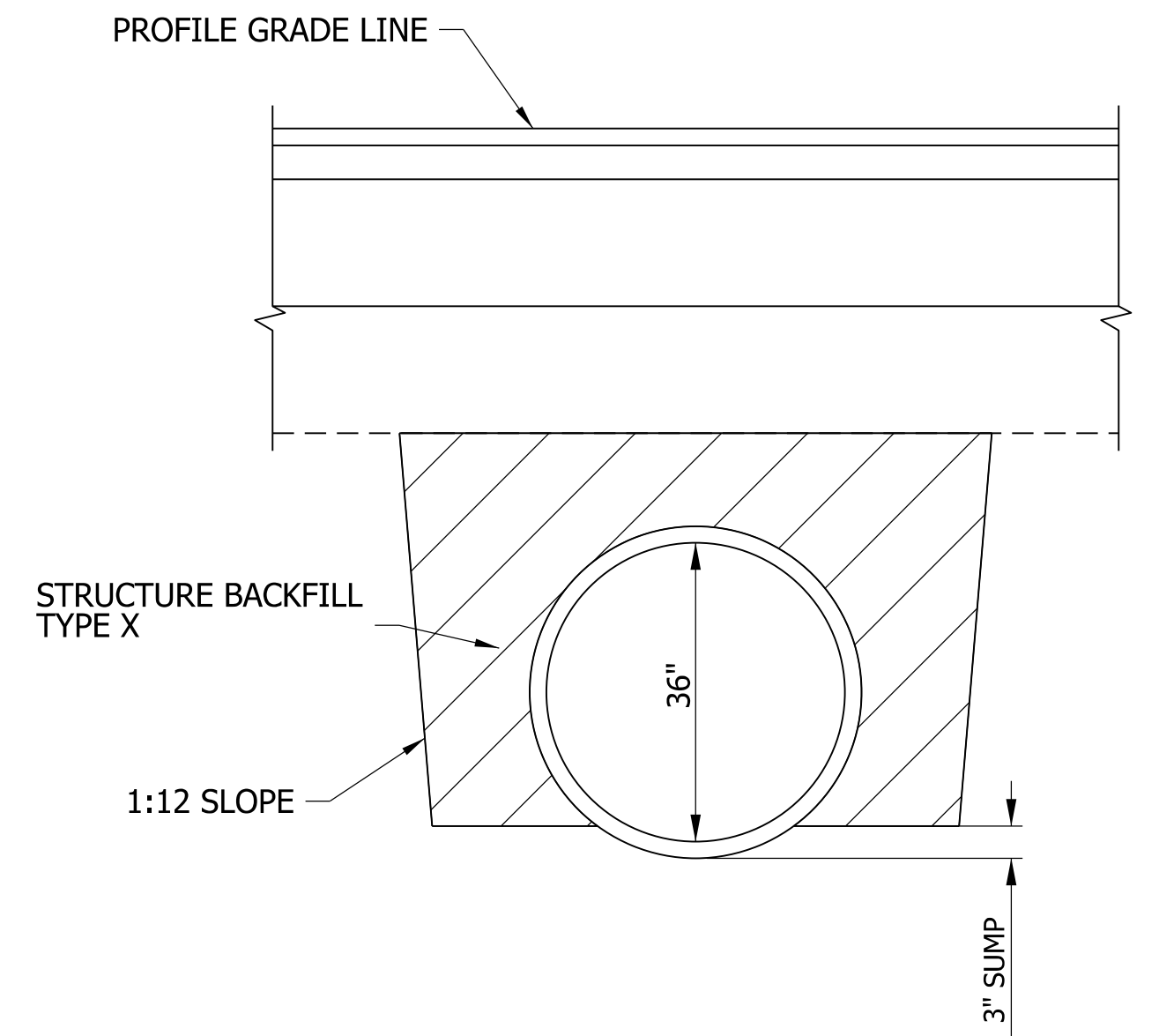
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1"=10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	222 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

rpwilliams  
 2/1/2021 10:24:56 pm  
 model:Sheet4  
 file:c:\cadd\ib\pwr\strigee\pwr\great\_lakes\p0240384\2001172-rd-s-ss001.dgn



STA. 109+80.80 Line "43NBEX"  
 Str No. 706  
 72 LFT of 36" Pipe  
 Sumped 3"

**PLAN**  
 SCALE: 1" = 10'



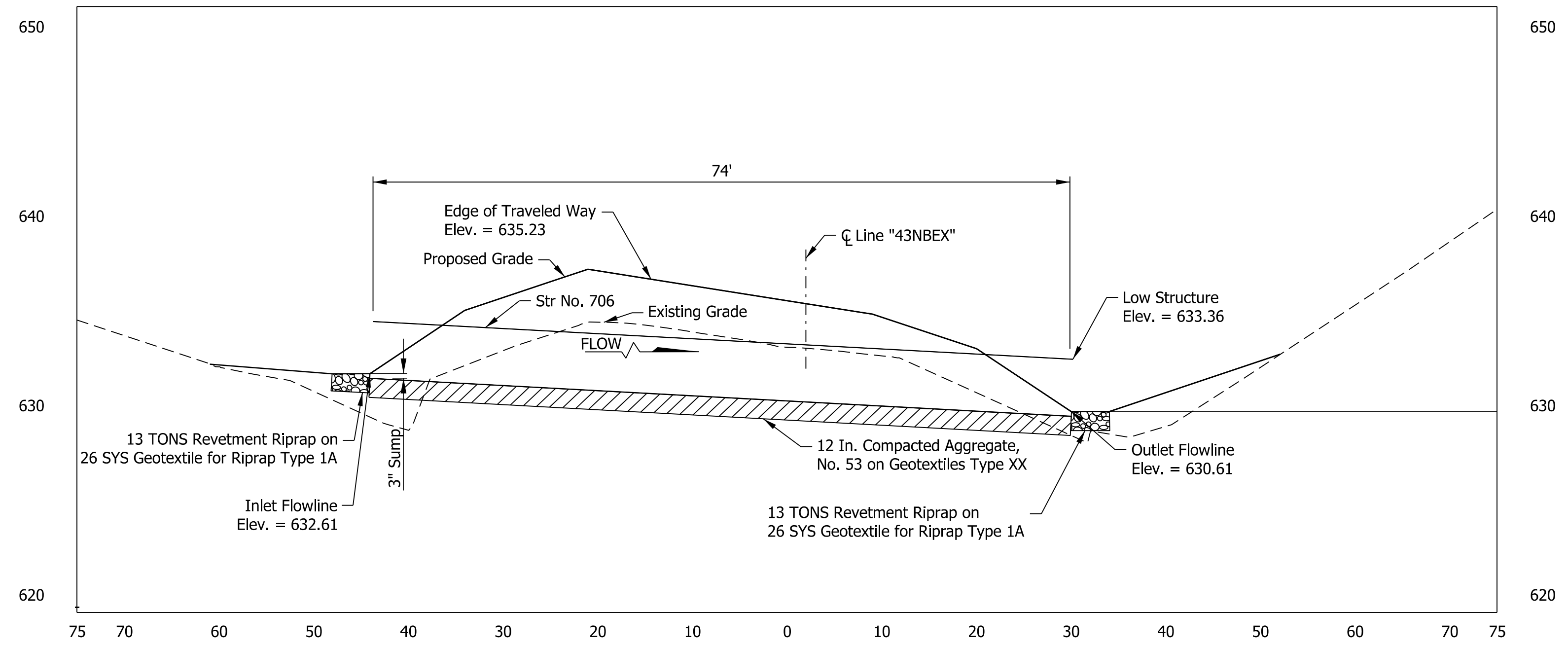
**SECTION B-B**  
 N.T.S.

**HYDRAULIC DATA**

DRAINAGE AREA	XX.XX	ACRES
Q100 DISCHARGE	XX.XX	CFS
Q100 ELEVATION	XX.XX	FT
Q100 HEADWATER	XX.XX	FT
BACKWATER	XX.XX	FT
2% EP OUTLET VELOCITY	XX.XX	FPS

**EXISTING STRUCTURE**

EXISTING 24" CORRUGATED METAL PIPE, APPROXIMATELY 71' LONG, TO BE REMOVED



**SECTION A-A**  
 SCALE: 1" = 20' V  
 SCALE: 1" = 10' H

**NOTE TO REVIEWER:**  
 Material under pipe to be confirmed after geotech report is complete.

**NOTE TO REVIEWER:**  
 Hydraulic Data to be included in a later submission.

**NOTE TO REVIEWER:**  
 Pavement design assumed to be asphalt for estimating purposes. Pavement design to be approved in a future submittal.

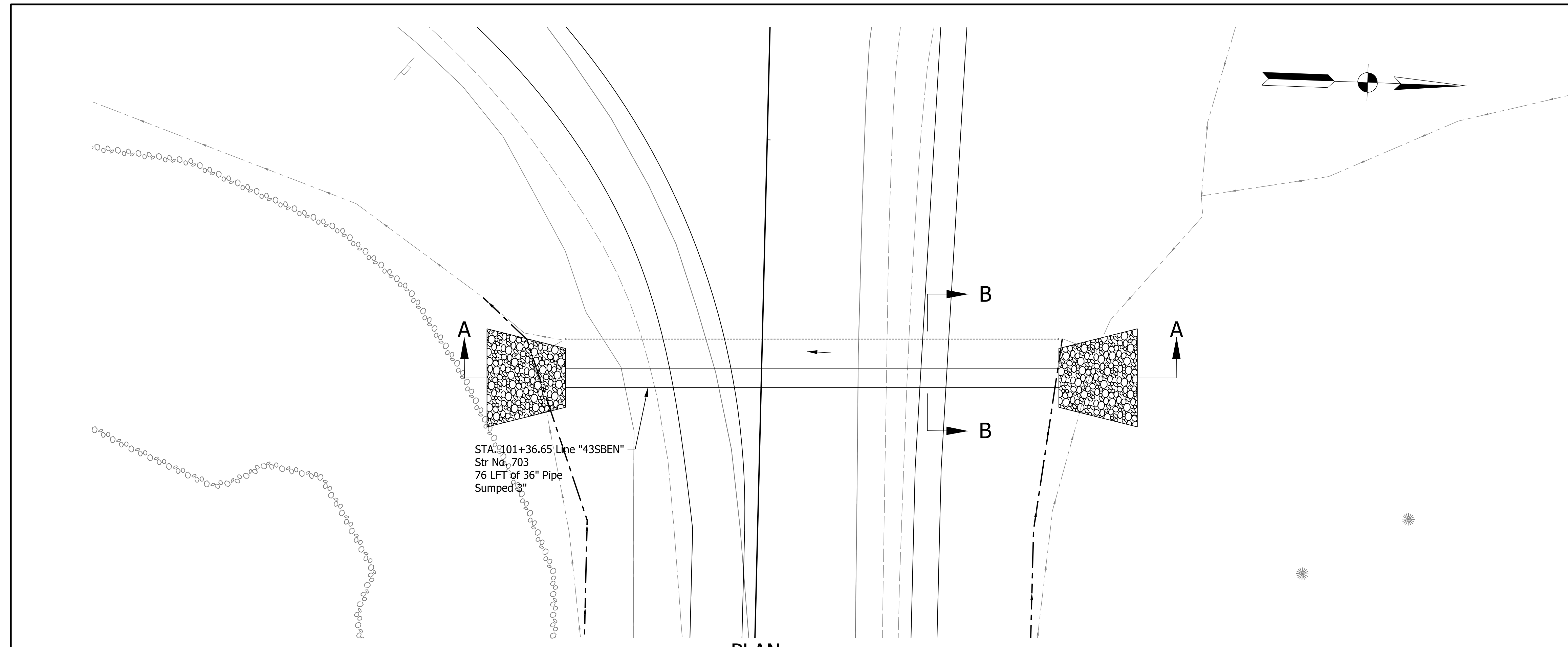
**DRAFT**  
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ RPW _____	DRAWN: _____ RPW _____	
CHECKED: _____ DJL _____	CHECKED: _____ DJL _____	

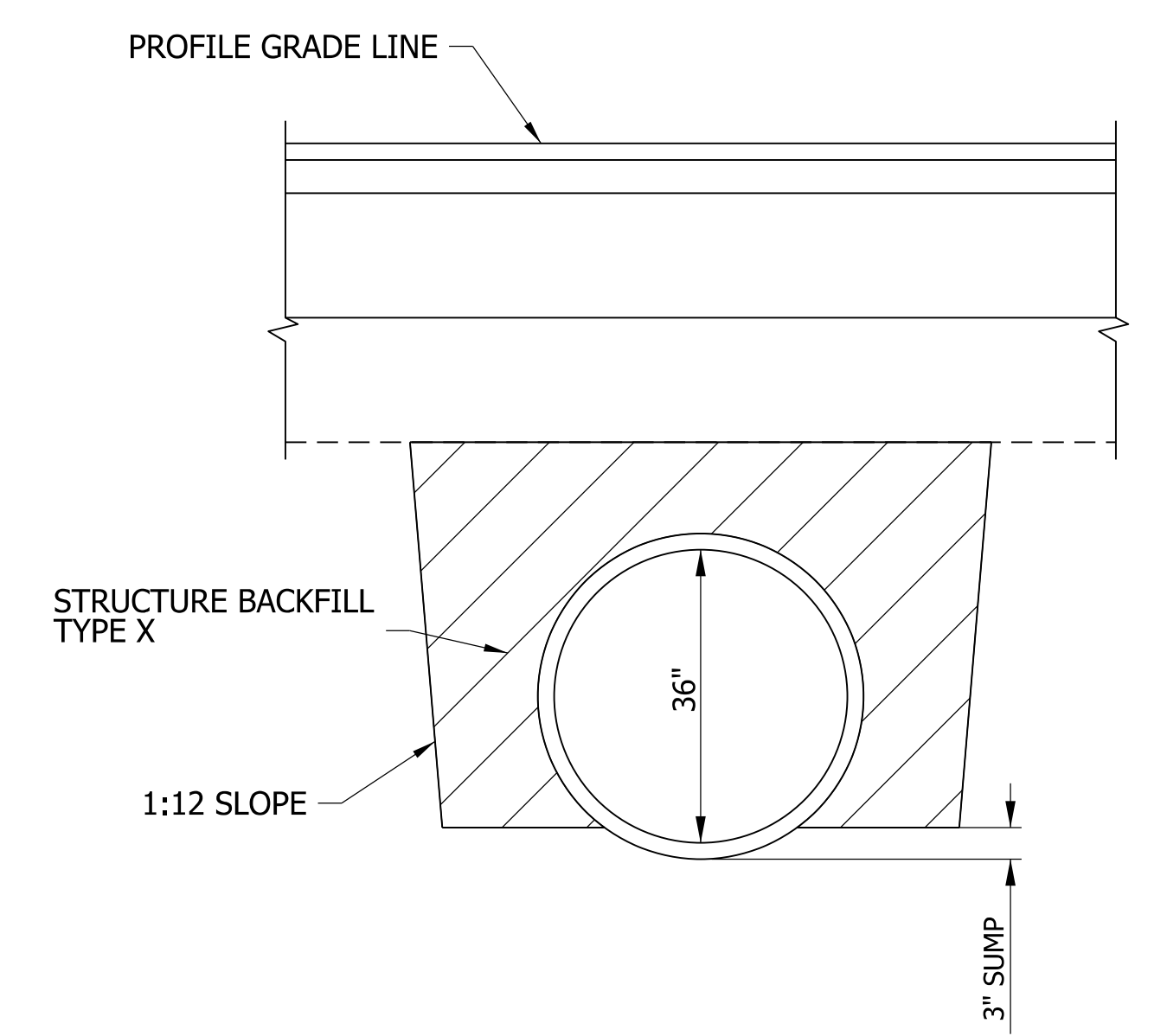
INDIANA  
 DEPARTMENT OF TRANSPORTATION  
  
 STRUCTURE DETAILS  
 STR. NO. 706

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	SSD-04
CONTRACT	223 of 531
R-42909	PROJECT
	2001172 & 2100049

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 model: Sheets5  
 file: c:\cadd\ib\pwr\str\regel\pwr\great\_lakes\p0240384\2001172-rd-s-ss001.dgn



**PLAN**  
SCALE: 1" = 10'

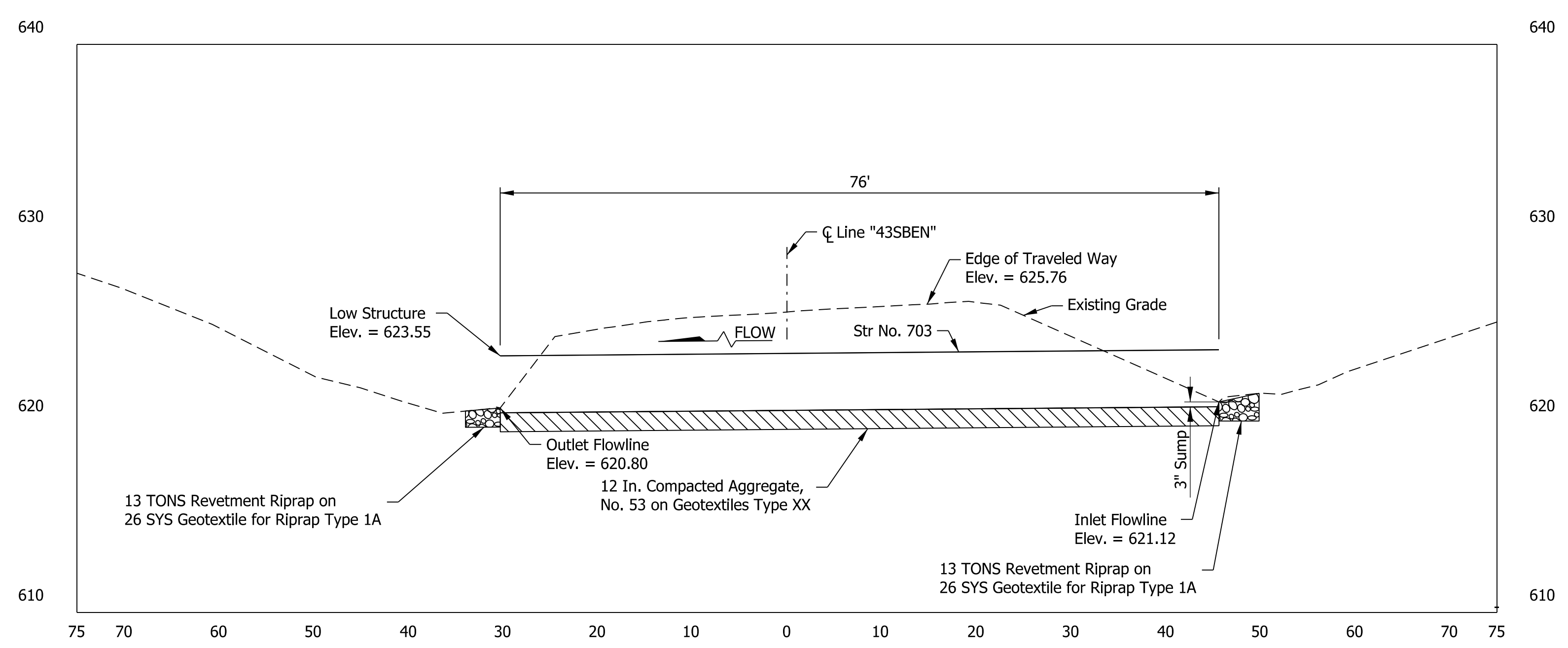


**SECTION B-B**  
N.T.S

**HYDRAULIC DATA**

DRAINAGE AREA	XX.XX	ACRES
Q100 DISCHARGE	XX.XX	CFS
Q100 ELEVATION	XX.XX	FT
Q100 HEADWATER	XX.XX	FT
BACKWATER	XX.XX	FT
2% EP OUTLET VELOCITY	XX.XX	FPS

**EXISTING STRUCTURE**  
EXISTING 18" X 32" ELLIPTICAL CORRUGATED METAL PIPE, APPROXIMATELY 76' LONG, TO BE REMOVED



**SECTION A-A**  
SCALE: 1" = 20' V  
SCALE: 1" = 10' H

**NOTE TO REVIEWER:**  
Material under pipe to be confirmed after geotech report is complete.

**NOTE TO REVIEWER:**  
Hydraulic Data to be included in a later submission.

**NOTE TO REVIEWER:**  
Pavement design assumed to be asphalt for estimating purposes. Pavement design to be approved in a future submittal.

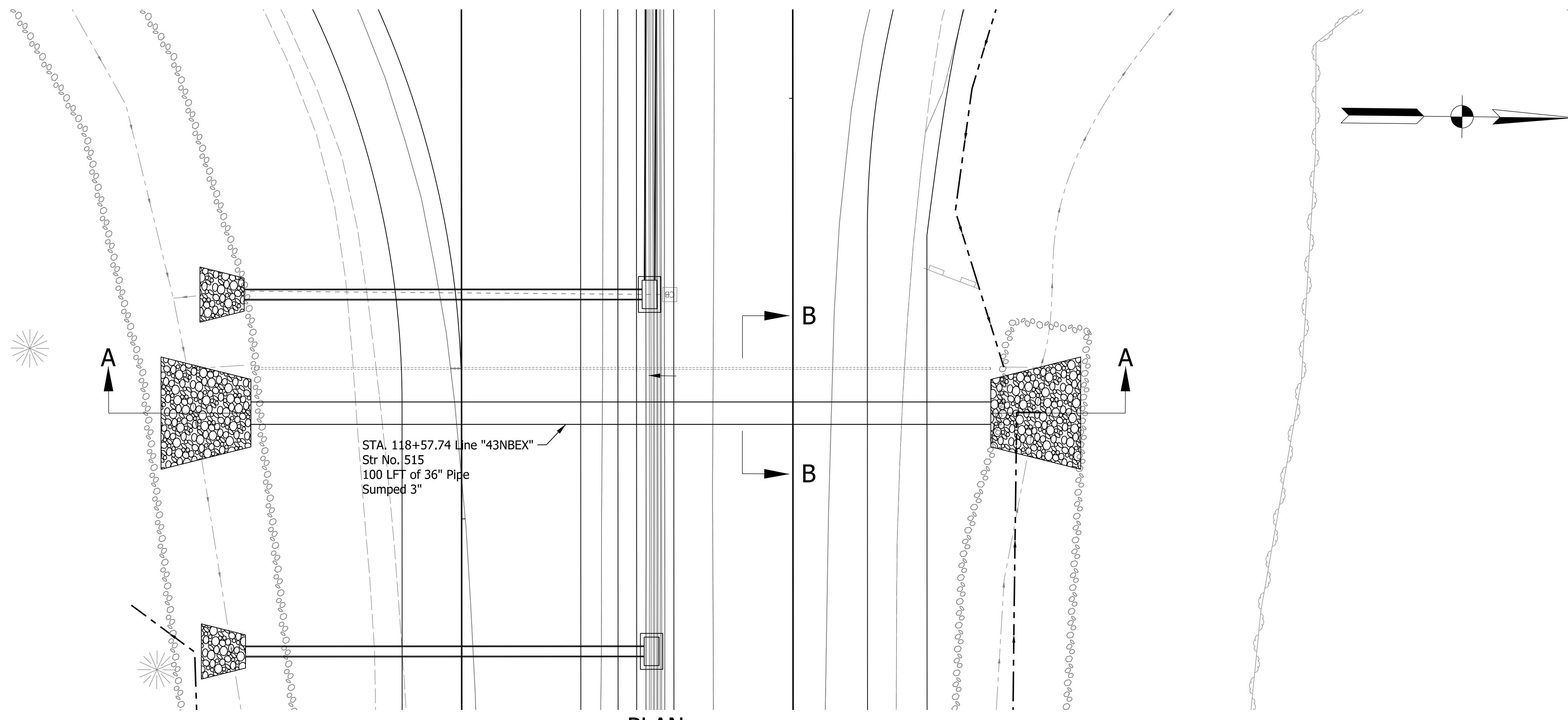
**DRAFT**  
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RPW	DRAWN: RPW	
CHECKED: DJL	CHECKED: DJL	

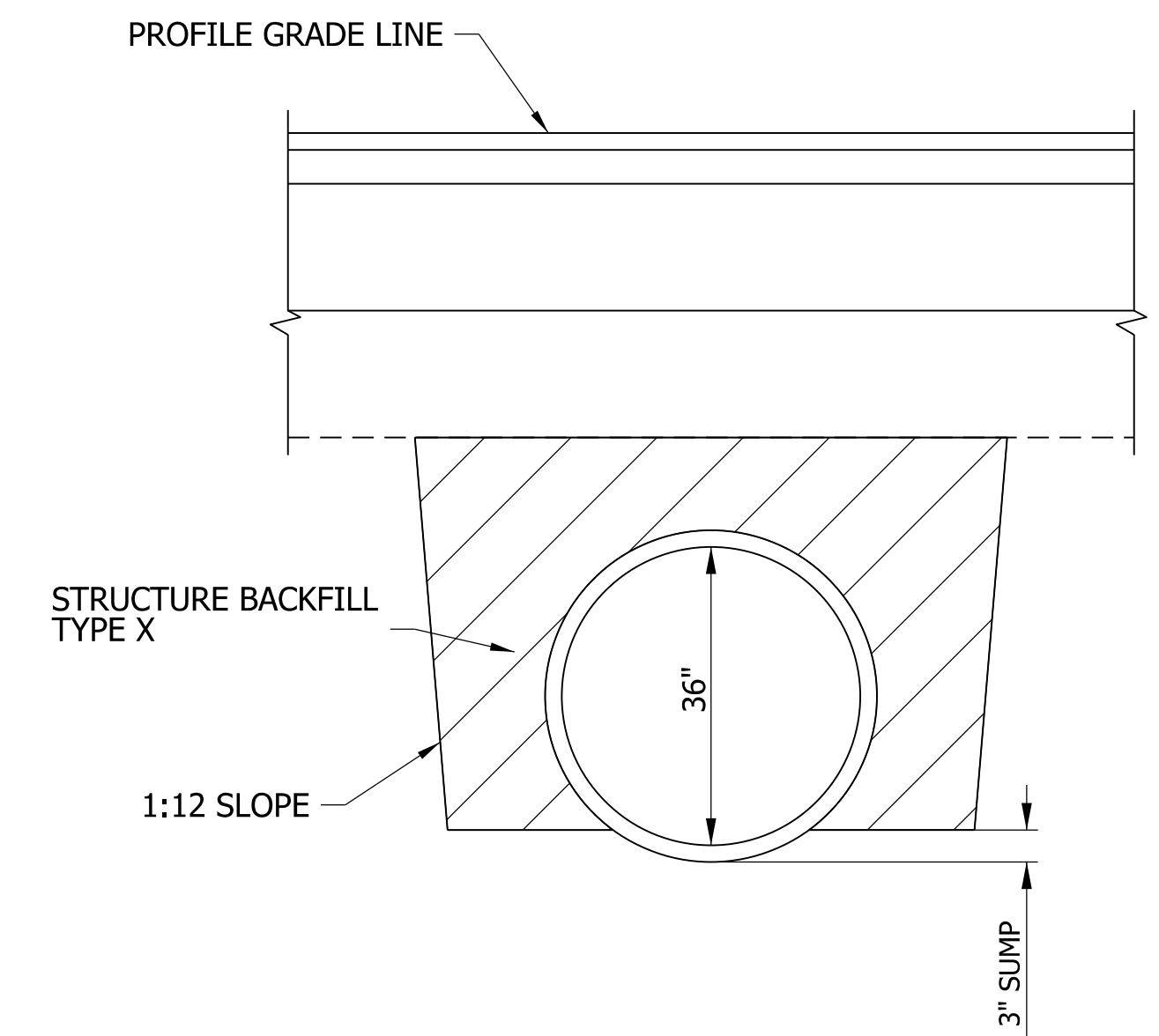
INDIANA DEPARTMENT OF TRANSPORTATION  
**STRUCTURE DETAILS STR. NO. 703**

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	SSD-05
CONTRACT	224 of 531
R-42909	PROJECT
	2001172 & 2100049

rpwilliams  
 2/1/2021 10:24:58 pm  
 model:Sheet7  
 file:c:\cadd\ib\p\tr\regel\p\p\great\_lakes\02-40384\2001.172-rd-s-ss01.dgn



**PLAN**  
SCALE: 1" = 10'



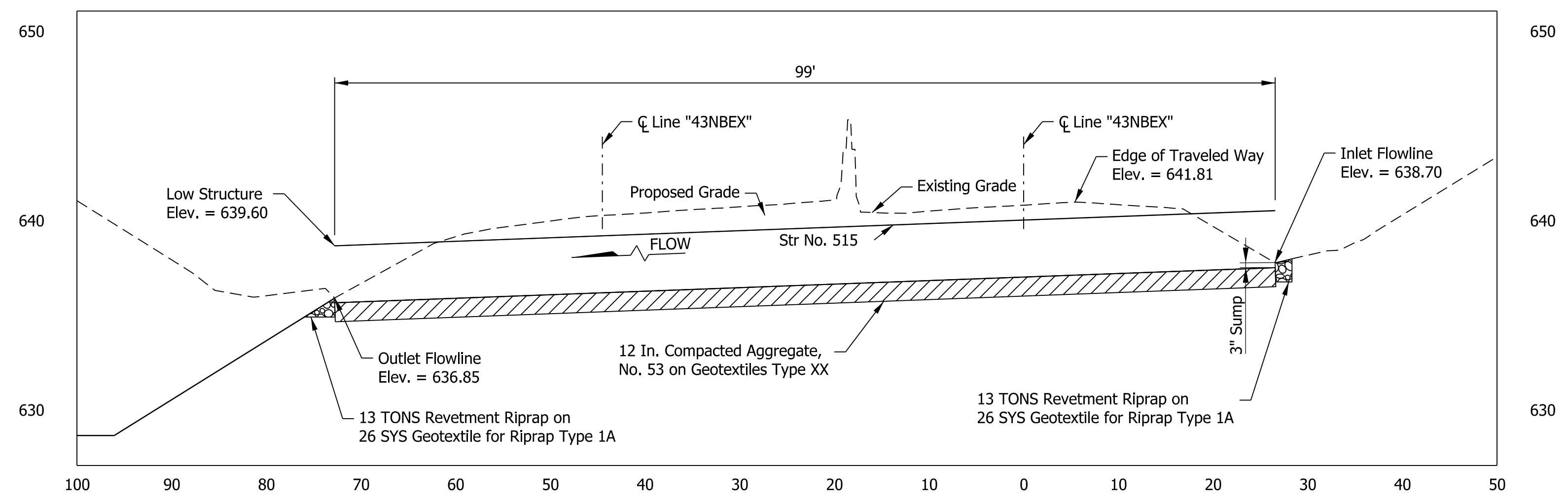
**SECTION B-B**  
N.T.S.

**HYDRAULIC DATA**

DRAINAGE AREA	XX.XX	ACRES
Q100 DISCHARGE	XX.XX	CFS
Q100 ELEVATION	XX.XX	FT
Q100 HEADWATER	XX.XX	FT
BACKWATER	XX.XX	FT
2% EP OUTLET VELOCITY	XX.XX	FPS

**EXISTING STRUCTURE**

EXISTING 8" X 28" CORRUGATED METAL PIPE, APPROXIMATELY 99' LONG, TO BE REMOVED



**SECTION A-A**  
SCALE: 1" = 20' V  
SCALE: 1" = 10' H

**NOTE TO REVIEWER:**  
Material under pipe to be confirmed after geotech report is complete.

**NOTE TO REVIEWER:**  
Hydraulic Data to be included in a later submission.

**NOTE TO REVIEWER:**  
Pavement design assumed to be asphalt for estimating purposes. Pavement design to be approved in a future submittal.

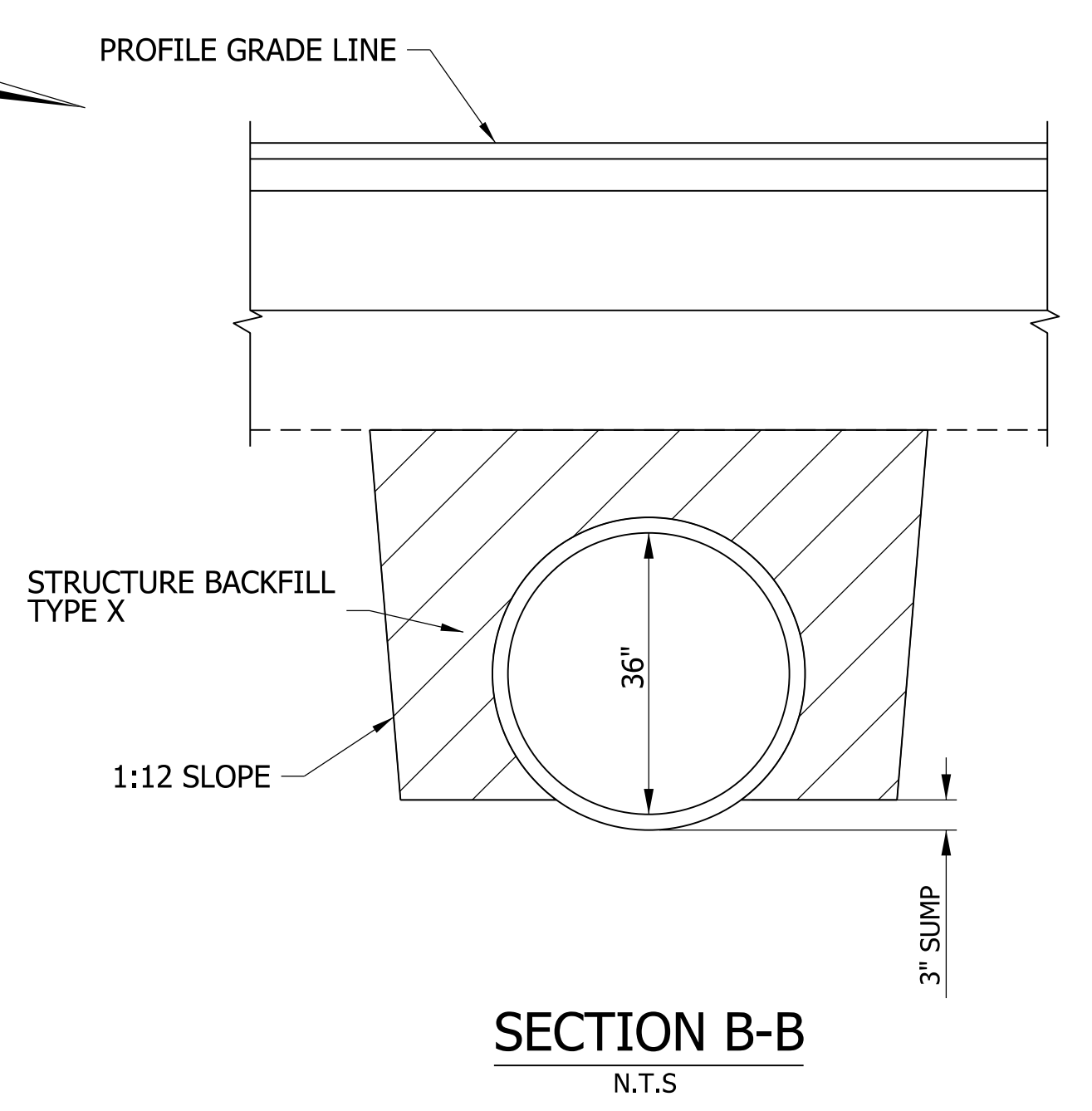
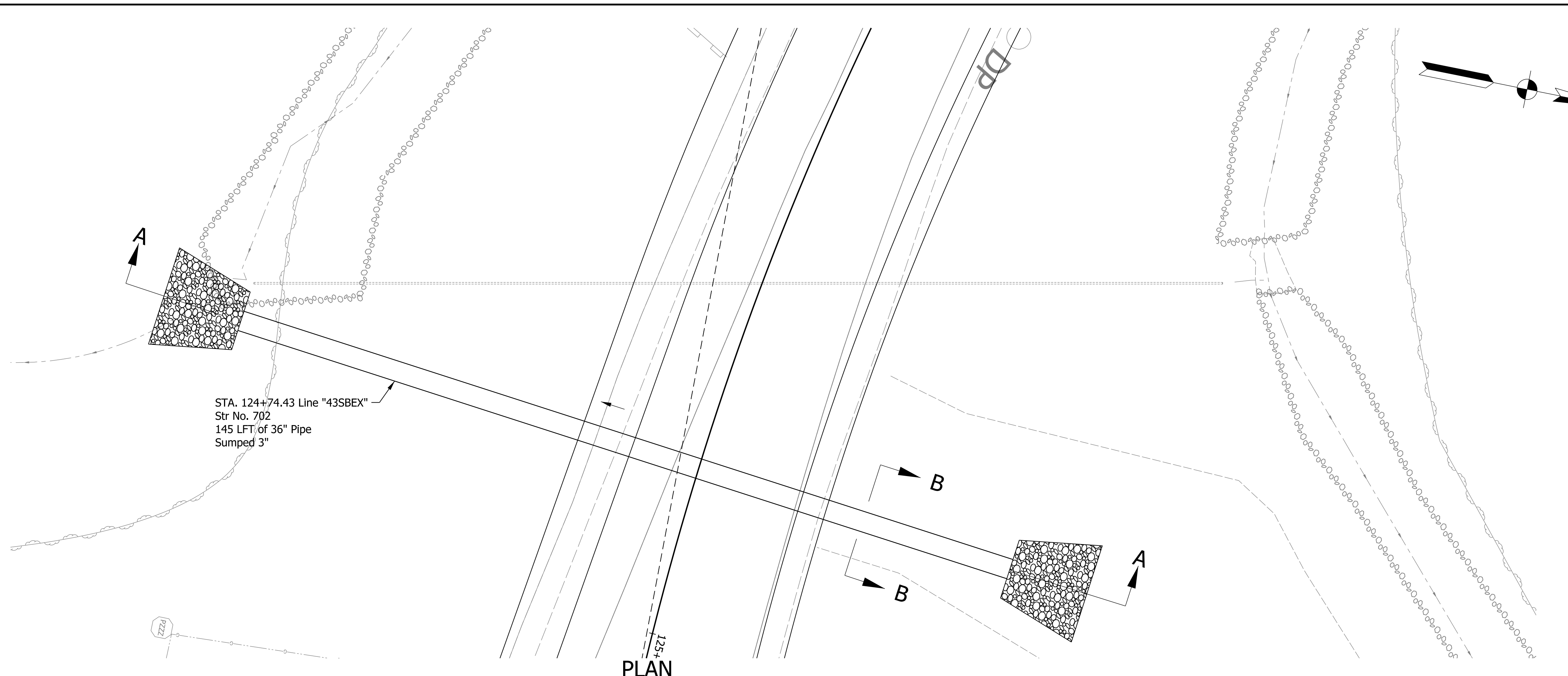
**DRAFT**  
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RPW	DRAWN: RPW	
CHECKED: DJL	CHECKED: DJL	

INDIANA DEPARTMENT OF TRANSPORTATION  
**STRUCTURE DETAILS STR. NO. 515**

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	SSD-06
CONTRACT	225 of 531
R-42909	PROJECT
	2001172 & 2100049

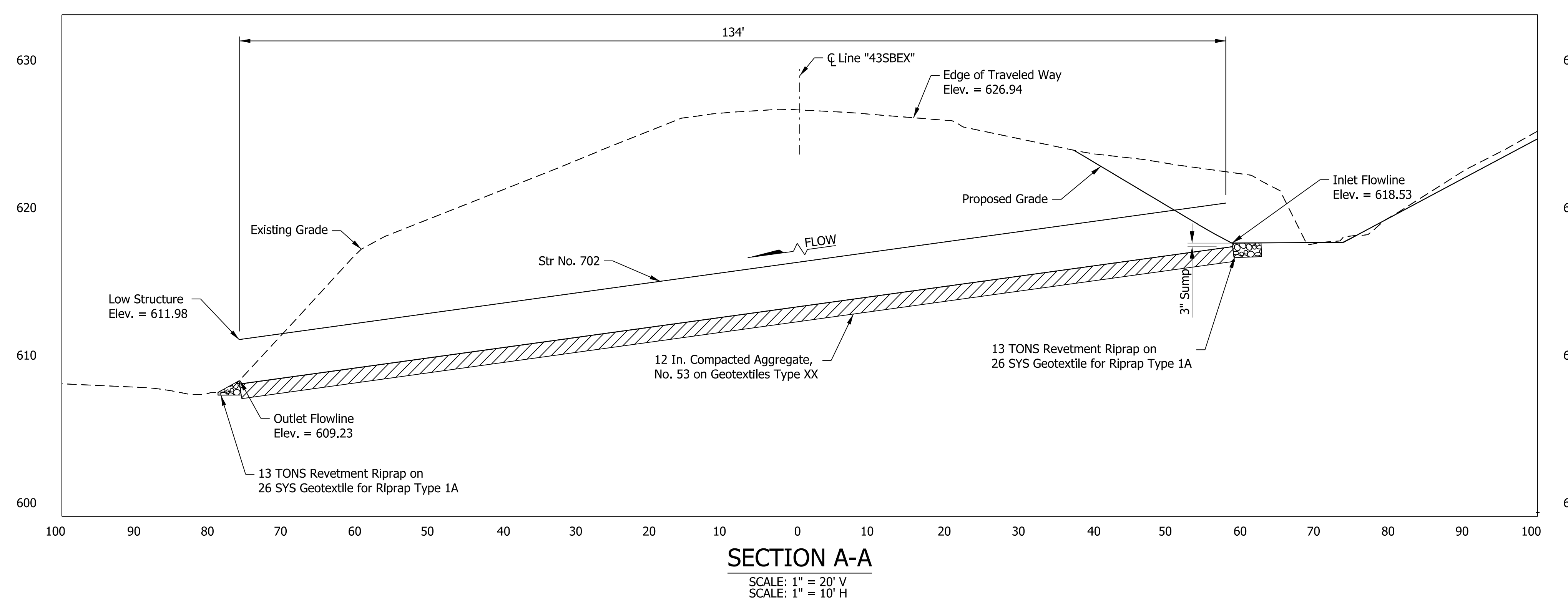
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**HYDRAULIC DATA**

DRAINAGE AREA	XX.XX	ACRES
Q100 DISCHARGE	XX.XX	CFS
Q100 ELEVATION	XX.XX	FT
Q100 HEADWATER	XX.XX	FT
BACKWATER	XX.XX	FT
2% EP OUTLET VELOCITY	XX.XX	FPS

**EXISTING STRUCTURE**  
EXISTING 36" CORRUGATED METAL PIPE, APPROXIMATELY 145' LONG, TO BE REMOVED



**NOTE TO REVIEWER:**  
Material under pipe to be confirmed after geotech report is complete.

**NOTE TO REVIEWER:**  
Hydraulic Data to be included in a later submission.

**NOTE TO REVIEWER:**  
Pavement design assumed to be asphalt for estimating purposes. Pavement design to be approved in a future submittal.

