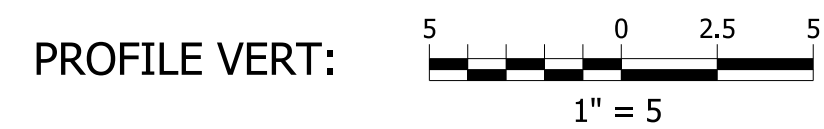
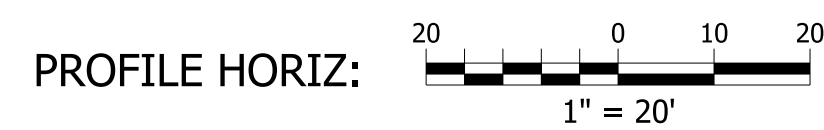
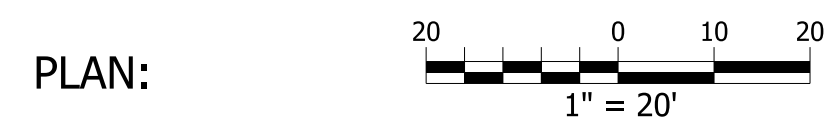


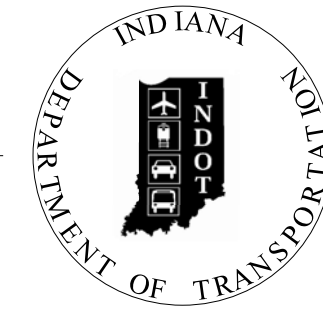
PROJECT	DESIGNATION
1600693	1600693
CONTRACT	
R-42248	

SCALES:



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

INDIANA DEPARTMENT OF TRANSPORTATION



ROAD PLANS

ROUTE: SR 51 AT SR 130 - INTERSECTION IMPROVEMENT

1600693

P.E.

1600693

R/W

1600693

CONST.

TRAFFIC DATA - SR 130

A.A.D.T. (2022)	14,650	V.P.D.
A.A.D.T. (2042)	16,060	V.P.D.
D.H.V (2042)	1,381	V.P.H.
DIRECTIONAL DISTRIBUTION	48 % NB	
TRUCKS	3.3%	A.A.D.T.
	0.8%	D.H.V.

DESIGN DATA

DESIGN SPEED	35	M.P.H.
PROJECT DESIGN CRITERIA		4R
FUNCTIONAL CLASSIFICATION		PRINCIPAL ARTERIAL
RURAL/URBAN		URBAN
TERRAIN		LEVEL
ACCESS CONTROL		NONE

TRAFFIC DATA - SR 51

A.A.D.T. (2022)	9,920	V.P.D.
A.A.D.T. (2042)	10,870	V.P.D.
D.H.V (2042)	1,196	V.P.H.
DIRECTIONAL DISTRIBUTION	49 % EB	
TRUCKS	1.7%	A.A.D.T.
	1.2%	D.H.V.

DESIGN DATA

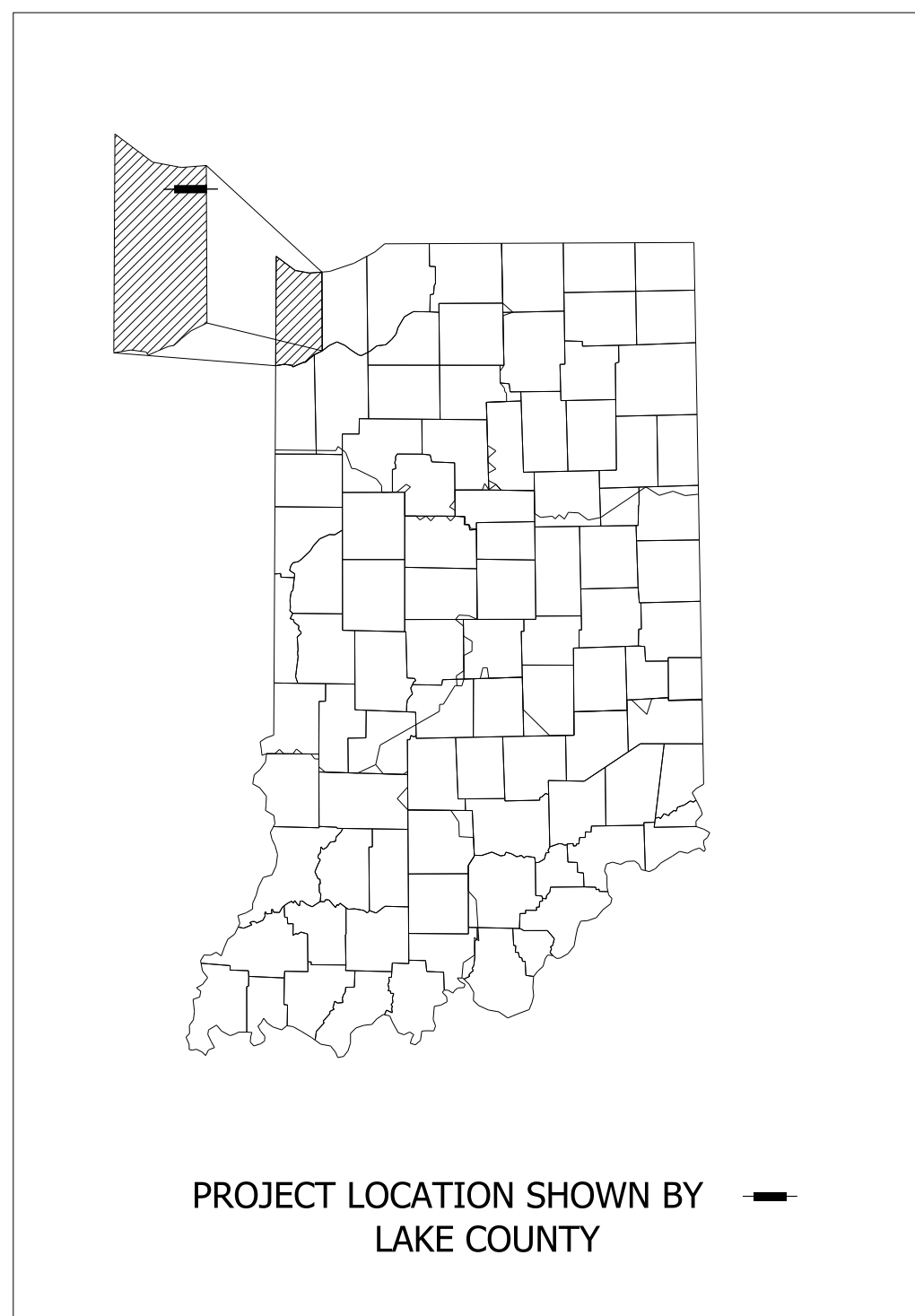
DESIGN SPEED	25	M.P.H.
PROJECT DESIGN CRITERIA		4R
FUNCTIONAL CLASSIFICATION		MINOR ARTERIAL
RURAL/URBAN		URBAN
TERRAIN		LEVEL
ACCESS CONTROL		NONE

TRAFFIC DATA - CLEVELAND RD

A.A.D.T. (2022)	5,240	V.P.D.
A.A.D.T. (2042)	5,740	V.P.D.
D.H.V (2042)	540	V.P.H.
DIRECTIONAL DISTRIBUTION	53 % EB	
TRUCKS	3.9%	A.A.D.T.
	0.0%	D.H.V.

