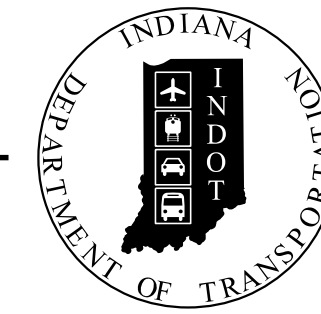


PROJECT	DESIGNATION
190024900ST6	1900249
CONTRACT	
R-42194	

KIN PROJECT INFORMATION	
DESIGNATION	PROJECT DESCRIPTION
1900249	Intersection Improvement, Median U-Turn (Lead)
1900255	Intersection Improvement, Median U-Turn

# INDIANA DEPARTMENT OF TRANSPORTATION



## ROAD PLANS

ROUTE: SR 37 FROM: RP 72+46 TO: RP 72+46  
PROJECT NO. 190024900ST6 P.E.

NO ADDITIONAL RIGHT OF WAY  
REQUIRED FOR THIS PROJECT

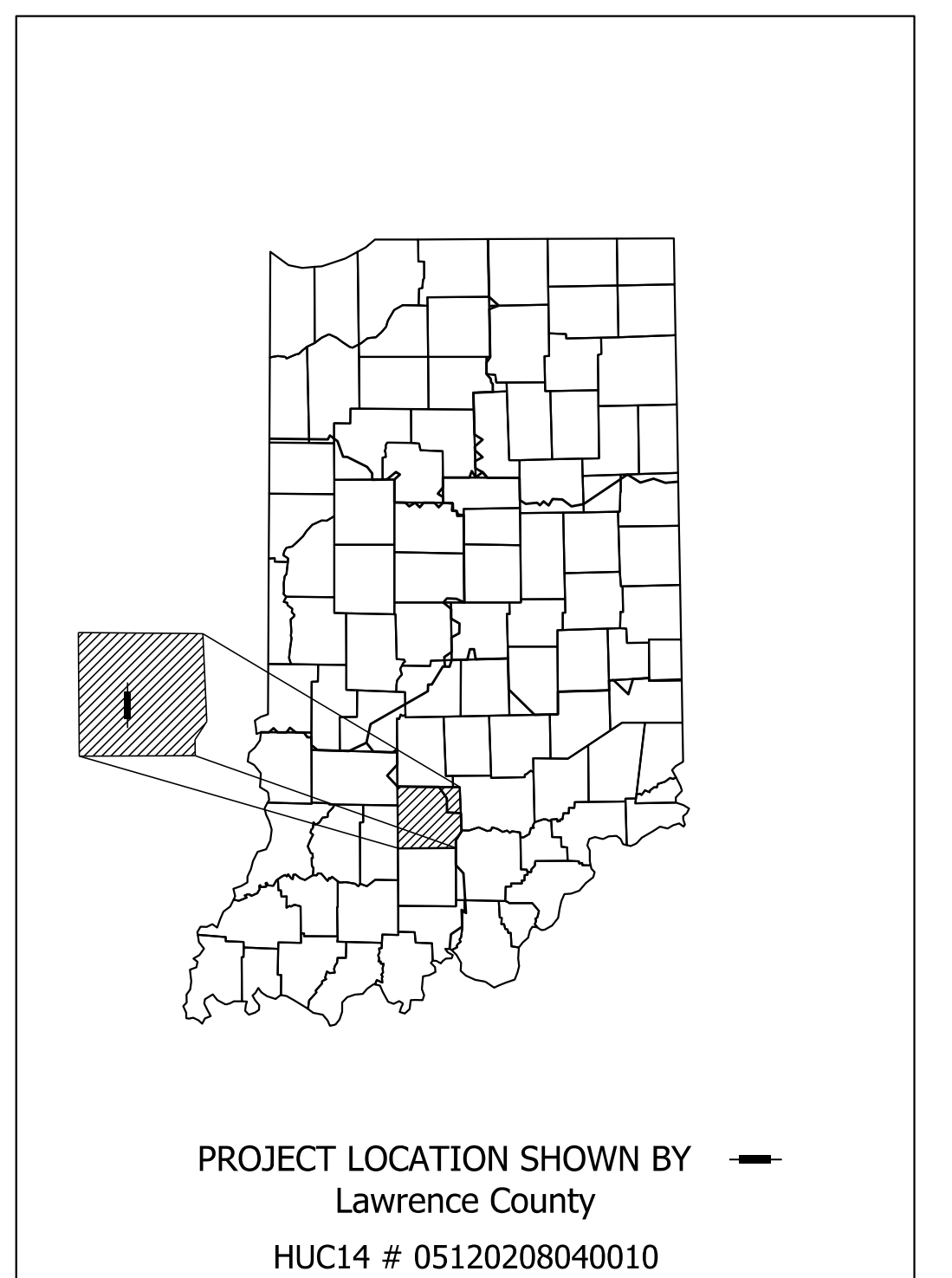
R/W  
190024900ST6 CONST.

Intersection Improvement, Median U-Turn on SR 37  
Located 1.68 Miles S of S Jct. of US 50 (Wesley Chapel Rd./CR 500 S)  
Sections 10 and 15, T-4-N, R-1-W, Marion Township, Lawrence County, Indiana

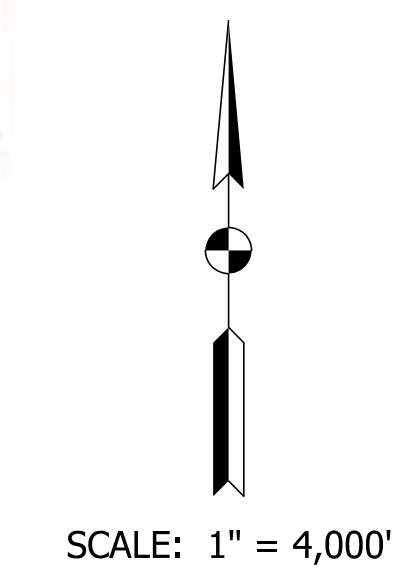
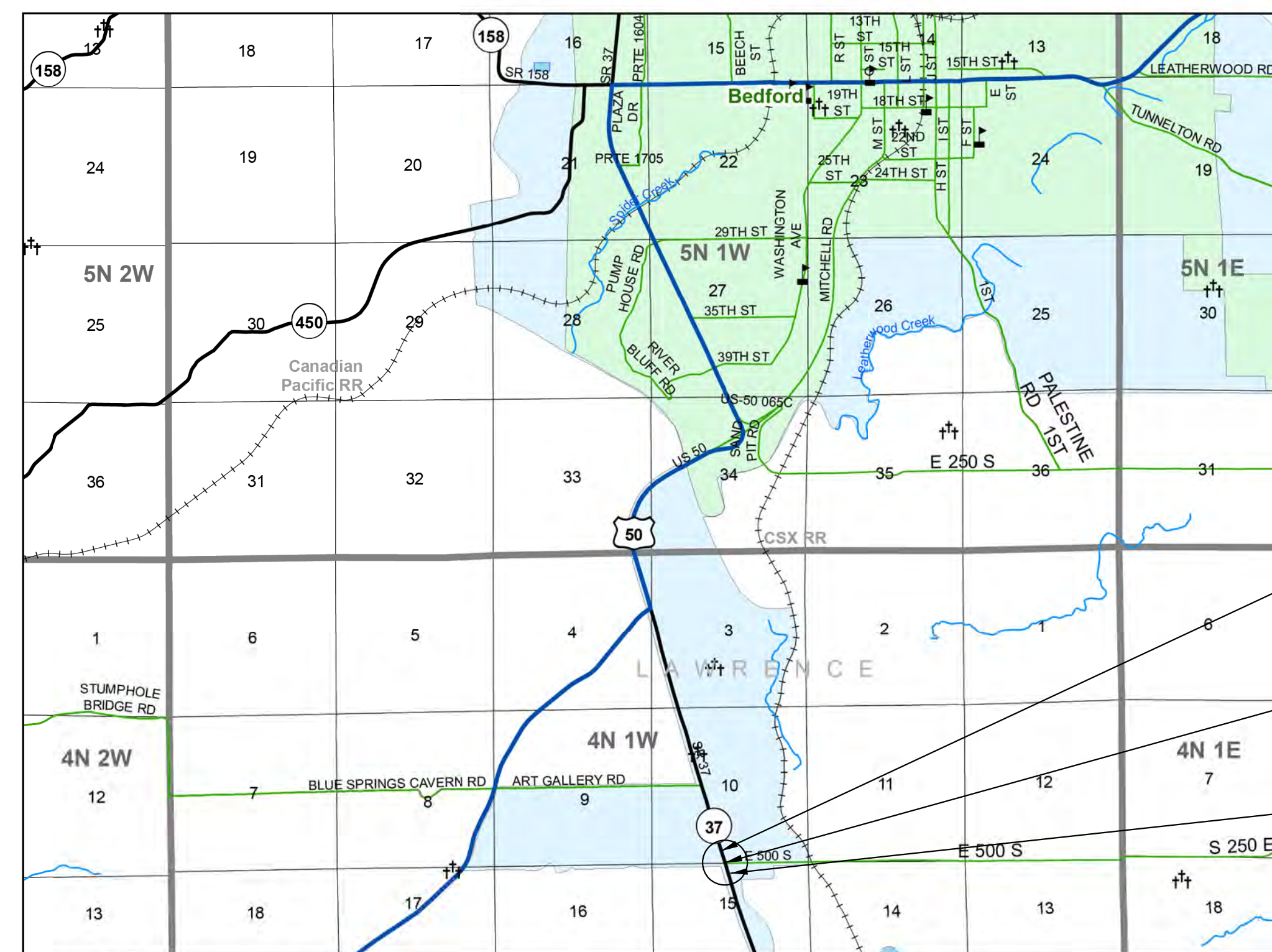
TRAFFIC DATA		
A.A.D.T.	(2023)	15,775 V.P.D.
A.A.D.T.	(2043)	17,973 V.P.D.
D.H.V	(2043)	1,799 V.P.H.
DIRECTIONAL DISTRIBUTION		49.75 %
TRUCKS		7.30 % A.A.D.T. 7.05 % D.H.V.

DESIGN DATA	
DESIGN SPEED	60 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	PARTIAL



LATITUDE: N 38°47'21"	LONGITUDE: W 86°30'29"
GROSS LENGTH: _____	0.55 MI.
NET LENGTH: _____	0.55 MI.
MAX. GRADE: _____	0.77 %



Begin Project  
Sta. 324+00 Line "PR"  
Project Location  
End Project  
Sta. Ah 353+00 Line "PR"

1" = 4,000'

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

PLANS PREPARED BY: Alisa Kay Bowen	317-233-2066
	PHONE NUMBER
CERTIFIED BY: _____	DATE
RECOMMENDED FOR LETTING: _____	DATE
INDIANA DEPARTMENT OF TRANSPORTATION	

DESIGNATION	
1900249	
SHEETS	
1	of 54
CONTRACT	PROJECT
R-42194	190024900ST6

Plot: 1/5/2023 9:39 AM

### UTILITIES

**Electric:**

Daviess-Martin REMC  
 P.O. Box 430, 12628 E. 75 N  
 Loogootee, IN 47553  
 Contact: Ken Fry  
 Phone: (812) 295-4200

**Telephone:**

AT&T Distribution  
 866 Rock Creek Rd.  
 Plano, IL 60545  
 Contact: Carl Donahue  
 Phone: (630) 552-4677

**Frontier**

221 W Washington St.  
 Fairmont, IN 46928  
 Contact: Jack Whitlow  
 Phone: (765) 948-4115

**Cable:**

New Wave  
 111 Cherry Tree Plaza  
 Washington, IN 47501  
 Phone: (888) 863-9923

**Water:**

South Lawrence Utilities  
 P.O. Box 231, 533 1/2 Main St.  
 Mitchell, IN 47446  
 Contact: Ogal Vaney  
 Phone: (812) 849-3713

**Gas:**

Centerpoint Energy  
 211 NW Riverside Dr.  
 Evansville, IN 47708  
 Phone: (812) 491-4000

**Duke Energy**

P.O. Box 1642, 5444 Westheimer  
 Houston, TX 77251-164  
 Contact: James Messman  
 Phone: (713) 989-2228



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

INDIANA UNDERGROUND  
 1-800-382-5544 OR CALL 811  
 24 HOURS A DAY 7 DAYS A WEEK

### GENERAL NOTES

All earth shoulders, median areas, disturbed areas, and cut and fill slopes shall be plain or mulch seeded except where sodding is specified.

### INDEX

SHEET NO.	DRAWINGS INDEX
1	TITLE
2	INDEX AND GENERAL NOTES
3-4	TYPICAL CROSS SECTIONS
5-20	MAINTENANCE OF TRAFFIC
21-24	PLAN AND PROFILE
25-29	CONSTRUCTION DETAILS
30	INTERSECTION DETAIL AND SPOT ELEVATIONS
31-32	U-TURN DETAILS AND SPOT ELEVATIONS
33-35	LIGHTING DETAILS
36	ROAD SUMMARY OF QUANTITIES
37-54	CROSS SECTIONS

### REVISIONS

SHEET NO.	DATE	REVISED

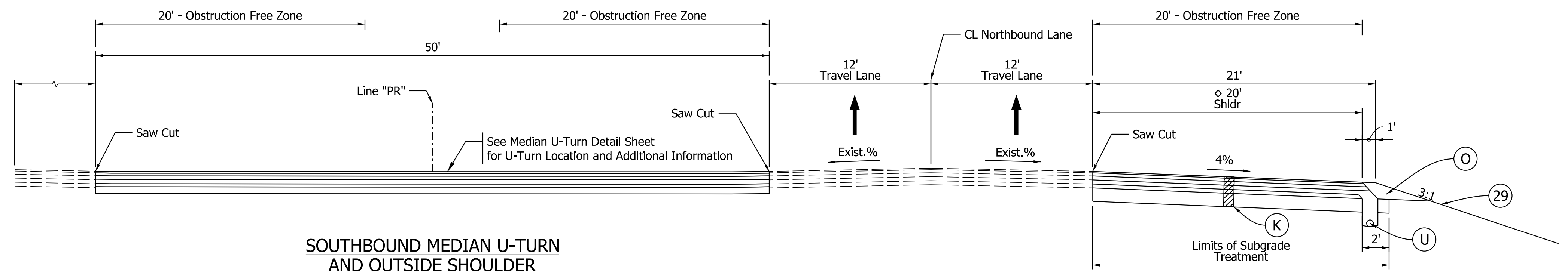
Plot: 1/5/2023 9:40 AM

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	SCALE None	BRIDGE FILE N/A DESIGNATION 1900249
DESIGNED: AKB Dec 2021 DRAWN: AKB Dec 2021 CHECKED: MRS Dec 2021 CHECKED: MRS Dec 2021	<b>INDEX SHEET</b>	SHEETS 2 of 54 CONTRACT PROJECT R-42194 1900249005T6	

**LEGEND**

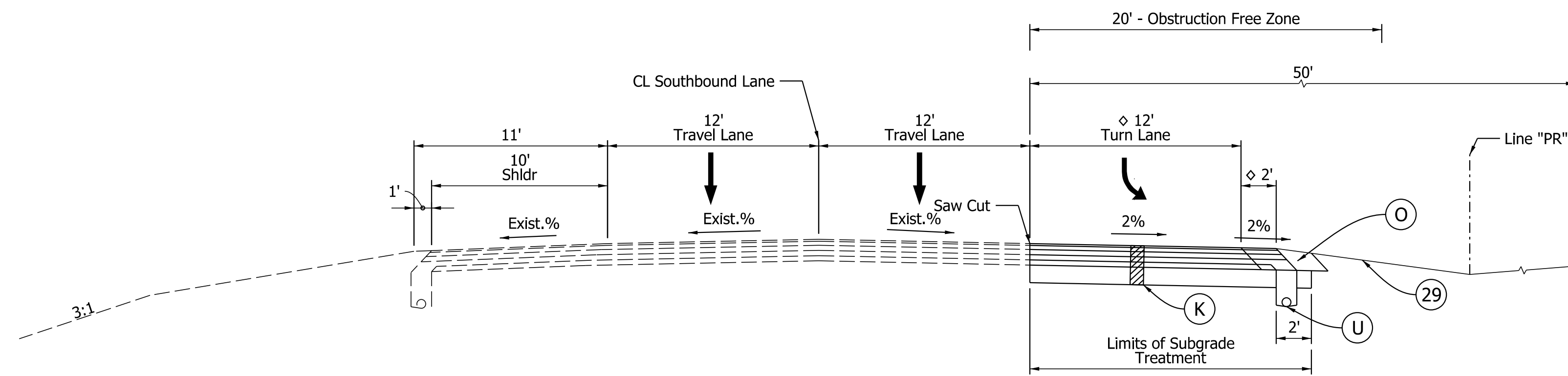
- (F) PCCP, 7 inches, using 1.25 inch Dowel Bars  
D-1 Joints spaced no more than 15 feet, on  
10 inches of Compacted Aggregate, No. 53, on  
Subgrade Treatment Type IC
- (K) 165 lbs/yd<sup>2</sup> QC/QA-HMA 3, 70, Surface, 9.5mm, on  
275 lbs/yd<sup>2</sup> QC/QA-HMA 3, 70, Intermediate, 19.0mm, on  
330 lbs/yd<sup>2</sup> QC/QA-HMA 3, 64, Base, 19.0mm, on  
400 lbs/yd<sup>2</sup> QC/QA-HMA 4, 76, Base OG, 19.0mm, on  
4 Inches Compacted Aggregate, No. 53, on  
Subgrade Treatment Type IC
- (O) Compacted Aggregate No. 53
- (U) Underdrain
- (15) Concrete Curb and Gutter, Type B
- (29) Mulched Seeding R

*Pavement design is assumed at this time.*



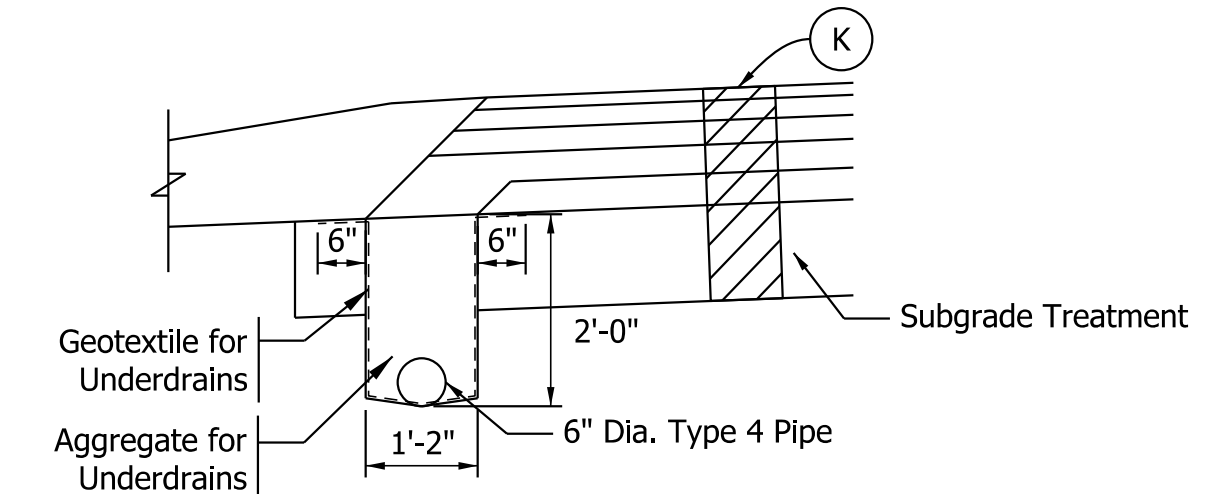
**SOUTHBOUND MEDIAN U-TURN  
AND OUTSIDE SHOULDER**

Scale: 3/16"=1'-0"  
Sta. 324+00 to Sta. 326+50  
◇ Varies, See Taper Table



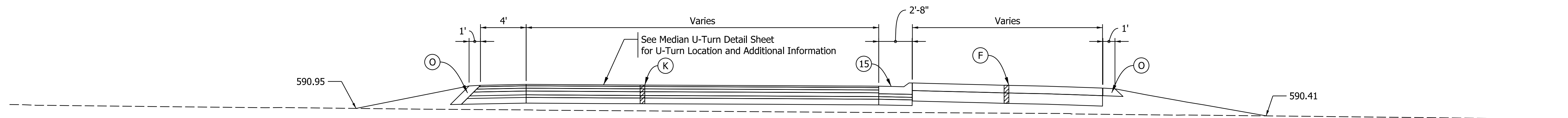
**SOUTHBOUND LEFT TURN LANE**

Scale: 3/16"=1'-0"  
Sta. 324+75 to Sta. 329+45  
Sta. 341+45 to Sta. 346+75  
◇ Varies, See Taper Table



**(U) UNDERDRAIN DETAIL**

Scale: 1/2"=1'-0"  
Underdrain installation shall be done  
prior to subgrade treatment installation.