**DRAFT**  
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RPW	DRAWN: RPW	
CHECKED: DJL	CHECKED: DJL	

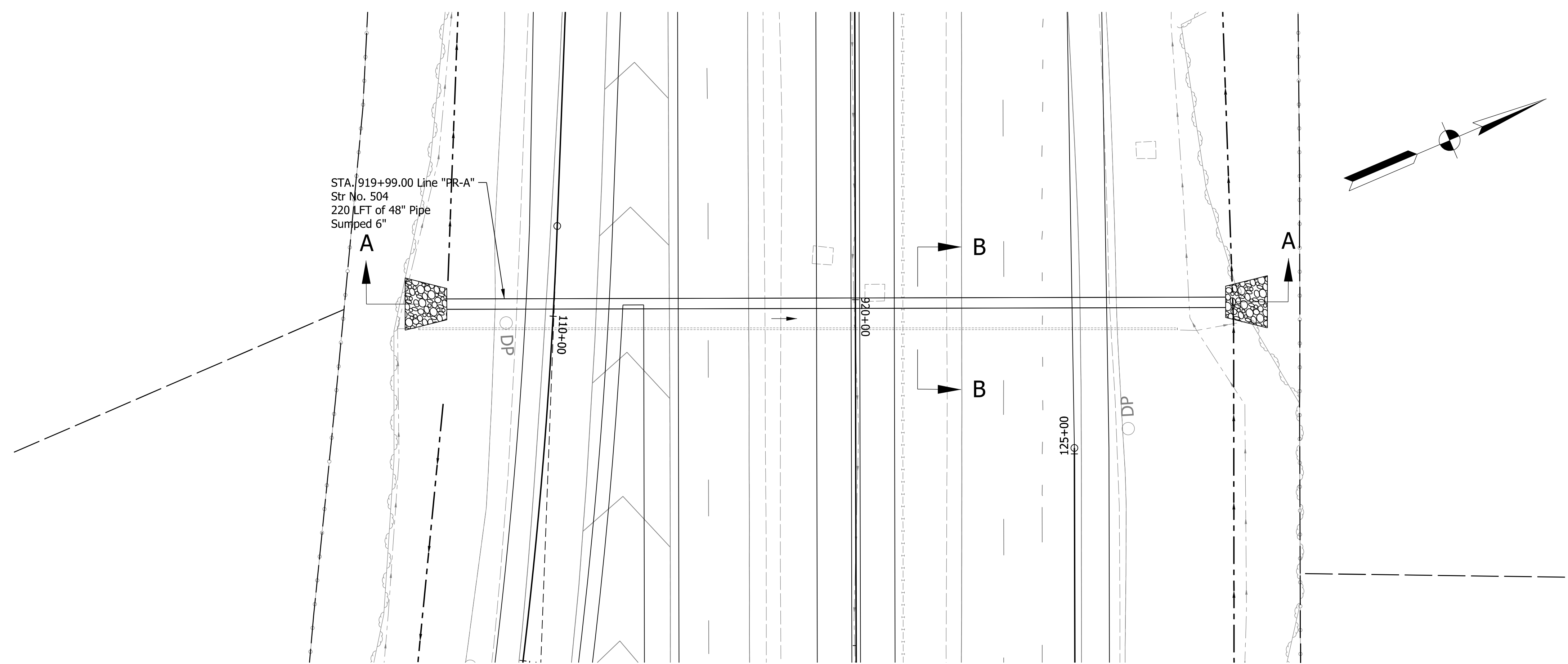
INDIANA DEPARTMENT OF TRANSPORTATION

**STRUCTURE DETAILS**  
STR. NO. 702

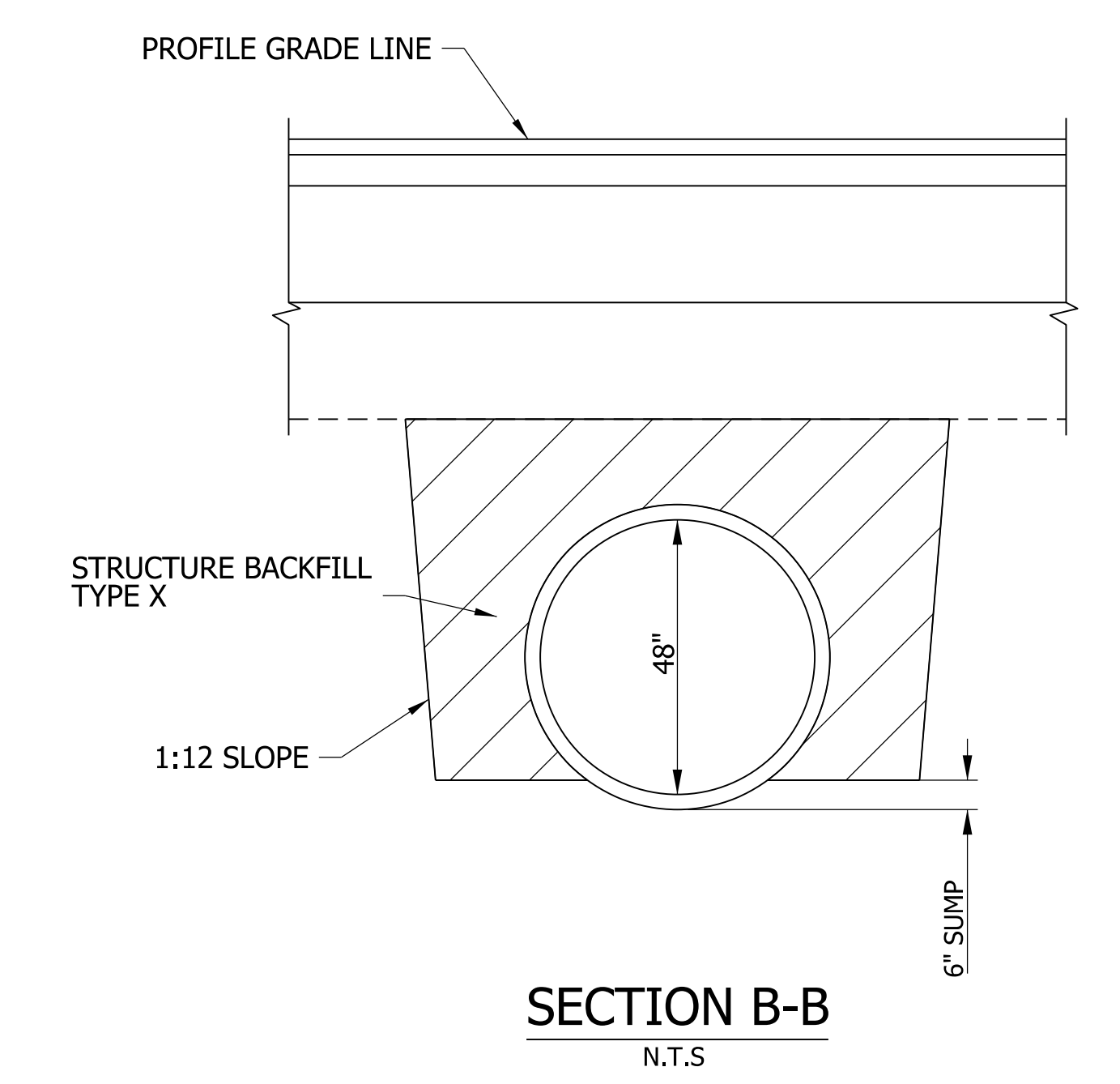
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1"=10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	SSD-07
CONTRACT	226 of 531
R-42909	PROJECT
	2001172 & 2100049

rpwilliams  
2/1/2021 10:25:01 pm  
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**PLAN**  
SCALE: 1" = 20'



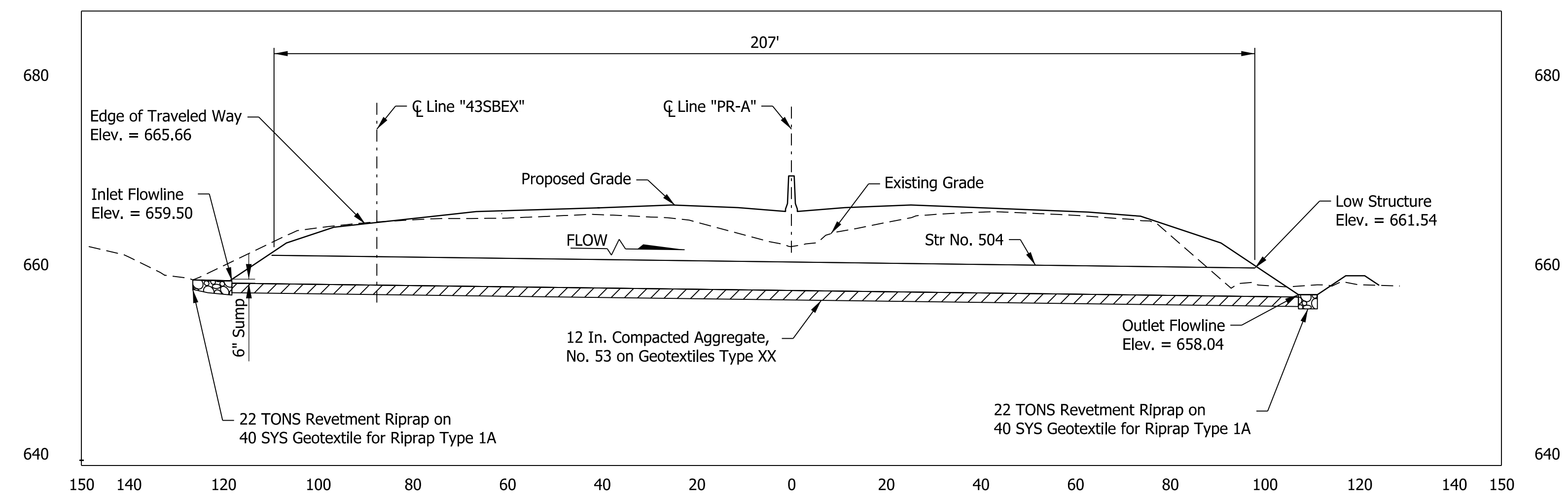
**SECTION B-B**  
N.T.S.

**HYDRAULIC DATA**

DRAINAGE AREA	XX.XX	ACRES
Q100 DISCHARGE	XX.XX	CFS
Q100 ELEVATION	XX.XX	FT
Q100 HEADWATER	XX.XX	FT
BACKWATER	XX.XX	FT
2% EP OUTLET VELOCITY	XX.XX	FPS

**EXISTING STRUCTURE**

EXISTING 36" CORRUGATED METAL PIPE, APPROXIMATELY 219' LONG, TO BE REMOVED



**SECTION A-A**  
SCALE: 1" = 40' V  
SCALE: 1" = 20' H

**NOTE TO REVIEWER:**  
Material under pipe to be confirmed after geotech report is complete.

**NOTE TO REVIEWER:**  
Hydraulic Data to be included in a later submission.

**NOTE TO REVIEWER:**  
Pavement design assumed to be asphalt for estimating purposes. Pavement design to be approved in a future submittal.

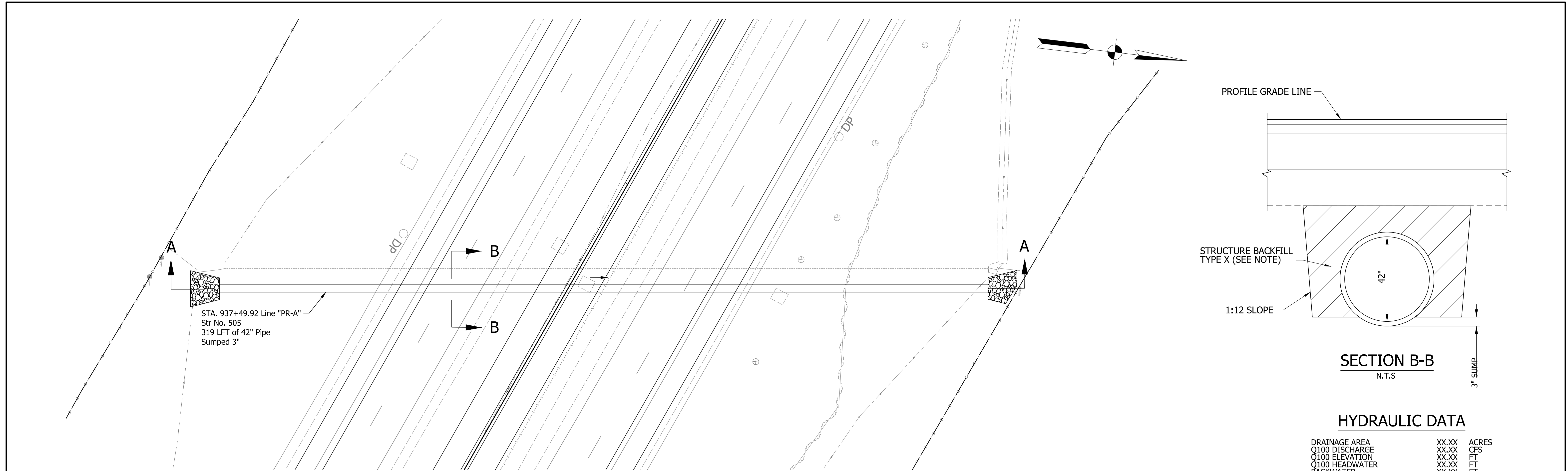
**DRAFT**  
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RPW	DRAWN: RPW	
CHECKED: DJL	CHECKED: DJL	

INDIANA DEPARTMENT OF TRANSPORTATION  
**STRUCTURE DETAILS**  
STR. NO. 504

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	SSD-08
CONTRACT	227 of 531
R-42909	PROJECT
	2001172 & 2100049

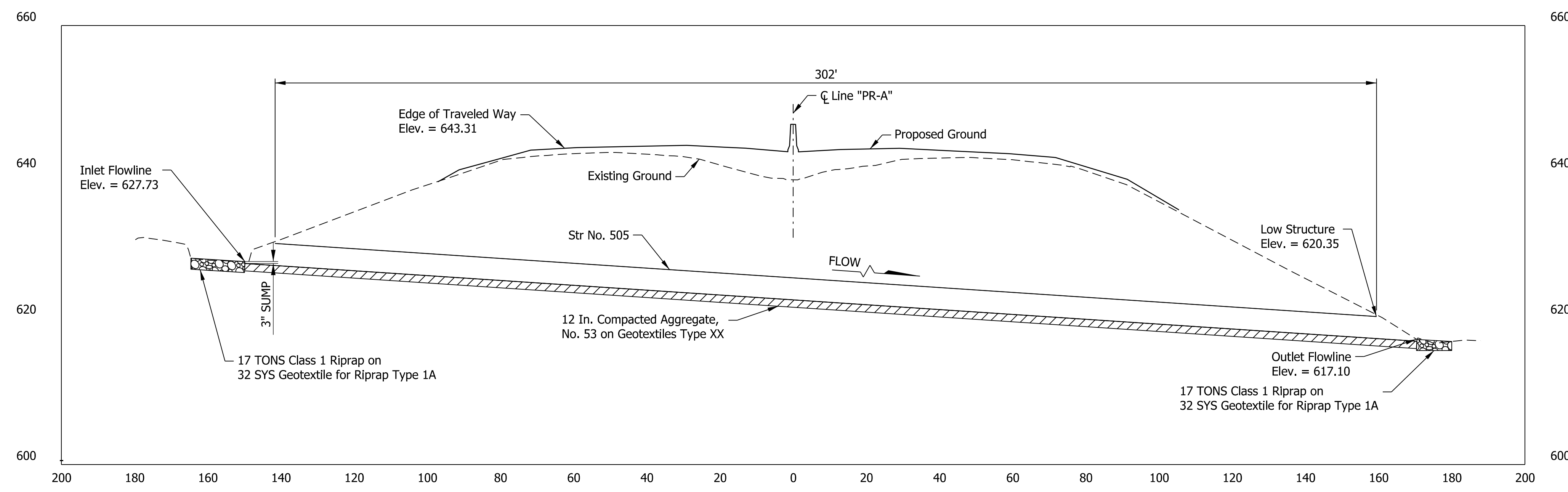
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**PLAN**  
SCALE: 1" = 20'

**EXISTING STRUCTURE**

EXISTING 36" CORRUGATED METAL PIPE, APPROXIMATELY 319' LONG, TO BE REMOVED



**SECTION A-A**  
SCALE: 1" = 40' V  
SCALE: 1" = 20' H

**NOTE TO REVIEWER:**  
Material under pipe to be confirmed after geotech report is complete.

**NOTE TO REVIEWER:**  
Hydraulic Data to be included in a later submission.

**NOTE TO REVIEWER:**  
Pavement design assumed to be asphalt for estimating purposes. Pavement design to be approved in a future submittal.

**DRAFT**  
NOT FOR CONSTRUCTION

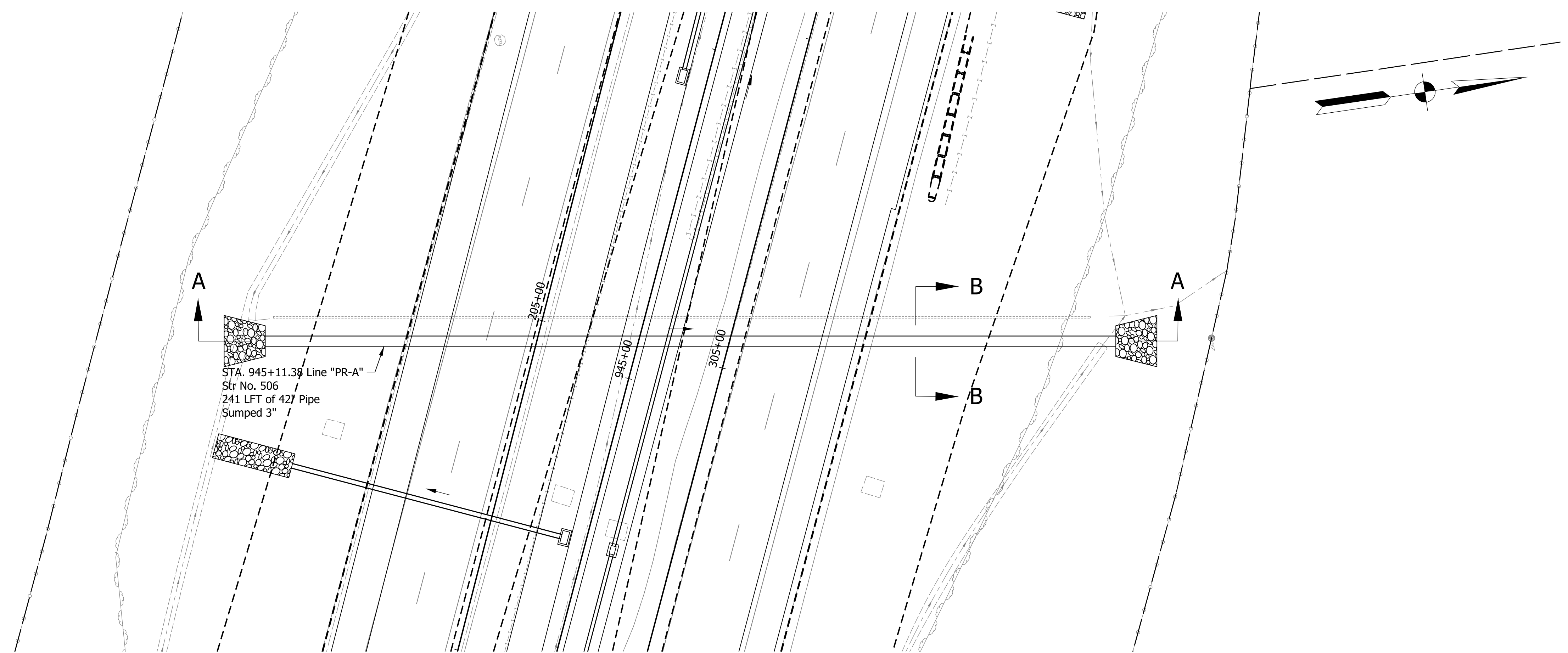
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RPW	DRAWN: RPW	
CHECKED: DJL	CHECKED: DJL	

INDIANA  
DEPARTMENT OF TRANSPORTATION

STRUCTURE DETAILS  
STR. NO. 505

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	SSD-09
CONTRACT	228 of 531
R-42909	PROJECT
	2001172 & 2100049

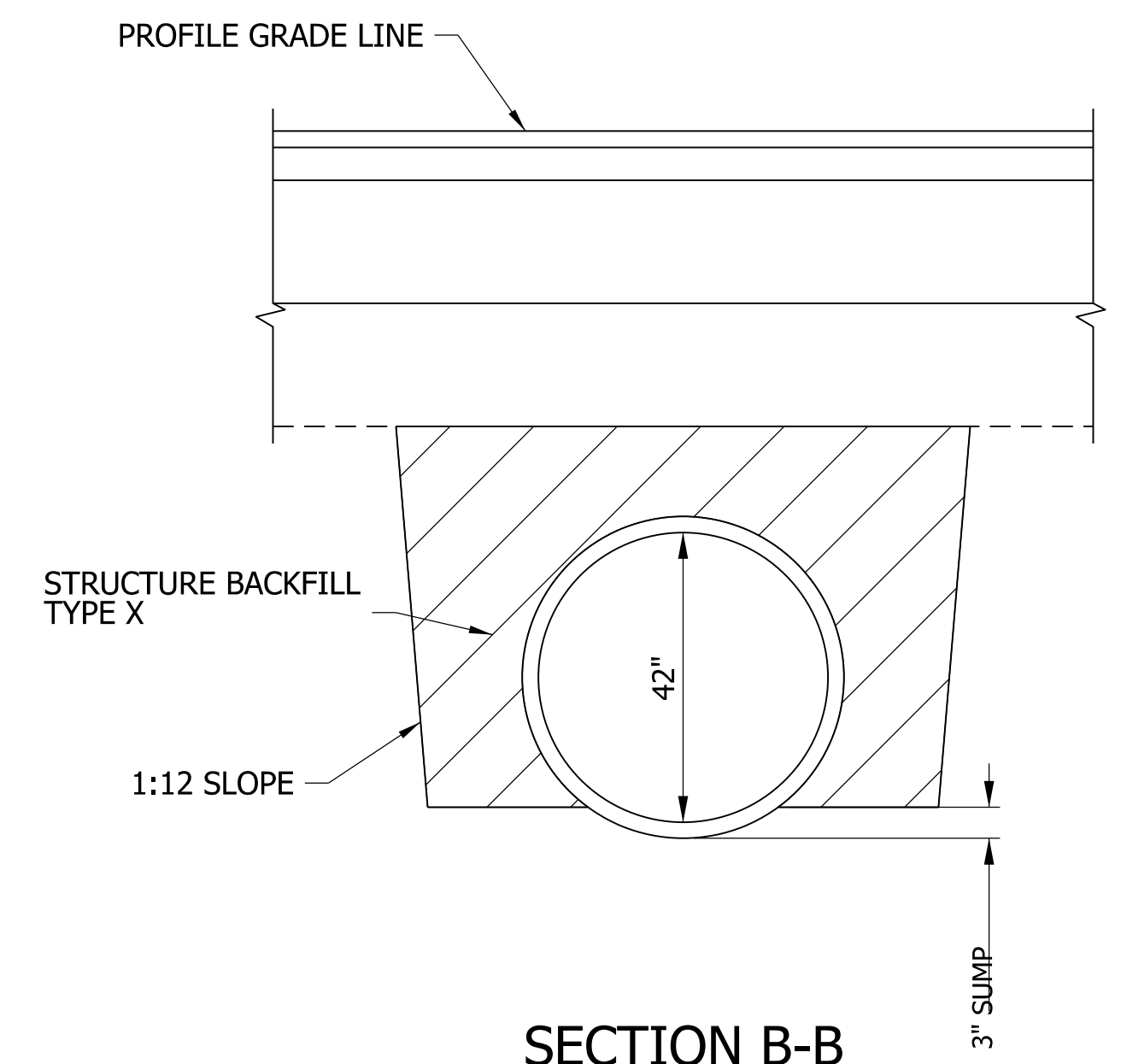
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2/1/2021 10:25:07 pm  
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file:c:\adidib\pwr\striguel\pwr\great\_lakes\00240384\2001172-rd-s-ss002.dgn



STA. 945+11.39 Line "PR-A"  
 Str No. 506  
 241 LFT of 42" Pipe  
 Sumped 3"

**PLAN**

SCALE: 1" = 20'



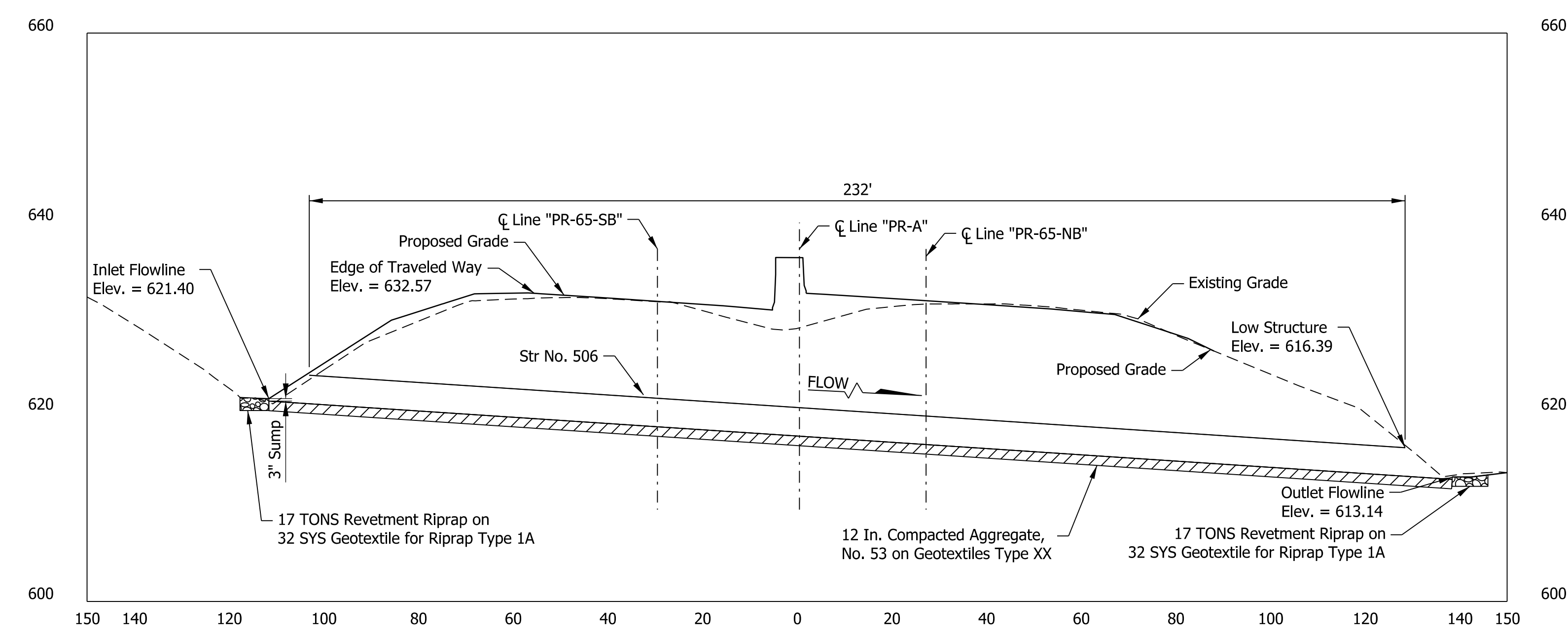
**SECTION B-B**  
 N.T.S

**EXISTING STRUCTURE**

EXISTING 36" CORRUGATED METAL PIPE, APPROXIMATELY 240' LONG, TO BE REMOVED

**HYDRAULIC DATA**

DRAINAGE AREA	XX.XX	ACRES
Q100 DISCHARGE	XX.XX	CFS
Q100 ELEVATION	XX.XX	FT
O100 HEADWATER	XX.XX	FT
BACKWATER	XX.XX	FT
2% EP OUTLET VELOCITY	XX.XX	FPS



**SECTION A-A**

SCALE: 1" = 40' V  
 SCALE: 1" = 20' H

**NOTE TO REVIEWER:**  
 Material under pipe to be confirmed after geotech report is complete.

**NOTE TO REVIEWER:**  
 Hydraulic Data to be included in a later submission.

**NOTE TO REVIEWER:**  
 Pavement design assumed to be asphalt for estimating purposes. Pavement design to be approved in a future submittal.

**DRAFT**  
 NOT FOR CONSTRUCTION

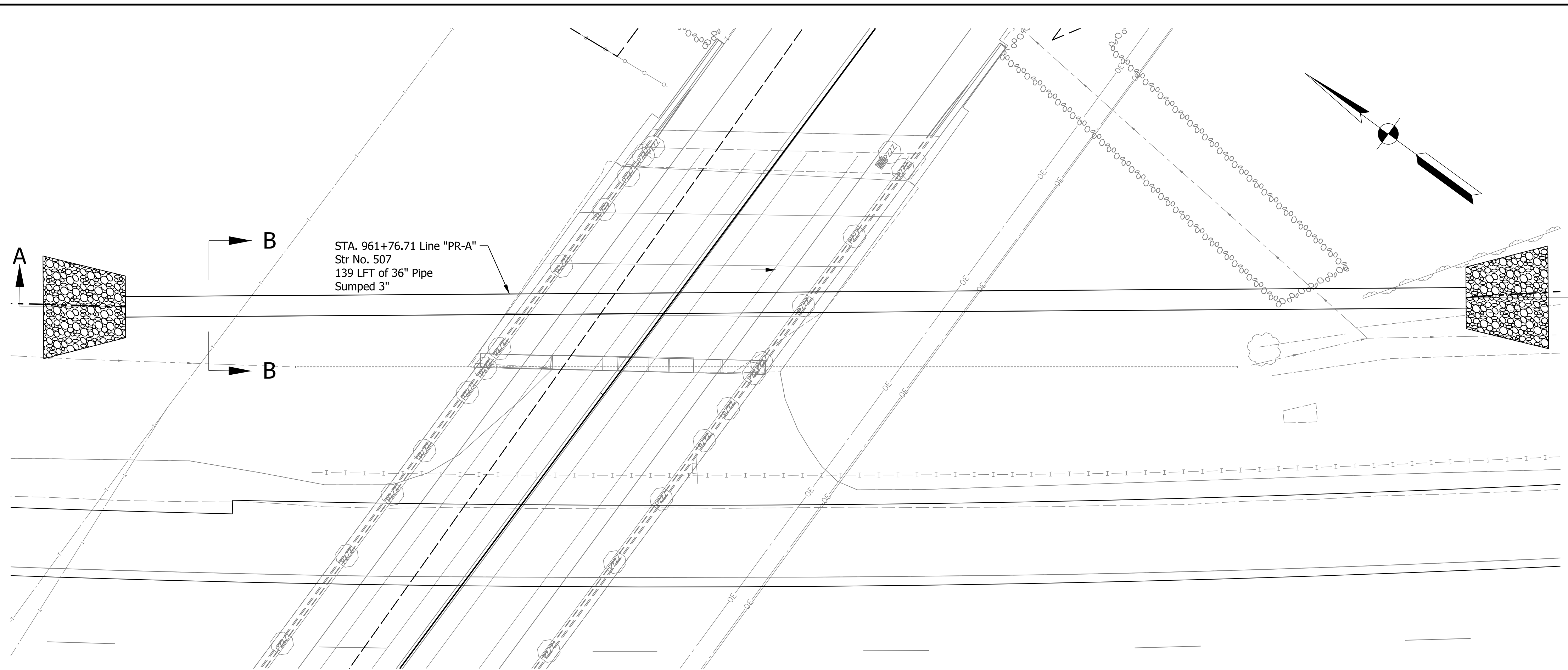
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RPW	DRAWN: RPW	
CHECKED: DJL	CHECKED: DJL	

INDIANA  
 DEPARTMENT OF TRANSPORTATION

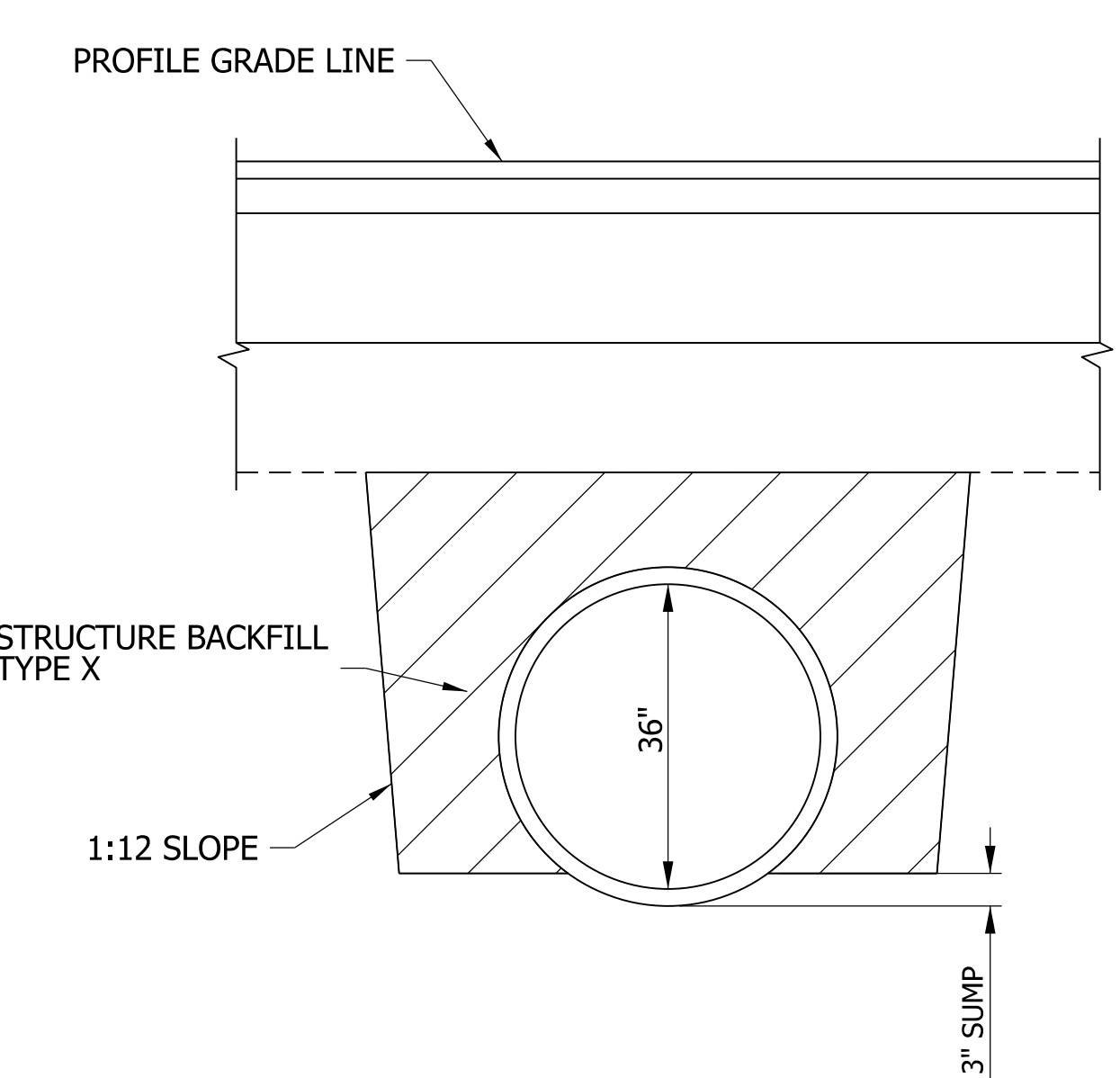
**STRUCTURE DETAILS**  
 STR. NO. 506

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	SSD-10
CONTRACT	229 of 531
R-42909	PROJECT
	2001172 & 2100049

rpwilliams  
 2/1/2021 10:25:10 pm  
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**PLAN**  
SCALE: 1" = 10'



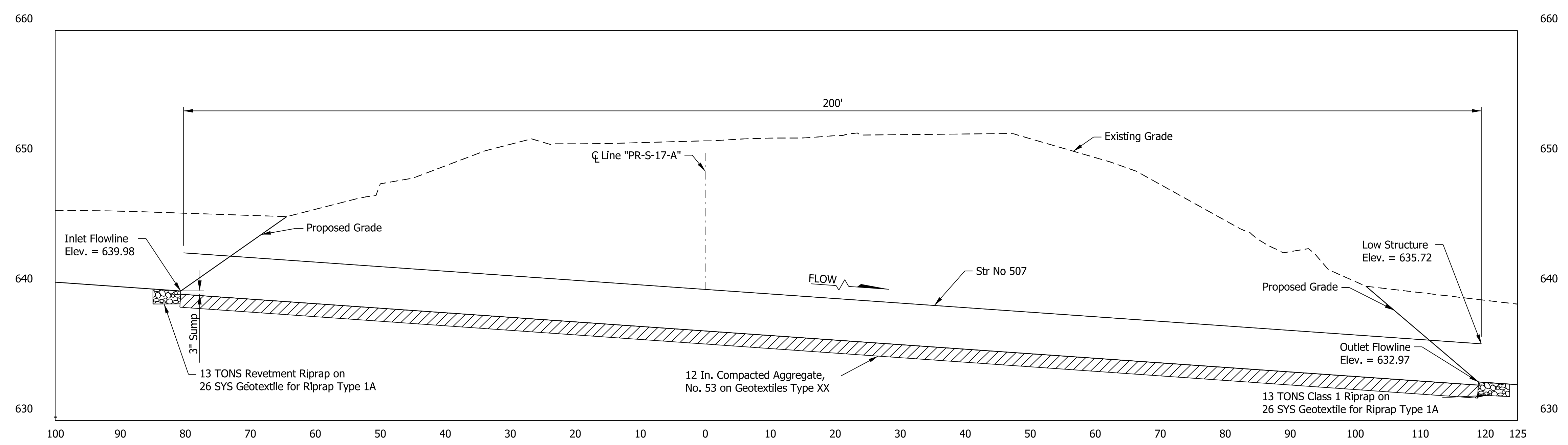
**SECTION B-B**  
N.T.S

**HYDRAULIC DATA**

DRAINAGE AREA	XX.XX	ACRES
Q100 DISCHARGE	XX.XX	CFS
Q100 ELEVATION	XX.XX	FT
Q100 HEADWATER	XX.XX	FT
BACKWATER	XX.XX	FT
2% EP OUTLET VELOCITY	XX.XX	FPS

**EXISTING STRUCTURE**

EXISTING 36" CORRUGATED METAL PIPE, APPROXIMATELY 138' LONG, TO BE REMOVED



**SECTION A-A**  
SCALE: 1" = 20' V  
SCALE: 1" = 10' H

**NOTE TO REVIEWER:**  
Material under pipe to be confirmed after geotech report is complete.

**NOTE TO REVIEWER:**  
Hydraulic Data to be included in a later submission.

**NOTE TO REVIEWER:**  
Pavement design assumed to be asphalt for estimating purposes. Pavement design to be approved in a future submittal.

**DRAFT**  
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RPW	DRAWN: RPW	
CHECKED: DJL	CHECKED: DJL	

INDIANA  
DEPARTMENT OF TRANSPORTATION

**STRUCTURE DETAILS**  
STR. NO. 507

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	230 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

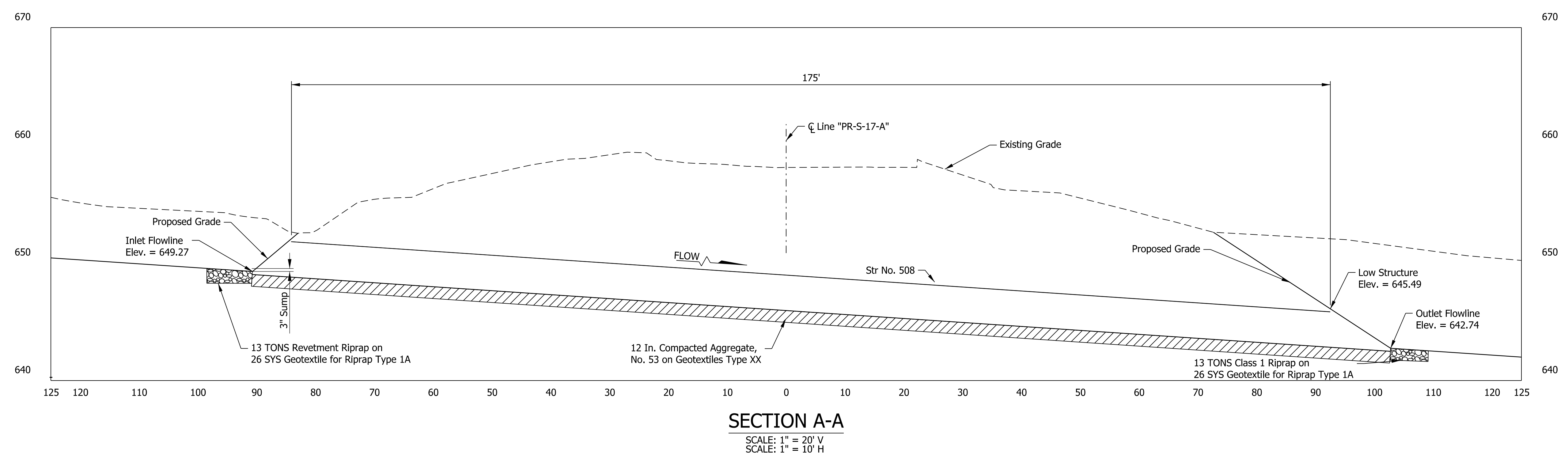
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**HYDRAULIC DATA**

DRAINAGE AREA	XX.XX	ACRES
Q100 DISCHARGE	XX.XX	CFS
Q100 ELEVATION	XX.XX	FT
Q100 HEADWATER	XX.XX	FT
BACKWATER	XX.XX	FT
2% EP OUTLET VELOCITY	XX.XX	FPS

**EXISTING STRUCTURE**  
EXISTING 12" CORRUGATED METAL PIPE, APPROXIMATELY 123' LONG, TO BE REMOVED



rpwilliams  
 2/1/2021 10:25:17 pm  
 model: Sheet12  
 file: c:\cadd\ib\p\tr\regel\p\p\great\_lakes\0240384\2001172-rf-s-ss01.dgn

**NOTE TO REVIEWER:**  
Material under pipe to be confirmed after geotech report is complete.

**NOTE TO REVIEWER:**  
Hydraulic Data to be included in a later submission.

**NOTE TO REVIEWER:**  
Pavement design assumed to be asphalt for estimating purposes. Pavement design to be approved in a future submittal.

