

PROJECT	DESIGNATION
2000152	2000152
CONTRACT	
R-43507	

INDIANA DEPARTMENT OF TRANSPORTATION



ROAD PLANS

LOCATION: RAIDER RD ROUNDABOUT AT US 36 - INTERSECTION IMPROVEMENT

PROJECT NO. 2000152 PE
2000152 R/W
2000152 CONST.

TRAFFIC DATA - US 36		
A.A.D.T.	(2025)	4,360 V.P.D.
A.A.D.T.	(2045)	4,811 V.P.D.
D.H.V.	(2045)	490 V.P.H.
DIRECTIONAL DISTRIBUTION		51%
TRUCKS		16% A.A.D.T.

DESIGN DATA	
DESIGN SPEED	55 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	STATE COLLECTOR
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	NONE

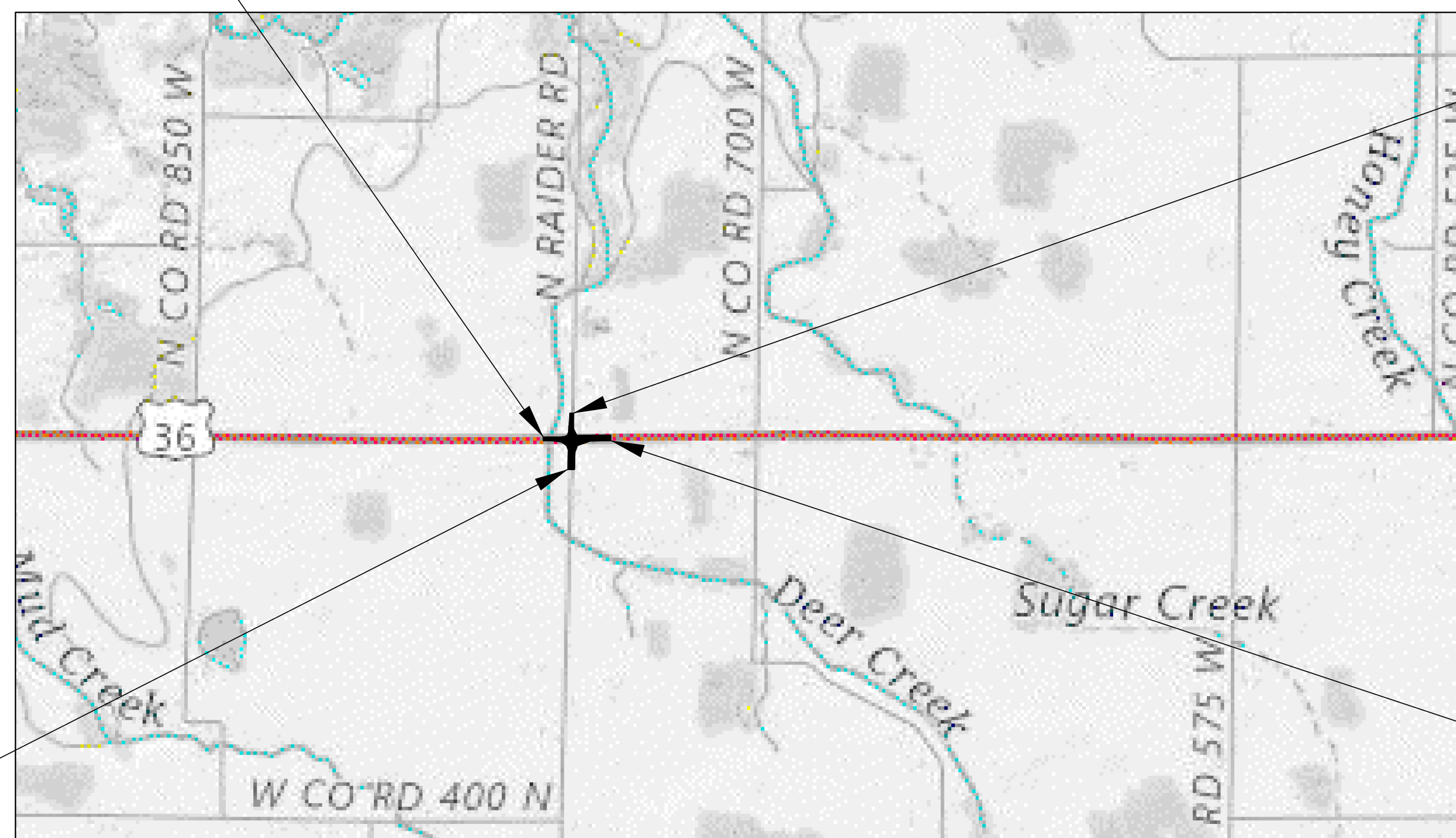
TRAFFIC DATA - RAIDER ROAD		
A.A.D.T.	(2025)	1,909 V.P.D.
A.A.D.T.	(2045)	1,947 V.P.D.
D.H.V.	(2045)	214 V.P.H.
DIRECTIONAL DISTRIBUTION		44%
TRUCKS		20% A.A.D.T.

DESIGN DATA	
DESIGN SPEED	55 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	LOCAL AGENCY COLLECTOR
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	NONE

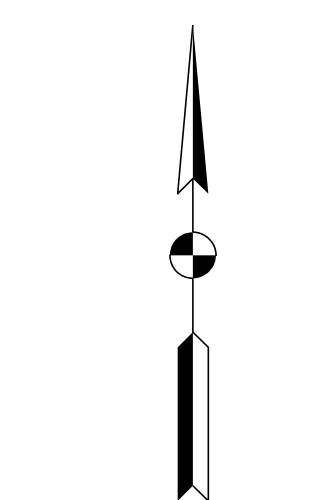
Intersection conversion to Roundabout at US 36 and Raider Road

LOCATED IN SECTIONS
SEC 17, T-18-N, R-9-E
SEC 20, T-18-N, R-9-E
FALL CREEK TOWNSHIP
HENRY COUNTY, INDIANA

BEGIN PROJECT 2000152
STA. 352+00.00 "PR-A"



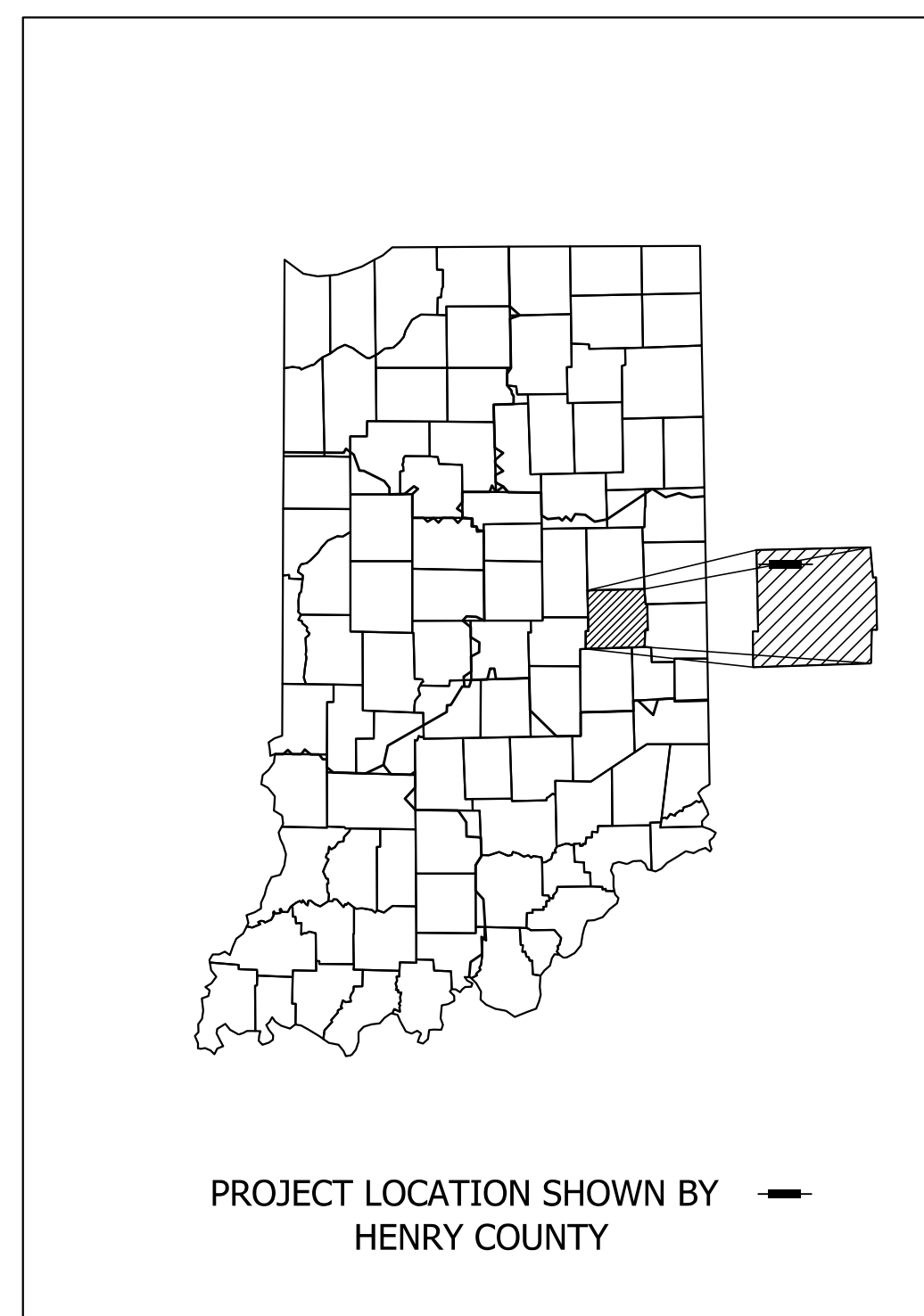
END CONSTRUCTION
STA. 39+50.00 "S-A"



SCALE: 1"=5000'

BEGIN CONSTRUCTION
STA. 32+50.00 "S-A"

END PROJECT 2000152
STA. 359+50.00 "A"



LATITUDE: 40°00'16" N LONGITUDE: 85°31'41" W

GROSS LENGTH: 0.13 MI.
TOTAL LENGTH: 0.13 MI.
MAX. GRADE: 1.50 %

HUC: 05120201100020

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

Plot: 1/2/2024

File: RD_Title Sheet.dgn
Model:RD_Title Sheet

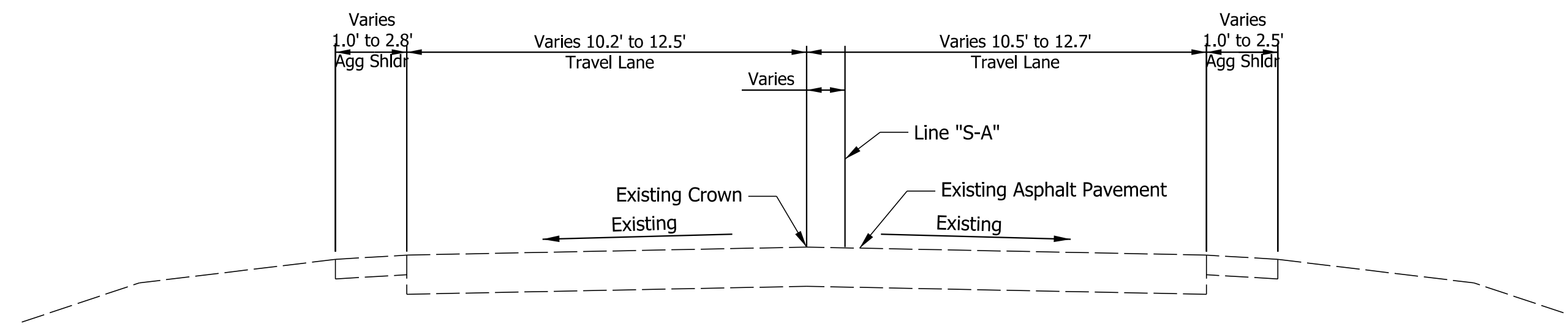
Plans Prepared By:



STAGE 2
09/06/23

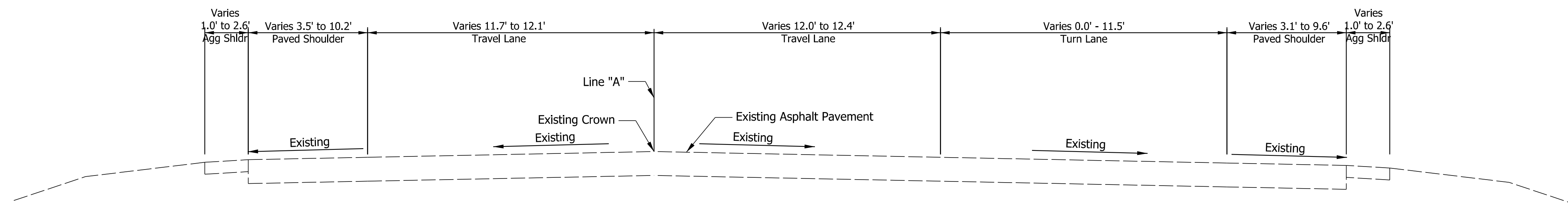
PLANS PREPARED BY: FISHBECK (317) 577-9050 PHONE NUMBER
CERTIFIED BY: _____ DATE 09/06/23
APPROVED FOR LETTING: _____ DATE
INDIANA DEPARTMENT OF TRANSPORTATION

DESIGNATION	
2000152	
SHEETS	
1	of 38
CONTRACT	PROJECT
R-43507	2000152



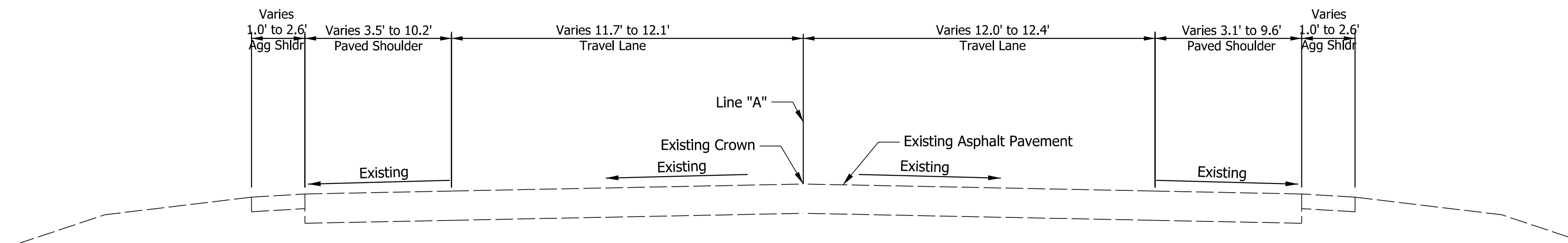
N RAIDER RD EXISTING SECTION

Sta. 32+00.00 to 40+00.00 Line "S-A"



US 36 EXISTING SECTION

Sta. 353+15.26 to 355+50.00 Line "A"



US 36 EXISTING SECTION

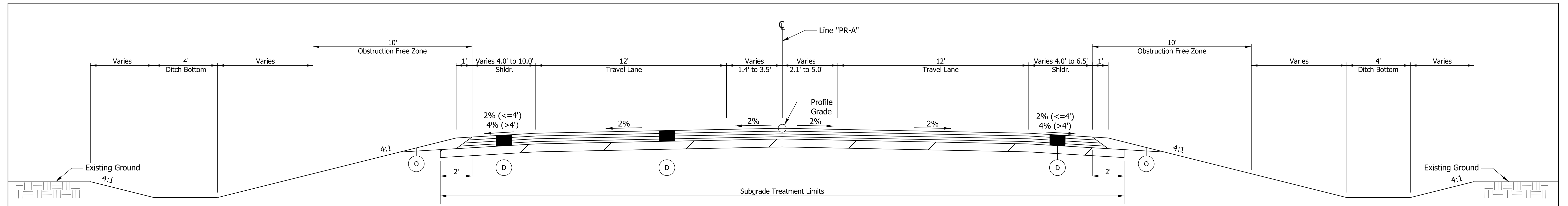
Sta. 355+50.00 to 361+00.00 Line "A"

Note: Existing typical sections shown for reference information.

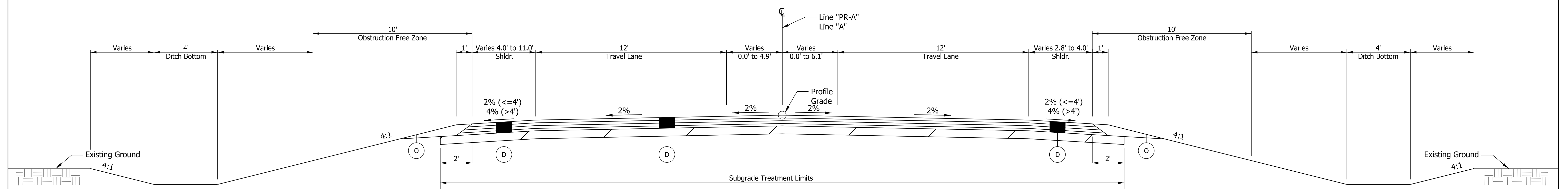
Plot: 1/2/2024

File: RD_Existing Typ Sections.dgn
Model: Typical 1

STAGE 2 09/06/23	RECOMMENDED FOR APPROVAL _____ 09/06/23 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE 1"=3'	BRIDGE FILE
	DESIGNED: BV 09/06/23 DRAWN: BV 09/06/23		DESIGNATION 2000152	
CHECKED: RI 09/06/23 CHECKED: RI 09/06/23	EXISTING TYPICAL SECTIONS	CONTRACT R-43507	SHEETS 3 of 38 PROJECT 2000152	



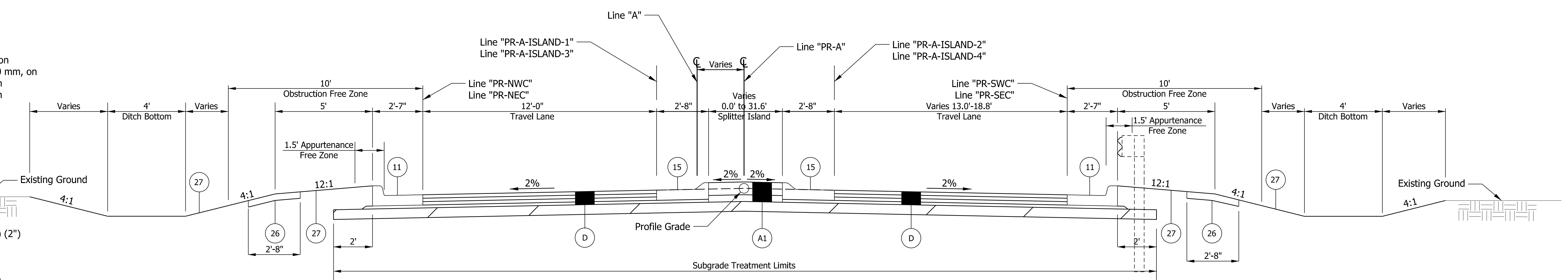
US 36
Sta. 353+15.31 to 353+21.58 Line "PR-A"



US 36
Sta. 359+10.79 to 360+00.00 Line "PR-A"

LEGEND

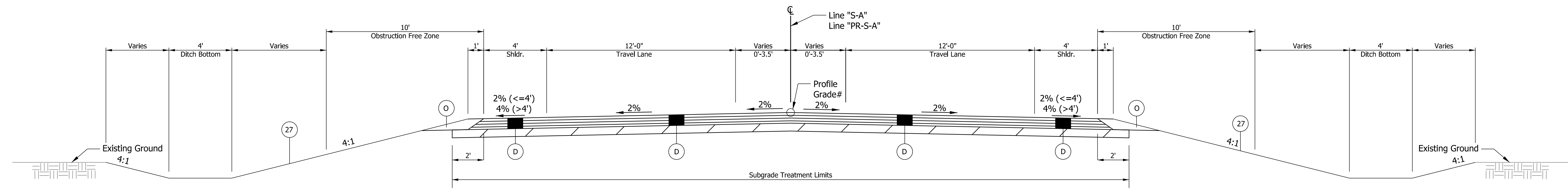
- (A) 8 in. PCCP (Colored), on
13 in. Compacted Aggregate No. 53
Subgrade Treatment, Type IBC
 - (A1) 8 in. PCCP (Colored), on
14 in. Compacted Aggregate No. 53, on
Subgrade Treatment, Type IBC
 - (D) 220 lb/syd QC/QA HMA, 3, 76, Surface, 9.5 mm, on
275 lb/syd QC/QA HMA, 3, 76, Intermediate, 19.0 mm, on
385 lb/syd QC/QA HMA, 3, 64, Base, 25.0 mm, on
440 lb/syd QC/QA HMA, 3, 64, Base, 25.0 mm, on
6 in. Compacted Aggregate No. 53, on
Subgrade Treatment, Type IBC
 - (O) Variable Depth Compacted Aggregate, No 53
 - (R) 220 lb/syd QC/QA HMA, 3, 76, Surface, 9.5 mm
 - (11) Curb and Gutter, Concrete
 - (12) Curb and Gutter, B, Concrete
 - (13) Curb and Gutter, B, Concrete, Modified (Inverted) (2")
 - (14) Curb, Integral, Concrete
 - (15) Curb and Gutter, B, Concrete, Modified (Inverted)
 - (26) Sodding on 4" of Topsoil
 - (27) Mulched Seeding R
- Subgrade Treatment Type IBC



US 36
Sta. 353+21.61 to 355+12.38 Line "PR-A"
Sta. 356+51.99 to 359+10.72 Line "PR-A"

STAGE 2 09/06/23	RECOMMENDED FOR APPROVAL _____ 09/06/23 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION US 36 TYPICAL PROPOSED CROSS SECTIONS	SCALE 1"=3'	BRIDGE FILE
	DESIGNED: BV 09/06/23 DRAWN: BV 09/06/23 CHECKED: RI 09/06/23 CHECKED: RI 09/06/23		DESIGNATION 2000152	
			SHEETS 4 of 38	
			PROJECT 2000152	
			CONTRACT R-43507	

Plot: 1/2/2024

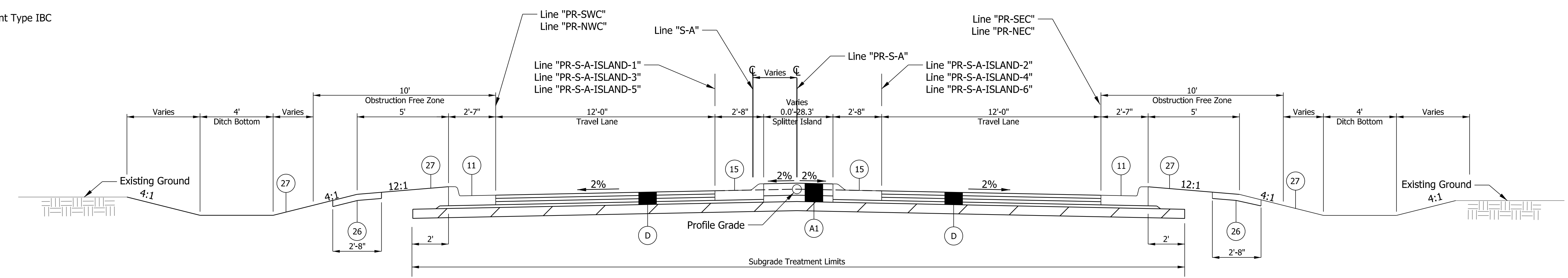


Raider Rd
 Sta. 32+30.00 to 32+63.11 Line "S-A"
 Sta. 32+63.11 to 32+96.62 Line "PR-S-A"
 Sta. 38+20.34 to 39+40.35 Line "PR-S-A"
 Sta. 39+21.02 to 39+50.00 Line "S-A"

- Proposed Crown Transitions from 1.82' Lt. Sta. 32+30.00 "S-A" to 0.0' Sta. 33+35.44 "PR-S-A"
 Proposed Crown Transitions from 0.0' Sta. 38+50.61 "PR-S-A" to 1.75' Lt. Sta. 39+50.00 "S-A"

LEGEND

- (A) 8 in. PCCP (Colored), on 13 in. Compacted Aggregate No. 53 Subgrade Treatment, Type IBC
 - (A1) 8 in. PCCP (Colored), on 14 in. Compacted Aggregate No. 53, on Subgrade Treatment, Type IBC
 - (D) 220 lb/syd QC/QA HMA, 3, 76, Surface, 9.5 mm, on 275 lb/syd QC/QA HMA, 3, 76, Intermediate, 19.0 mm, on 385 lb/syd QC/QA HMA, 3, 64, Base, 25.0 mm, on 440 lb/syd QC/QA HMA, 3, 64, Base, 25.0 mm, on 6 in. Compacted Aggregate No. 53, on Subgrade Treatment, Type IBC
 - (O) Variable Depth Compacted Aggregate, No 53
 - (R) 220 lb/syd QC/QA HMA, 3, 76, Surface, 9.5 mm
 - (11) Curb and Gutter, Concrete
 - (12) Curb and Gutter, B, Concrete
 - (13) Curb and Gutter, B, Concrete, Modified (Inverted) (2")
 - (14) Curb, Integral, Concrete
 - (15) Curb and Gutter, B, Concrete, Modified (Inverted)
 - (26) Sodding on 4" of Topsoil
 - (27) Mulched Seeding R
- Subgrade Treatment Type IBC



Raider Rd
 Sta. 32+96.55 to 35+26.04 Line "PR-S-A"
 Sta. 36+65.11 to 38+20.34 Line "PR-S-A"
 Sta. 38+40.35 to 39+21.02 Line S-A"

Plot: 1/2/2024

File: RD_Proposed Typ Sections Raider.dgn
 Model: Typical 1

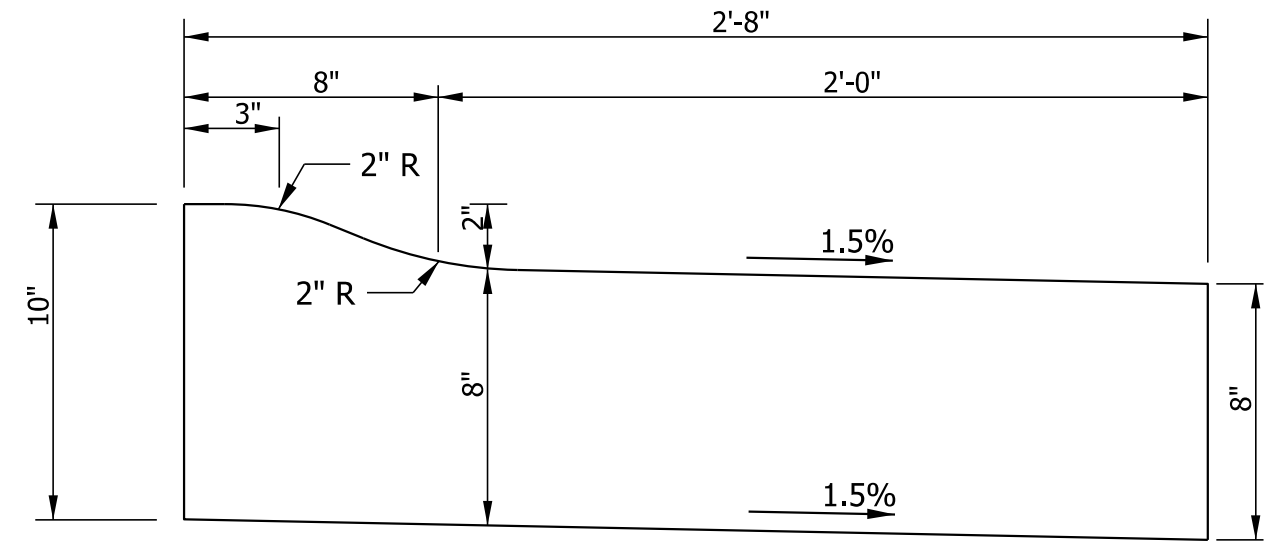
STAGE 2 09/06/23	RECOMMENDED FOR APPROVAL _____ 09/06/23 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION RAIDER ROAD TYPICAL PROPOSED CROSS SECTIONS	SCALE 1"=3'	BRIDGE FILE
	DESIGNED: BV 09/06/23 DRAWN: BV 09/06/23		DESIGNATION 2000152	
	CHECKED: RI 09/06/23 CHECKED: RI 09/06/23		SHEETS 5 of 38	
			CONTRACT R-43507	PROJECT 2000152