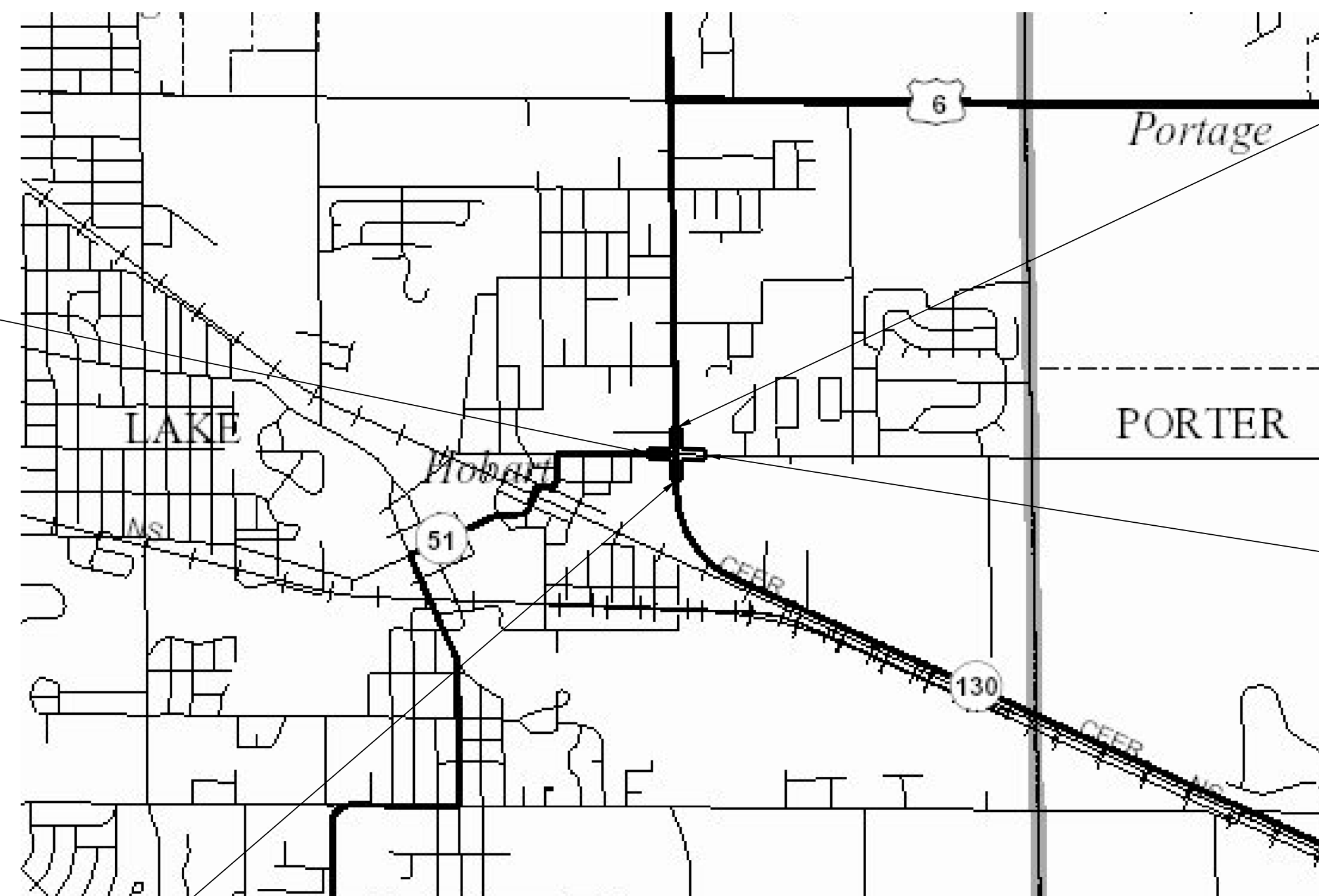
DESIGN DATA

DESIGN SPEED	30	M.P.H.
PROJECT DESIGN CRITERIA		4R
FUNCTIONAL CLASSIFICATION		MAJOR COLLECTOR
RURAL/URBAN		URBAN
TERRAIN		LEVEL
ACCESS CONTROL		NONE

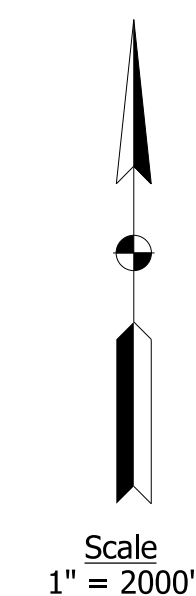


INTERSECTION IMPROVEMENT ON SR 51 AT SR 130
LOCATED IN SECTIONS 28, 29, 32, & 33 OF T-36-N, R-7-W, HOBART TOWNSHIP,
LAKE COUNTY, INDIANA
RP 114+60

BEGIN CONSTRUCTION
Sta 146+47.94 Line 'PR-C'



END PROJECT 1600693
Sta 180+28.35 Line 'PR-J'



END CONSTRUCTION
Sta 153+10.00 Line 'PR-C'

LATITUDE: 41° 32' 10" LONGITUDE: 87° 14' 25"

GROSS LENGTH:	0.11	MI.
NET LENGTH:	0.11	MI.
MAXIMUM GRADE:	2.0%	%

HUC 14 # 04040001040010

STAGE 3 SUBMITTAL
JULY 2022

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

BEGIN PROJECT 1600693
Sta 174+23.03 Line 'PR-J'

HOBART TOWNSHIP
SEC 29, T-36-N, R-7-W
SEC 32, T-36-N, R-7-W

HOBART TOWNSHIP
SEC 28, T-36-N, R-7-W
SEC 33, T-36-N, R-7-W

LAKE COUNTY



PRELIMINARY
NOT FOR CONSTRUCTION
DATE: 7/20/2021

PLANS PREPARED BY:	TROYER GROUP	(574) 259-9976 PHONE NUMBER
CERTIFIED BY:		\$\$\$IG_DATE\$ DATE
APPROVED FOR LETTING:	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

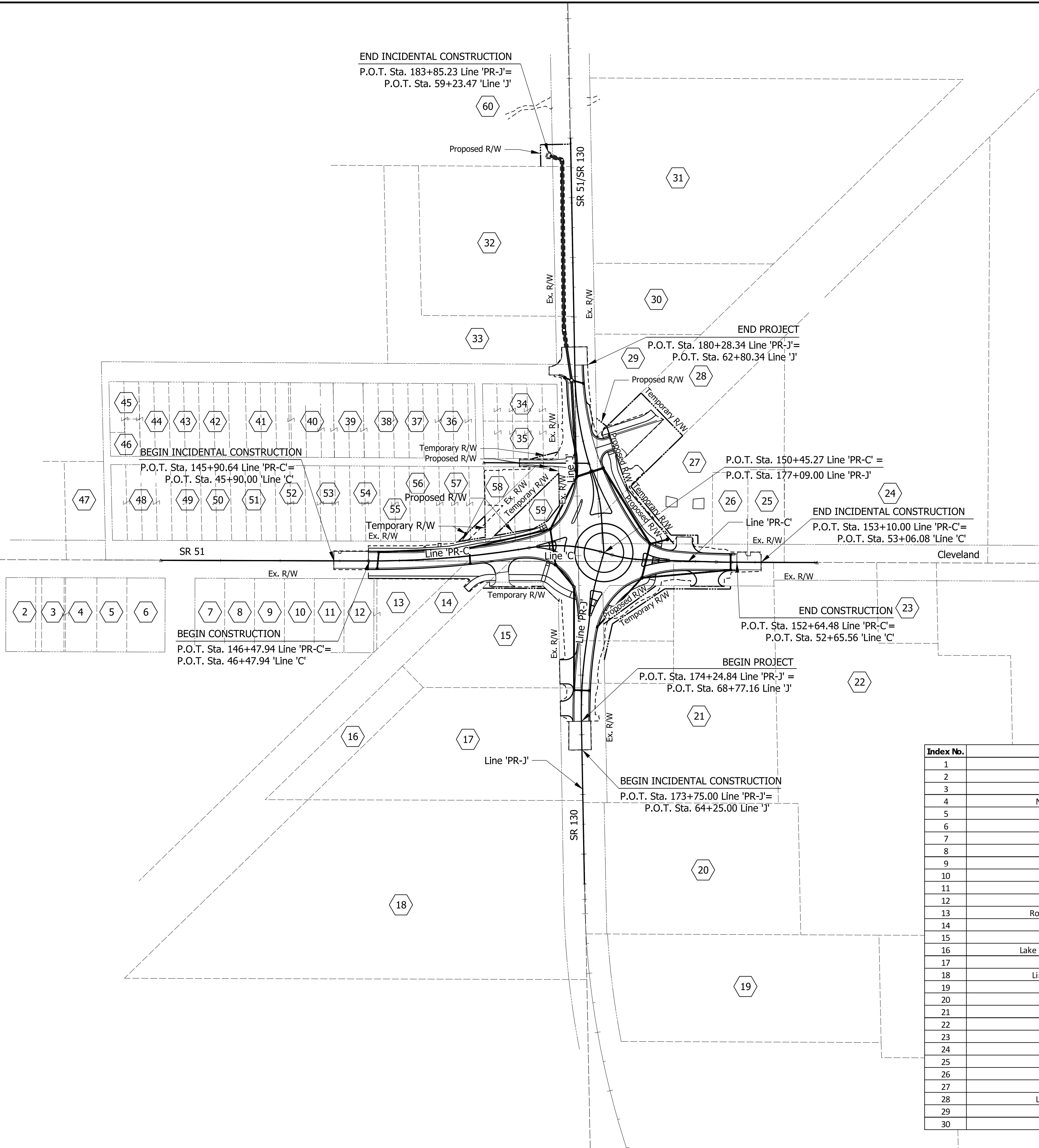
SURVEY BOOK	SHEETS
CONTRACT	1 of 44
R-42248	PROJECT
	1600693