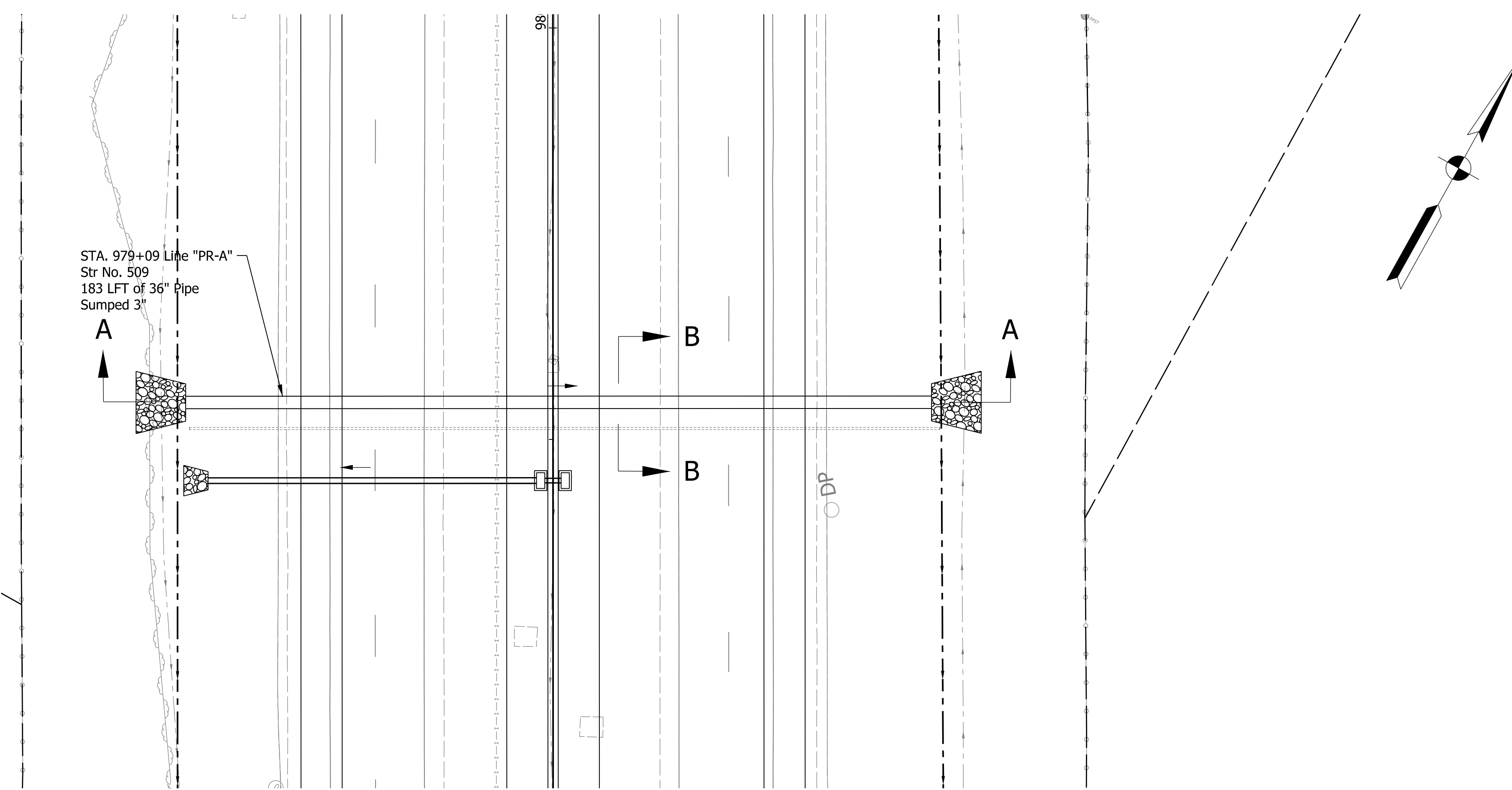
**DRAFT**  
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RPW	DRAWN: RPW	
CHECKED: DJL	CHECKED: DJL	

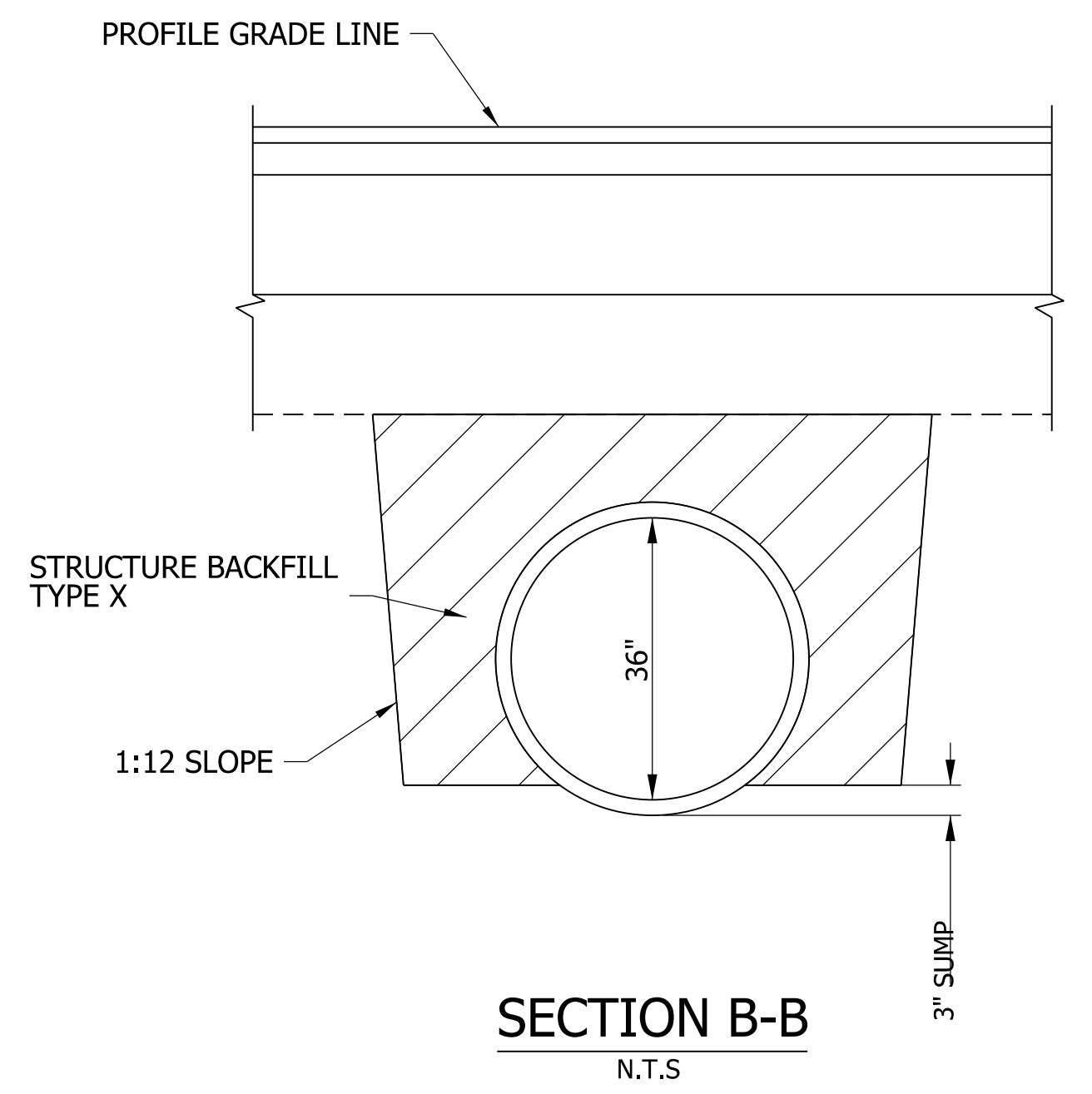
INDIANA  
DEPARTMENT OF TRANSPORTATION

**STRUCTURE DETAILS  
STR. NO. 508**

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	231 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



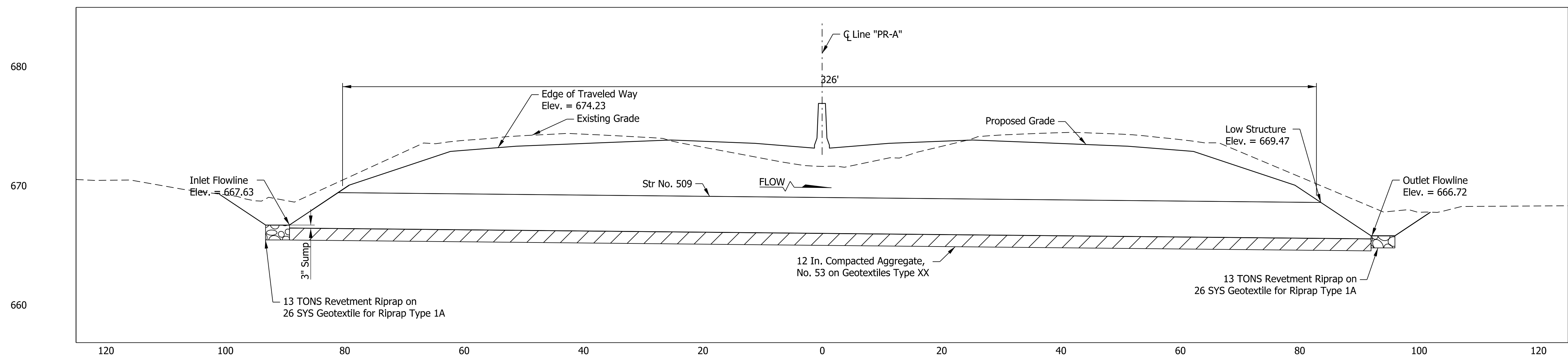
**PLAN**  
SCALE: 1" = 20'



**HYDRAULIC DATA**

DRAINAGE AREA	XX.XX	ACRES
Q100 DISCHARGE	XX.XX	CFS
Q100 ELEVATION	XX.XX	FT
Q100 HEADWATER	XX.XX	FT
BACKWATER	XX.XX	FT
2% EP OUTLET VELOCITY	XX.XX	FPS

**EXISTING STRUCTURE**  
EXISTING 36" CORRUGATED METAL PIPE, APPROXIMATELY 182' LONG, TO BE REMOVED



**SECTION A-A**  
SCALE: 1" = 20' V  
SCALE: 1" = 10' H

**NOTE TO REVIEWER:**  
Material under pipe to be confirmed after geotech report is complete.

**NOTE TO REVIEWER:**  
Hydraulic Data to be included in a later submission.

**NOTE TO REVIEWER:**  
Pavement design assumed to be asphalt for estimating purposes. Pavement design to be approved in a future submittal.

**DRAFT**  
NOT FOR CONSTRUCTION

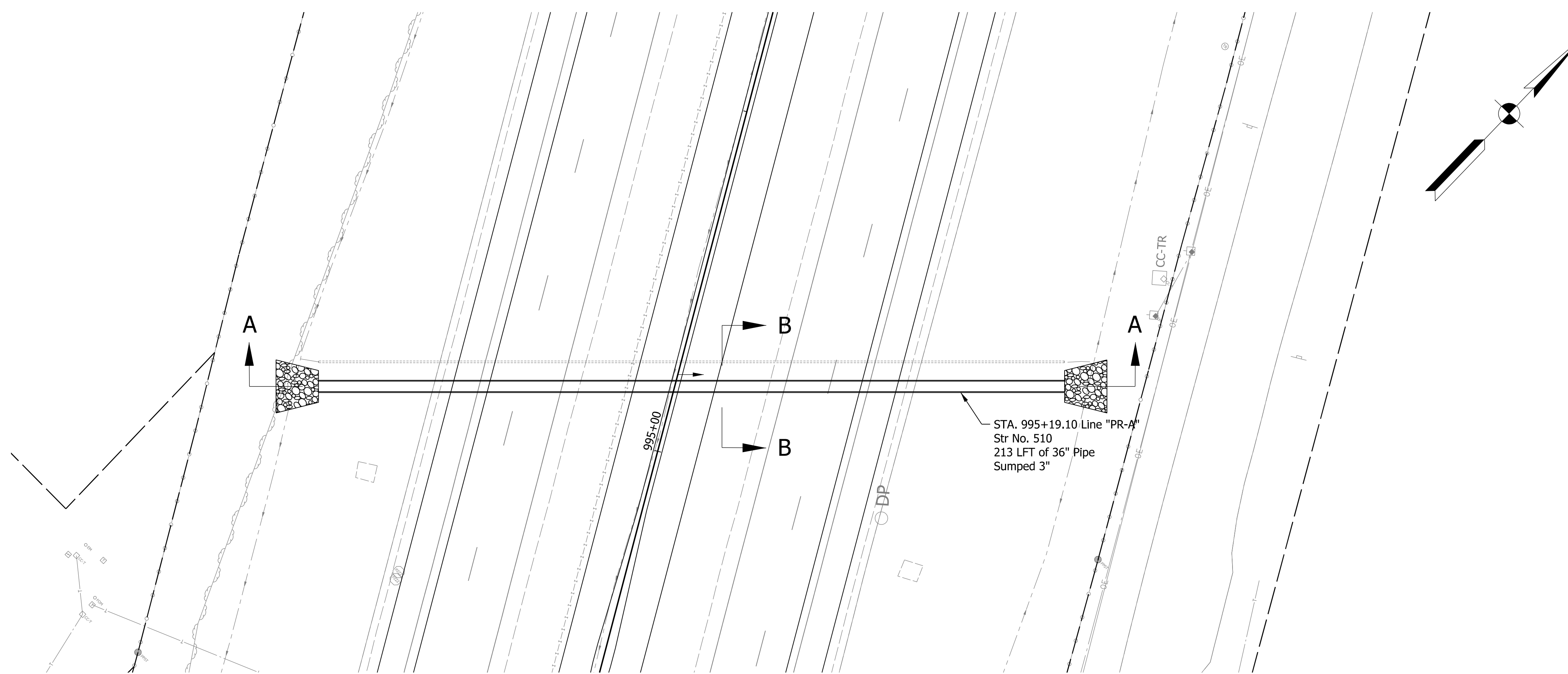
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RPW	DRAWN: RPW	
CHECKED: DJL	CHECKED: DJL	

INDIANA  
DEPARTMENT OF TRANSPORTATION

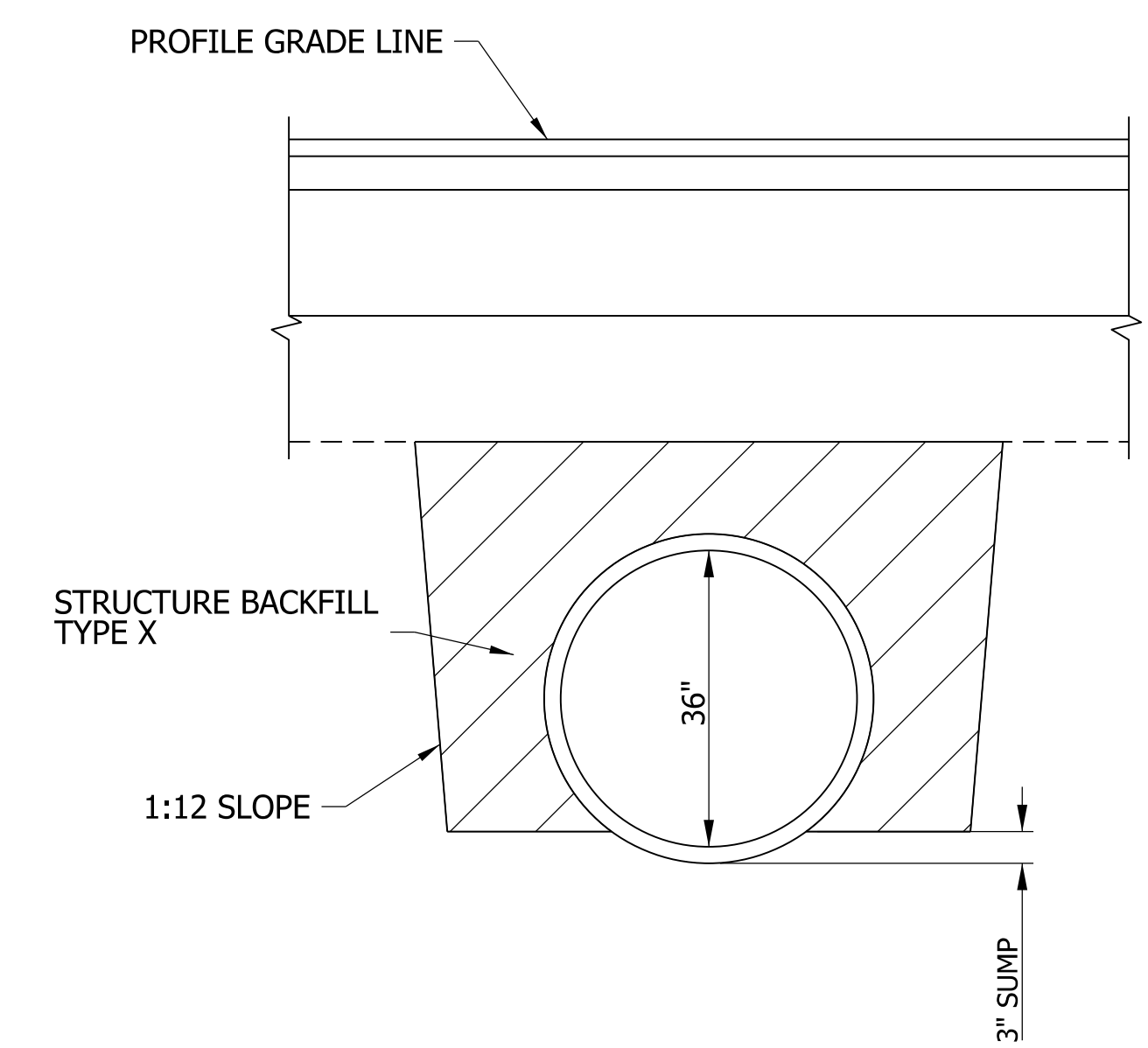
**STRUCTURE DETAILS  
STR. NO. 509**

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	232 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

rpwilliams  
 2/1/2021 10:25:20 pm  
 model:Sheet4  
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**PLAN**  
SCALE: 1" = 20'



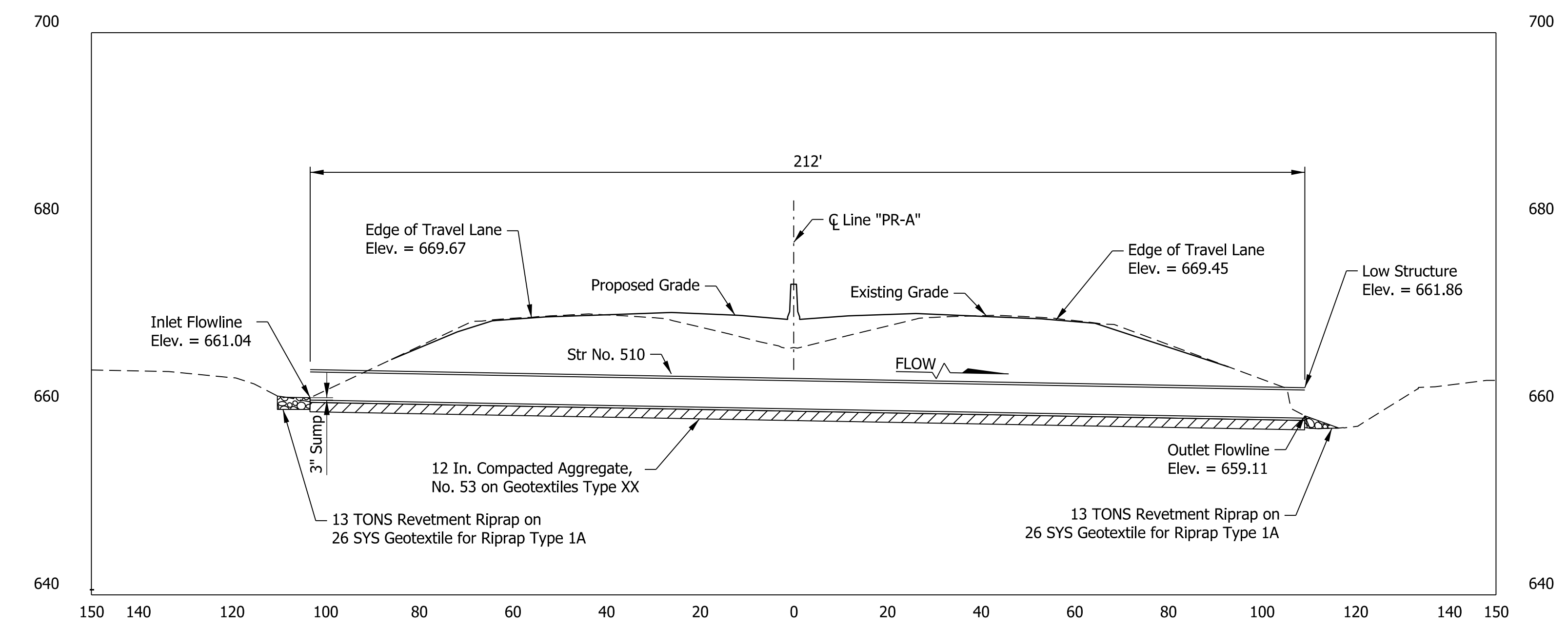
**SECTION B-B**  
N.T.S.

**HYDRAULIC DATA**

DRAINAGE AREA	XX.XX	ACRES
Q100 DISCHARGE	XX.XX	CFS
Q100 ELEVATION	XX.XX	FT
Q100 HEADWATER	XX.XX	FT
BACKWATER	XX.XX	FT
2% EP OUTLET VELOCITY	XX.XX	FPS

**EXISTING STRUCTURE**

EXISTING 36" CORRUGATED METAL PIPE, APPROXIMATELY 212' LONG, TO BE REMOVED



**SECTION A-A**  
SCALE: 1" = 40' V  
SCALE: 1" = 20' H

**NOTE TO REVIEWER:**  
Material under pipe to be confirmed after geotech report is complete.

**NOTE TO REVIEWER:**  
Hydraulic Data to be included in a later submission.

**NOTE TO REVIEWER:**  
Pavement design assumed to be asphalt for estimating purposes. Pavement design to be approved in a future submittal.

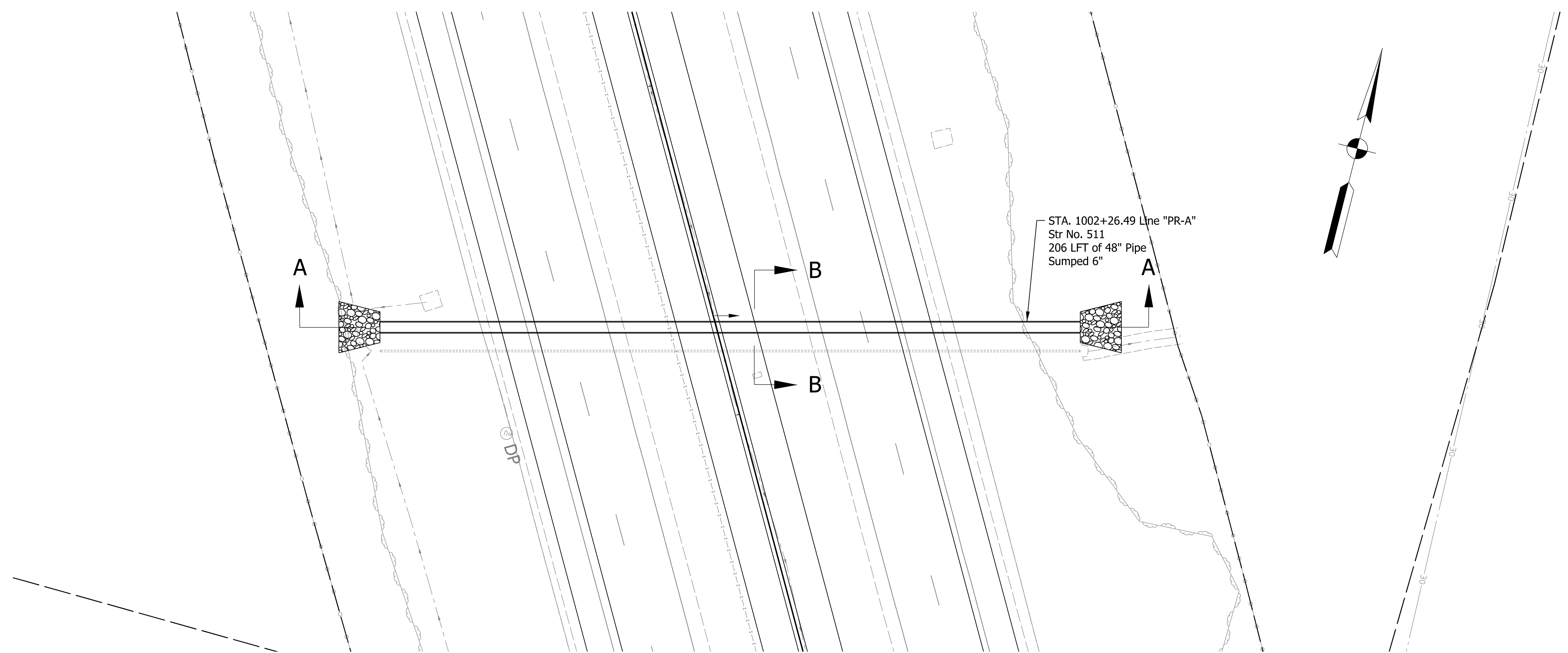
**DRAFT**  
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RPW	DRAWN: RPW	
CHECKED: DJL	CHECKED: DJL	

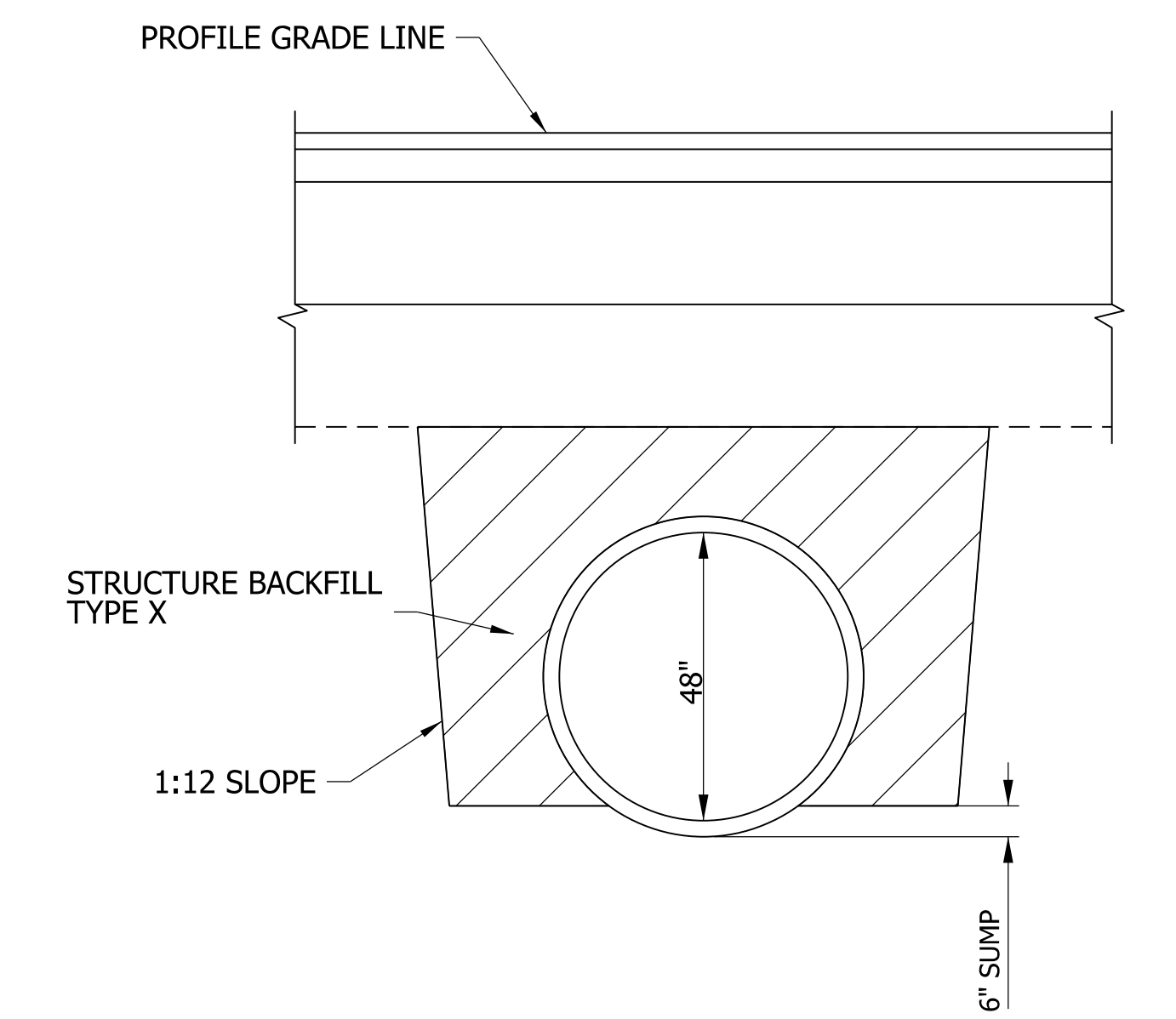
INDIANA DEPARTMENT OF TRANSPORTATION  
**STRUCTURE DETAILS**  
STR. NO. 510

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	SSD-14
CONTRACT	233 of 531
R-42909	PROJECT
	2001172 & 2100049

rpwilliams  
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 model: Sheet5  
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**PLAN**  
SCALE: 1" = 20'



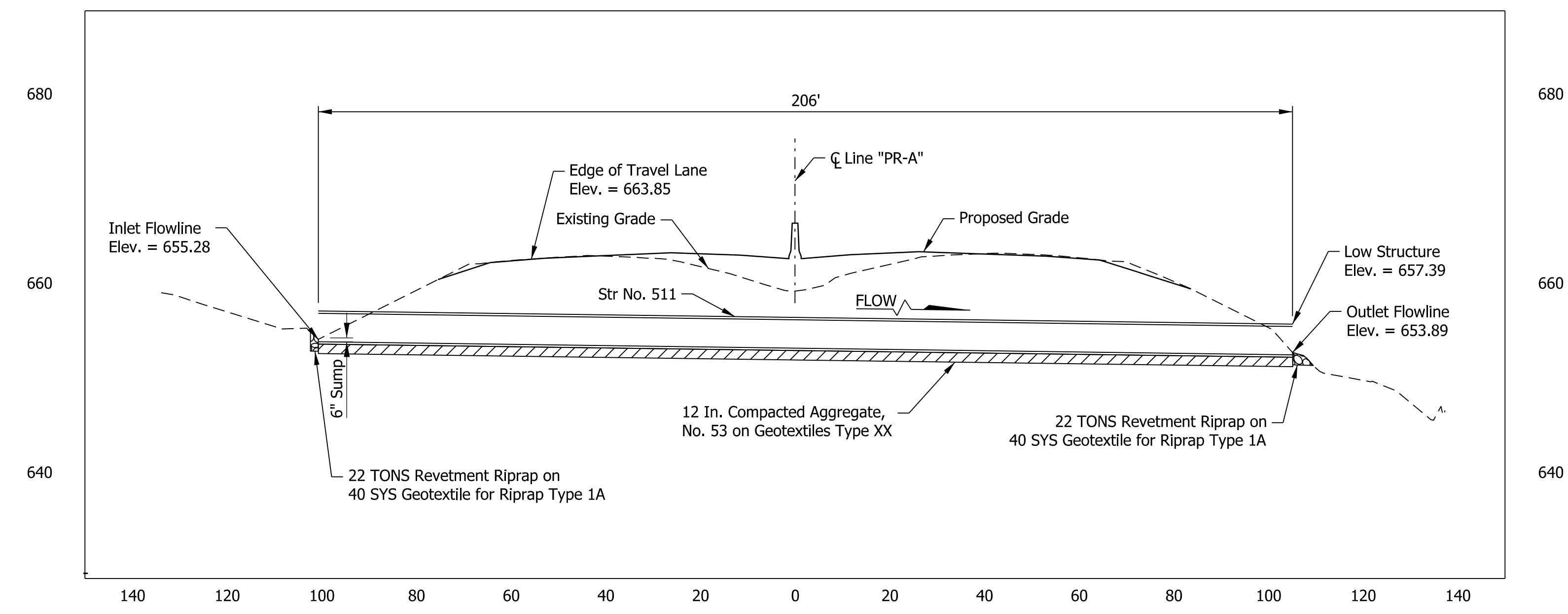
**SECTION B-B**  
N.T.S

**HYDRAULIC DATA**

DRAINAGE AREA	10.6	ACRES
Q100 DISCHARGE	29.5	CFS
Q100 ELEVATION	654.78	FT
Q100 HEADWATER	658.16	FT
BACKWATER	1.99	FT
2% EP OUTLET VELOCITY	6.67	FPS

**EXISTING STRUCTURE**

EXISTING 36" CORRUGATED METAL PIPE, APPROXIMATELY 206' LONG, TO BE REMOVED



**SECTION A-A**  
SCALE: 1" = 40' V  
SCALE: 1" = 20' H

**NOTE TO REVIEWER:**  
Material under pipe to be confirmed after geotech report is complete.

**NOTE TO REVIEWER:**  
Hydraulic Data to be included in a later submission.

**NOTE TO REVIEWER:**  
Pavement design assumed to be asphalt for estimating purposes. Pavement design to be approved in a future submittal.

**DRAFT**  
NOT FOR CONSTRUCTION

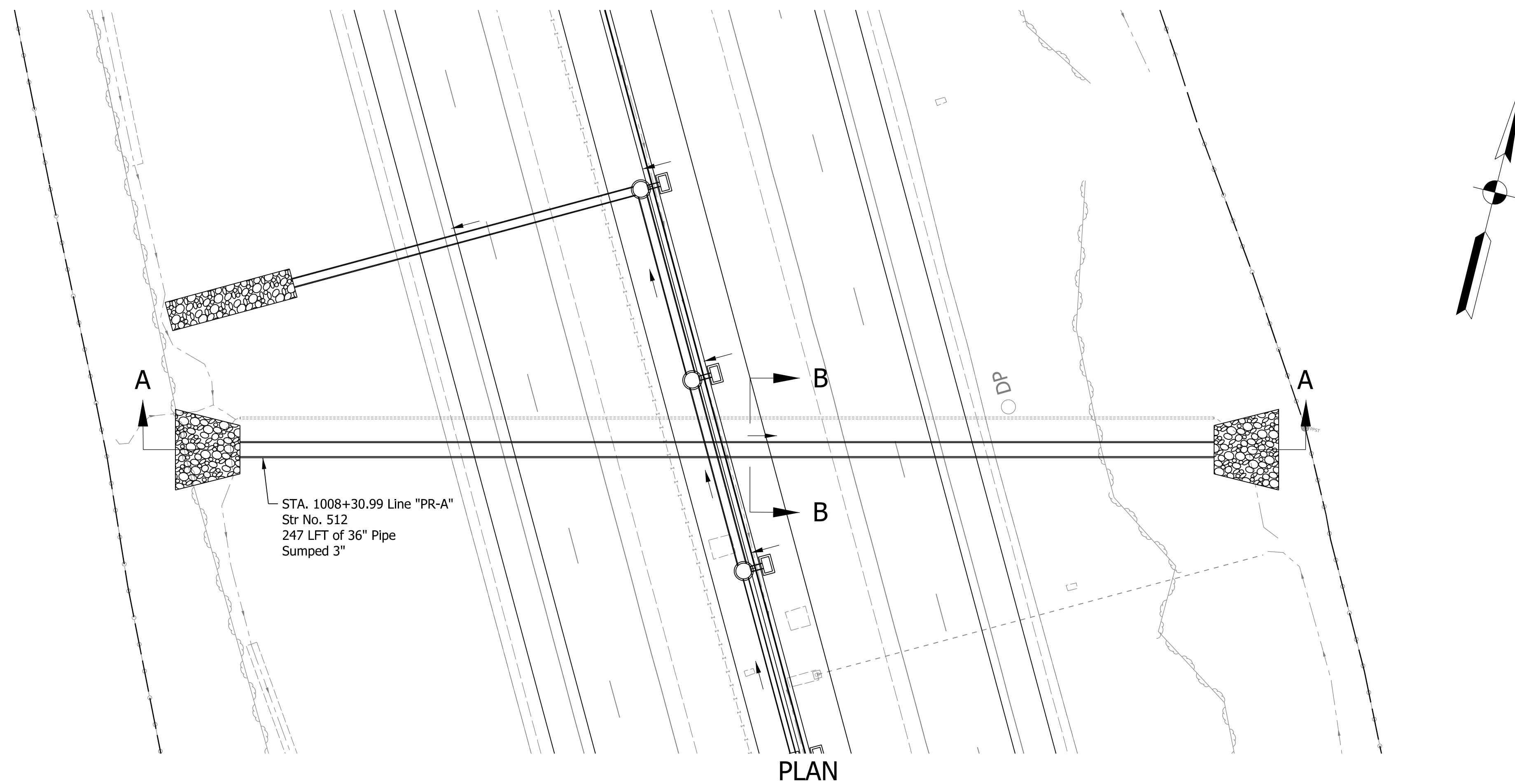
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DESIGNED: _____ RPW _____	DRAWN: _____ RPW _____	
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INDIANA  
DEPARTMENT OF TRANSPORTATION  
  
STRUCTURE DETAILS  
STR. NO. 511

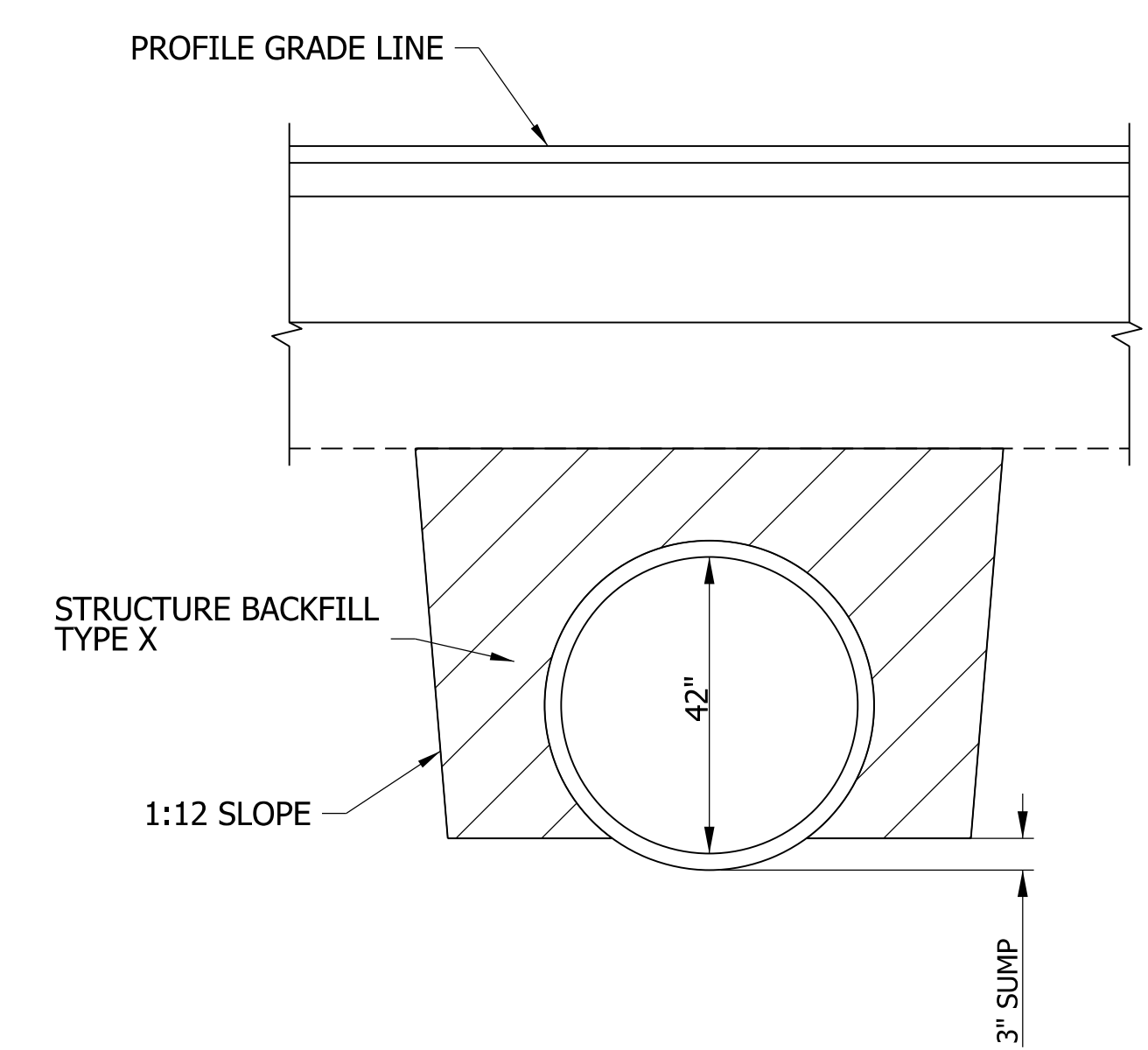
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1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	SSD-15
CONTRACT	234 of 531
R-42909	PROJECT
	2001172 & 2100049

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 model: Sheet6  
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**PLAN**  
SCALE: 1" = 20'



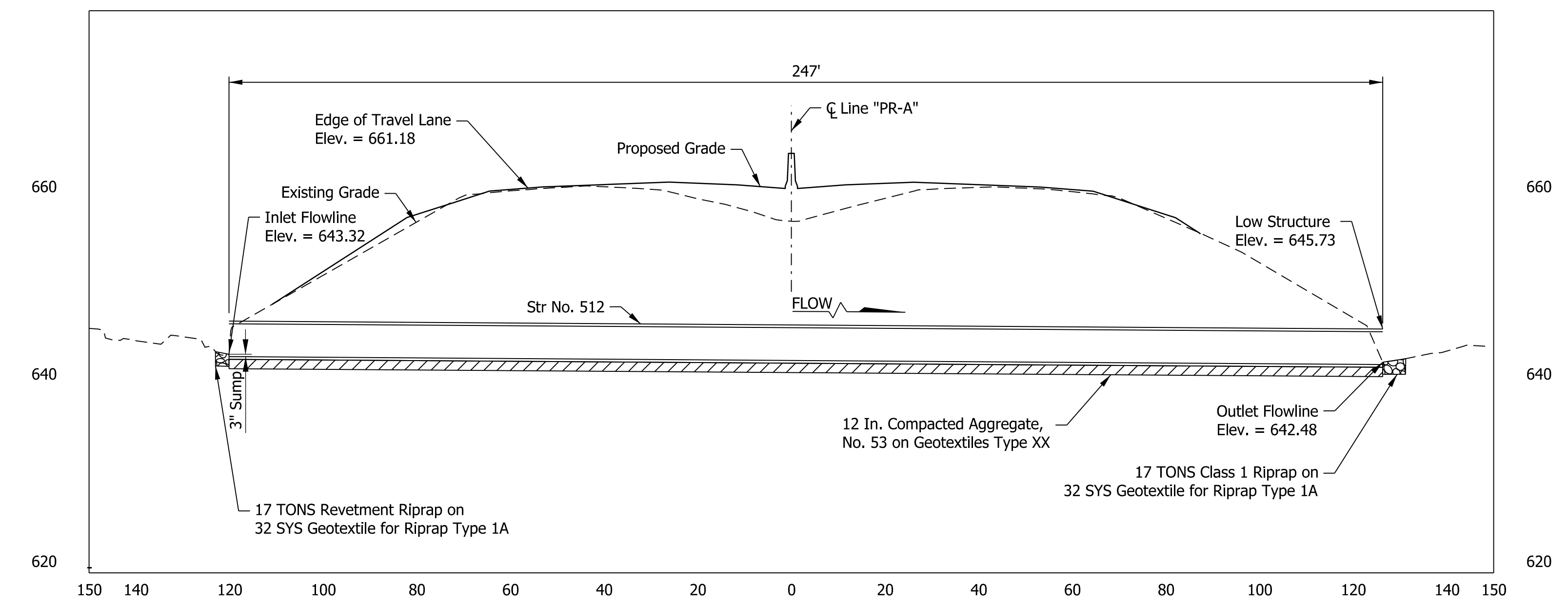
**SECTION B-B**  
N.T.S.

**HYDRAULIC DATA**

DRAINAGE AREA	30.7	ACRES
Q100 DISCHARGE	50.0	CFS
Q100 ELEVATION	643.65	FT
Q100 HEADWATER	647.21	FT
BACKWATER	2.72	FT
2% EP OUTLET VELOCITY	7.55	FPS

**EXISTING STRUCTURE**

EXISTING 36" CORRUGATED METAL PIPE, APPROXIMATELY 247' LONG, TO BE REMOVED



**SECTION A-A**  
SCALE: 1" = 40' V  
SCALE: 1" = 20' H

**NOTE TO REVIEWER:**  
Material under pipe to be confirmed after geotech report is complete.

**NOTE TO REVIEWER:**  
Hydraulic Data to be included in a later submission.

**NOTE TO REVIEWER:**  
Pavement design assumed to be asphalt for estimating purposes. Pavement design to be approved in a future submittal.