LEGEND

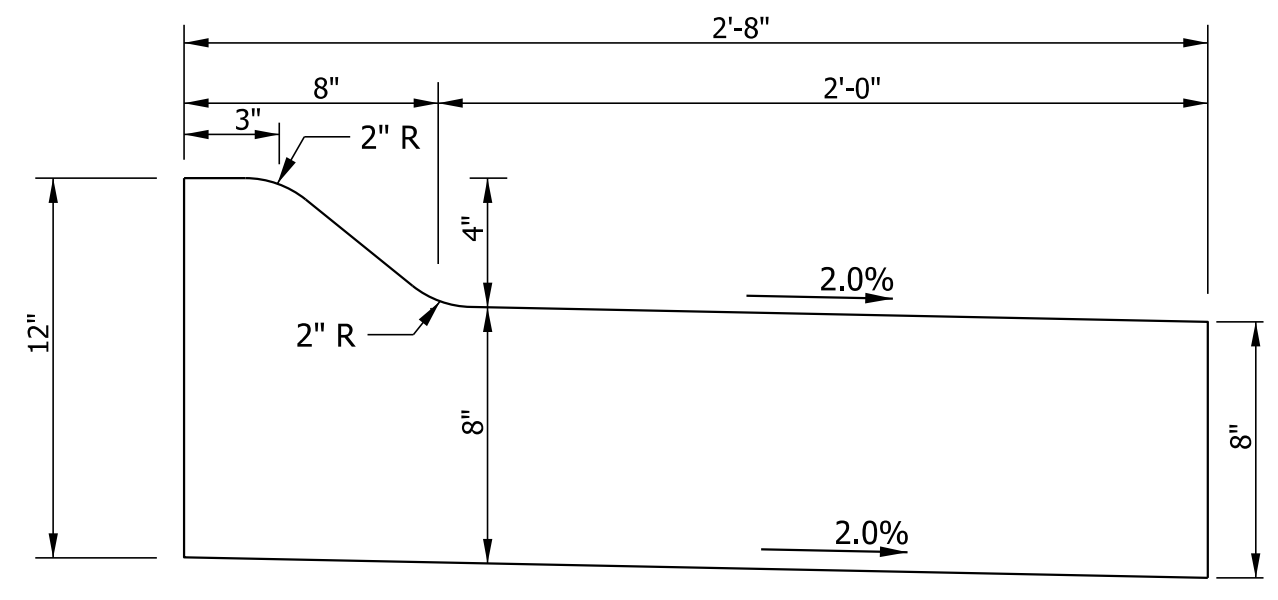
- (A) 8 in. PCCP (Colored), on
13 in. Compacted Aggregate No. 53
Subgrade Treatment, Type IBC
 - (A1) 8 in. PCCP (Colored), on
14 in. Compacted Aggregate No. 53, on
Subgrade Treatment, Type IBC
 - (D) 220 lb/syd QC/QA HMA, 3, 76, Surface, 9.5 mm, on
275 lb/syd QC/QA HMA, 3, 76, Intermediate, 19.0 mm, on
385 lb/syd QC/QA HMA, 3, 64, Base, 25.0 mm, on
440 lb/syd QC/QA HMA, 3, 64, Base, 25.0 mm, on
6 in. Compacted Aggregate No. 53, on
Subgrade Treatment, Type IBC
 - (O) Variable Depth Compacted Aggregate, No 53
 - (R) 220 lb/syd QC/QA HMA, 3, 76, Surface, 9.5 mm
 - (11) Curb and Gutter, Concrete
 - (12) Curb and Gutter, B, Concrete
 - (13) Curb and Gutter, B, Concrete, Modified (Inverted) (2")
 - (14) Curb, Integral, Concrete
 - (15) Curb and Gutter, B, Concrete, Modified (Inverted)
 - (26) Sodding on 4" of Topsoil
 - (27) Mulched Seeding R
- Subgrade Treatment Type IBC

GENERAL NOTES

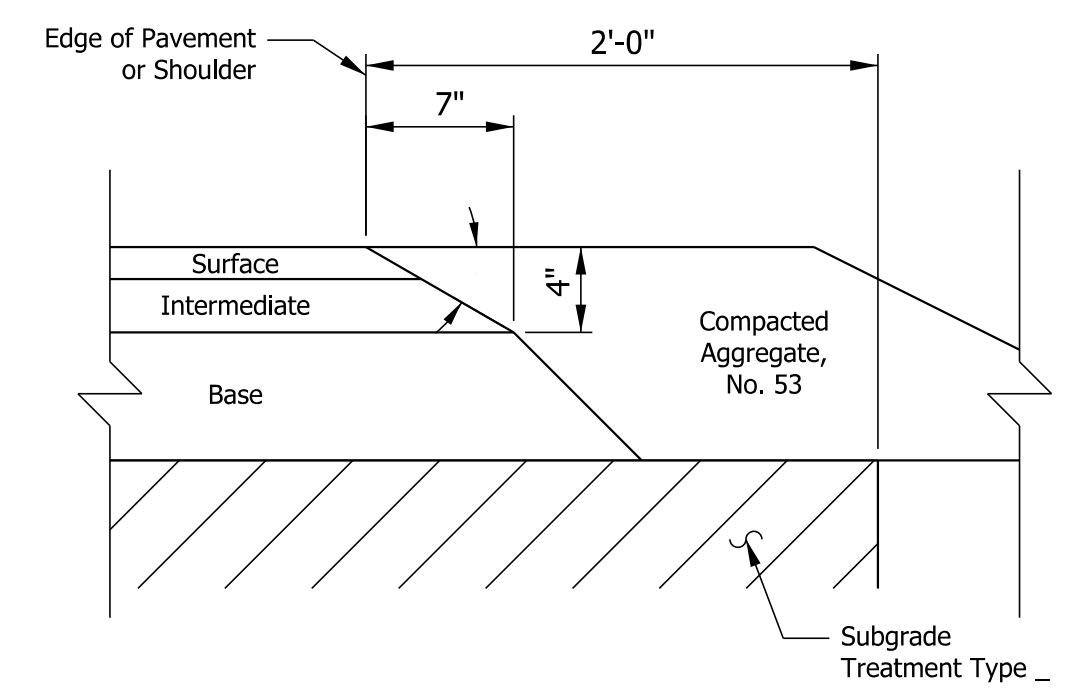
1. 13.5' Transverse Joint Spacing with 1 in. diameter dowels per ISS for the truck apron only.



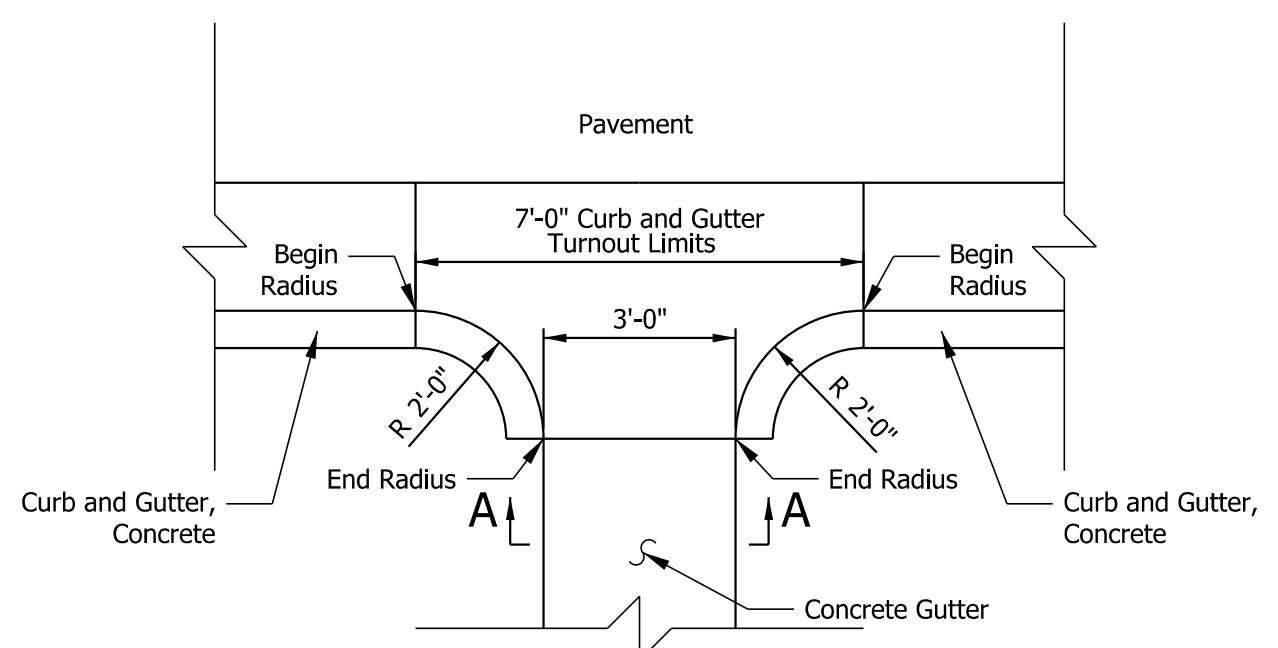
13 Curb & Gutter, B, Concrete, Modified (Inverted) (2" Reveal)
Scale: 1"=6"



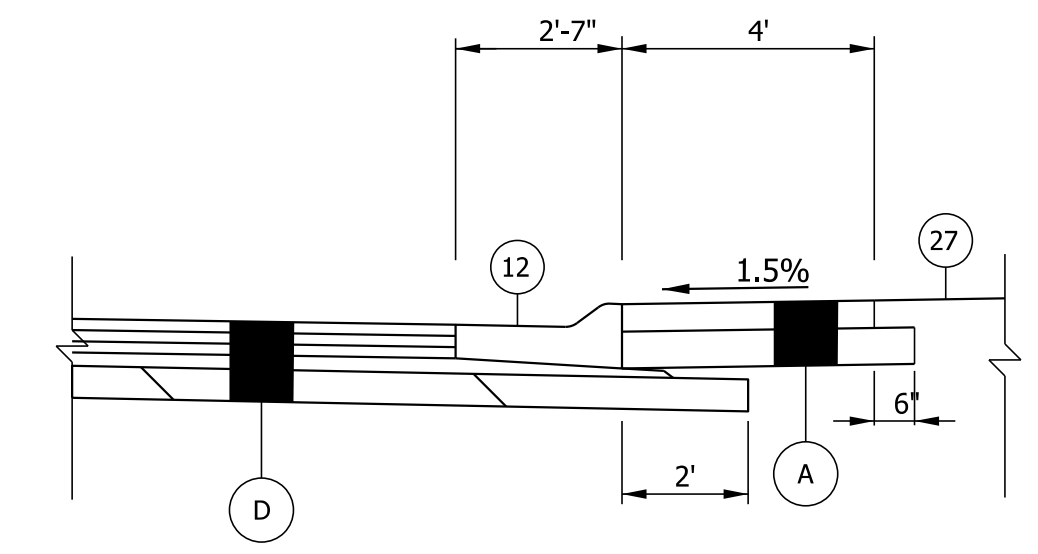
15 Curb & Gutter, B, Concrete, Modified (Inverted)
Scale: 1"=6"



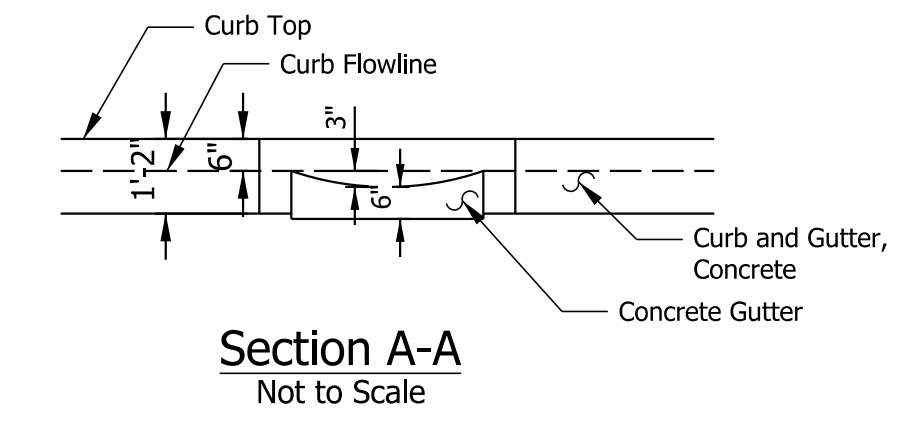
Safety Edge Detail
Not to Scale



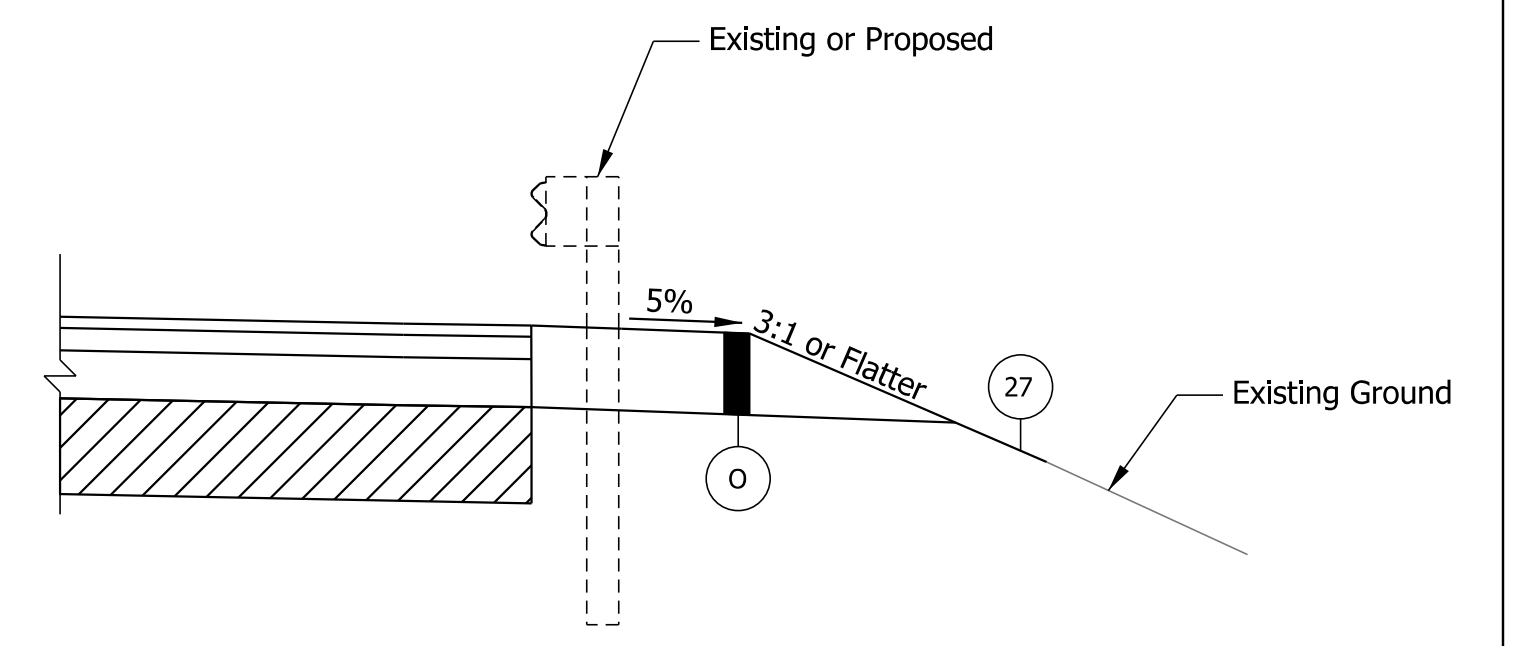
Curb & Gutter, Turnout Detail
Not to Scale
See 605-CTCG-01 for Additional Details



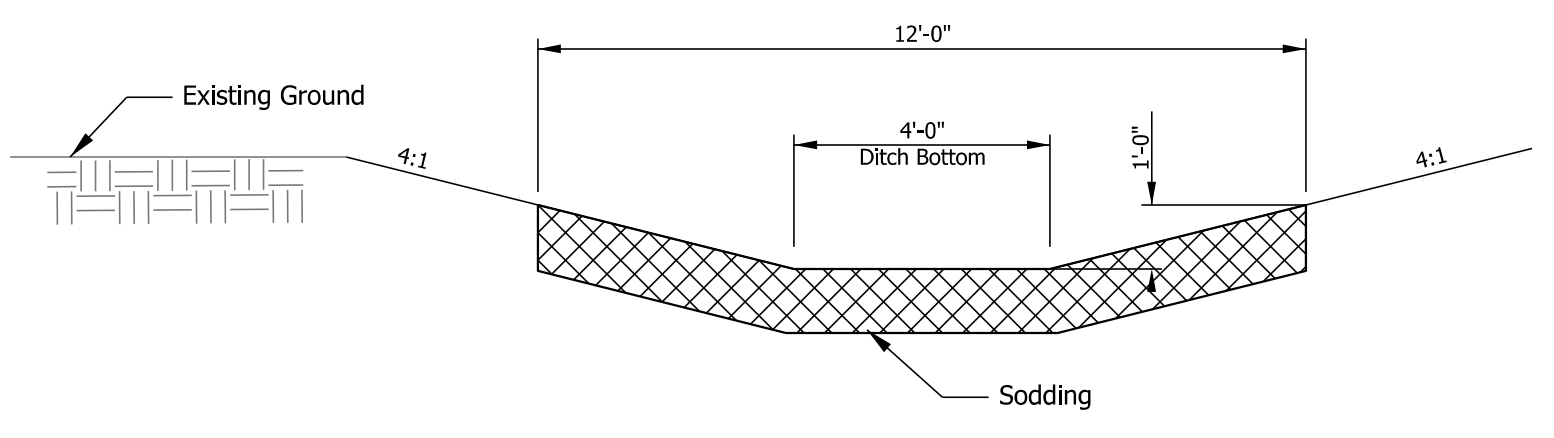
Corner Truck Apron Detail
Not to Scale
Sta. 31+21.93 to 32+65.74 Line "PR-SWC"
Sta. 23+54.52 to 24+82.26 Line "PR-SEC"
Sta. 41+43.01 to 42+91.00 Line "PR-NWC"
Sta. 12+94.33 to 14+17.09 Line "PR-NEC"



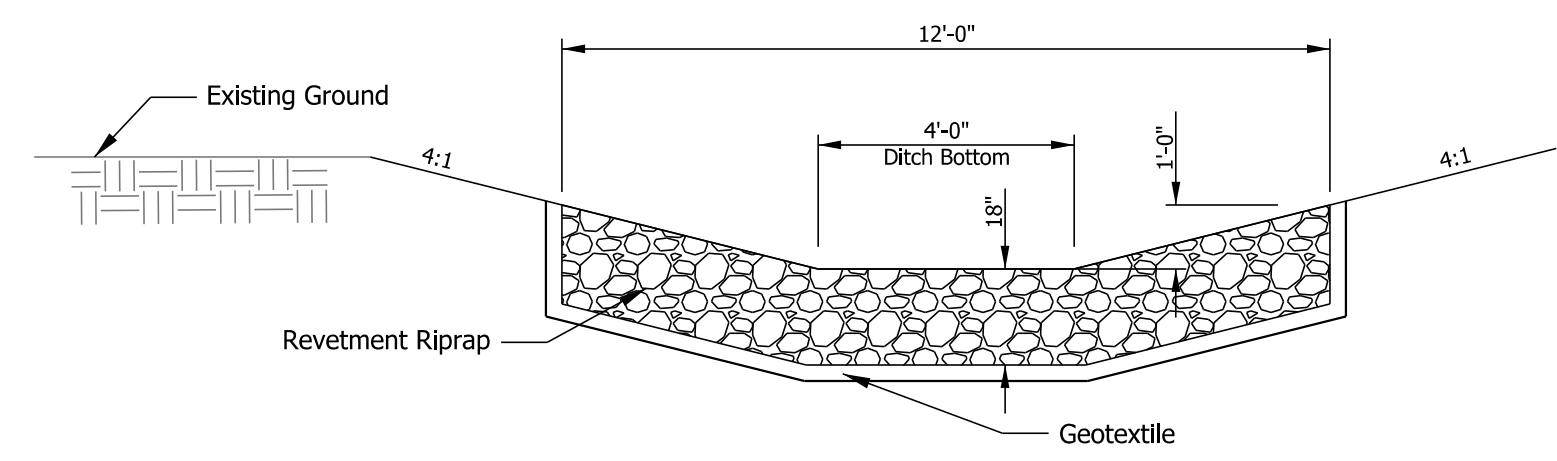
Section A-A
Not to Scale



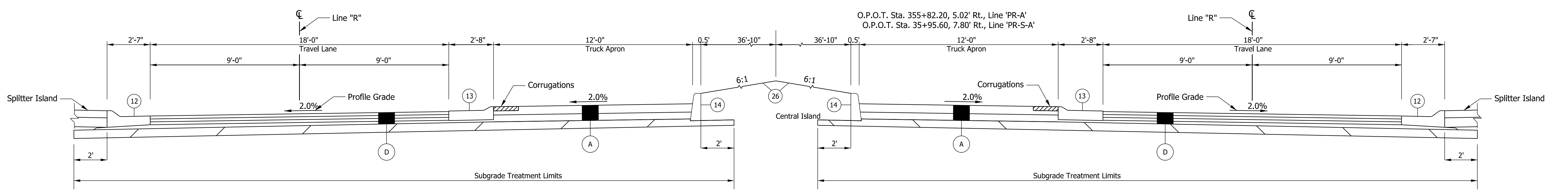
Guardrail Detail
Not to Scale
Existing
Sta. 353+15.31 to 354+03.60 Line "PR-A", Lt.
Sta. 353+15.31 to 353+50.47 Line "PR-A", Rt.
Proposed
"Tie to existing aluminum guardrail with A S Splice Connector"
Sta. 353+42.23 to 353+71.41 Line "PR-A", Rt.



Typical Sodding 4' Flat Bottom Ditch Detail (4:1 Slopes)
Not to Scale



Typical Riprap 4' Flat Bottom Ditch Detail (4:1 Slopes)
Not to Scale

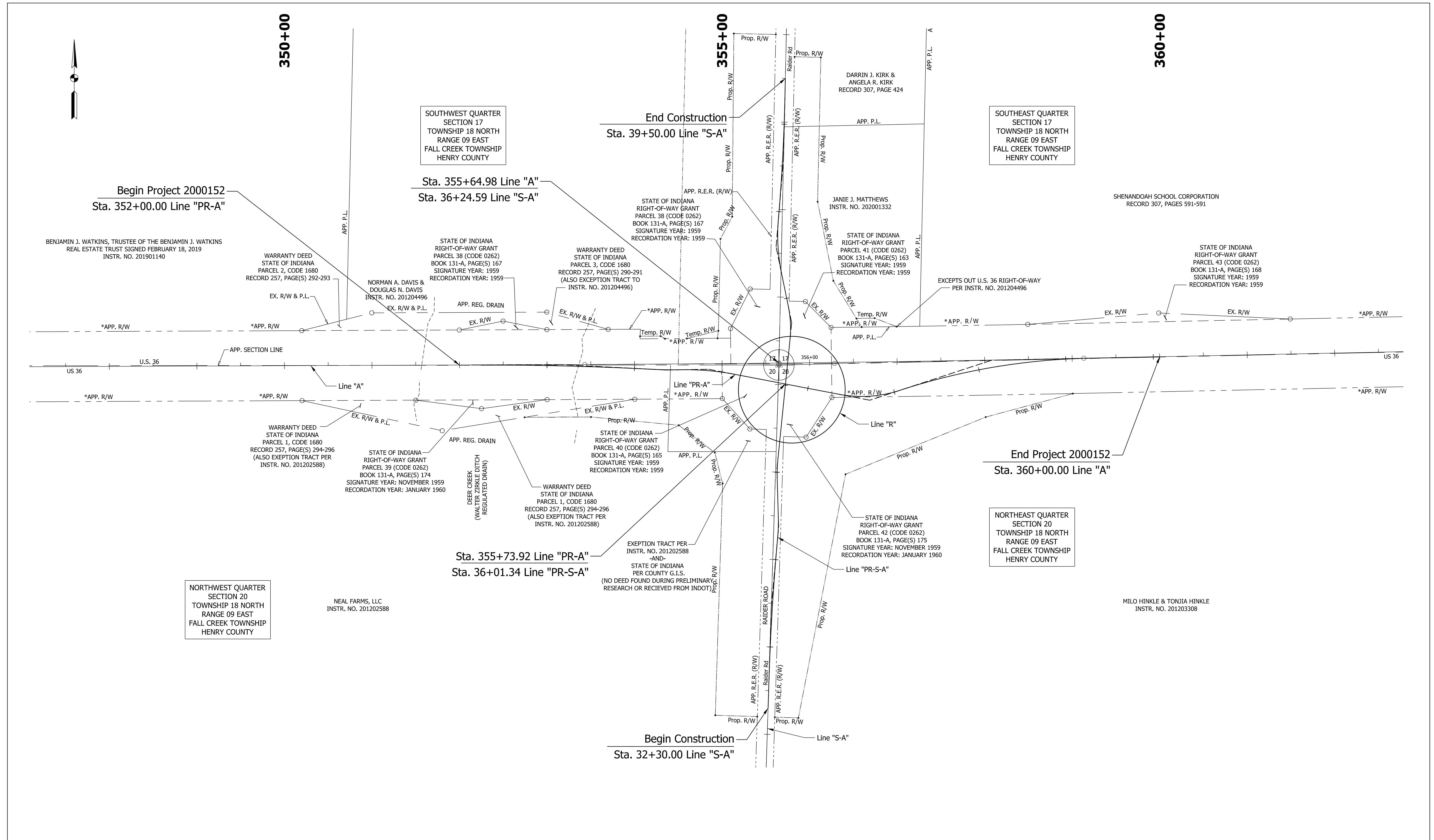


Roundabout Circulatory Roadway at Splitter Island

Plot: 1/2/2024

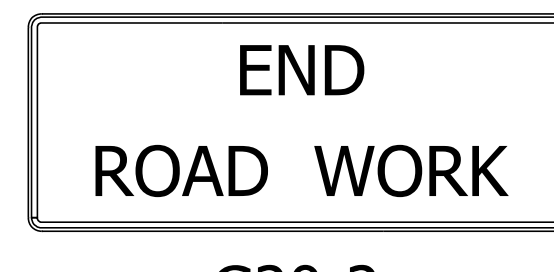
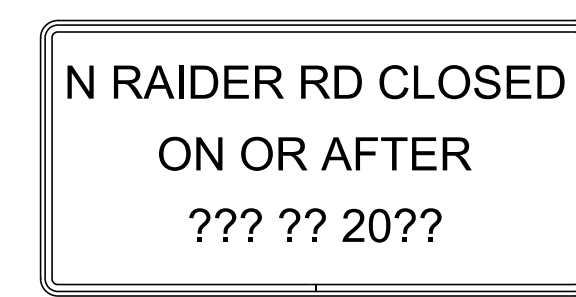
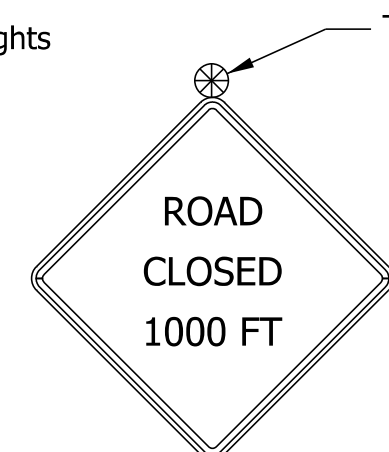
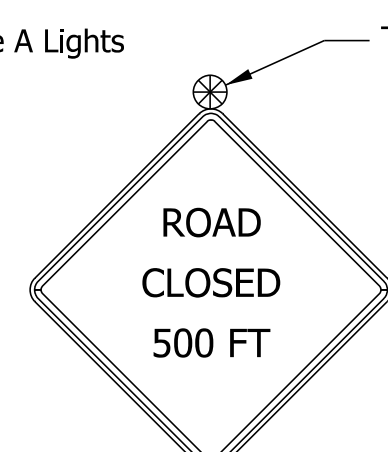
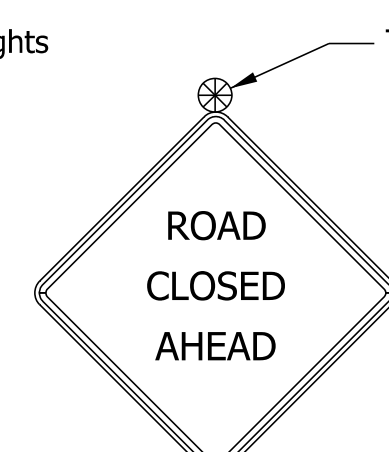
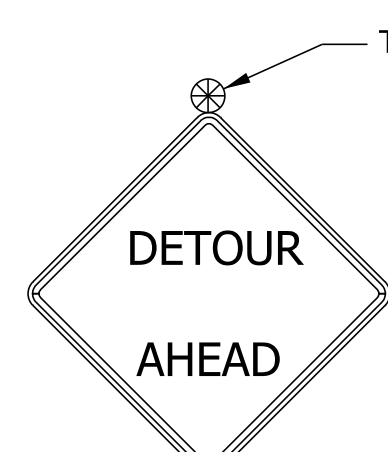
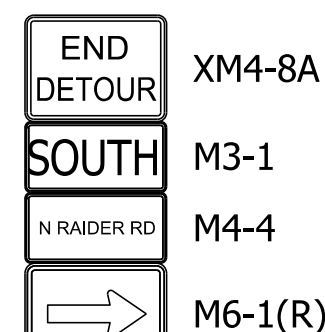
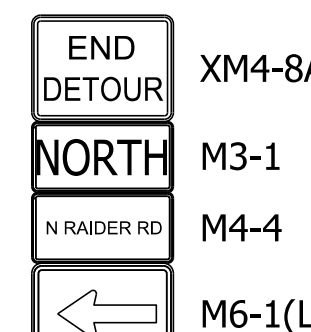
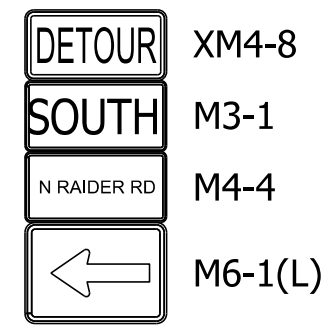
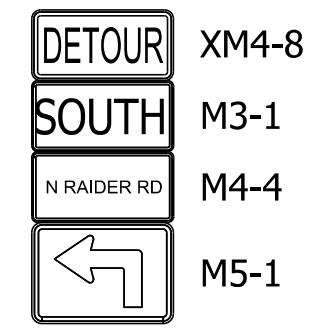
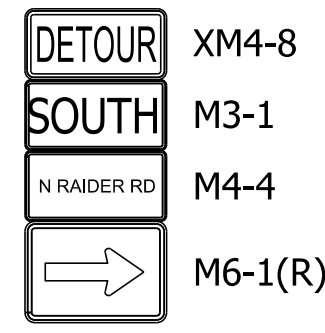
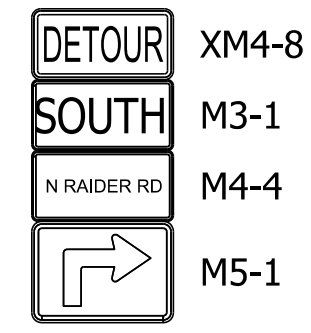
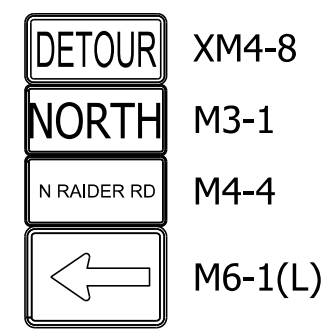
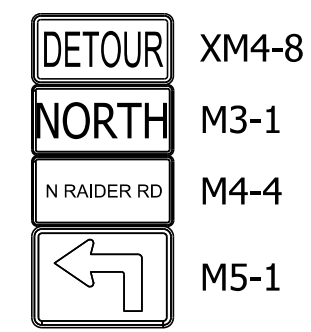
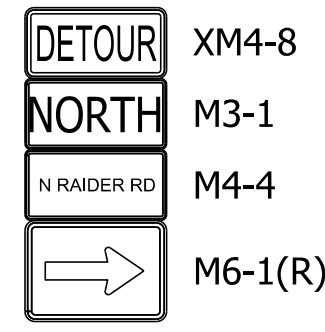
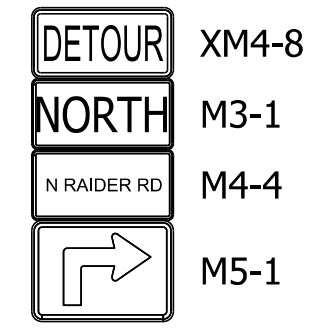
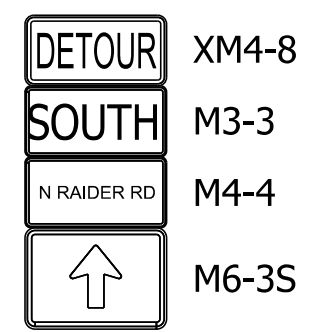
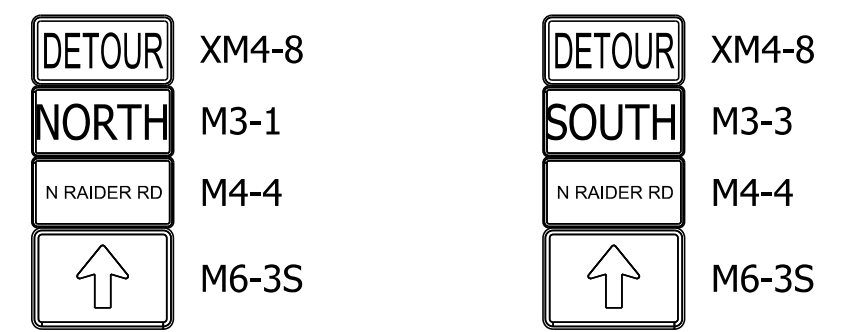
File: RD_Proposed Typ Sections Round.dgn
Model: Typical 1