**SOUTHBOUND U-TURN SECTION**

Scale: 1"=5'  
Sta. 324+00 to Sta. 324+85

Plot: 1/5/2023 9:40 AM

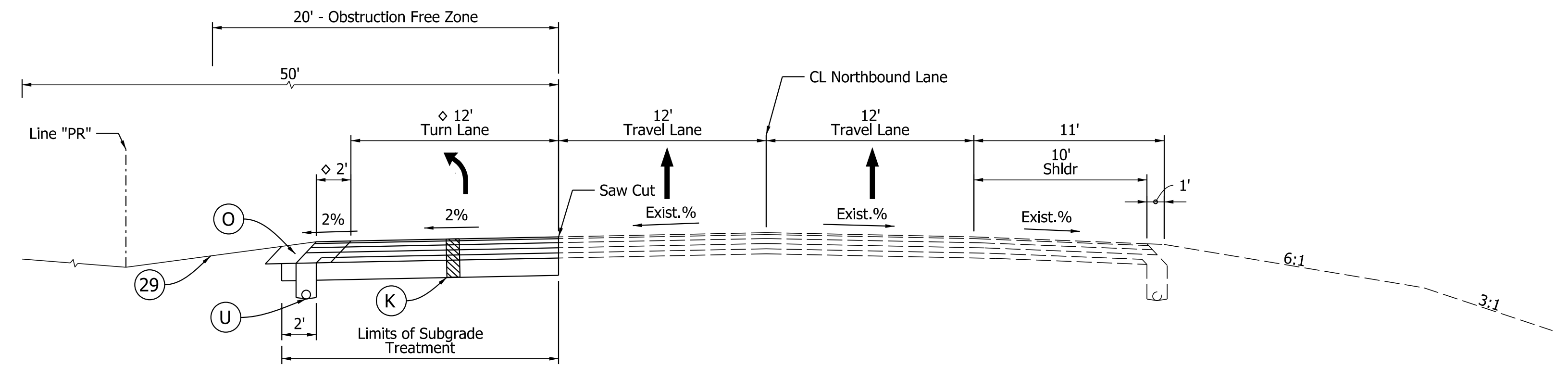
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Model: Half Section Sheet\_1

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						As Noted	N/A
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CHECKED: MRS	Dec 2021	CHECKED: MRS	Dec 2021			1900249	
						SHEETS	
						3	of 54
						CONTRACT	PROJECT
						R-42194	1900249005T6

**LEGEND**

- (F) PCCP, 7 inches, using 1.25 inch Dowel Bars  
D-1 Joints spaced no more than 15 feet, on  
10 inches of Compacted Aggregate, No. 53, on  
Subgrade Treatment Type IC
- (K) 165 lbs/yd<sup>2</sup> QC/QA-HMA 3, 70, Surface, 9.5mm, on  
275 lbs/yd<sup>2</sup> QC/QA-HMA 3, 70, Intermediate, 19.0mm, on  
330 lbs/yd<sup>2</sup> QC/QA-HMA 3, 64, Base, 19.0mm, on  
400 lbs/yd<sup>2</sup> QC/QA-HMA 4, 76, Base OG, 19.0mm, on  
4 Inches Compacted Aggregate, No. 53, on  
Subgrade Treatment Type IC
- (O) Compacted Aggregate No. 53
- (U) Underdrain
- (15) Concrete Curb and Gutter, Type B
- (29) Mulched Seeding R

*Pavement design is assumed at this time.*

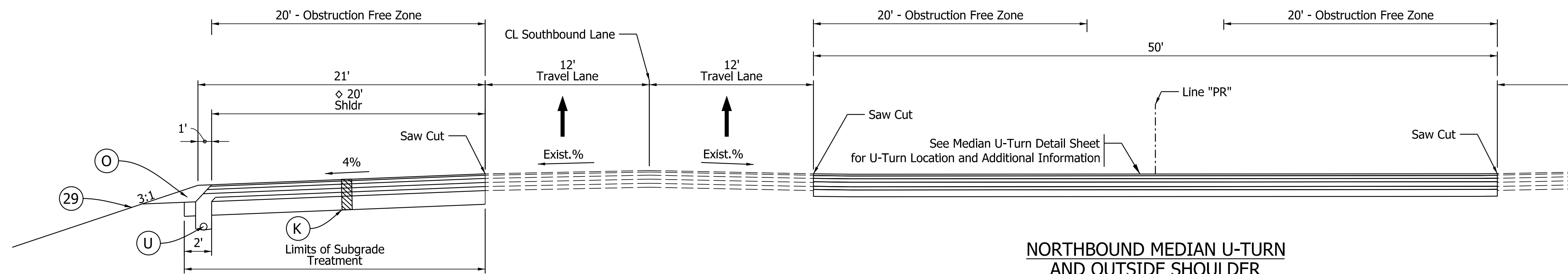


**NORTHBOUND LEFT TURN LANE**

Scale: 3/16"=1'-0"  
Sta. 332+45 to Sta. 337+75  
Sta. 347+55 to Sta. 352+25  
◊ Varies, See Taper Table

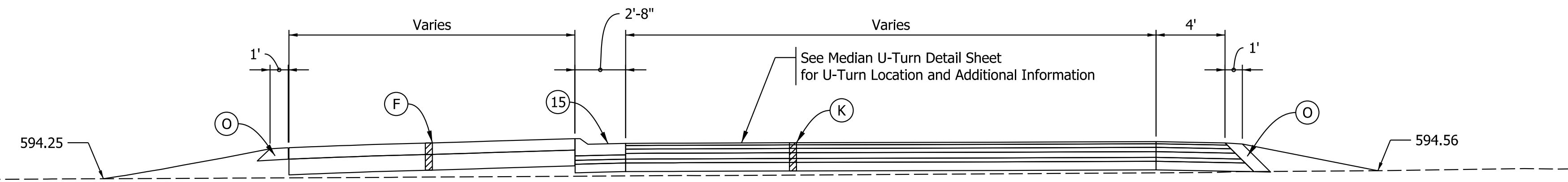
TAPER TABLE					
Start Sta.	End Sta.	Lt./Rt.	Start Width	End Width	Remarks
324+00	324+50	Rt.	10 ft	20 ft	NB Outside Shoulder
325+50	326+50	Rt.	20 ft	10 ft	NB Outside Shoulder
328+45	329+45	Rt.	12 ft	0 ft	SB Left Turn Lane
328+45	329+45	Rt.	2 ft	4 ft	SB Inside Shoulder
332+45	333+45	Lt.	0 ft	12 ft	NB Left Turn Lane
332+45	333+45	Lt.	4 ft	2 ft	NB Inside Shoulder
345+75	346+75	Rt.	12 ft	0 ft	SB Left Turn Lane
345+75	346+75	Rt.	2 ft	4 ft	SB Inside Shoulder
347+55	348+55	Lt.	0 ft	12 ft	NB Left Turn Lane
347+55	348+55	Lt.	4 ft	2 ft	NB Inside Shoulder
350+50	351+50	Lt.	10 ft	20 ft	SB Outside Shoulder
352+50	353+00	Lt.	20 ft	10 ft	SB Outside Shoulder

These are approximate values, match back to the existing.



**NORTHBOUND MEDIAN U-TURN AND OUTSIDE SHOULDER**

Scale: 3/16"=1'-0"  
Sta. 350+50 to Sta. 353+00  
◊ Varies, See Taper Table

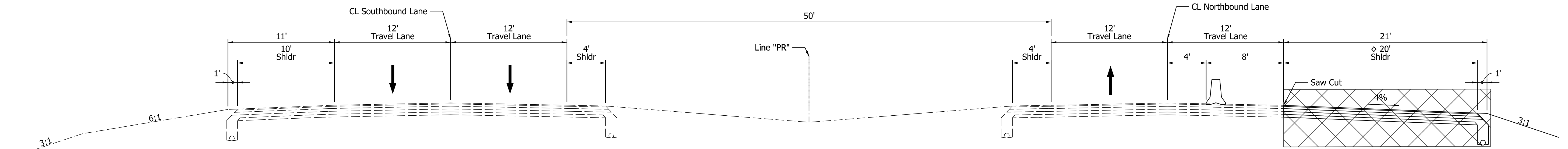


**NORTHBOUND U-TURN SECTION**

Scale: 1"=5'  
Sta. 352+15 to Sta. 353+00

Plot: 1/5/2023 9:40 AM

RECOMMENDED FOR APPROVAL _____ DESIGNED: AKB Dec 2021 CHECKED: MRS Dec 2021	DESIGN ENGINEER _____ DRAWN: AKB Dec 2021 CHECKED: MRS Dec 2021	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE As Noted	BRIDGE FILE N/A
			DESIGNATION 1900249	
TYPICAL CROSS SECTIONS			SHEETS 4 of 54	
			CONTRACT R-42194	PROJECT 1900249005T6

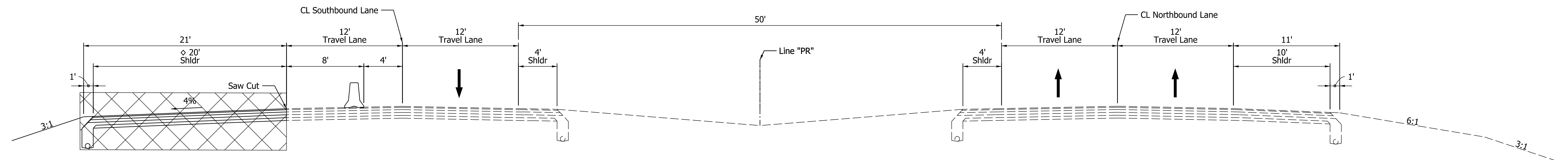


**MOT PHASE 1 - TYPICAL SECTION  
NORTHBOUND OUTSIDE SHOULDER**

Scale: 3/16"=1'-0"

Section Shown at Sta. 324+50

- ◊ Varies 10' at Sta. 324+00 to 20' at Sta. 324+50
- ◊ Varies 20' at Sta. 325+50 to 10' at Sta. 326+50



**MOT PHASE 1 - TYPICAL SECTION  
SOUTHBOUND OUTSIDE SHOULDER**

Scale: 3/16"=1'-0"

Section Shown at Sta. 352+50

- ◊ Varies 10' at Sta. 350+50 to 20' at Sta. 351+50
- ◊ Varies 20' at Sta. 352+50 to 10' at Sta. 353+00

**PHASE 1**

- A. Shift northbound and southbound SR 37 traffic to the inside travel lanes. Intersection with Westley Chapel Rd. / CR 500 S to remain open.
- B. Construct the new full depth outside shoulder loon across from the new median u-turn area.

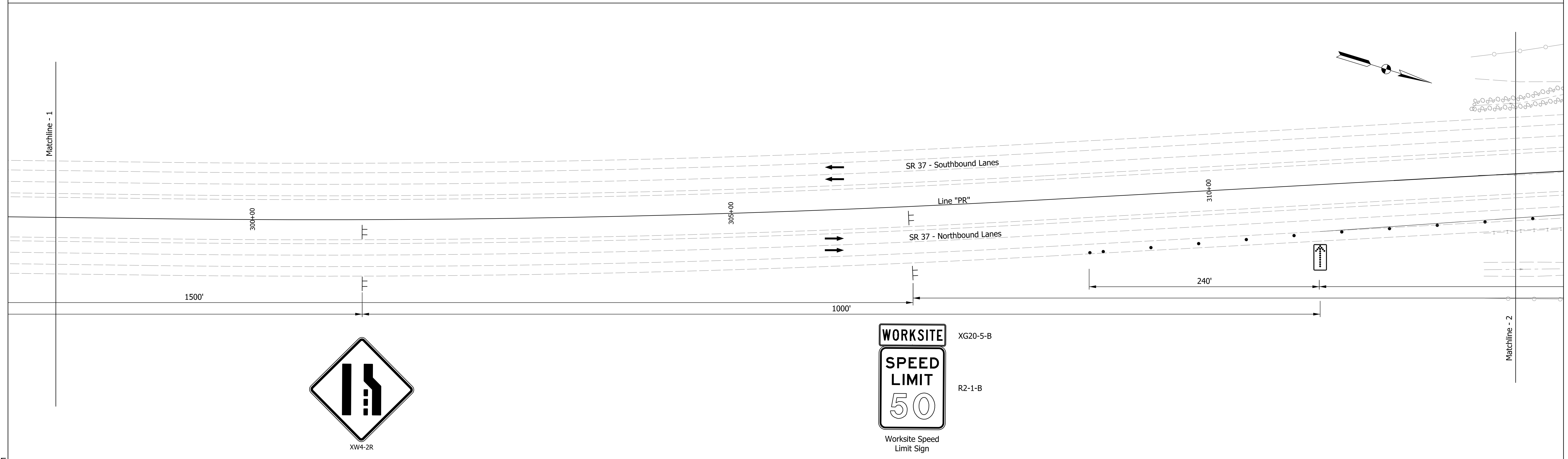
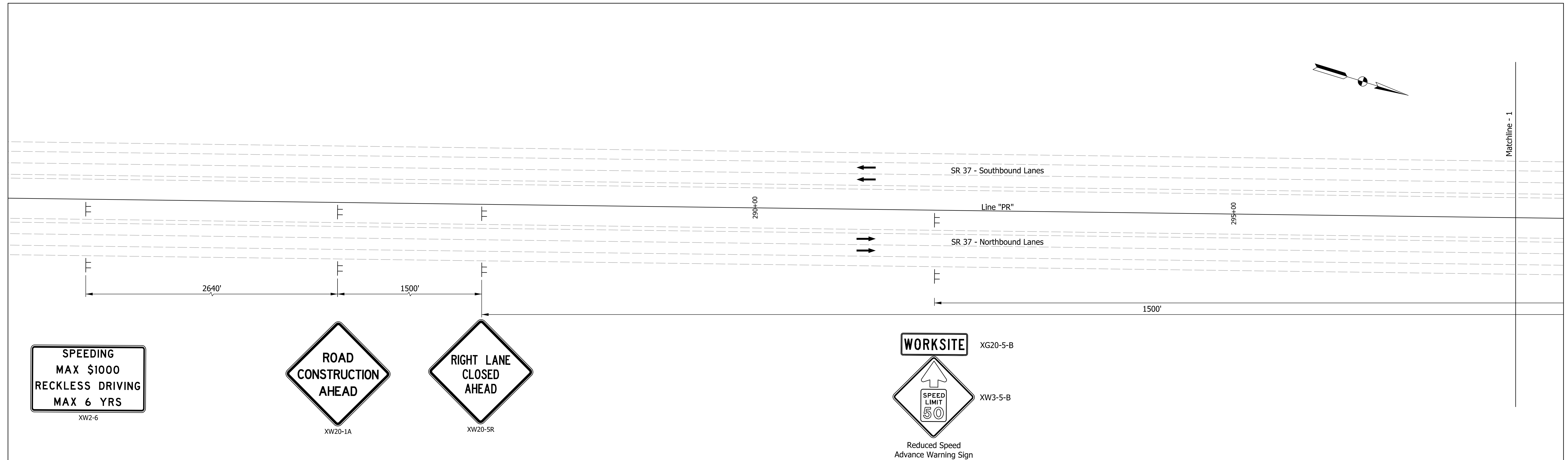
MAINTENANCE OF TRAFFIC SUMMARY OF ITEMS - PHASE 1			
SIGN NUMBER	SIGN MESSAGE (SYMBOL)	CONSTRUCTION SIGN TYPE	QUANTITY
XG20-2	END CONSTRUCTION	A	4 EACH
XW2-6A	WORKSITE ADDED PENALTY	A	4 EACH
XW4-2-A(R)	(RIGHT LANE MERGE LEFT)	A	4 EACH
XW20-1A	ROAD CONSTRUCTION AHEAD	A	6 EACH
XW20-5(R)	RIGHT LANE CLOSED AHEAD	A	4 EACH
TOTAL CONSTRUCTION SIGN TYPE A			22 EACH
TEMPORARY WORKSITE SPEED LIMIT SIGN ASSEMBLY			8 EACH
FLASHING ARROW SIGN			30 DAY
TEMPORARY PAVEMENT MARKING, REMOVABLE, 4 IN.			1440 LFT
TEMPORARY TRAFFIC BARRIER, TYPE 2			932 LFT

Plot: 1/5/2023 9:40 AM

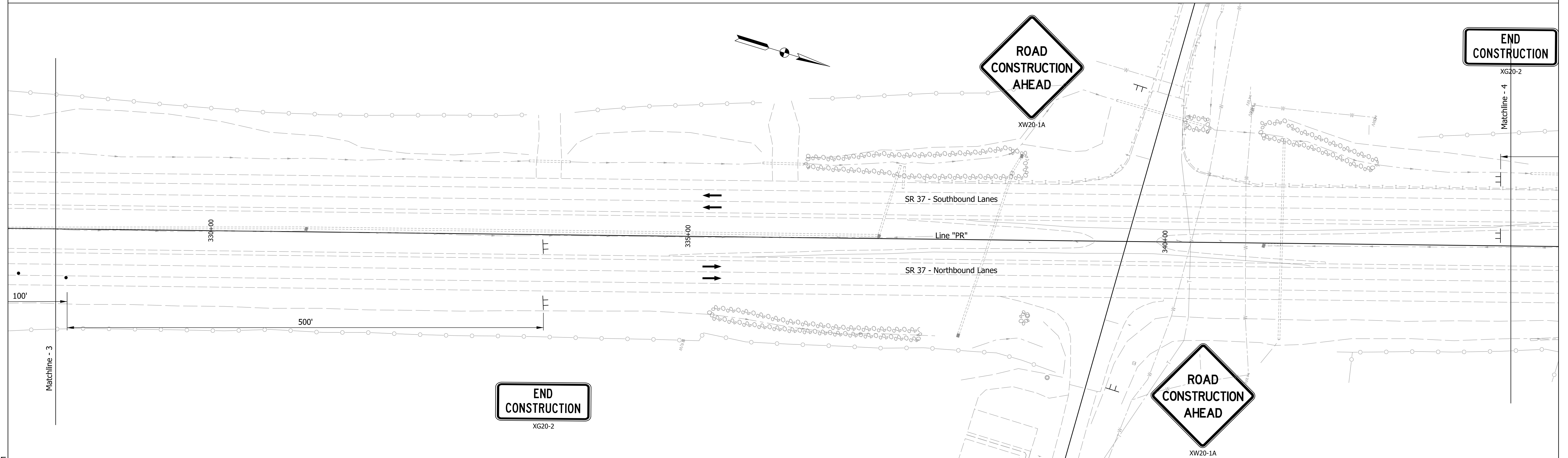
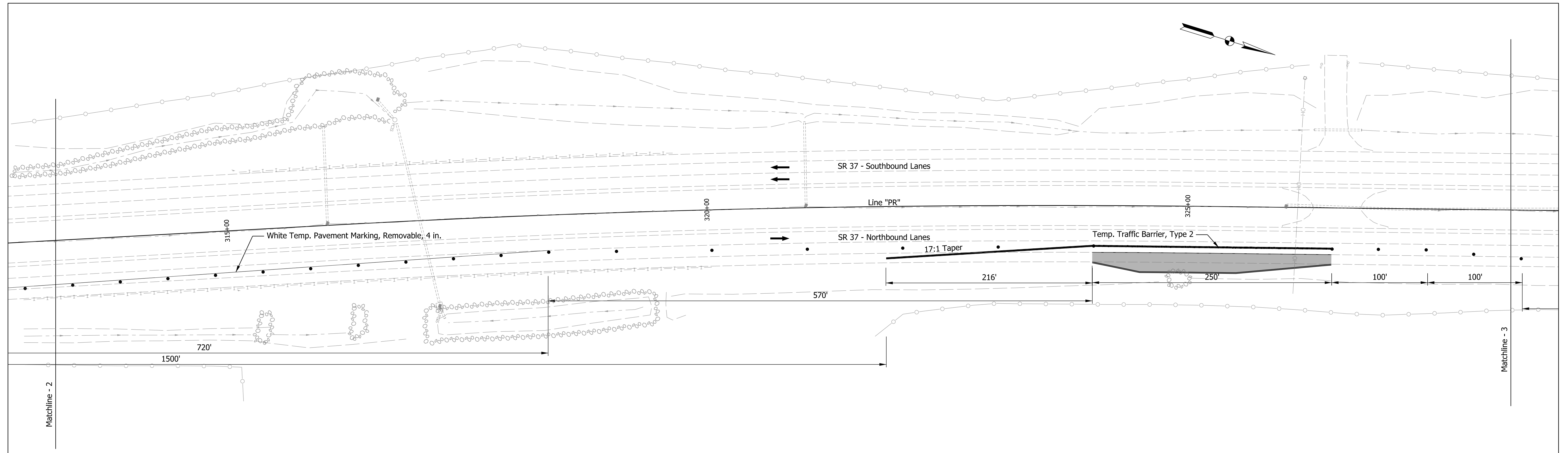
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: AKB	Dec 2021	DRAWN: AKB
Dec 2021	CHECKED: MRS	Dec 2021

INDIANA DEPARTMENT OF TRANSPORTATION	
MAINTENANCE OF TRAFFIC TYPICAL CROSS SECTIONS - PHASE 1	

SCALE	BRIDGE FILE
As Noted	N/A
	DESIGNATION
	1900249
	SHEETS
	5 of 54
CONTRACT	PROJECT
R-42194	1900249005T6

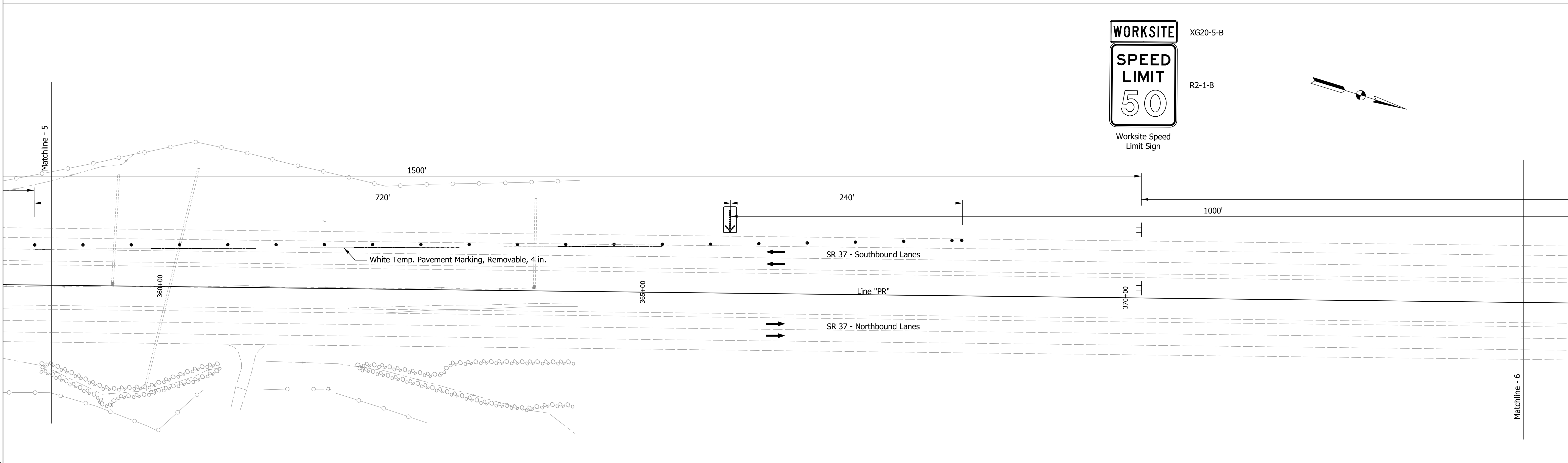
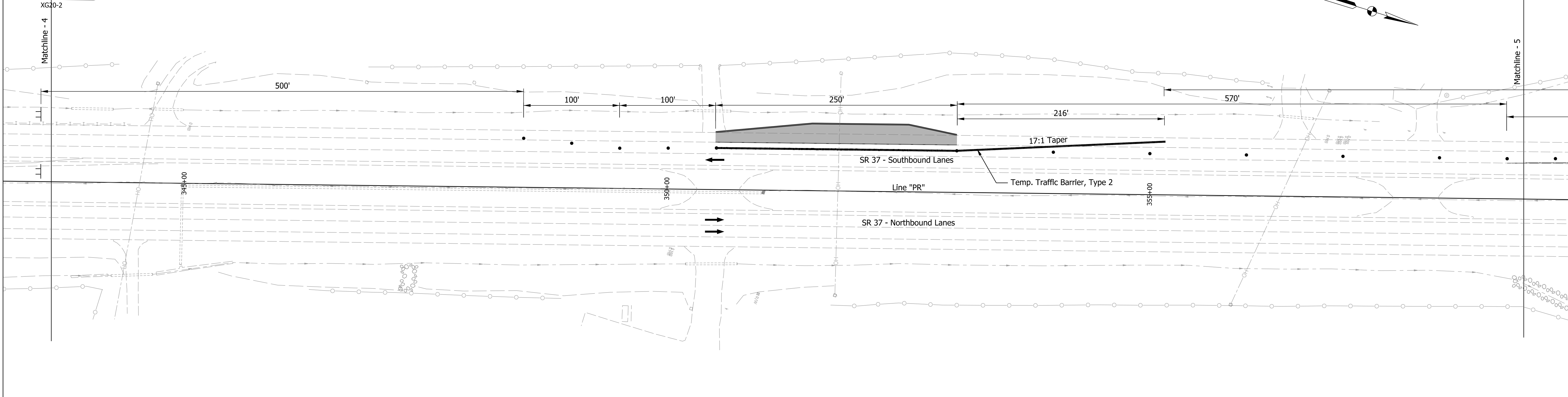