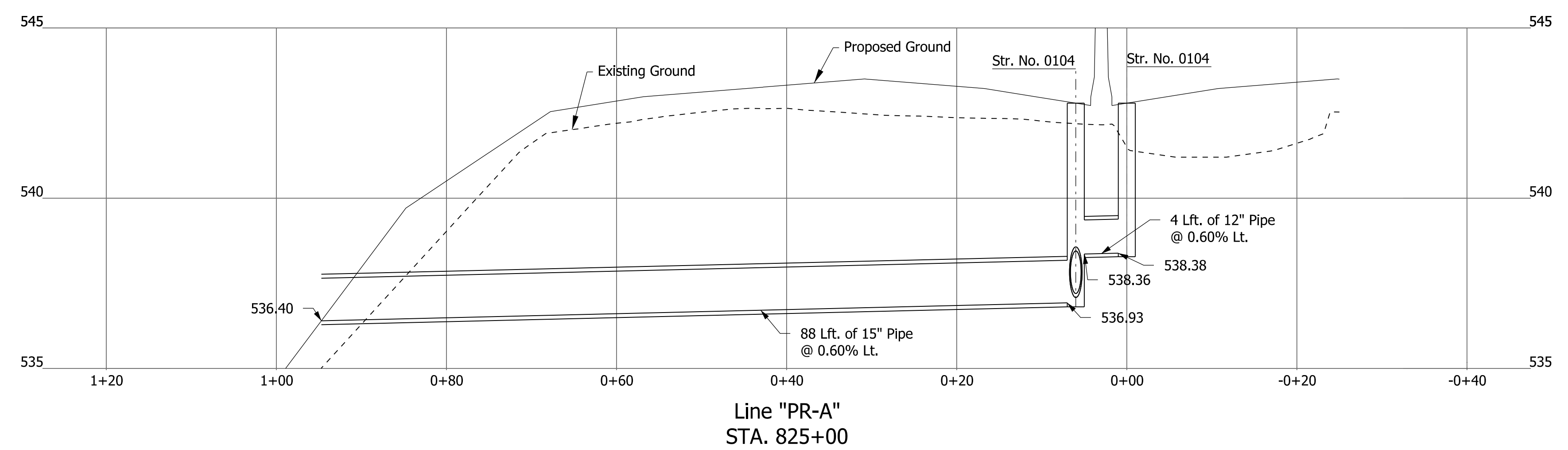
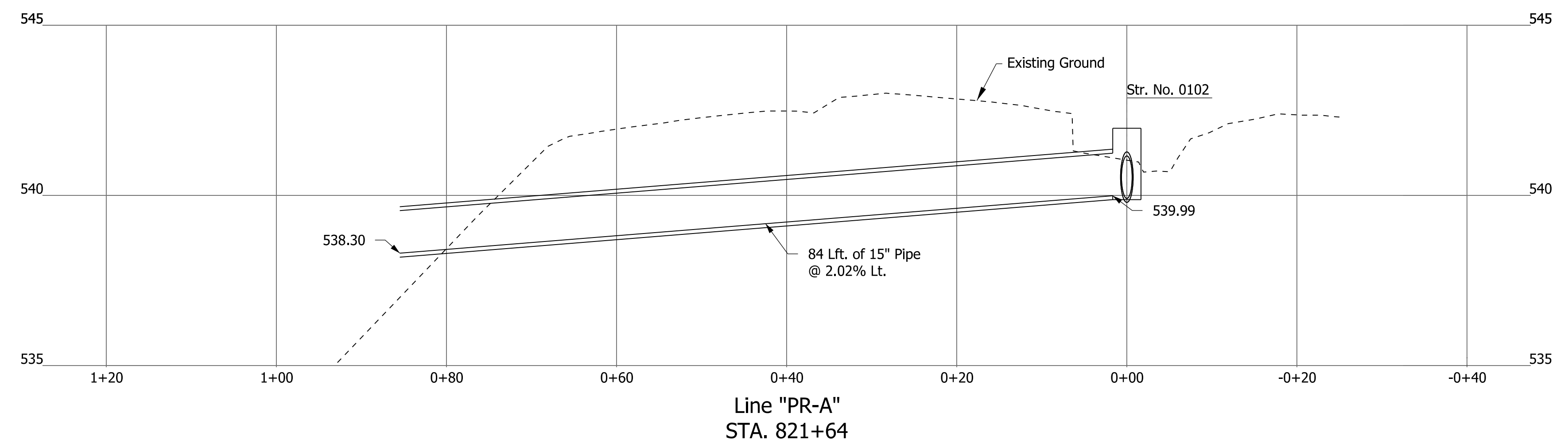
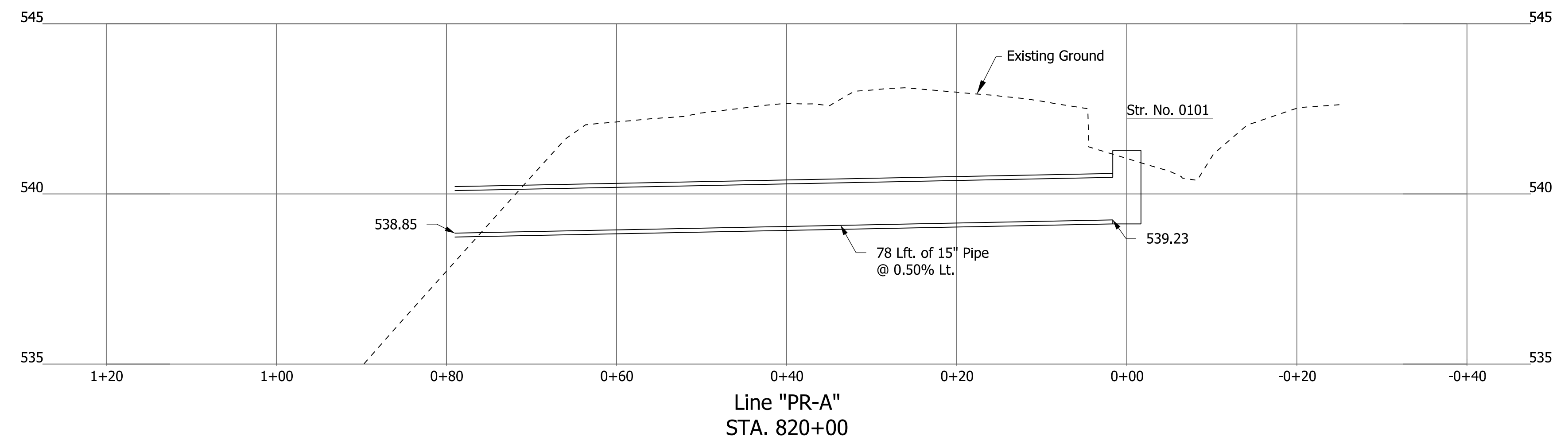
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ RPW _____	DRAWN: _____ RPW _____	
CHECKED: _____ DJL _____	CHECKED: _____ DJL _____	

INDIANA DEPARTMENT OF TRANSPORTATION  
**STRUCTURE DETAILS**  
STR. NO. 512

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	SSD-16
CONTRACT	235 of 531
R-42909	PROJECT
	2001172 & 2100049

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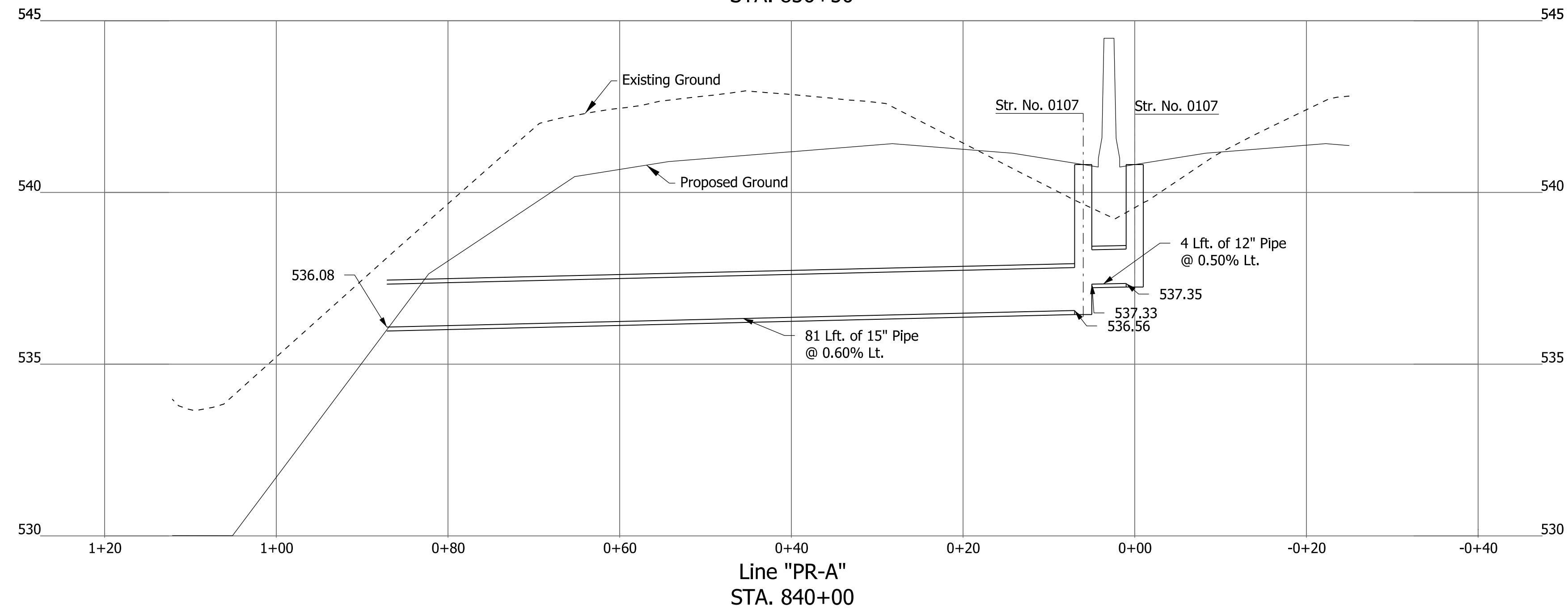
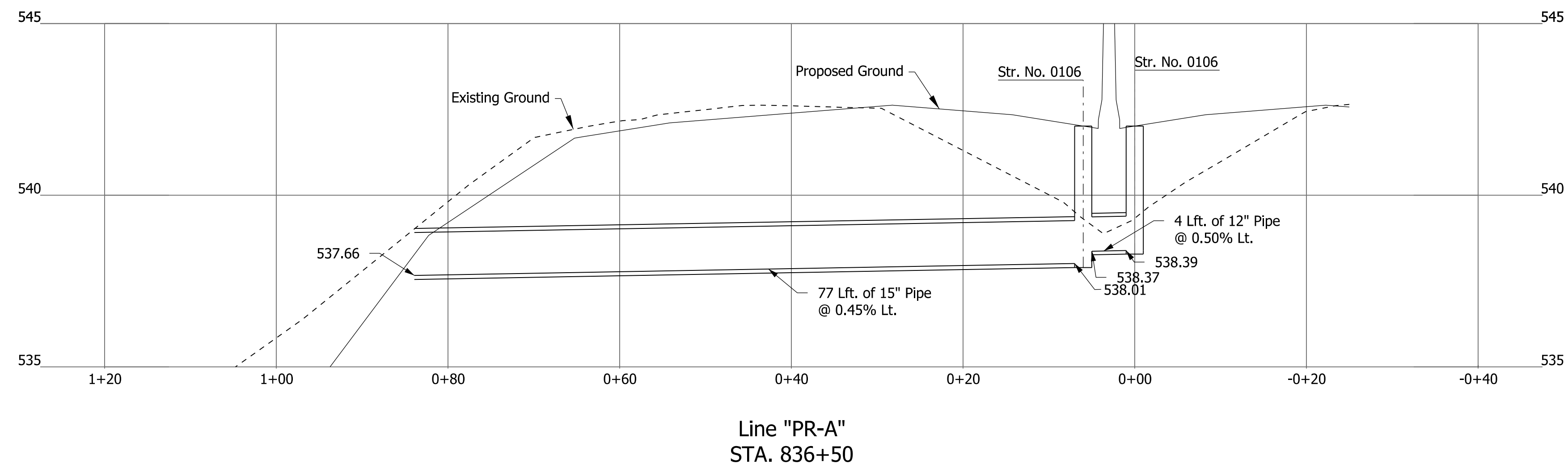
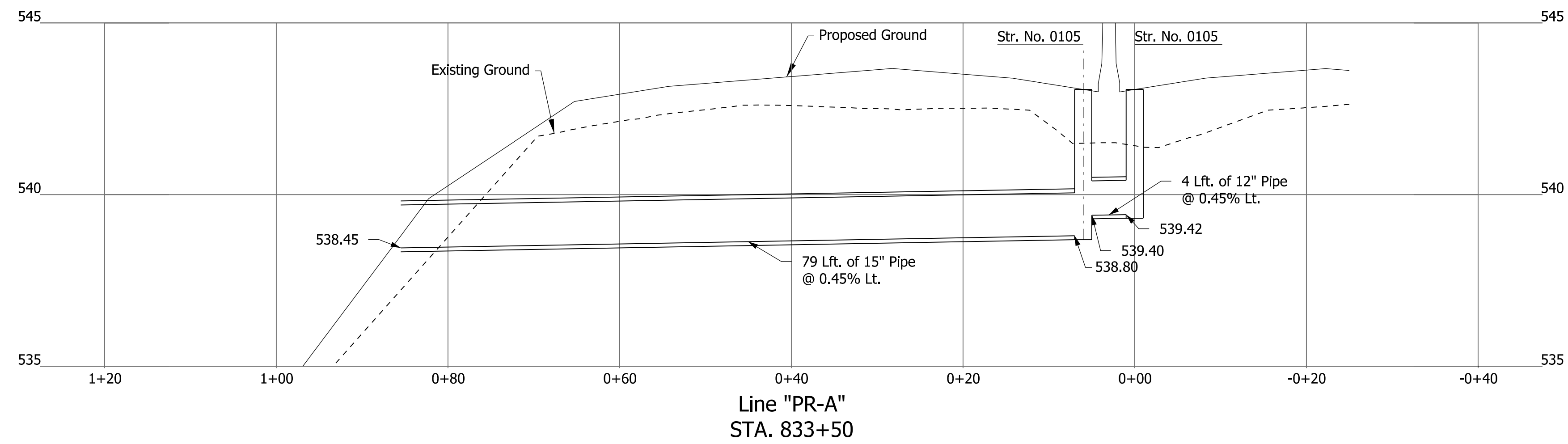
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ JMH _____	DRAWN: _____ JMH _____	
CHECKED: _____ MCS _____	CHECKED: _____ MCS _____	

INDIANA  
 DEPARTMENT OF TRANSPORTATION

**DRAINAGE CROSS SECTIONS**

HORIZONTAL SCALE	BRIDGE FILE
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VERTICAL SCALE	DESIGNATION
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SURVEY BOOK	SHEETS DRXS-01
ELECTRONIC	236 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



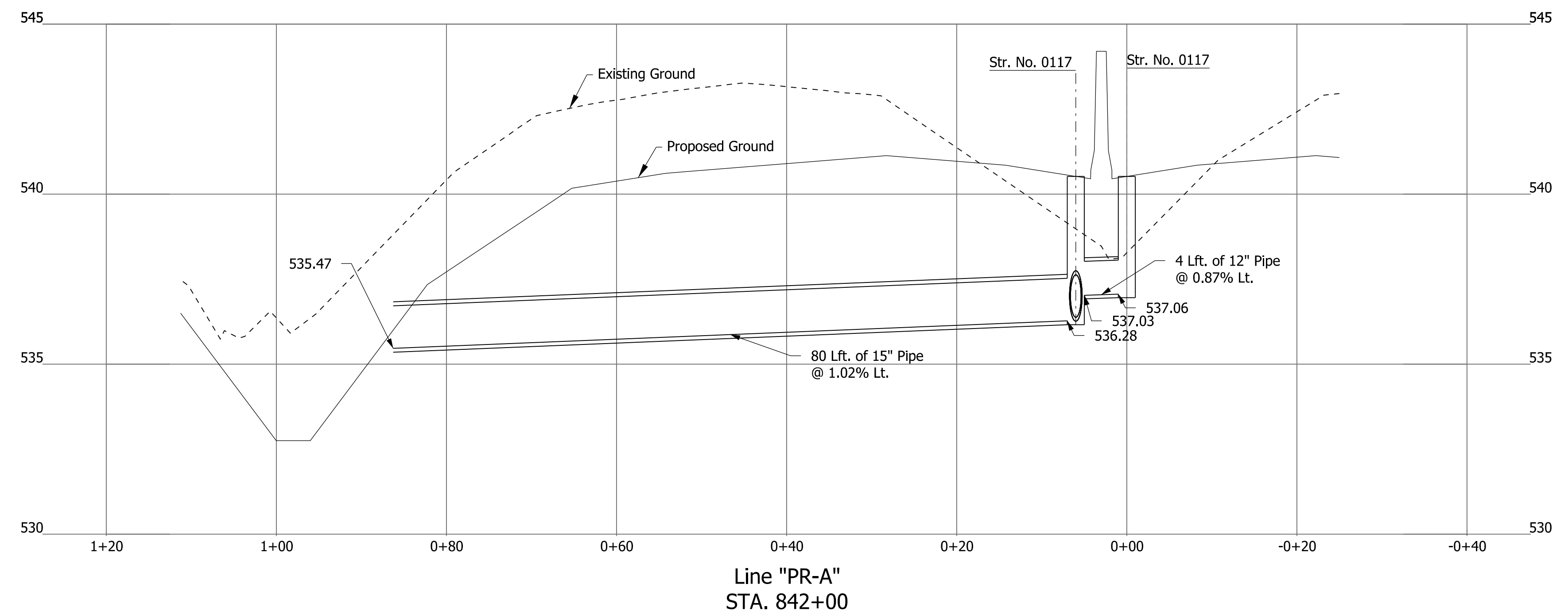
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 NOT FOR CONSTRUCTION

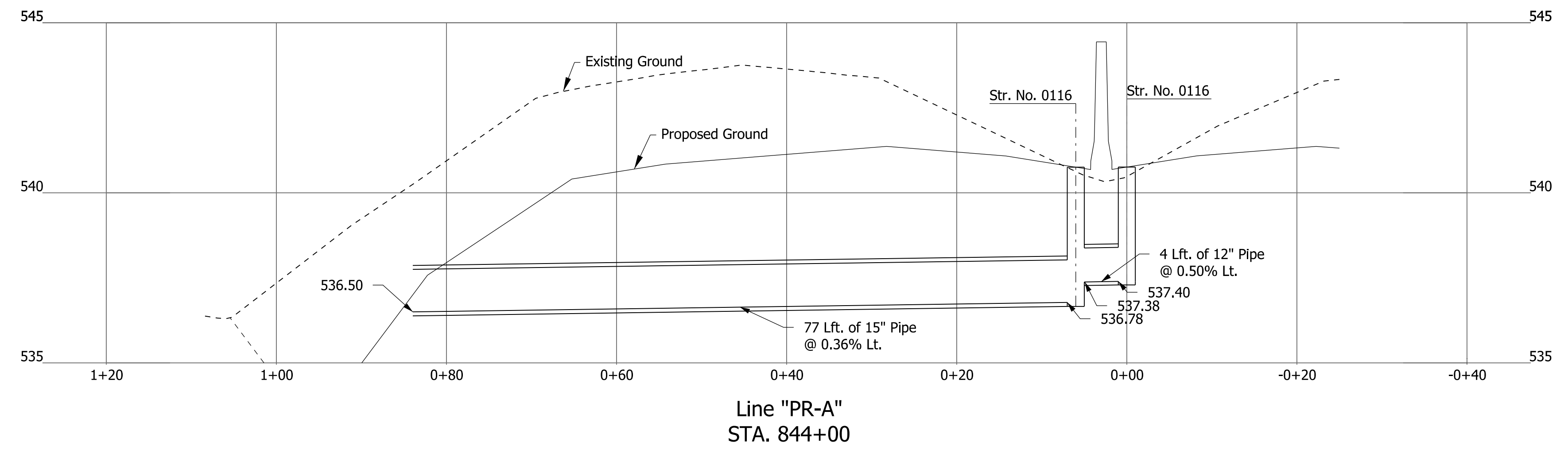
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DESIGNED: _____ JMH _____	DRAWN: _____ JMH _____	
CHECKED: _____ MCS _____	CHECKED: _____ MCS _____	

INDIANA  
 DEPARTMENT OF TRANSPORTATION  
  
**DRAINAGE CROSS SECTIONS**

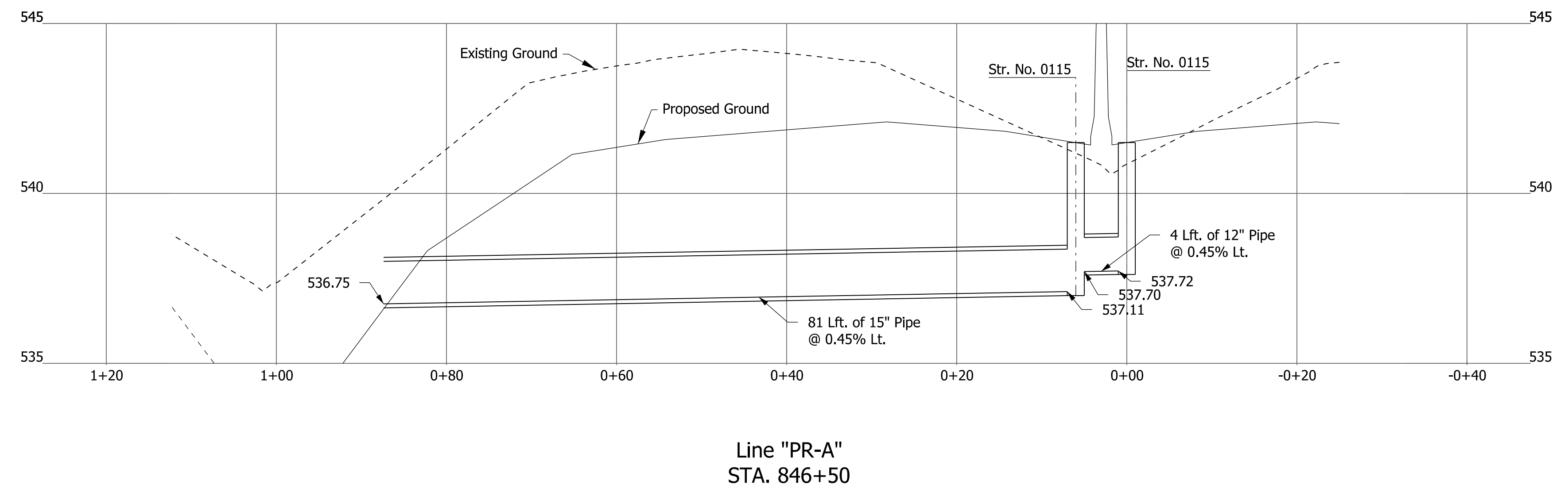
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VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-02
ELECTRONIC	237 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



Line "PR-A"  
STA. 842+00



Line "PR-A"  
STA. 844+00



Line "PR-A"  
STA. 846+50

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NOT FOR CONSTRUCTION

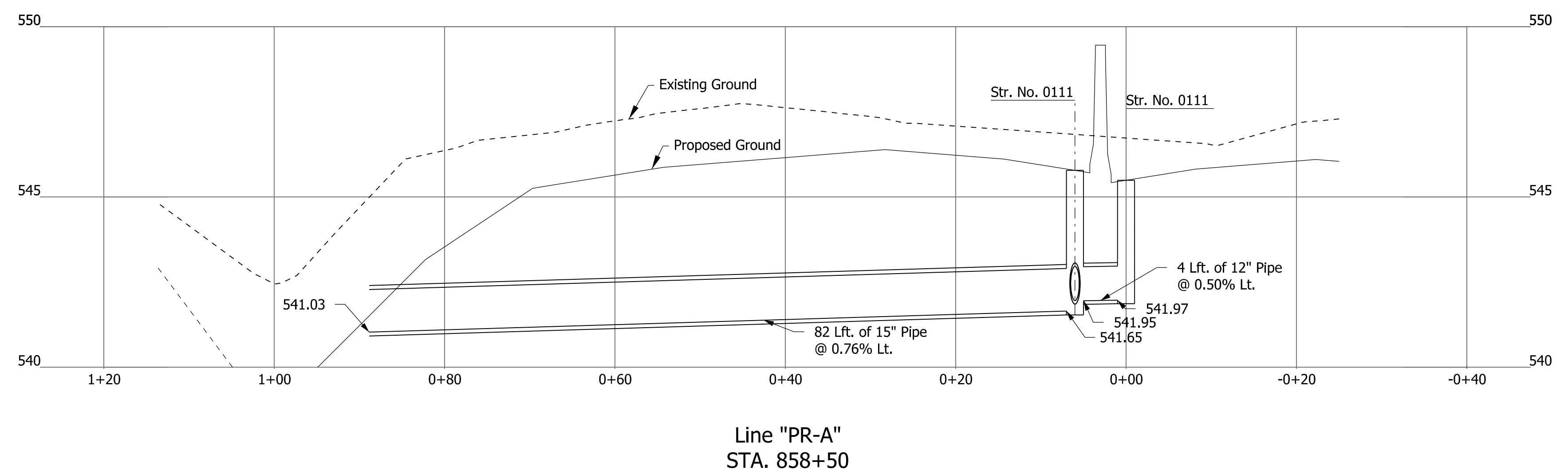
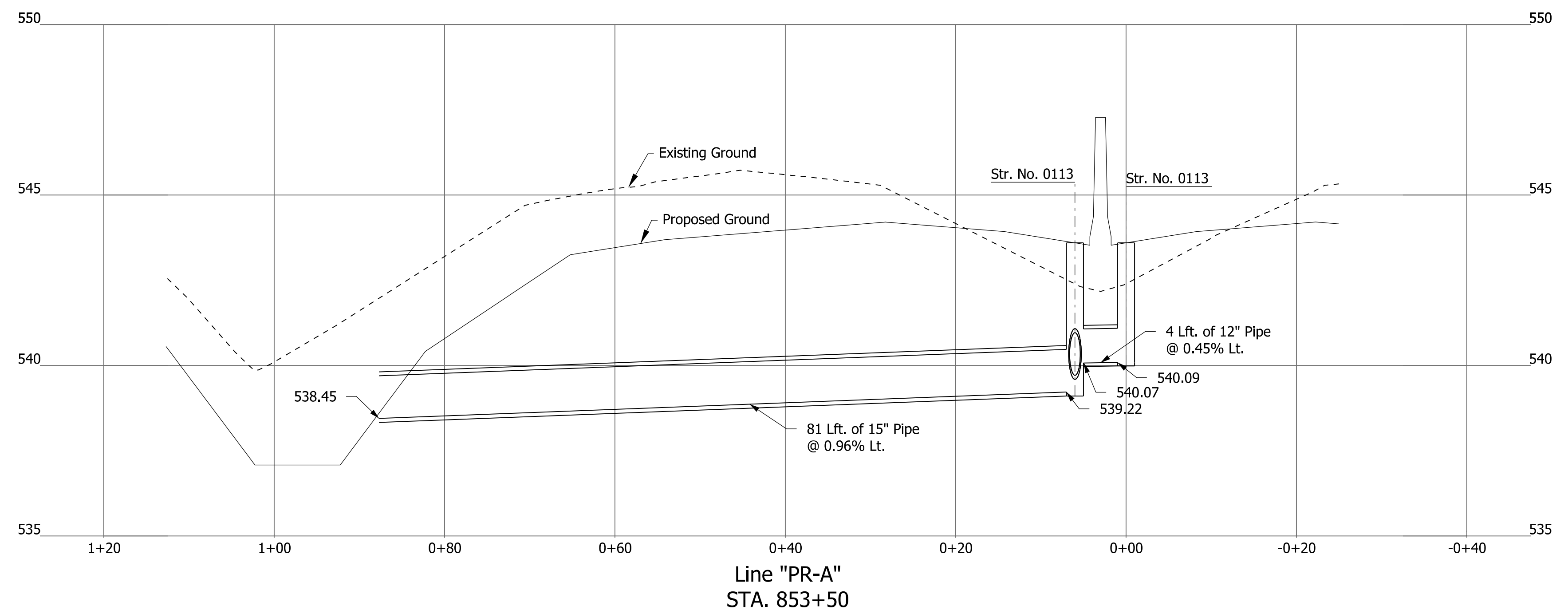
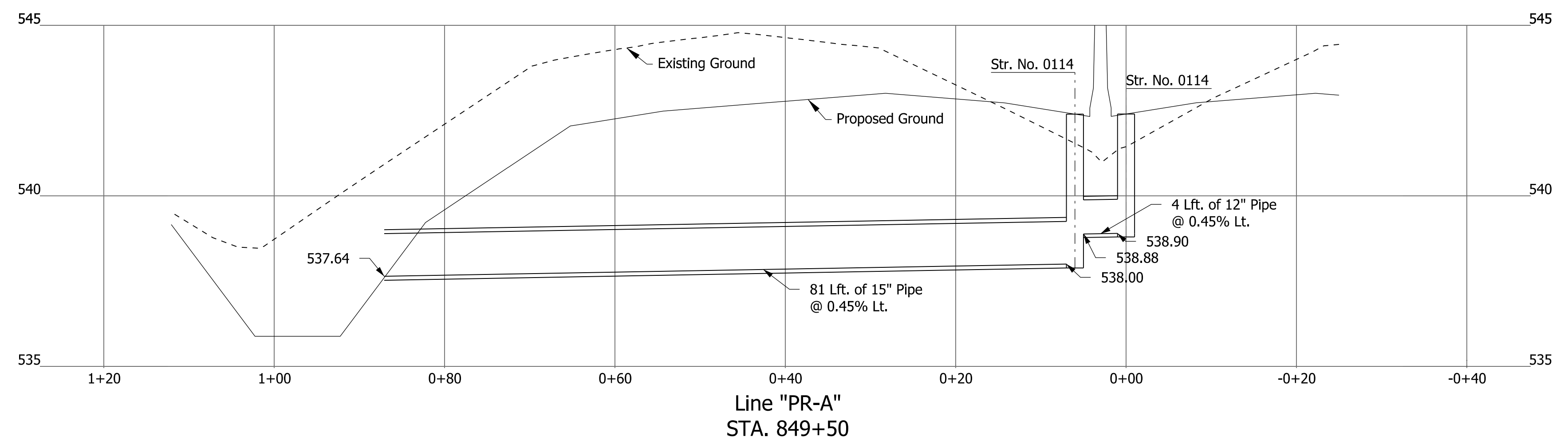
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ JMH _____	DRAWN: _____ JMH _____	
CHECKED: _____ MCS _____	CHECKED: _____ MCS _____	

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE CROSS SECTIONS**

HORIZONTAL SCALE	BRIDGE FILE
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VERTICAL SCALE	DESIGNATION
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SURVEY BOOK	SHEETS DRXS-03
ELECTRONIC	238 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

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NOT FOR CONSTRUCTION

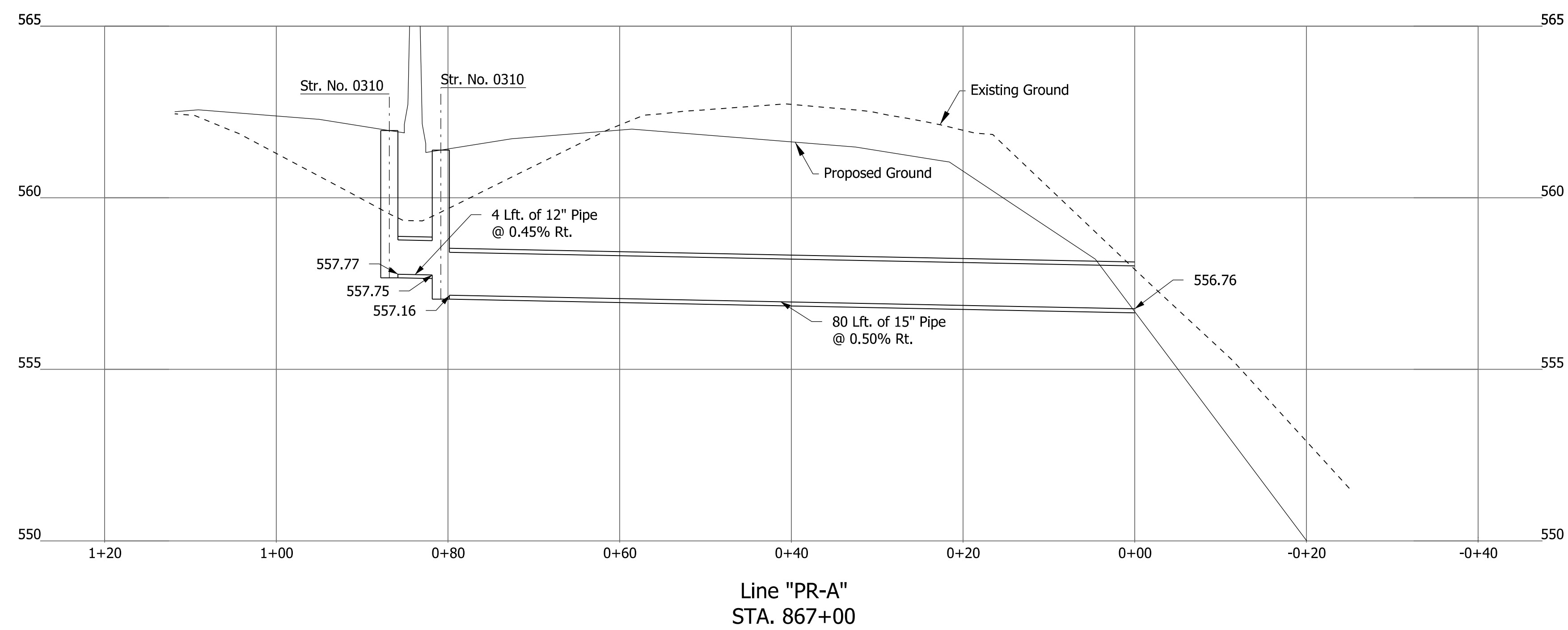
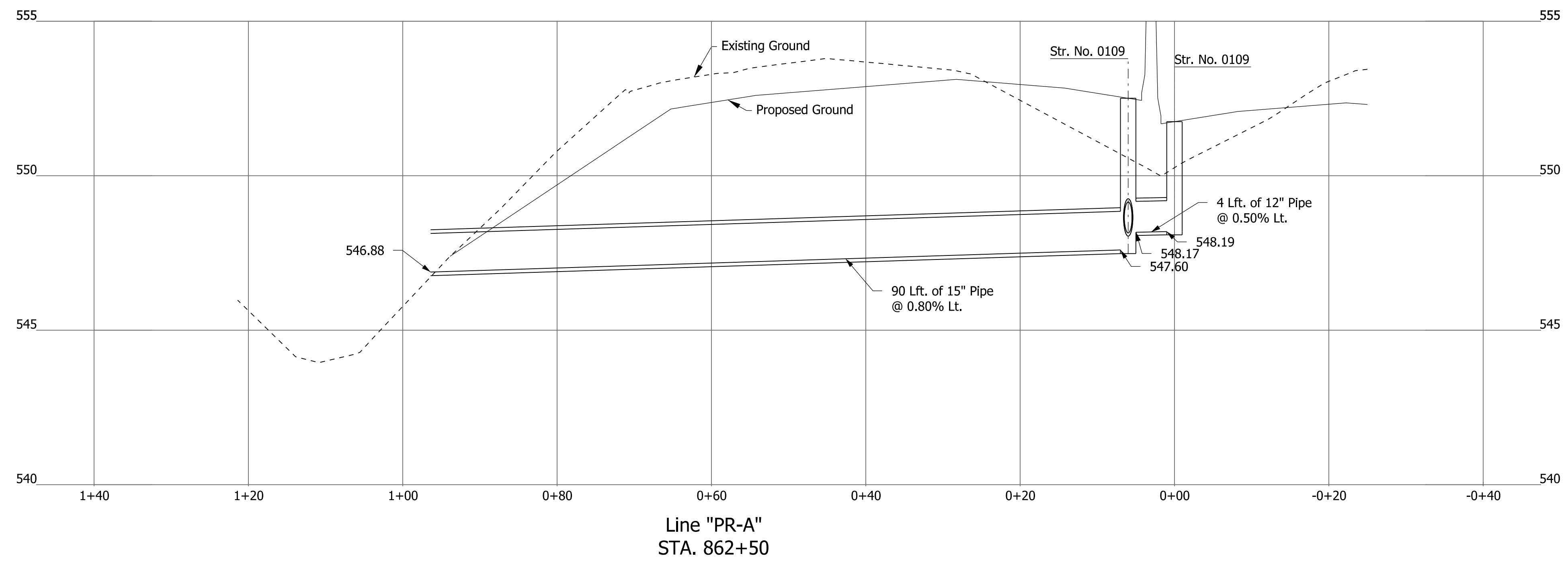
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ JMH _____	DRAWN: _____ JMH _____	
CHECKED: _____ MCS _____	CHECKED: _____ MCS _____	

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE CROSS SECTIONS**

HORIZONTAL SCALE	BRIDGE FILE
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VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-04
ELECTRONIC	239 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

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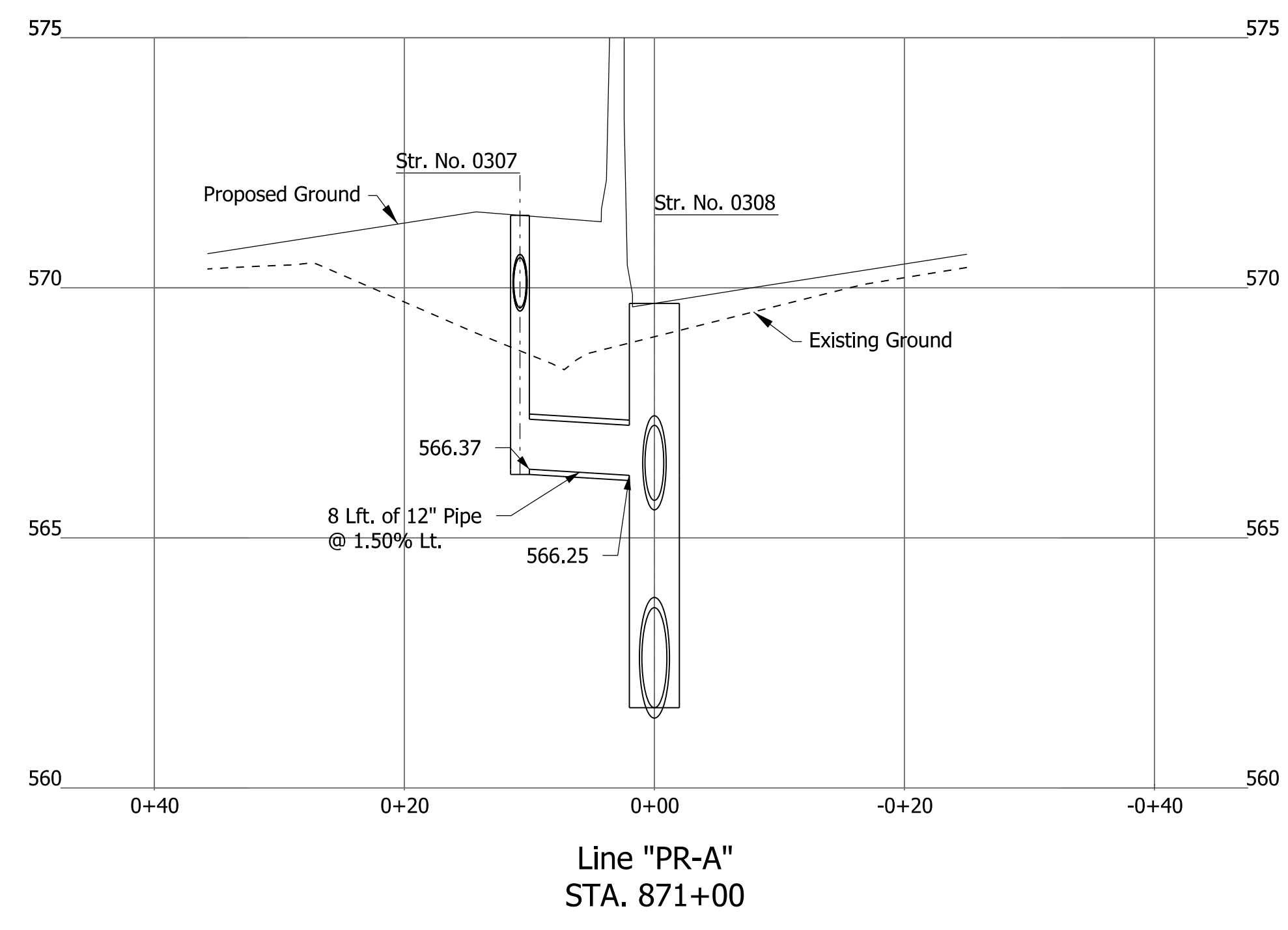
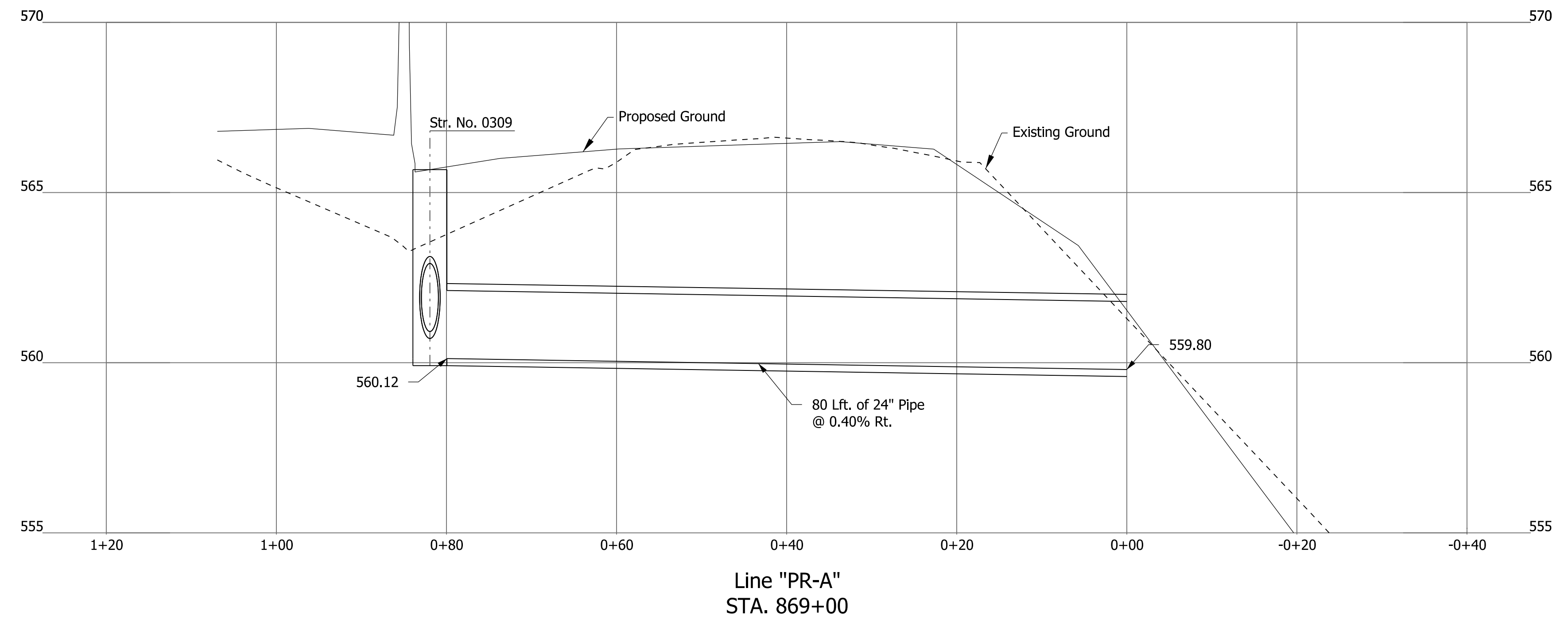
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ JMH _____	DRAWN: _____ JMH _____	
CHECKED: _____ MCS _____	CHECKED: _____ MCS _____	

INDIANA  
DEPARTMENT OF TRANSPORTATION

DRAINAGE CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-05
ELECTRONIC	240 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