STAGE 2 09/06/23	RECOMMENDED FOR APPROVAL _____ 09/06/23 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION ROUNDABOUT PROPOSED TYPICAL SECTIONS	SCALE 1"=3'	BRIDGE FILE
	DESIGNED: BV 09/06/23 DRAWN: BV 09/06/23		DESIGNATION 2000152	
	CHECKED: RI 09/06/23 CHECKED: RI 09/06/23		SHEETS 6 of 38	
	CONTRACT R-43507		PROJECT 2000152	



STAGE 2 09/06/23	RECOMMENDED FOR APPROVAL _____ 09/06/23 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION US 36 AND RAIDER RD PLAT NO. 1	SCALE 1"=50'	BRIDGE FILE DESIGNATION 2000152
	DESIGNED: BV 09/06/23 DRAWN: BV 09/06/23		SHEETS 7 of 38	
	CHECKED: RI 09/06/23 CHECKED: RI 09/06/23		PROJECT 2000152	
	CONTRACT R-43507		SHEETS 7 of 38	

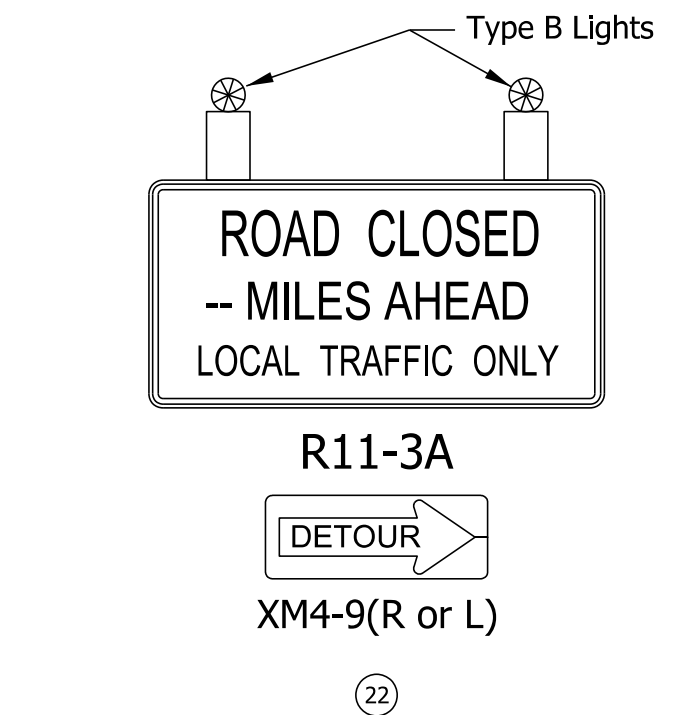
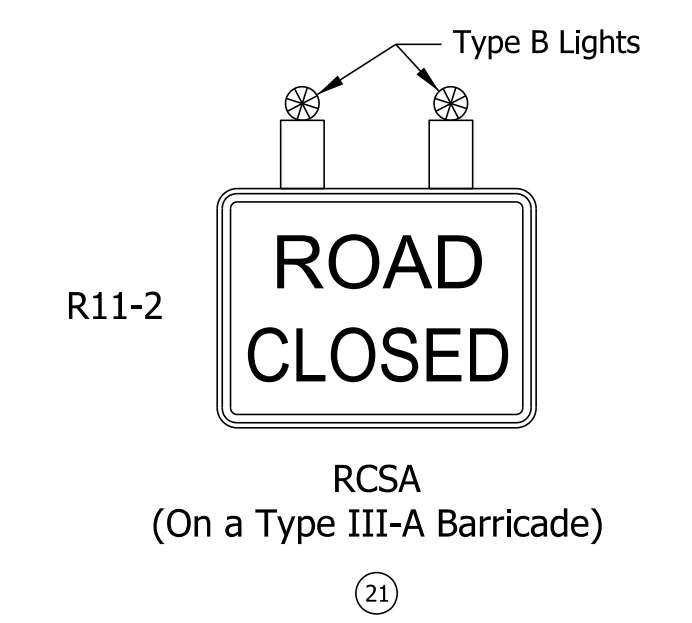
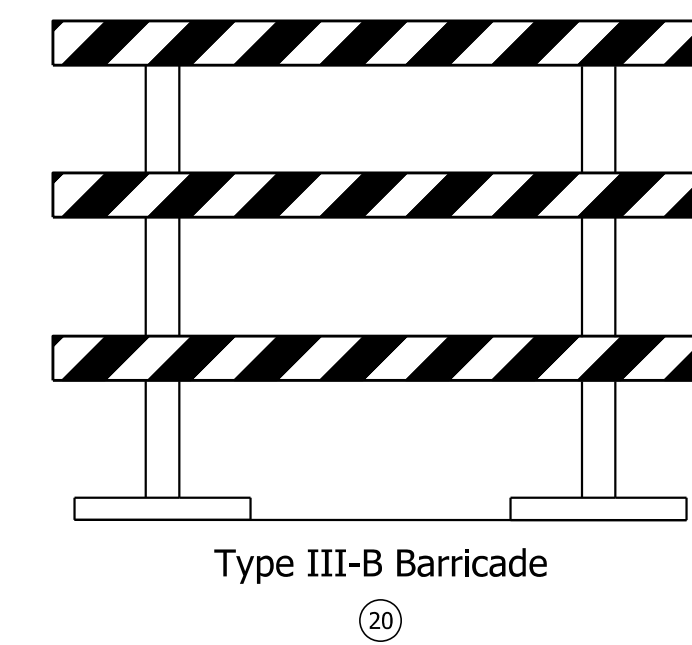
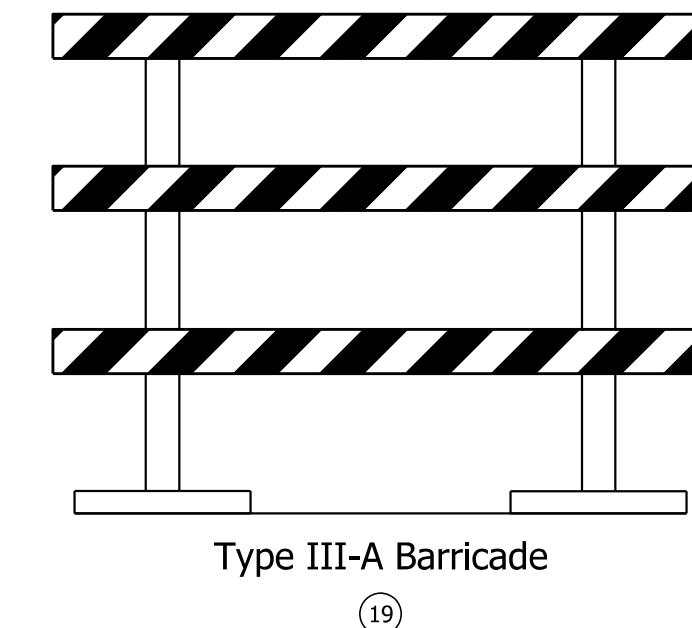
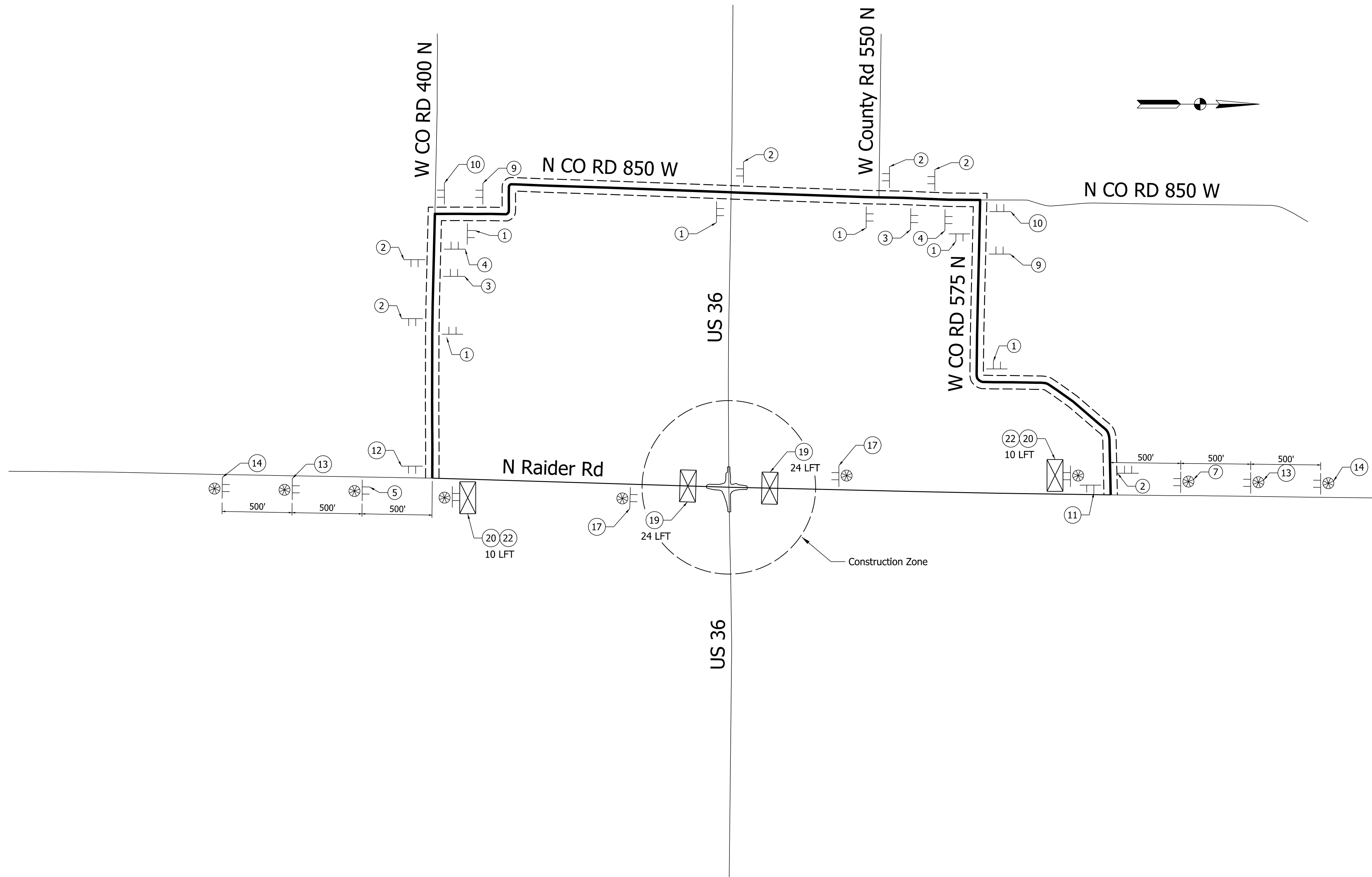
Plot: 1/2/2024
 File:
 Model:Default



LEGEND

- Construction Sign w/Type "A" Construction Warning Light
- Construction Sign
- Type III-A or Type III-B Barricade

--- Detour Route

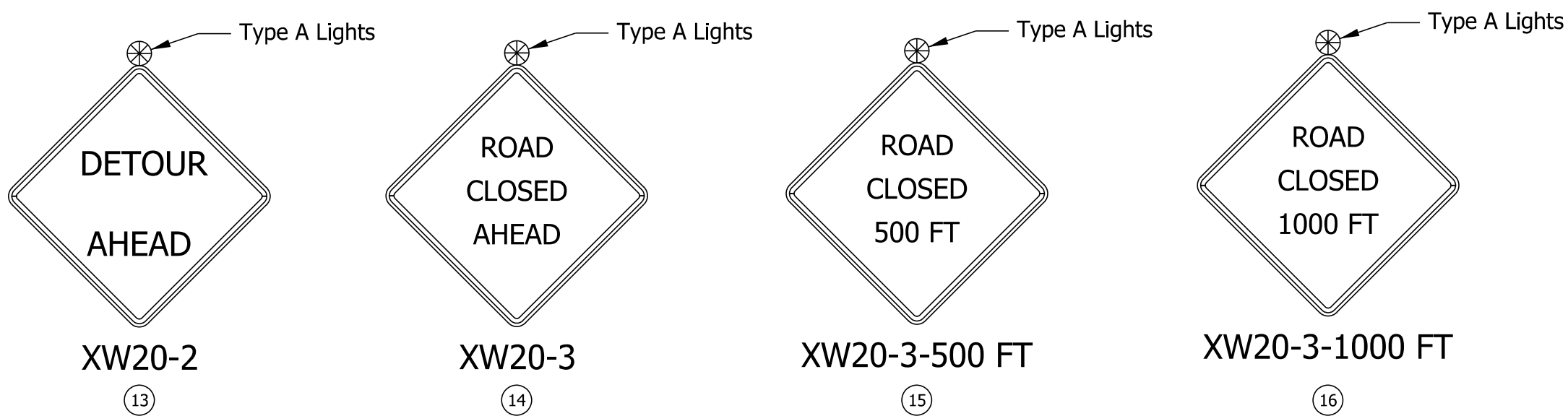
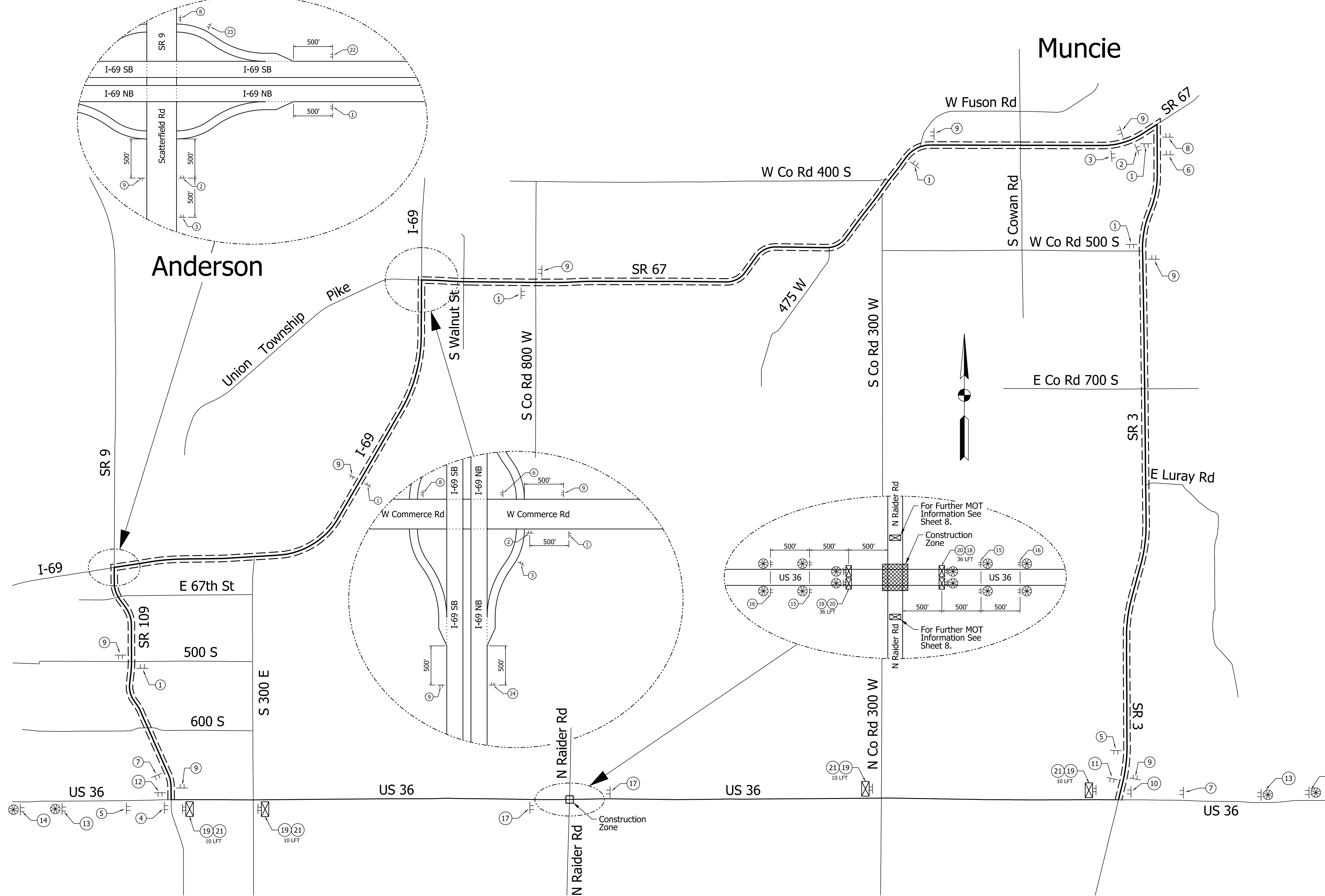


- GENERAL NOTES
- Traffic Control Devices Shall be placed in accordance with INDOT Standard Specifications, Standard Drawings, and the Indiana Manual of Uniform Traffic Control Devices.
 - Emergency Services, public schools, public transit and postal services shall be contacted a minimum of 14 days prior to beginning.
 - For additional information on detour sign placement, see Std. Dwg. E 801-TCDT-01 through 4.
 - Clearing and staking of ROW shall commence within 60 days of Notice to Proceed (NTP).
 - A 36' Barricade Type III-A shall be installed at each driveway access to Shenandoah Schools parking lot along Raider and US 36.

Plot: 1/2/2024
File:
Model:Default

STAGE 2 09/06/23	RECOMMENDED FOR APPROVAL _____ 09/06/23 DESIGN ENGINEER DATE	INDIANA DETOUR DEPARTMENT OF TRANSPORTATION MAINTENANCE OF TRAFFIC N RAIDER RD DETOUR	SCALE	BRIDGE FILE
	DESIGNED: BV 09/06/23 DRAWN: BV 09/06/23		NTS	DESIGNATION
	CHECKED: RI 09/06/23 CHECKED: RI 09/06/23		PROJECT	SHEETS
			R-43507	2000152

- ① DETOUR EAST XM4-8 M3-2 36 M1-4 M6-3S ↑ M6-1(R)S
- ② DETOUR EAST XM4-8 M3-2 36 M1-4 M6-1(R)S → M6-1(L)S
- ③ DETOUR EAST XM4-8 M3-2 36 M1-4 M5-1(R)S ↘ M5-1(L)S
- ④ DETOUR WEST XM4-8 M3-4 36 M1-4 M5-1(L)S ↙ M6-1(L)S
- ⑤ DETOUR WEST XM4-8 M3-4 36 M1-4 M5-1(R)S ↘ M6-1(L)S
- ⑥ DETOUR WEST XM4-8 M3-4 36 M1-4 M6-1(L)S ↙ M6-1(R)S
- ⑦ DETOUR WEST XM4-8 M3-4 36 M1-4 M5-1(R)S ↘ M6-1(L)S
- ⑧ DETOUR WEST XM4-8 M3-4 36 M1-4 M6-1(L)S ↙ M6-1(R)S
- ⑨ END DETOUR EAST XM4-8A M3-4 36 M1-4 M6-3S ↑ M6-1(R)S
- ⑩ END DETOUR WEST XM4-8A M3-2 36 M1-4 M6-1(R)S ↙ M6-1(L)S
- ⑪ END DETOUR EAST XM4-8A M3-4 36 M1-4 M6-1(L)S ↙ M6-1(R)S
- ⑫ END DETOUR WEST XM4-8A M3-2 36 M1-4 M6-1(R)S ↘ M6-1(L)S



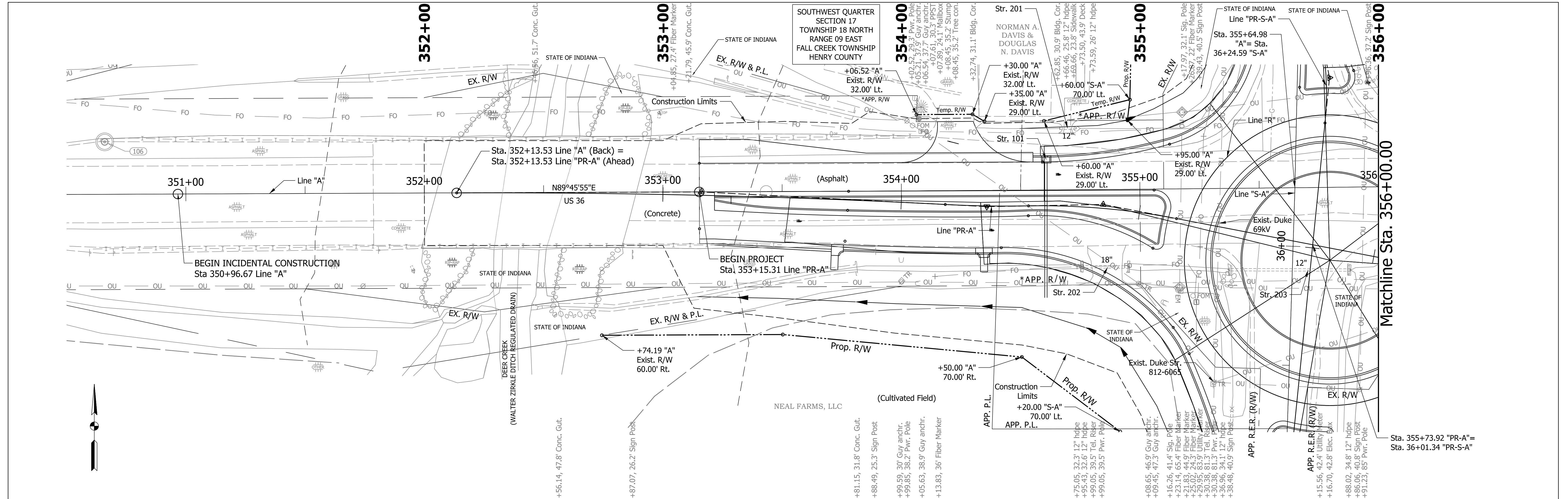
- ⑬ Type III-A Barricade
- ⑭ Type III-B Barricade
- ⑮ ROAD CLOSED -- MILES AHEAD LOCAL TRAFFIC ONLY R11-3A
- ⑯ DETOUR XM4-9(R or L)
- ⑰ DETOUR WEST XM4-8 M3-4 36 M1-4 M6-2(R)S ↙ M5-1(L)S
- ⑱ DETOUR WEST XM4-8 M3-4 36 M1-4 M6-2(R)S ↙ M5-1(L)S
- ⑲ DETOUR EAST XM4-8 M3-2 36 M1-4 M6-2(R)S ↘

MOT SUMMARY		
ITEM	UNITS	TOTALS
DETOUR ROUTE MARKER ASSEMBLIES	EA	65
CONSTRUCTION SIGN A	EA	13
CONSTRUCTION SIGN B	EA	6
ROAD CLOSURE SIGN ASSEMBLY	EA	12
BARRICADE III-A	LF	264
BARRICADE III-B	LF	60

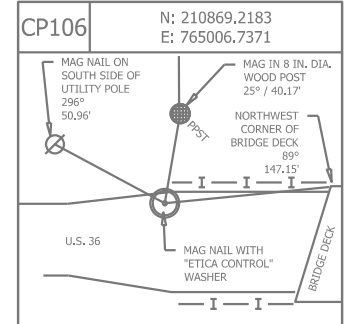
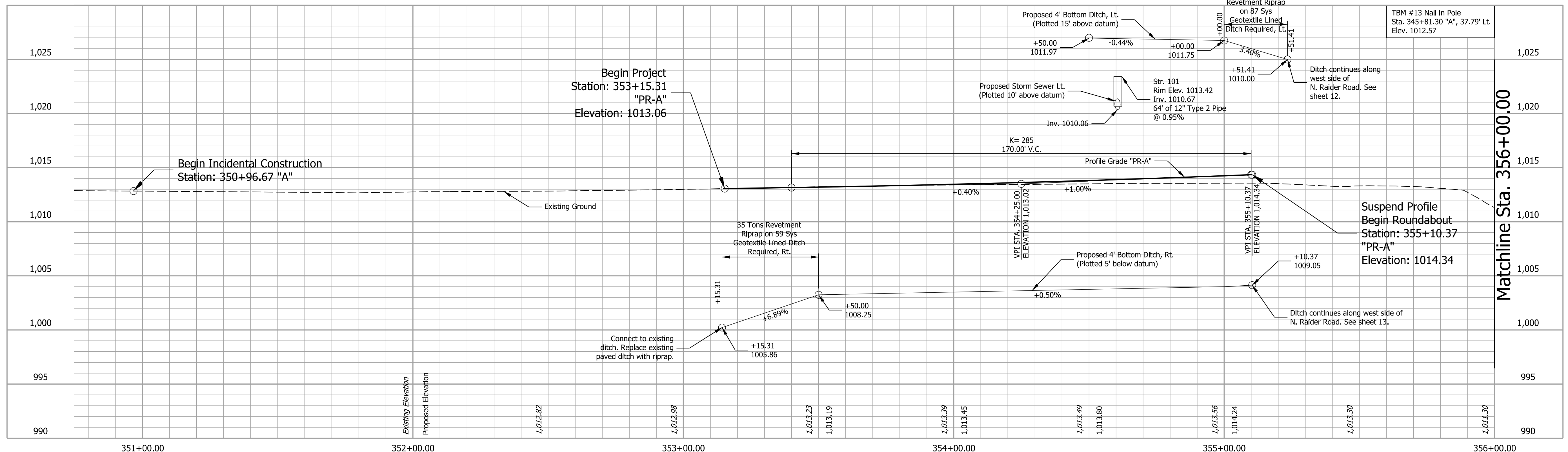
- GENERAL NOTES**
- Traffic Control Devices shall be placed in accordance with INDOT Standard Specifications, Standard Drawings, and the Indiana Manual of Uniform Traffic Control Devices.
 - Emergency Services, public schools, public transit and postal services shall be contacted a minimum of 14 days prior to beginning.
 - For additional information on detour sign placement, see Std. Dwg. E 801-TCDD-01 through 4.
 - Clearing and staking of ROW shall commence within 60 days of Notice to Proceed (NTP).
 - A 36" Barricade Type III-A shall be installed at each driveway access to Shenandoah Schools parking lot along Raider and US 36.