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	DESIGNED: AKB	Dec 2021	DRAWN: AKB		Dec 2021	DESIGNATION 1900249	SHEETS 6 of 54
	CHECKED: MRS	Dec 2021	CHECKED: MRS		Dec 2021	CONTRACT R-42194	PROJECT 1900249005T6



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	DESIGNED: AKB	Dec 2021	DRAWN: AKB	Dec 2021		MAINTENANCE OF TRAFFIC PHASE 1		1" = 50'	N/A
	CHECKED: MRS	Dec 2021	CHECKED: MRS	Dec 2021		SHEETS			DESIGNATION
						SHEET 2			1900249
									7 of 54
								CONTRACT	PROJECT
								R-42194	1900249005T6

**END  
CONSTRUCTION**



XG20-5-B  
R2-1-B

Plot: 1/5/2023 9:41 AM

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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: AKB	Dec 2021	DRAWN:AKB
CHECKED: MRS	Dec 2021	CHECKED: MRS

INDIANA  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC  
PHASE 1

SHEET 3

SCALE	BRIDGE FILE
1" = 50'	N/A
	DESIGNATION
	1900249
	SHEETS
	8 of 54
CONTRACT	PROJECT
R-42194	1900249005T6





XW4-2R

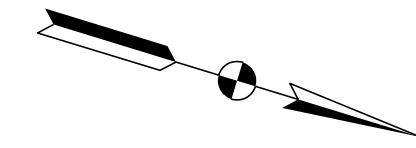
**WORKSITE**

XG20-5-B



XW3-5-B

Reduced Speed Advance Warning Sign



1500'

1500'

SR 37 - Southbound Lanes



Line "PR"

SR 37 - Northbound Lanes



375+00

380+00

385+00

Matchline - 6

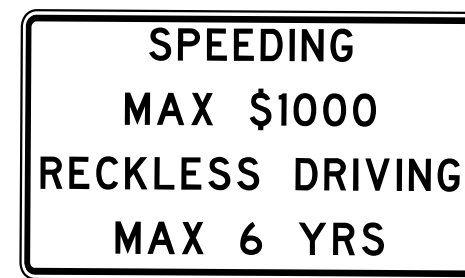
Matchline - 7



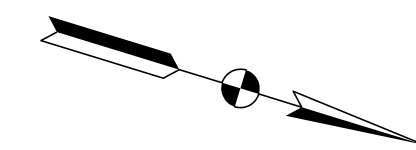
XW20-5R



XW20-1A



XW2-6



1500'

2640'

SR 37 - Southbound Lanes



Line "PR"

SR 37 - Northbound Lanes



Matchline - 7

PLOT: 1/5/2023 9:42 AM

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RECOMMENDED FOR APPROVAL \_\_\_\_\_  
DESIGN ENGINEER DATE

DESIGNED: AKB Dec 2021 DRAWN: AKB Dec 2021

CHECKED: MRS Dec 2021 CHECKED: MRS Dec 2021

INDIANA DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PHASE 1

SHEET 4

SCALE BRIDGE FILE

1" = 50' N/A

DESIGNATION

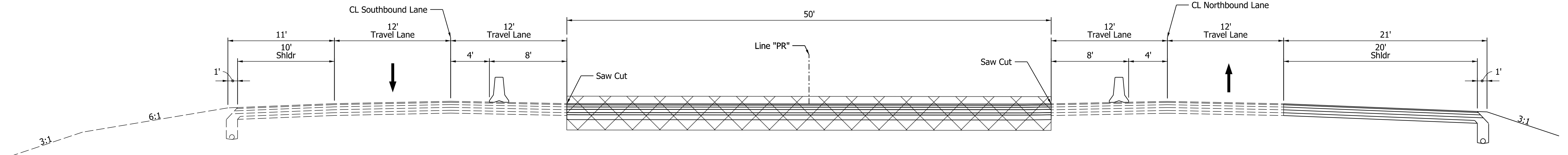
1900249

SHEETS

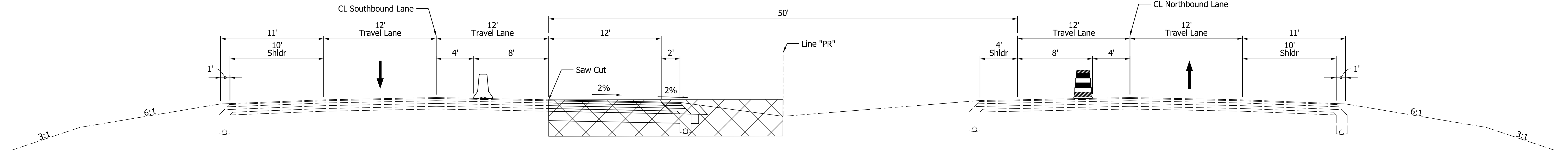
9 of 54

CONTRACT PROJECT

R-42194 1900249005T6



**MOT PHASE 2 - TYPICAL SECTION  
SOUTHBOUND MEDIAN U-TURN**  
Scale: 3/16"=1'-0"  
Section Shown at Sta. 324+50



**MOT PHASE 2 - TYPICAL SECTION  
SOUTHBOUND U-TURN LANE**  
Scale: 3/16"=1'-0"  
Sta. 324+75 to Sta. 329+45

**PHASE 2**

- A. Shift northbound and southbound SR 37 traffic to the outside travel lanes. Intersection with Westley Chapel Rd. / CR 500 S to remain open.
- B. Construct the new northbound and southbound u-turn auxiliary lanes and median u-turn areas in the SR 37 median.

**MAINTENANCE OF TRAFFIC  
SUMMARY OF ITEMS - PHASE 2**

SIGN NUMBER	SIGN MESSAGE (SYMBOL)	CONSTRUCTION SIGN TYPE	QUANTITY
R-3-7(L)	LEFT LANE MUST TURN LEFT	A	4 EACH
XG20-2	END CONSTRUCTION	A	4 EACH
XW2-6A	WORKSITE ADDED PENALTY	A	4 EACH
XW4-2-A(L)	(LEFT LANE MERGE RIGHT)	A	4 EACH
XW20-1A	ROAD CONSTRUCTION AHEAD	A	6 EACH
XW20-5(L)	LEFT LANE CLOSED AHEAD	A	4 EACH
TOTAL CONSTRUCTION SIGN TYPE A			26 EACH
TEMPORARY WORKSITE SPEED LIMIT SIGN ASSEMBLY			8 EACH
FLASHING ARROW SIGN			30 DAY
TEMPORARY PAVEMENT MARKING, REMOVABLE, 4 IN.			1440 LFT
TEMP. PVMNT MARKING, REMOVABLE, LANE INDICATION ARROW			2 EACH
TEMPORARY TRAFFIC BARRIER, TYPE 2			2532 LFT

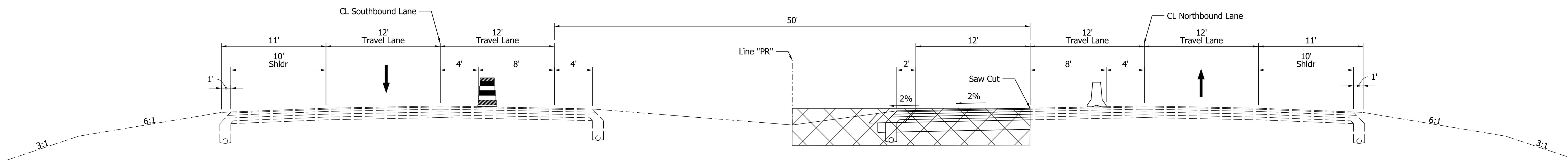
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: AKB	Dec 2021	DRAWN: AKB
CHECKED: MRS	Dec 2021	CHECKED: MRS

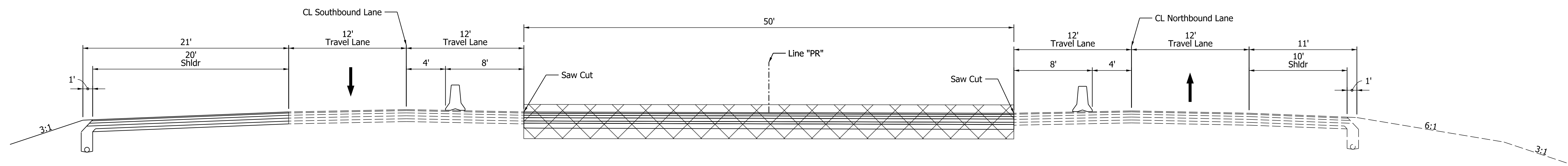
INDIANA  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC  
TYPICAL CROSS SECTIONS - PHASE 2

SCALE	BRIDGE FILE
As Noted	N/A
	DESIGNATION
	1900249
	SHEETS
	10 of 54
CONTRACT	PROJECT
R-42194	1900249005T6



**MOT PHASE 2 - TYPICAL SECTION  
NORTHBOUND U-TURN LANE**  
Scale: 3/16"=1'-0"  
Sta. 347+55 to Sta. 352+25



**MOT PHASE 2 - TYPICAL SECTION  
NORTHBOUND MEDIAN U-TURN**  
Scale: 3/16"=1'-0"  
Section Shown at Sta. 352+50

**PHASE 2**

- A. Shift northbound and southbound SR 37 traffic to the outside travel lanes. Intersection with Westley Chapel Rd. / CR 500 S to remain open.
- B. Construct the new northbound and southbound u-turn auxiliary lanes and median u-turn areas in the SR 37 median.

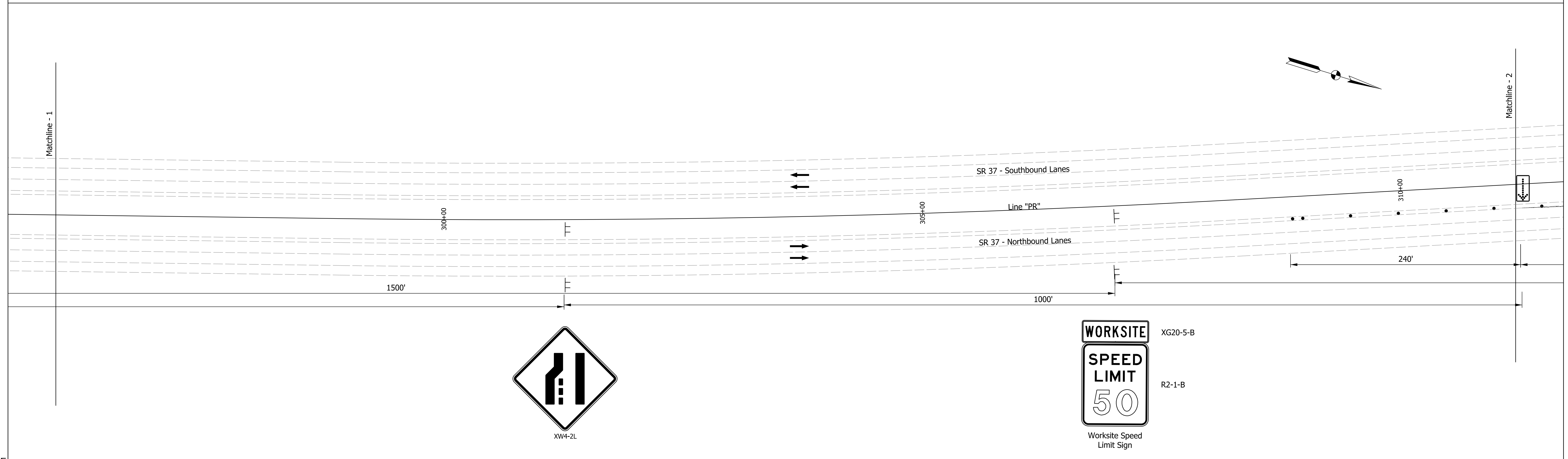
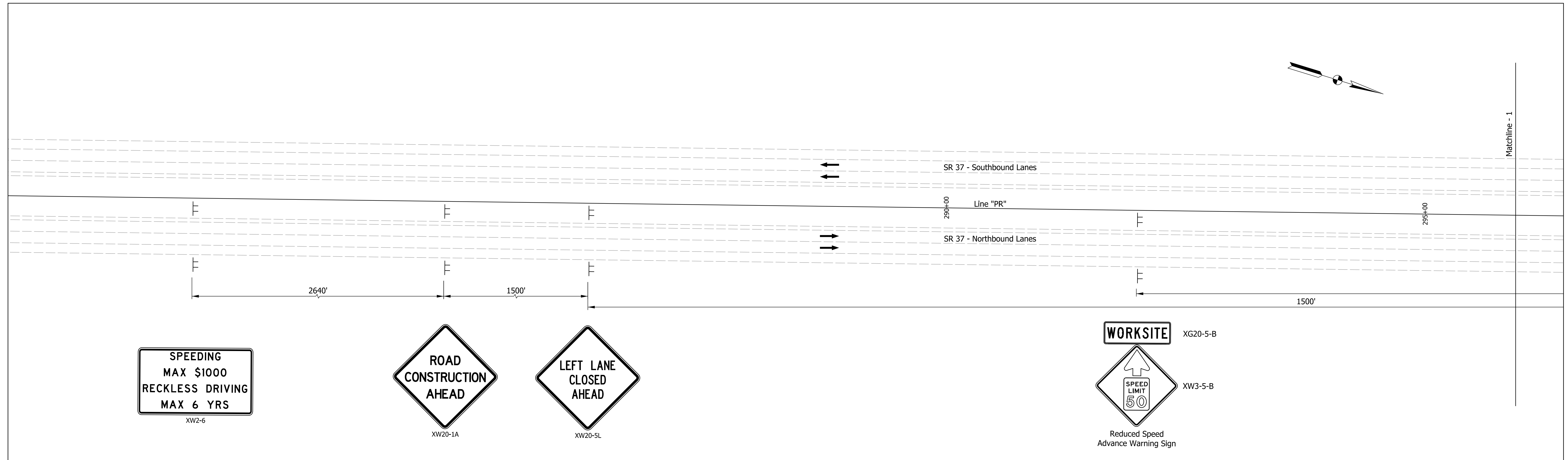
Plot: 1/5/2023 9:42 AM

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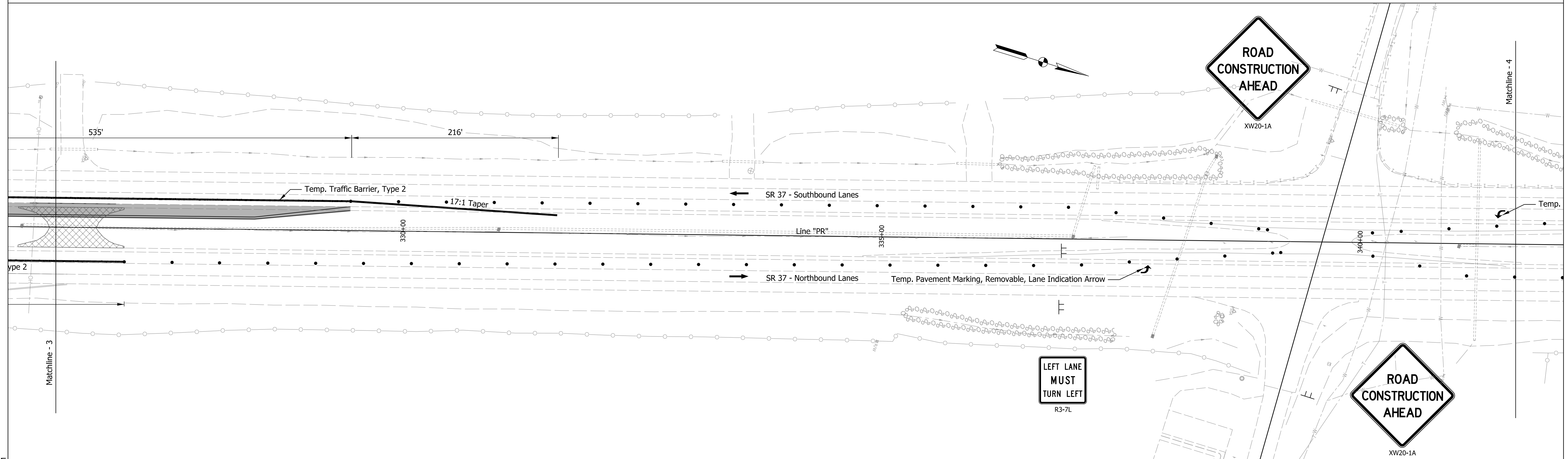
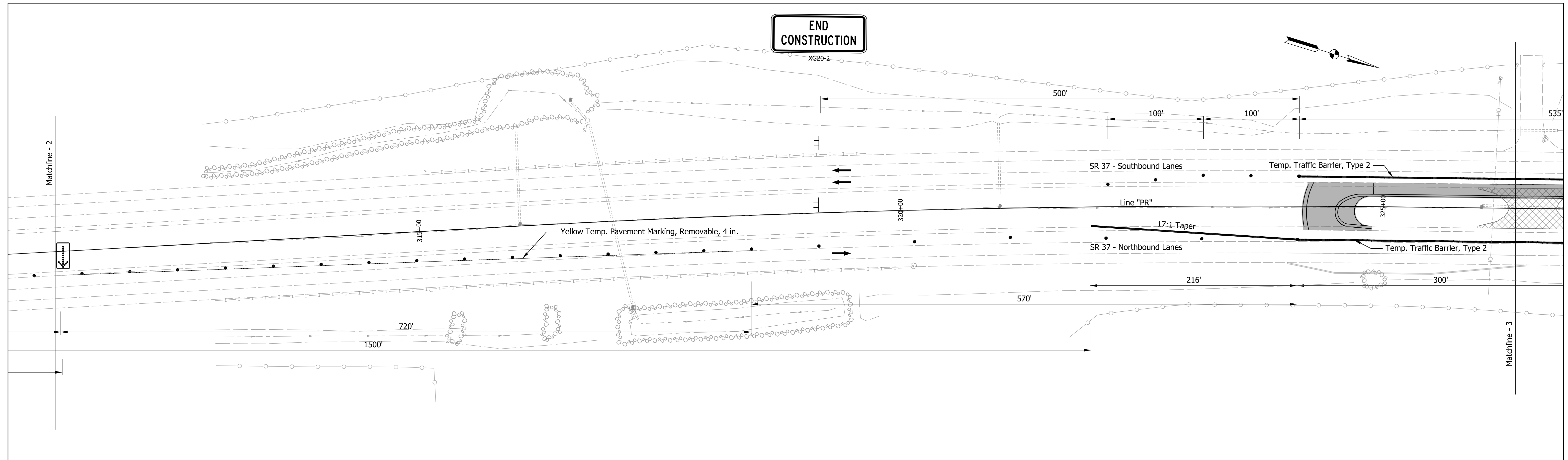
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DESIGNED: AKB	Dec 2021	DRAWN: AKB
CHECKED: MRS	Dec 2021	CHECKED: MRS