Section 29, T-36-N, R-7-W
Hobart Township
Lake County

Section 28, T-36-N, R-7-W
Hobart Township
Lake County

Section 33, T-36-N, R-7-W
Hobart Township
Lake County

Section 32, T-36-N, R-7-W
Hobart Township
Lake County



Index No.	Property Owner	Index No.	Property Owner
1	Sharon & William Binder	31	Phillip & Marcia Speer
2	Jay & Jennifer Rachau	32	David Christian
3	John & Dawn Bellar	33	Madelyn & James Bodhaine
4	Nathaniel & Kaitlin Hernandez	34	Matthew & Noelle Kietzman
5	Danny & Denise Bailey	35	Jason & Ashley Hornak
6	Ben & Amanda Velazquez	36	Joshua & Carrie Kietzman
7	Joshua & Juli Turner	37	David Fowble, James Fowble, & Susan Fowble
8	Jeffrey Fields	38	Jacob Satterfield
9	Donald & Ashley Debusk	39	Thomas Leonard
10	Janet Manis, Trustee	40	Kenneth & Elizabeth Martin
11	Frederick Scharbach	41	Johnathan & Jadyn Freeman
12	Frederick Scharbach	42	Jennifer & Zachary Bell
13	Robert Braser & Thomas Smurdon	43	Mary Lizak
14	City of Hobart	44	Glenwood Properties, LLC
15	Dwayne Hickman	45	Ronald & Joni Reid
16	Lake County Park and Recreation Board	46	Ronald & Joni Reid
17	DFLO Plumbing, LLC	47	Sarah Cantu
18	Linde Gases of the Midwest, Inc.	48	Christopher Gulley & Matthew Wall
19	Indiana Storage Hobart, LLC	49	David Cox
20	Rff Corp. an Indiana Corp.	50	Helen Starkey, Trustee
21	Luke Land, LLC	51	James & Cheryl Dees
22	AJT, LLC	52	Kevin & Kathy Robinson
23	Jeffrey Tillner	53	John & Jillian McGill
24	Matthew & Olivia Luke	54	Garriet Giles
25	Craig & Tanya Thomas	55	Michael Sedoris
26	Broadaway Properties, LLC	56	James Fowble, David Fowble, & Susan Fowble
27	Broadaway Properties, LLC	57	Ryan Durbin
28	Lake County Park & Recreation	58	Kelly Kras
29	Marcia Speer	59	Lake County Parks & Recreation
30	Marcia Speer		

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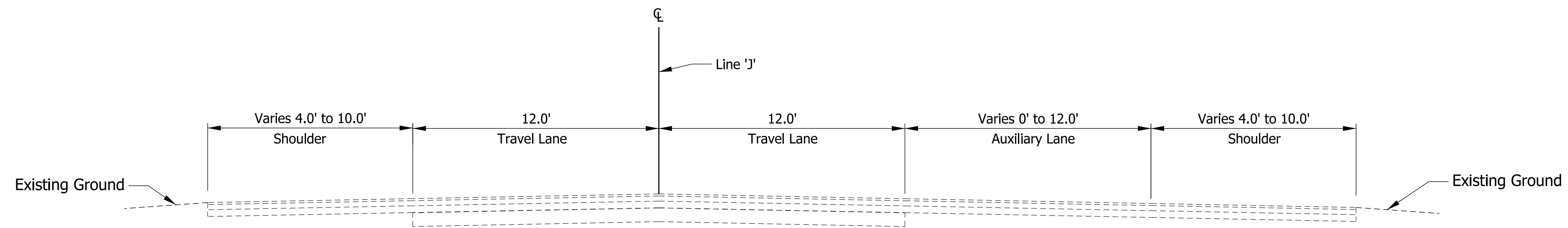


PRELIMINARY
NOT FOR CONSTRUCTION
DATE: 7/20/2021

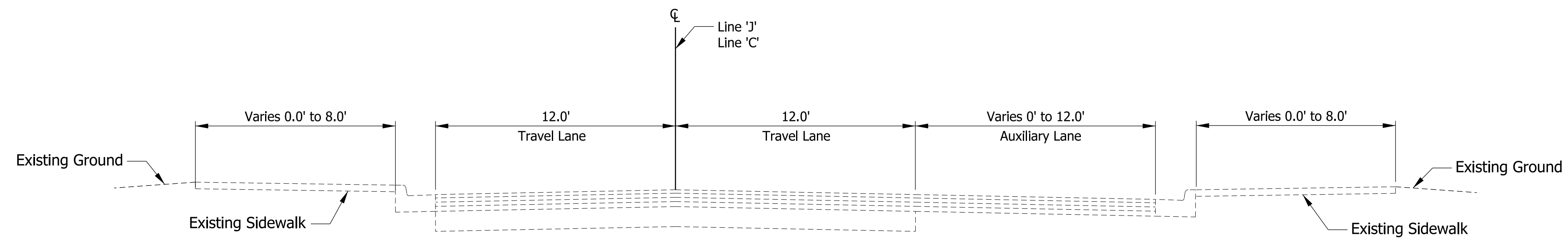
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: PFR	DRAWN: PFR	
CHECKED: LRD	CHECKED: LRD	

INDIANA
DEPARTMENT OF TRANSPORTATION
SR 51 AT SR 130 INTERSECTION IMPROVEMENT
PLAT NO. 1

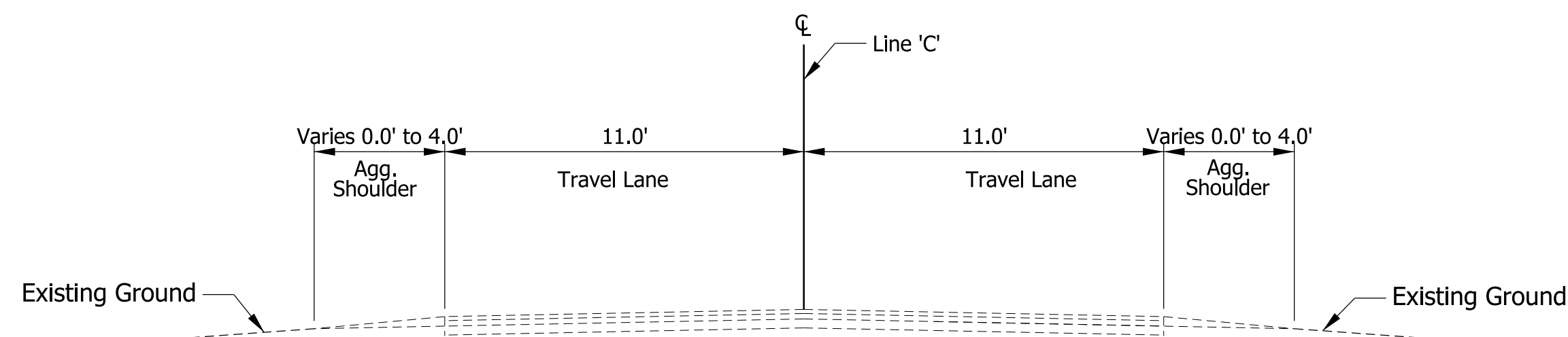
HORIZONTAL SCALE	FILE
1" = 100'	
VERTICAL SCALE	DESIGNATION
N/A	1600693
SURVEY BOOK	SHEETS
ELECTRONIC	3 of 44
CONTRACT	PROJECT
R-42248	1600693



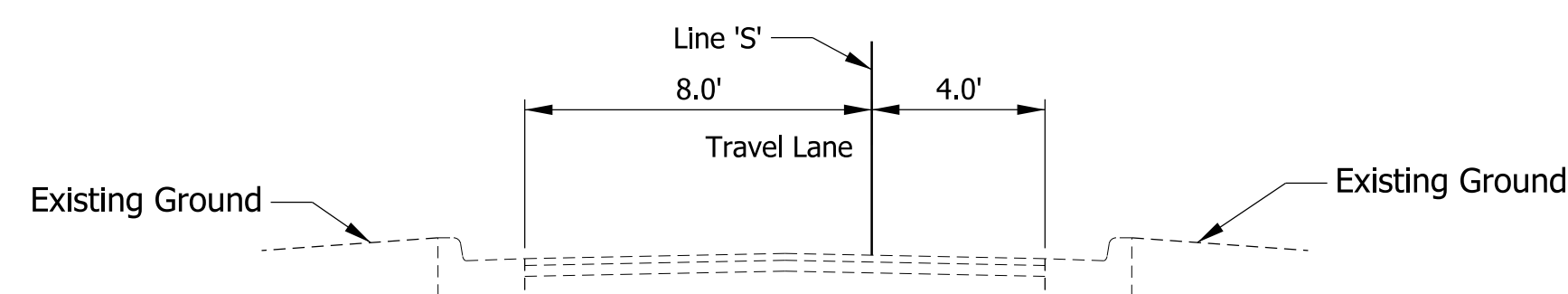
SR 130
 Scale 1/4" = 1'-0"
 Sta. 62+50.00 to Sta. 65+11.83 Line 'J'
 Sta. 66+55.00 to Sta. 69+25.00 Line 'J'



SR 130 and SR 51
 Scale 1/4" = 1'-0"
 Sta. 65+11.83 to Sta. 66+55.00 Line 'J'
 Sta. 45+90.00 to Sta. 49+48.55 Line 'C'



Cleveland Rd.
 Scale 1/4" = 1'-0"
 Sta. 50+75.27 to Sta. 53+06.31 Line 'C'



Bypass Lane
 Scale 1/4" = 1'-0"
 Sta. 00+50.00 to Sta. 2+45.00 Line 'S'

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PRELIMINARY
 NOT FOR CONSTRUCTION
 DATE: 7/20/2021

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: PFR _____	DRAWN: PFR _____	
CHECKED: LRD _____	CHECKED: LRD _____	