LEGEND Construction Sign w/Type "A" Construction Warning Light Construction Sign Type III-A or III-B Barricade	STAGE 2 09/06/23	RECOMMENDED FOR APPROVAL _____ 09/06/23 DATE DESIGN ENGINEER DESIGNED: BV 09/06/23 DRAWN: BV 09/06/23 CHECKED: RI 09/06/23 CHECKED: RI 09/06/23	INDIANA DEPARTMENT OF TRANSPORTATION MAINTENANCE OF TRAFFIC US 36 DETOUR	SCALE _____ BRIDGE FILE _____ NTS _____ DESIGNATION 2000152 SHEETS 9 of 38 CONTRACT R-43507 PROJECT 2000152	
			US 36 CLOSED ON OR AFTER ??? ?? 20?? R11-73B ⑰		ROAD CLOSED E5-2A (On a Type III-A Barricade) ⑳
			DETOUR EAST XM4-8 M3-2 36 M1-4 M6-2(R)S ↘		ROAD CLOSED R11-73B ⑰

Plot: 1/2/2024
 File: Model:Default



ALL TOPOGRAPHY ON THIS SHEET DESCRIBED FROM LINE "A" UNLESS OTHERWISE NOTED. ALL R/W ON THIS SHEET DESCRIBED FROM LINE "A" UNLESS OTHERWISE NOTED.



STAGE 2		RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
09/06/23		09/06/23		09/06/23		09/06/23	
DESIGNED: BV		DRAWN: BV		CHECKED: RI		09/06/23	

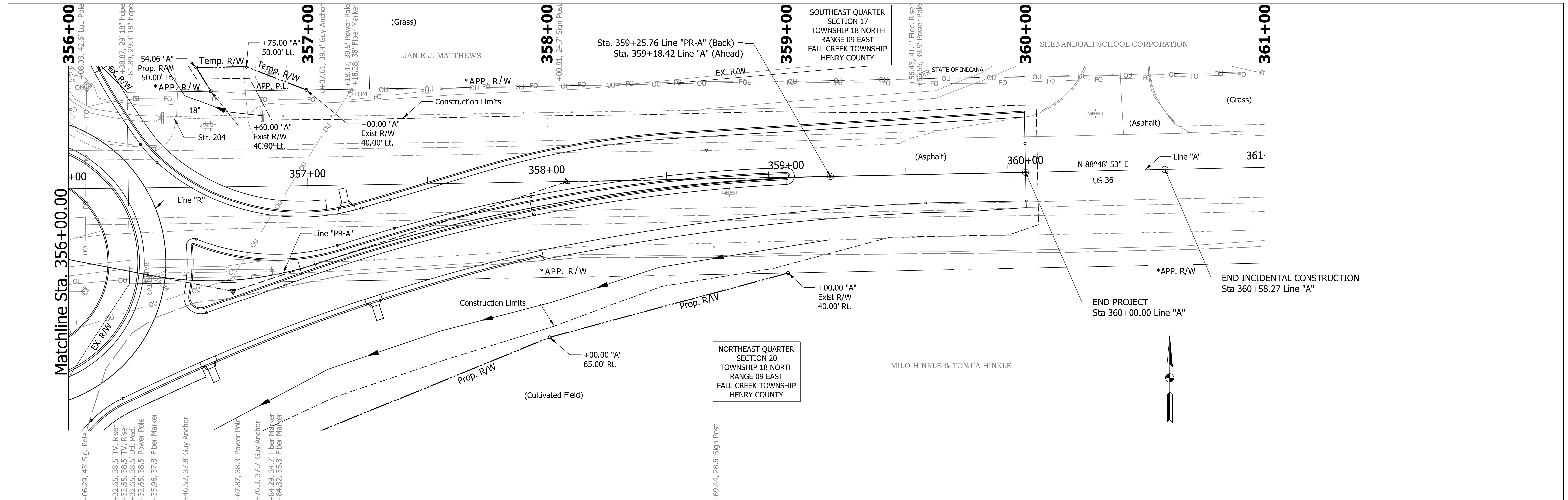
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
LINE "A"

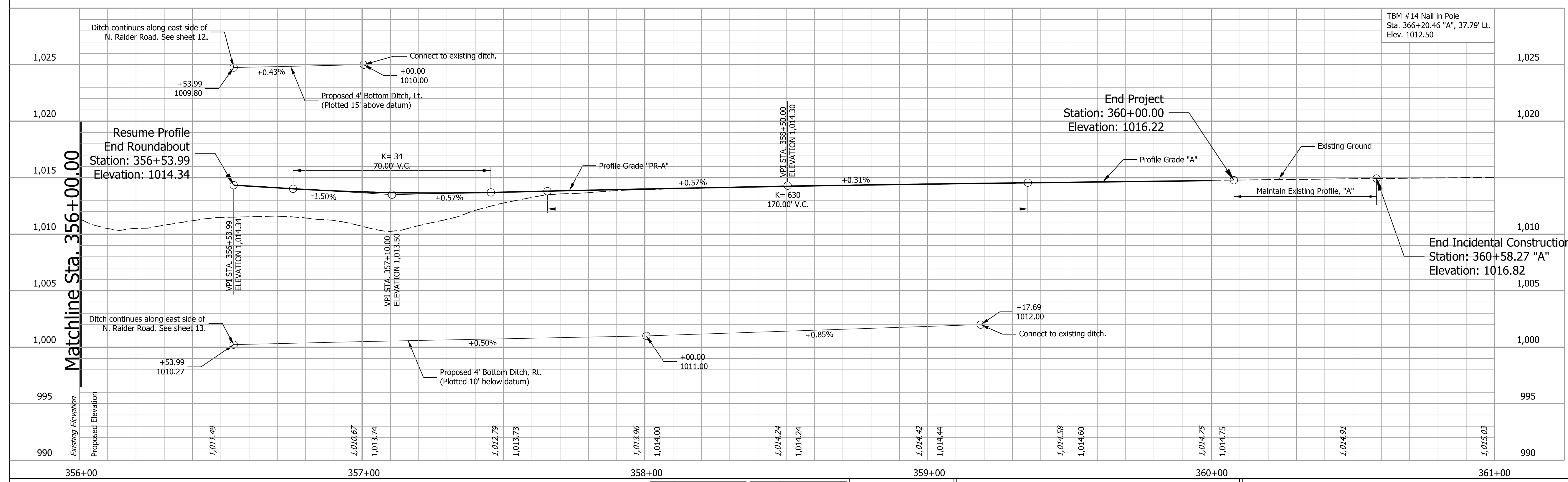
PROFILE HORIZONTAL SCALE	BRIDGE FILE	
1"=20'		
PROFILE VERTICAL SCALE	DESIGNATION	
1"=5'	2000152	
PLAN SCALE	SHEETS	
1"=20'	10	of 38
CONTRACT	PROJECT	
R-43507	2000152	

Plot: 1/2/2024

File:
Model:Default

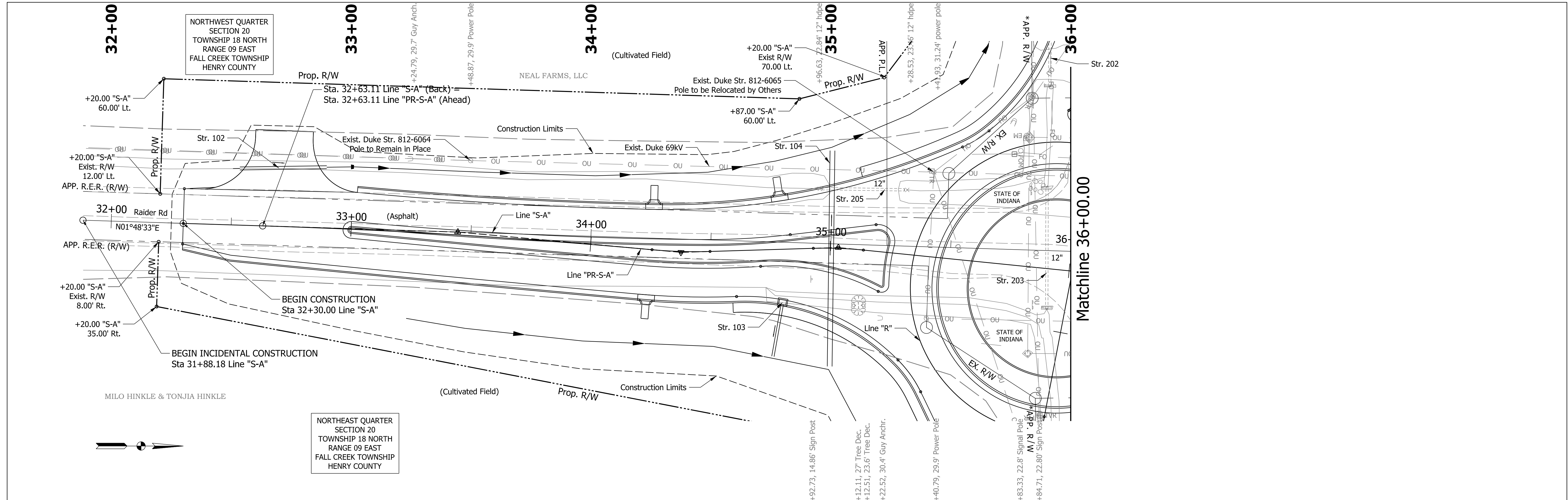


ALL TOPOGRAPHY ON THIS SHEET DESCRIBED FROM LINE "A" UNLESS OTHERWISE NOTED. ALL R/W ON THIS SHEET DESCRIBED FROM LINE "A" UNLESS OTHERWISE NOTED.

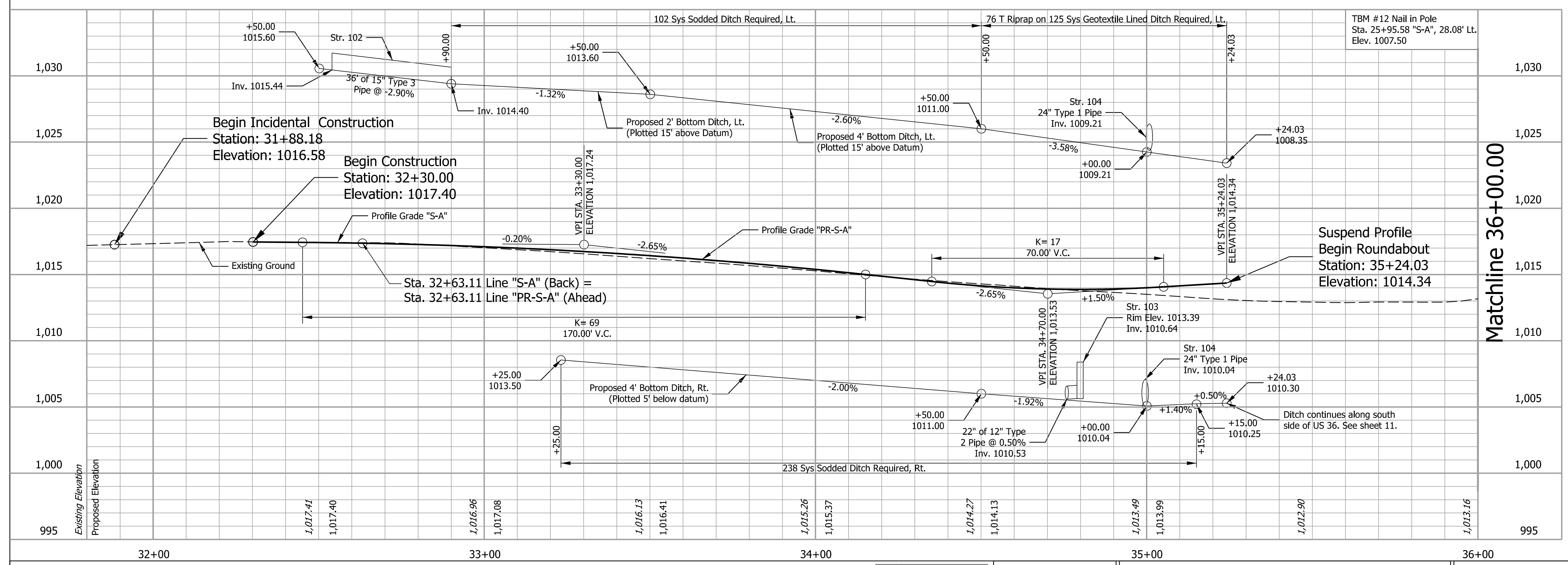


CP102 N: 210827.6301 E: 765561.7680	CP107 N: 210909.2341 E: 765998.5589	STAGE 2 09/06/23	RECOMMENDED FOR APPROVAL DESIGNED: BV 09/06/23 CHECKED: RI 09/06/23	09/06/23 DATE DESIGN ENGINEER DRAWN: BV 09/06/23 CHECKED: RI 09/06/23	INDIANA DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE LINE "A"	PROFILE HORIZONTAL SCALE 1"=20'	BRIDGE FILE
					PROFILE VERTICAL SCALE 1"=5'	DESIGNATION 2000152	
					PLAN SCALE 1"=20'	SHEETS 11 of 38	
					CONTRACT R-43507	PROJECT 2000152	

Plot: 1/2/2024
File: Model:Default



ALL TOPOGRAPHY ON THIS SHEET DESCRIBED FROM LINE "S-A" UNLESS OTHERWISE NOTED. ALL R/W ON THIS SHEET DESCRIBED FROM LINE "S-A" UNLESS OTHERWISE NOTED.

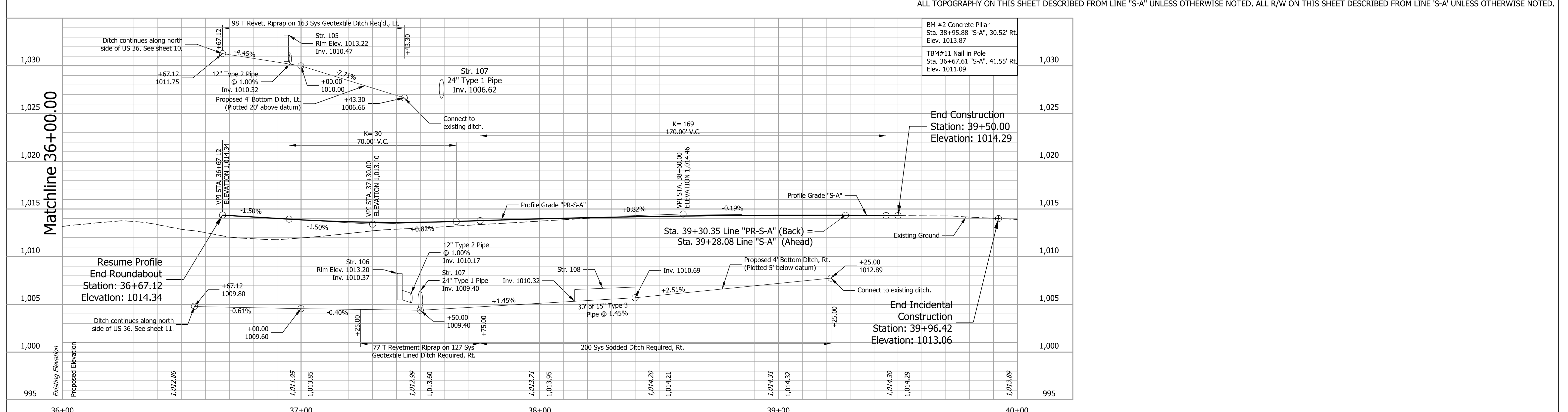
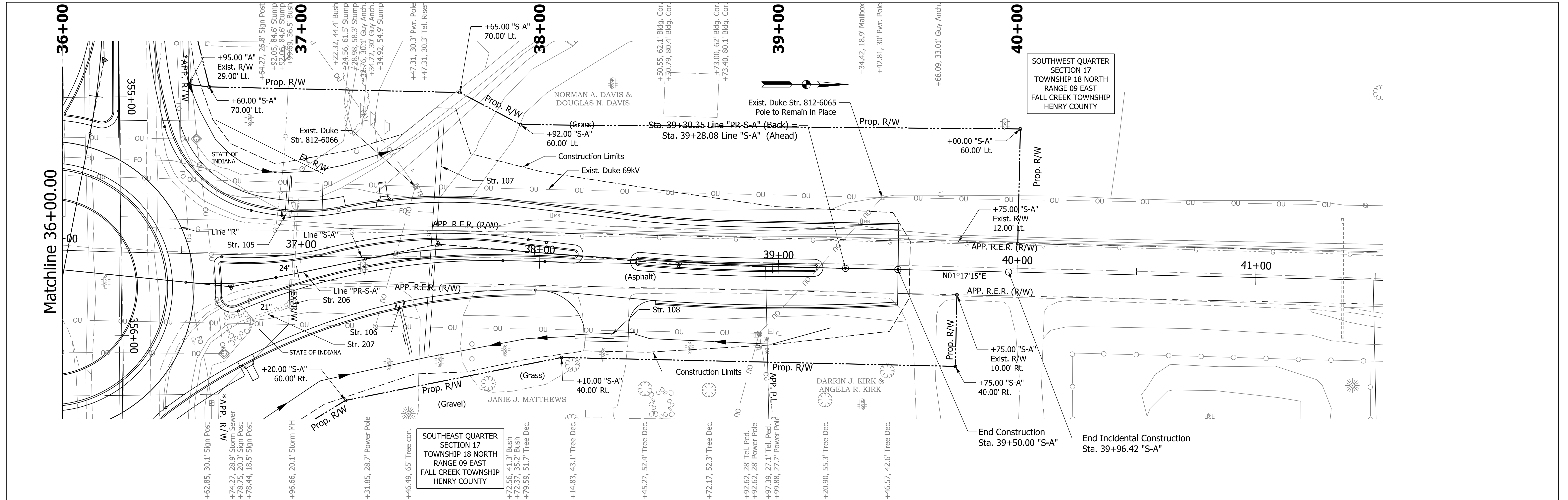


	STAGE 2 09/06/23	RECOMMENDED FOR APPROVAL DESIGN ENGINEER 09/06/23	DATE 09/06/23
	DESIGNED: BV 09/06/23	DRAWN: BV 09/06/23	CHECKED: RI 09/06/23

INDIANA DEPARTMENT OF TRANSPORTATION		PROFILE HORIZONTAL SCALE 1"=20'	BRIDGE FILE
PLAN AND PROFILE LINE "S-A"		PROFILE VERTICAL SCALE 1"=5'	DESIGNATION 2000152
		PLAN SCALE 1"=20'	SHEETS 12 of 38
		CONTRACT R-43507	PROJECT 2000152

PLOT: 1/7/2024

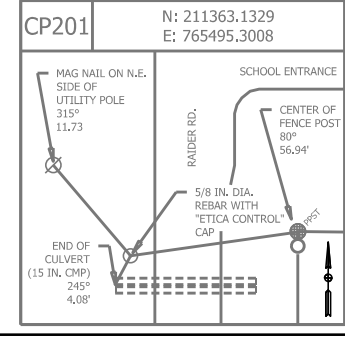
File: Model:Default



INDIANA DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE LINE "S-A"	PROFILE HORIZONTAL SCALE	BRIDGE FILE
	1"=20'	
	PROFILE VERTICAL SCALE	DESIGNATION
	1"=5'	2000152
PLAN SCALE	SHEETS	
1"=20'	13 of 38	
CONTRACT	PROJECT	
R-43507	2000152	

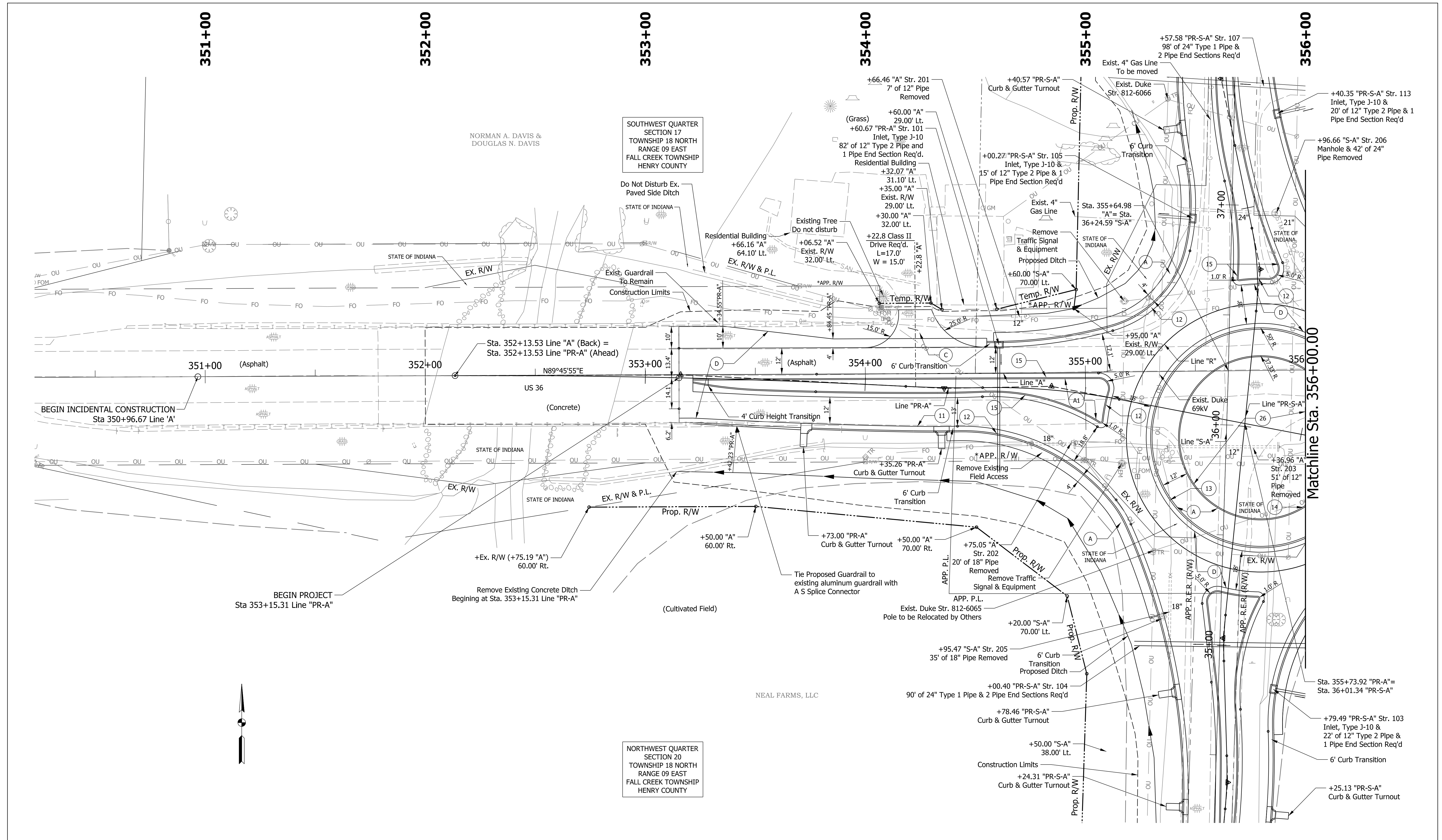
Plot: 1/2/2024

File: Model:Default



STAGE 2
09/06/23

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
		09/06/23
DESIGNED: BV	09/06/23	DRAWN: BV
		09/06/23
CHECKED: RI	09/06/23	CHECKED: RI
		09/06/23



LEGEND

(A)	8 in. PCCP (Colored), on 13 in. Compacted Aggregate No. 53 Subgrade Treatment, Type IBC
(A1)	8 in. PCCP (Colored), on 14 in. Compacted Aggregate No. 53, on Subgrade Treatment, Type IBC

(C)	PCCP for Approaches, 6 in. on Subgrade Treatment, Type II
(D)	220 lb/syd QC/QA HMA, 3, 76, Surface, 9.5 mm, on 275 lb/syd QC/QA HMA, 3, 76, Intermediate, 19.0 mm, on 385 lb/syd QC/QA HMA, 3, 64, Base, 25.0 mm, on 440 lb/syd QC/QA HMA, 3, 64, Base, 25.0 mm, on 6 in. Compacted Aggregate No. 53, on Subgrade Treatment, Type IBC

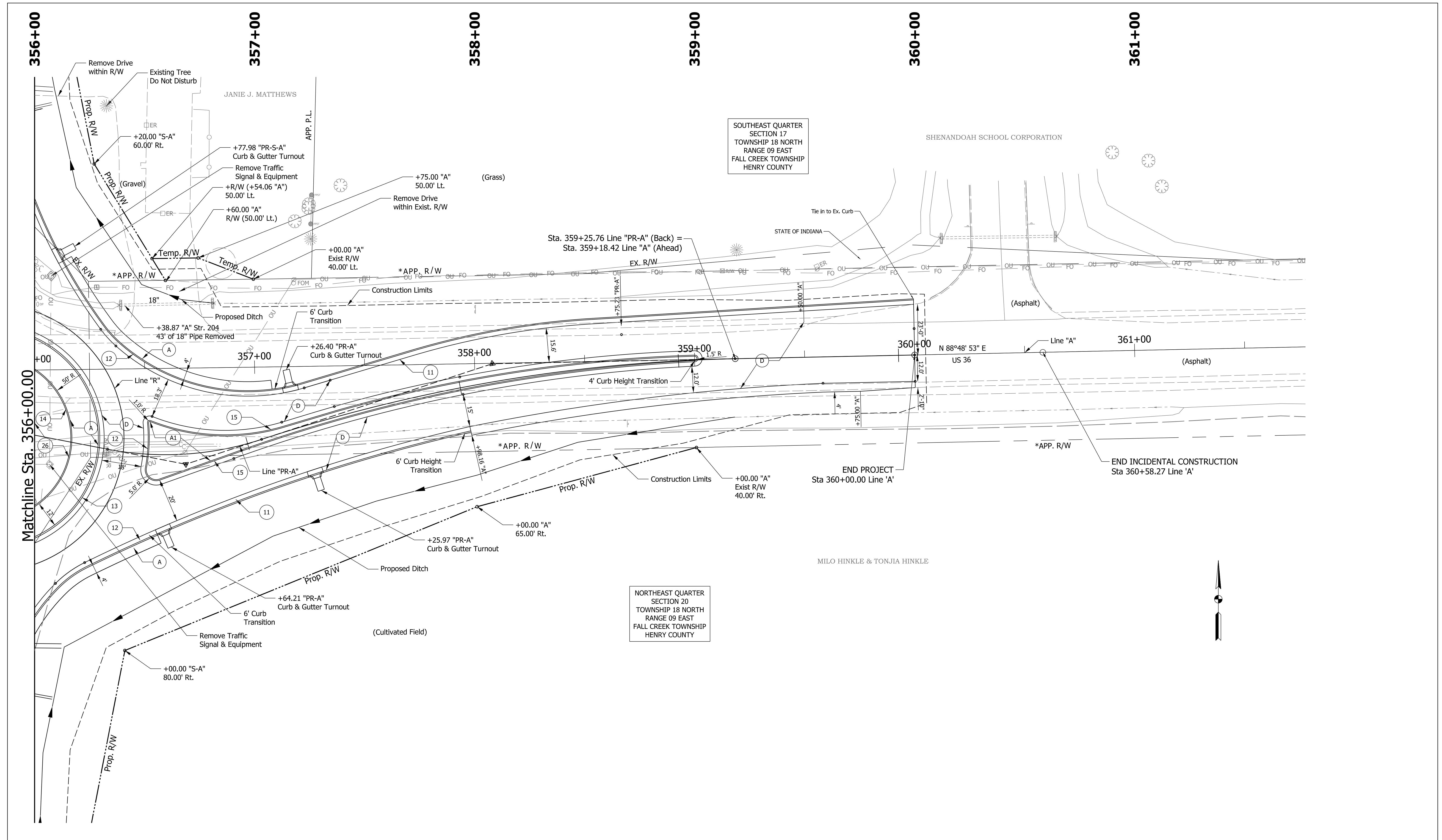
(E)	6 in. Aggregate
(11)	Curb and Gutter, Concrete
(12)	Curb and Gutter, B, Concrete
(13)	Curb and Gutter, B, Concrete, Modified (Inverted) (2")
(14)	Curb, Integral, Concrete
(15)	Curb and Gutter, B, Concrete, Modified (Inverted) Sodding on 4" of Topsoil
(26)	Mulched Seeding R