INDIANA DEPARTMENT OF TRANSPORTATION	
MAINTENANCE OF TRAFFIC TYPICAL CROSS SECTIONS - PHASE 2	

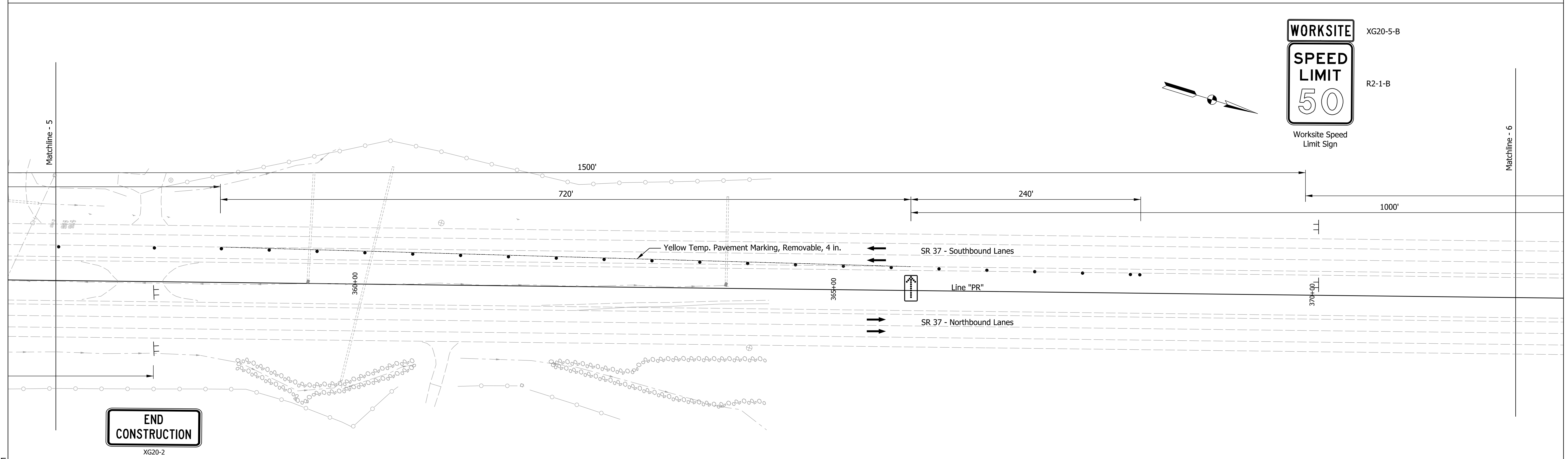
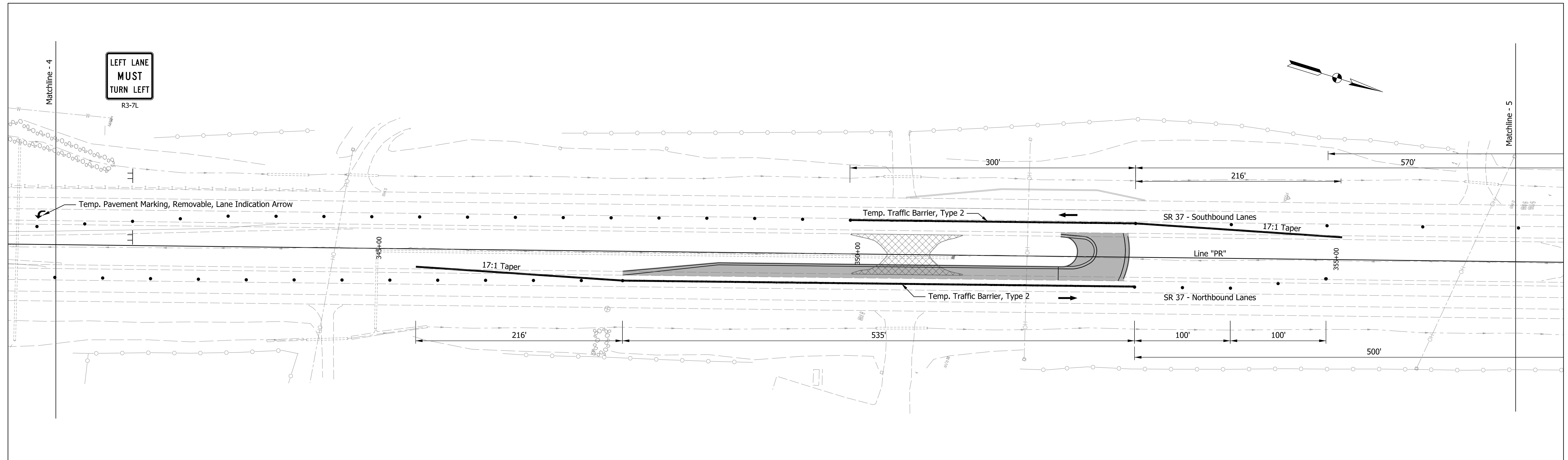
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As Noted	N/A
	DESIGNATION
	1900249
	SHEETS
	11 of 54
CONTRACT	PROJECT
R-42194	1900249005T6



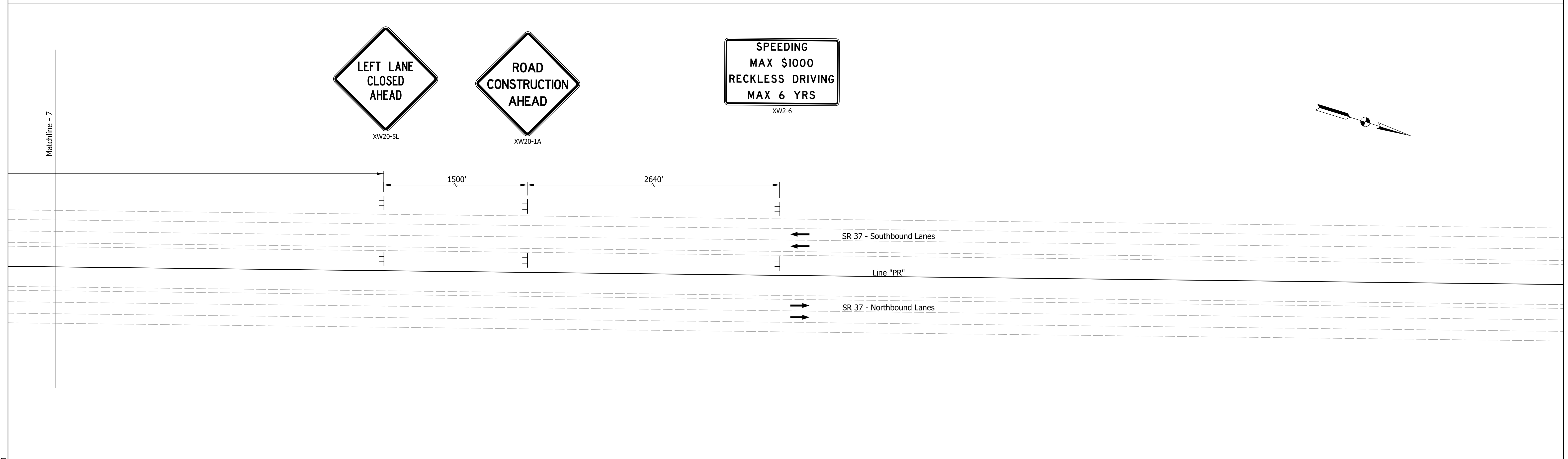
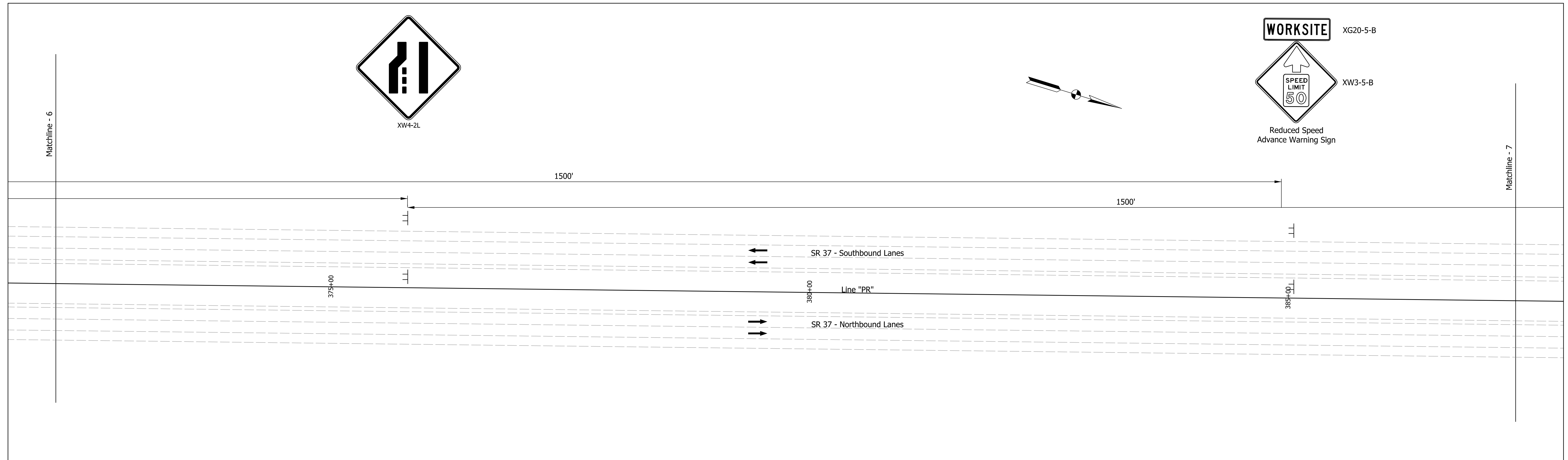
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						12 of 54	
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					R-42194	1900249005T6	



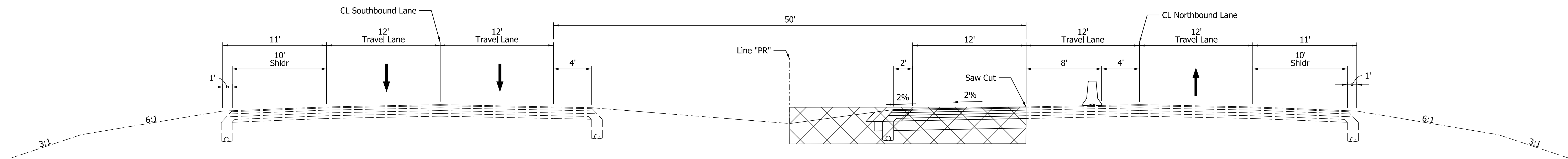
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								R-42194	13 of 54
									PROJECT
									1900249005T6



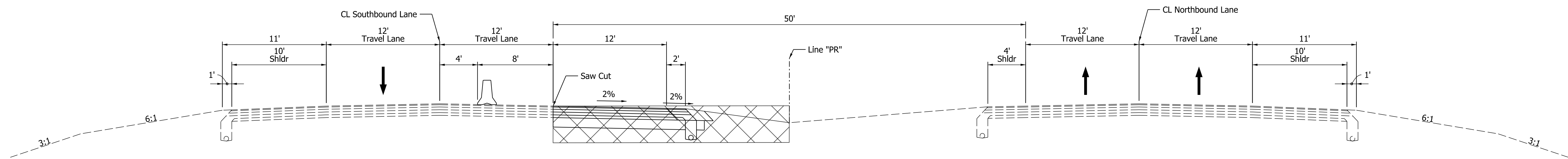
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Plot: 1/5/2023 9:43 AM File: pw:\indot-pw.bentley.com\indot-pw-01\Documents\Incennes\1900249\Design\MS\Sht MOT Ph2_50_4.dgn Model:RD_Detail Sheet	RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____		INDIANA DEPARTMENT OF TRANSPORTATION  MAINTENANCE OF TRAFFIC PHASE 2  SHEET 4	SCALE 1" = 50'	BRIDGE FILE N/A
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	CHECKED: MRS Dec 2021	CHECKED: MRS Dec 2021				CONTRACT R-42194	
						PROJECT 1900249005T6	



**MOT PHASE 3 - TYPICAL SECTION  
NORTHBOUND LEFT TURN LANE**  
Scale: 3/16"=1'-0"  
Sta. 332+45 to Sta. 337+75



**MOT PHASE 3 - TYPICAL SECTION  
SOUTHBOUND LEFT TURN LANE**  
Scale: 3/16"=1'-0"  
Sta. 341+45 to Sta. 346+75

**PHASE 3**

- A. SR 37 intersection with Westley Chapel Rd. / CR 500 S to be closed. Maintain northbound and southbound SR 37 traffic in the outside travel lanes. Westley Chapel Rd. / CR 500 S thru traffic, Westley Chapel Rd. / CR 500 S left turns on to SR 37, and SR 37 left turns on to Westley Chapel Rd. / CR 500 S will need to utilize the new u-turn auxillary lanes and median u-turn areas.
- B. Construct the new intersection of SR 37 and Westley Chapel Rd. / CR 500 S.
- C. Construct the corrugated islands on eastbound and westbound Westley Chapel Rd. / CR 500 S.
- D. Install final permanent pavement markings and signage.

MAINTENANCE OF TRAFFIC SUMMARY OF ITEMS - PHASE 3			
SIGN NUMBER	SIGN MESSAGE (SYMBOL)	CONSTRUCTION SIGN TYPE	QUANTITY
R3-2	NO LEFT TURN	A	2 EACH
XG20-2	END CONSTRUCTION	A	4 EACH
XW2-6A	WORKSITE ADDED PENALTY	A	4 EACH
XW4-2-A(L)	(LEFT LANE MERGE RIGHT)	A	4 EACH
XW20-1A	ROAD CONSTRUCTION AHEAD	A	6 EACH
XW20-5(L)	LEFT LANE CLOSED AHEAD	A	4 EACH
TOTAL CONSTRUCTION SIGN TYPE A			24 EACH
TEMPORARY WORKSITE SPEED LIMIT SIGN ASSEMBLY			8 EACH
FLASHING ARROW SIGN			30 DAY
TEMPORARY PAVEMENT MARKING, REMOVABLE, 4 IN.			1440 LFT
TEMPORARY TRAFFIC BARRIER, TYPE 2			1952 LFT

Plot: 1/5/2023 9:43 AM

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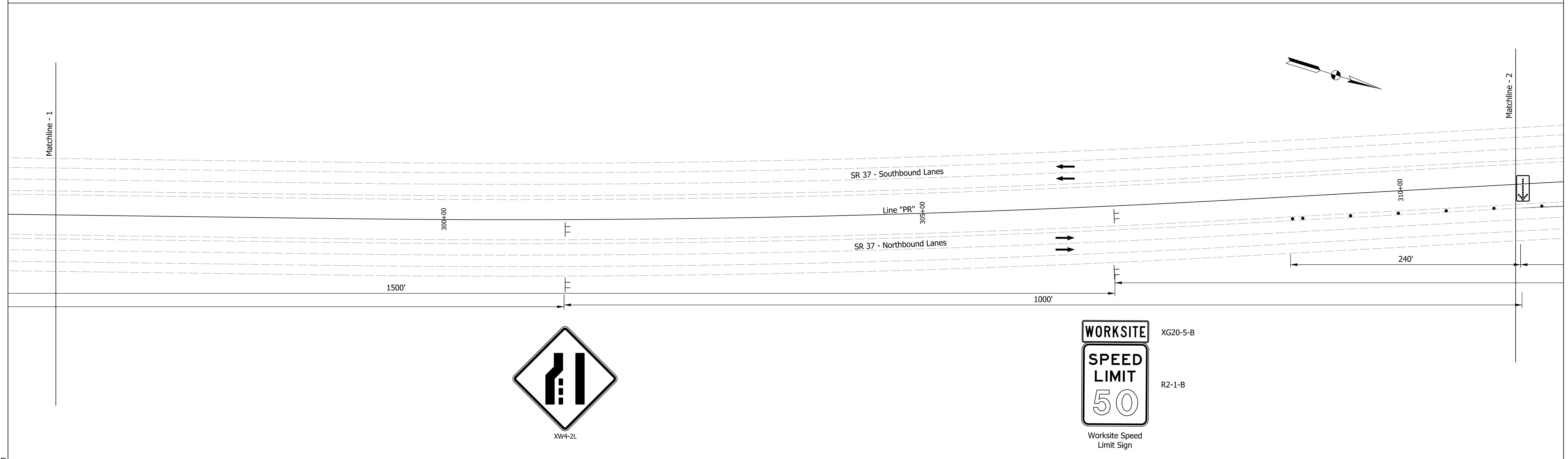
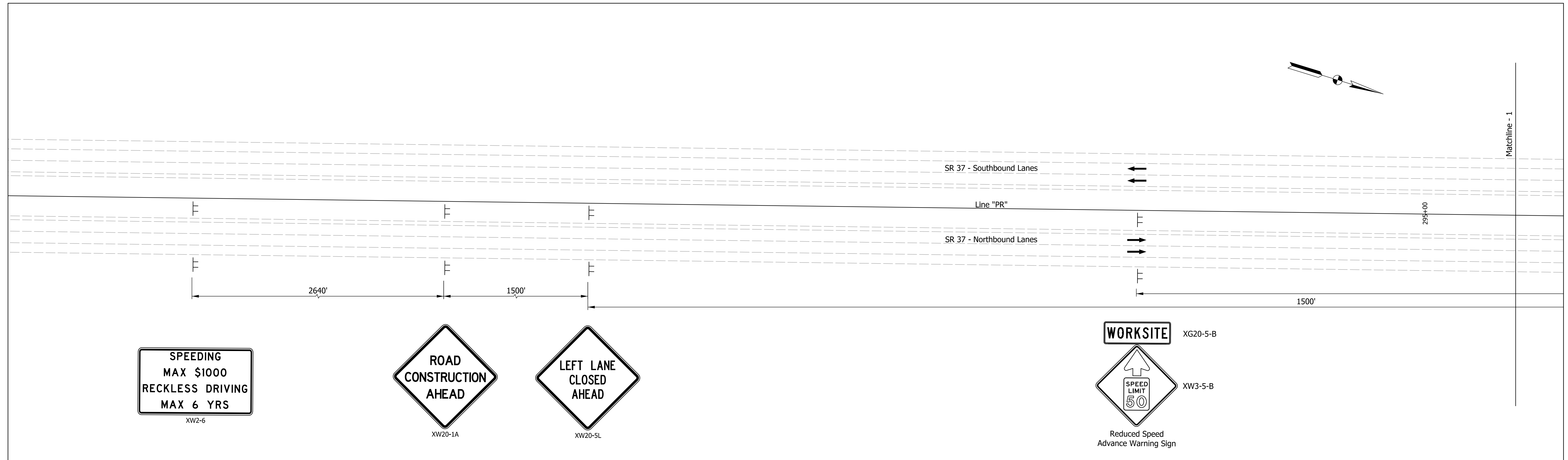
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CHECKED: MRS	Dec 2021	CHECKED: MRS
	Dec 2021	

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

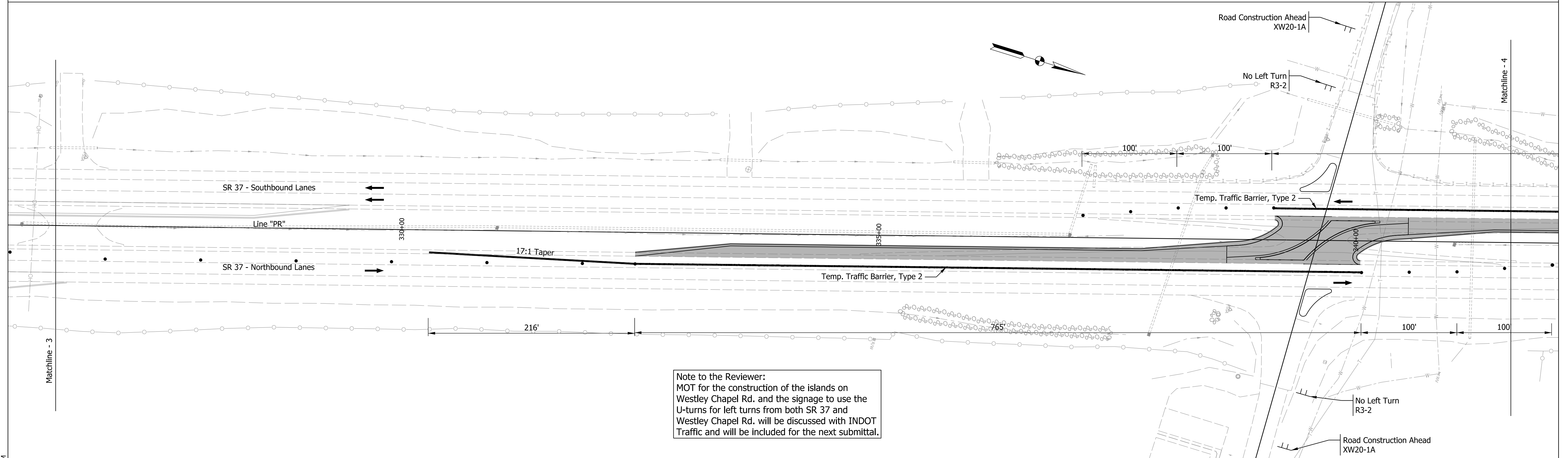
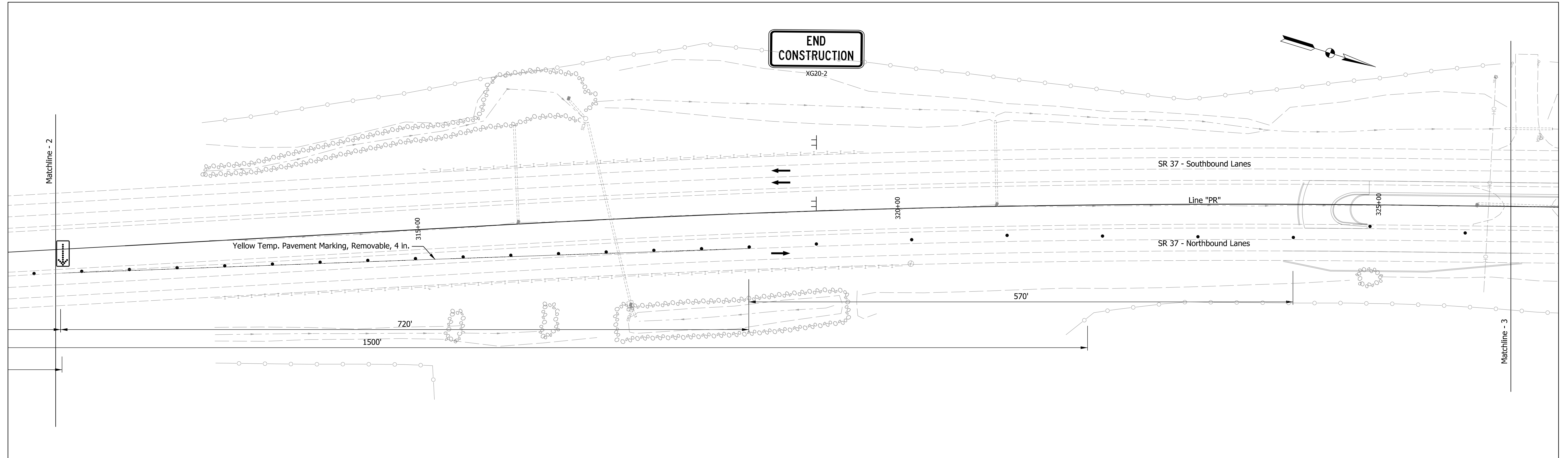
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TYPICAL CROSS SECTIONS - PHASE 3**

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As Noted	N/A
	DESIGNATION
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	16 of 54
CONTRACT	PROJECT
R-42194	1900249005T6