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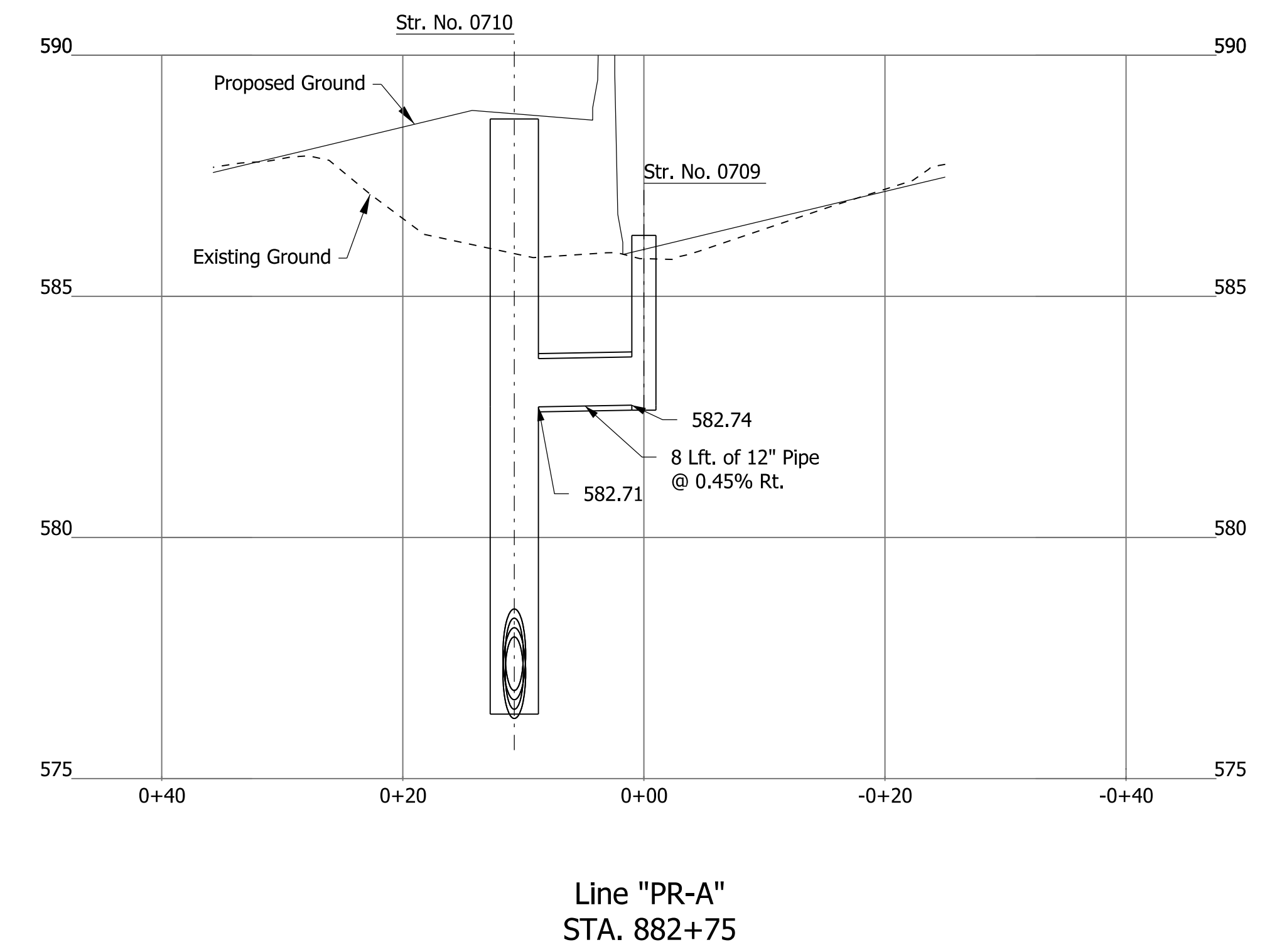
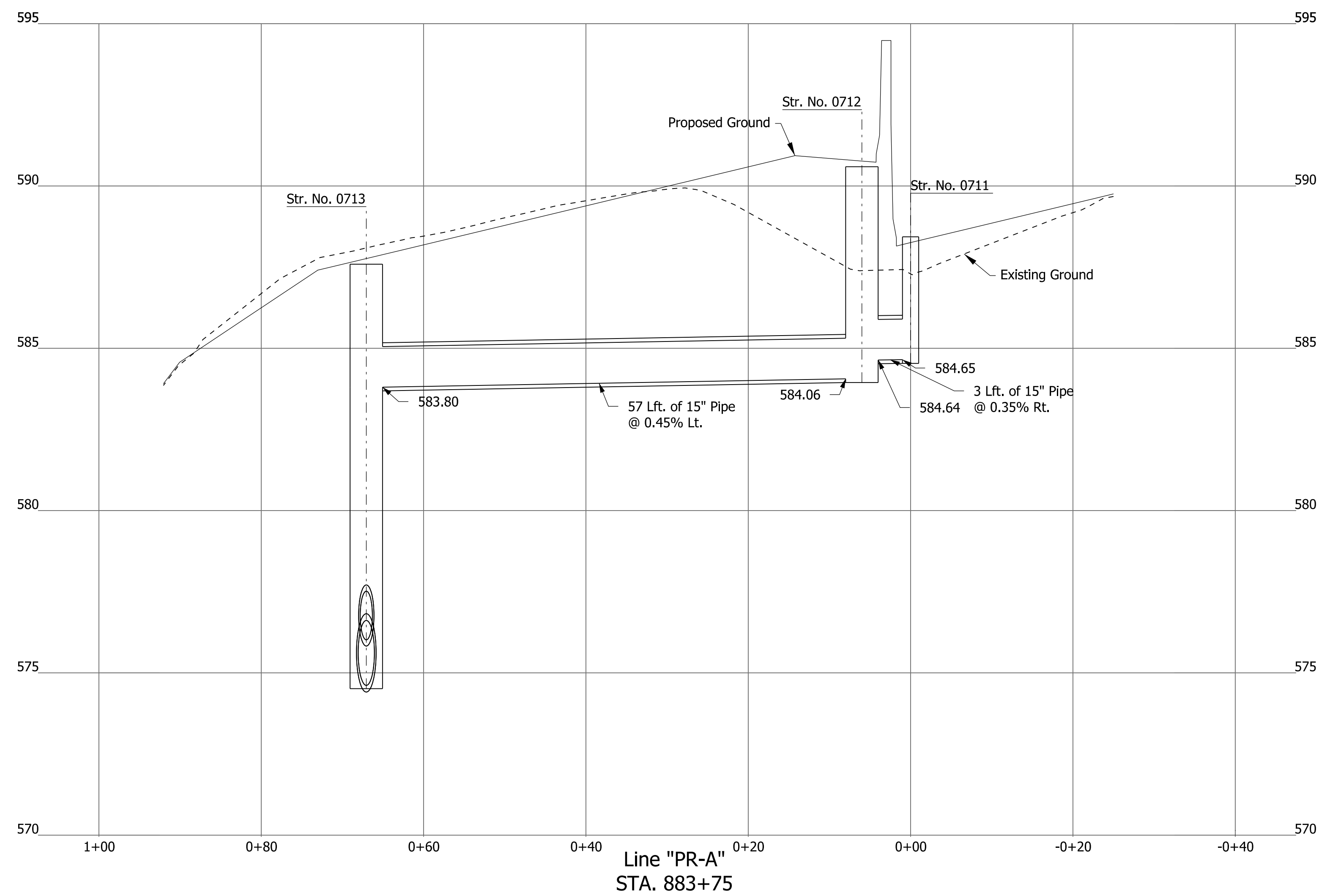
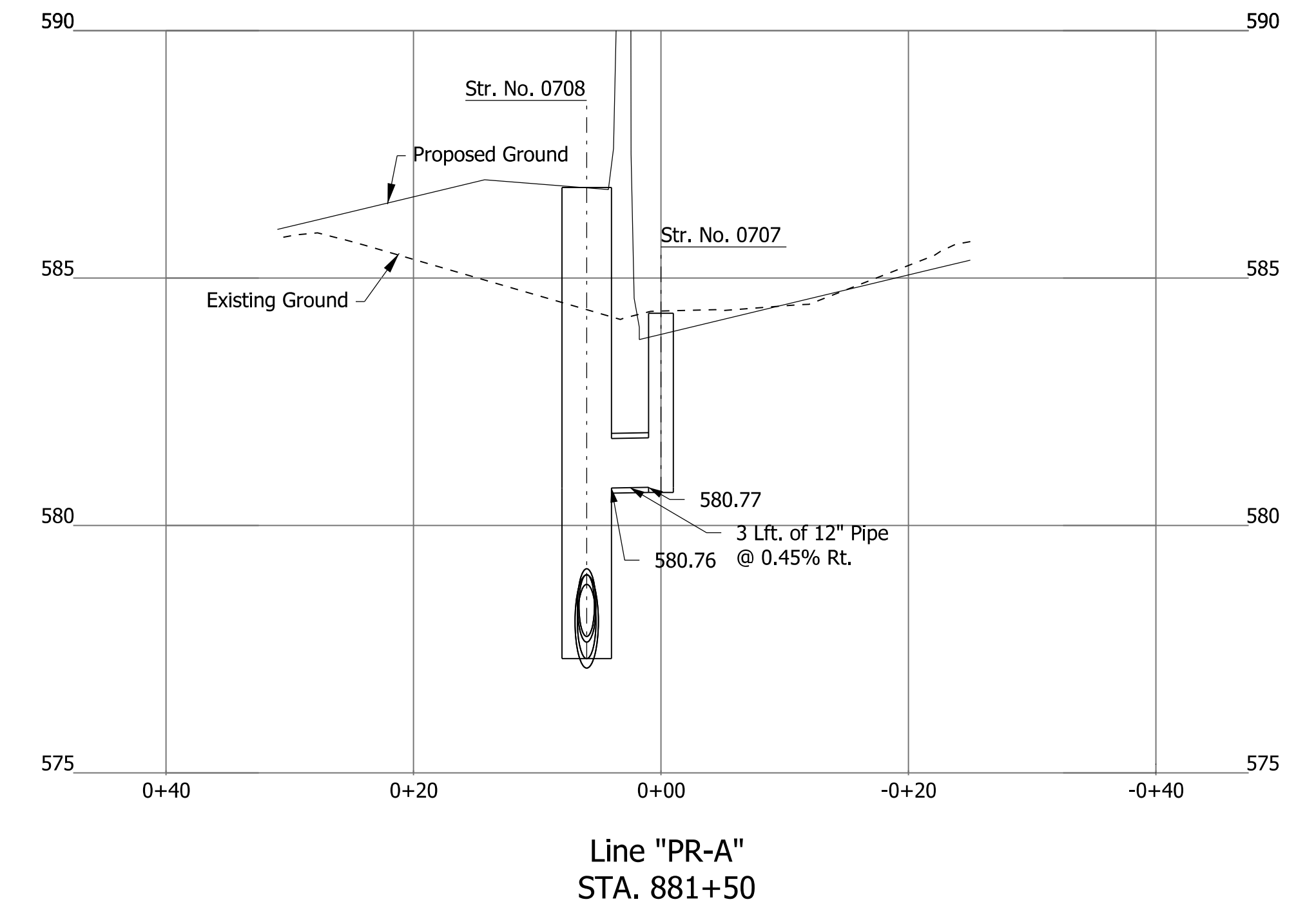
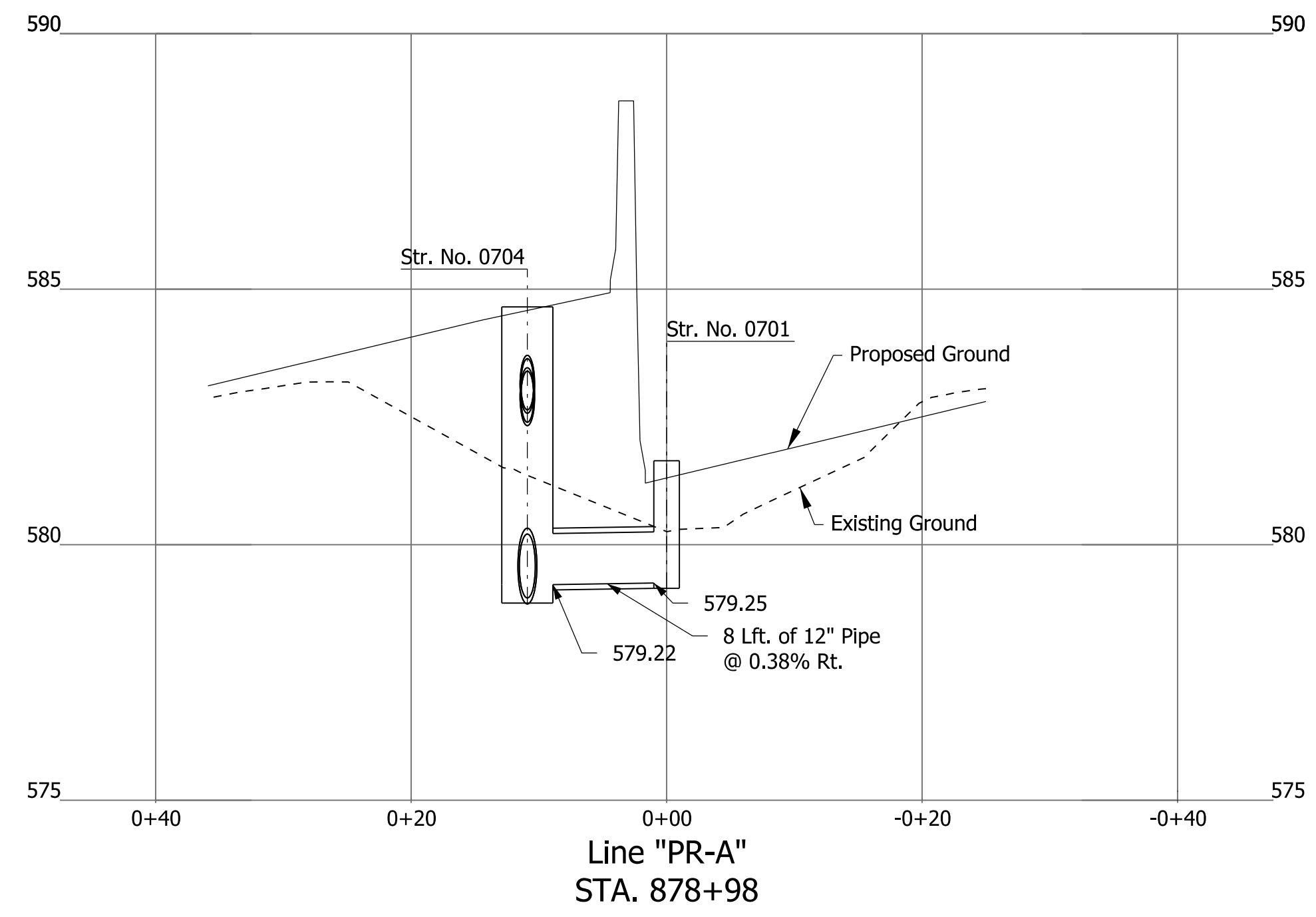
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ JMH _____	DRAWN: _____ JMH _____	
CHECKED: _____ MCS _____	CHECKED: _____ MCS _____	

INDIANA  
DEPARTMENT OF TRANSPORTATION

**DRAINAGE CROSS SECTIONS**

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-06
ELECTRONIC	241 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



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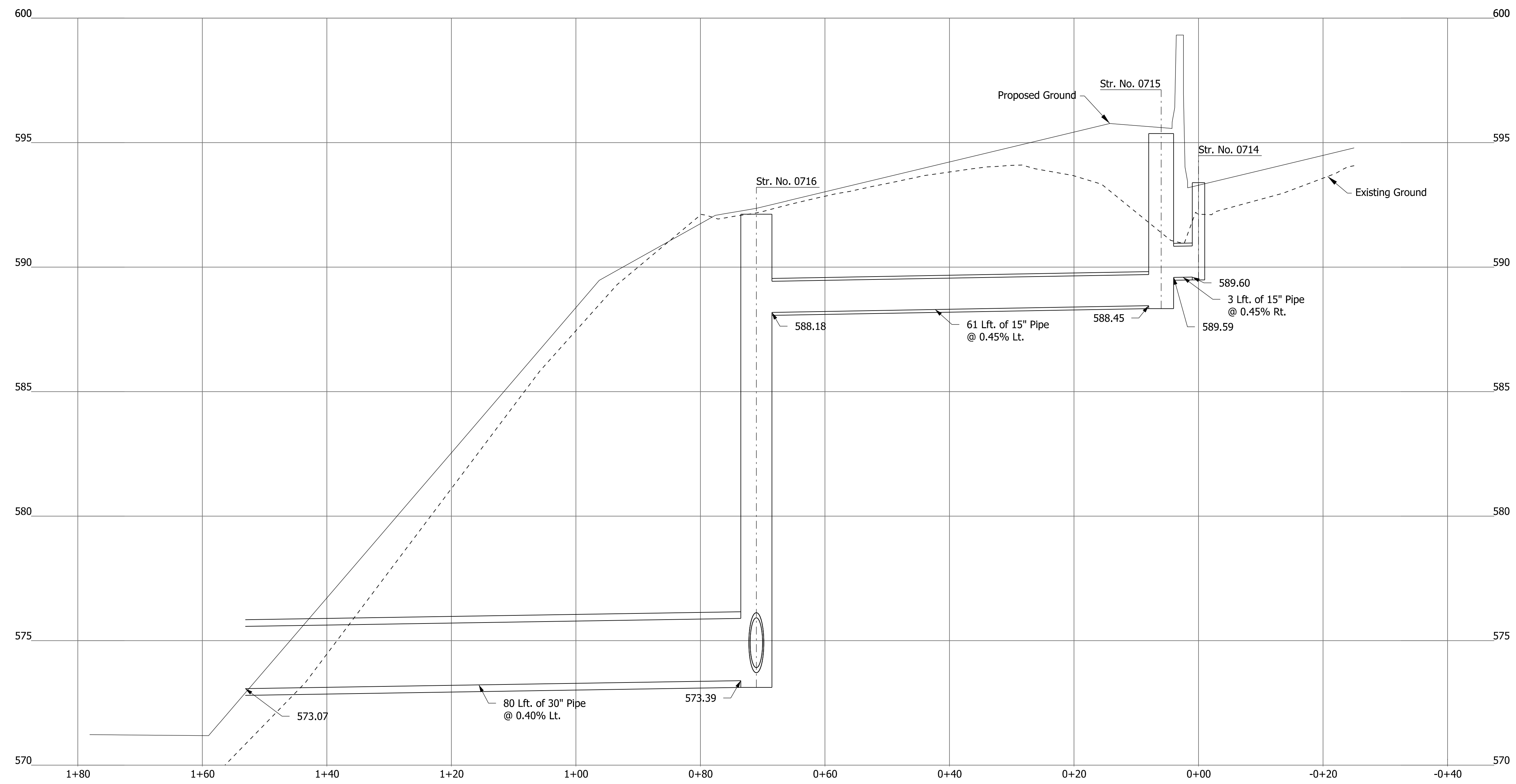
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MCS _____	DRAWN: _____ JMH _____	
CHECKED: _____ JMH _____	CHECKED: _____ MCS _____	

INDIANA  
DEPARTMENT OF TRANSPORTATION

DRAINAGE CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-07
ELECTRONIC	242 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049





Line "PR-A"  
STA. 885+50

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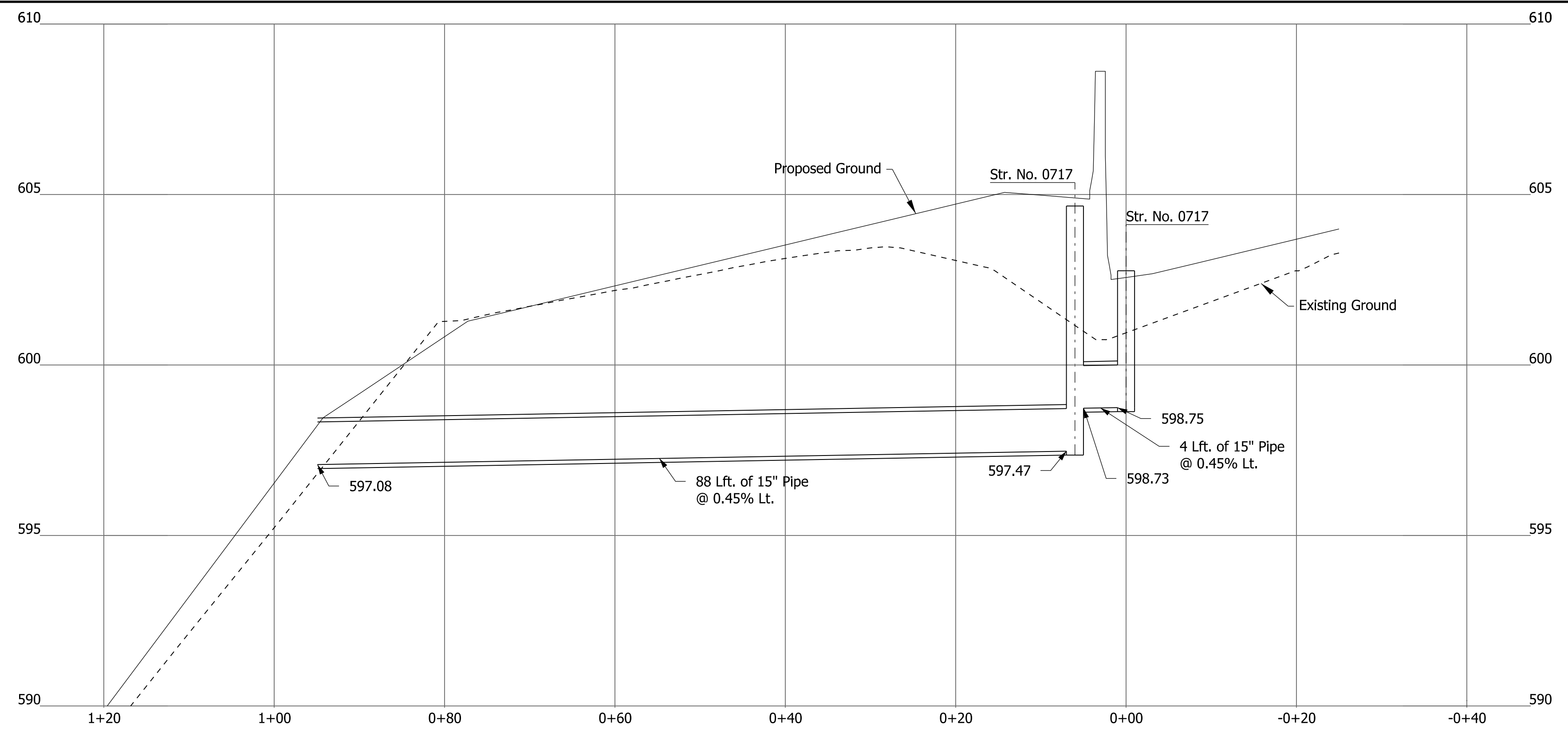
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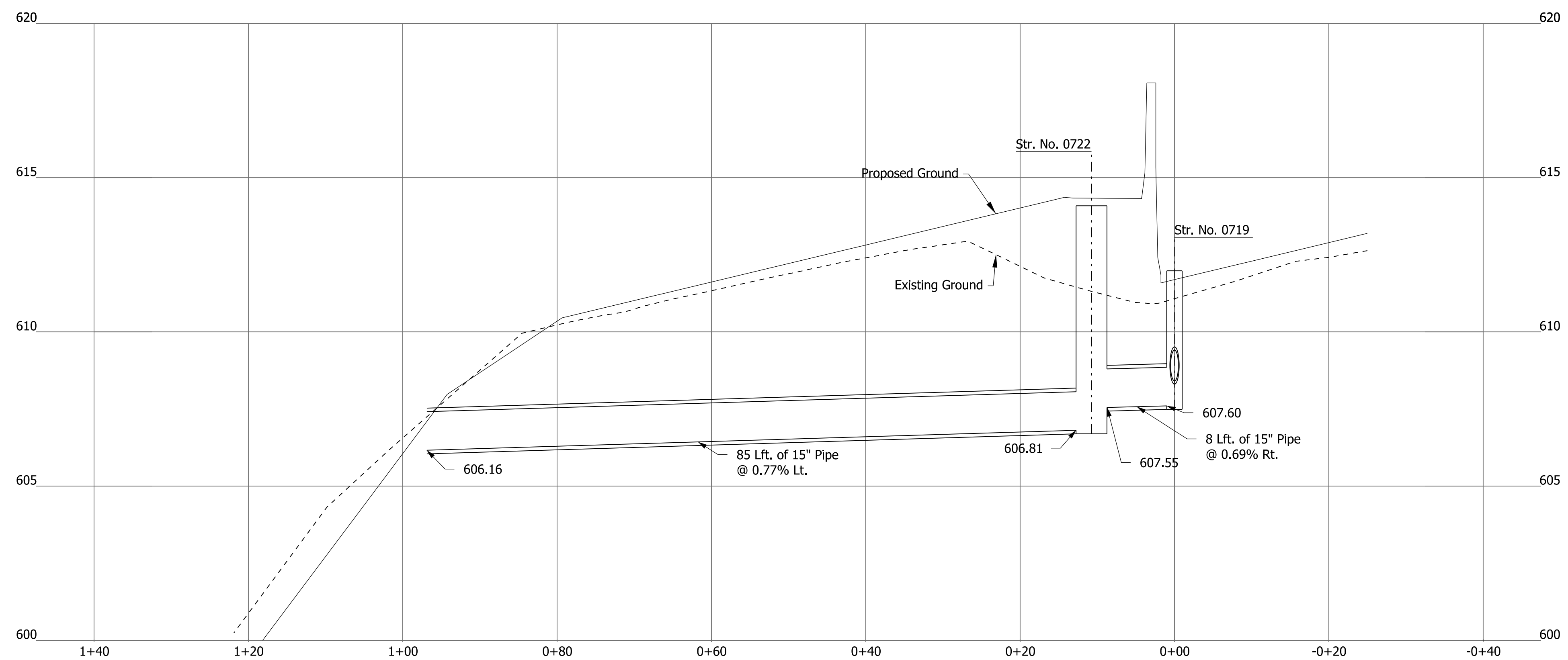
INDIANA  
DEPARTMENT OF TRANSPORTATION

DRAINAGE CROSS SECTIONS

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VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-08
ELECTRONIC	243 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



Line "PR-A"  
STA. 888+60



Line "PR-A"  
STA. 891+70

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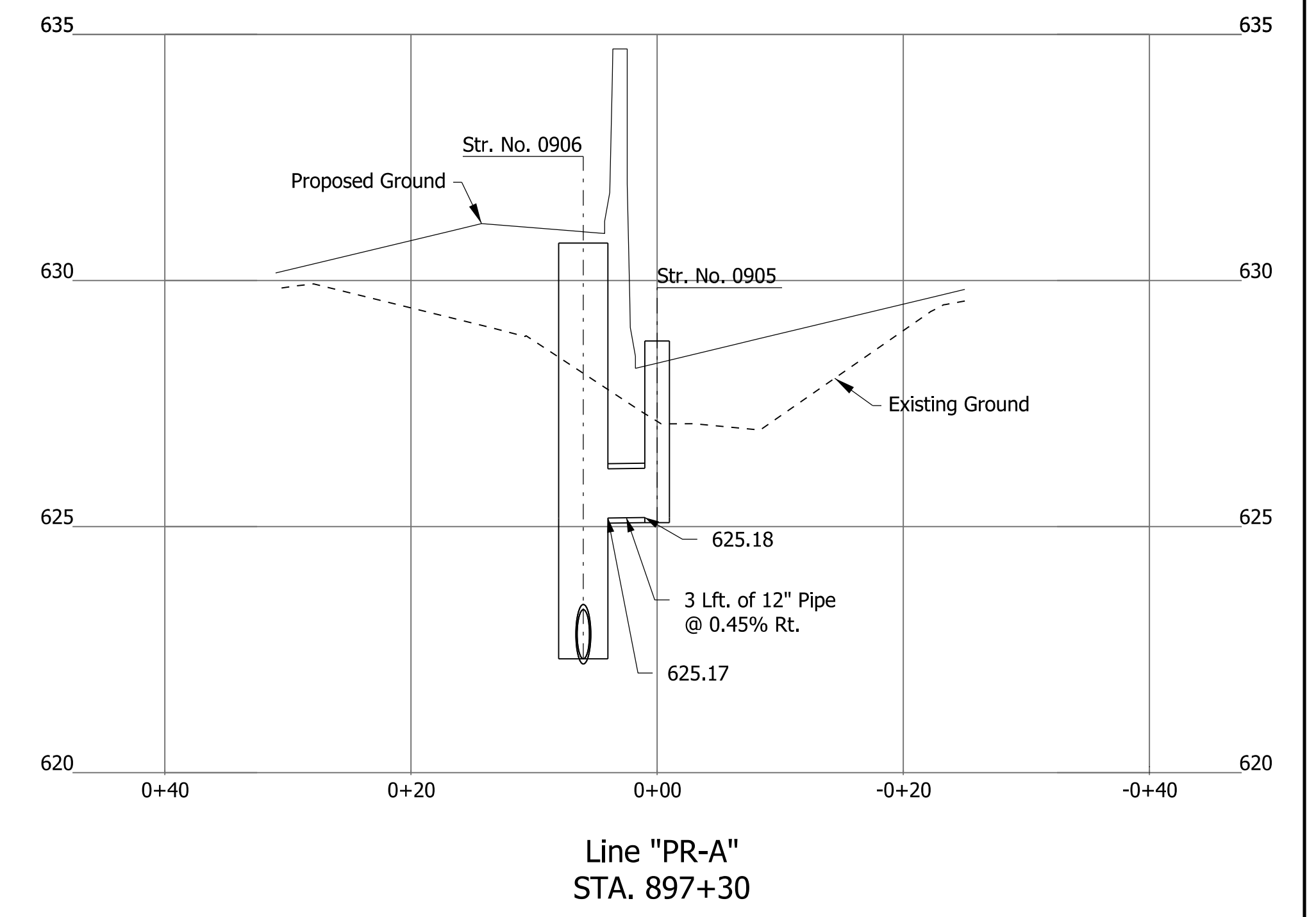
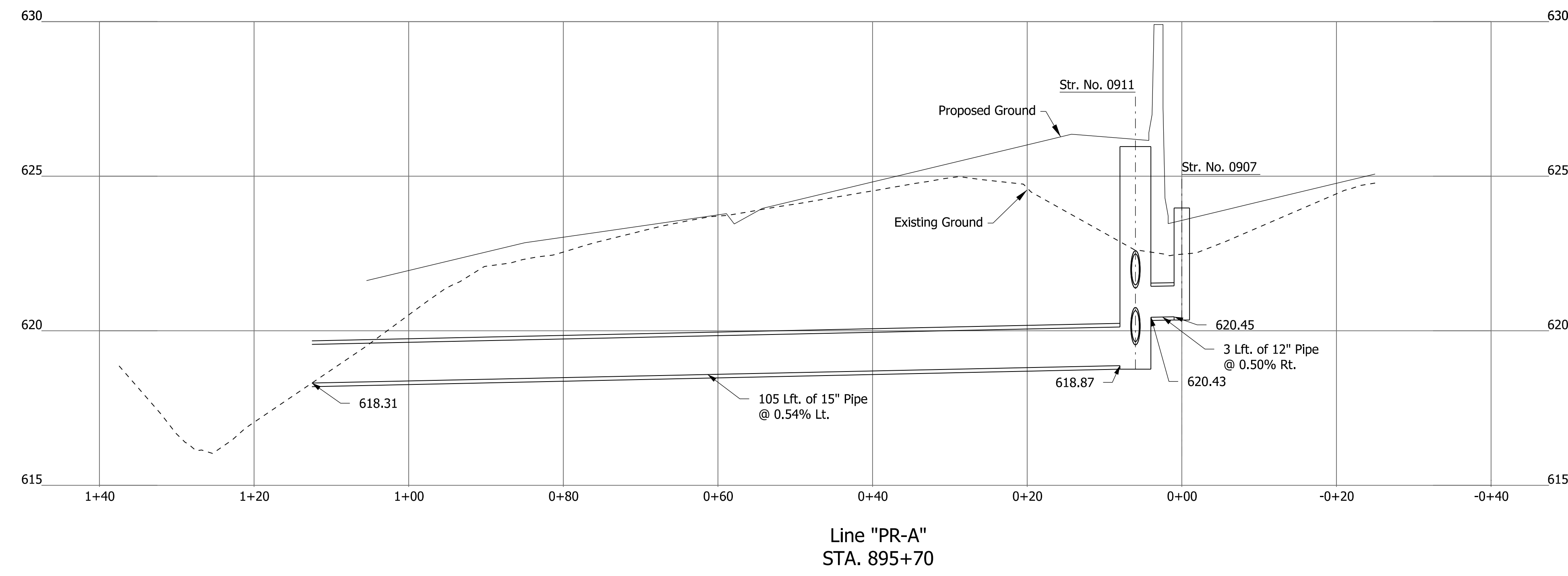
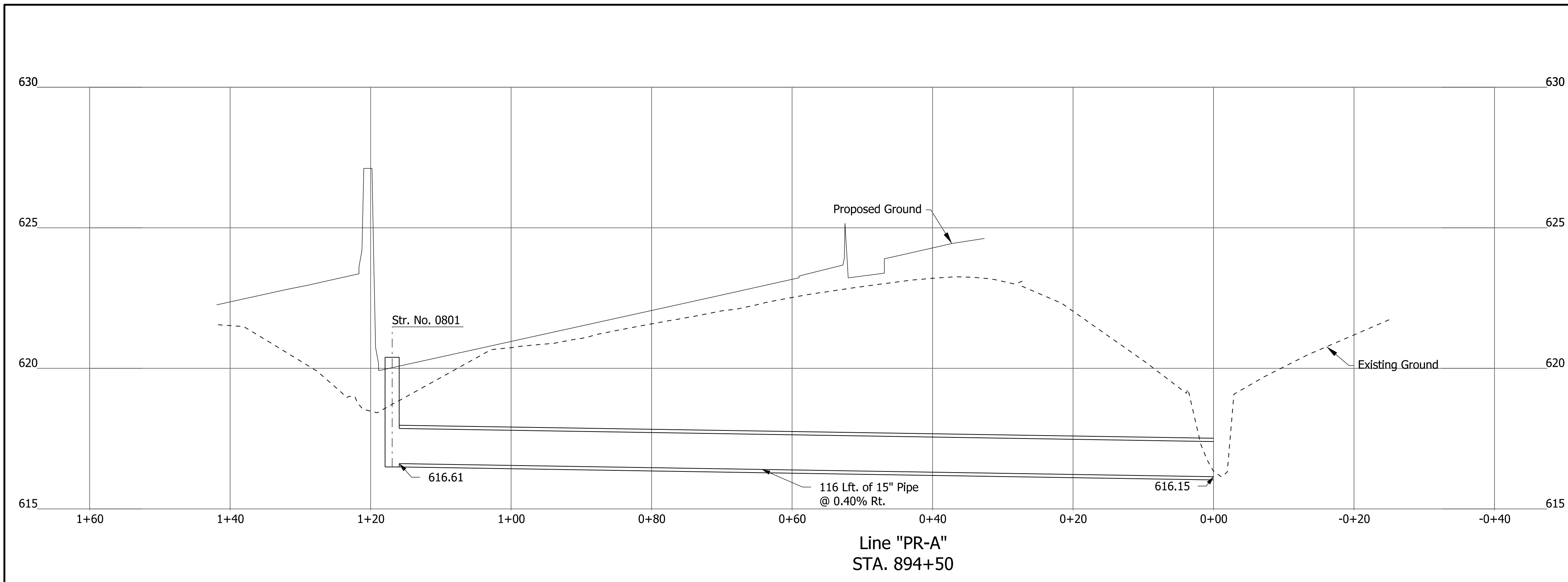
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MCS _____	DRAWN: _____ JMH _____	
CHECKED: _____ JMH _____	CHECKED: _____ MCS _____	

INDIANA  
DEPARTMENT OF TRANSPORTATION

DRAINAGE CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-09
ELECTRONIC	244 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



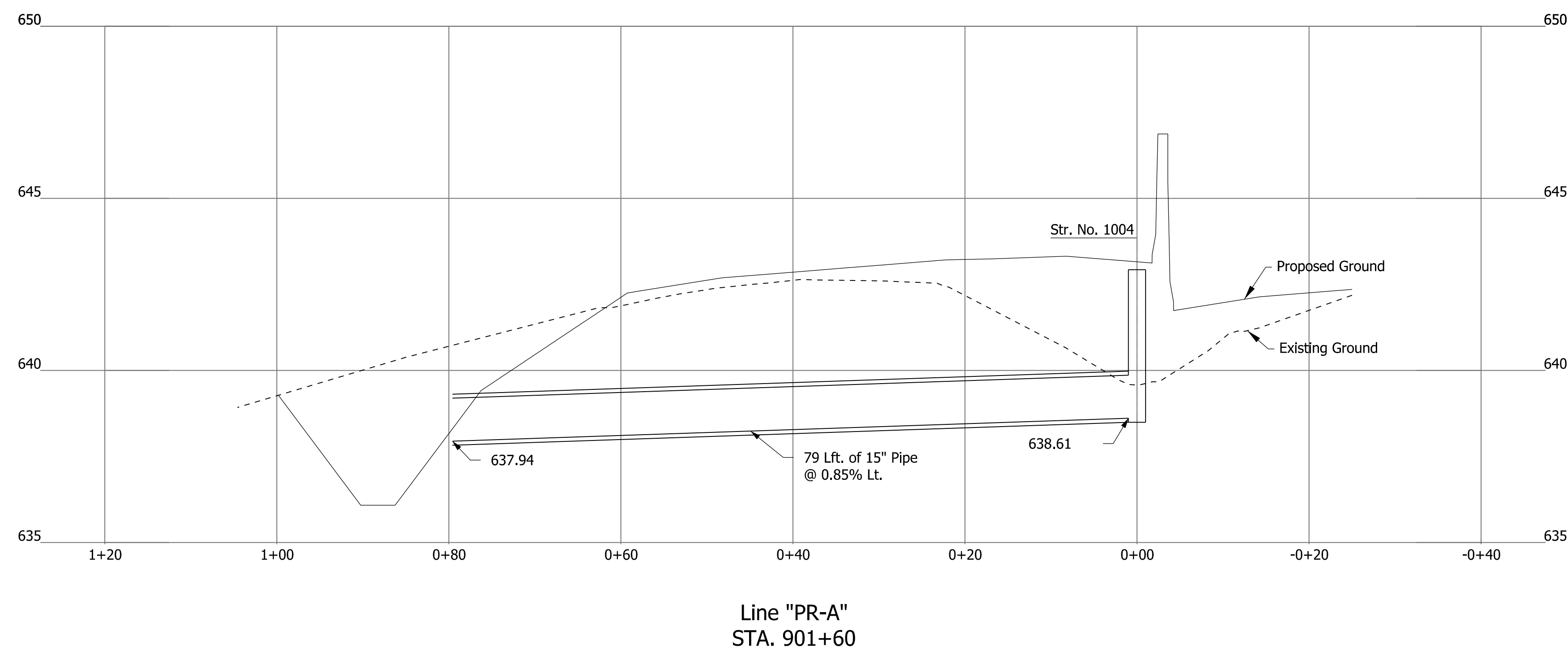
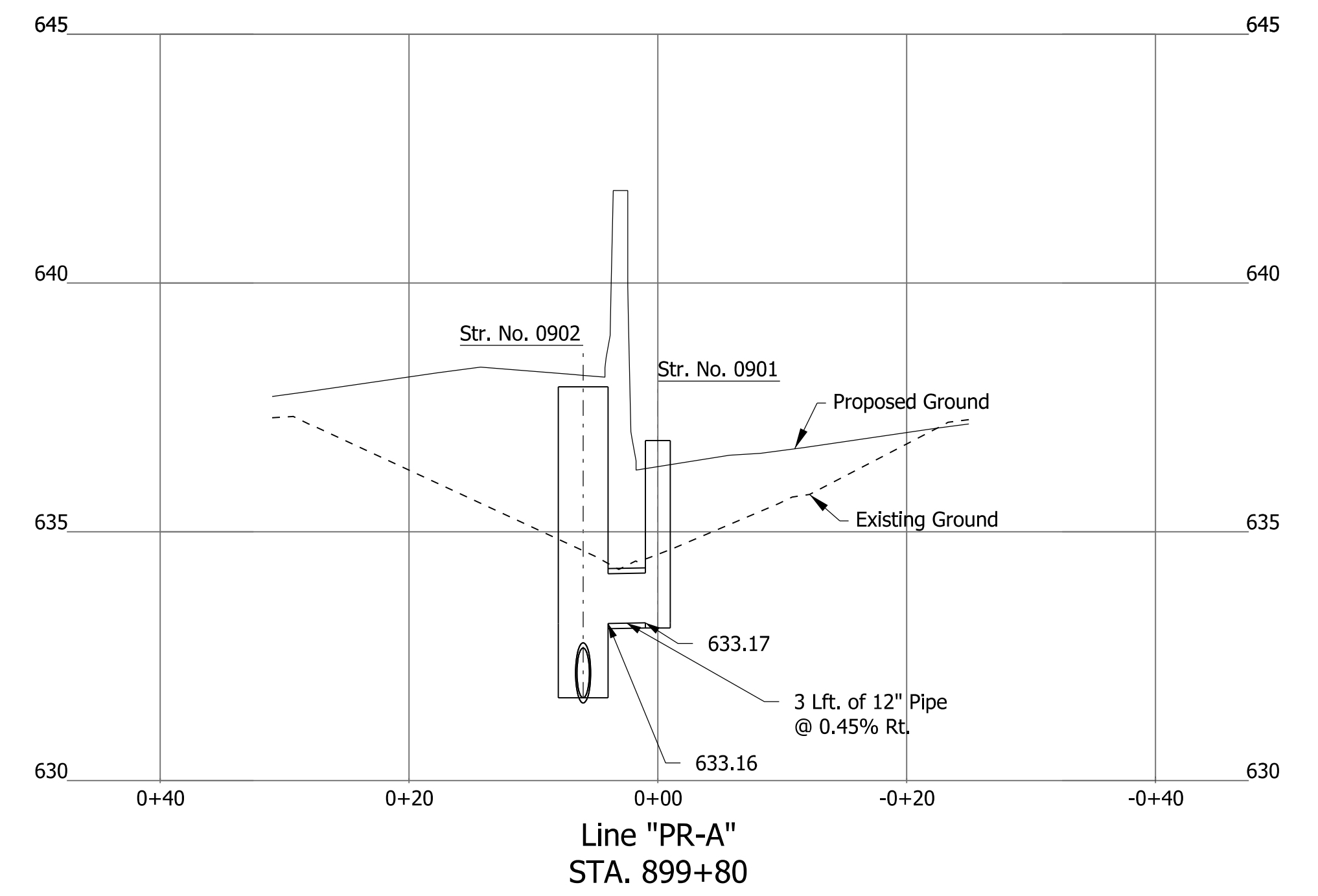
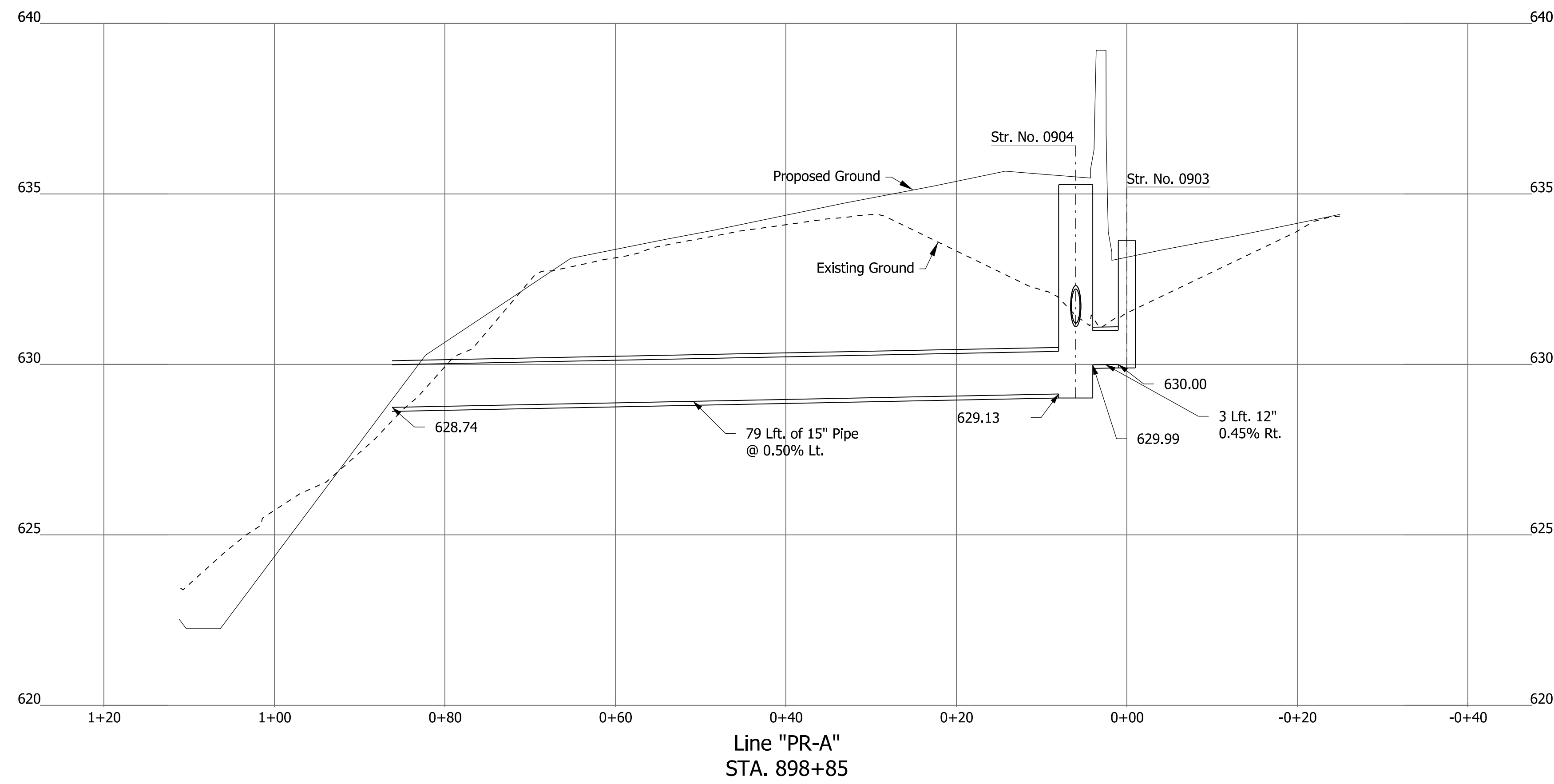
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**DRAFT**  
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MCS _____	DRAWN: _____ JMH _____	
CHECKED: _____ JMH _____	CHECKED: _____ MCS _____	