STAGE 2	RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	09/06/23	DATE
09/06/23	DESIGNED: BV	09/06/23	DRAWN: BV	09/06/23
	CHECKED: RI	09/06/23	CHECKED: RI	09/06/23

INDIANA DEPARTMENT OF TRANSPORTATION	
CONSTRUCTION DETAIL LINE "A"	

PLAN SCALE	BRIDGE FILE
1"=20'	
	DESIGNATION
	2000152
	SHEETS
	14 of 38
CONTRACT	PROJECT
R-43507	2000152

Plot: 1/2/2024
 File:
 Model:Default



SOUTHEAST QUARTER
SECTION 17
TOWNSHIP 18 NORTH
RANGE 09 EAST
FALL CREEK TOWNSHIP
HENRY COUNTY

NORTHEAST QUARTER
SECTION 20
TOWNSHIP 18 NORTH
RANGE 09 EAST
FALL CREEK TOWNSHIP
HENRY COUNTY

LEGEND

- | | | | |
|--|---|---|--|
| <p>(A) 8 in. PCCP (Colored), on 13 in. Compacted Aggregate No. 53 Subgrade Treatment, Type IBC</p> <p>(A1) 8 in. PCCP (Colored), on 14 in. Compacted Aggregate No. 53, on Subgrade Treatment, Type IBC</p> | <p>(C) PCCP for Approaches, 6 in. on Subgrade Treatment, Type II
220 lb/syd QC/QA HMA, 3, 76, Surface, 9.5 mm, on 275 lb/syd QC/QA HMA, 3, 76, Intermediate, 19.0 mm, on 385 lb/syd QC/QA HMA, 3, 64, Base, 25.0 mm, on 440 lb/syd QC/QA HMA, 3, 64, Base, 25.0 mm, on 6 in. Compacted Aggregate No. 53, on Subgrade Treatment, Type IBC</p> <p>(D) 6 in. Aggregate</p> | <p>(E) 6 in, Aggregate</p> <p>(11) Curb and Gutter, Concrete</p> <p>(12) Curb and Gutter, B, Concrete</p> <p>(13) Curb and Gutter, B, Concrete, Modified (Inverted) (2")</p> <p>(14) Curb, Integral, Concrete</p> | <p>(15) Curb and Gutter, B, Concrete, Modified (Inverted) Sodding on 4" of Topsoil</p> <p>(26) Mulched Seeding R</p> |
|--|---|---|--|

STAGE 2
09/06/23

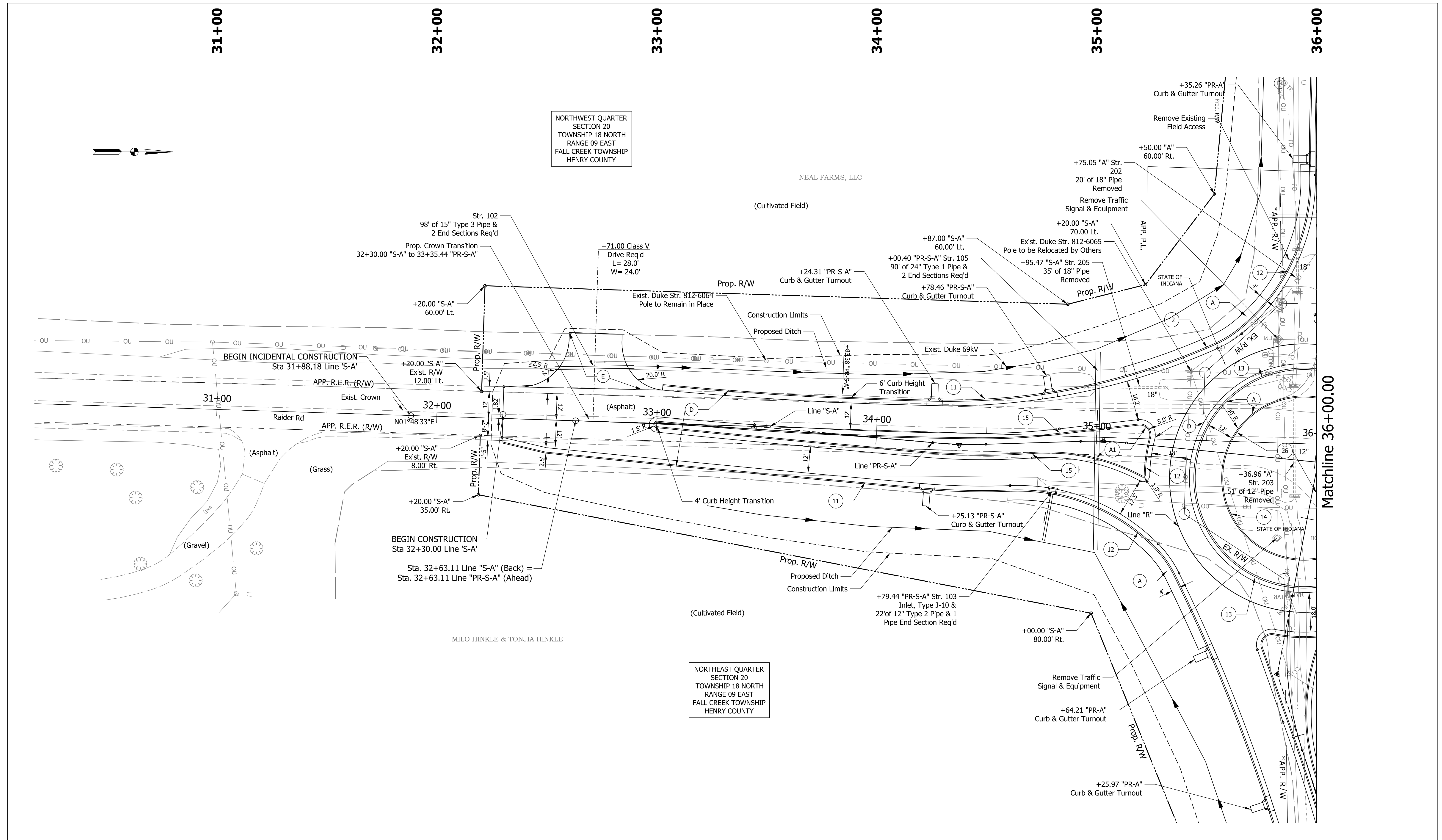
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: BV	09/06/23	DRAWN: BV
CHECKED: RI	09/06/23	CHECKED: RI

INDIANA
DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION DETAIL
LINE "A"**

PLAN SCALE	BRIDGE FILE
1"=20'	DESIGNATION
	2000152
	SHEETS
	15 of 38
CONTRACT	PROJECT
R-43507	2000152

PLOT: 1/2/2024
File:
Model:Default



NORTHWEST QUARTER
SECTION 20
TOWNSHIP 18 NORTH
RANGE 09 EAST
FALL CREEK TOWNSHIP
HENRY COUNTY

NEAL FARMS, LLC
(Cultivated Field)

MILO HINKLE & TONJIA HINKLE
(Cultivated Field)

NORTHEAST QUARTER
SECTION 20
TOWNSHIP 18 NORTH
RANGE 09 EAST
FALL CREEK TOWNSHIP
HENRY COUNTY

Matchline 36+00.00

LEGEND

- | | | | |
|--|---|---|--|
| <p>(A) 8 in. PCCP (Colored), on 13 in. Compacted Aggregate No. 53 Subgrade Treatment, Type IBC</p> <p>(A1) 8 in. PCCP (Colored), on 14 in. Compacted Aggregate No. 53, on Subgrade Treatment, Type IBC</p> | <p>(C) PCCP for Approaches, 6 in. on Subgrade Treatment, Type II
220 lb/syd QC/QA HMA, 3, 76, Surface, 9.5 mm, on 275 lb/syd QC/QA HMA, 3, 76, Intermediate, 19.0 mm, on 385 lb/syd QC/QA HMA, 3, 64, Base, 25.0 mm, on 440 lb/syd QC/QA HMA, 3, 64, Base, 25.0 mm, on 6 in. Compacted Aggregate No. 53, on Subgrade Treatment, Type IBC</p> <p>(D) 6 in. Aggregate</p> | <p>(E) 6 in. Aggregate</p> <p>(11) Curb and Gutter, Concrete</p> <p>(12) Curb and Gutter, B, Concrete</p> <p>(13) Curb and Gutter, B, Concrete, Modified (Inverted) (2")</p> <p>(14) Curb, Integral, Concrete</p> | <p>(15) Curb and Gutter, B, Concrete, Modified (Inverted) Sodding on 4" of Topsoil</p> <p>(26) Mulched Seeding R</p> |
|--|---|---|--|

STAGE 2
09/06/23

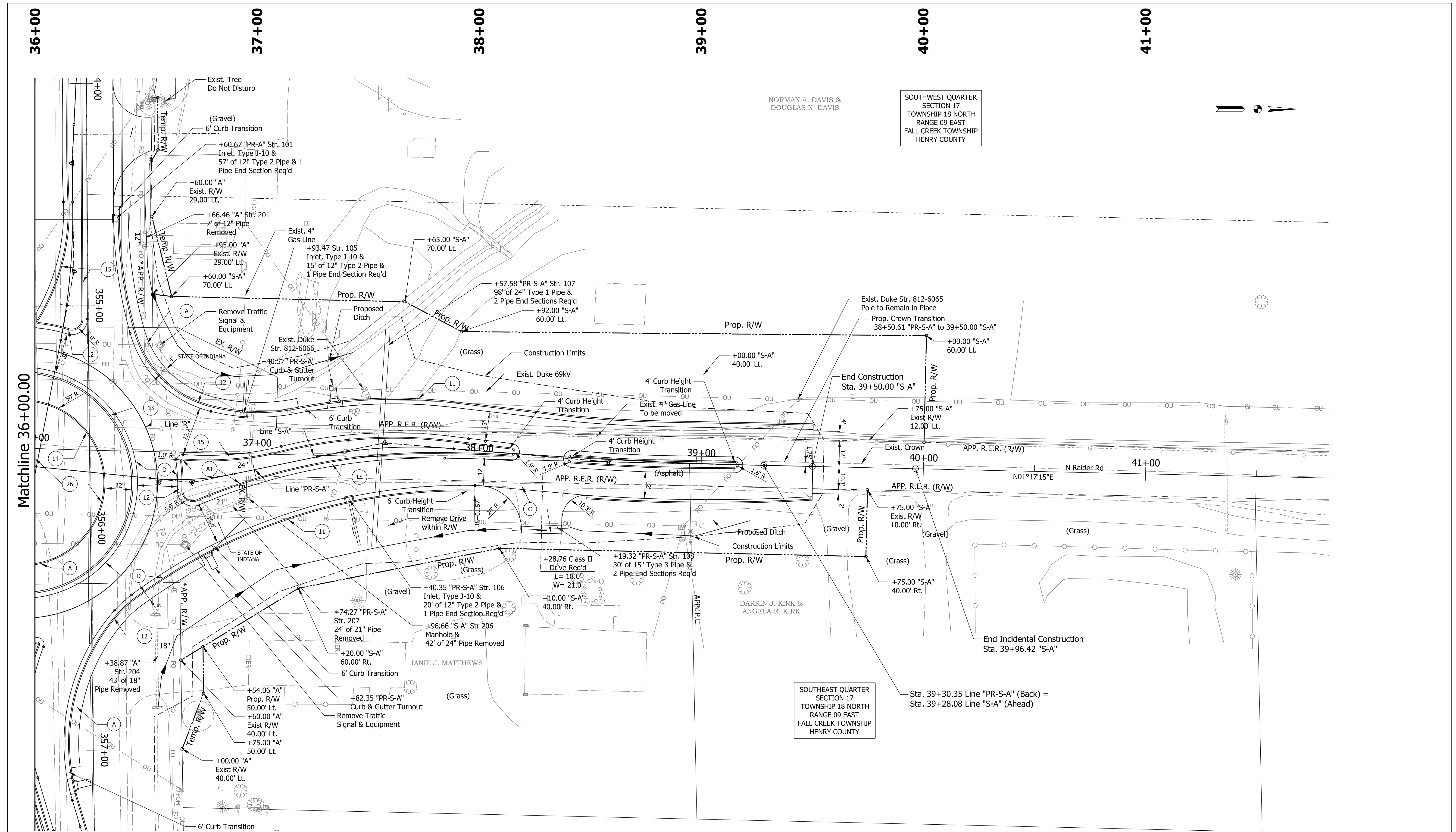
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: BV	09/06/23	DRAWN: BV
CHECKED: RI	09/06/23	CHECKED: RI

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAIL
LINE "S-A"

PLAN SCALE 1"=20'	BRIDGE FILE
	DESIGNATION 2000152
	SHEETS 16 of 38
CONTRACT R-43507	PROJECT 2000152

Plot: 1/2/2024
File:
Model:Default



LEGEND (A) 8 in. PCCP (Colored), on 13 in. Compacted Aggregate No. 53 Subgrade Treatment, Type IBC (A1) 8 in. PCCP (Colored), on 14 in. Compacted Aggregate No. 53, on Subgrade Treatment, Type IBC (C) PCCP for Approaches, 6 in. on Subgrade Treatment, Type II 220 lb/syd QC/QA HMA, 3, 76, Surface, 9.5 mm, on 275 lb/syd QC/QA HMA, 3, 76, Intermediate, 19.0 mm, on 385 lb/syd QC/QA HMA, 3, 64, Base, 25.0 mm, on 440 lb/syd QC/QA HMA, 3, 64, Base, 25.0 mm, on 6 in. Compacted Aggregate No. 53, on Subgrade Treatment, Type IBC (D) (E) 6 in, Aggregate (11) Curb and Gutter, Concrete (12) Curb and Gutter, B, Concrete (13) Curb and Gutter, B, Concrete, Modified (Inverted) (2") (14) Curb, Integral, Concrete (15) Curb and Gutter, B, Concrete, Modified (Inverted) Sodding on 4" of Topsoil (26) (27) Mulched Seeding R	STAGE 2 09/06/23	RECOMMENDED FOR APPROVAL _____ 09/06/23 DESIGN ENGINEER DATE DESIGNED: BV 09/06/23 DRAWN: BV 09/06/23 CHECKED: RI 09/06/23 CHECKED: RI 09/06/23	INDIANA DEPARTMENT OF TRANSPORTATION CONSTRUCTION DETAIL LINE "S-A"	PLAN SCALE 1"=20' BRIDGE FILE DESIGNATION 2000152 SHEETS 17 of 38 CONTRACT PROJECT R-43507 2000152
	SOUTHWEST QUARTER SECTION 17 TOWNSHIP 18 NORTH RANGE 09 EAST FALL CREEK TOWNSHIP HENRY COUNTY NORMAN A. DAVIS & DOUGLAS N. DAVIS DARRIN J. KIRK & ANGELA R. KIRK SOUTHEAST QUARTER SECTION 17 TOWNSHIP 18 NORTH RANGE 09 EAST FALL CREEK TOWNSHIP HENRY COUNTY			

PR-A CURVE DATA

Table with 5 columns of curve data including PI, No, Ea, Δ, D, R, Lc, T for stations 353+16.03 through 358+17.01.

PR-S-A CURVE DATA

Table with 5 columns of curve data including PI, No, Ea, Δ, D, R, Lc, T for stations 33+44.42 through 37+60.02.

PR-NWC CURVE DATA

Table with 5 columns of curve data including PI, No, Ea, Δ, D, R, Lc, T for stations 41+71.06 through 44+41.33.

PR-NEC CURVE DATA

Table with 5 columns of curve data including PI, No, Ea, Δ, D, R, Lc, T for stations 12+00.61 through 14+67.27.

PR-S-A-ISLAND 1

Table with 5 columns of curve data including PI, No, Ea, Δ, D, R, Lc, T for stations 120+72.21 through 121+63.79.

PR-S-A-ISLAND 2

Table with 5 columns of curve data including PI, No, Ea, Δ, D, R, Lc, T for stations 130+60.50 through 131+46.23.

PR-S-A-ISLAND 3

Table with 5 columns of curve data including PI, No, Ea, Δ, D, R, Lc, T for stations 170+22.42 through 170+83.02.

PR-A-ISLAND 2

Table with 5 columns of curve data including PI, No, Ea, Δ, D, R, Lc, T for stations 110+70.33 through 111+59.92.

PR-A-ISLAND 4

Table with 5 columns of curve data including PI, No, Ea, Δ, D, R, Lc, T for stations 141+43.00 through 160+57.04.

PR-S-A-ISLAND 4

Table with 5 columns of curve data including PI, No, Ea, Δ, D, R, Lc, T for stations 161+27.62 through 161+27.62.

PR-R CURVE DATA

Table with 5 columns of curve data including PI, No, Ea, Δ, D, R, Lc, T for stations 0+61.00 through 2+52.64.

PR-S-A-ISLAND 6

Table with 5 columns of curve data including PI, No, Ea, Δ, D, R, Lc, T for stations 190+36.85 through 190+36.85.

PR-SWC CURVE DATA

Table with 5 columns of curve data including PI, No, Ea, Δ, D, R, Lc, T for stations 30+30.62 through 32+15.66.

PR-S-A-ISLAND 5

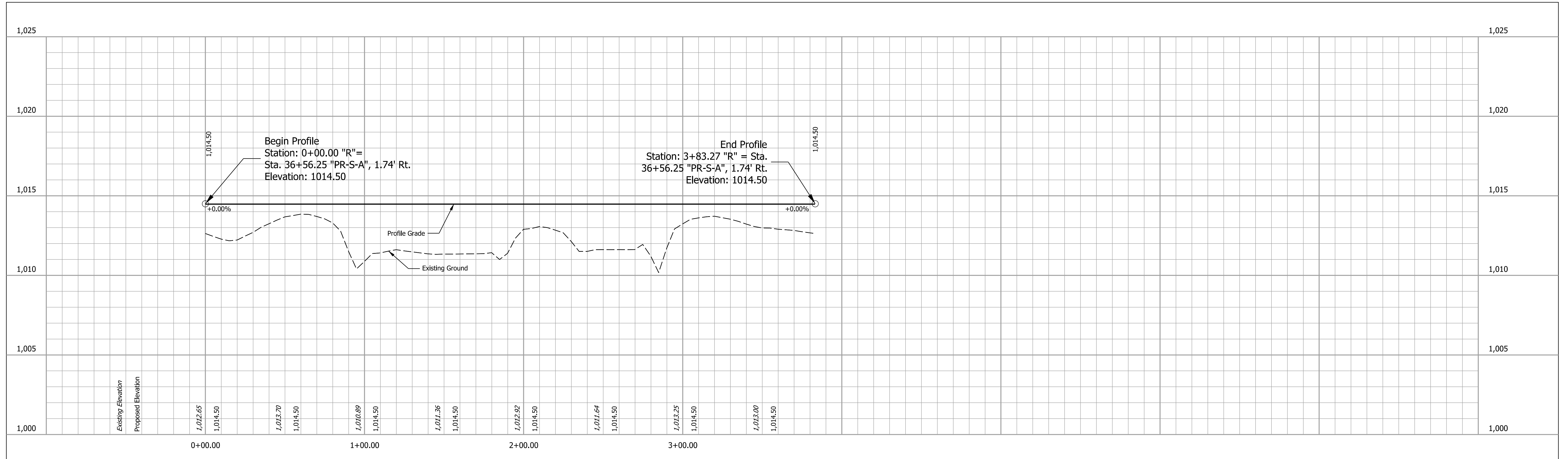
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PR-SEC CURVE DATA

Table with 5 columns of curve data including PI, No, Ea, Δ, D, R, Lc, T for stations 22+18.71 through 24+45.74.

Project information block including STAGE 2, 09/06/23, INDIANA DEPARTMENT OF TRANSPORTATION, US 36 AND RAIDER RD GEOMETRIC LAYOUT PLAN, SCALE 1"=50', BRIDGE FILE, DESIGNATION 2000152, SHEETS 18 of 38, CONTRACT R-43507, PROJECT 2000152.

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File:
Model: Default



Plot: 1/2/2024

File:
Model:Default

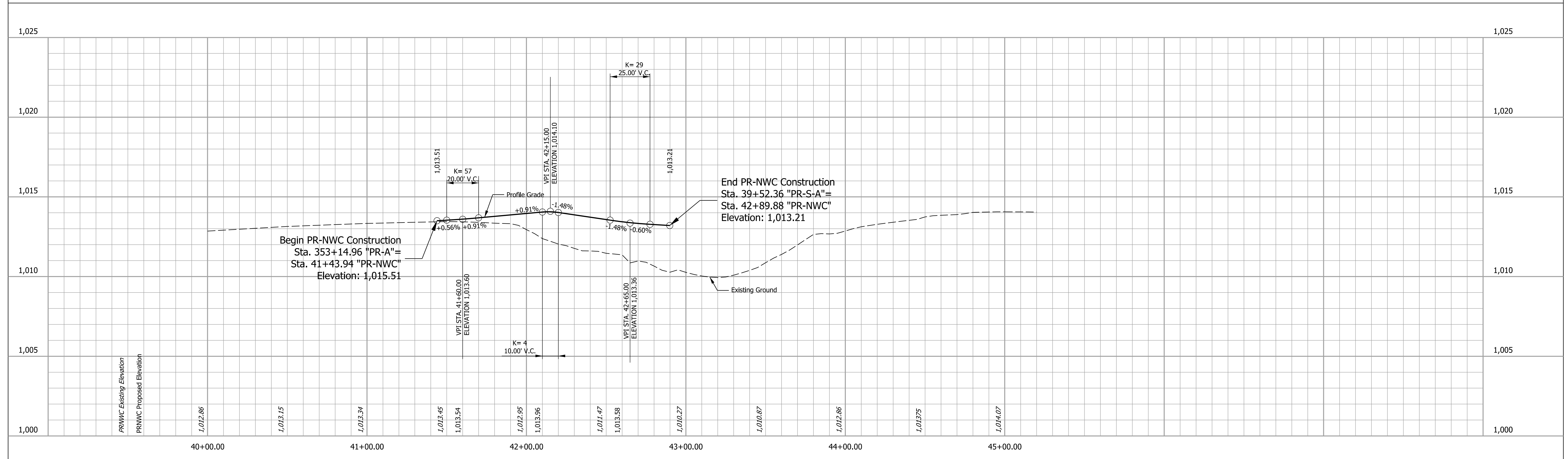
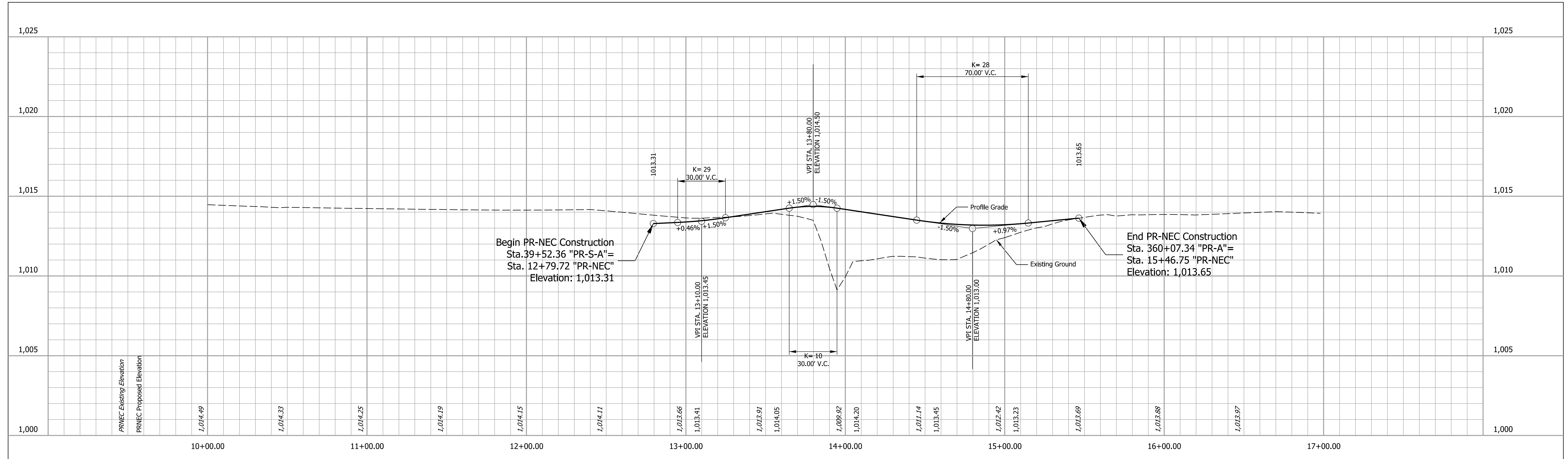
STAGE 2
09/06/23

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	09/06/23	DATE
DESIGNED: BV	09/06/23	DRAWN: BV	09/06/23
CHECKED: RI	09/06/23	CHECKED: RI	09/06/23

INDIANA
DEPARTMENT OF TRANSPORTATION

US 36 AND RAIDER RD
ROUNDAABOUT PROFILE LINE "R"

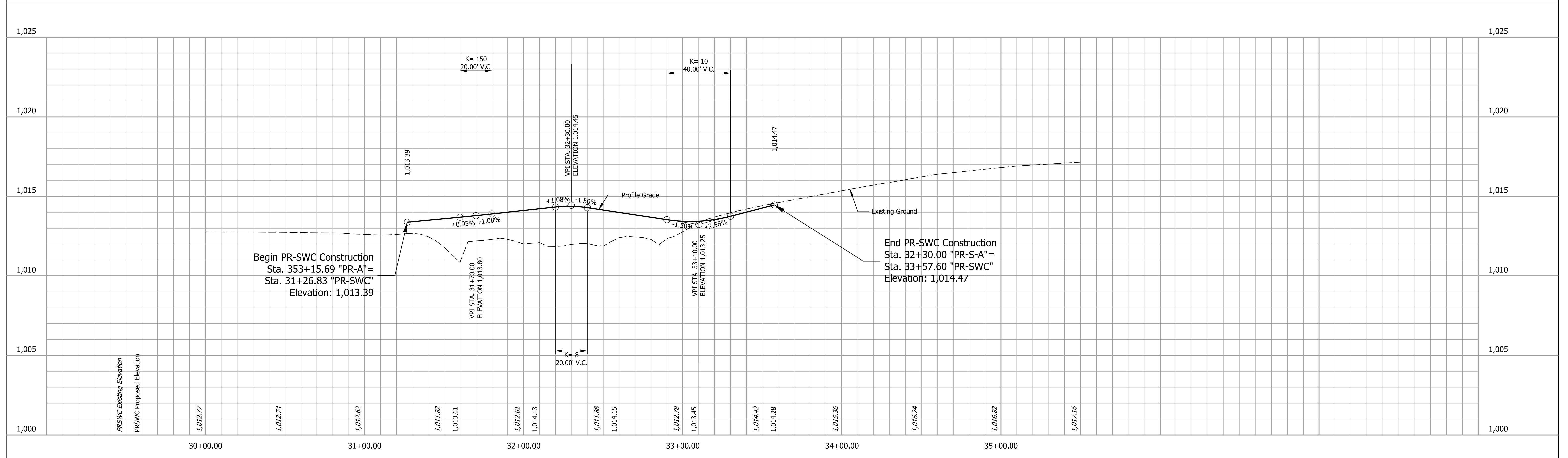
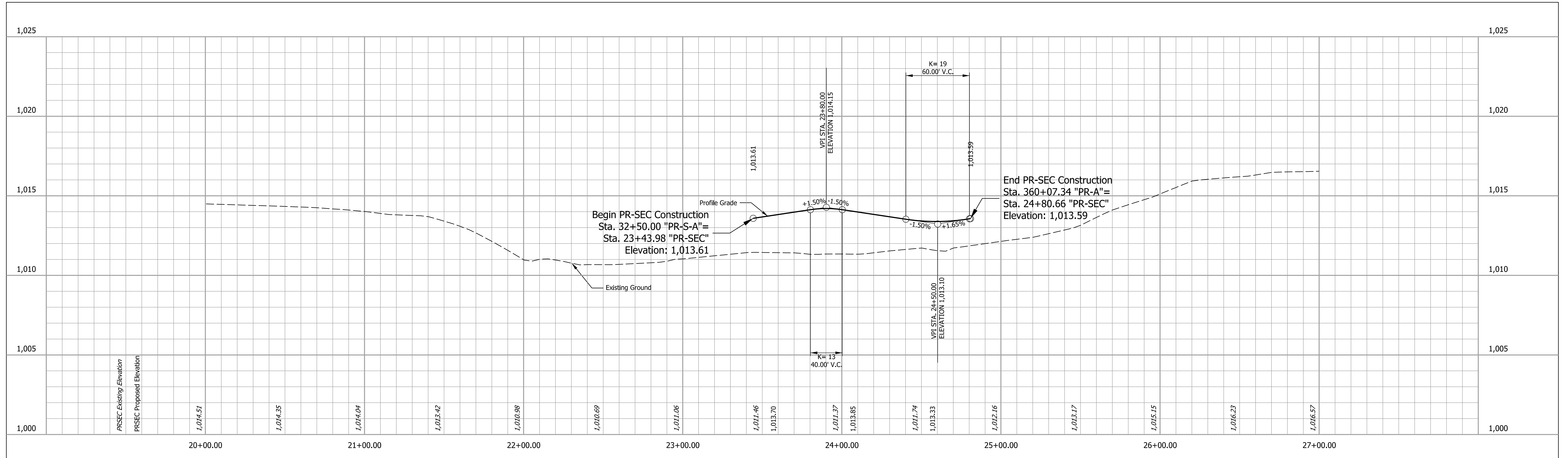
PROFILE HORIZONTAL SCALE	BRIDGE FILE
1"=50'	
PROFILE VERTICAL SCALE	DESIGNATION
1"=5'	2000152
	SHEETS
	19 of 38
CONTRACT	PROJECT
R-43507	2000152