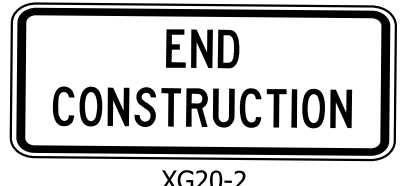
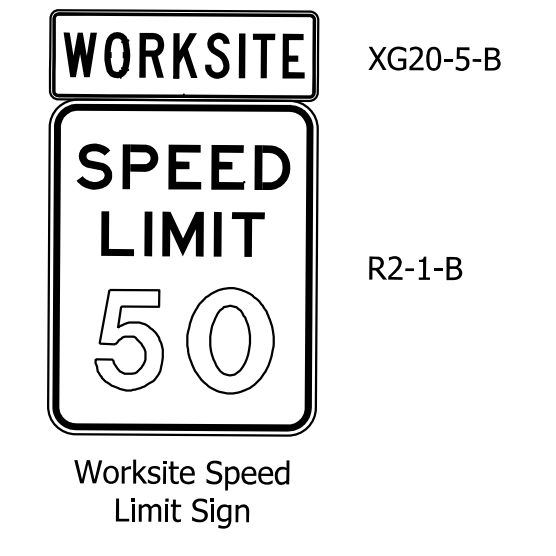
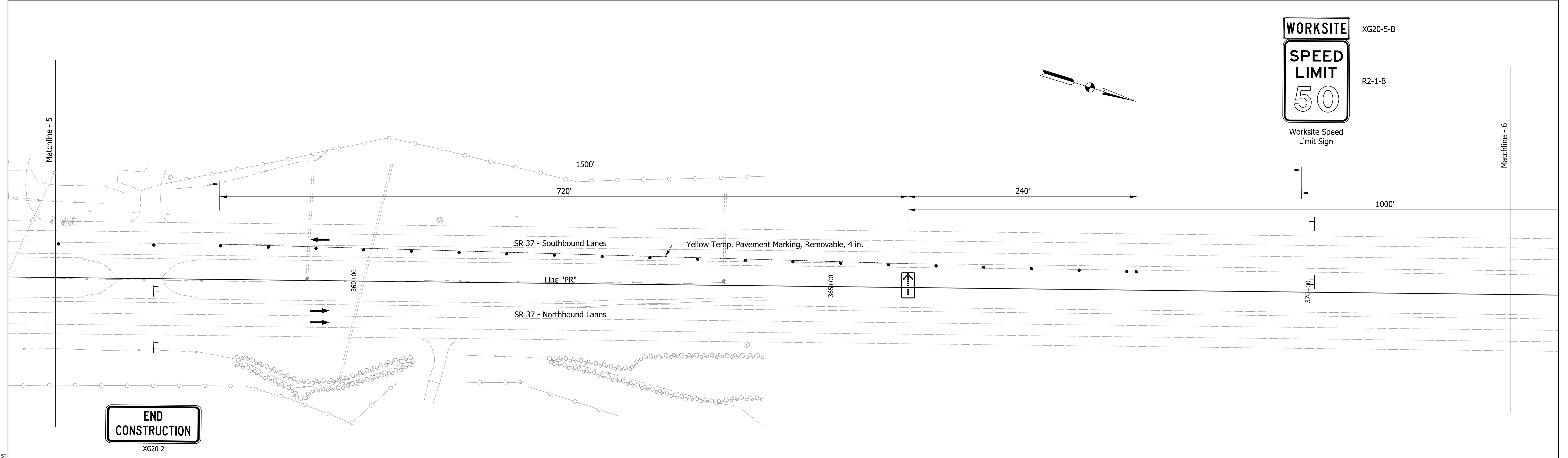
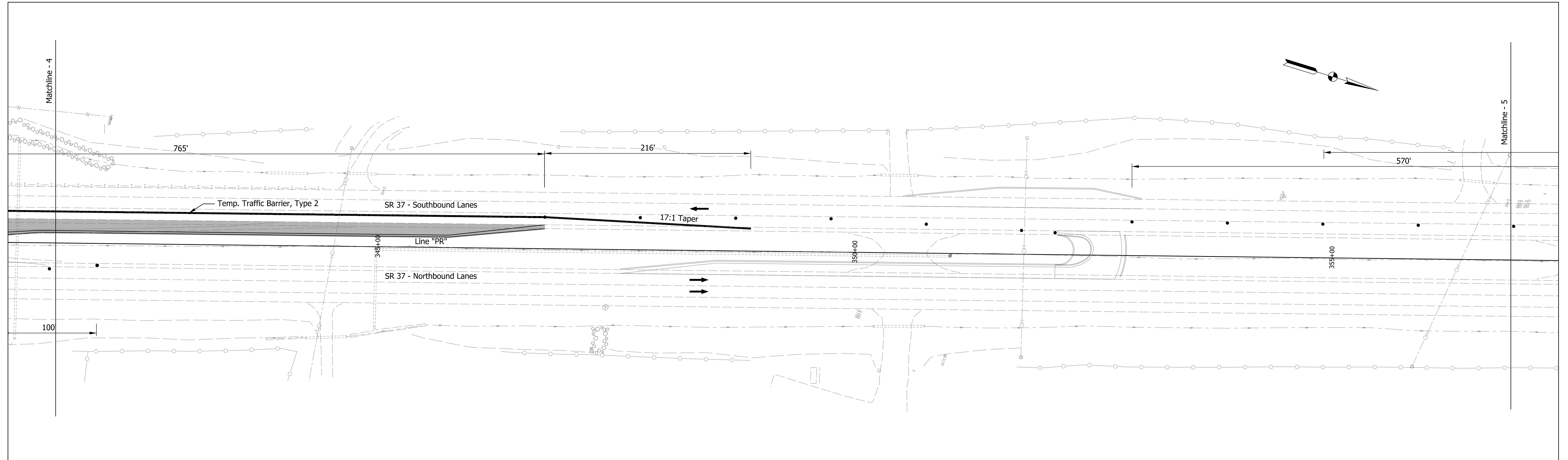




RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION  MAINTENANCE OF TRAFFIC PHASE 3		SCALE	BRIDGE FILE
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DESIGNED: AKB Dec 2021 CHECKED: MRS Dec 2021	DRAWN: AKB Dec 2021 CHECKED: MRS Dec 2021	SHEETS 17 of 54 PROJECT 1900249005T6	1900249	
CONTRACT R-42194			SHEETS 17 of 54	
PROJECT 1900249005T6			SHEETS 17 of 54	



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						SHEETS 18 of 54	
					CONTRACT R-42194	PROJECT 1900249005T6	



Plot: 1/5/2023 9:44 AM

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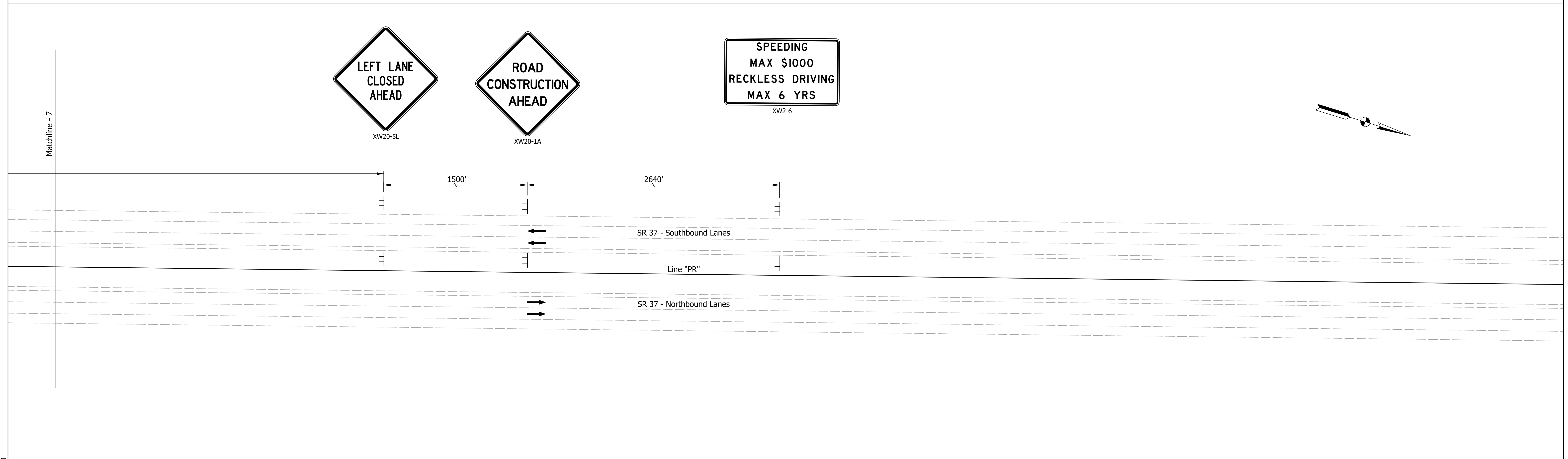
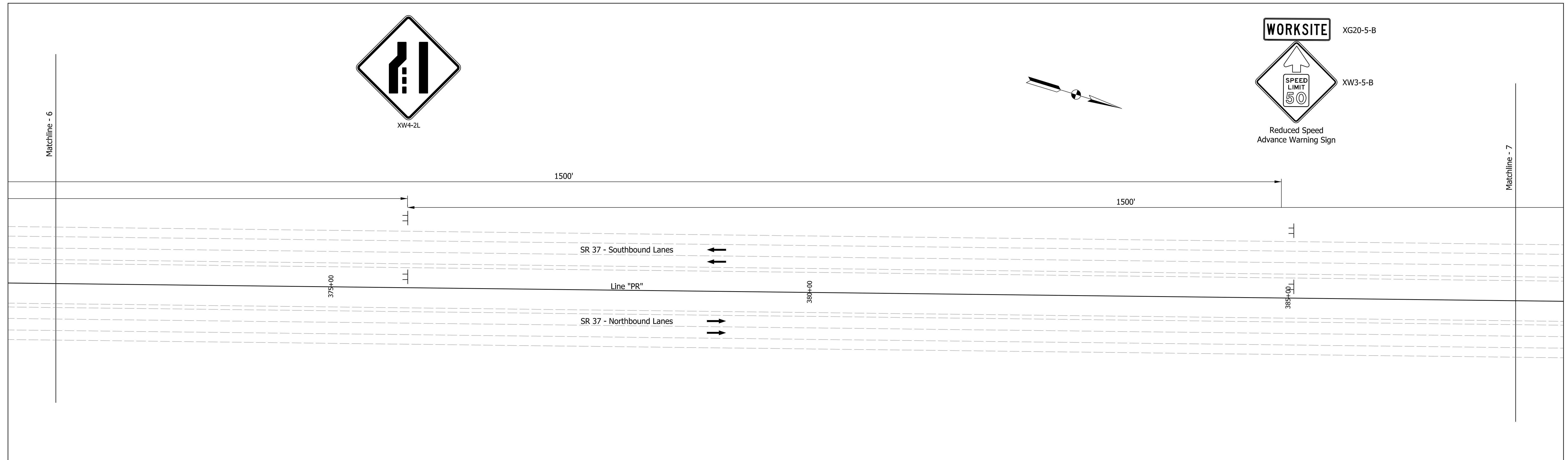
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CHECKED: MRS	Dec 2021	CHECKED: MRS

INDIANA  
DEPARTMENT OF TRANSPORTATION

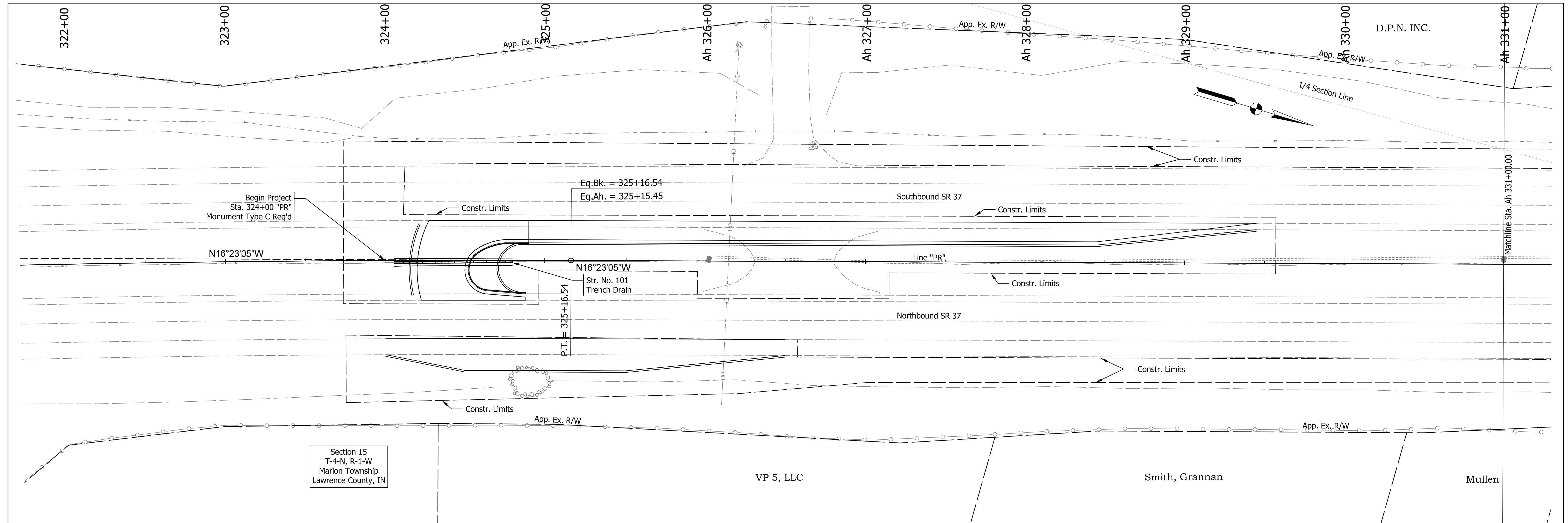
MAINTENANCE OF TRAFFIC  
PHASE 3

SHEET 3

SCALE 1" = 50'	BRIDGE FILE N/A
	DESIGNATION 1900249
	SHEETS 19 of 54
CONTRACT R-42194	PROJECT 1900249005T6

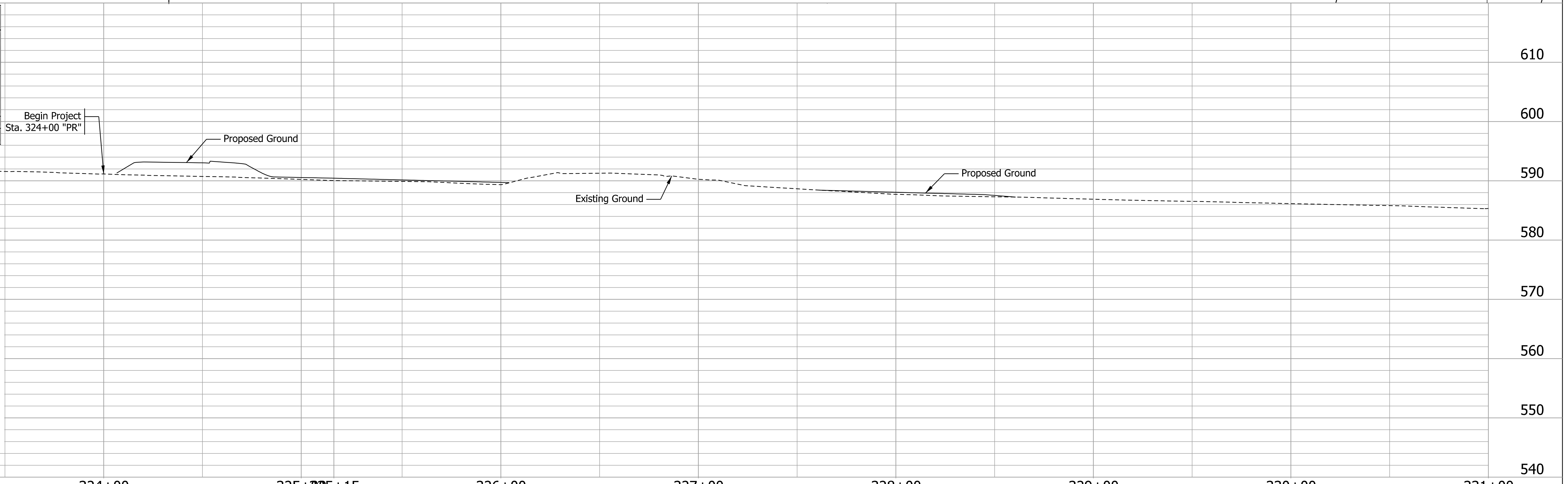


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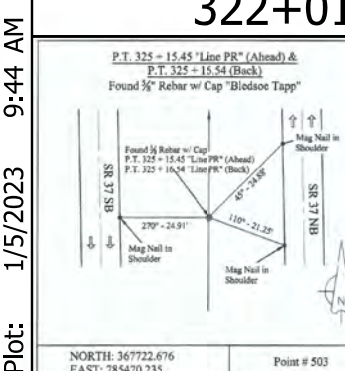


Section 15  
T-4-N, R-1-W  
Marion Township  
Lawrence County, IN

EARTHWORK SUMMARY	
Cut (cys)	3130
Benching (cys)	0
<b>Unclassified Excavation (cys)</b>	<b>3130</b>
Fill (cys)	299
Fill + 30% (cys)	389
Fill for Ex. Median Crossover Removal (cys)	217
<b>Waste (cys)</b>	<b>2524</b>
Note: No direct payment is made for benching.	



BENCHMARK INFORMATION	
TBM #1: Boat Spike in PWP, Ah Sta. 326+19.60 "PR", 135.56 Lt., Elev. 601.44.	
TBM #2: South Bolt on Fire Hydrant, Ah Sta. 342+19.15 "PR", 130.68 Lt., Elev. 593.65.	
CP #300: Set 5/8" Rebar with Cap, Ah Sta. 338+69.30 "PR", 73.68 Rt., Elev. 585.74.	
CP #301: Set 5/8" Rebar with Cap, Ah Sta. 339+69.71 "PR", 105.77 Lt., Elev. 585.84.	
CP #302: Set 5/8" Rebar with Cap, Ah Sta. 326+68.43 "PR", 71.86 Lt., Elev. 591.34.	
CP #303: Set 5/8" Rebar with Cap, Ah Sta. 354+49.44 "PR", 63.71 Lt., Elev. 597.59.	



Plot: 1/5/2023 9:44 AM

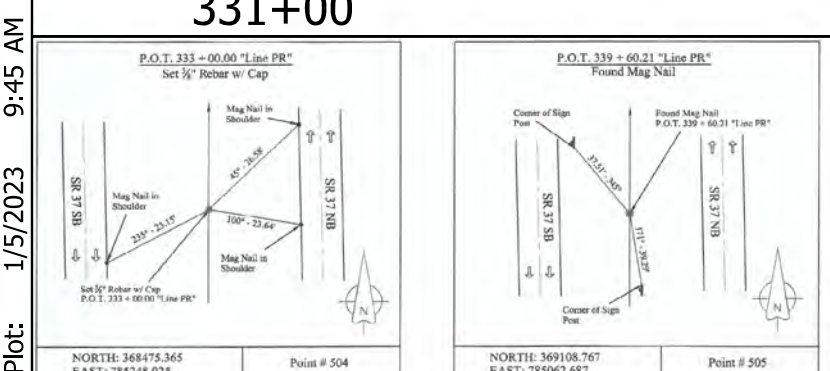
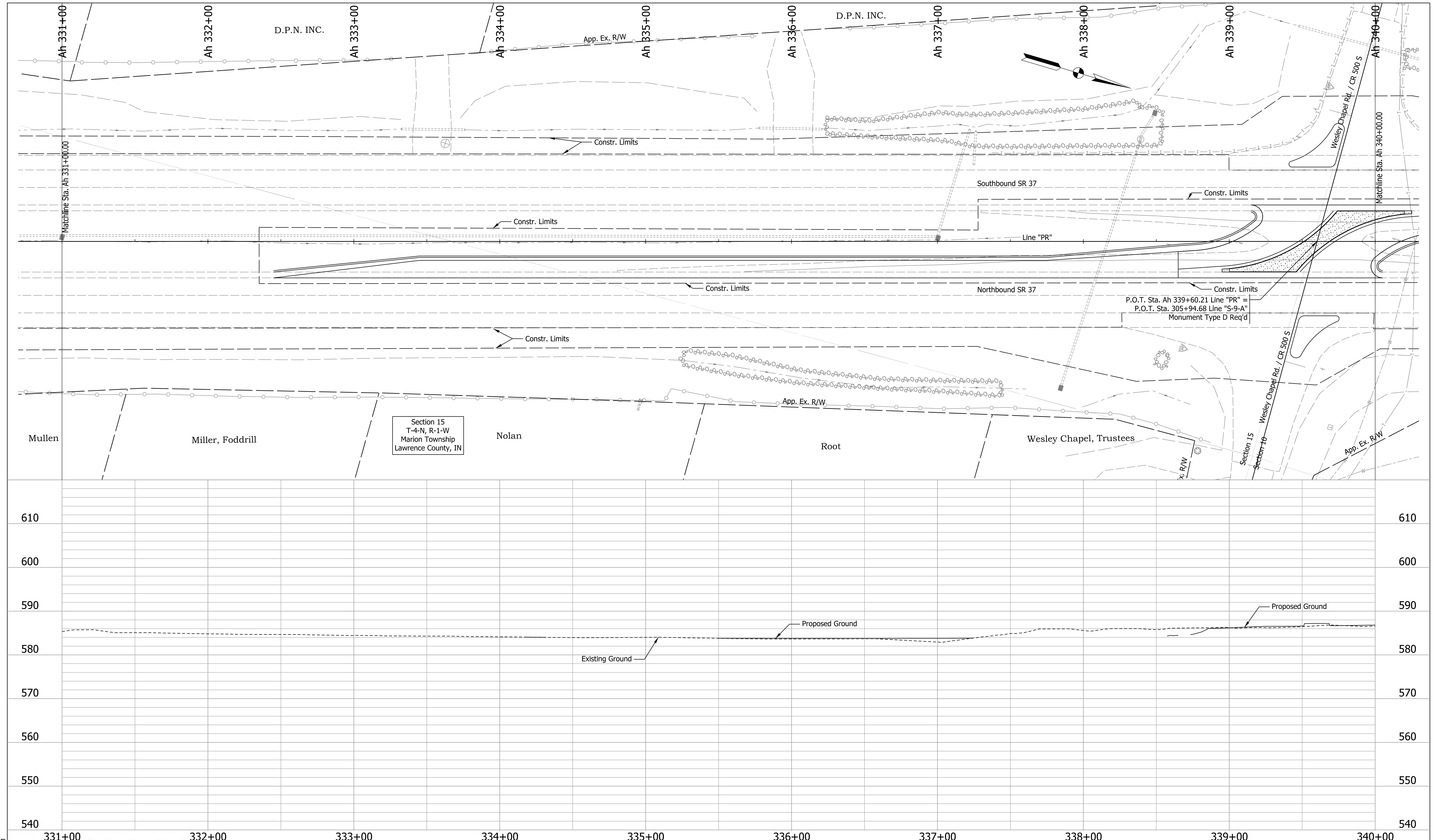
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DESIGNED: AKB	Dec 2021	DRAWN: AKB
CHECKED: MRS	Dec 2021	CHECKED: MRS

INDIANA  
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE  
LINE "PR"