INDIANA  
 DEPARTMENT OF TRANSPORTATION  
  
 DRAINAGE CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-10
ELECTRONIC	245 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



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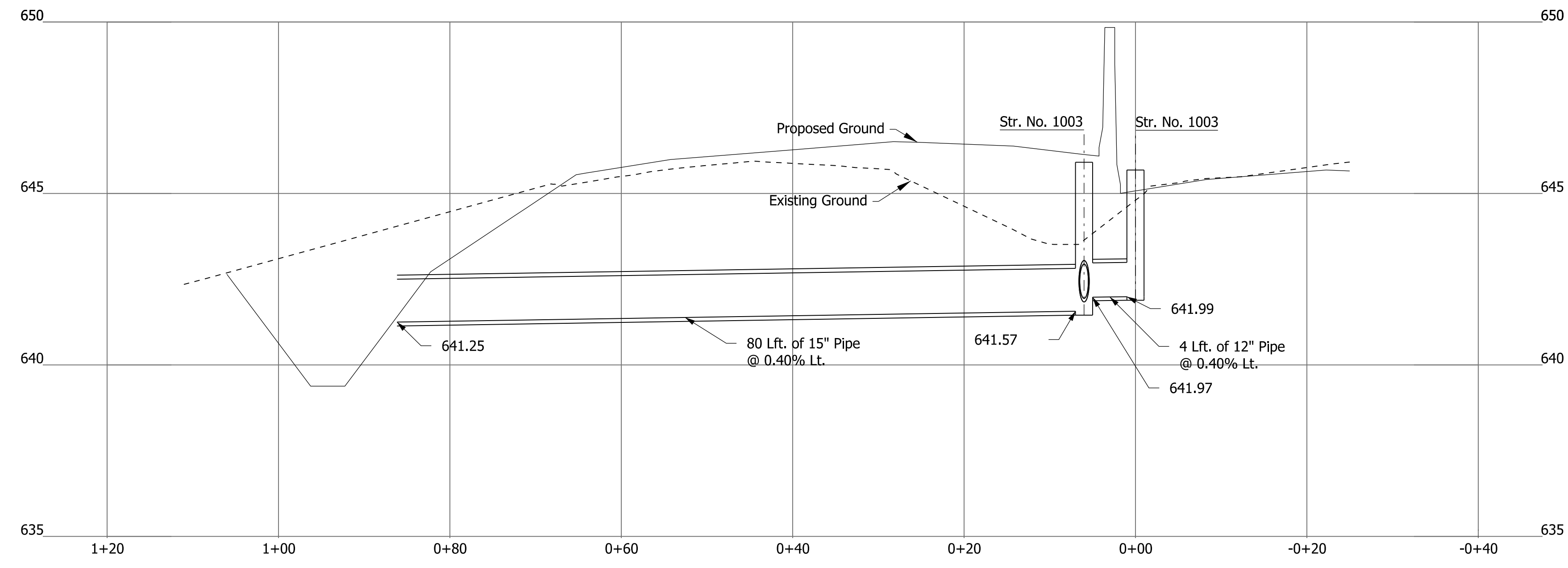
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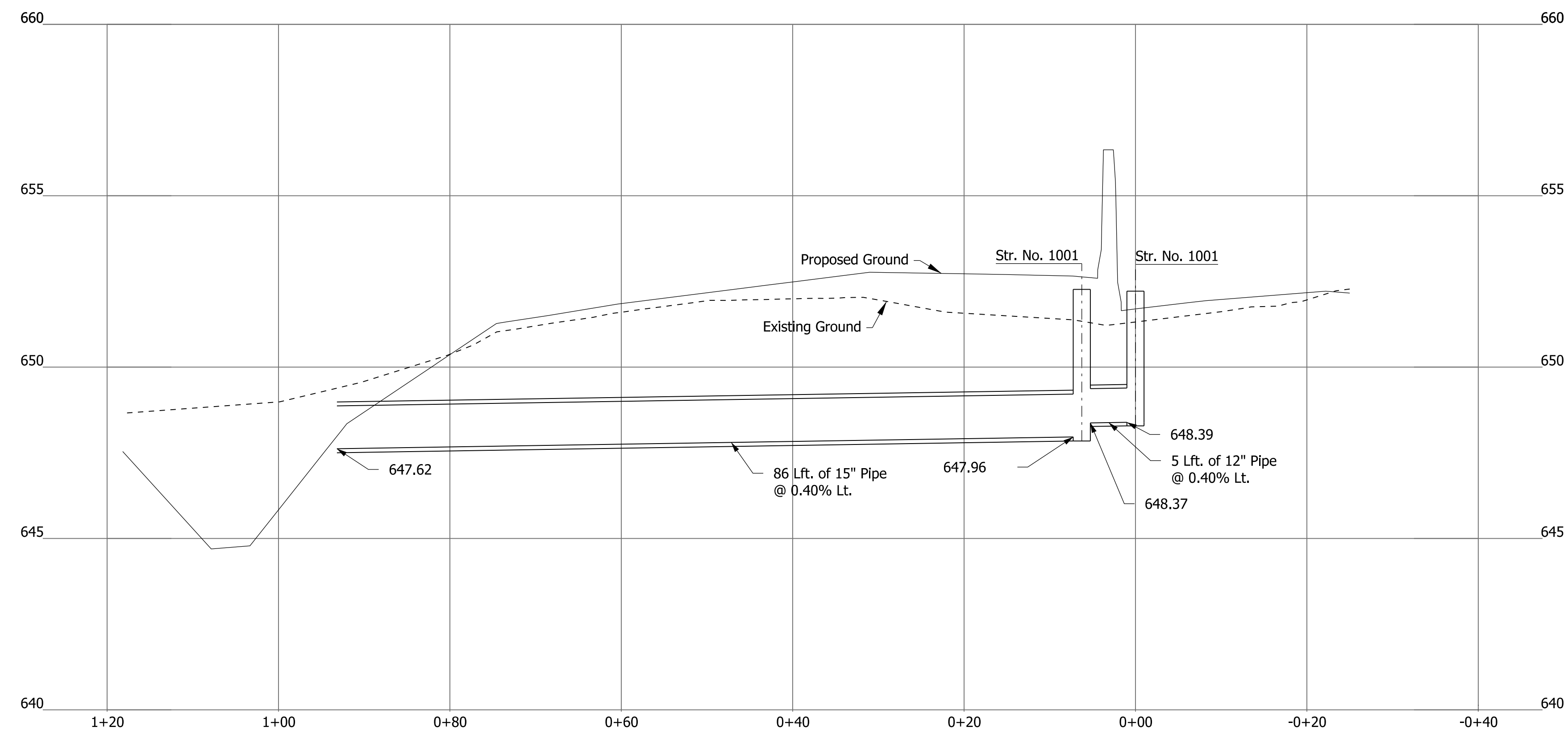
INDIANA  
DEPARTMENT OF TRANSPORTATION

DRAINAGE CROSS SECTIONS

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VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-11
ELECTRONIC	246 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



Line "PR-A"  
STA. 902+70



Line "PR-A"  
STA. 904+90

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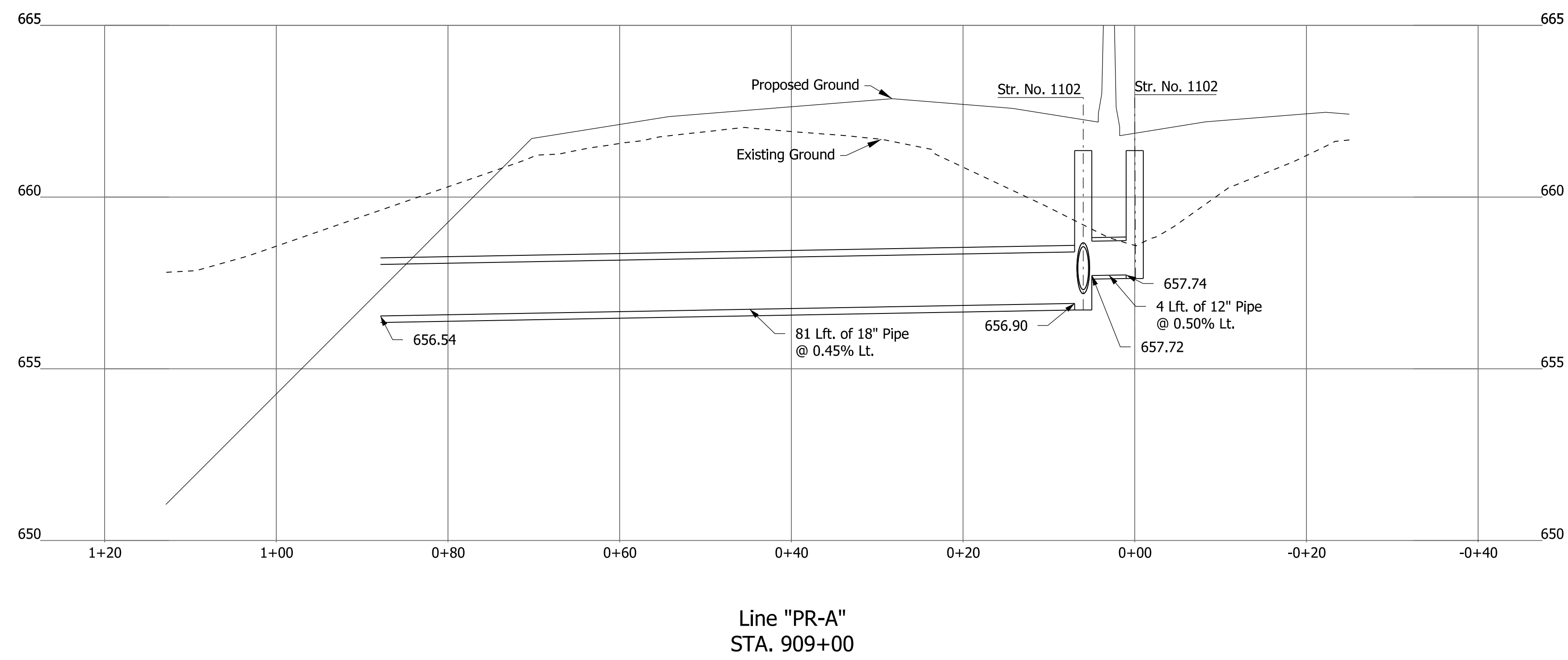
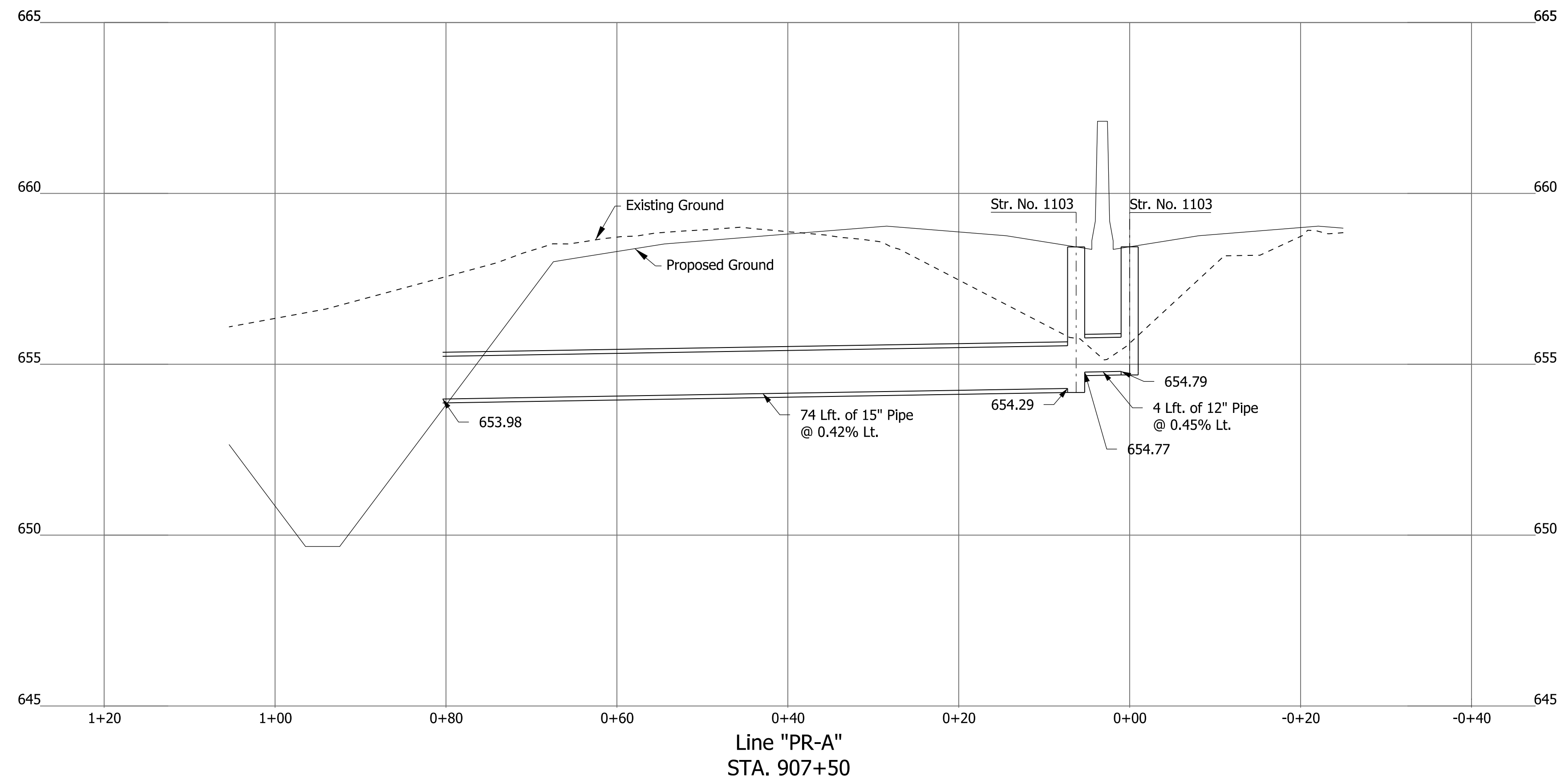
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NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MCS _____	DRAWN: _____ JMH _____	
CHECKED: _____ JMH _____	CHECKED: _____ MCS _____	

INDIANA  
DEPARTMENT OF TRANSPORTATION

**DRAINAGE CROSS SECTIONS**

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-12
ELECTRONIC	247 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



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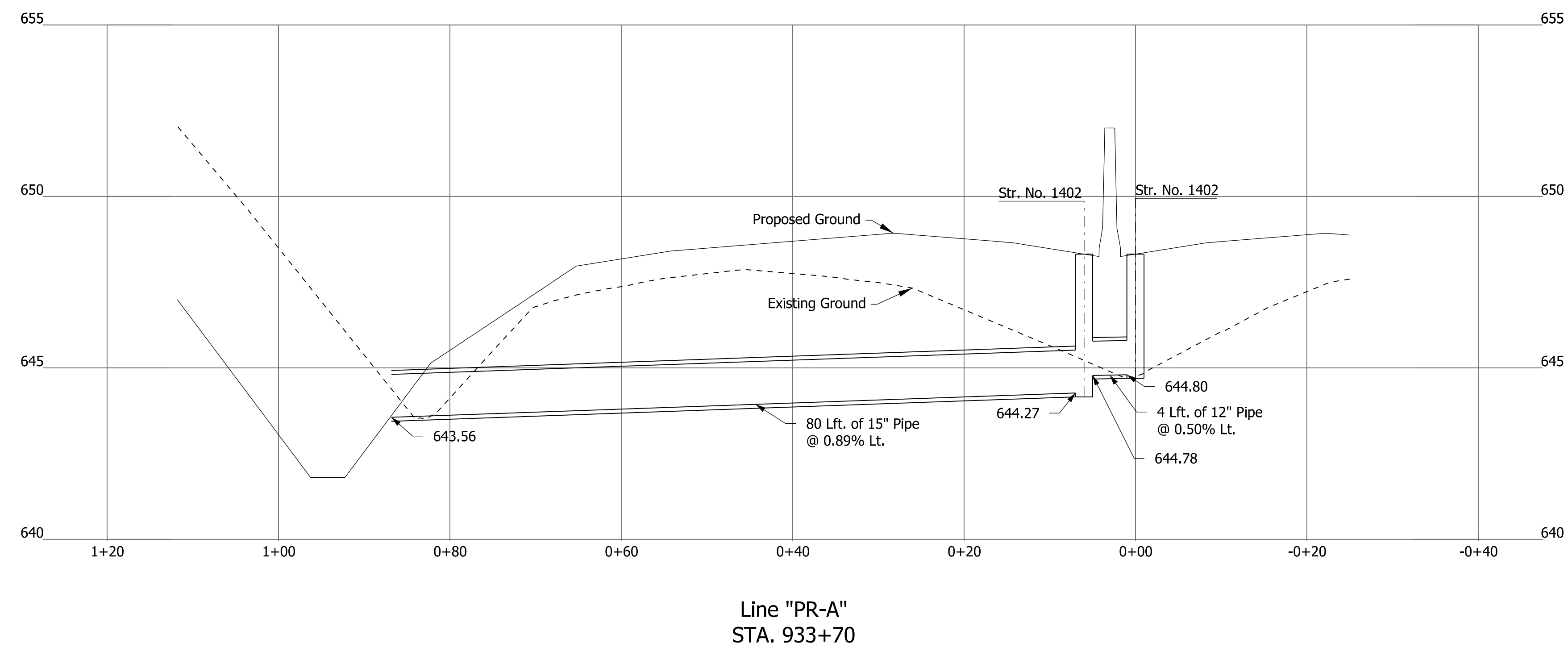
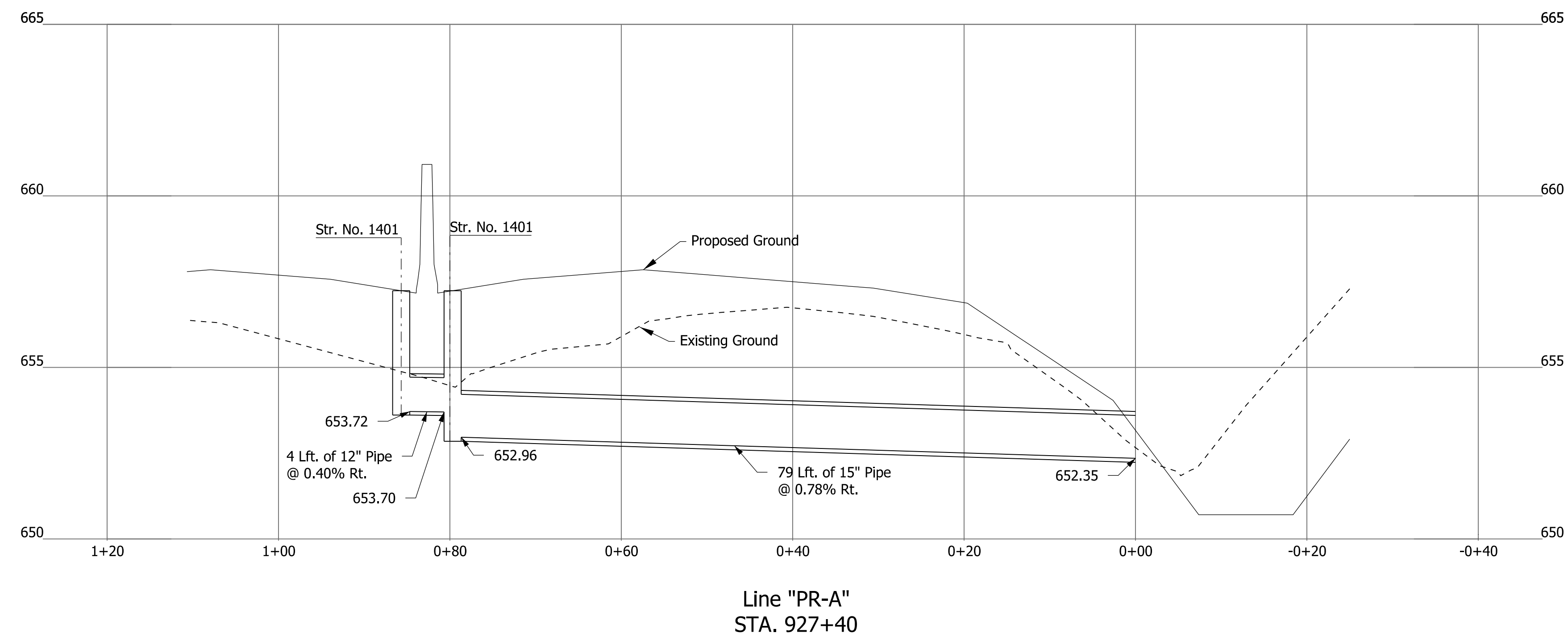
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 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MCS _____	DRAWN: _____ JMH _____	
CHECKED: _____ JMH _____	CHECKED: _____ MCS _____	

INDIANA  
 DEPARTMENT OF TRANSPORTATION

**DRAINAGE CROSS SECTIONS**

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-13
ELECTRONIC	248 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



rstriegel  
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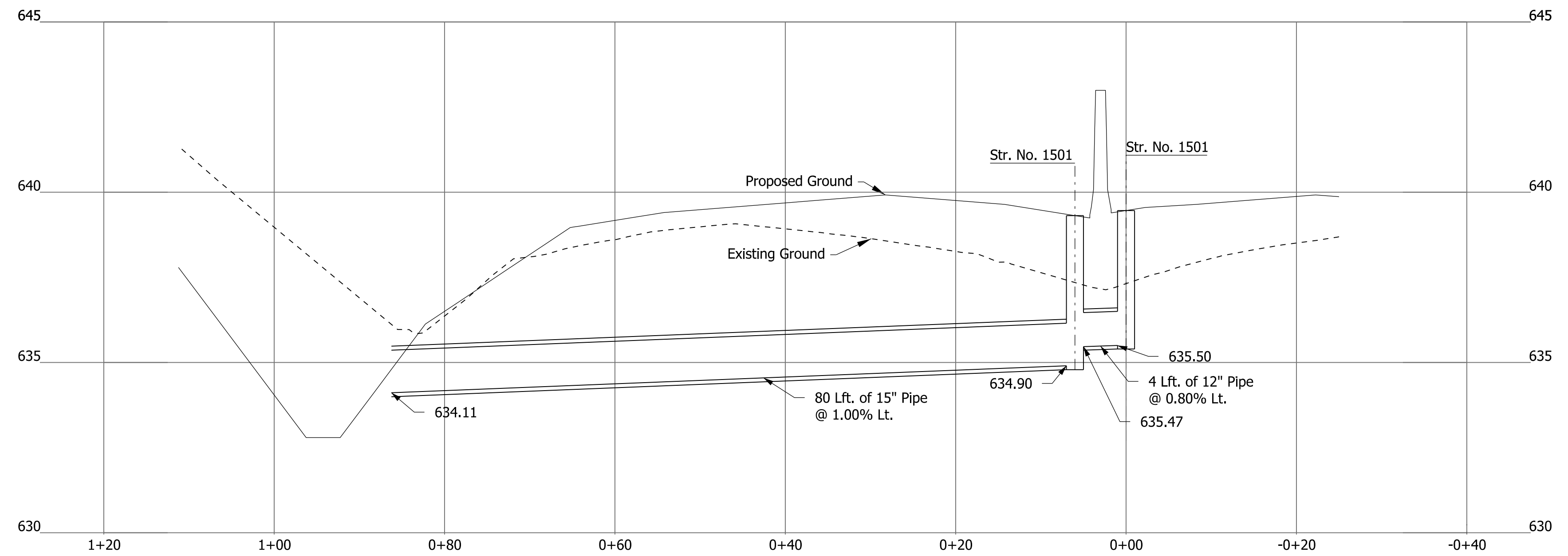
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 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MCS _____	DRAWN: _____ JMH _____	
CHECKED: _____ JMH _____	CHECKED: _____ MCS _____	

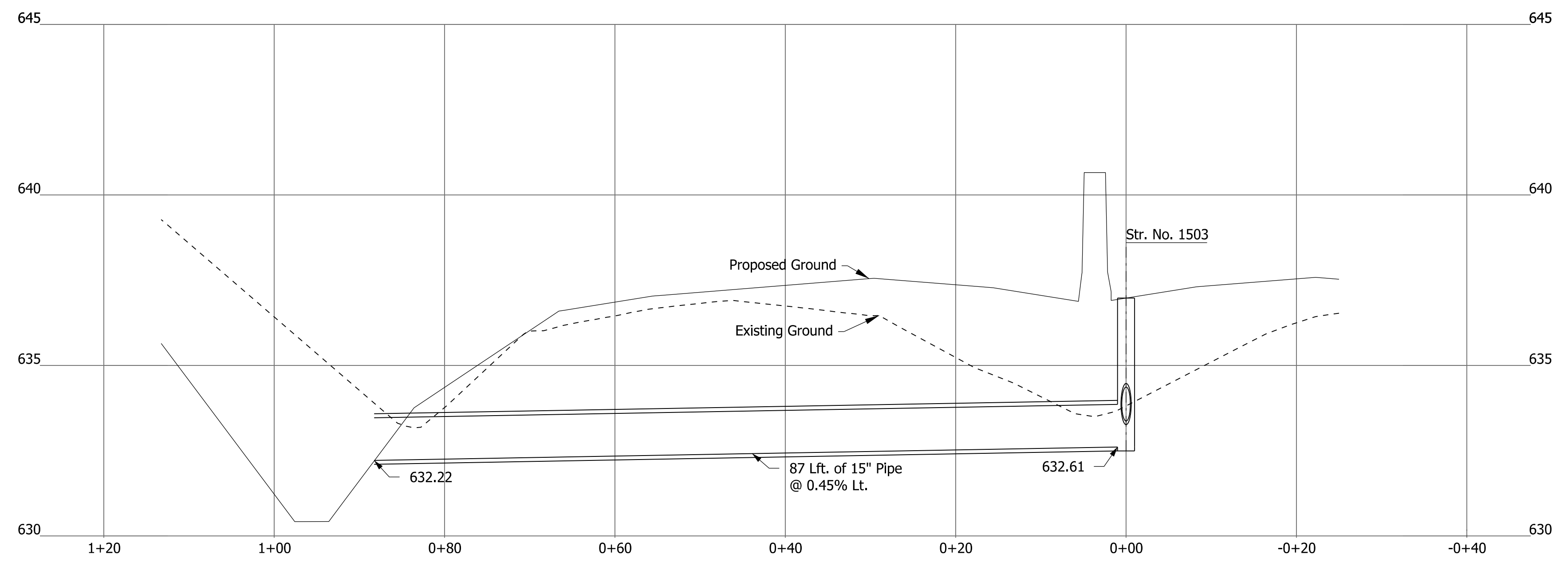
INDIANA  
DEPARTMENT OF TRANSPORTATION

DRAINAGE CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
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VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-14
ELECTRONIC	249 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



Line "PR-A"  
STA. 940+06



Line "PR-65-SB"  
STA. 201+55

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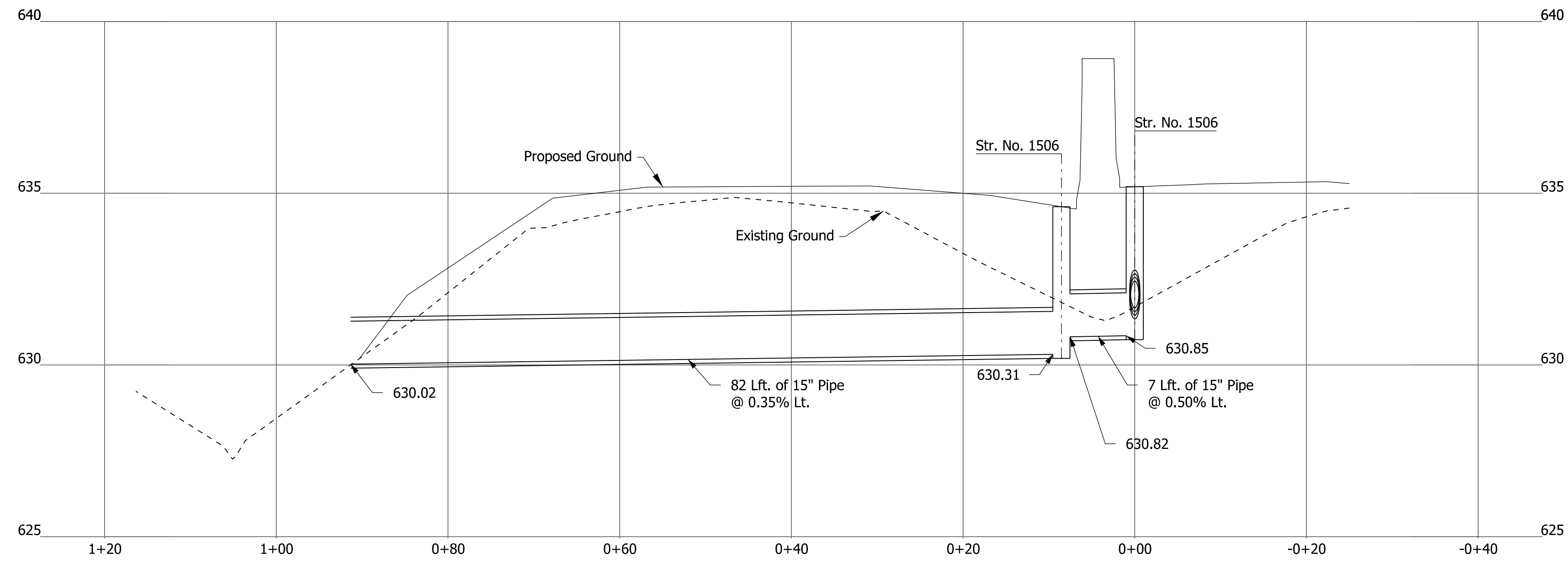
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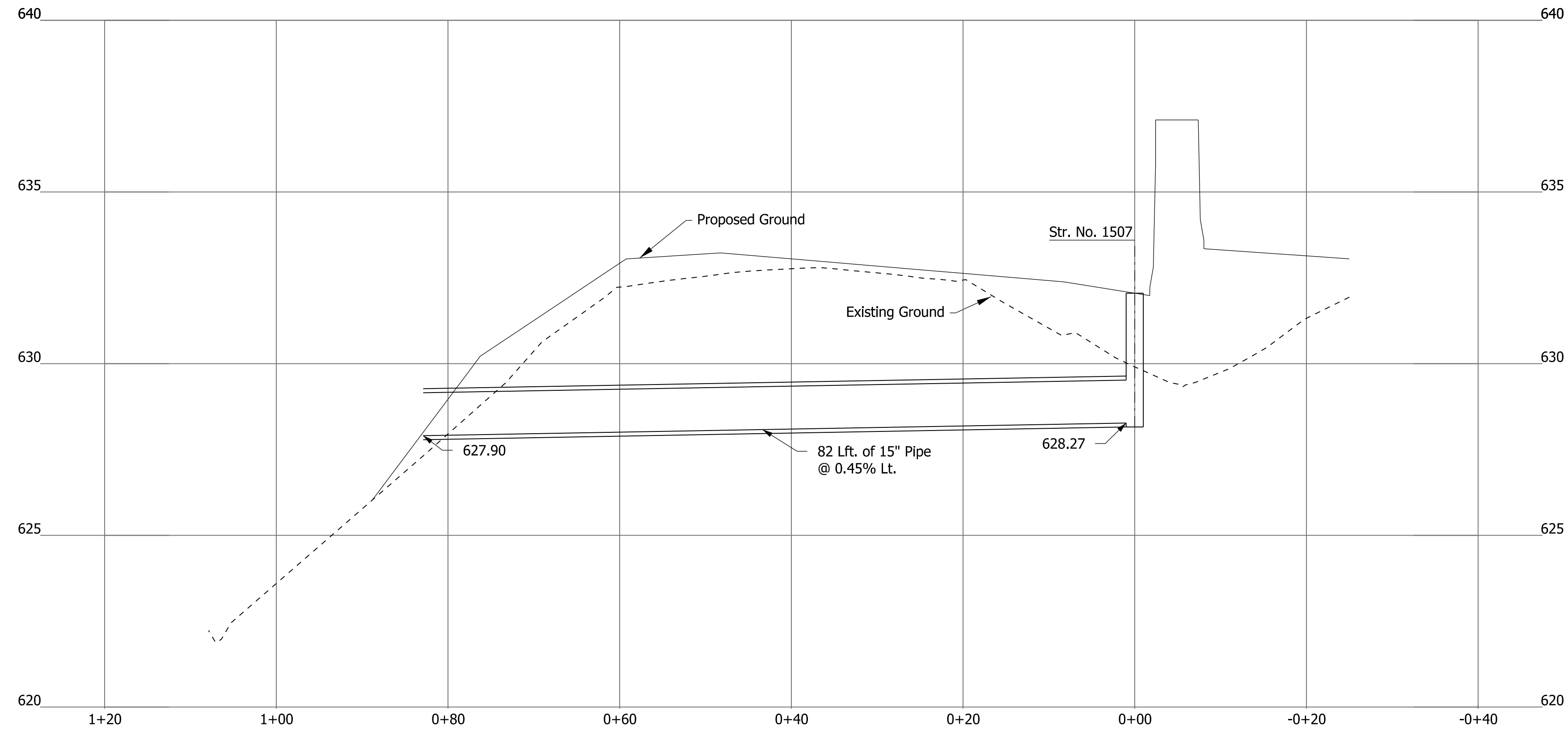
INDIANA  
 DEPARTMENT OF TRANSPORTATION  
  
 DRAINAGE CROSS SECTIONS

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VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-15
ELECTRONIC	250 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049





Line "PR-65-SB"  
STA. 202+94



Line "PR-65-SB"  
STA. 204+40

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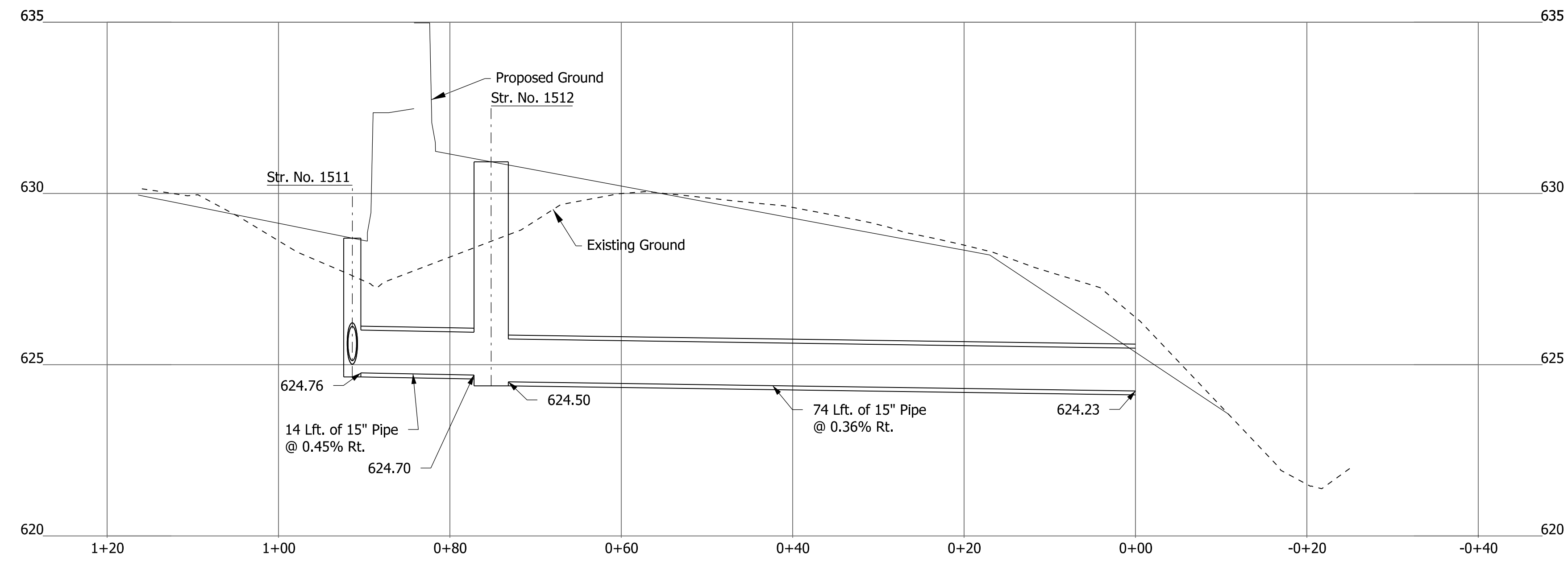
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 NOT FOR CONSTRUCTION

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DESIGNED: _____ MCS _____	DRAWN: _____ JMH _____	
CHECKED: _____ JMH _____	CHECKED: _____ MCS _____	

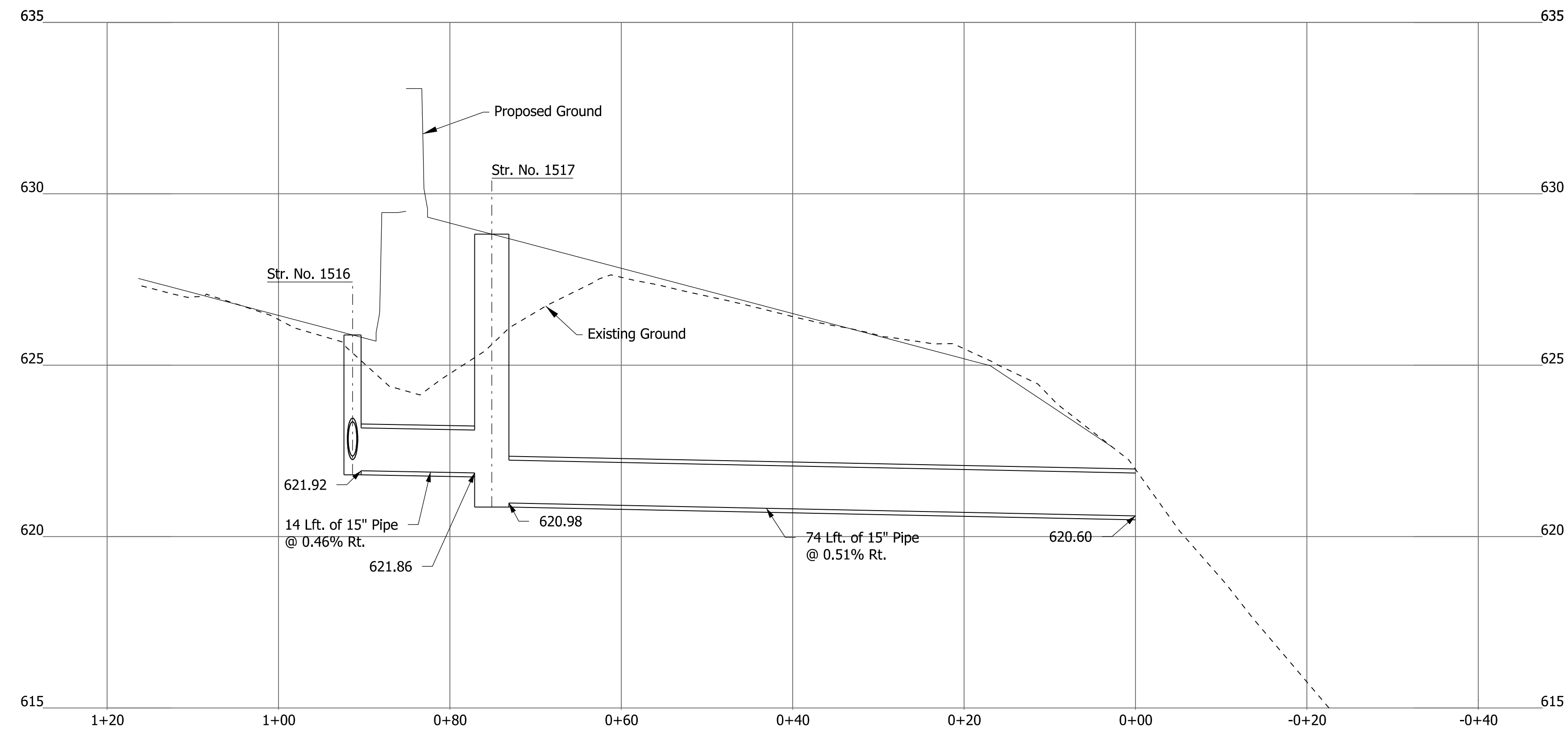
INDIANA  
 DEPARTMENT OF TRANSPORTATION

**DRAINAGE CROSS SECTIONS**

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VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-16
ELECTRONIC	251 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