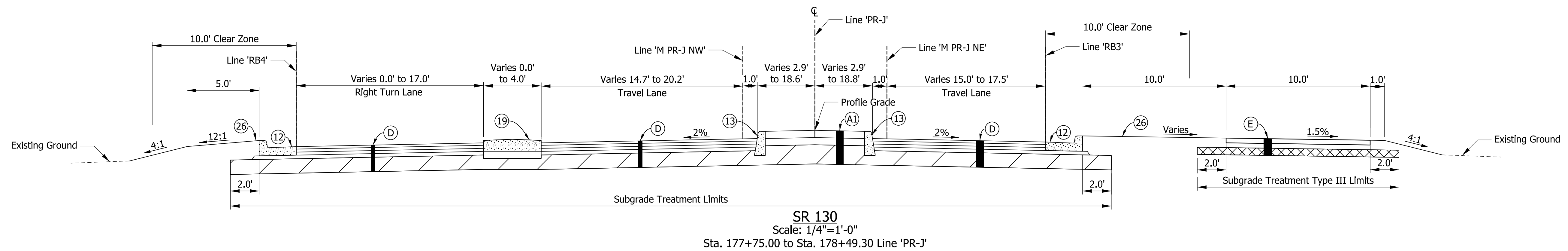
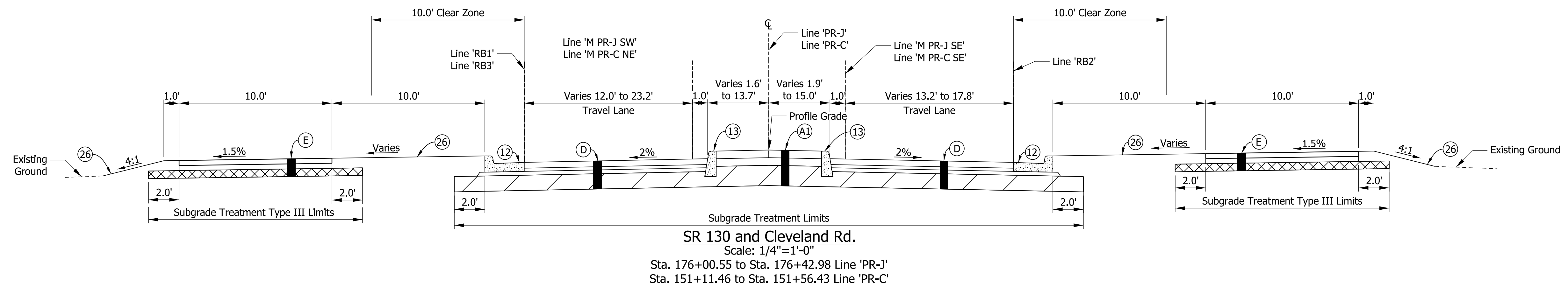
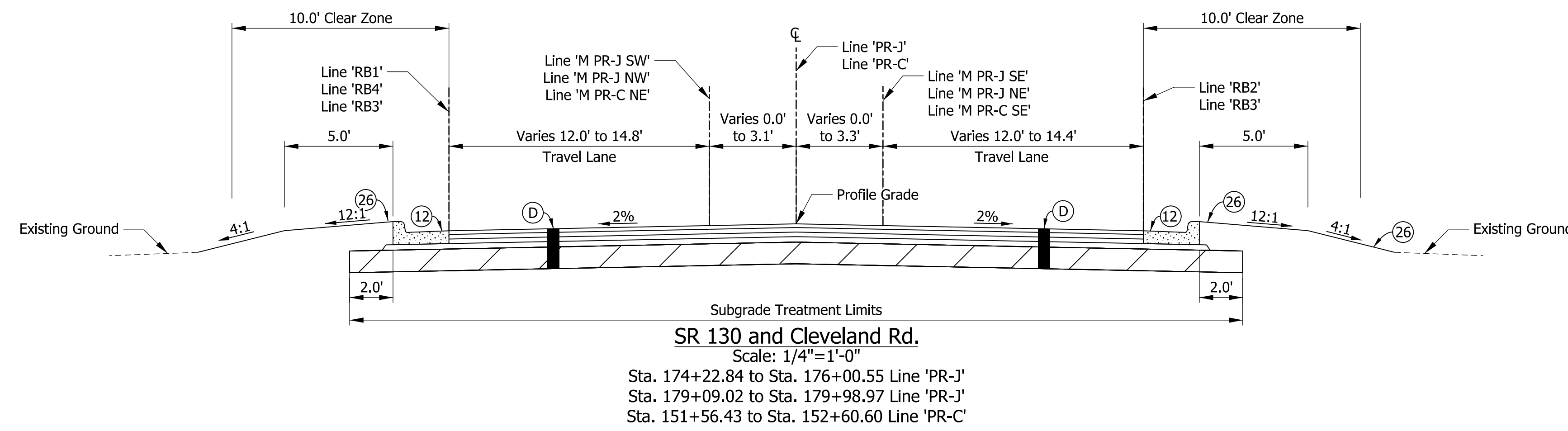
INDIANA
 DEPARTMENT OF TRANSPORTATION

SR 51 AT SR 130 INTERSECTION IMPROVEMENT
 EXISTING TYPICAL SECTIONS

HORIZONTAL SCALE	FILE
AS NOTED	
VERTICAL SCALE	DESIGNATION
N/A	1600693
SURVEY BOOK	SHEETS
ELECTRONIC	4 of 44
CONTRACT	PROJECT
R-42248	1600693

LEGEND

- (A) PCCP, 7 in., Colored, Jointed with D-1 Joints Spaced at 15 ft, with 1 in. Diameter Dowel Bars Spaced at 12 in., on 8 in. Compacted Aggregate No. 53, on Subgrade Treatment, Type IC
- (A1) PCCP, 6 in., Colored, on Dense Graded Subbase
- (D) 220 lb/syd QC/QA HMA, 2, 64, Surface, 9.5 mm, on 330 lb/syd QC/QA HMA, 2, 64, Intermediate, 19.0 mm, on 660 lb/syd QC/QA HMA, 2, 64, Base, 19.0 mm, (2-Lifts) on Subgrade Treatment, Type IC
- (E) HMA for Multi-use Trail consisting of 165 lb/syd HMA Surface, Type B, on 220 lb/syd HMA Intermediate, Type B, on 6" Compacted Aggregate No. 53, Base on Subgrade Treatment Type III
- (F) Sidewalk, Concrete, 4 in., on 4 in. Compacted Aggregate No. 53, Base, on Subgrade Treatment, Type III
- (O) Variable Depth Compacted Aggregate, No. 53
- (12) Curb and Gutter, Concrete
- (13) Curb, Concrete
- (14) Curb, Concrete, B, Sloping
- (19) Center Curb, A Concrete
- (26) Sodding



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PRELIMINARY
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DATE: 7/20/2021

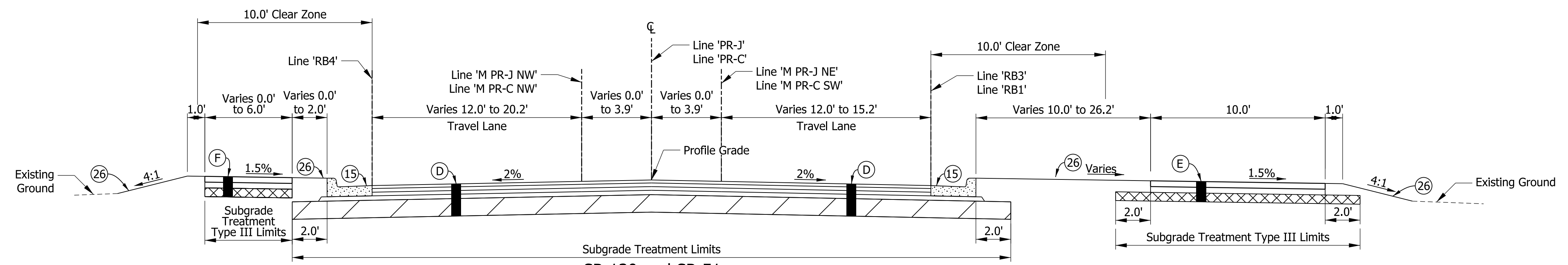
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: PFR	DRAWN: PFR	
CHECKED: LRD	CHECKED: LRD	

INDIANA
DEPARTMENT OF TRANSPORTATION

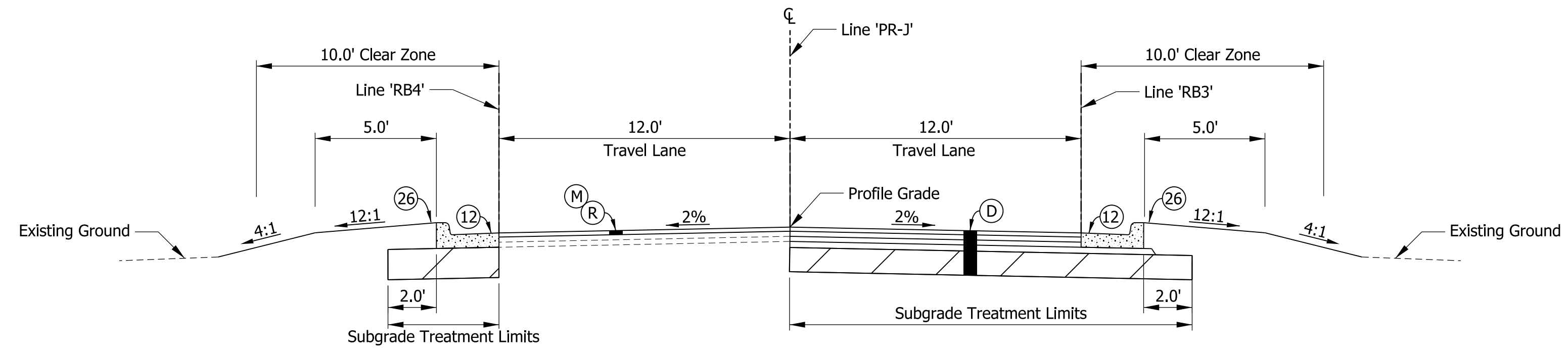
SR 51 AT SR 130 INTERSECTION IMPROVEMENT
PROPOSED TYPICAL SECTIONS

HORIZONTAL SCALE	FILE
AS NOTED	
VERTICAL SCALE	DESIGNATION
N/A	1600693
SURVEY BOOK	SHEETS
ELECTRONIC	5 of 44
CONTRACT	PROJECT
R-42248	1600693