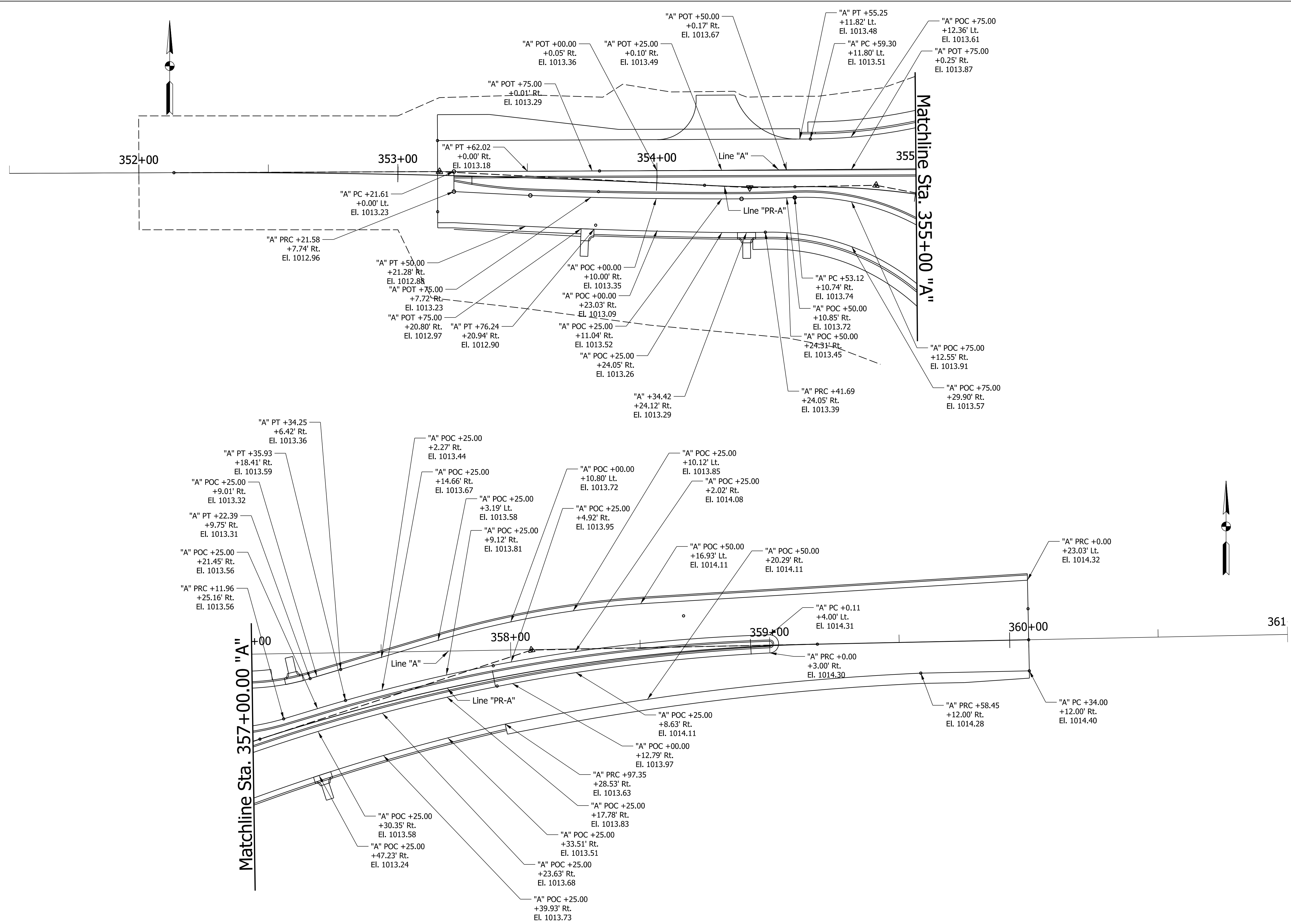
STAGE 2 09/06/23	RECOMMENDED FOR APPROVAL _____ 09/06/23 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION LINE "PR-NWC"/LINE "PR-NEC" NORTH CURB PROFILES	PROFILE HORIZONTAL SCALE 1"=50'	BRIDGE FILE
	DESIGNED: BV 09/06/23 DRAWN: BV 09/06/23		PROFILE VERTICAL SCALE 1"=5'	DESIGNATION 2000152
	CHECKED: RI 09/06/23 CHECKED: RI 09/06/23		SHEETS 20 of 38	
			CONTRACT R-43507	PROJECT 2000152

Plot: 1/2/2024

File: Model:Default



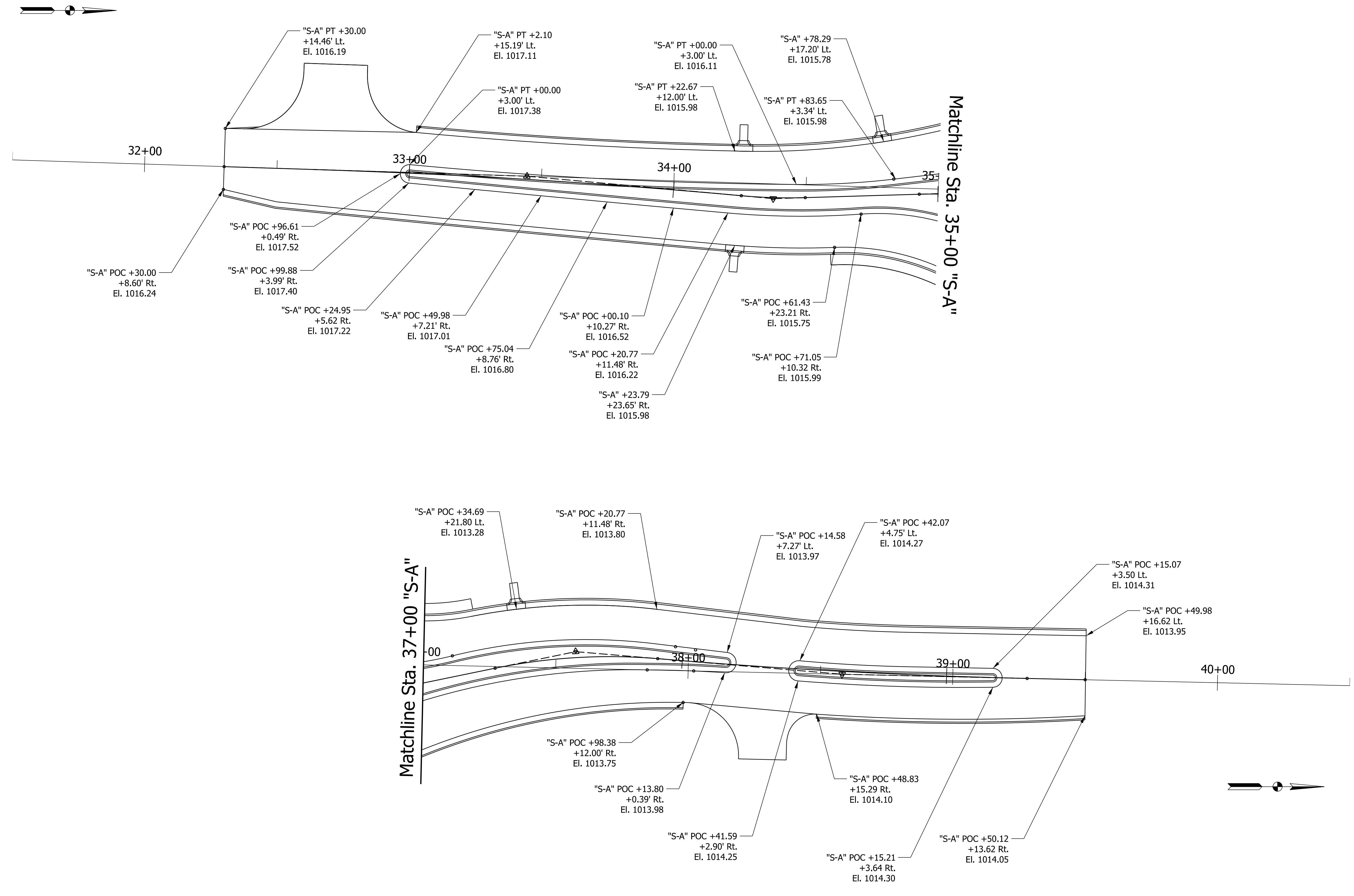
PLOT: 1/2/2024 File: Model: Default	STAGE 2 09/06/23	RECOMMENDED FOR APPROVAL _____ 09/06/23 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION US 36 SOUTH CORNER PROFILES	PROFILE HORIZONTAL SCALE 1"=50'	BRIDGE FILE
		DESIGNED: BV 09/06/23 DRAWN: BV 09/06/23		PROFILE VERTICAL SCALE 1"=5'	DESIGNATION 2000152
		CHECKED: RI 09/06/23 CHECKED: RI 09/06/23		SHEETS 21 of 38	
		CONTRACT R-43507		PROJECT 2000152	



Plot: 1/2/2024

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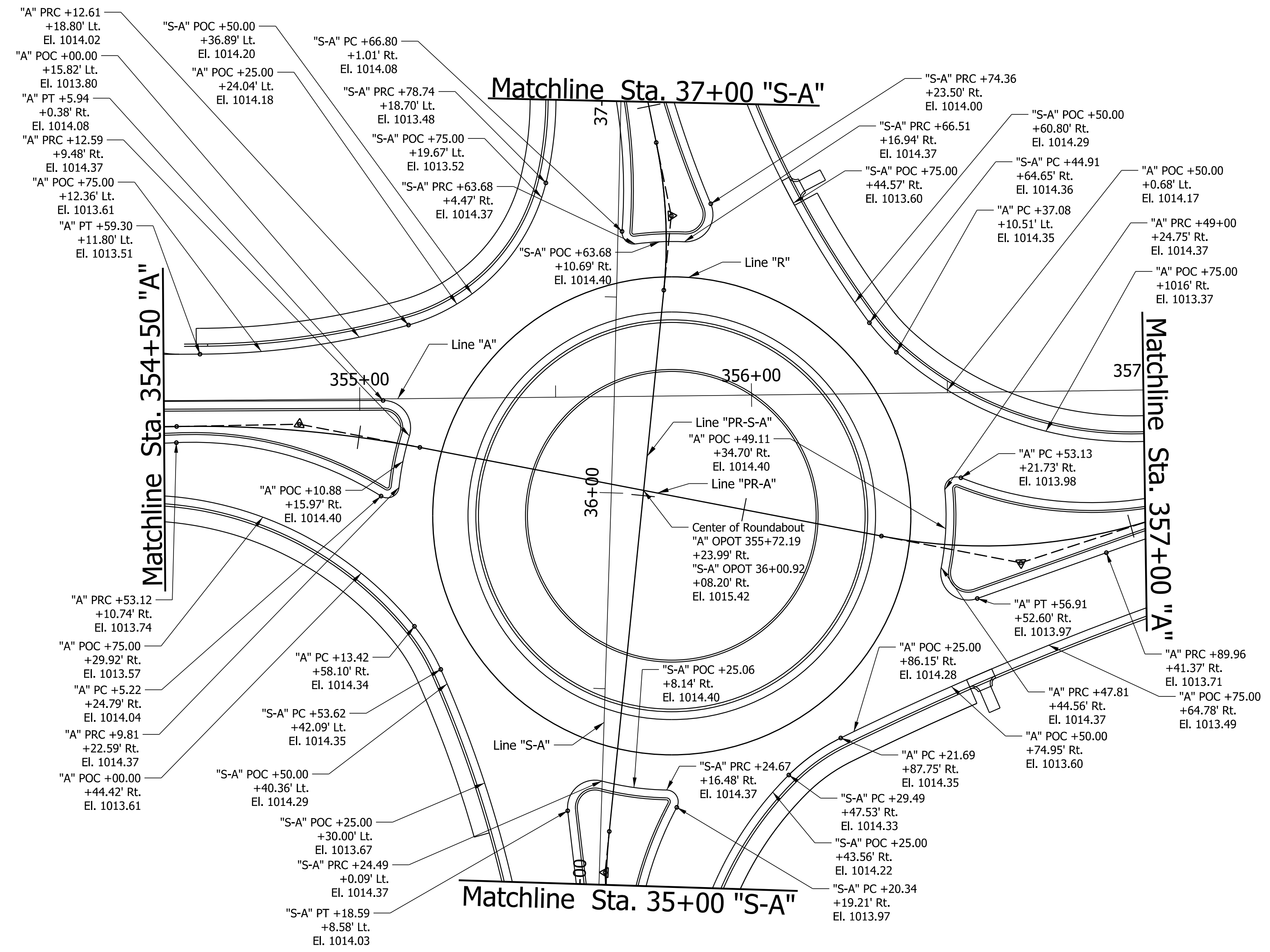
STAGE 2 09/06/23	RECOMMENDED FOR APPROVAL _____ 09/06/23 <small>DESIGN ENGINEER DATE</small>	INDIANA DEPARTMENT OF TRANSPORTATION SPOT ELEVATION PLAN LINE "A"	SCALE 1"=20'	BRIDGE FILE 2000152
	DESIGNED: BV 09/06/23 CHECKED: RI 09/06/23		DRAWN: BV 09/06/23 CHECKED: RI 09/06/23	SHEETS 22 of 38



Plot: 1/2/2024

File:
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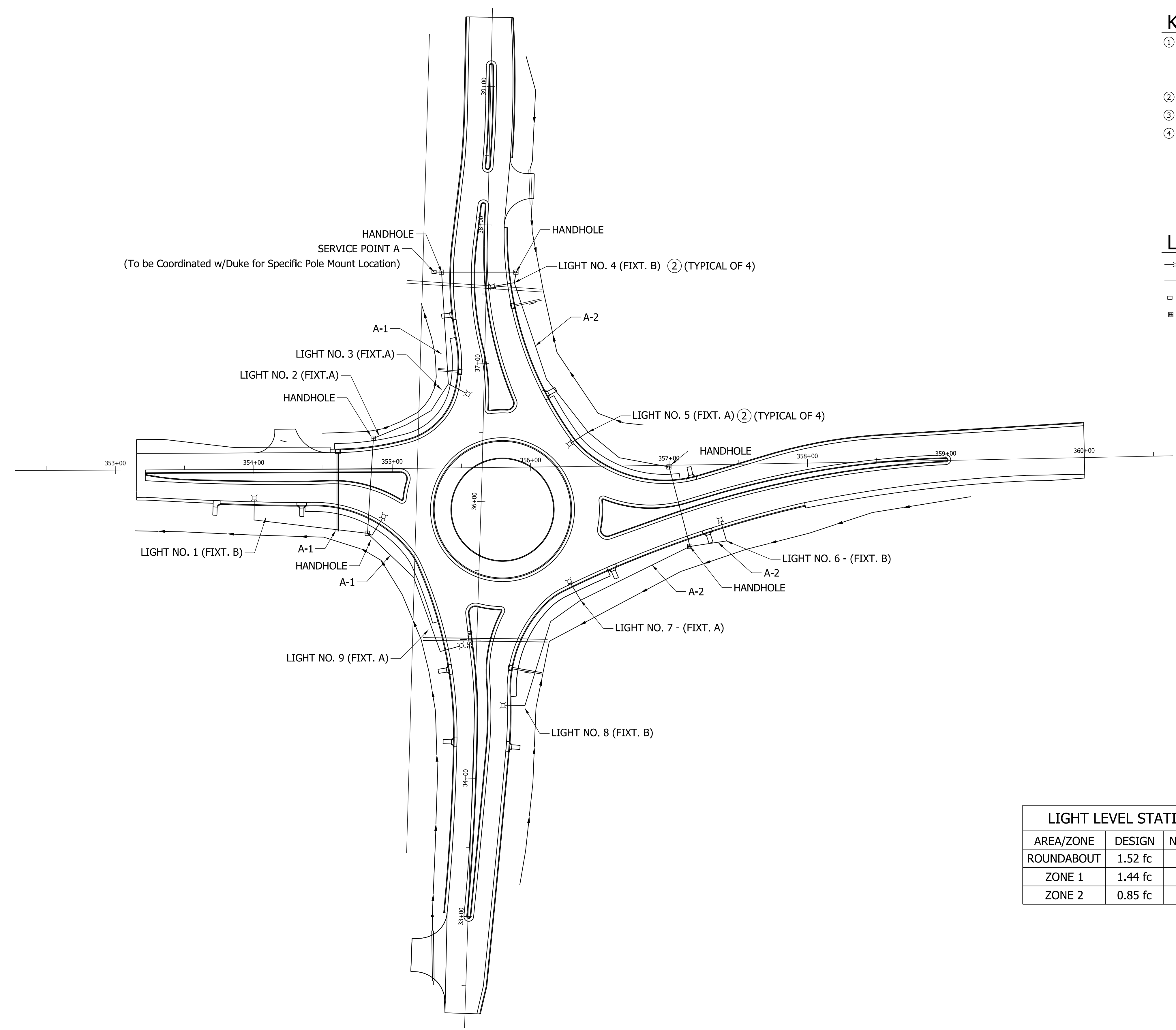
STAGE 2 09/06/23	RECOMMENDED FOR APPROVAL _____ 09/06/23 <small>DESIGN ENGINEER DATE</small>	INDIANA DEPARTMENT OF TRANSPORTATION SPOT ELEVATION PLAN LINE "S-A"	SCALE 1"=20'	BRIDGE FILE
	DESIGNED: BV 09/06/23 DRAWN: BV 09/06/23 <small>CHECKED: RI 09/06/23 CHECKED: RI 09/06/23</small>		DESIGNATION 2000152	SHEETS 23 of 38
	CONTRACT R-43507		PROJECT 2000152	



PLOT: 1/2/2024

File: Model:Default

STAGE 2 09/06/23	RECOMMENDED FOR APPROVAL _____ 09/06/23 <small>DESIGN ENGINEER DATE</small>	INDIANA DEPARTMENT OF TRANSPORTATION US 36 AND RAIDER RD SPOT ELEVATION PLAN	SCALE 1"=20'	BRIDGE FILE
	DESIGNED: BV 09/06/23 DRAWN: BV 09/06/23		DESIGNATION 2000152	SHEETS 24 of 38
	CHECKED: RI 09/06/23 CHECKED: RI 09/06/23		CONTRACT R-43507	PROJECT 2000152



- ### KEYNOTES
- ① Electric Service Point Type I, 120/240V. Mount to Existing Pole Per Utilities Request. Refer to INDOT Light Service Point Standard Drawings E807-LTSP.
 - ② Roadway Light Fixture.
 - ③ Cable Duct Wire #4 Cu in Plastic Duct 4-1/C
 - ④ Provide 3" Galvanized Rigid Conduit Sleeve Under Road for Cable Duct.

- ### LEGEND
- x LED Luminaire and Pole
 - Conduit and Cabling
 - Service Point Type I
 - Handhole

LIGHT LEVEL STATISTICS		
AREA/ZONE	DESIGN	NCHRP 1043
ROUNDAABOUT	1.52 fc	1.50 fc
ZONE 1	1.44 fc	1.00 fc
ZONE 2	0.85 fc	0.60 fc

Plot: 1/2/2024

File: Model:Default

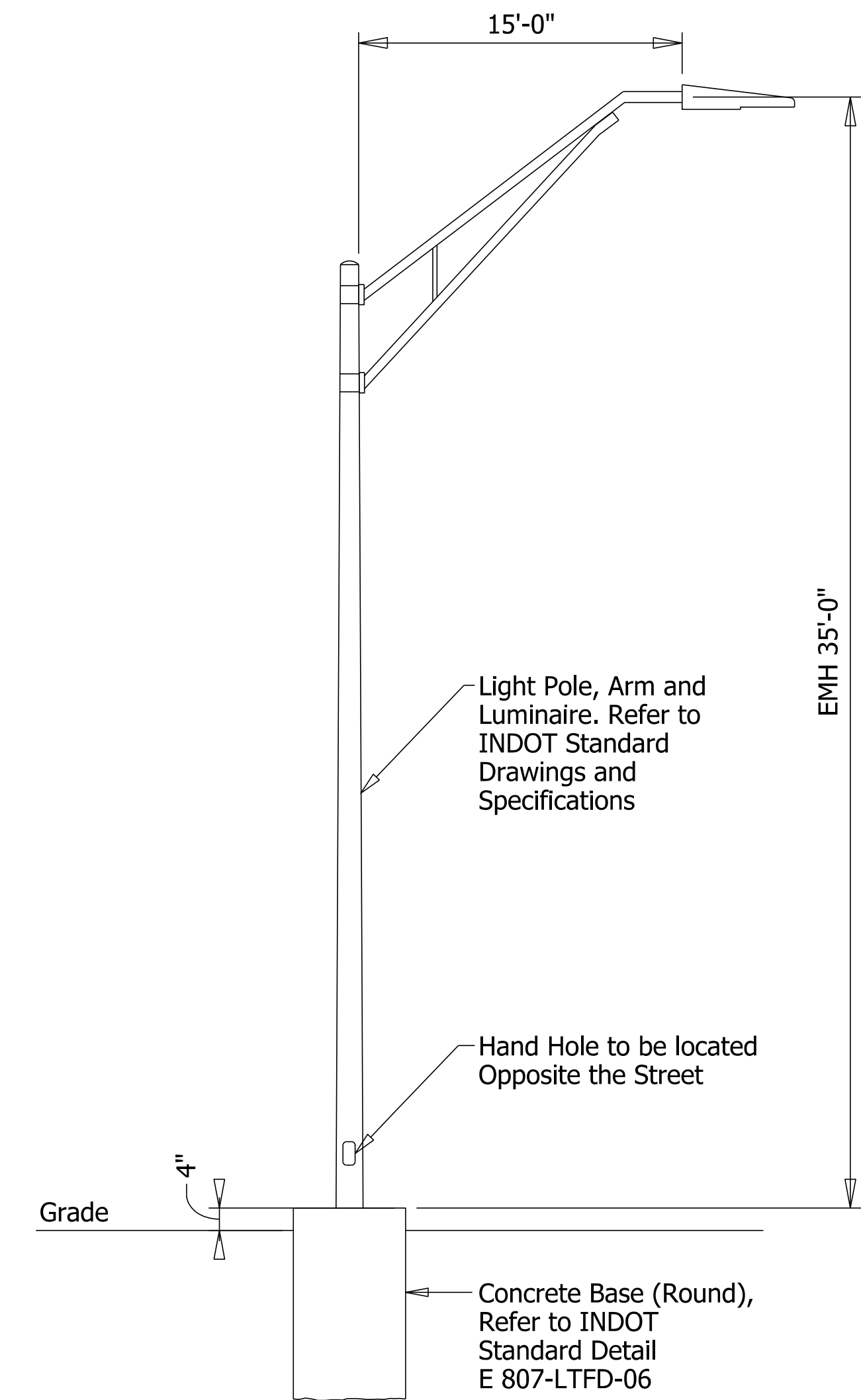
STAGE 2 09/06/23	RECOMMENDED FOR APPROVAL _____ 09/06/23 <small>DESIGN ENGINEER DATE</small>	INDIANA DEPARTMENT OF TRANSPORTATION US 36 AND RAIDER RD LIGHTING PLAN	SCALE 1"=40'	BRIDGE FILE
	DESIGNED: BV 09/06/23 DRAWN: BV 09/06/23 <small>CHECKED: RI 09/06/23 CHECKED: RI 09/06/23</small>		DESIGNATION 2000152	SHEETS 25 of 38
	CONTRACT R-43507		PROJECT 2000152	

LUMINAIRE AND POLE INFORMATION SCHEDULE								
LUMINAIRE NO.	1	2	3	4	5	6	7	8
CIRCUIT NO.	A-1	A-1	A-2	A-2	A-2	A-2	A-2	A-1
CIRCUIT CONNECTION (R-RED, B-BLACK)	B	R	B	R	B	R	B	R
STATION	354+09 14' RT	355+11 32' LT	37+58 20' RT	356+42 25' LT	357+37 16' RT	35+29 74' RT	34+51 16' RT	35+51 54' LT

LIGHTING FIXTURE SCHEDULE						
SERVICE POINT	SERVICE TYPE	VOLTAGE	MAIN BREAKER	BRANCH CIRCUIT COLOR	BRANCH CIRCUIT DESIGN LOAD	BRANCH CIRCUIT BREAKER
A	--	120/240V	--	BLACK RED	-- --	-- --

LIGHTING FIXTURE SCHEDULE								
TYPE	SYMBOL	DESCRIPTION	MANUFACTURER	CATALOG NO.	LAMP	VOLTAGE	MOUNTING	REMARKS
A	⌘	INDOT STANDARD LED	AMERICAN ELECTRIC LIGHTING	ATB0-P302-MVOLT-R3-4K	LED	120	ARM	--
A		INDOT STANDARD 15' ARM E-807-LTST	--	--	--	--	--	--
A		INDOT STANDARD 30' POLE E-807-LTST	--	--	--	--	--	--
A		FRANGIBLE BASE	AKRON	--	--	--	--	COORDINATE WITH BOLT CIRCLE OF POLE
B	⌘	INDOT STANDARD LED	AMERICAN ELECTRIC LIGHTING	ATB0-P203-MVOLT-R3-4K	LED	120	ARM	--
B		INDOT STANDARD 15' ARM E-807-LTST	--	--	--	--	--	--
B		INDOT STANDARD 30' POLE E-807-LTST	--	--	--	--	--	--
B		FRANGIBLE BASE	AKRON	--	--	--	--	COORDINATE WITH BOLT CIRCLE OF POLE

LUMINAIRE DESIGN DATA TABLE	
LUMINAIRE STYLE	INDOT STANDARD
LAMP TYPE	70W-83W. LED, 1300 mA
DESIGN SAMPLE PHOTOMETRIC CURVE	ATBO SERIES 70W-83W LED 1300mA TYPE 3 4000K CCT
EFFECTIVE MOUNTING HEIGHT (EMH)	35
LUMINAIRE CLASSIFICATION (IES)	ATBO SERIES 70W-83W LED 1300mA TYPE 3 4000K CCT
VOLTAGE	120/240V
LUMINAIRE LOAD OPERATING AMPS (VARIES DEPENDING ON MANUFACTURER)	1.1A
INITIAL LAMP LUMENS (LL)	4000K
DESIGN SOFTWARE	AGI32
AVERAGE MAINTAINED ILLUMINATION (Eh)	1.10 fc