SCALE H: 1" = 30'; V: 1" = 10'	BRIDGE FILE N/A
	DESIGNATION 1900249
	SHEETS 21 of 54
CONTRACT R-42194	PROJECT 1900249005T6



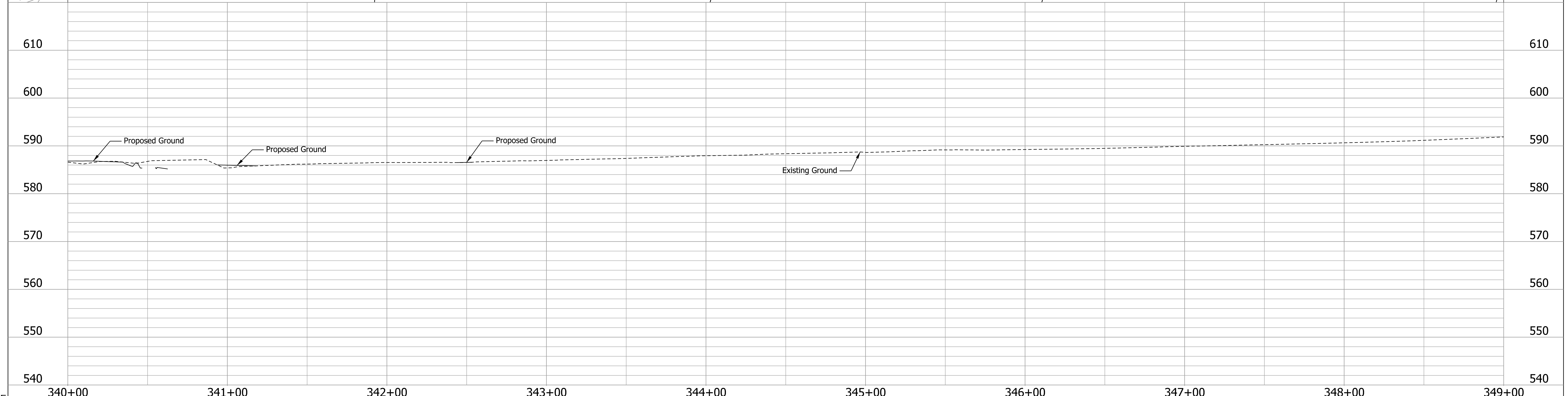
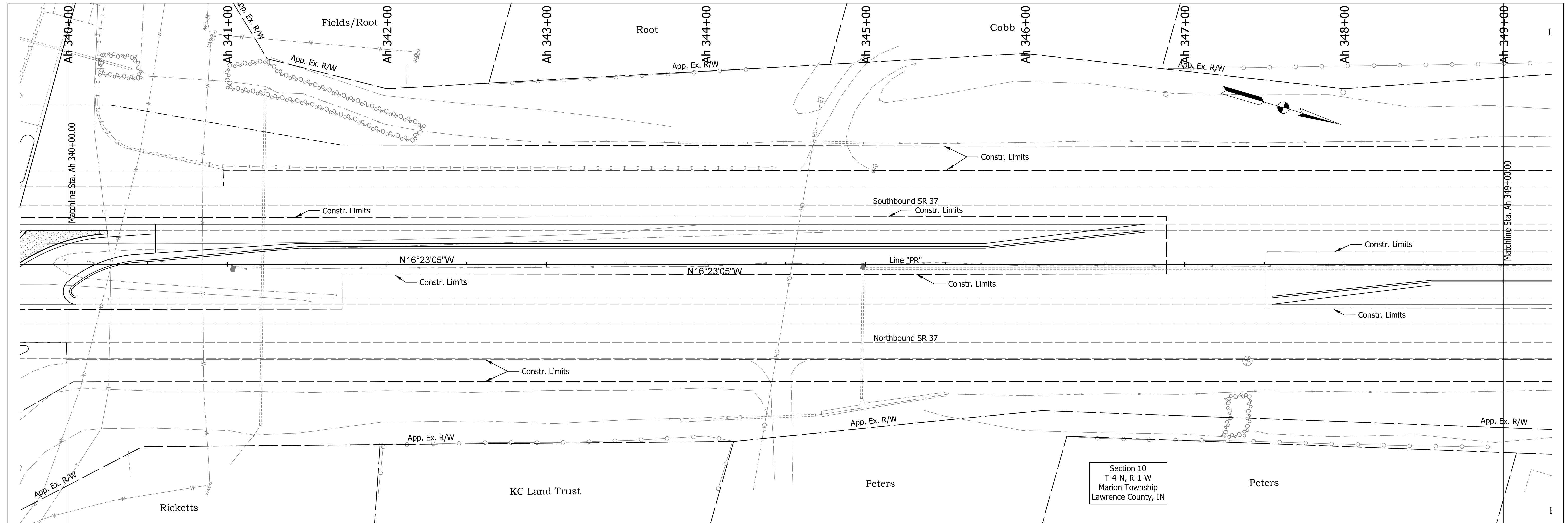
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INDIANA  
DEPARTMENT OF TRANSPORTATION

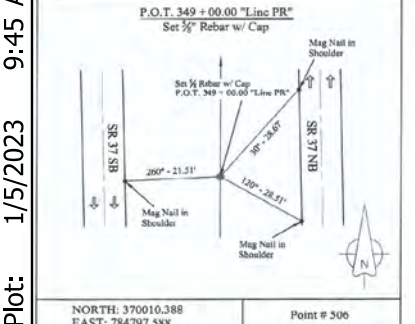
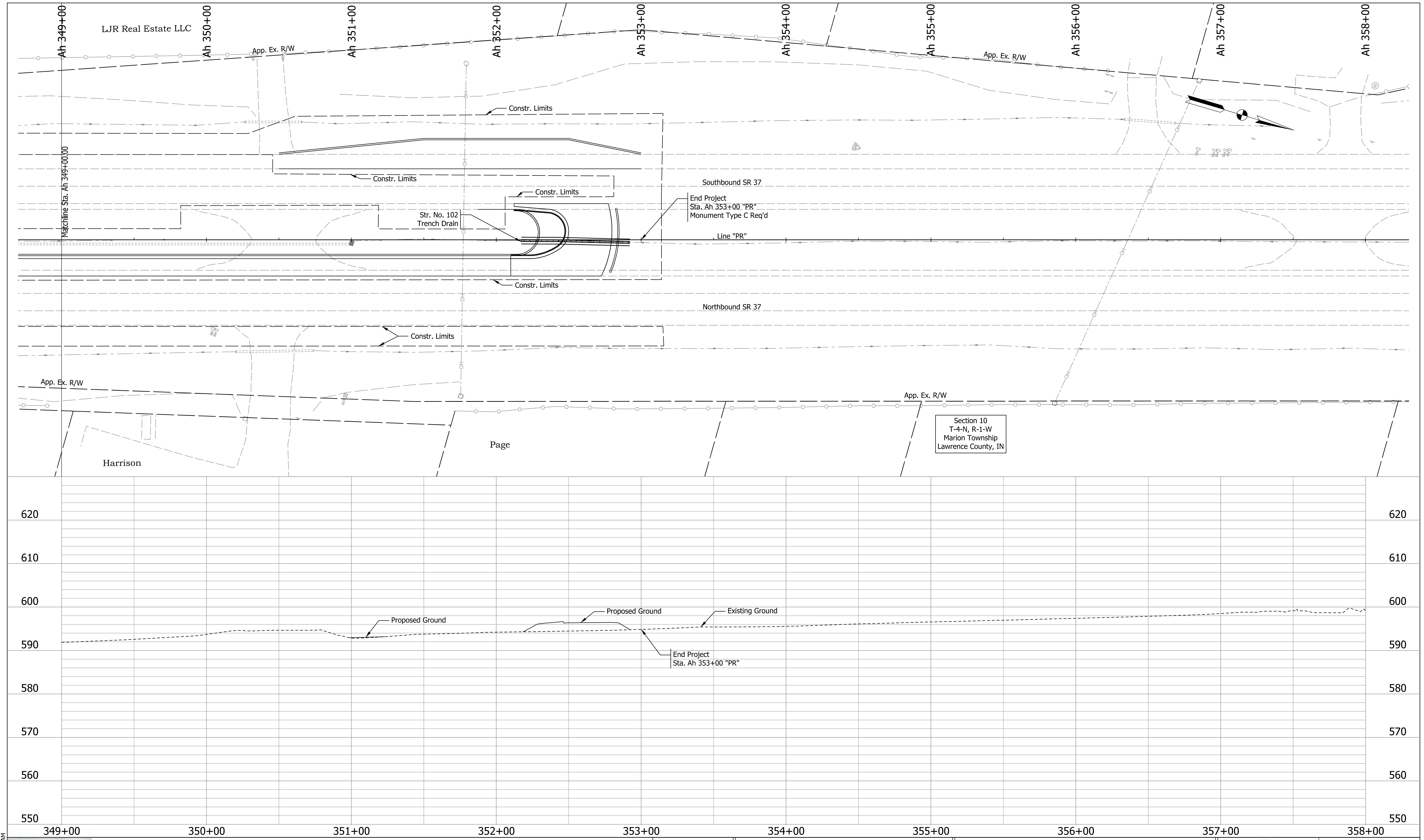
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	SHEETS
	22 of 54
CONTRACT	PROJECT
R-42194	1900249005T6

Plot: 1/5/2023 9:45 AM



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	R-42194		1900249		23 of 54							



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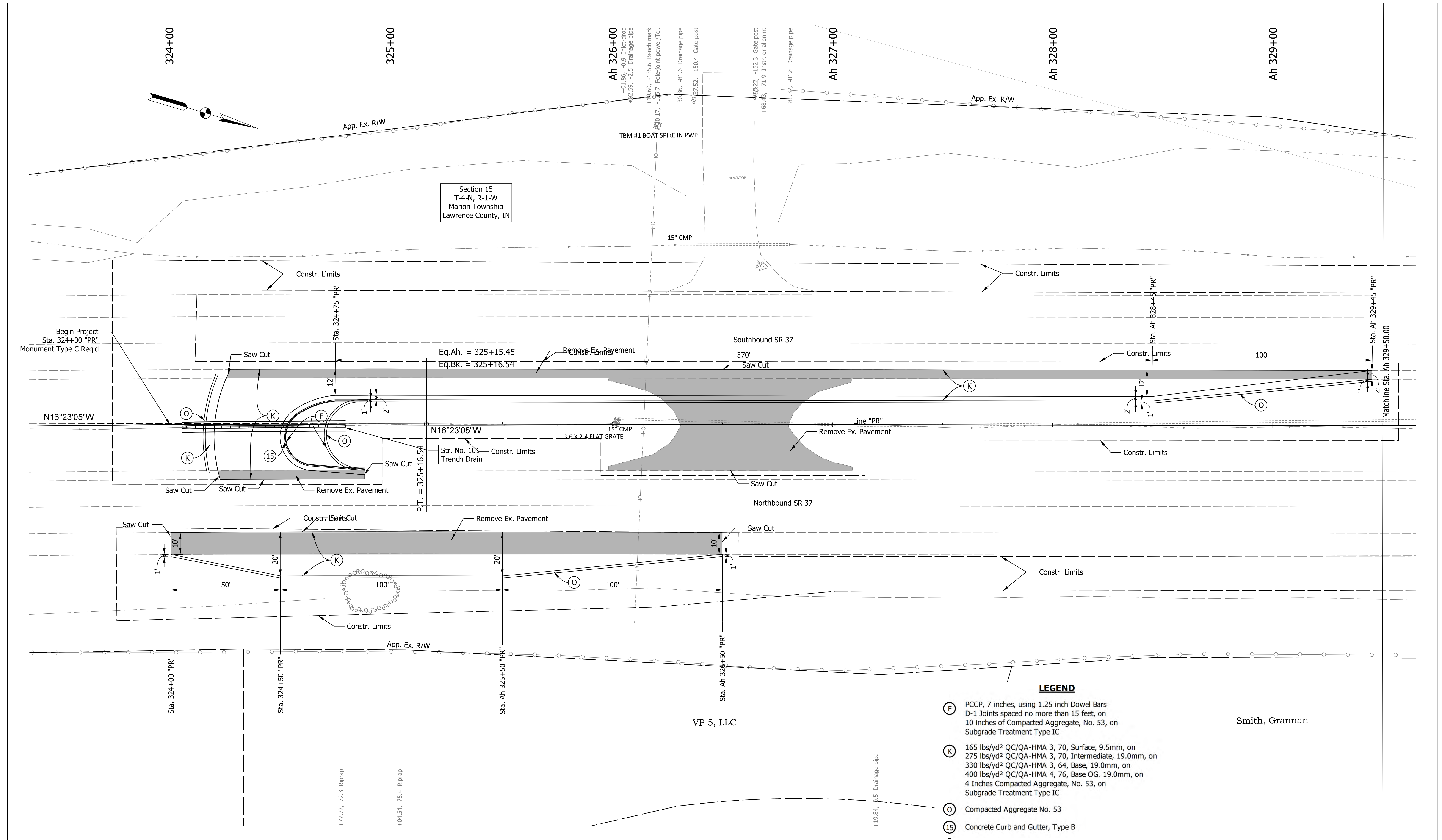
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CHECKED: MRS	Dec 2021	CHECKED: MRS
	Dec 2021	

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE  
LINE "PR"**

SCALE	BRIDGE FILE
H: 1" = 30'; V: 1" = 10'	N/A
	DESIGNATION
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	SHEETS
	24 of 54
CONTRACT	PROJECT
R-42194	1900249005T6





Plot: 1/5/2023 9:46 AM

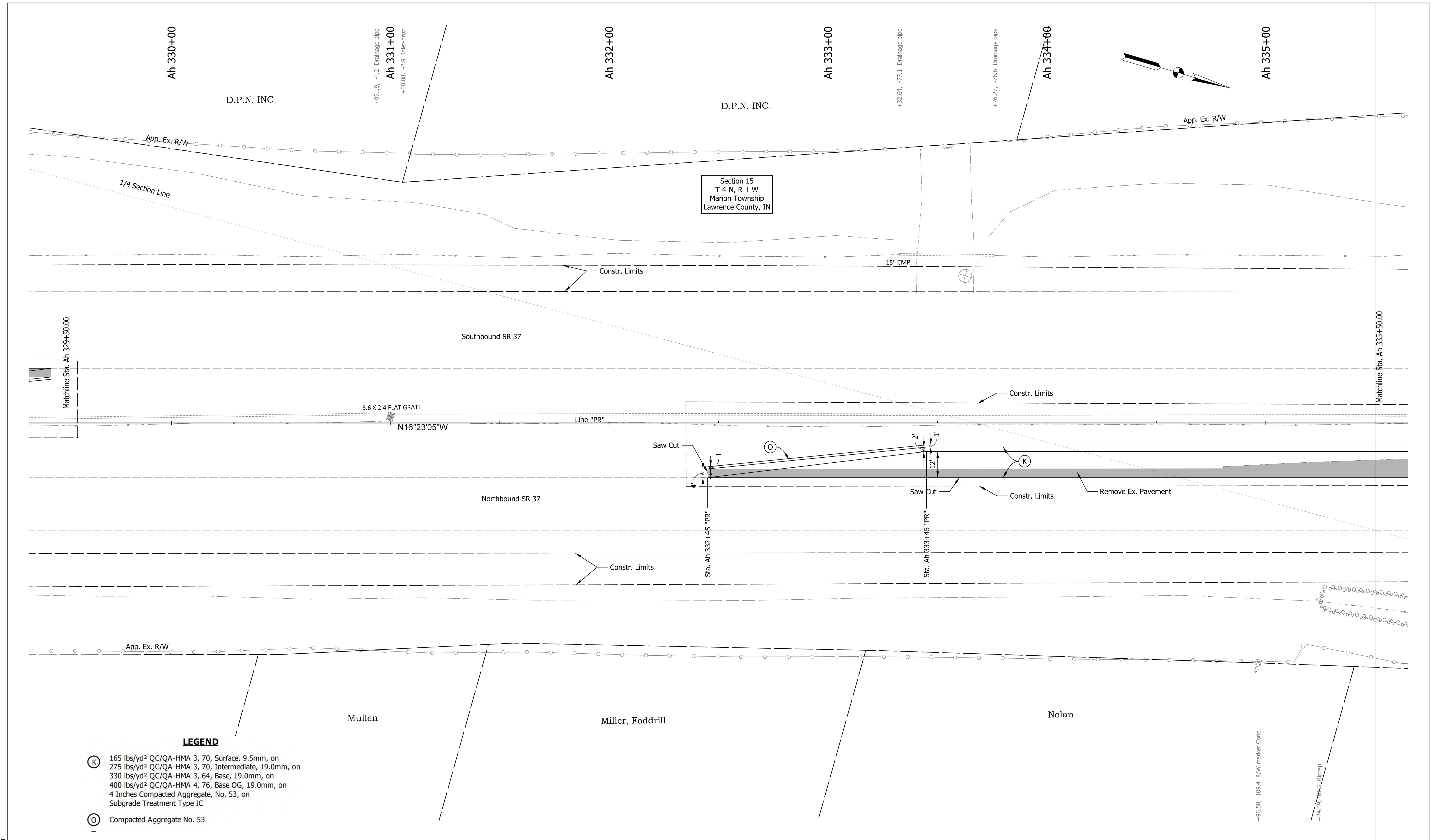
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CHECKED: MRS	Dec 2021	CHECKED: MRS

INDIANA  
DEPARTMENT OF TRANSPORTATION

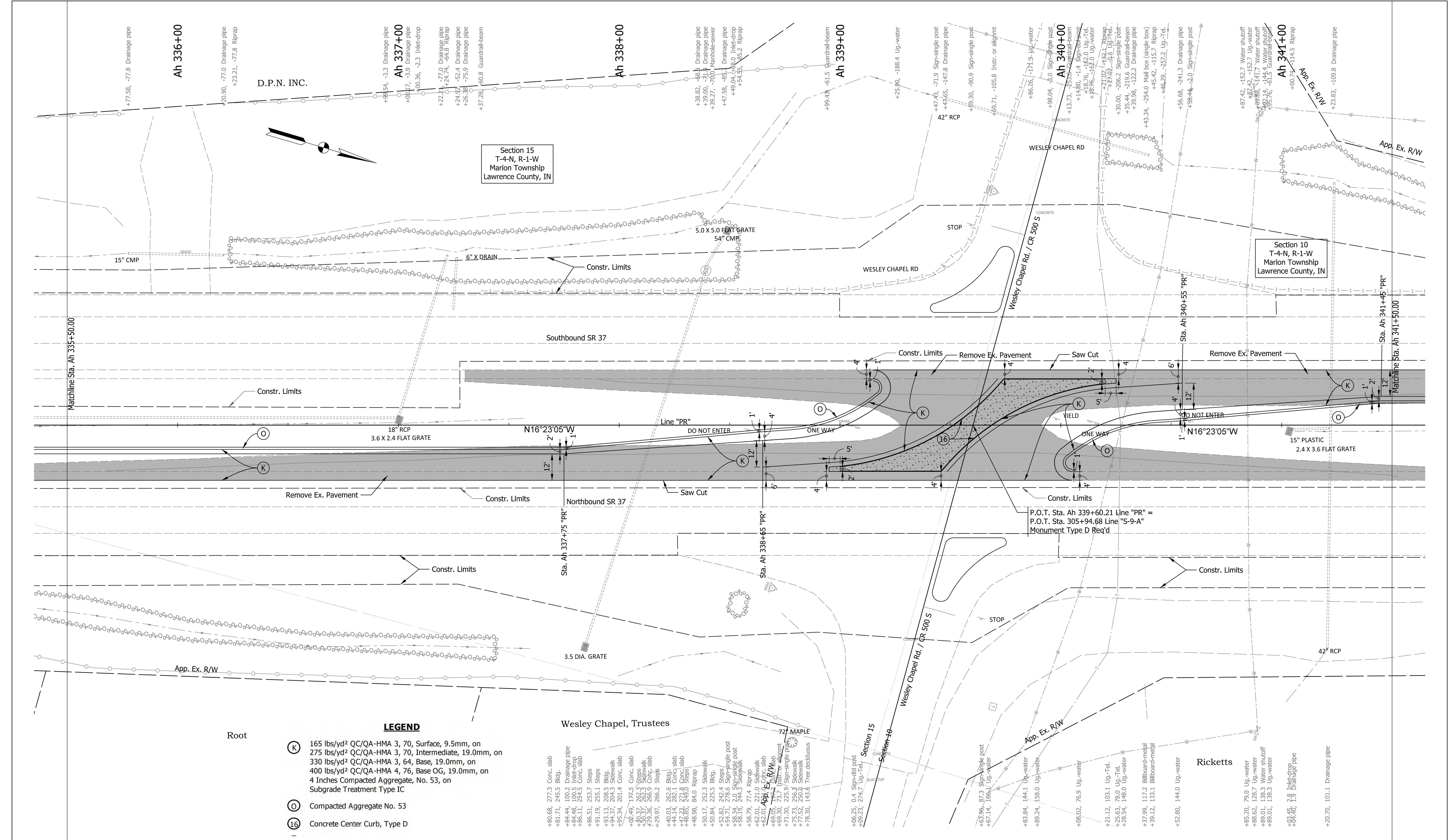
**CONSTRUCTION DETAILS  
LINE "PR"**

SCALE 1" = 20'	BRIDGE FILE N/A
	DESIGNATION 1900249
	SHEETS 25 of 54
CONTRACT R-42194	PROJECT 1900249005T6



- LEGEND**
- (K) 165 lbs/yd<sup>2</sup> QC/QA-HMA 3, 70, Surface, 9.5mm, on 275 lbs/yd<sup>2</sup> QC/QA-HMA 3, 70, Intermediate, 19.0mm, on 330 lbs/yd<sup>2</sup> QC/QA-HMA 3, 64, Base, 19.0mm, on 400 lbs/yd<sup>2</sup> QC/QA-HMA 4, 76, Base OG, 19.0mm, on 4 Inches Compacted Aggregate, No. 53, on Subgrade Treatment Type IC
  - (O) Compacted Aggregate No. 53

1/5/2023 9:46 AM File: pw:\indot-pw.bentley.com:indot-pw-01\Documents\Vincennes\1900249\Design\M5\Shr ConstDetails_20_2.dgn Model: Default		<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>  <b>CONSTRUCTION DETAILS</b> <b>LINE "PR"</b>	SCALE 1" = 20'	BRIDGE FILE N/A DESIGNATION 1900249 SHEETS 26 of 54 PROJECT 1900249005T6
	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	CONTRACT R-42194		
	DESIGNED: AKB Dec 2021 DRAWN: AKB Dec 2021 CHECKED: MRS Dec 2021 CHECKED: MRS Dec 2021			