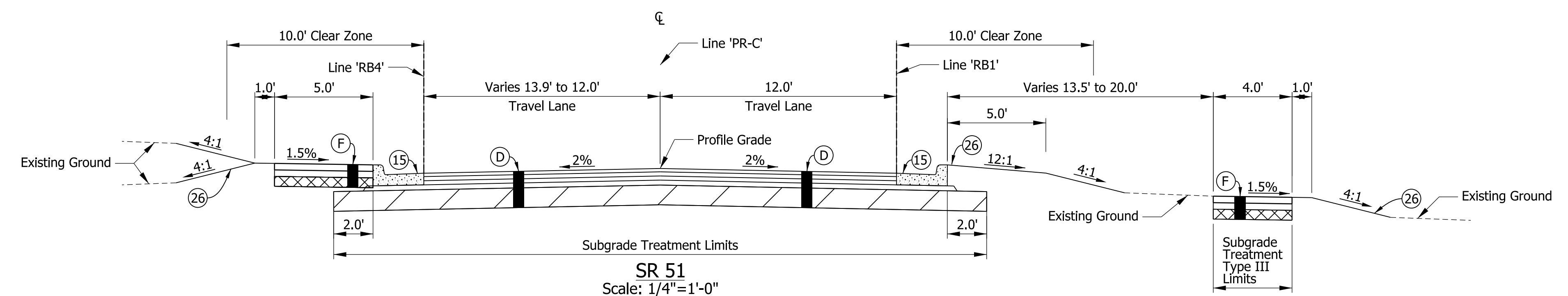
- LEGEND**
- (A) PCCP, 7 in., Colored, Jointed with D-1 Joints Spaced at 15 ft, with 1 in. Diameter Dowel Bars Spaced at 12 in., on 8 in. Compacted Aggregate No. 53, on Subgrade Treatment, Type IC
 - (A1) PCCP, 6 in., Colored, on Dense Graded Subbase
 - (D) 220 lb/syd QC/QA HMA, 2, 64, Surface, 9.5 mm, on 330 lb/syd QC/QA HMA, 2, 64, Intermediate, 19.0 mm, on 660 lb/syd QC/QA HMA, 2, 64, Base, 19.0 mm, (2-Lifts) on Subgrade Treatment, Type IC
 - (E) HMA for Multi-use Trail consisting of 165 lb/syd HMA Surface, Type B, on 220 lb/syd HMA Intermediate, Type B, on 6" Compacted Aggregate No. 53, Base on Subgrade Treatment Type III
 - (F) Sidewalk, Concrete, 4 in., on 4 in. Compacted Aggregate No. 53, Base, on Subgrade Treatment, Type III
 - (O) Variable Depth Compacted Aggregate, No. 53
 - (12) Curb and Gutter, Concrete
 - (13) Curb, Concrete
 - (14) Curb, Concrete, B, Sloping
 - (19) Center Curb, A Concrete
 - (26) Sodding



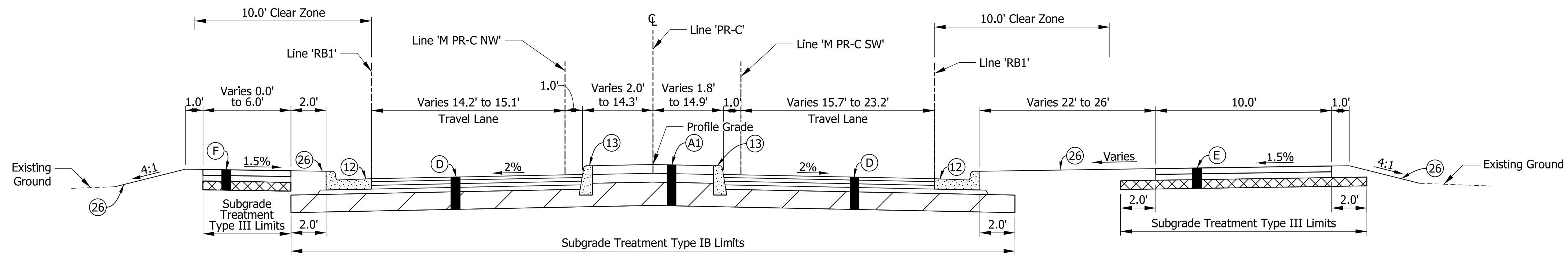
SR 130 and SR 51
 Scale: 1/4"=1'-0"
 Sta. 178+49.30 to Sta. 179+09.02 Line 'PR-J'
 Sta. 148+25.25 to Sta. 149+31.61 Line 'PR-C'



SR 130
 Scale: 1/4"=1'-0"
 Sta. 179+98.97 to Sta. 180+28.35 Line 'PR-J'



SR 51
 Scale: 1/4"=1'-0"
 Sta. 146+47.94 to Sta. 148+25.25 Line 'PR-C'



SR 51
 Scale: 1/4"=1'-0"
 Sta. 149+31.61 to Sta. 149+79.12 Line 'PR-C'

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PRELIMINARY
 NOT FOR CONSTRUCTION
 DATE: 7/20/2021

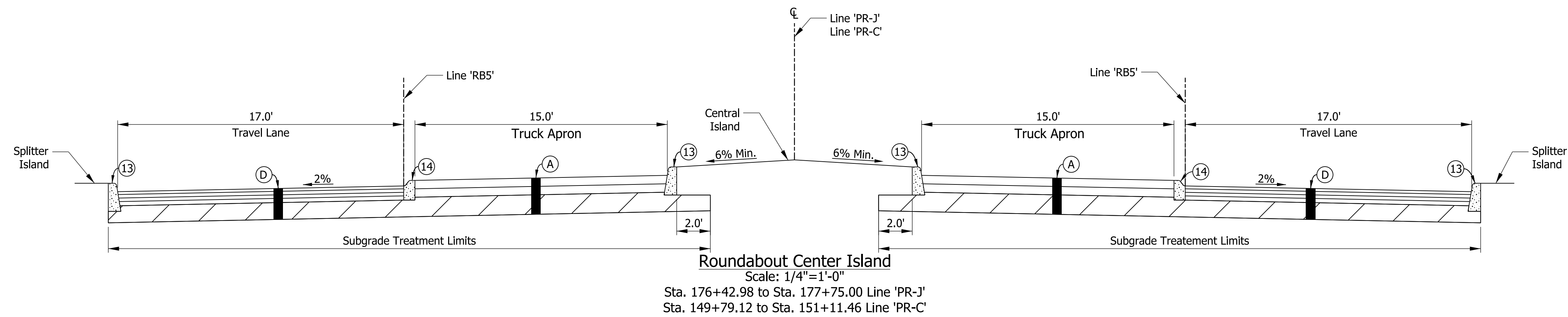
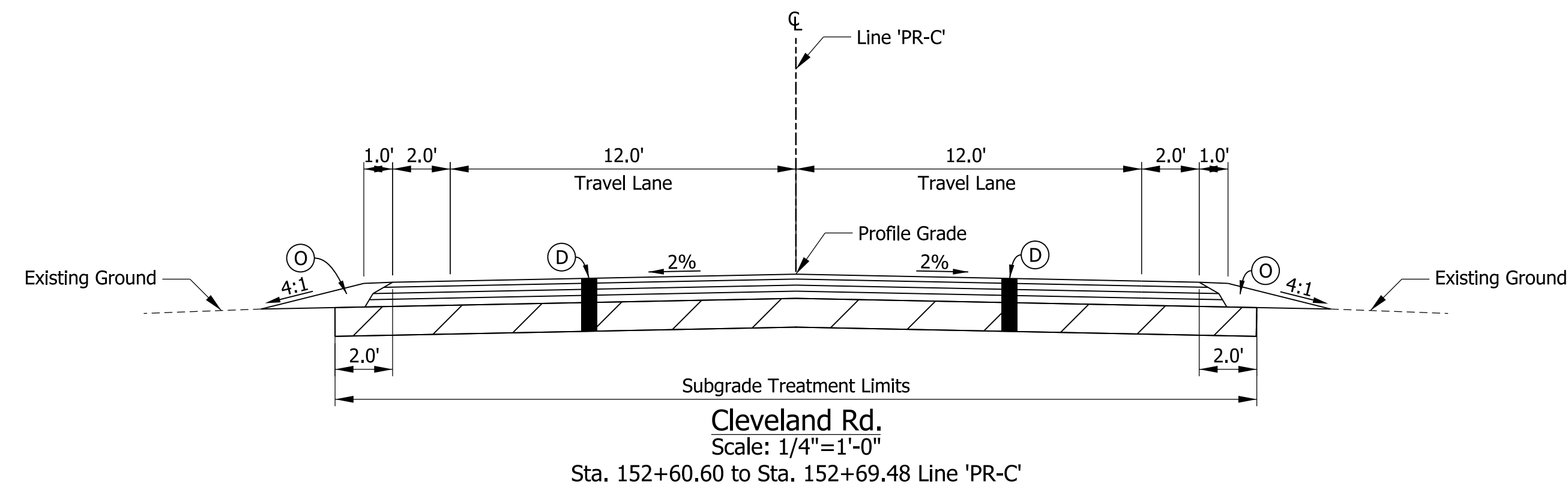
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: PFR	DRAWN: PFR	
CHECKED: LRD	CHECKED: LRD	