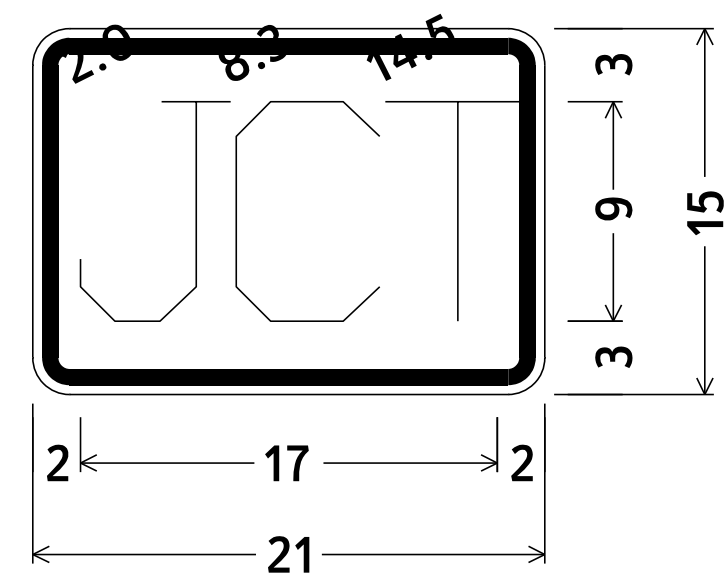
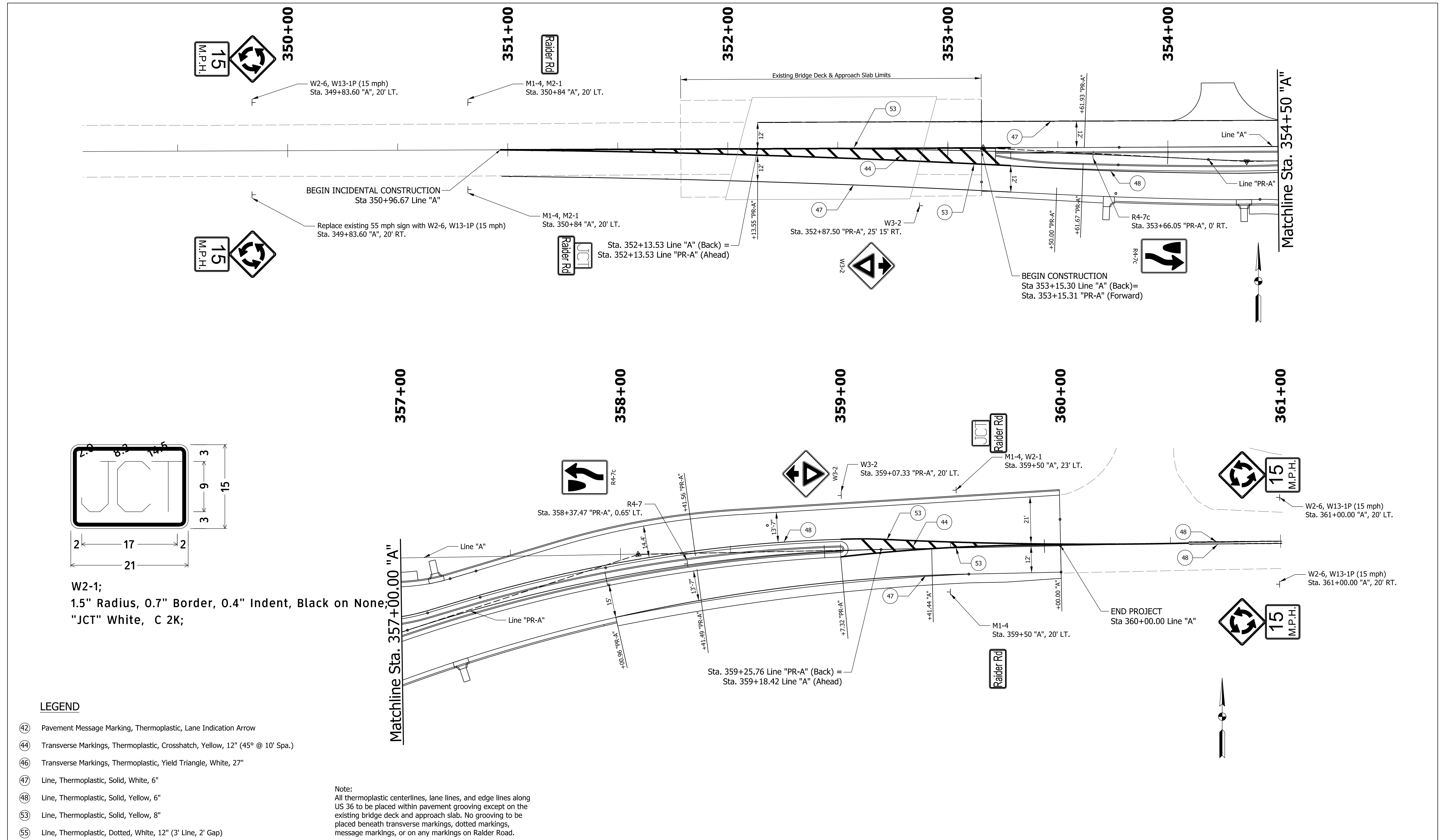


LIGHT POLE DETAIL
SCALE: Not to Scale

Plot: 1/2/2024

File:
Model:Default

STAGE 2 09/06/23	RECOMMENDED FOR APPROVAL _____ 09/06/23 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE NTS	
	DESIGNED: NSK 09/06/23 DRAWN: NSK 09/06/23		DESIGNATION 2000152	
	CHECKED: JH 09/06/23 CHECKED: JH 09/06/23		SHEETS 26 of 38	
		LIGHTING DETAILS AND SCHEDULES	CONTRACT R-43507	PROJECT 2000152



W2-1;
 1.5" Radius, 0.7" Border, 0.4" Indent, Black on None;
 "JCT" White, C 2K;

LEGEND

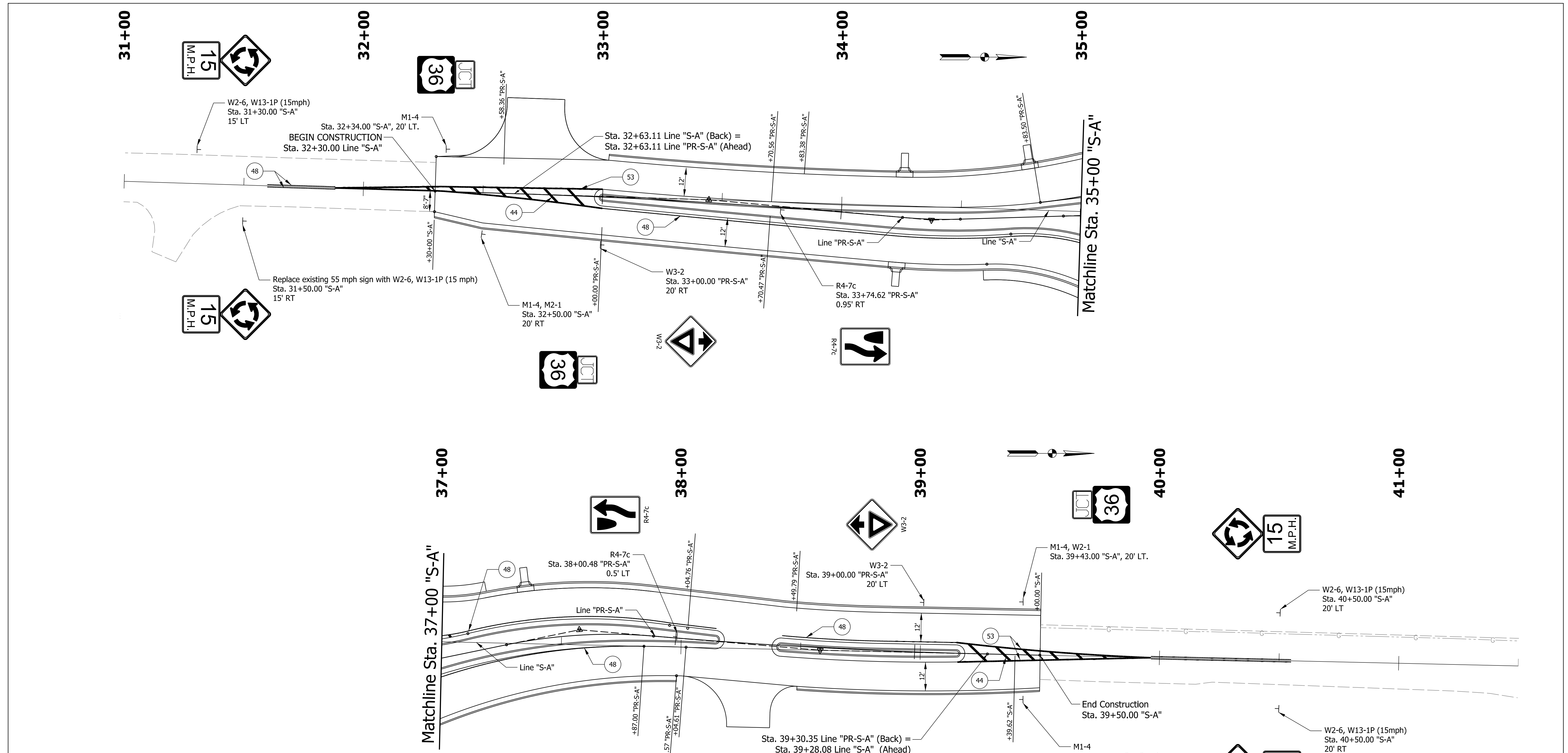
- (42) Pavement Message Marking, Thermoplastic, Lane Indication Arrow
- (44) Transverse Markings, Thermoplastic, Crosshatch, Yellow, 12" (45° @ 10' Spa.)
- (46) Transverse Markings, Thermoplastic, Yield Triangle, White, 27"
- (47) Line, Thermoplastic, Solid, White, 6"
- (48) Line, Thermoplastic, Solid, Yellow, 6"
- (53) Line, Thermoplastic, Solid, Yellow, 8"
- (55) Line, Thermoplastic, Dotted, White, 12" (3' Line, 2' Gap)

Note:
 All thermoplastic centerlines, lane lines, and edge lines along US 36 to be placed within pavement grooving except on the existing bridge deck and approach slab. No grooving to be placed beneath transverse markings, dotted markings, message markings, or on any markings on Raider Road.

Plot: 1/2/2024

File:
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STAGE 2 09/06/23	RECOMMENDED FOR APPROVAL _____ 09/06/23 <small>DESIGN ENGINEER DATE</small>	INDIANA DEPARTMENT OF TRANSPORTATION PAVEMENT MARKING AND SIGNING PLAN LINE "A"/"PR-A"	SCALE 1"=20'	BRIDGE FILE
	DESIGNED: BV 09/06/23 DRAWN: BV 09/06/23 <small>CHECKED: RI 09/06/23 CHECKED: RI 09/06/23</small>		DESIGNATION 2000152	SHEETS 27 of 38
	CONTRACT R-43507		PROJECT 2000152	

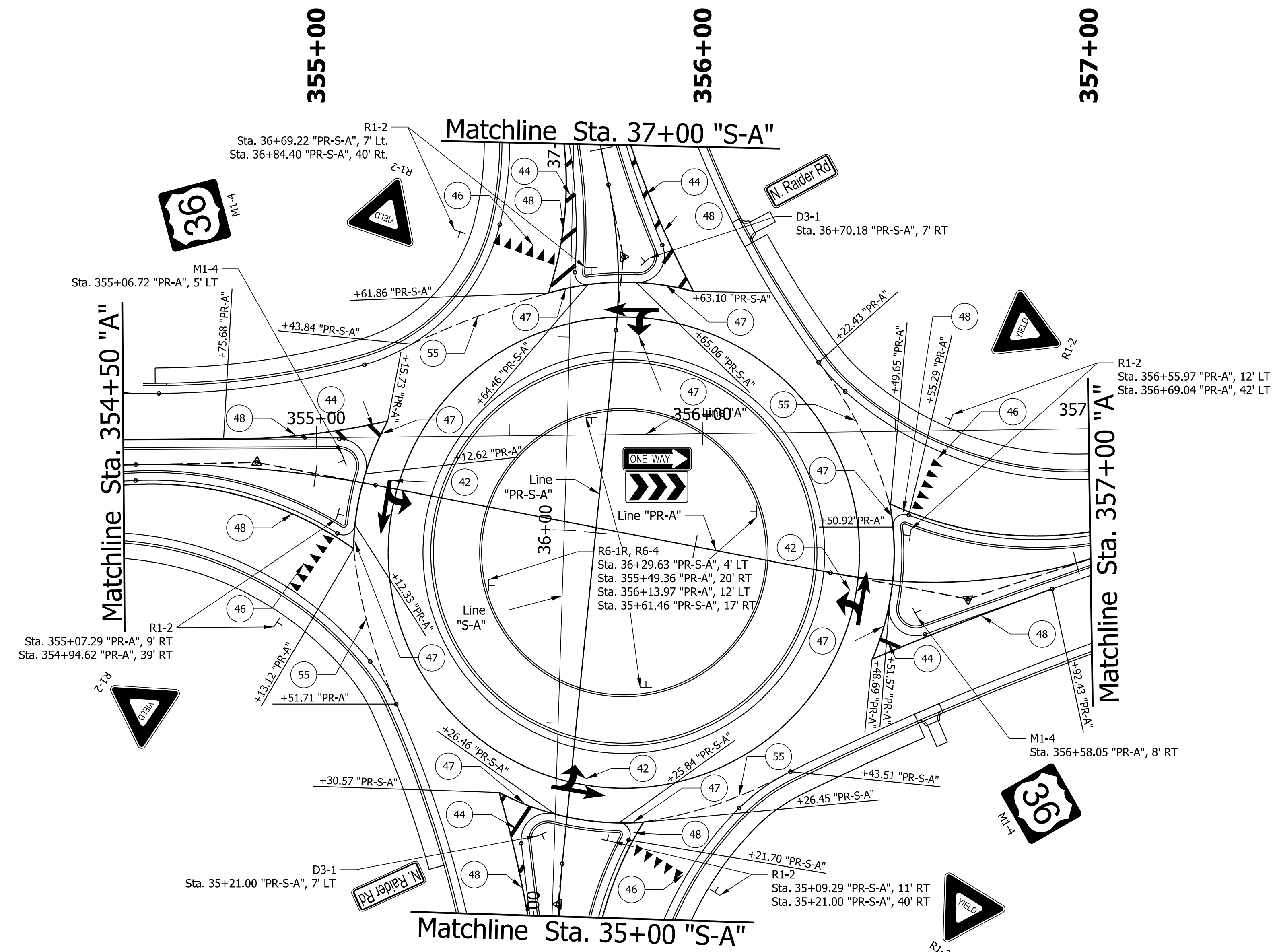


LEGEND

- ④2 Pavement Message Marking, Thermoplastic, Lane Indication Arrow
- ④4 Transverse Markings, Thermoplastic, Crosshatch, Yellow, 12" (45° @ 10' Spa.)
- ④6 Transverse Markings, Thermoplastic, Yield Triangle, White, 27"
- ④7 Line, Thermoplastic, Solid, White, 6"
- ④8 Line, Thermoplastic, Solid, Yellow, 6"
- ⑤3 Line, Thermoplastic, Solid, Yellow, 8"
- ⑤5 Line, Thermoplastic, Dotted, White, 12" (3' Line, 2' Gap)

Note:
 All thermoplastic centerlines, lane lines, and edge lines along US 36 to be placed within pavement grooving except on the existing bridge deck and approach slab. No grooving to be placed beneath transverse markings, dotted markings, message markings, or on any markings on Raider Road.

Plot: 1/2/2024 File: Model: Default	STAGE 2	RECOMMENDED FOR APPROVAL _____ 09/06/23 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION		SCALE 1"=20'	BRIDGE FILE
	09/06/23	DESIGNED: BV 09/06/23 DRAWN: BV 09/06/23	PAVEMENT MARKING AND SIGNING PLAN LINE "S-A"/"PR-S-A"		DESIGNATION 2000152	SHEETS 28 of 38
		CHECKED: RI 09/06/23 CHECKED: RI 09/06/23			CONTRACT R-43507	PROJECT 2000152



LEGEND

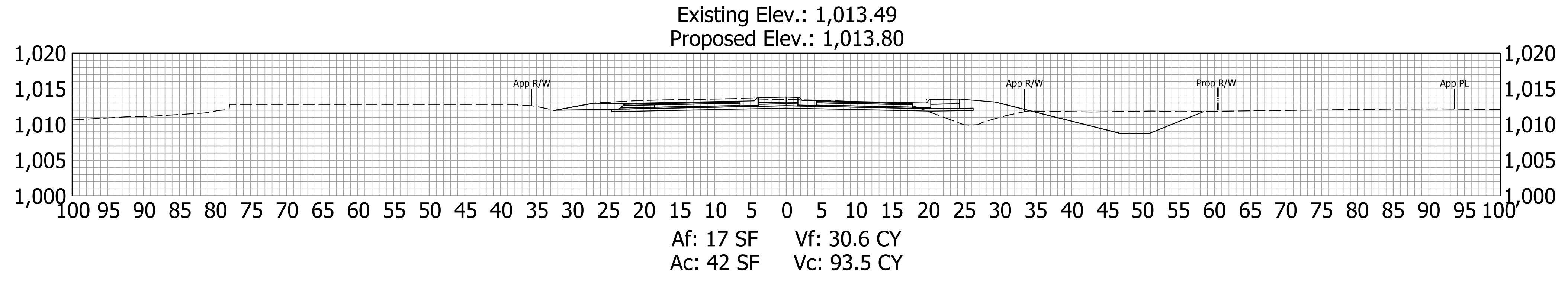
- ④② Pavement Message Marking, Thermoplastic, Lane Indication Arrow
- ④④ Transverse Markings, Thermoplastic, Crosshatch, Yellow, 12" (45° @ 10' Spa.)
- ④⑥ Transverse Markings, Thermoplastic, Yield Triangle, White, 27"
- ④⑦ Line, Thermoplastic, Solid, White, 6"
- ④⑧ Line, Thermoplastic, Solid, Yellow, 6"
- ⑤③ Line, Thermoplastic, Solid, Yellow, 8"
- ⑤⑤ Line, Thermoplastic, Dotted, White, 12" (3' Line, 2' Gap)

Note:
 All thermoplastic centerlines, lane lines, and edge lines along US 36 to be placed within pavement grooving except on the existing bridge deck and approach slab. No grooving to be placed beneath transverse markings, dotted markings, message markings, or on any markings on Raider Road.

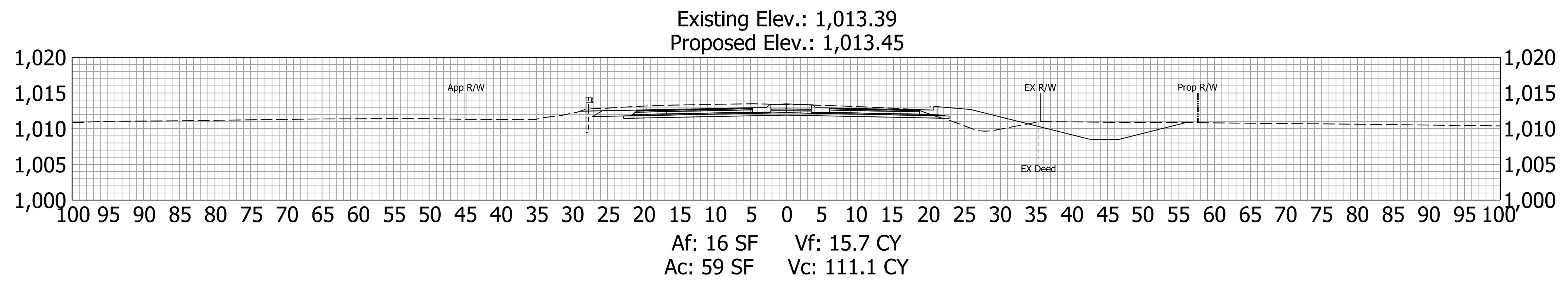
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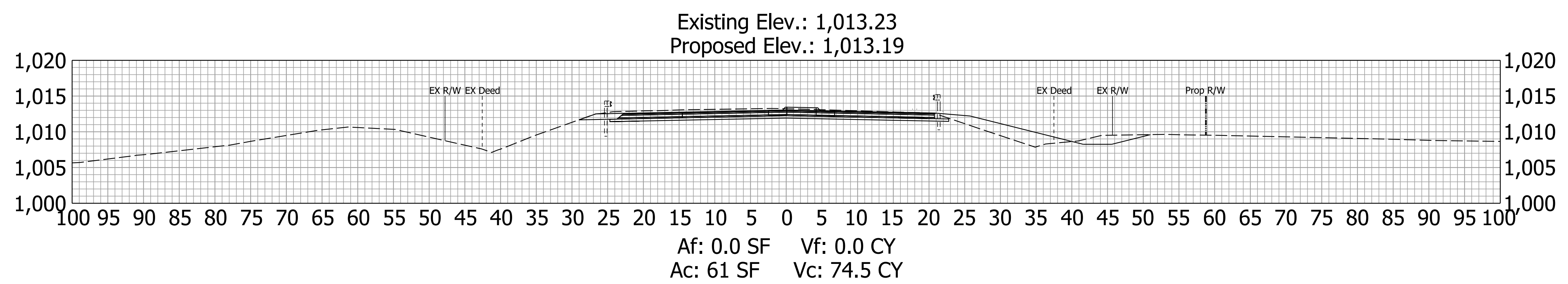
STAGE 2 09/06/23	RECOMMENDED FOR APPROVAL _____ 09/06/23 <small>DESIGN ENGINEER DATE</small>	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE 1"=20'	BRIDGE FILE
	DESIGNED: BV 09/06/23 DRAWN: BV 09/06/23 <small>CHECKED: RI 09/06/23 CHECKED: RI 09/06/23</small>	US 36 AND RAIDER RD PAVEMENT MARKING AND SIGNING PLAN	SHEETS 29 of 38	DESIGNATION 2000152
			CONTRACT R-43507	PROJECT 2000152



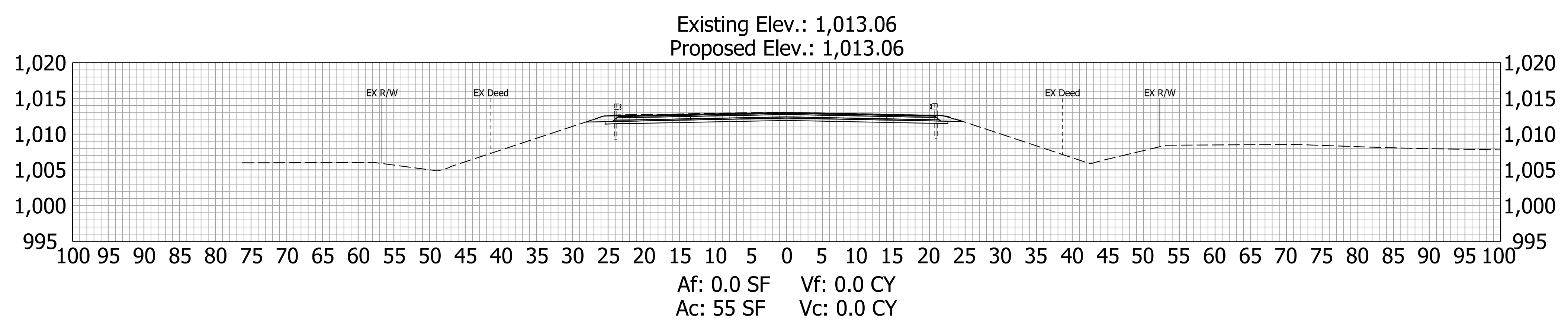
354+50.00



354+00.00



353+50.00



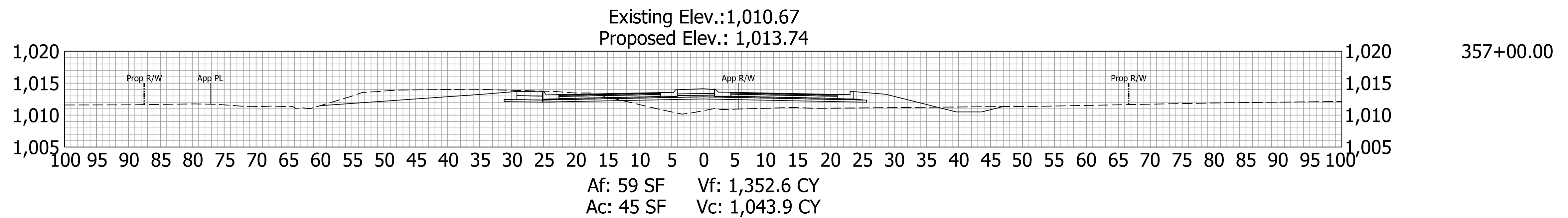
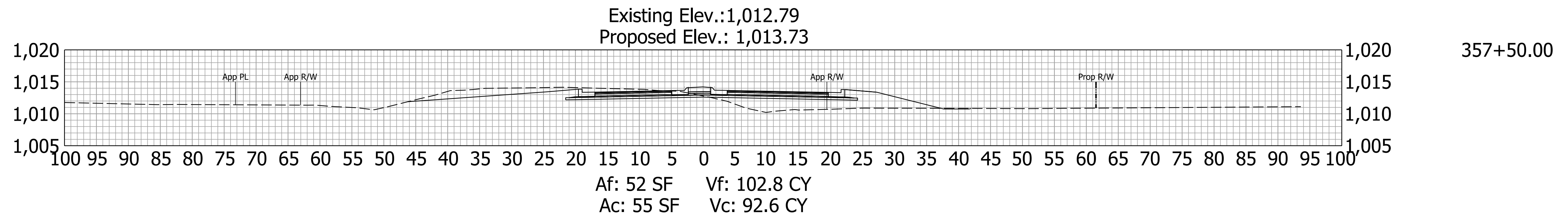
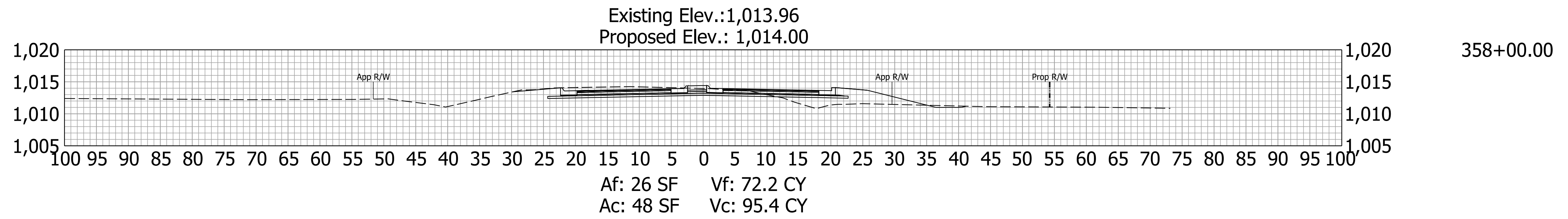
353+15.31

Begin Project 2000152: STA. 353+15.31 Line "PR-A"

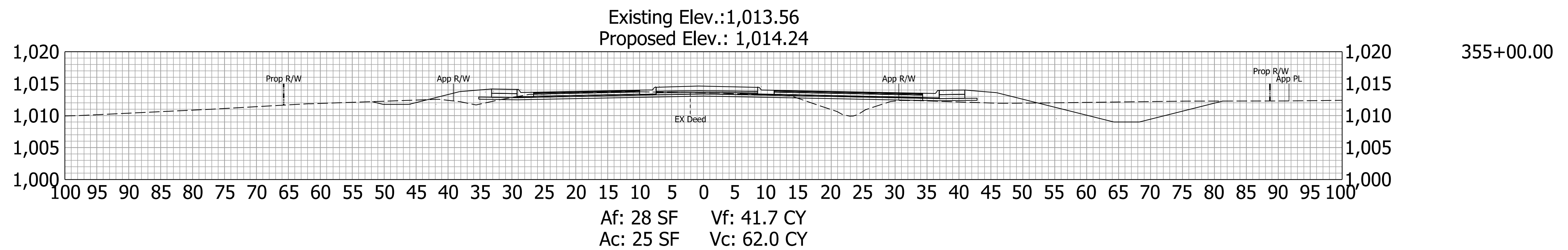
Plot: 1/2/2024

File: RD_Cross Sections US36.dgn
Model:RD_XS Sheet 1

STAGE 2 09/06/23	RECOMMENDED FOR APPROVAL _____ 09/06/23 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=10'	BRIDGE FILE
	DESIGNED: BV 09/06/23 DRAWN: BV 09/06/23		DESIGNATION 2000152	
	CHECKED: RI 09/06/23 CHECKED: RI 09/06/23	CROSS SECTIONS LINE "PR-A"	VERTICAL SCALE 1"=10'	SHEETS 32 of 38
			CONTRACT R-43507	PROJECT 2000152