- LEGEND**
- (K)** 165 lbs/yd<sup>2</sup> QC/QA-HMA 3, 70, Surface, 9.5mm, on 275 lbs/yd<sup>2</sup> QC/QA-HMA 3, 70, Intermediate, 19.0mm, on 330 lbs/yd<sup>2</sup> QC/QA-HMA 3, 64, Base, 19.0mm, on 400 lbs/yd<sup>2</sup> QC/QA-HMA 4, 76, Base OG, 19.0mm, on 4 Inches Compacted Aggregate, No. 53, on Subgrade Treatment Type IC
  - (O)** Compacted Aggregate No. 53
  - (16)** Concrete Center Curb, Type D

- Wesley Chapel, Trustees**
- +80.68, 277.3 Conc. slab
  - +81.71, 245.5 Bldg.
  - +84.44, 100.2 Drainage pipe
  - +84.48, 100.5 Inlet-drop
  - +86.11, 284.3 Conc. slab
  - +86.51, 253.7 Steps
  - +91.19, 255.1 Bldg.
  - +93.13, 208.3 Bldg.
  - +94.99, 211.4 Conc. slab
  - +95.34, 201.4 Conc. slab
  - +02.49, 172.5 Conc. slab
  - +03.37, 253.3 Sidewalk
  - +03.73, 253.3 Sidewalk
  - +09.36, 266.9 Conc. slab
  - +09.97, 266.2 Steps
  - +40.03, 262.6 Bldg
  - +44.14, 282.1 Conc. slab
  - +46.85, 240.8 Sidewalk
  - +48.98, 84.0 Riprap
  - +50.17, 252.3 Sidewalk
  - +50.84, 225.5 Bldg.
  - +52.82, 242.4 Steps
  - +54.71, 278.6 Sign-single post
  - +58.24, 210.0 Sign-single post
  - +58.15, 244.3 Sidewalk
  - +58.79, 77.4 Riprap
  - +62.01, 221.0 Sidewalk
  - +62.01, 221.0 Sidewalk
  - +69.30, 215.7 Sidewalk
  - +71.30, 225.9 Sign-single post
  - +75.73, 256.8 Sidewalk
  - +77.52, 250.0 Sidewalk
  - +78.30, 143.0 Tree deciduous

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: AKB	Dec 2021	DRAWN: AKB
CHECKED: MRS	Dec 2021	CHECKED: MRS
	DATE	DATE
	Dec 2021	Dec 2021

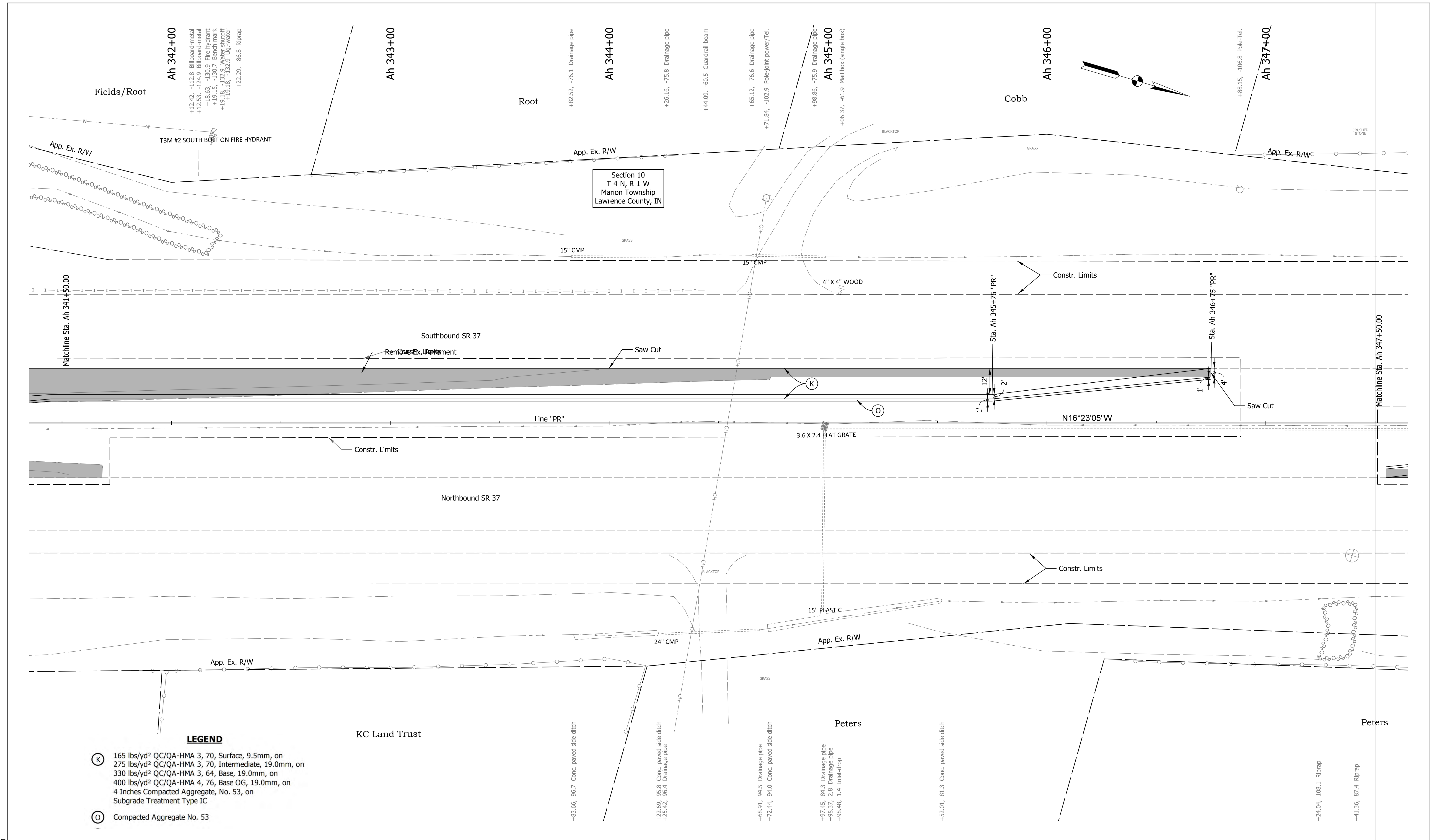
**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION DETAILS  
LINE "PR"**

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	SHEETS
	27 of 54
CONTRACT	PROJECT
R-42194	1900249005T6

Plot: 1/5/2023 9:47 AM

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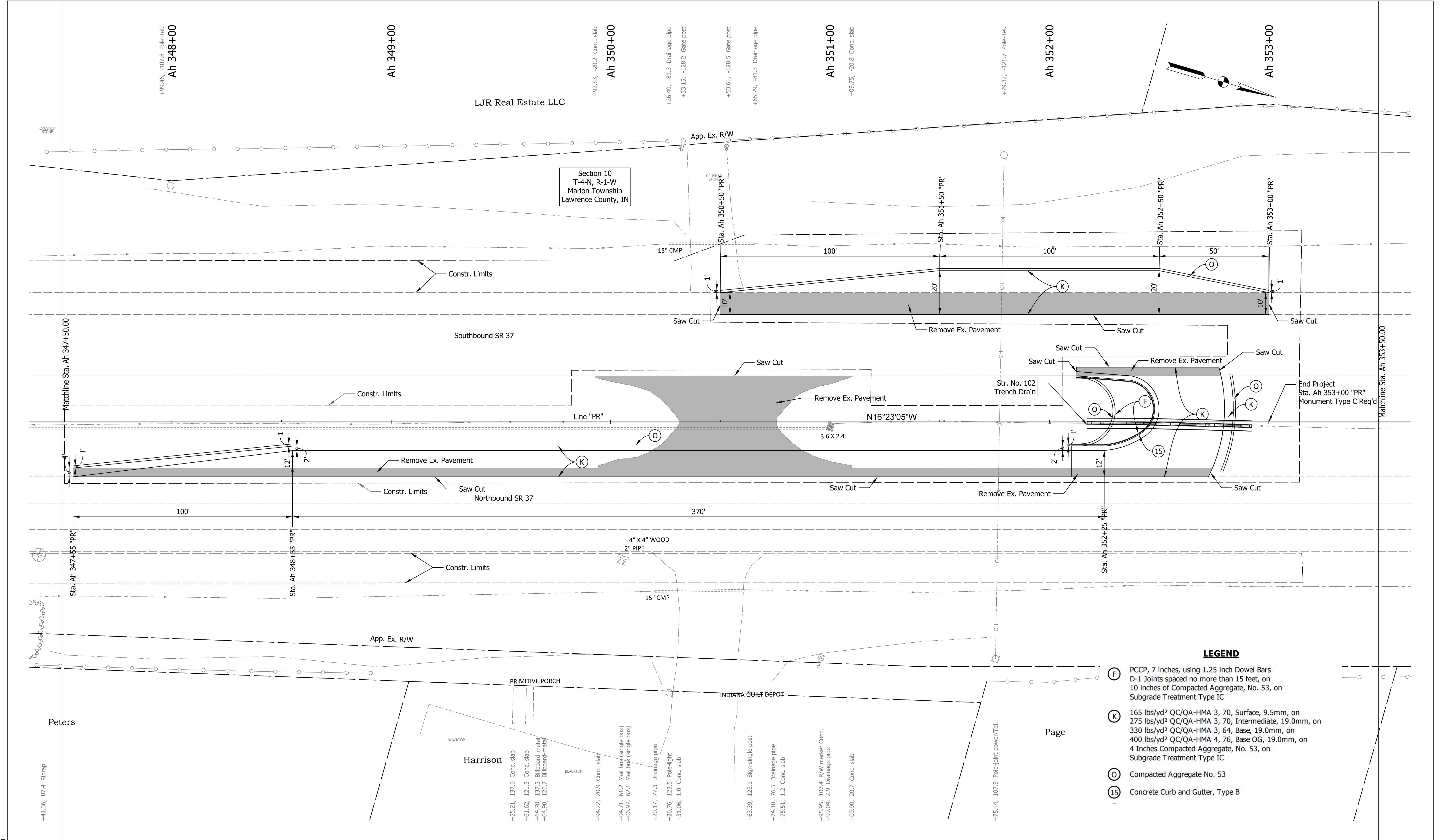


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CHECKED: MRS	Dec 2021	CHECKED: MRS
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INDIANA DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION DETAILS**  
LINE "PR"

SCALE	BRIDGE FILE
1" = 20'	N/A
	DESIGNATION
	1900249
	SHEETS
	28 of 54
CONTRACT	PROJECT
R-42194	1900249005T6

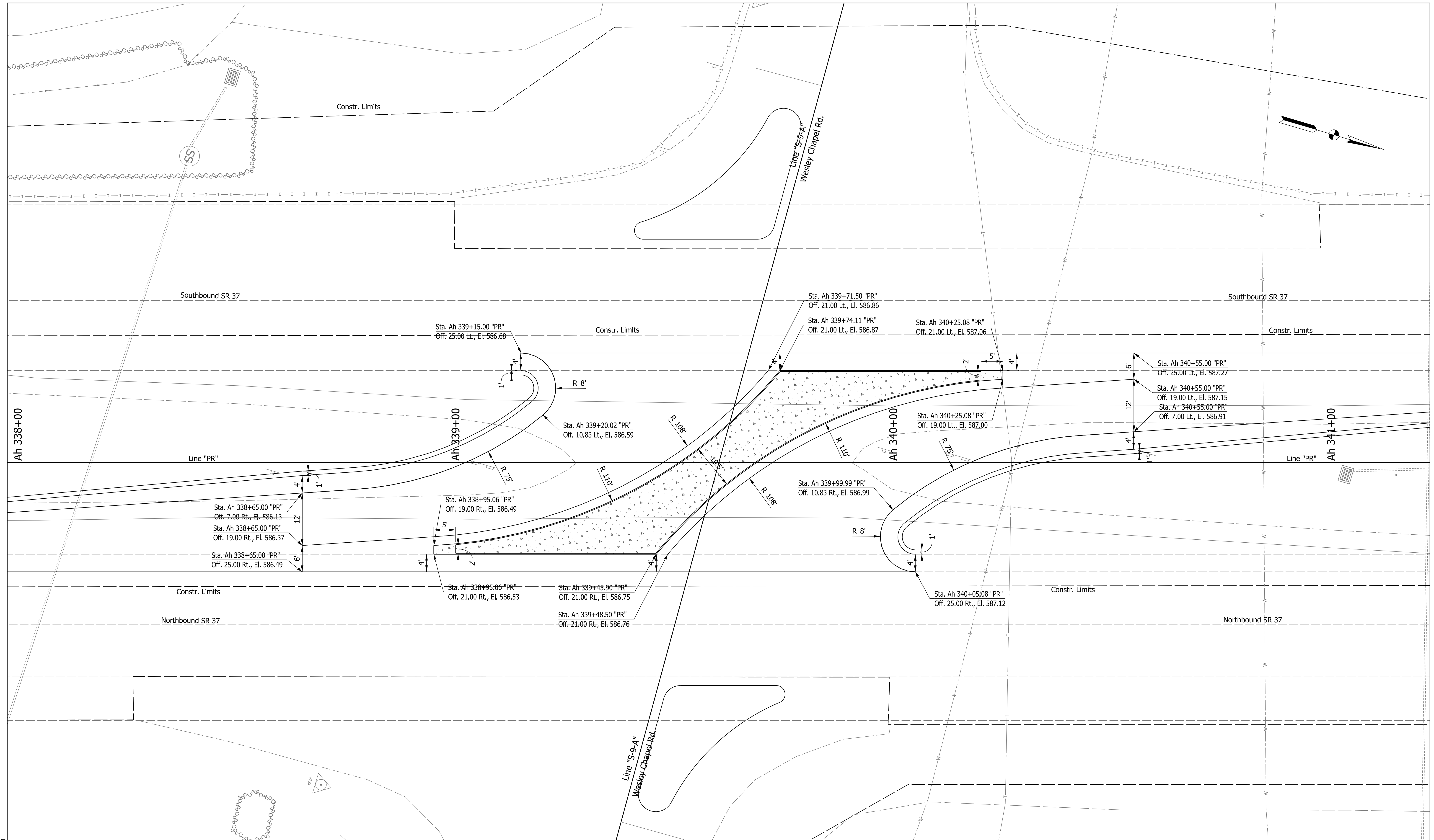


Section 10  
T-4-N, R-1-W  
Marion Township  
Lawrence County, IN

**LEGEND**

- (F) PCCP, 7 inches, using 1.25 inch Dowel Bars D-1 Joints spaced no more than 15 feet, on 10 inches of Compacted Aggregate, No. 53, on Subgrade Treatment Type IC
- (K) 165 lbs/yd<sup>2</sup> QC/QA-HMA 3, 70, Surface, 9.5mm, on 275 lbs/yd<sup>2</sup> QC/QA-HMA 3, 70, Intermediate, 19.0mm, on 330 lbs/yd<sup>2</sup> QC/QA-HMA 3, 64, Base, 19.0mm, on 400 lbs/yd<sup>2</sup> QC/QA-HMA 4, 76, Base OG, 19.0mm, on 4 Inches Compacted Aggregate, No. 53, on Subgrade Treatment Type IC
- (O) Compacted Aggregate No. 53
- (15) Concrete Curb and Gutter, Type B

1/5/2023 9:47 AM File: pw:\indot-pw.bentley.com:indot-pw-01\Documents\ Vincennes\1900249\Design\M5\Sh ConstDetails_20_5.dgn Model: Default	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>  <b>CONSTRUCTION DETAILS</b> <b>LINE "PR"</b>	SCALE 1" = 20'	BRIDGE FILE N/A
	DESIGNED: AKB Dec 2021 DRAWN: AKB Dec 2021		SHEETS 29 of 54	
	CHECKED: MRS Dec 2021 CHECKED: MRS Dec 2021		PROJECT 1900249005T6	
	CONTRACT R-42194		PROJECT 1900249005T6	



Plot: 1/5/2023 9:47 AM

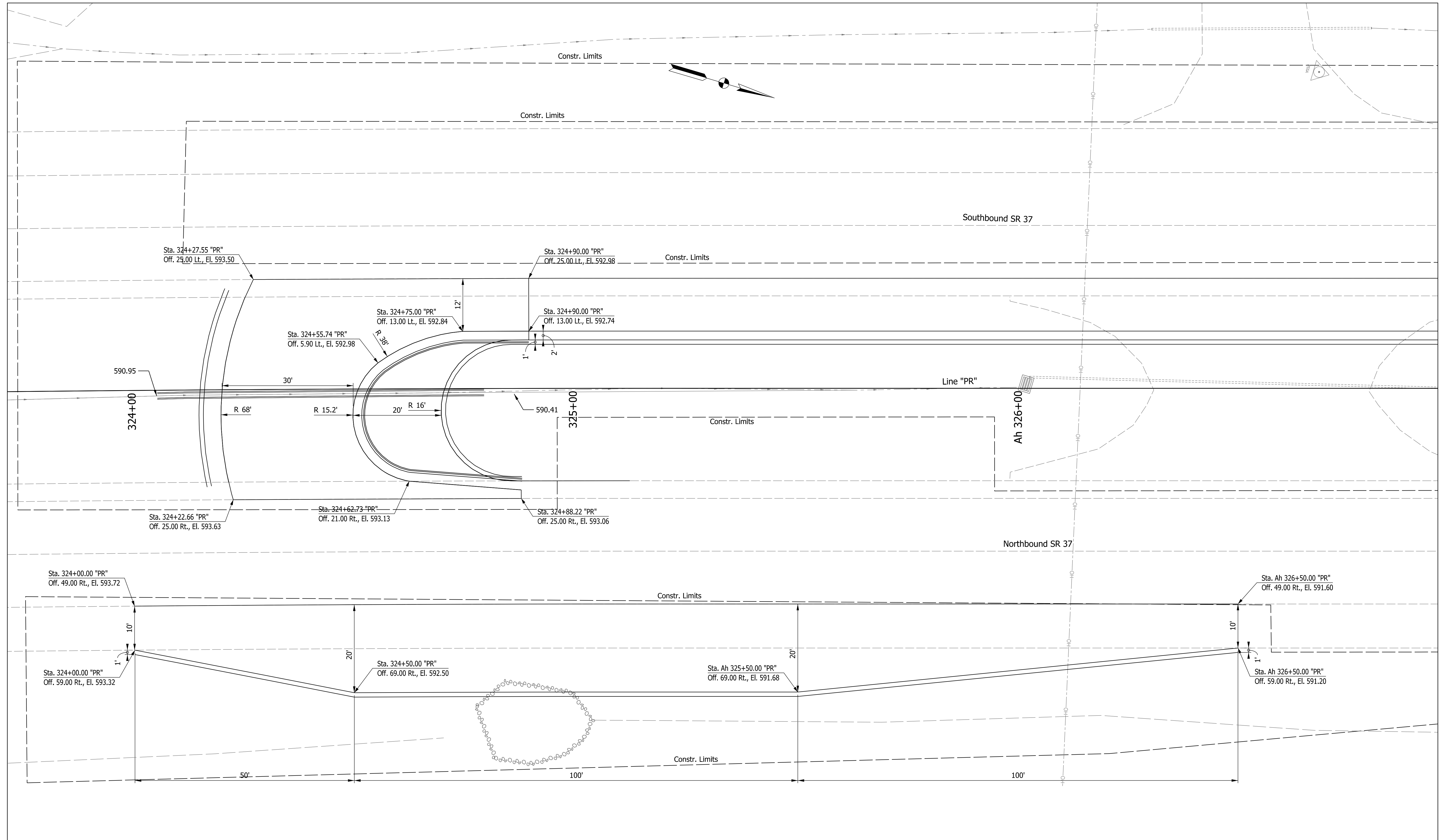
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Model:RD\_Detail Sheet

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: AKB	Dec 2021	DRAWN: AKB
CHECKED: MRS	Dec 2021	CHECKED: MRS
		Dec 2021

INDIANA  
DEPARTMENT OF TRANSPORTATION

**INTERSECTION DETAIL  
AND SPOT ELEVATIONS**

SCALE	BRIDGE FILE
1" = 10'	N/A
	DESIGNATION
	1900249
	SHEETS
	30 of 54
CONTRACT	PROJECT
R-42194	1900249005T6



Plot: 1/5/2023 9:48 AM

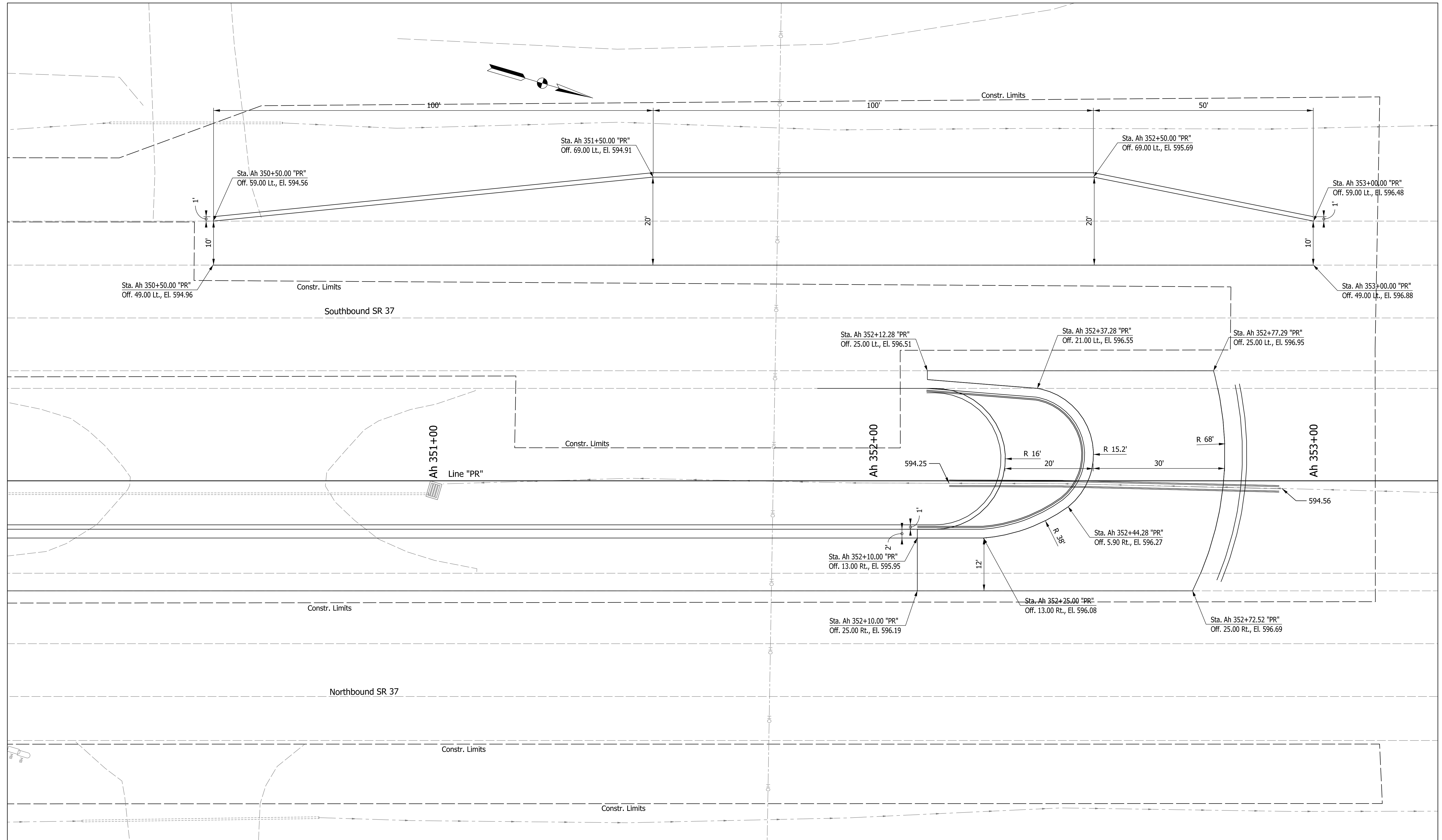
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 Model:Sht South U-Turn Details