INDIANA
 DEPARTMENT OF TRANSPORTATION
 SR 51 AT SR 130 INTERSECTION IMPROVEMENT
 PROPOSED TYPICAL SECTIONS

HORIZONTAL SCALE	FILE
AS NOTED	
VERTICAL SCALE	DESIGNATION
N/A	1600693
SURVEY BOOK	SHEETS
ELECTRONIC	6 of 44
CONTRACT	PROJECT
R-42248	1600693

LEGEND

- (A) PCCP, 7 in., Colored, Jointed with D-1 Joints Spaced at 15 ft, with 1 in. Diameter Dowel Bars Spaced at 12 in., on 8 in. Compacted Aggregate No. 53, on Subgrade Treatment, Type IC
- (A1) PCCP, 6 in., Colored, on Dense Graded Subbase
- (D) 220 lb/syd QC/QA HMA, 2, 64, Surface, 9.5 mm, on 330 lb/syd QC/QA HMA, 2, 64, Intermediate, 19.0 mm, on 660 lb/syd QC/QA HMA, 2, 64, Base, 19.0 mm, (2-Lifts) on Subgrade Treatment, Type IC
- (E) HMA for Multi-use Trail consisting of 165 lb/syd HMA Surface, Type B, on 220 lb/syd HMA Intermediate, Type B, on 6" Compacted Aggregate No. 53, Base on Subgrade Treatment Type III
- (F) Sidewalk, Concrete, 4 in., on 4 in. Compacted Aggregate No. 53, Base, on Subgrade Treatment, Type III
- (O) Variable Depth Compacted Aggregate, No. 53
- (12) Curb and Gutter, Concrete
- (13) Curb, Concrete
- (14) Curb, Concrete, B, Sloping
- (19) Center Curb, A Concrete
- (26) Sodding



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PRELIMINARY
NOT FOR CONSTRUCTION
DATE: 7/20/2021

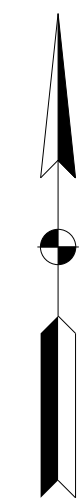
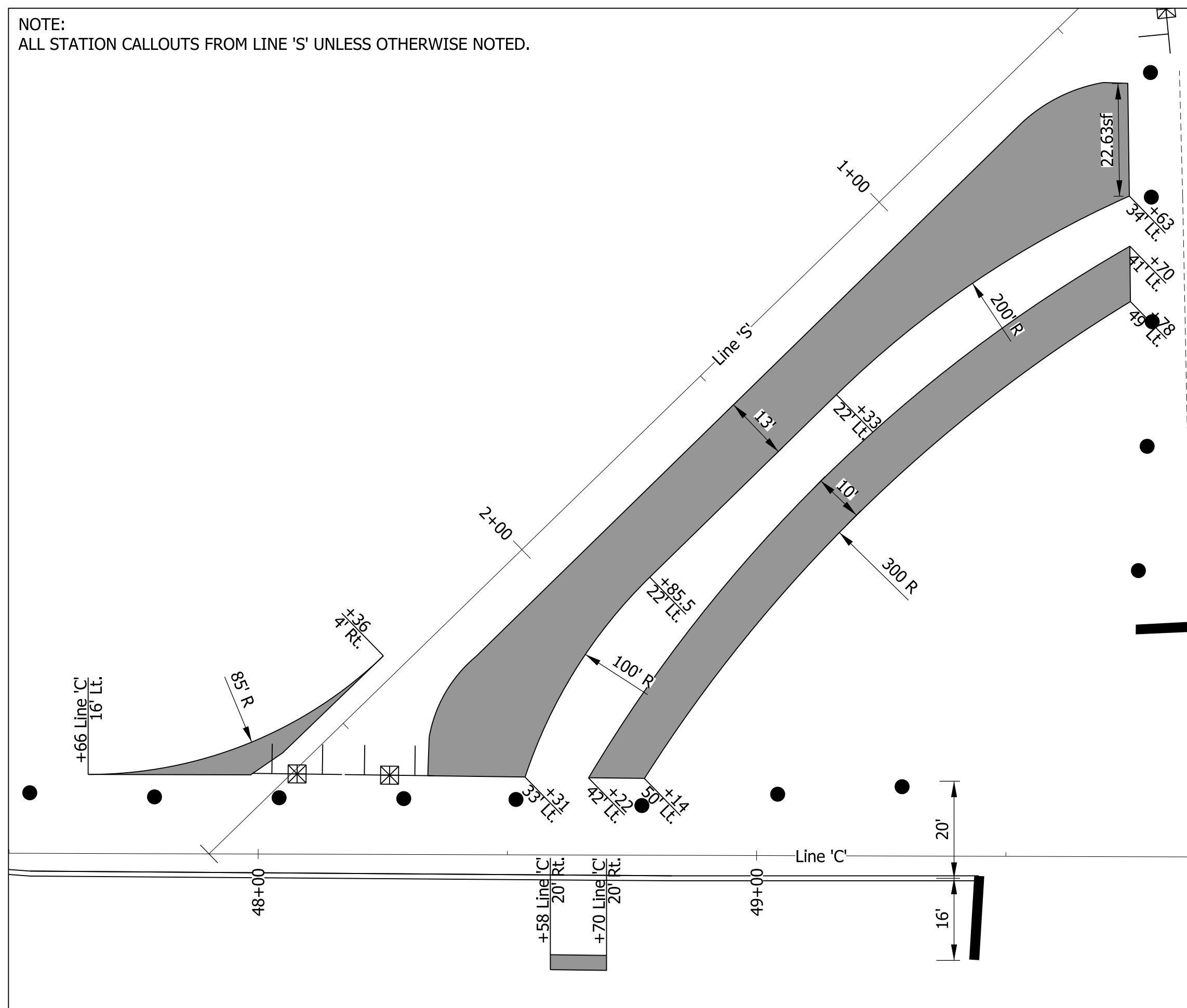
RECOMMENDED FOR APPROVAL _____	
DESIGN ENGINEER	DATE
DESIGNED: PFR	DRAWN: PFR
CHECKED: LRD	CHECKED: LRD

INDIANA
DEPARTMENT OF TRANSPORTATION

SR 51 AT SR 130 INTERSECTION IMPROVEMENT
PROPOSED TYPICAL SECTIONS

HORIZONTAL SCALE	FILE
AS NOTED	
VERTICAL SCALE	DESIGNATION
N/A	1600693
SURVEY BOOK	SHEETS
ELECTRONIC	7 of 44
CONTRACT	PROJECT
R-42248	1600693

NOTE:
ALL STATION CALLOUTS FROM LINE 'S' UNLESS OTHERWISE NOTED.



LEGEND:

- Barricade Type III-A/III-B
- Construction Sign
- Type 'A' Construction Warning Light
- Type 'B' Construction Warning Light
- Channelizing Device
- Construction Barrel
- Channelizing Device Tubular Marker
- Direction of Traffic
- Construction Area
- Line Removal
- Worksite Speed Limit Assembly (25 mph)
- Road Closure Sign Assembly per INDOT Standard Drawings E 801-TCDV (R11-4)
- Temporary Pavement Marking, White 4"
- Temporary Pavement Marking, Yellow 4"
- HMA for Temporary Pavement Consisting of: 165 lb/syd HMA, Surface, Type B, on 275 lb/syd HMA, Intermediate, Type B, on 330 lb/syd HMA Base, Type B
- HMA for Temporary Pavement Consisting of: 220 lb/syd HMA, Surface, Type D
- SPEEDING MAX 55000 RECKLESS DRIVING MAX 6 W/S XW2-6-A
- END CONSTRUCTION XG20-2
- ROAD CLOSED AHEAD XW20-3
- ROAD CONSTRUCTION AHEAD XW20-1
- WORKSITE SPEED LIMIT 25 XG20-5P R2-1-B