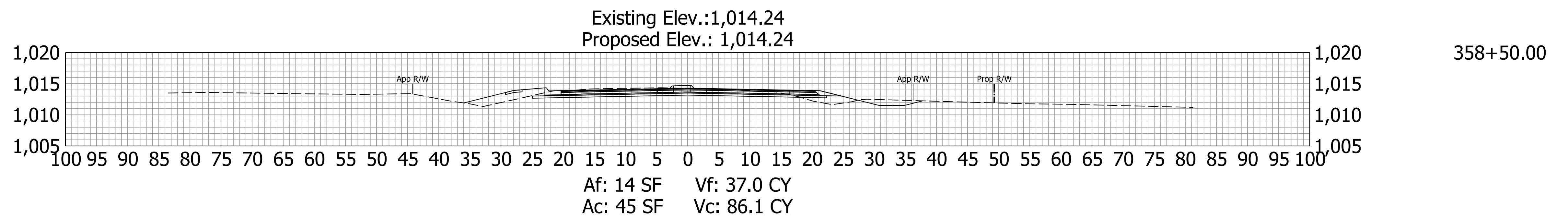
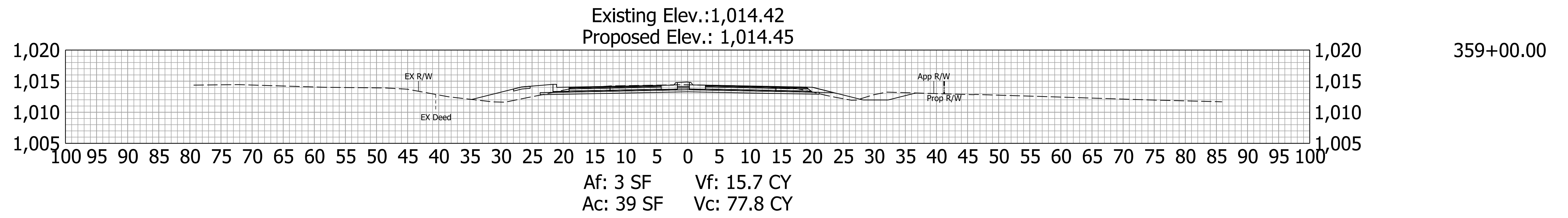
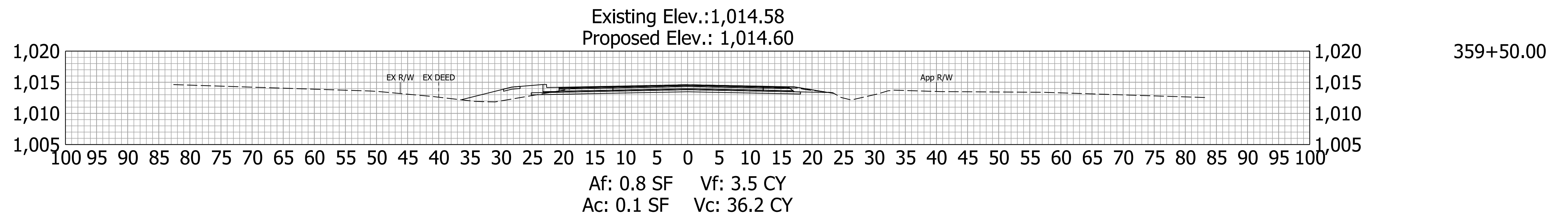
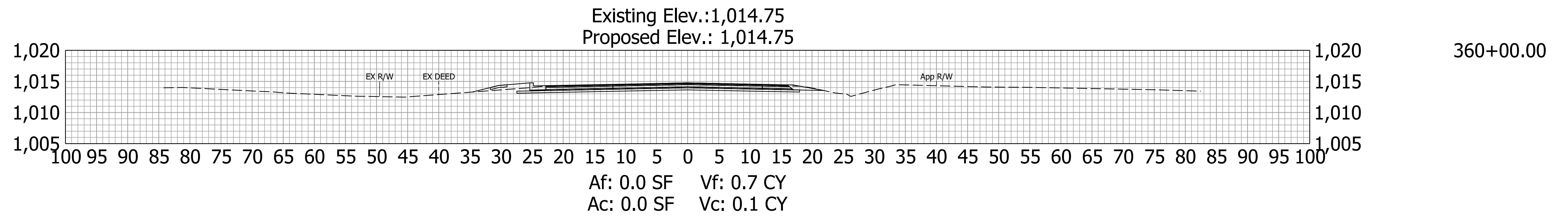
Begin Roundabout 355+10.37
End Roundabout 356+53.99



Plot: 1/2/2024

File: RD_Cross Sections US36.dgn
Model: RD_XS Sheet 2

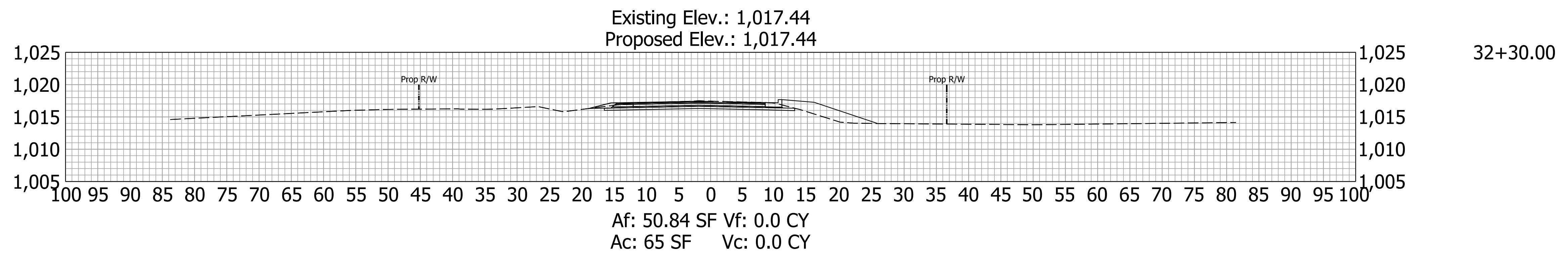
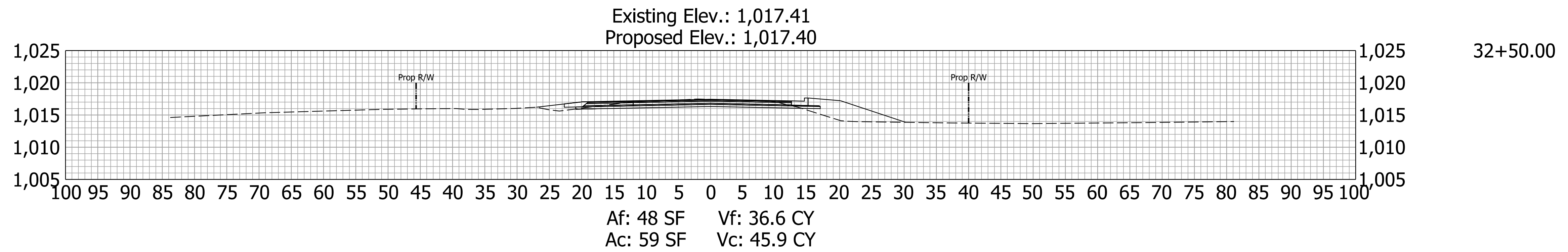
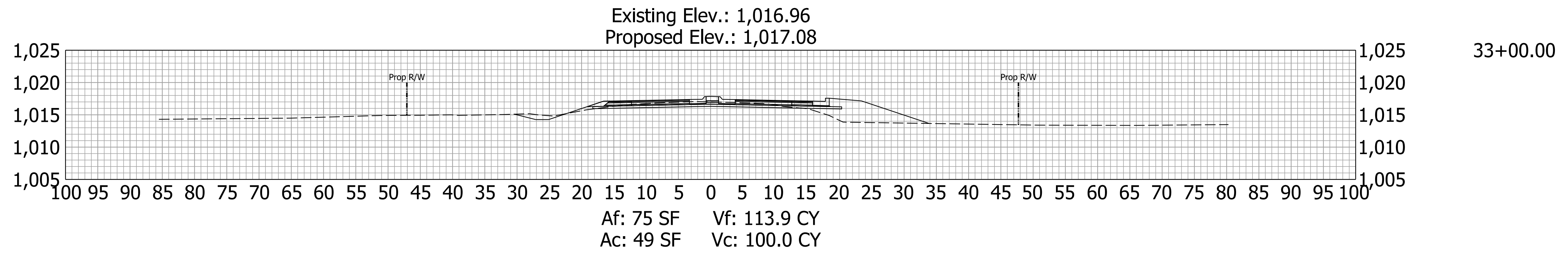
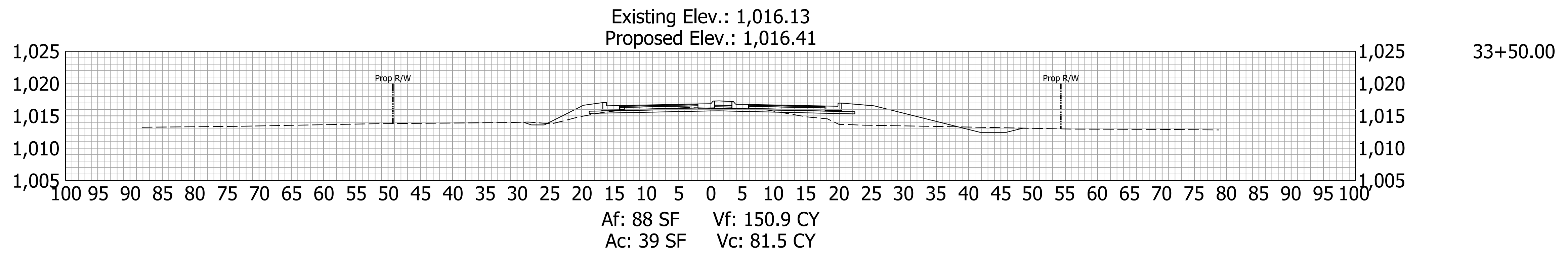
STAGE 2 09/06/23	RECOMMENDED FOR APPROVAL _____ 09/06/23 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=10'	BRIDGE FILE
	DESIGNED: BV 09/06/23 DRAWN: BV 09/06/23		DESIGNATION 2000152	
	CHECKED: RI 09/06/23 CHECKED: RI 09/06/23	CROSS SECTIONS LINE "PR-A"	VERTICAL SCALE 1"=10'	SHEETS 33 of 38
			CONTRACT R-43507	PROJECT 2000152



Plot: 1/2/2024

File: RD_Cross Sections US36.dgn
Model: RD_XS Sheet 3

STAGE 2 09/06/23	RECOMMENDED FOR APPROVAL _____ 09/06/23 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=10'	BRIDGE FILE
	DESIGNED: BV 09/06/23 DRAWN: BV 09/06/23		DESIGNATION 2000152	
	CHECKED: RI 09/06/23 CHECKED: RI 09/06/23	CROSS SECTIONS LINE "PR-A"	VERTICAL SCALE 1"=10'	SHEETS 34 of 38
			CONTRACT R-43507	PROJECT 2000152



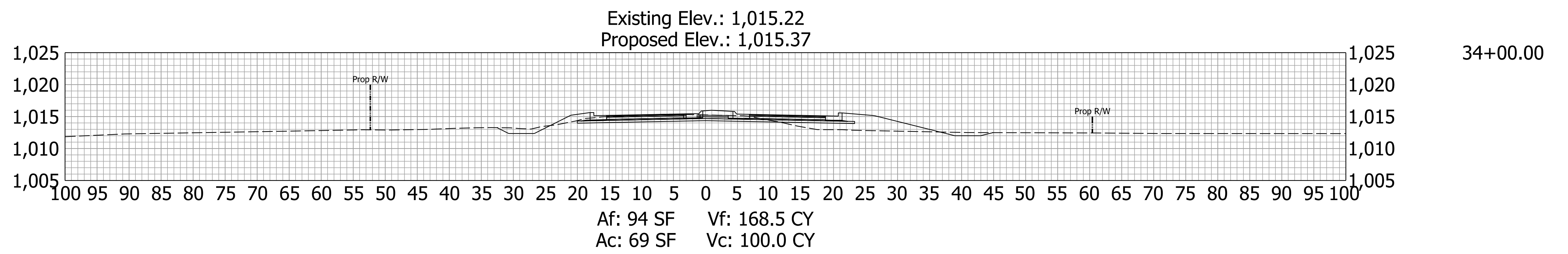
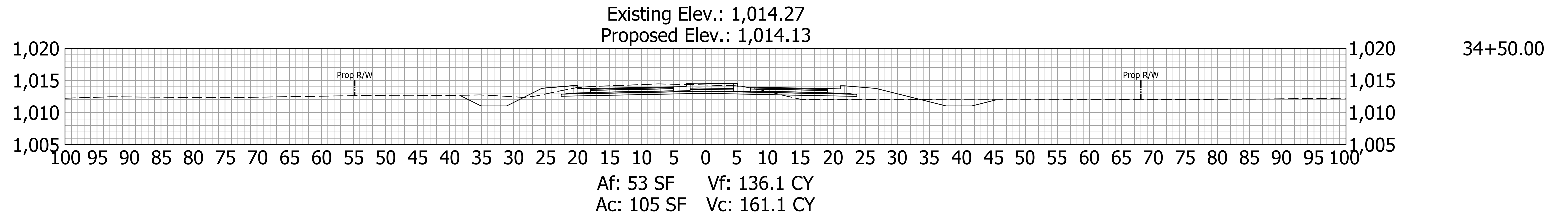
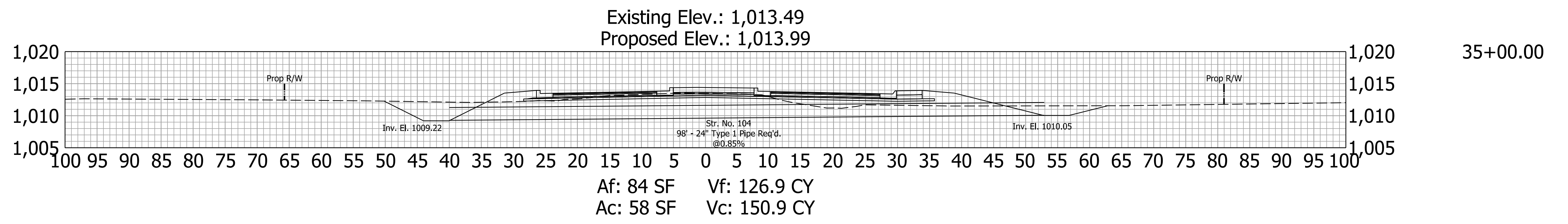
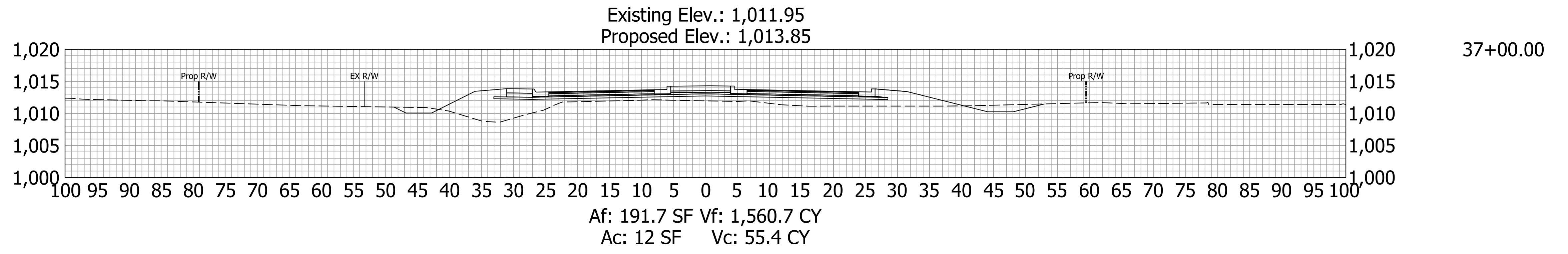
Begin 2000152: Line "PR-S-A"

Plot: 1/2/2024

File: RD_Cross Sections Raider.dgn
Model:RD_XS Sheet 1

STAGE 2 09/06/23	RECOMMENDED FOR APPROVAL _____ 09/06/23 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=10'	BRIDGE FILE
	DESIGNED: BV 09/06/23 DRAWN: BV 09/06/23		DESIGNATION 2000152	
	CHECKED: RI 09/06/23 CHECKED: RI 09/06/23		SHEETS 35 of 38	
			CONTRACT R-43507 PROJECT 2000152	

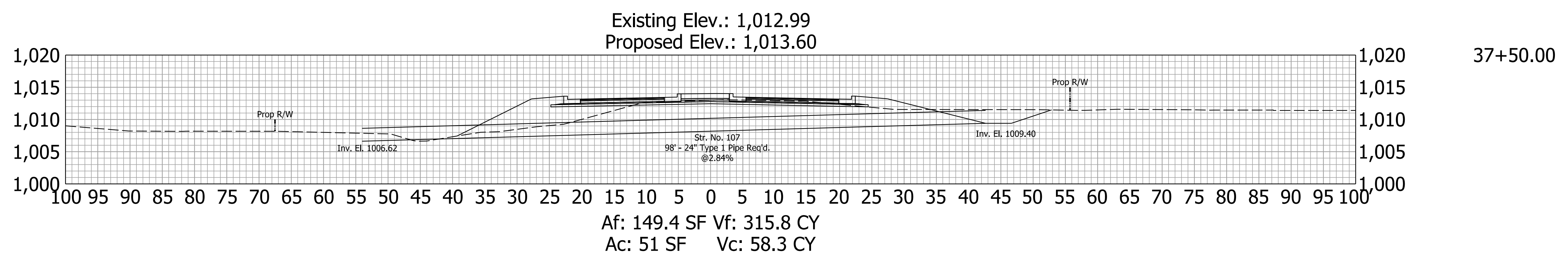
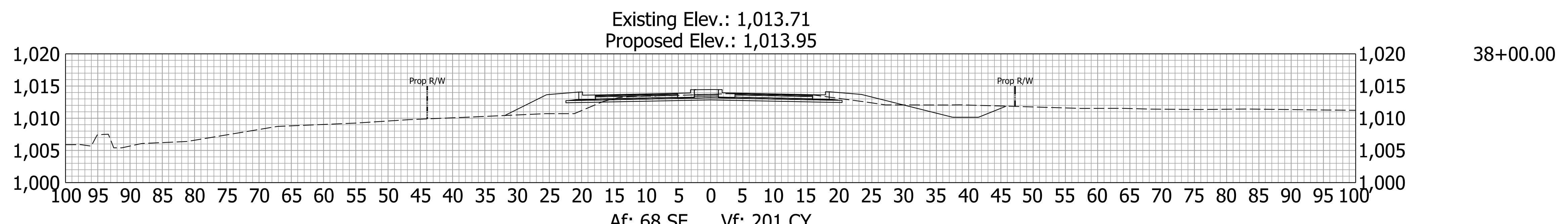
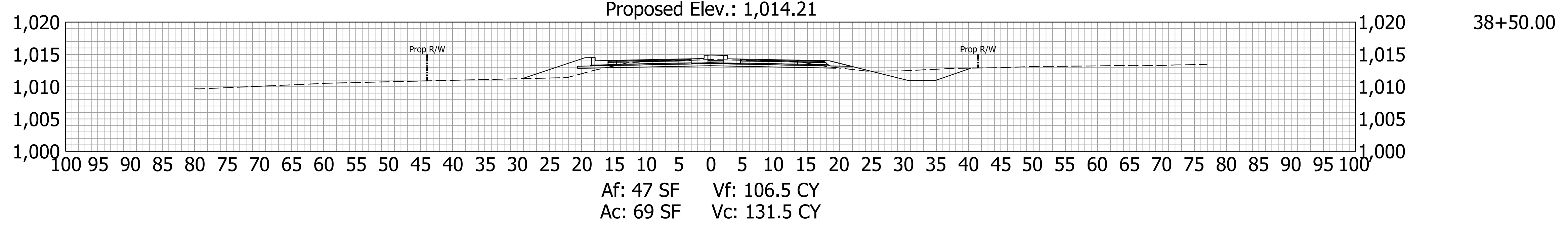
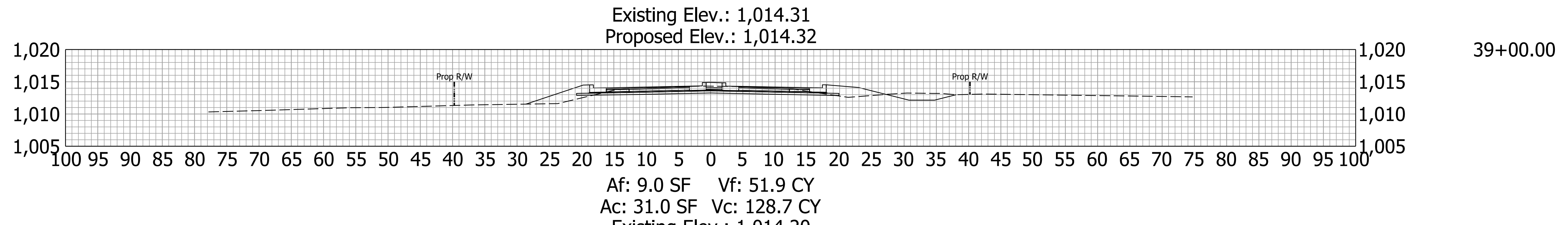
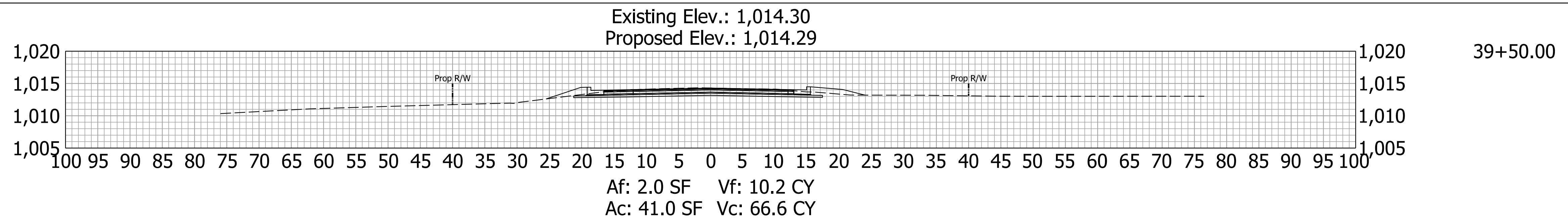
CROSS SECTIONS
LINE "PR-S-A"



Plot: 1/2/2024

File: RD_Cross Sections Raider.dgn
Model:RD_XS Sheet 2

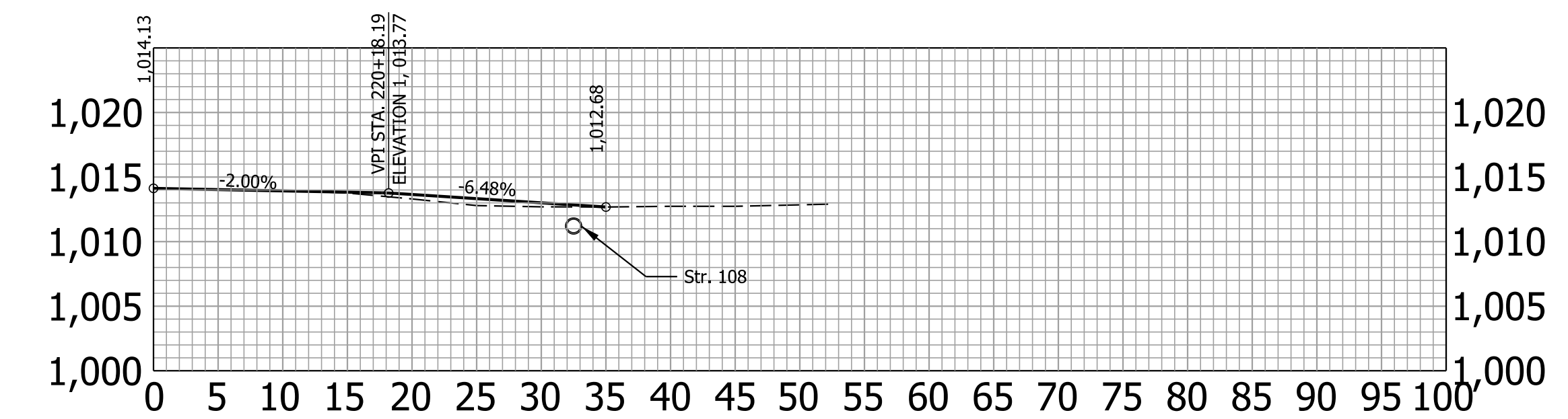
STAGE 2 09/06/23	RECOMMENDED FOR APPROVAL _____ 09/06/23 <small>DESIGN ENGINEER DATE</small>	INDIANA DEPARTMENT OF TRANSPORTATION CROSS SECTIONS LINE "PR-S-A"	HORIZONTAL SCALE 1"=10'	BRIDGE FILE
	DESIGNED: BV 09/06/23 DRAWN: BV 09/06/23		VERTICAL SCALE 1"=10'	DESIGNATION 2000152
	CHECKED: RI 09/06/23 CHECKED: RI 09/06/23		SHEETS 36 of 38	
			CONTRACT R-43507	PROJECT 2000152



Plot: 1/2/2024

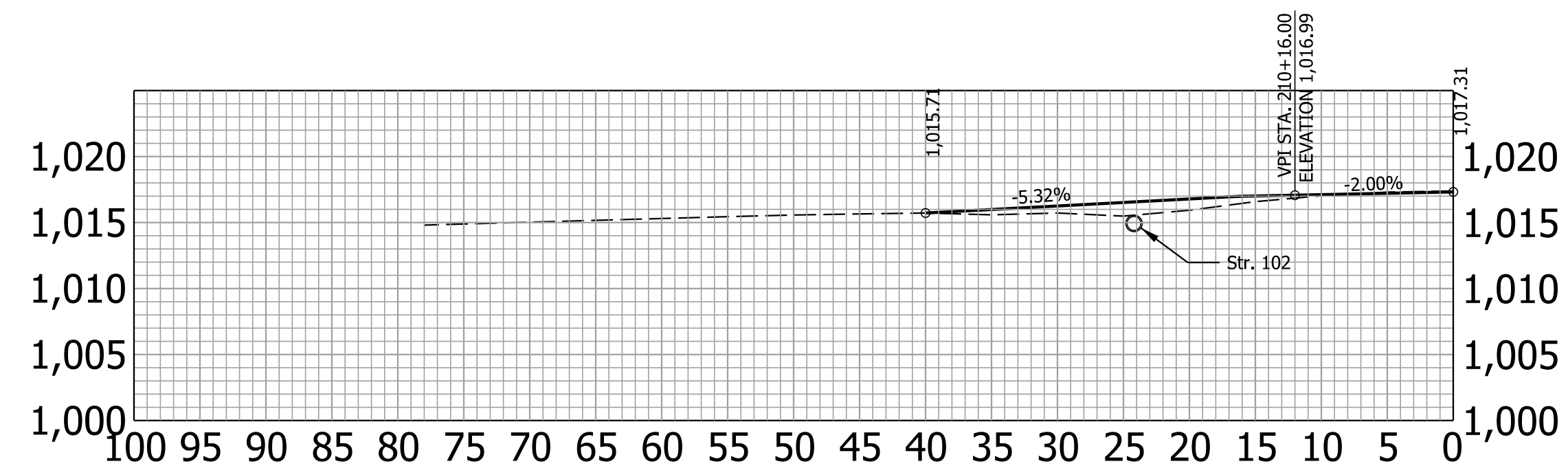
File: RD_Cross Sections Raider.dgn
Model:RD_XS Sheet 3

STAGE 2 09/06/23	RECOMMENDED FOR APPROVAL _____ 09/06/23 <small>DESIGN ENGINEER DATE</small>	INDIANA DEPARTMENT OF TRANSPORTATION CROSS SECTIONS Line "PR-S-A"	HORIZONTAL SCALE	BRIDGE FILE
	DESIGNED: BV 09/06/23 DRAWN: BV 09/06/23		1"=10'	DESIGNATION
	CHECKED: RI 09/06/23 CHECKED: RI 09/06/23		VERTICAL SCALE	2000152
			1"=10'	SHEETS
			CONTRACT	37 of 38
			R-43507	PROJECT
				2000152



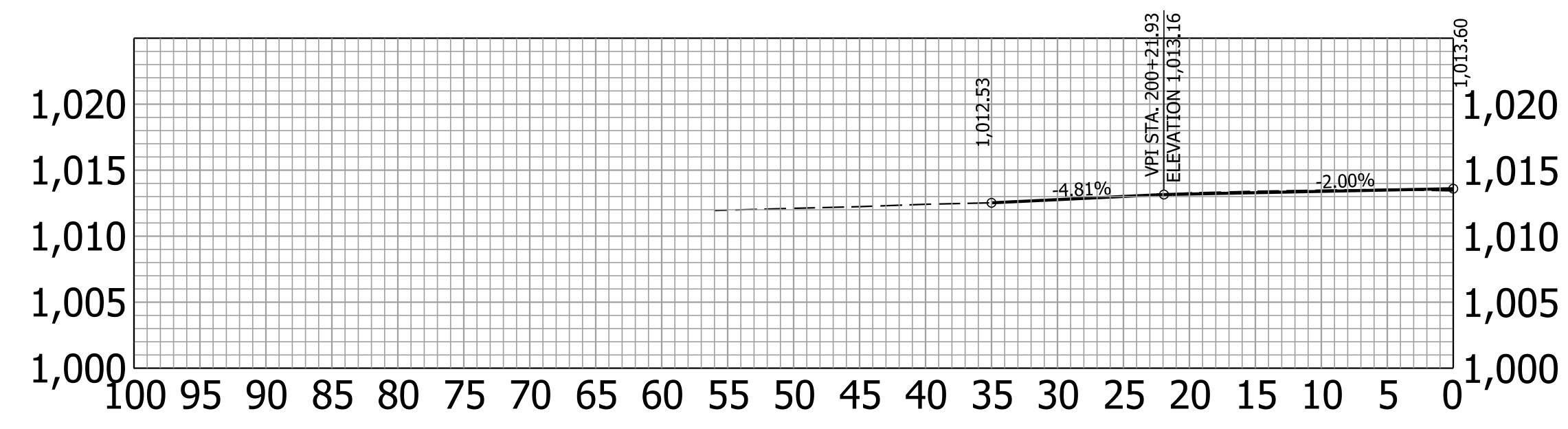
38+31.09

CL. II Drive, Rt.



Class V, Lt.

33+50.00



CL. II Drive, Lt.

354+22.92

Plot: 1/2/2024

File: RD_Drives Profile.dgn
Model:RD_XS Sheet 1

STAGE 2 09/06/23	RECOMMENDED FOR APPROVAL _____ 09/06/23 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=10'	BRIDGE FILE
	DESIGNED: BV 09/06/23 DRAWN: BV 09/06/23		DESIGNATION 2000152	
	CHECKED: RI 09/06/23 CHECKED: RI 09/06/23	DRIVE PROFILES LINE "PR-A" AND LINE "PR-S-A"	VERTICAL SCALE 1"=10'	SHEETS 38 of 38
			CONTRACT R-43507	PROJECT 2000152