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: AKB	Dec 2021	DRAWN: AKB
CHECKED: MRS	Dec 2021	CHECKED: MRS

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**SOUTH MEDIAN U-TURN DETAILS  
AND SPOT ELEVATIONS**

SCALE 1" = 10'	BRIDGE FILE N/A
	DESIGNATION 1900249
	SHEETS 31 of 54
CONTRACT R-42194	PROJECT 1900249005T6



Plot: 1/5/2023 9:48 AM

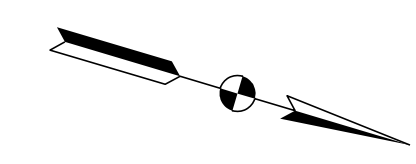
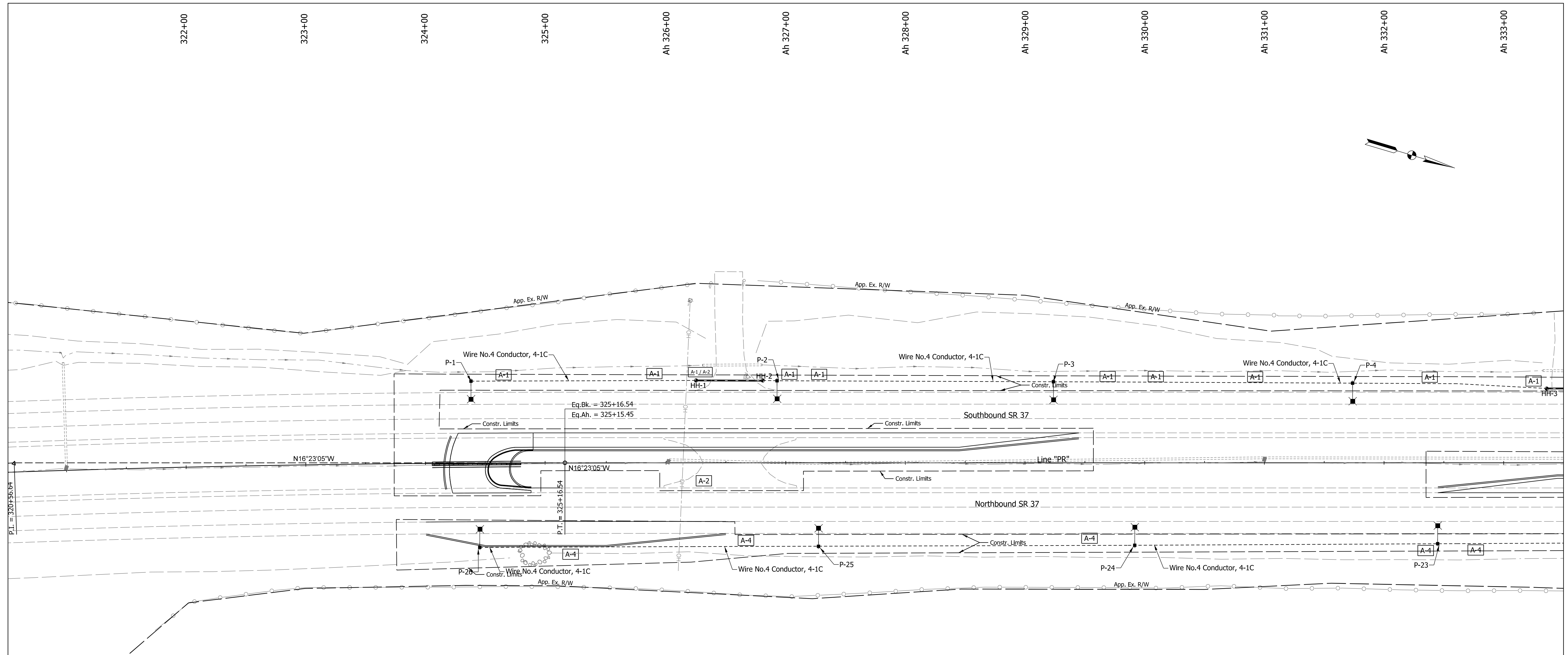
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 Model: Sht North U-Turn Details

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: AKB	Dec 2021	DRAWN: AKB
CHECKED: MRS	Dec 2021	CHECKED: MRS



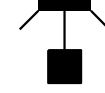




**INDIANA DEPARTMENT OF TRANSPORTATION**  
**NORTH MEDIAN U-TURN DETAILS AND SPOT ELEVATIONS**

SCALE	BRIDGE FILE
1" = 10'	N/A
	DESIGNATION
	1900249
	SHEETS
	32 of 54
CONTRACT	PROJECT
R-42194	1900249005T6





**LEGEND**

-  Lighting Service Point II
-  Light Pole, 40 Ft EMH with 15 Ft Mast Arm  
With Breakaway Transformer Base With  
GE Evolve ERL2\_23C340 or equivalent Luminaire
-  Lighting Handhole
-  4-IC No. 4 Copper Conductor in  
Plastic Duct in Trench
-  EX. Utility Under Ground Electric
-  Wire, No. 4 Copper Conductor in  
Plastic Duct, in 2" Galvanized Steel  
Conduit, 4-1/C
-  Circuit Number

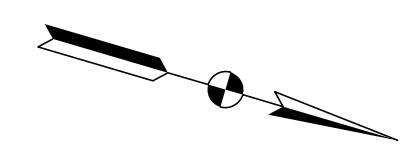
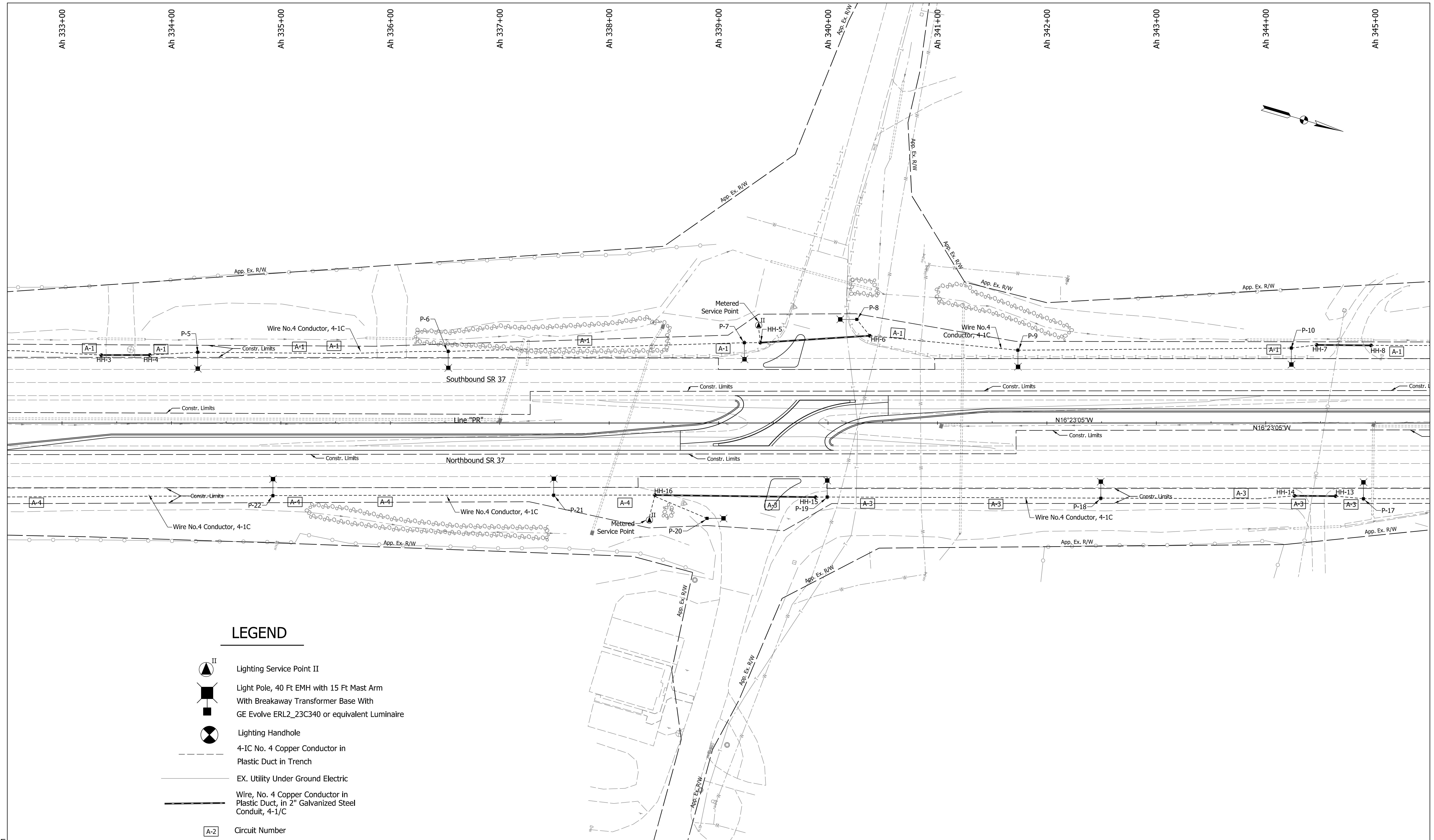
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File:  
Model:Default


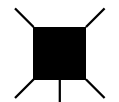
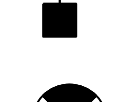
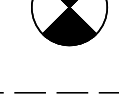


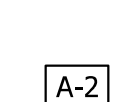
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: NA	July 2022	DRAWN: NA
July 2022		July 2022
CHECKED: PTP	July 2022	CHECKED: PTP
		July 2022

INDIANA DEPARTMENT OF TRANSPORTATION	
LIGHTING DETAILS	

SCALE	BRIDGE FILE
1" = 40'	N/A
	DESIGNATION
	1900249
	SHEETS
	33 of 54
CONTRACT	PROJECT
R-42194	1900249005T6



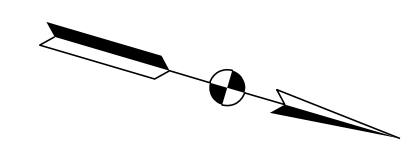
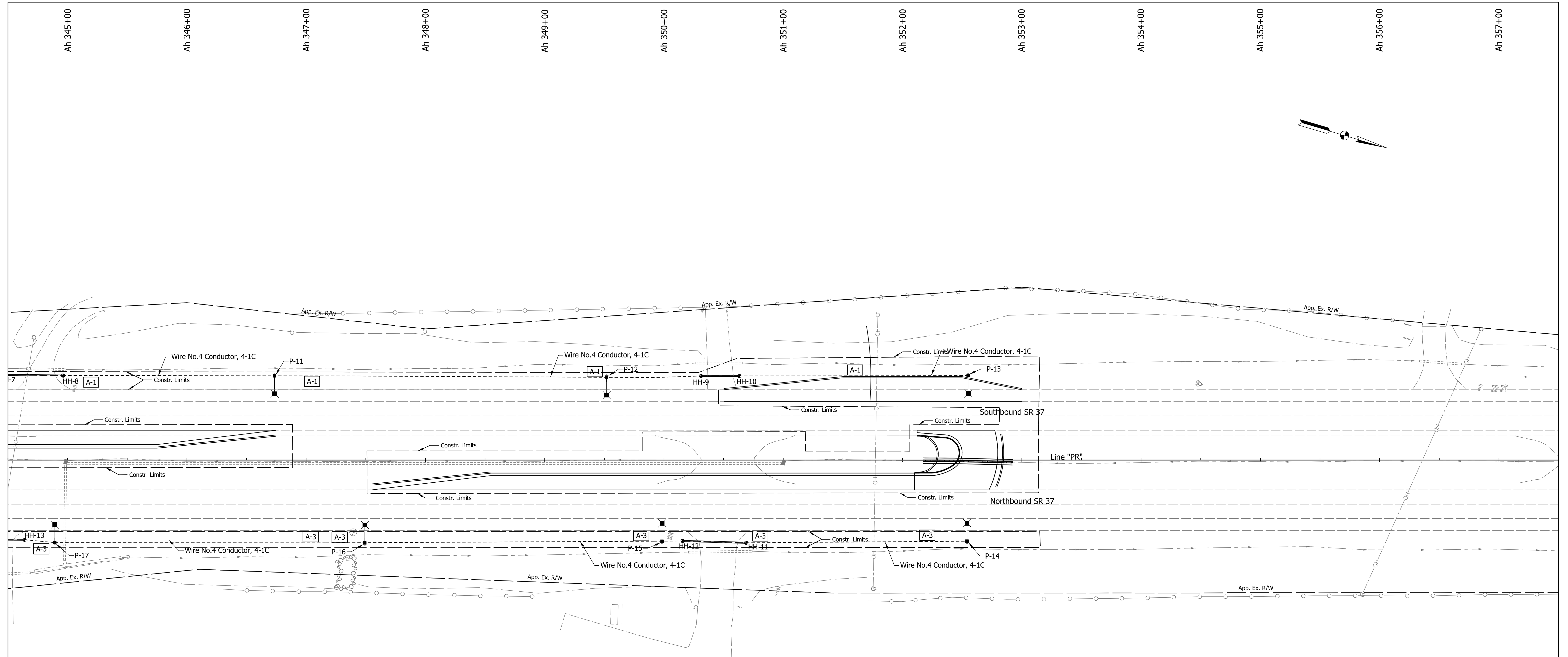
**LEGEND**

-  Lighting Service Point II
-  Light Pole, 40 Ft EMH with 15 Ft Mast Arm  
With Breakaway Transformer Base With  
GE Evolve ERL2\_23C340 or equivalent Luminaire
-  Lighting Handhole
-  4-IC No. 4 Copper Conductor in  
Plastic Duct in Trench
-  EX. Utility Under Ground Electric
-  Wire, No. 4 Copper Conductor in  
Plastic Duct, in 2" Galvanized Steel  
Conduit, 4-1/C
-  Circuit Number


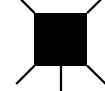

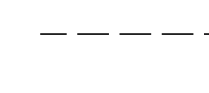
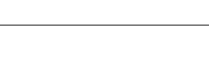


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Model: Default

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	SCALE 1" = 40'	BRIDGE FILE N/A DESIGNATION 1900249 SHEETS 34 of 54 PROJECT 1900249005T6
DESIGNED: NA July 2022 DRAWN: NA July 2022 CHECKED: PTP July 2022 CHECKED: PTP July 2022	<b>LIGHTING DETAILS</b>		



**LEGEND**

-  Lighting Service Point II
-  Light Pole, 40 Ft EMH with 15 Ft Mast Arm  
With Breakaway Transformer Base With  
GE Evolve ERL2\_23C340 or equivalent Luminaire
-  Lighting Handhole
-  4-IC No. 4 Copper Conductor in  
Plastic Duct in Trench
-  EX. Utility Under Ground Electric
-  Wire, No. 4 Copper Conductor in  
Plastic Duct, in 2" Galvanized Steel  
Conduit, 4-1/C
-  Circuit Number

Plot: 1/5/2023 9:49 AM

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: NA	July 2022	DRAWN: NA July 2022
CHECKED: PTP	July 2022	CHECKED: PTP July 2022

INDIANA DEPARTMENT OF TRANSPORTATION	
LIGHTING DETAILS	

SCALE 1" = 40'	BRIDGE FILE N/A
	DESIGNATION 1900249
	SHEETS 35 of 54
CONTRACT R-42194	PROJECT 1900249005T6

PAVEMENT QUANTITIES AND APPROACH TABLE																																						
LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADIUS	DISTANCE BEYOND R/W LINE	SURFACE BEYOND R/W LINE			GRADE	EXCAVATION	B-BORROW	HMA FOR APPROACHES, TYPE B				HMA MATERIALS						COMPACTED AGGREGATE NO. 53	COMPACTED AGGREGATE NO. 5	JOINT ADHESIVE SURFACE	JOINT ADHESIVE INTERMEDIATE	LIQUID ASPHALT SEALANT	HMA MATERIAL FOR PRIME COAT	HMA MATERIAL FOR TACK COAT	COMPACTED AGGREGATE NO. 53	SUBGRADE TREATMENT TYPE IC	SUBGRADE TREATMENT TYPE II	MILLING, ASPHALT 1.5 IN.	PLAIN JOINTED RCCP WITH 1 IN. DOWELS	D-1 JOINTS, SPACED 12-15 FT	CONCRETE CURB AND GUTTER, TYPE B	CONCRETE CENTER CURB, TYPE D	PAVEMENT REMOVAL	REMARKS
						COMPACTED AGGREGATE BASE	HMA	CONCRETE				HMA SURFACE	HMA INTERMEDIATE	HMA BASE	HMA BASE	QC/QA - HMA 3, 70, SURFACE, 9.5mm	QC/QA - HMA 3, 70, INTERMED., 19.0mm	QC/QA - HMA 3, 64, BASE, 19.0mm	QC/QA - HMA 4, 76, BASE OG, 19.0mm	DEPTH (IN.)																		
						SYS	SYS	SYS				LBS. PER SYD.				LBS. PER SYD.		DEPTH (IN.)																				
												1 %	2 %	3 %	CUT CYS	FILL CYS	CYS	TONS	TONS	TONS	TONS																	
LINE "PR"																																						
Sta. 324+00 to Sta. 326+50	NB Loon	20	250																																			
Sta. 324+75 to Sta. 329+45	SB U-Turn Lane	12	470																																			
Sta. 332+45 to Sta. 337+75	NB Left Turn Lane	12	530																																			
Sta. 341+45 to Sta. 346+75	SB Left Turn Lane	12	530																																			
Sta. 347+55 to Sta. 352+25	NB U-Turn Lane	12	470																																			
Sta. 350+50 to Sta. 353+00	SB Loon	20	250																																			
South Median U-Turn Intersection																																						
North Median U-Turn																																						
TOTALS																																						

STRUCTURE DATA TABLE																																								
STRUCTURE NUMBER	LOCATION						DESCRIPTION				FLOW LINE					SUMP DEPTH	SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL TYPE 2	STRUCTURE BACKFILL TYPE 5	FLOWABLE BACKFILL	SCOUR PROTECTION				PIPE END SECTION	GRATED BOX END SECTION			SAFETY METAL END SECTION			CONNECT TO STR.	CULVERT ASSET ID	REMARKS			
	STATION	LEFT	RIGHT	CROSS	OFFSET	SIZE	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH	VIDEO INSPECTION LENGTH	SKEW	MIN. COVER	MAX. COVER	UP STREAM	DOWN STREAM									REVETMENT RIPRAP	RIPRAP CLASS 1	RIPRAP CLASS 2	GEOTEXTILE		TYPE	SLOPE	EA.	TYPE	SLOPE	EA.				TYPE	SLOPE	EA.

PAVED SIDE DITCH, RIPRAP DITCH, SODDING AND SEEDING SUMMARY TABLE																																					
LOCATION					PAVED SIDE DITCH					RIPRAP DITCH			SODDING							NURSERY SODDING FOR LAWNS	WATER FOR SODDING	MOB. & DEMOB. FOR SEEDING	MULCHED SEEDING, R	EROSION CONTROL BLANKET													
FROM STATION	TO STATION	LEFT	MEDIAN	RIGHT	ACTUAL LENGTH	TOTAL EQUIVALENT PAY LENGTHS				REVETMENT RIPRAP	UNIFORM RIPRAP	GEOTEXTILES	FOR PAVED SIDE DITCHES	FOR DITCHES	FOR MEDIAN	FOR SHOULDER BREAK	SODDING AT BRIDGE CONE	TOTAL SODDING																			
						CUT OFF WALLS (8' EQUIVAL. LENGTH EACH)	LUGS (8' EQUIVAL. LENGTH EACH)	LFT	LFT										LFT						LFT	LFT	LFT	TONS	TONS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	
Sta. 324+00	Sta. 326+50			X																																	
Sta. 324+75	Sta. 329+45		X																																		
Sta. 332+45	Sta. 346+75		X																																		
Sta. 347+55	Sta. 352+25		X																																		
Sta. 350+50	Sta. 353+00	X																																			
TOTALS																																					

MONUMENTS AND R/W MARKERS							
LINE	STATION	OFFSET (FT)	RT/LT	R/W MARKER	TYPE "C"	TYPE "D"	SECTION CORNER
PR	324+00	-	-		1		
PR	Ah 339+60.21	-	-			1	
PR	Ah 353+00	-	-		1		
TOTALS					2	1	

Note to the Reviewer:  
The Underdrain Table will be included  
for the next submittal.

Plot: 1/5/2023 9:49 AM

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE	BRIDGE FILE	
DESIGNED: AKB	Dec 2021	DRAWN: AKB		Dec 2021	None	N/A
CHECKED: MRS	Dec 2021	CHECKED: MRS		Dec 2021		DESIGNATION 1900249
ROAD SUMMARY OF QUANTITIES			SHEETS	36 of 54		
			CONTRACT	PROJECT		
			R-42194	1900249005T6		