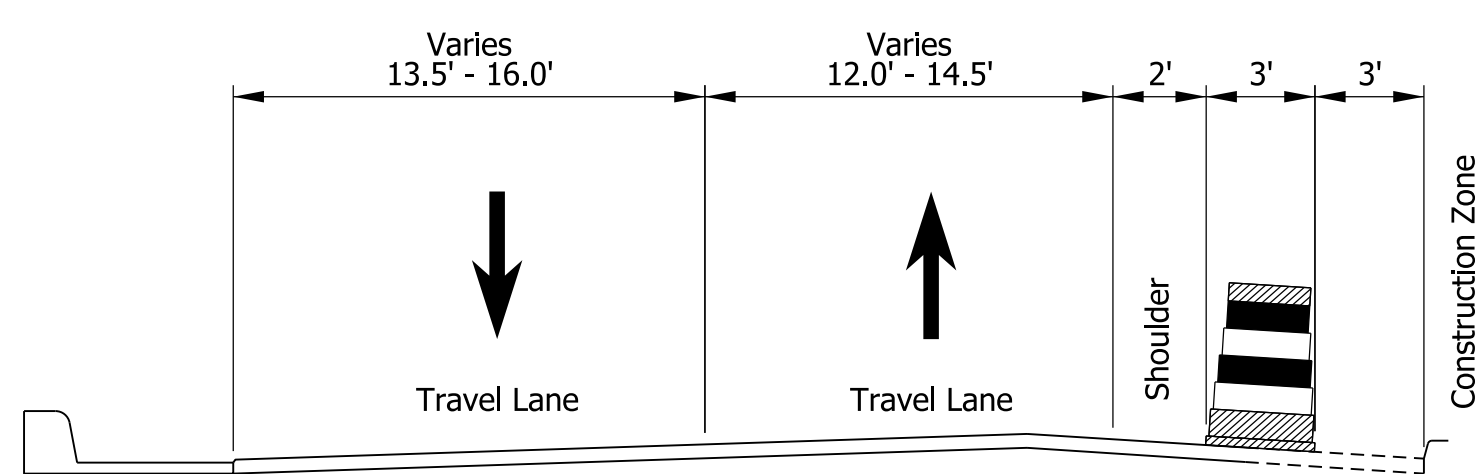
General Notes:

- Emergency traffic shall have access to the project area at all times.
- Access to commercial properties shall be maintained at all times.
- Type A warning lights required on all type A construction signs.
- Spacing of channeling devices shall be 25 ft.
- All materials, procedures, signs, marking flashers, and miscellaneous items shall conform to the requirements of the current INDOT standard specifications and the Indiana Manual on Uniform Traffic Control Devices.

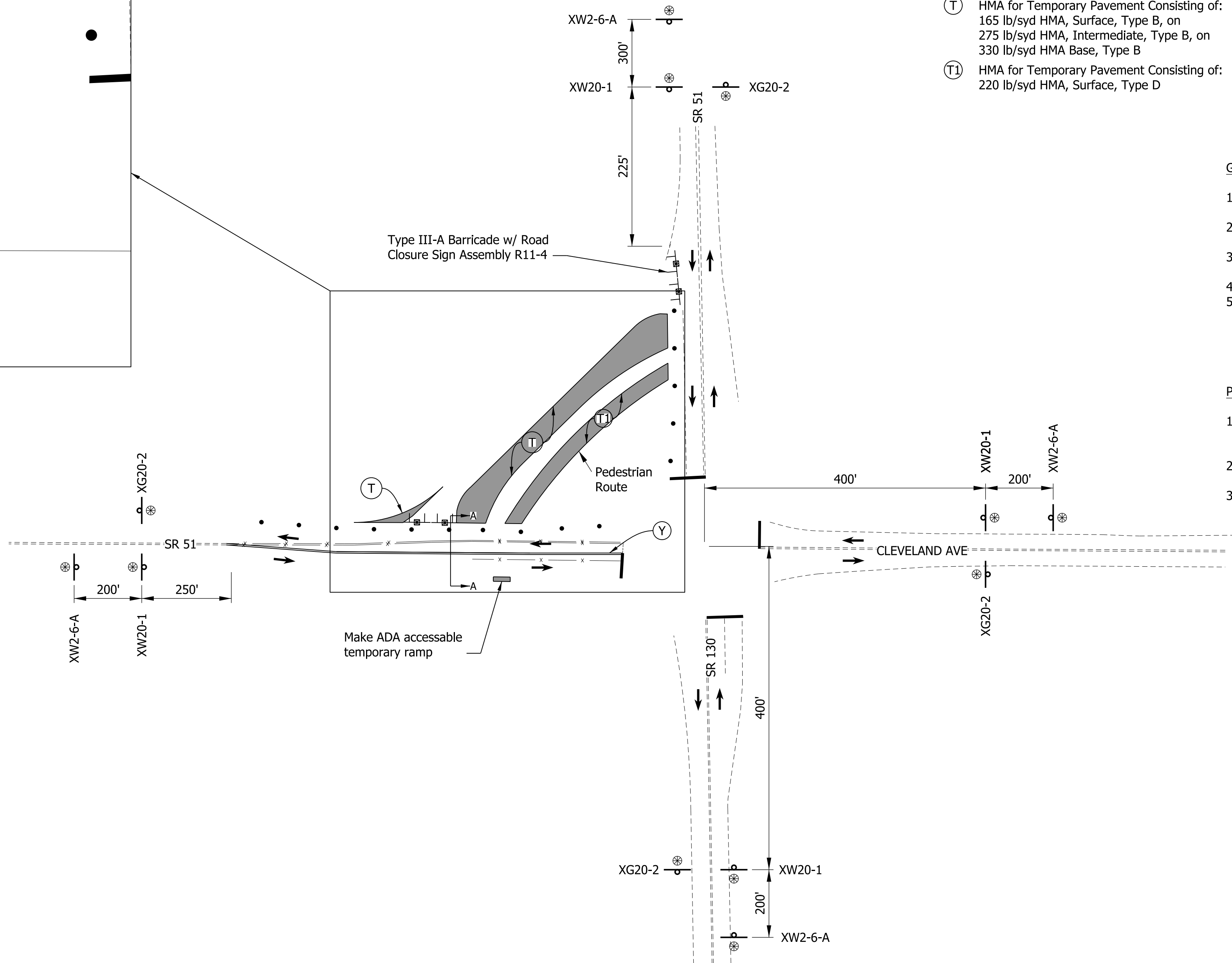
Phase I Construction Items:

- Removal of yellow markings and placement of new temporary yellow markings to provide proper construction clear zone.
- Temporary pavement for vehicles and pedestrians along the right turn bypass lane.
- Placement of temporary ADA accessible pedestrian ramp.

Summary of Quantities - 1600693	
Construction Sign Type A	16 EA
Construction Sign Type C	15 EA
Worksite Speed Limit Assembly	1 EA
Road Closure Sign Assembly	4 EA
Detour Route Marker Assembly	55 EA
Line Removal	992 LF
Temporary 4" Pavement Marking (Yellow)	1,367 LF
Temporary 4" Pavement Marking (White)	425 LF
Type III-A Barricade	104 LF
Temporary Asphalt (T)	337 SY
Temporary Asphalt (T1)	159 SY



Typical Section 'A-A'



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PRELIMINARY
NOT FOR CONSTRUCTION
DATE: 7/20/2021

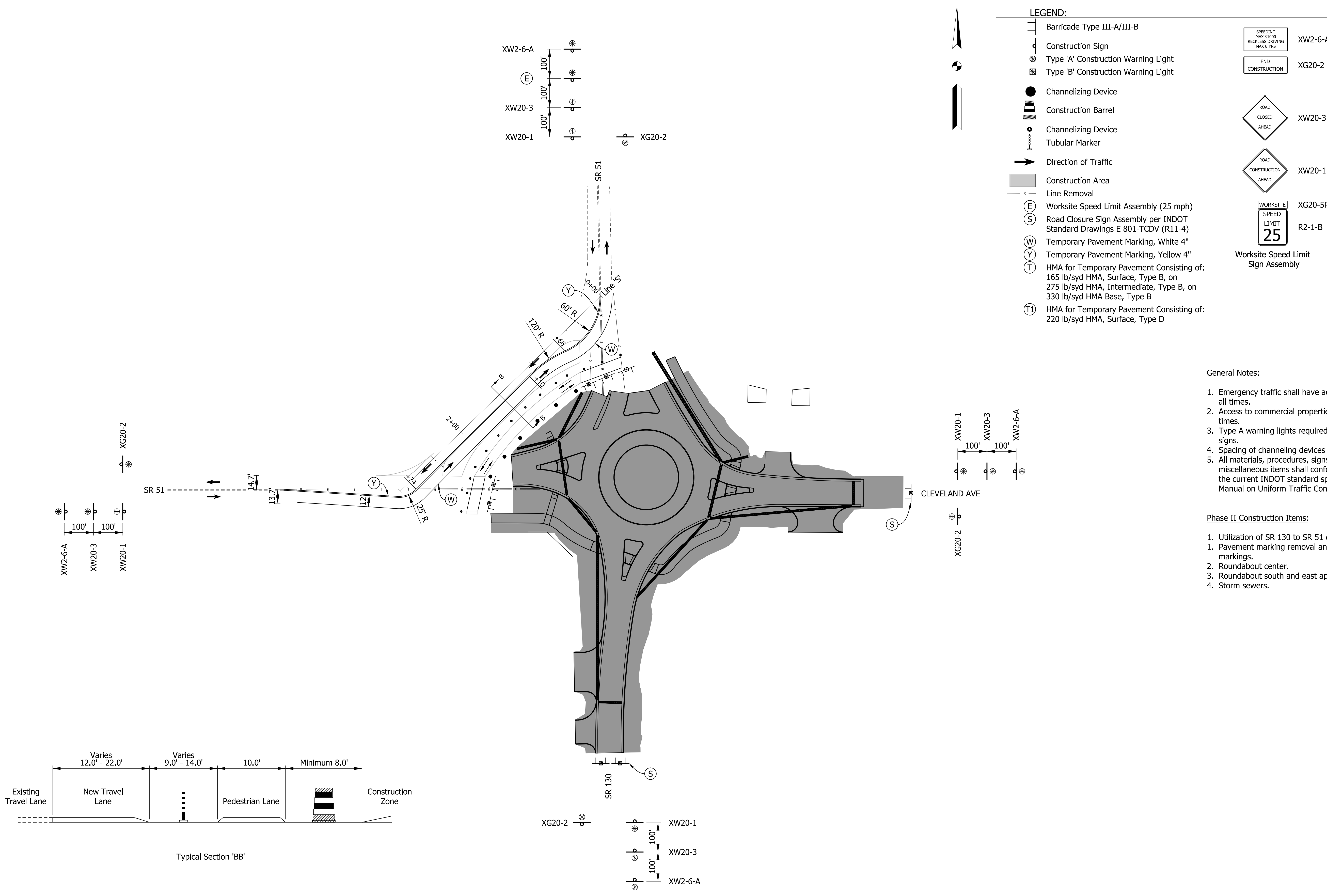
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: PFR	DRAWN: PFR	
CHECKED: LRD	CHECKED: LRD	