Line "PR-65-NB"  
STA. 306+30



Line "PR-65-NB"  
STA. 308+07

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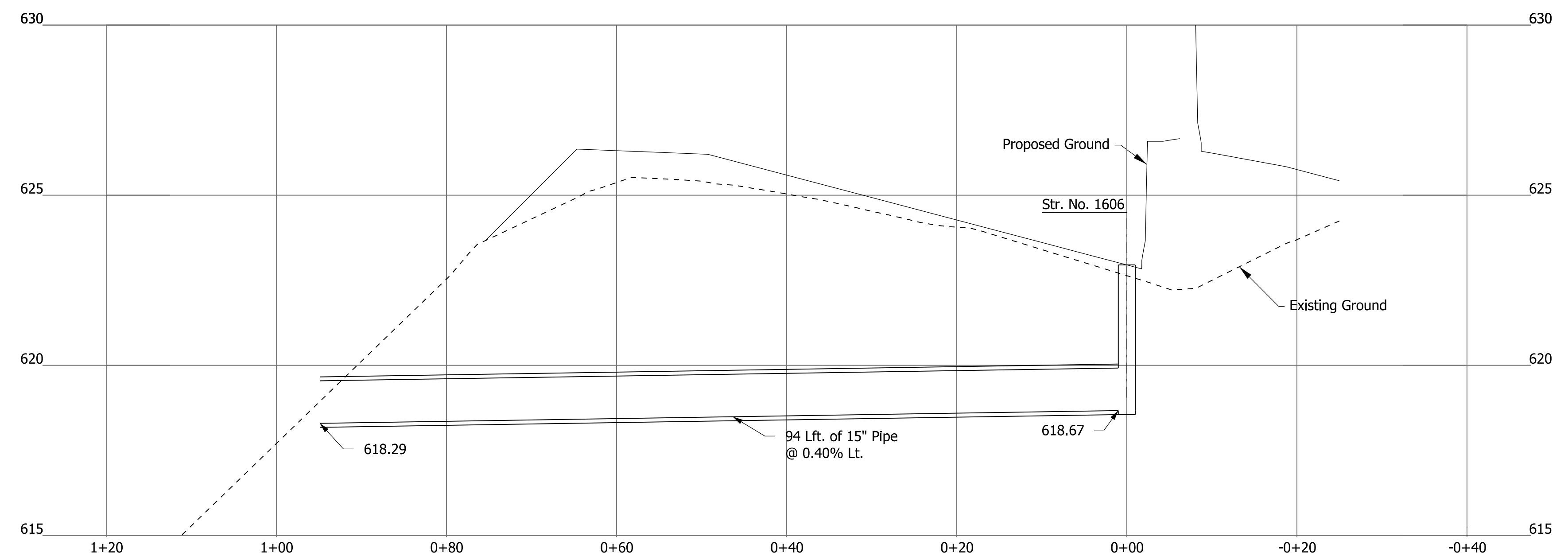
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NOT FOR CONSTRUCTION

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DESIGNED: _____ MCS _____	DRAWN: _____ JMH _____	
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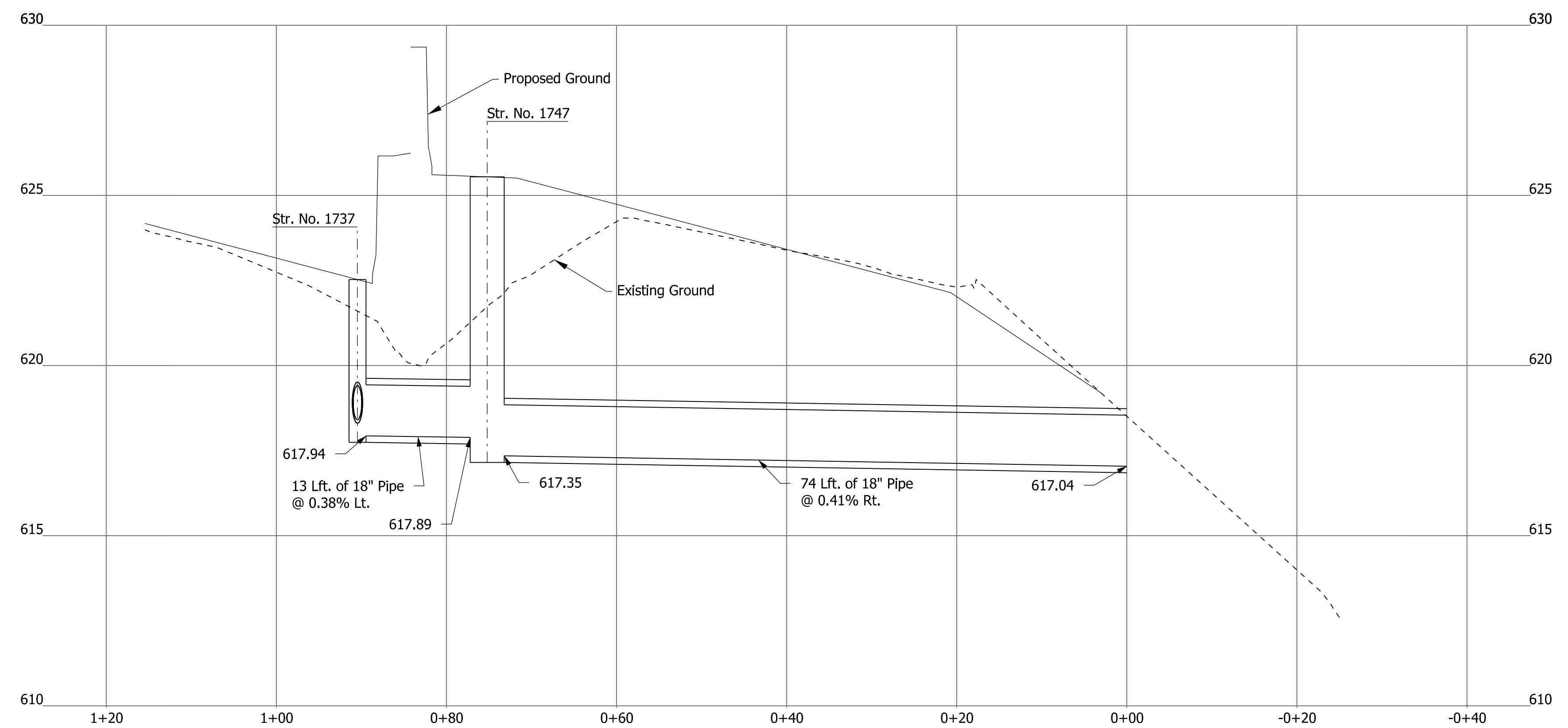
INDIANA  
DEPARTMENT OF TRANSPORTATION

DRAINAGE CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
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VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-17
ELECTRONIC	252 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



Line "PR-65-SB"  
STA. 210+54



Line "PR-65-NB"  
STA. 311+70

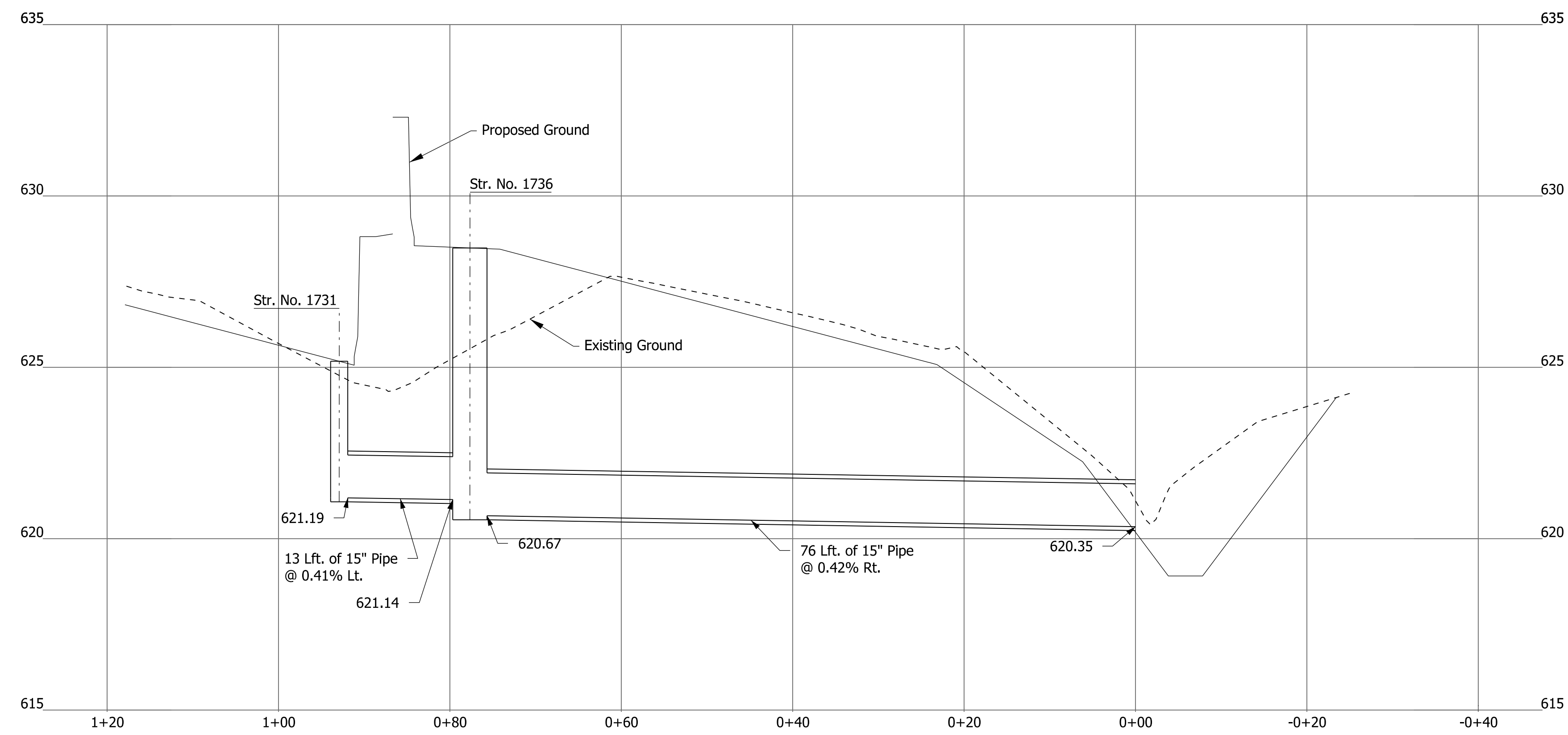
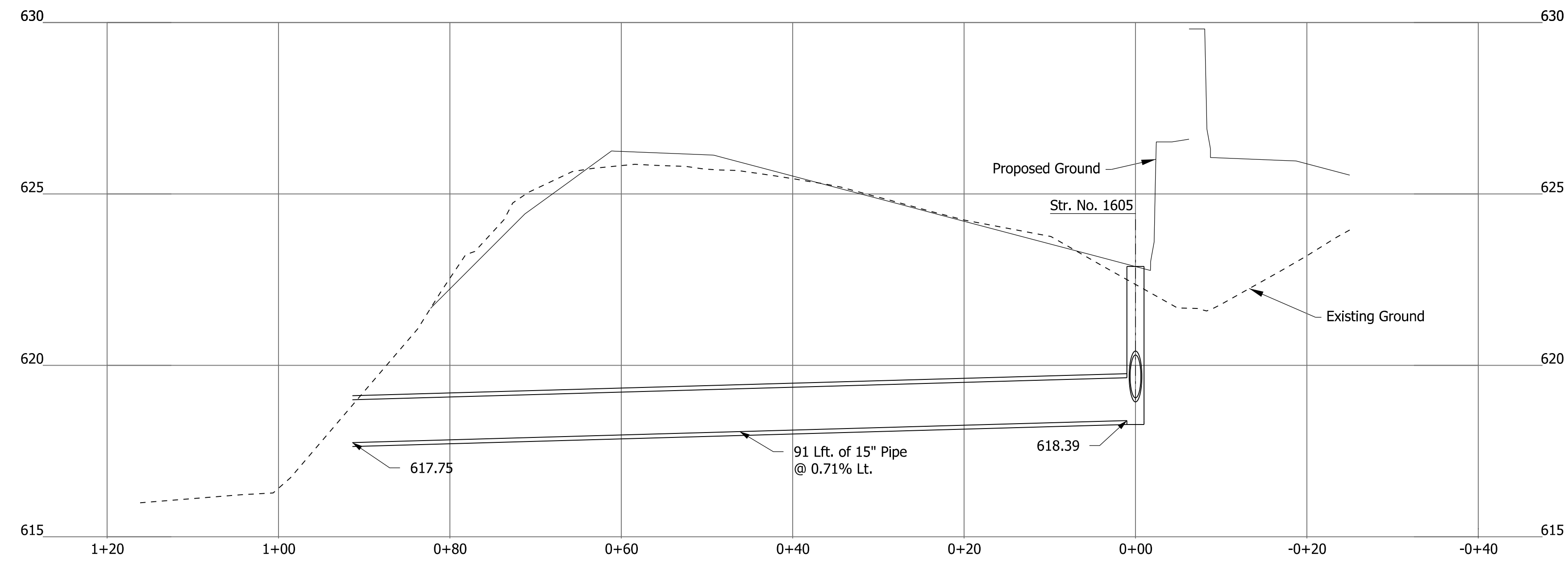
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**DRAFT**  
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MCS _____	DRAWN: _____ JMH _____	
CHECKED: _____ JMH _____	CHECKED: _____ MCS _____	

INDIANA  
 DEPARTMENT OF TRANSPORTATION  
  
**DRAINAGE CROSS SECTIONS**

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-18
ELECTRONIC	253 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



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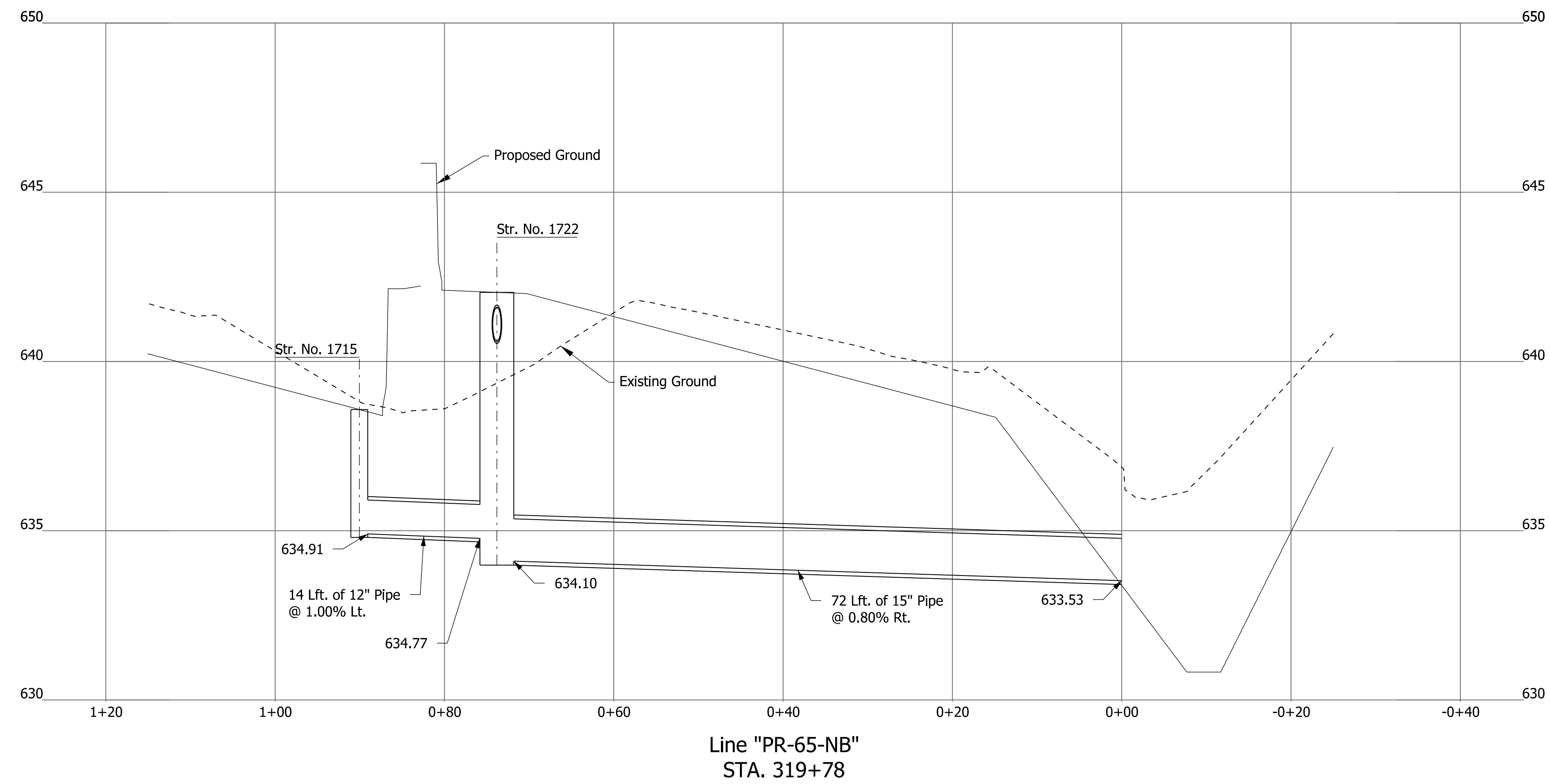
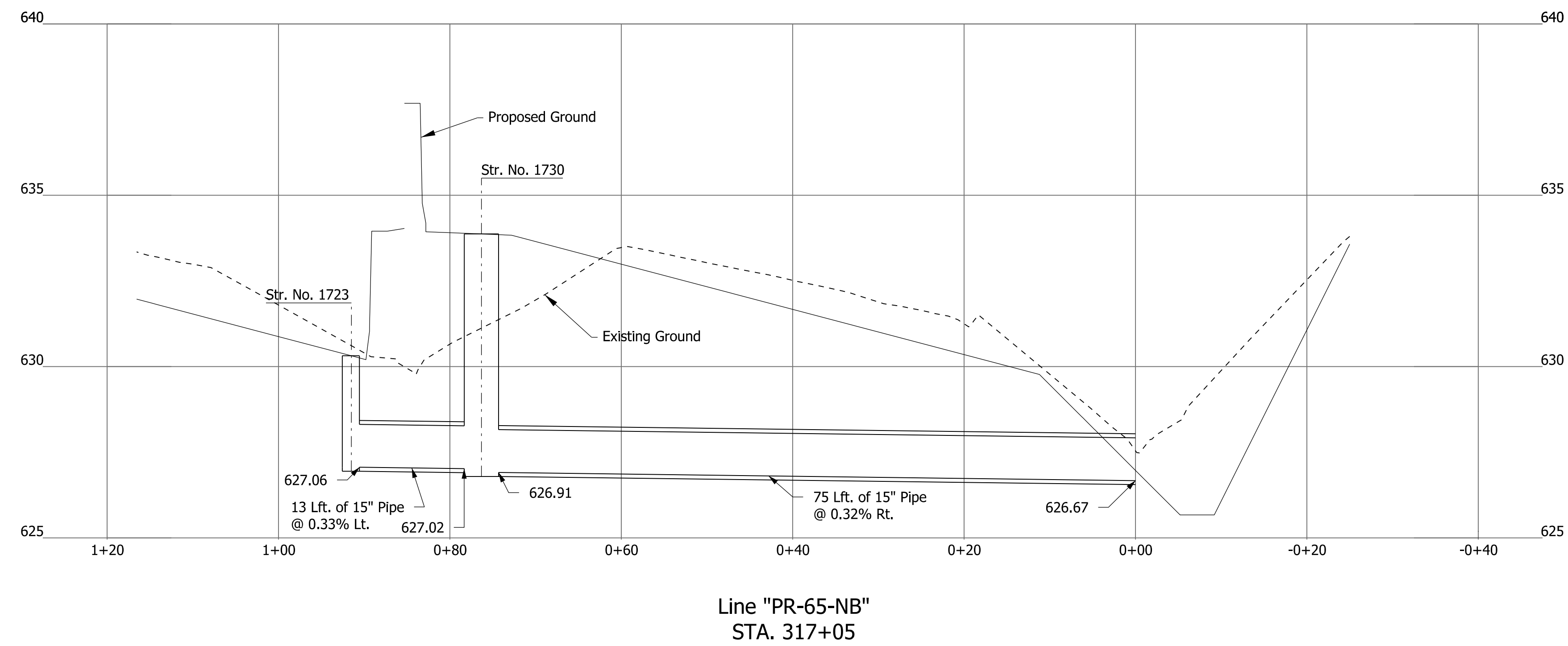
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NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MCS _____	DRAWN: _____ JMH _____	
CHECKED: _____ JMH _____	CHECKED: _____ MCS _____	

INDIANA  
DEPARTMENT OF TRANSPORTATION

DRAINAGE CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-19
ELECTRONIC	254 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



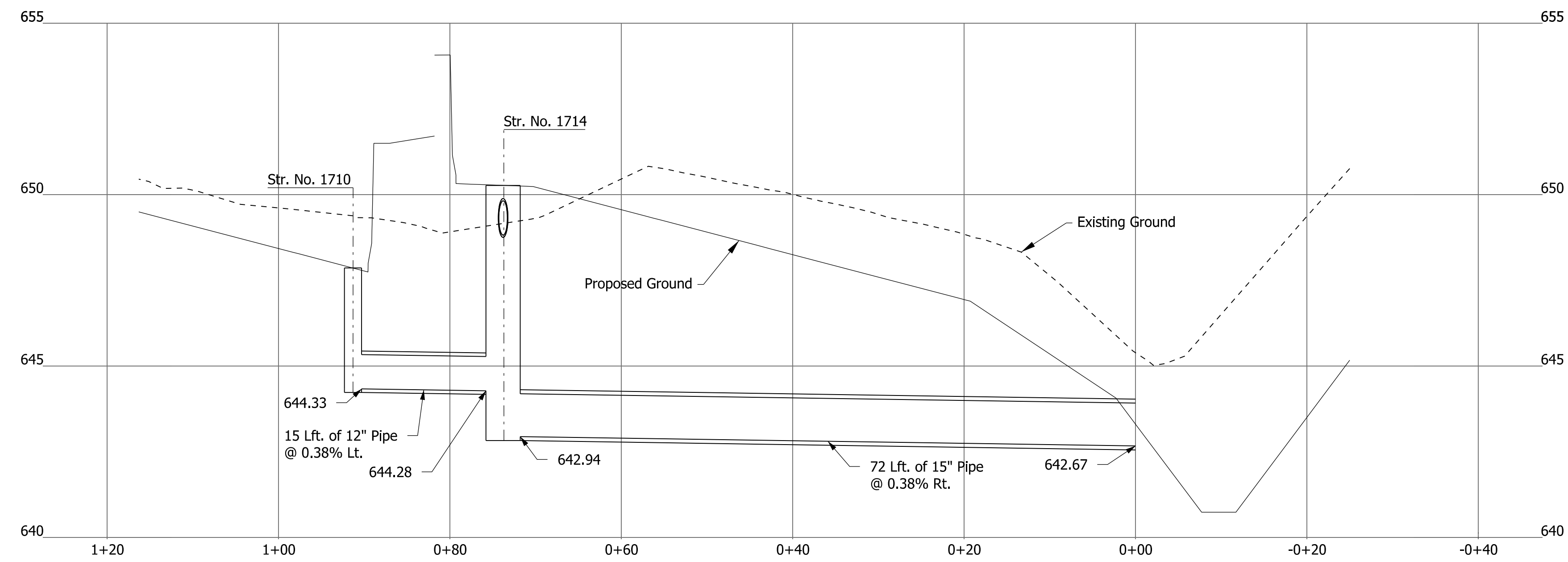
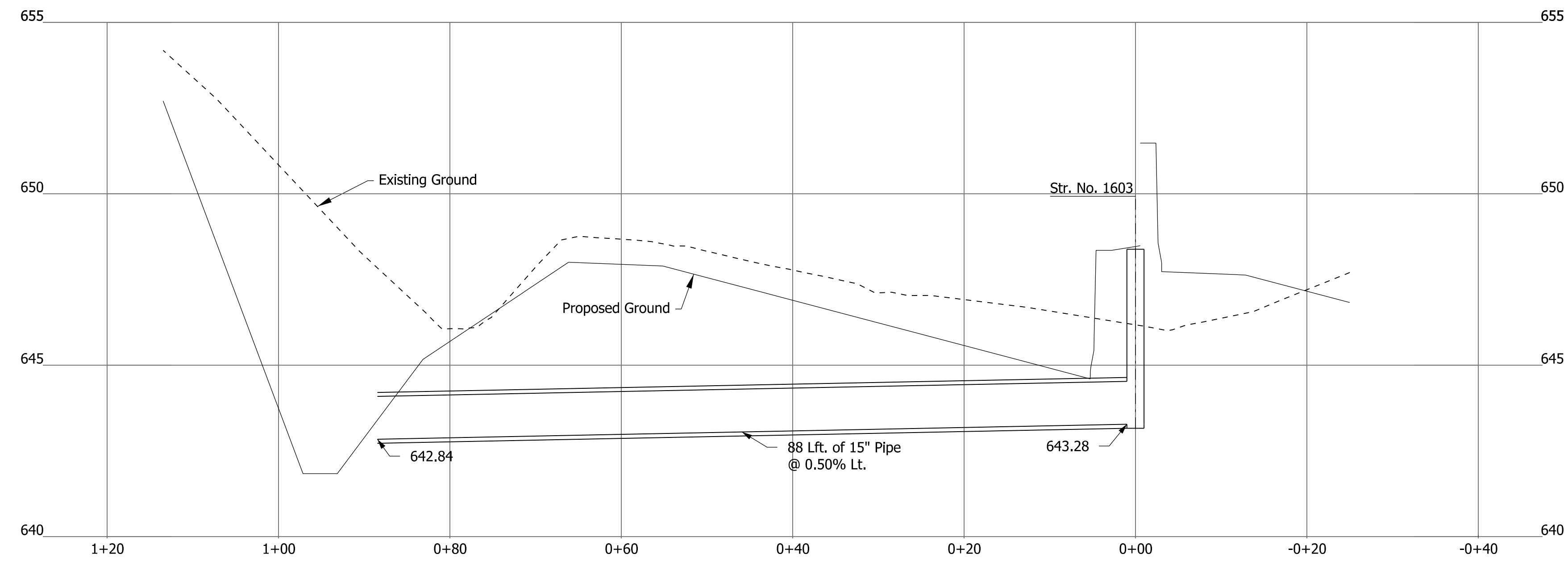
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**DRAFT**  
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MCS _____	DRAWN: _____ JMH _____	
CHECKED: _____ JMH _____	CHECKED: _____ MCS _____	

INDIANA  
 DEPARTMENT OF TRANSPORTATION  
  
 DRAINAGE CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-20
ELECTRONIC	255 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



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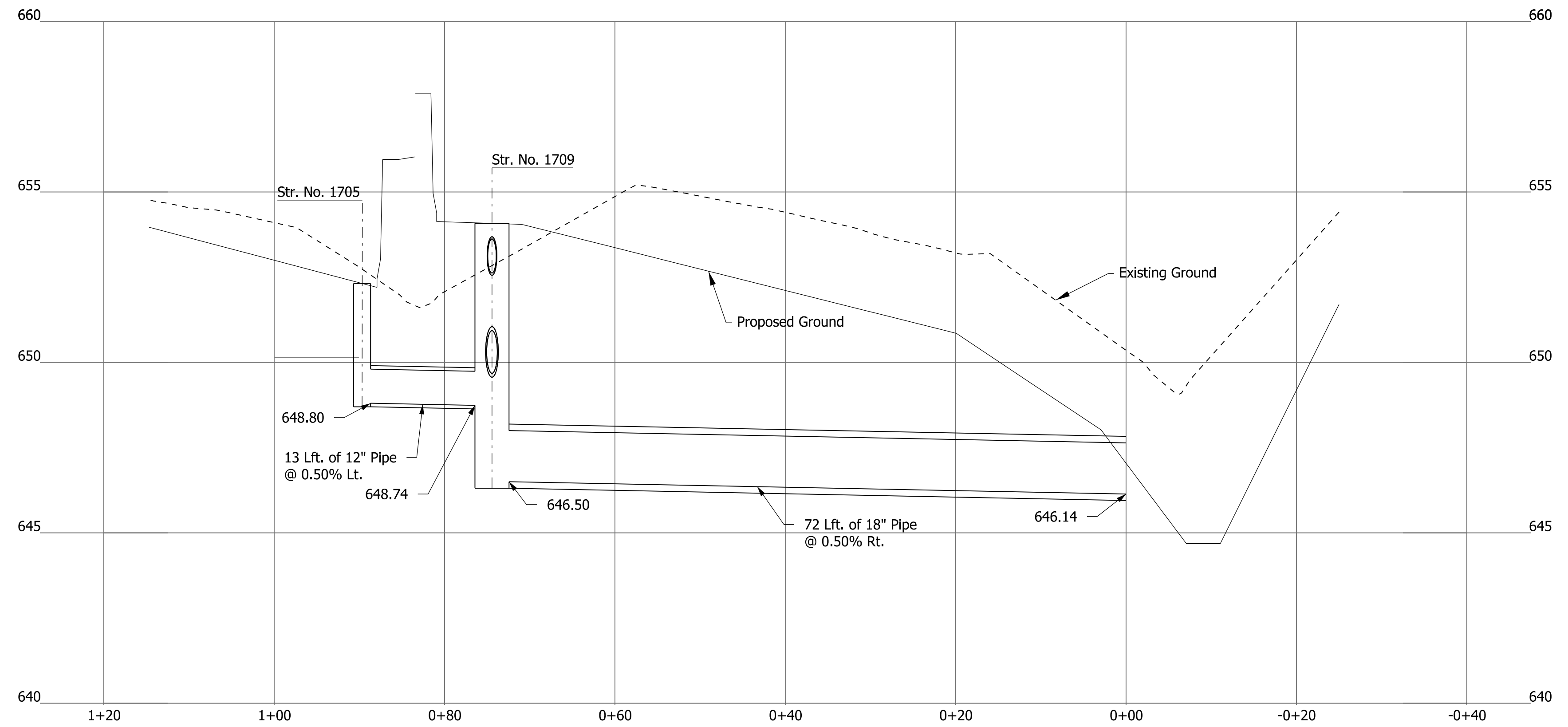
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NOT FOR CONSTRUCTION

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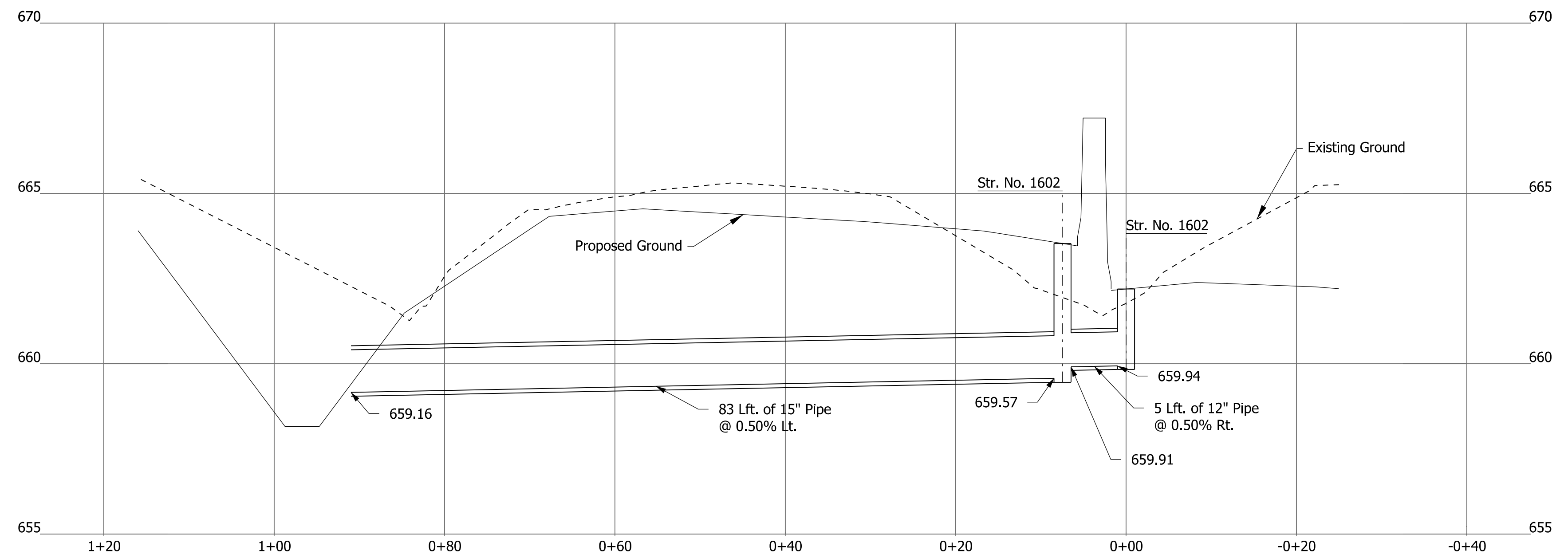
INDIANA  
DEPARTMENT OF TRANSPORTATION

DRAINAGE CROSS SECTIONS

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VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-21
ELECTRONIC	256 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



Line "PR-65-NB"  
STA. 324+23



Line "PR-65-SB"  
STA. 228+10

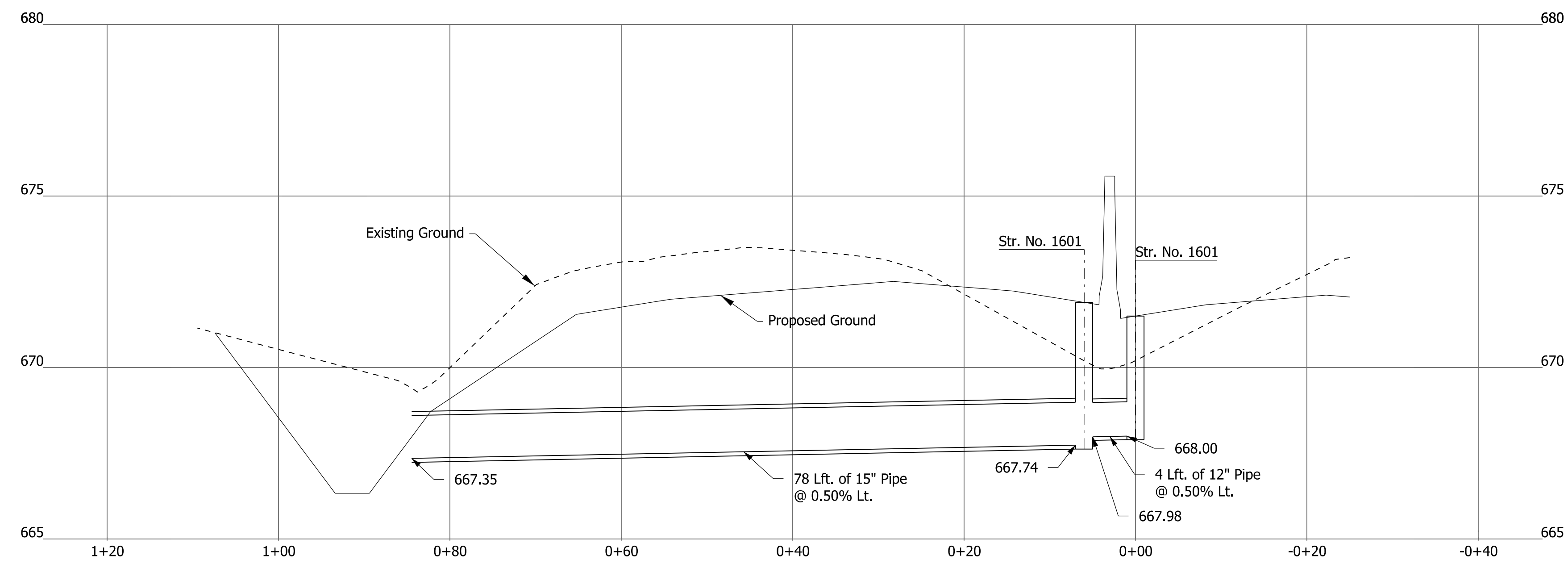
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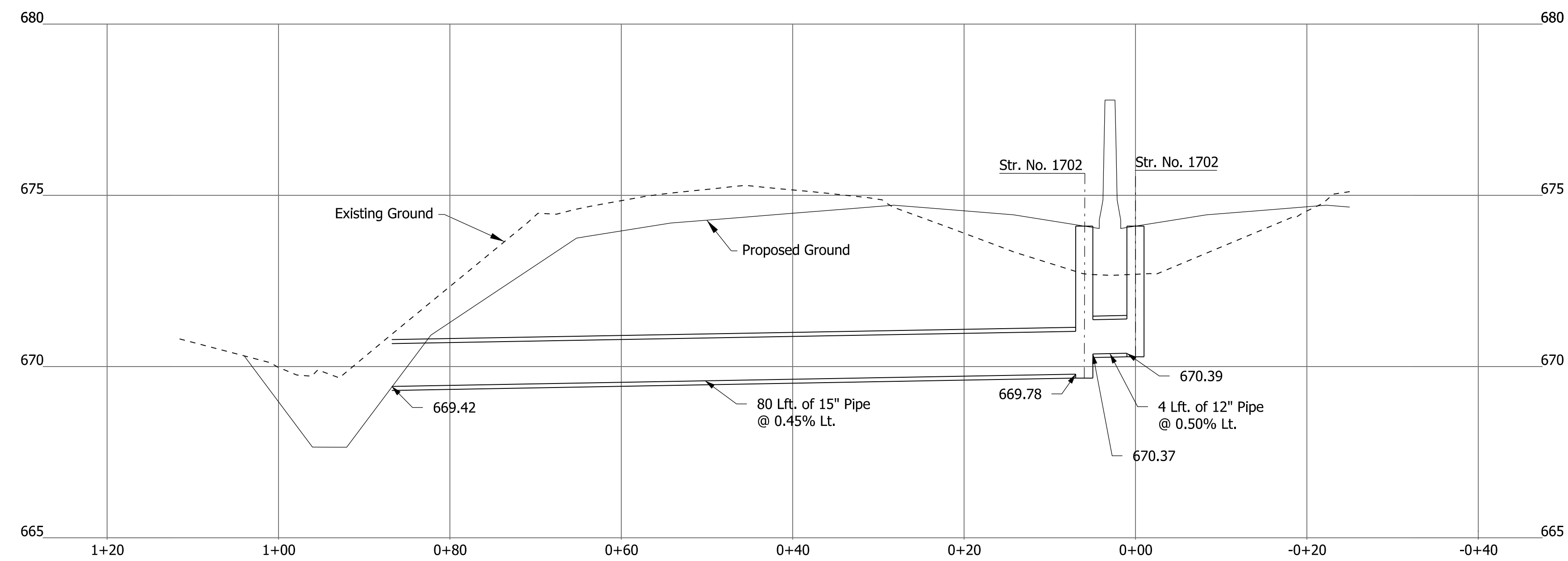
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DESIGNED: _____ MCS _____	DRAWN: _____ JMH _____	
CHECKED: _____ JMH _____	CHECKED: _____ MCS _____	

INDIANA  
 DEPARTMENT OF TRANSPORTATION  
  
 DRAINAGE CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-22
ELECTRONIC	257 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



Line "PR-65-SB"  
STA. 233+10



Line "PR-A"  
STA. 978+90

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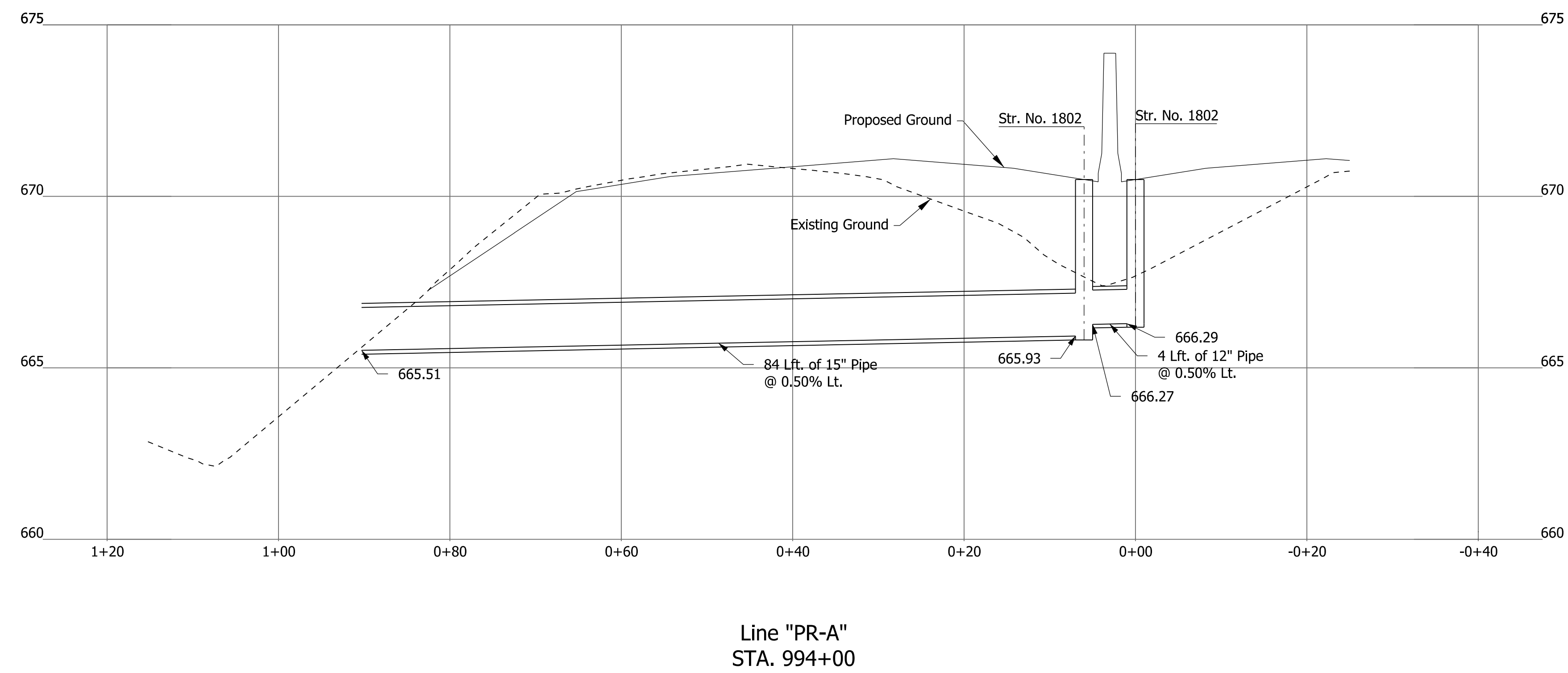
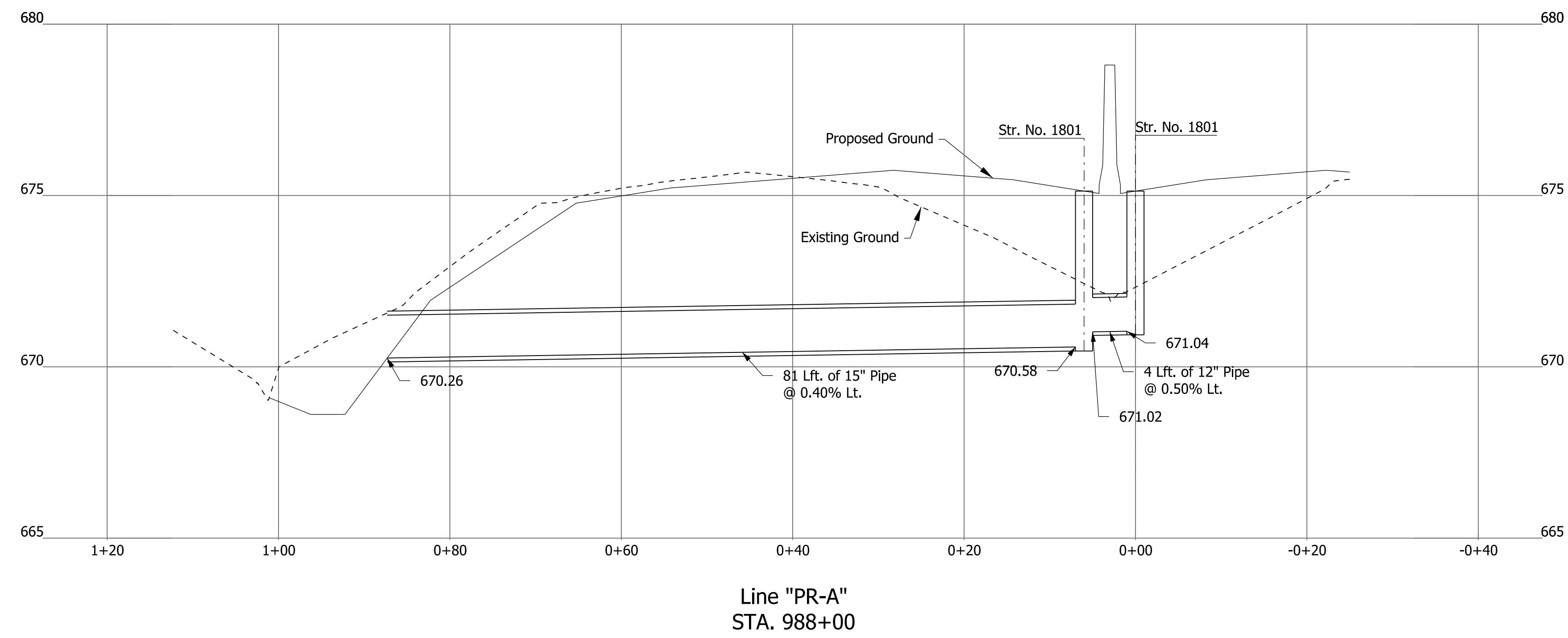
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DESIGNED: _____ MCS _____	DRAWN: _____ JMH _____	
CHECKED: _____ JMH _____	CHECKED: _____ MCS _____	

INDIANA  
DEPARTMENT OF TRANSPORTATION

DRAINAGE CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-23
ELECTRONIC	258 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049





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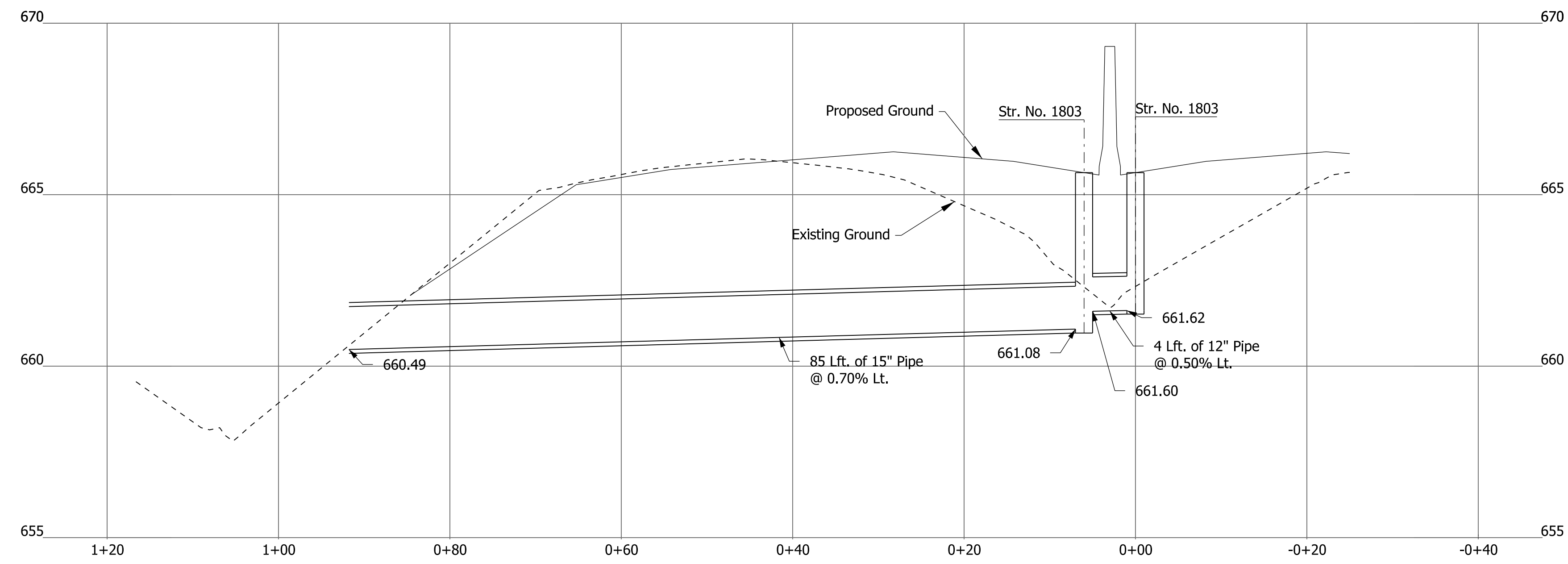
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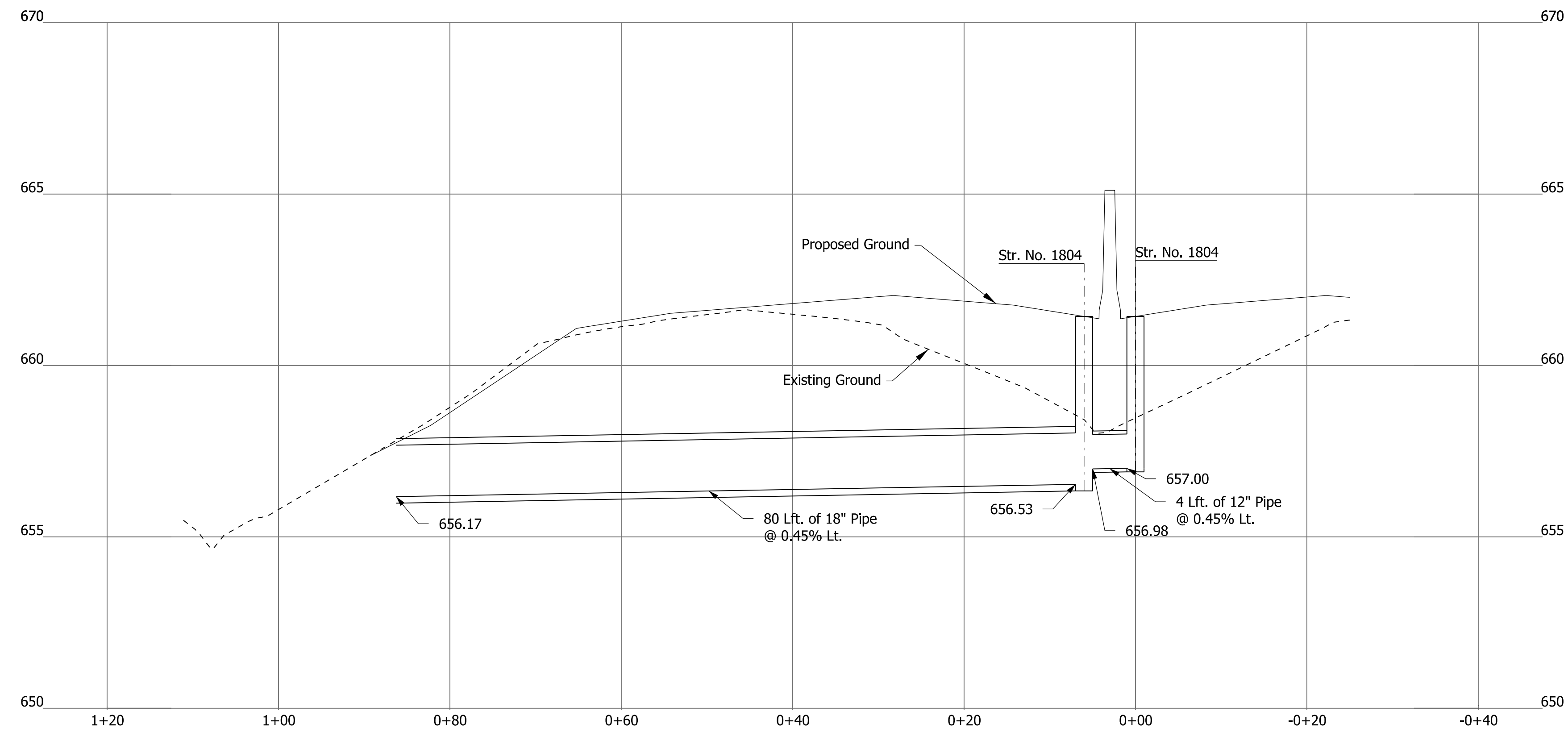
INDIANA  
DEPARTMENT OF TRANSPORTATION

DRAINAGE CROSS SECTIONS

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VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-24
ELECTRONIC	259 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



Line "PR-A"  
STA. 1000+00



Line "PR-A"  
STA. 1006+00

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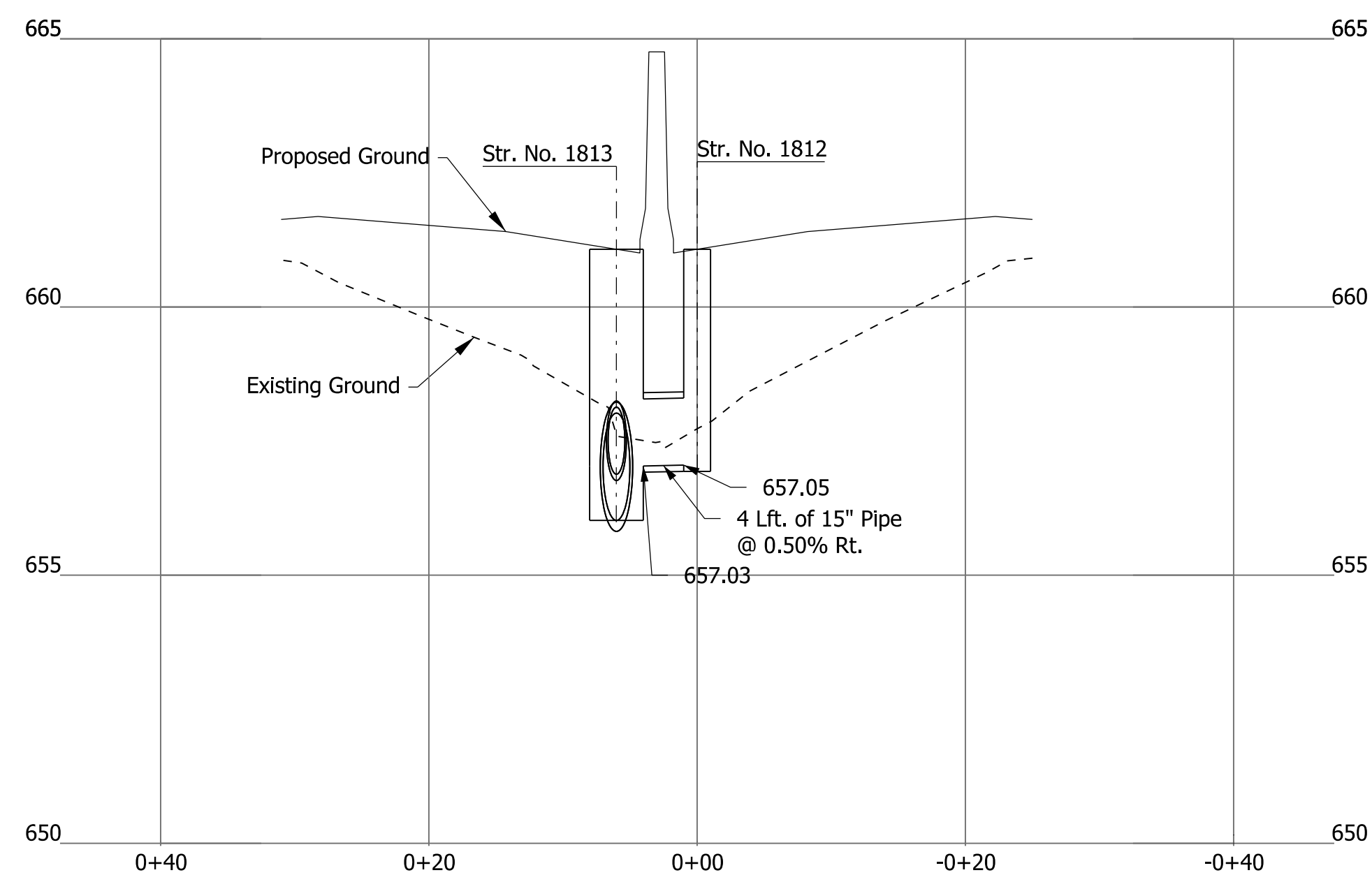
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MCS _____	DRAWN: _____ JMH _____	
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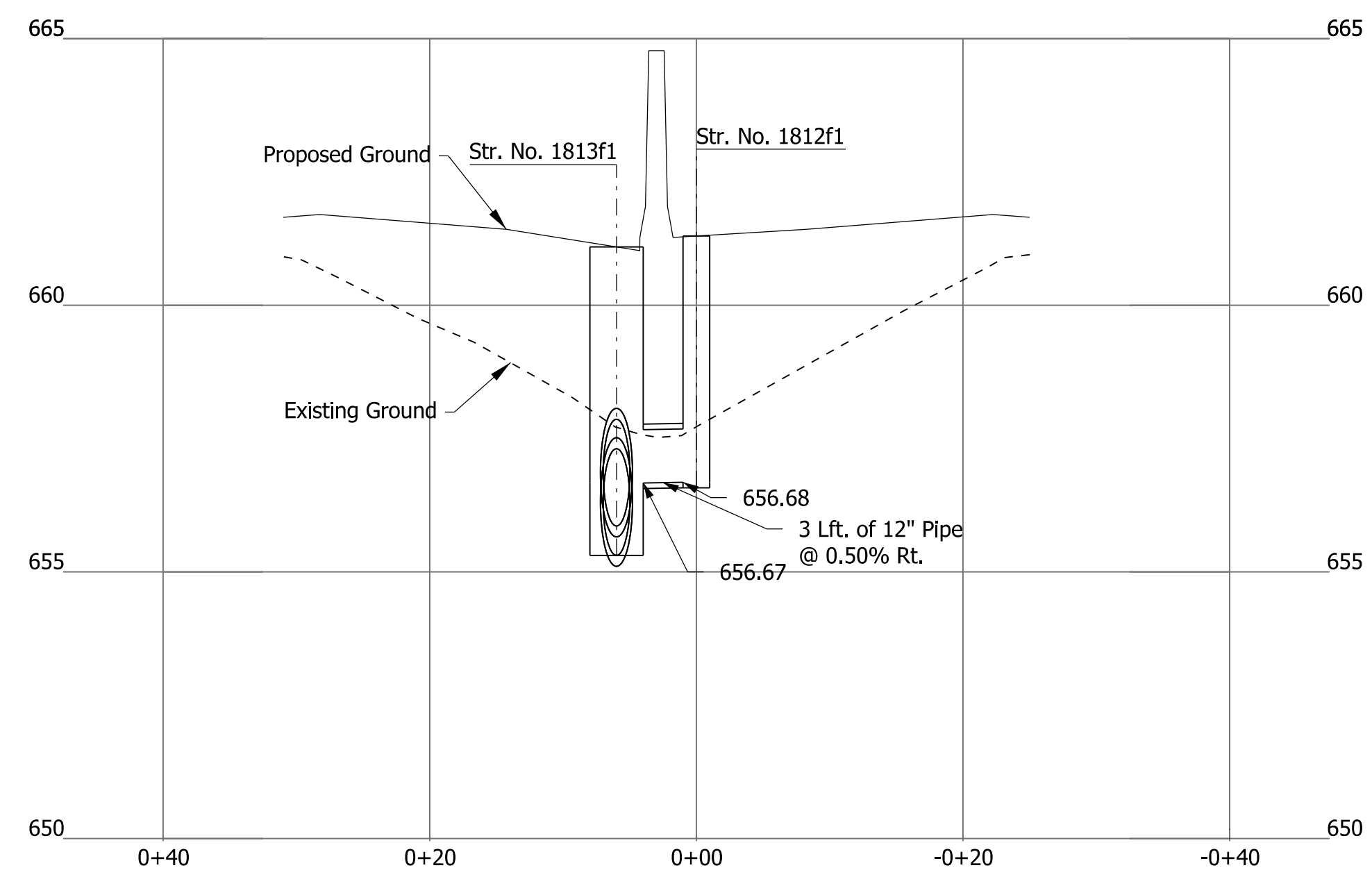
INDIANA  
DEPARTMENT OF TRANSPORTATION

DRAINAGE CROSS SECTIONS

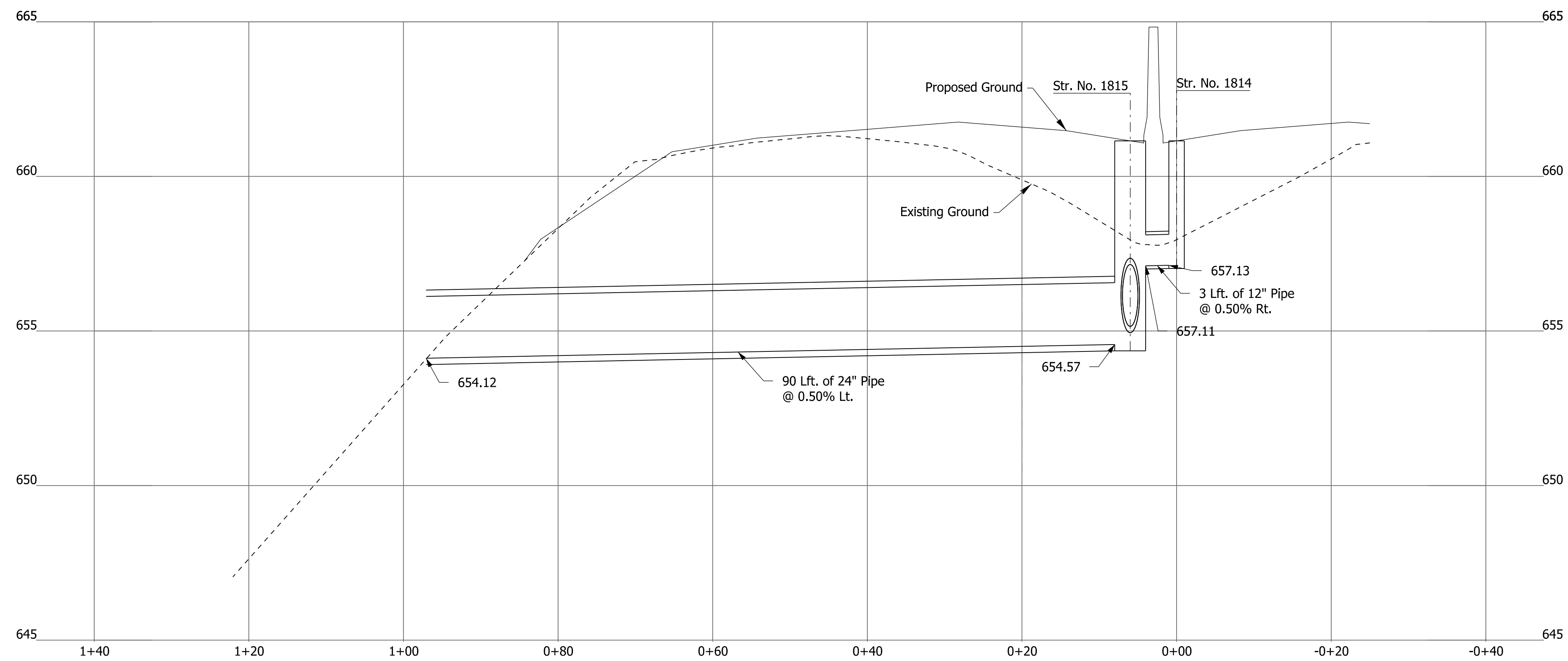
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VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-25
ELECTRONIC	260 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



Line "PR-A"  
STA. 1008+00



Line "PR-A"  
STA. 1008+50



Line "PR-A"  
STA. 1009+00

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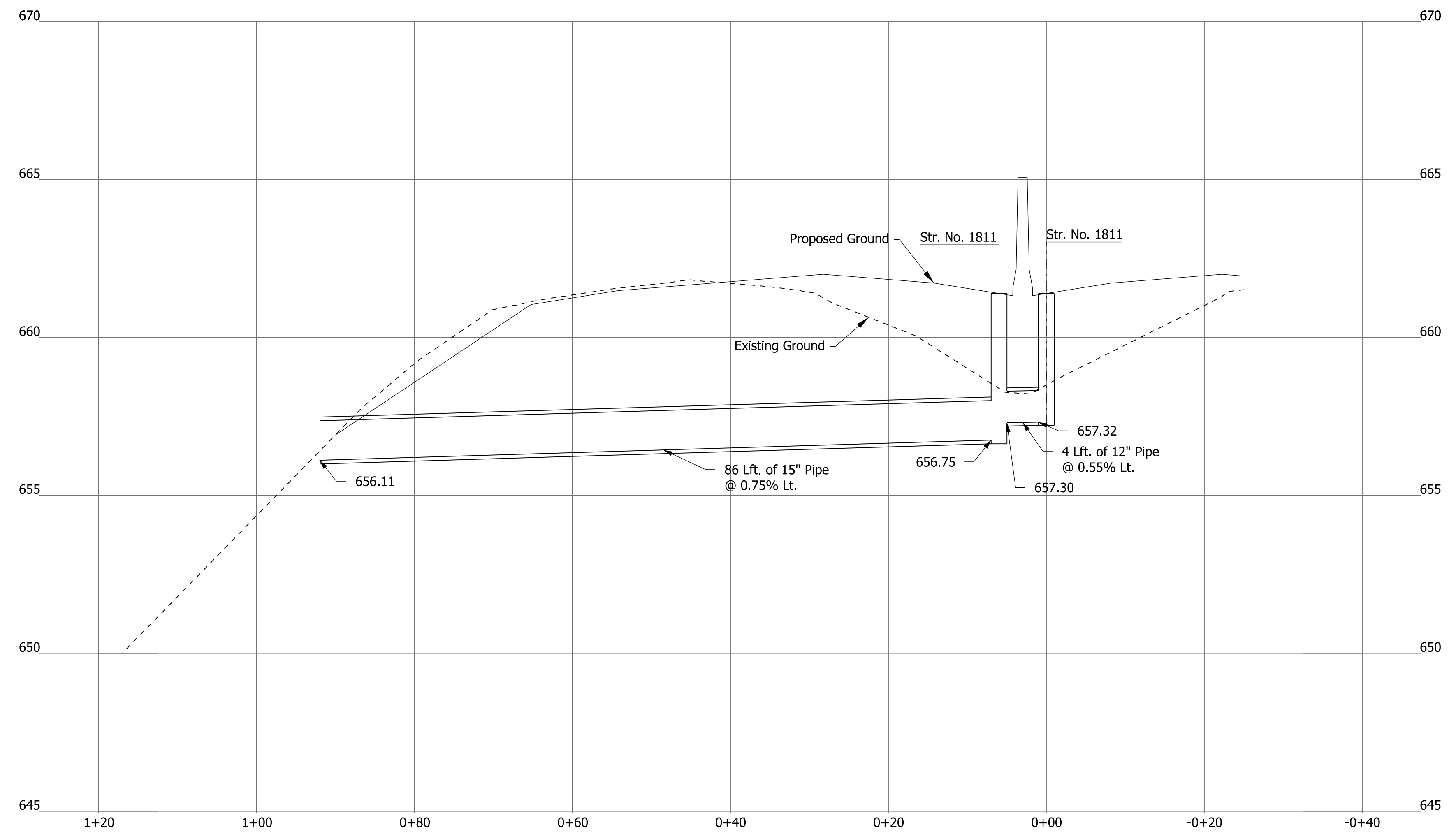
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MCS _____	DRAWN: _____ JMH _____	
CHECKED: _____ JMH _____	CHECKED: _____ MCS _____	

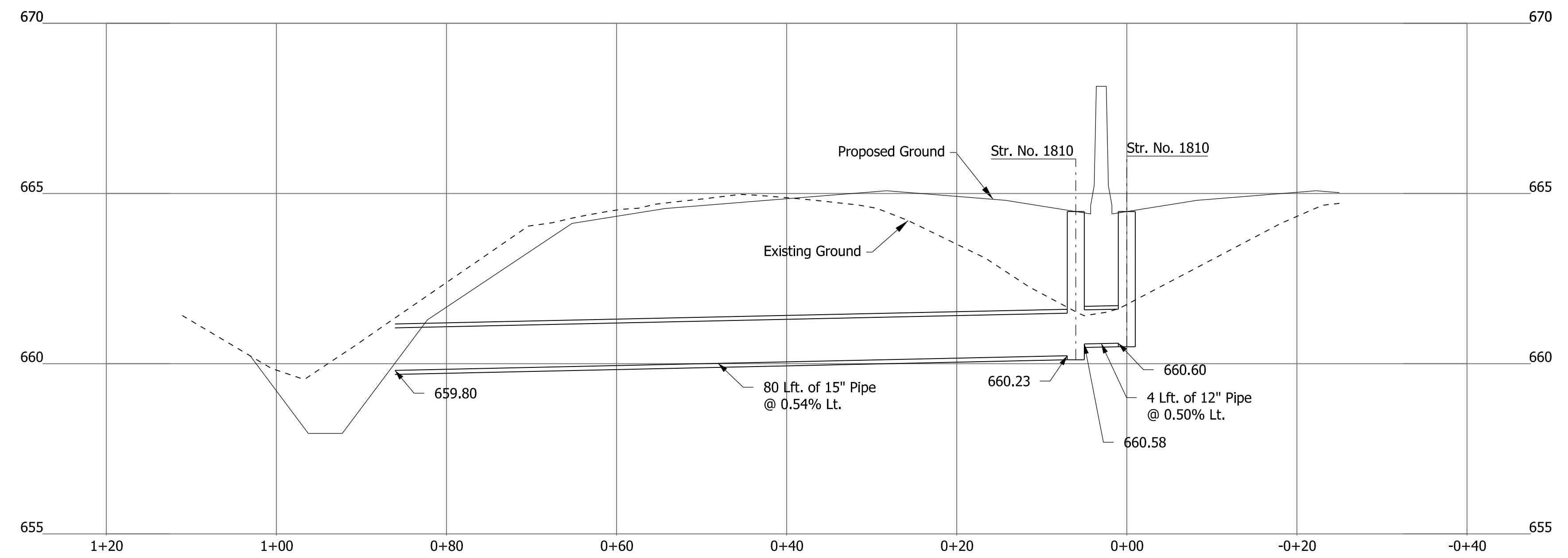
INDIANA  
DEPARTMENT OF TRANSPORTATION

DRAINAGE CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-26
ELECTRONIC	261 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



Line "PR-A"  
STA. 1010+00



Line "PR-A"  
STA. 1016+00

Line "PR-A"  
STA. 1008+50

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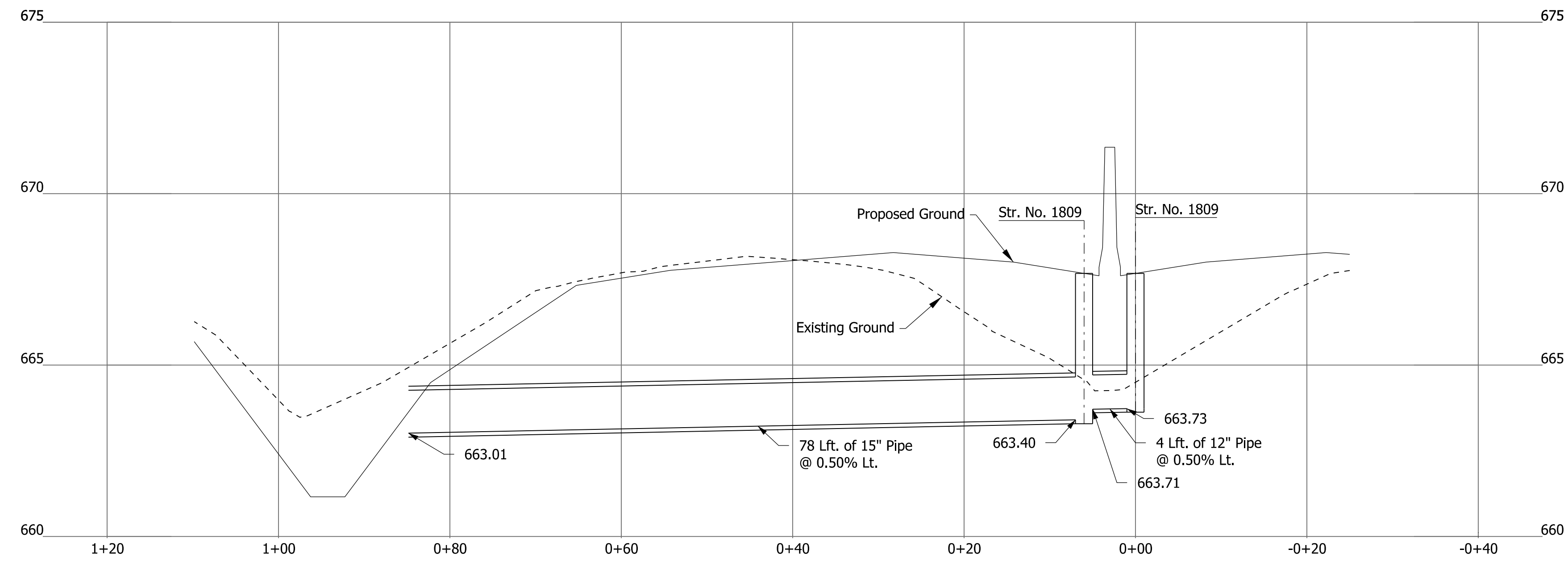
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MCS _____	DRAWN: _____ JMH _____	
CHECKED: _____ JMH _____	CHECKED: _____ MCS _____	

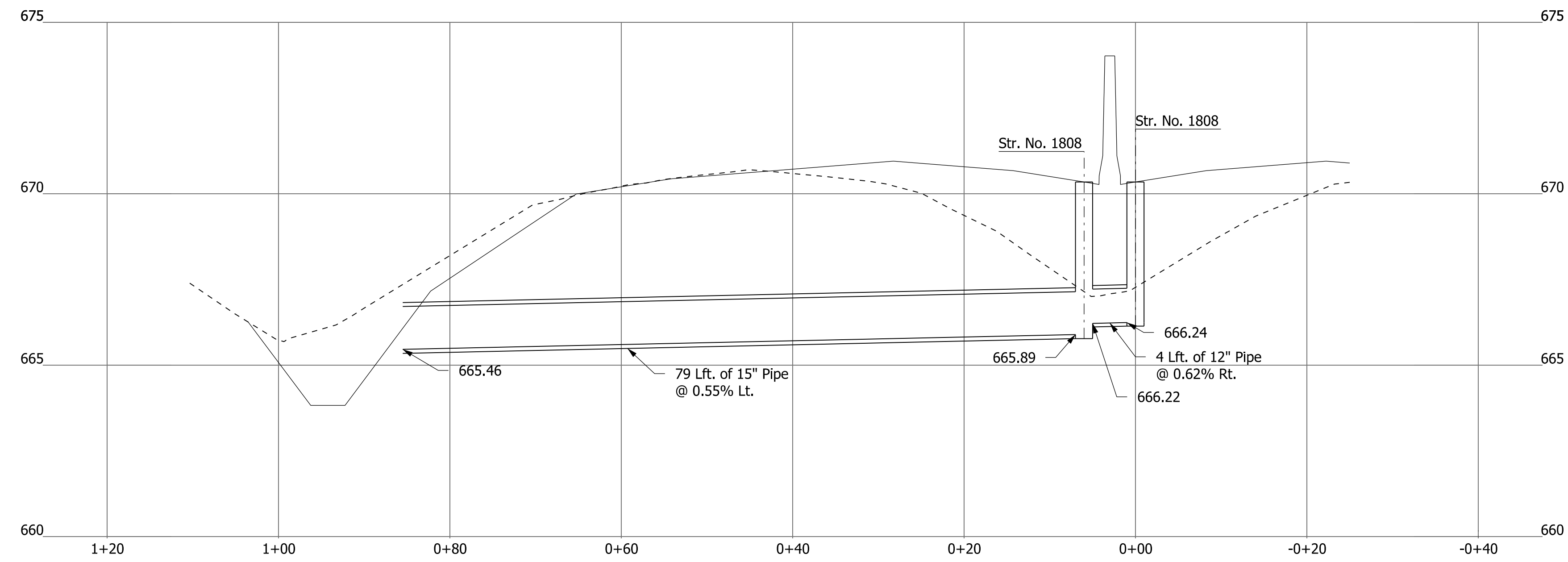
INDIANA  
DEPARTMENT OF TRANSPORTATION

**DRAINAGE CROSS SECTIONS**

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-27
ELECTRONIC	262 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



Line "PR-A"  
STA. 1022+00



Line "PR-A"  
STA. 1027+00

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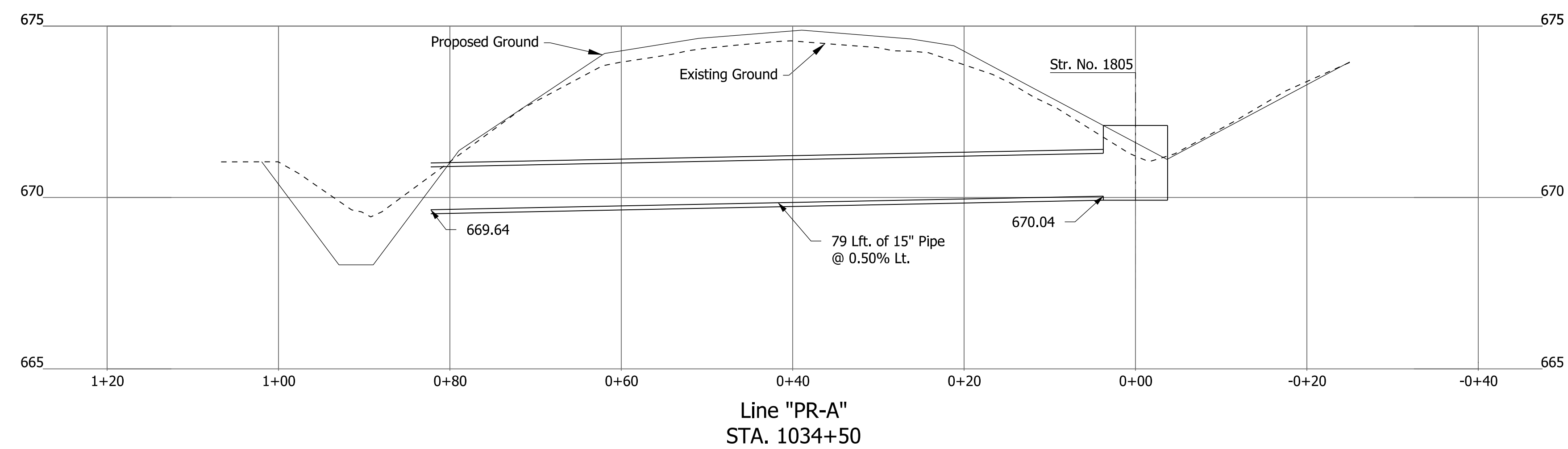
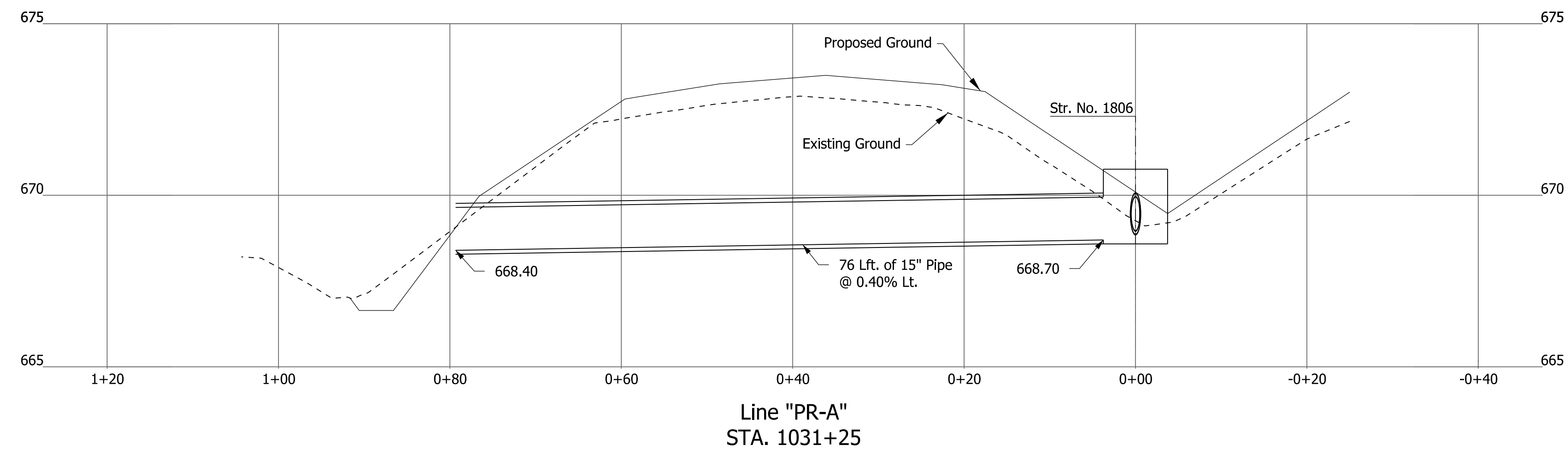
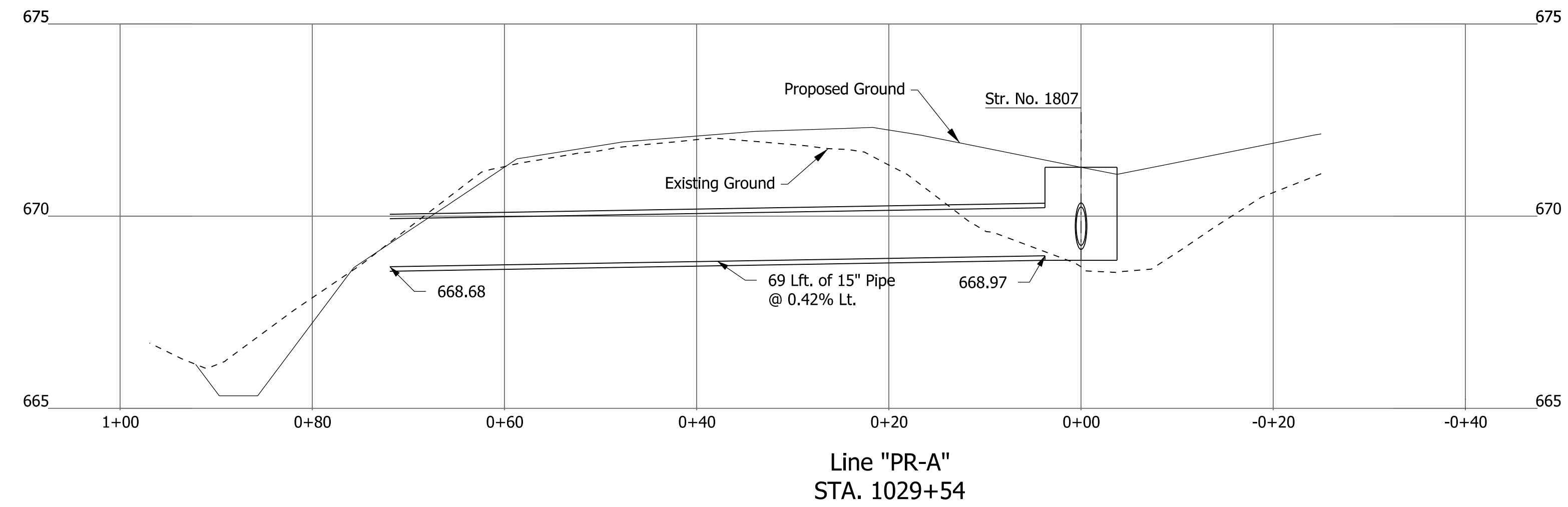
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 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MCS _____	DRAWN: _____ JMH _____	
CHECKED: _____ JMH _____	CHECKED: _____ MCS _____	

INDIANA  
 DEPARTMENT OF TRANSPORTATION

**DRAINAGE CROSS SECTIONS**

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-28
ELECTRONIC	263 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049



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**DRAFT**  
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MCS _____	DRAWN: _____ JMH _____	
CHECKED: _____ JMH _____	CHECKED: _____ MCS _____	

INDIANA  
DEPARTMENT OF TRANSPORTATION

DRAINAGE CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS DRXS-29
ELECTRONIC	264 of 531
CONTRACT	PROJECT
R-42909	2001172 & 2100049

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EROSION CONTROL LEGEND	
	Permanent Riprap
	Temporary Check Dam, Revetment Riprap Modified
	Rock Filter Berm
	Erosion Control Blanket
	Temporary Slope Drain
	Temporary Riprap Pad
	Inlet Protection
	Temporary Sediment Trap/Sediment Basin
	Stabilized Construction Entrance
	Construction Entrance
	Filter Sock
	Offsite Drainage Entering The Site
	Water Leaving the Site
	Diversion Interceptor, Type A
	Existing Jurisdictional Stream
	Timber Mat
	Jurisdictional Water Protection Fence with "Do Not Disturb" sign attached
	Temporary Seeding
	Cofferdam

**DRAFT**  
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ JKH _____	DRAWN: _____ JSB _____	
CHECKED: _____ JDL _____	CHECKED: _____ JKH _____	

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

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2001172 & 2100049
SURVEY BOOK	SHEETS
ELECTRONIC	EC-01
CONTRACT	PROJECT
R-42909	2001172 & 2100049

Erosion Control Notes

1. Special provisions for borrow sites/waste disposal will include prohibiting tree clearing from April 1 through September 30. Tree Clearing will be allowed from October 1 through March 31 within the limits of this contract.
2. INDOT will consult IDNR to determine appropriate measures during tree clearing to address concerns about the emerald ash borer, INDOT and contractors shall comply with the requirements of 312 IAC 18-3-18 and Title 312 Natural Resources Commission Emergency Rule (LSA Document #12-195(E)) in regards to handling and transportation of cleared trees to prevent the spread of the emerald ash borer.
3. Solid waste generated by clearing and grubbing, demolition or other construction practices shall be removed from the location and properly disposed.
4. All erosion control items shall be placed within proposed secured right of way. If it is drawn outside the right of way it is to make the linework visible on plans.
5. Maintain Filter Sock and Protective Fencing until permanent fill is required.
6. All Filter Sock and Wetland protection fencing shall be left in place as long as practical prior to grading activities.
7. Install Filter Sock as shown prior to earth disturbance activities in the area.
8. Rolled Erosion Control Product shall be used in construction of Traversable Check Dams as shown in Standard Drawing E-205-TECD-02.
9. Contractor shall determine method of placing scour protection.
10. Contractor shall verify existing flow line elevation prior to construction.
11. Temporary dewatering measures are expected to be in place less than 6 months.
12. Dewatering hose shall be positioned so intake does not rest on stream bed.
13. Cofferdams and dewatering required to dry work areas so scour protection can be installed in dry conditions.
14. Only one cofferdam shall be in place at any given time to allow for adequate stream flow.
15. Cofferdams shall be constructed of non-erosive material.