INDIANA DEPARTMENT OF TRANSPORTATION

SR 51 AT SR 130 INTERSECTION IMPROVEMENT
MAINTENANCE OF TRAFFIC - PHASE 1

HORIZONTAL SCALE	FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
N/A	1600693
SURVEY BOOK	SHEETS
ELECTRONIC	8 of 44
CONTRACT	PROJECT
R-42248	1600693

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LEGEND:

	Barricade Type III-A/III-B		SPEEDING MAX 5500 RECKLESS DRIVING MAX 6 W/S	XW2-6-A
	Construction Sign			XG20-2
	Type 'A' Construction Warning Light			
	Type 'B' Construction Warning Light			
	Channelizing Device			
	Construction Barrel			
	Channelizing Device Tubular Marker			
	Direction of Traffic			
	Construction Area			
	Line Removal			XG20-5P
	Worksite Speed Limit Assembly (25 mph)			R2-1-B
	Road Closure Sign Assembly per INDOT Standard Drawings E 801-TCDV (R11-4)			
	Temporary Pavement Marking, White 4"			
	Temporary Pavement Marking, Yellow 4"			
	HMA for Temporary Pavement Consisting of: 165 lb/syd HMA, Surface, Type B, on 275 lb/syd HMA, Intermediate, Type B, on 330 lb/syd HMA Base, Type B			
	HMA for Temporary Pavement Consisting of: 220 lb/syd HMA, Surface, Type D			

- General Notes:**
- Emergency traffic shall have access to the project area at all times.
 - Access to commercial properties shall be maintained at all times.
 - Type A warning lights required on all type A construction signs.
 - Spacing of channelizing devices shall be 25 ft.
 - All materials, procedures, signs, marking flashers, and miscellaneous items shall conform to the requirements of the current INDOT standard specifications and the Indiana Manual on Uniform Traffic Control Devices.

- Phase II Construction Items:**
- Utilization of SR 130 to SR 51 detour plan on page XX
 - Pavement marking removal and placement of new markings.
 - Roundabout center.
 - Storm sewers.



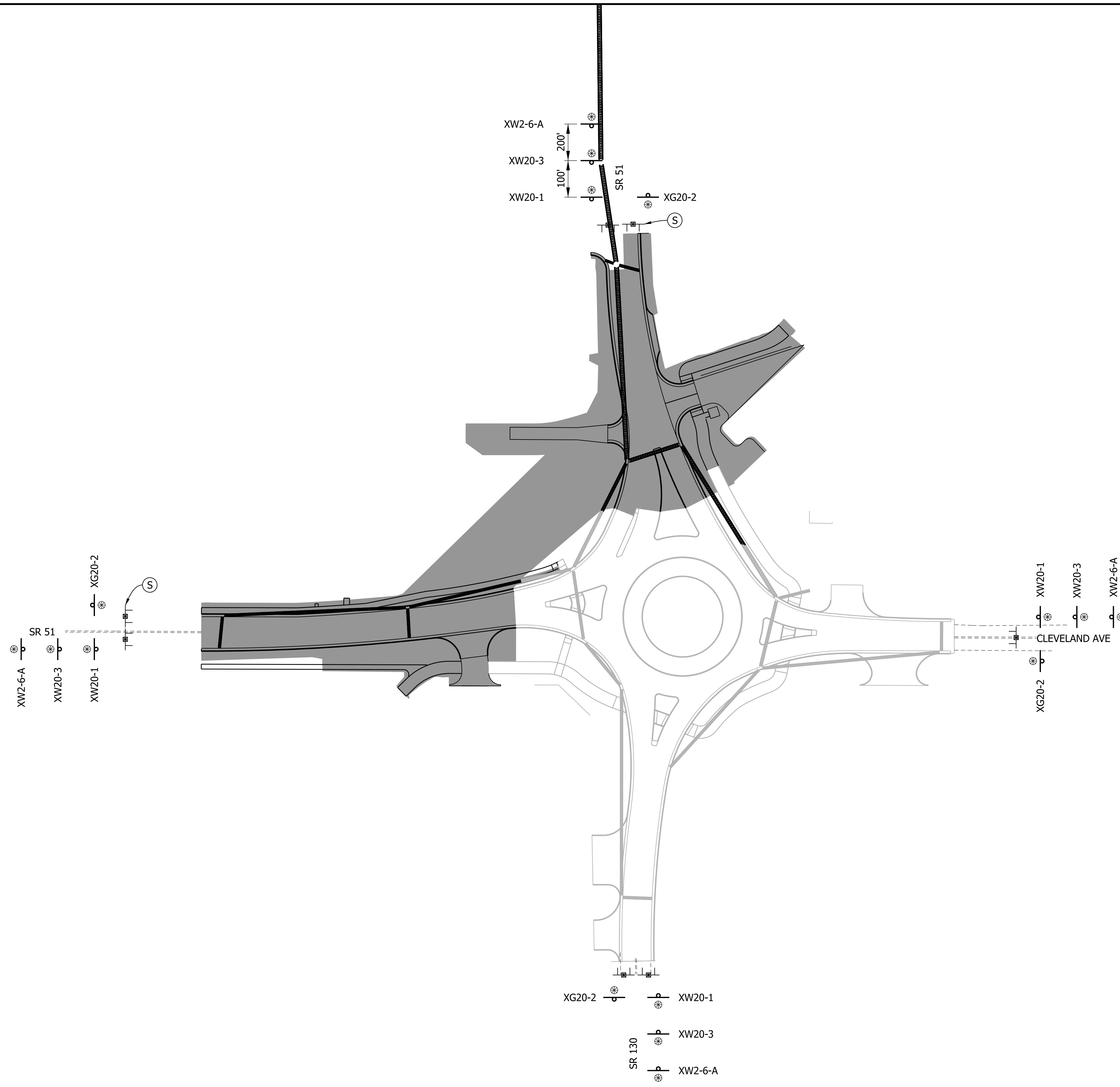
PRELIMINARY
NOT FOR CONSTRUCTION
DATE: 7/20/2021

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: PFR	DRAWN: PFR	
CHECKED: LRD	CHECKED: LRD	

INDIANA
DEPARTMENT OF TRANSPORTATION
 SR 51 AT SR 130 INTERSECTION IMPROVEMENT
 MAINTENANCE OF TRAFFIC - PHASE 2

HORIZONTAL SCALE	FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
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SURVEY BOOK	SHEETS
ELECTRONIC	9 of 44
CONTRACT	PROJECT
R-42248	1600693

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LEGEND:

	Barricade Type III-A/III-B		XW2-6-A
	Construction Sign		XG20-2
	Type 'A' Construction Warning Light		XW20-3
	Type 'B' Construction Warning Light		XW20-1
	Channelizing Device		XG20-5P
	Construction Barrel		R2-1-B
	Channelizing Device Tubular Marker		
	Direction of Traffic		
	Construction Area		
	Line Removal		
	Worksite Speed Limit Assembly (25 mph)		
	Road Closure Sign Assembly per INDOT Standard Drawings E 801-TCDV (R11-4)		
	Temporary Pavement Marking, White 4"		
	Temporary Pavement Marking, Yellow 4"		
	HMA for Temporary Pavement Consisting of: 165 lb/syd HMA, Surface, Type B, on 275 lb/syd HMA, Intermediate, Type B, on 330 lb/syd HMA Base, Type B		
	HMA for Temporary Pavement Consisting of: 220 lb/syd HMA, Surface, Type D		

General Notes:

- Emergency traffic shall have access to the project area at all times.
- Access to commercial properties shall be maintained at all times.
- Type A warning lights required on all type A construction signs.
- Spacing of channeling devices shall be 25 ft.
- All materials, procedures, signs, marking flashers, and miscellaneous items shall conform to the requirements of the current INDOT standard specifications and the Indiana Manual on Uniform Traffic Control Devices.

Phase II Construction Items:

- Utilization of SR 130 to SR 51 detour plan on page XX and SR 51 South to SR 51 North on page XX
- Roundabout north and west approaches.
- Storm sewers.



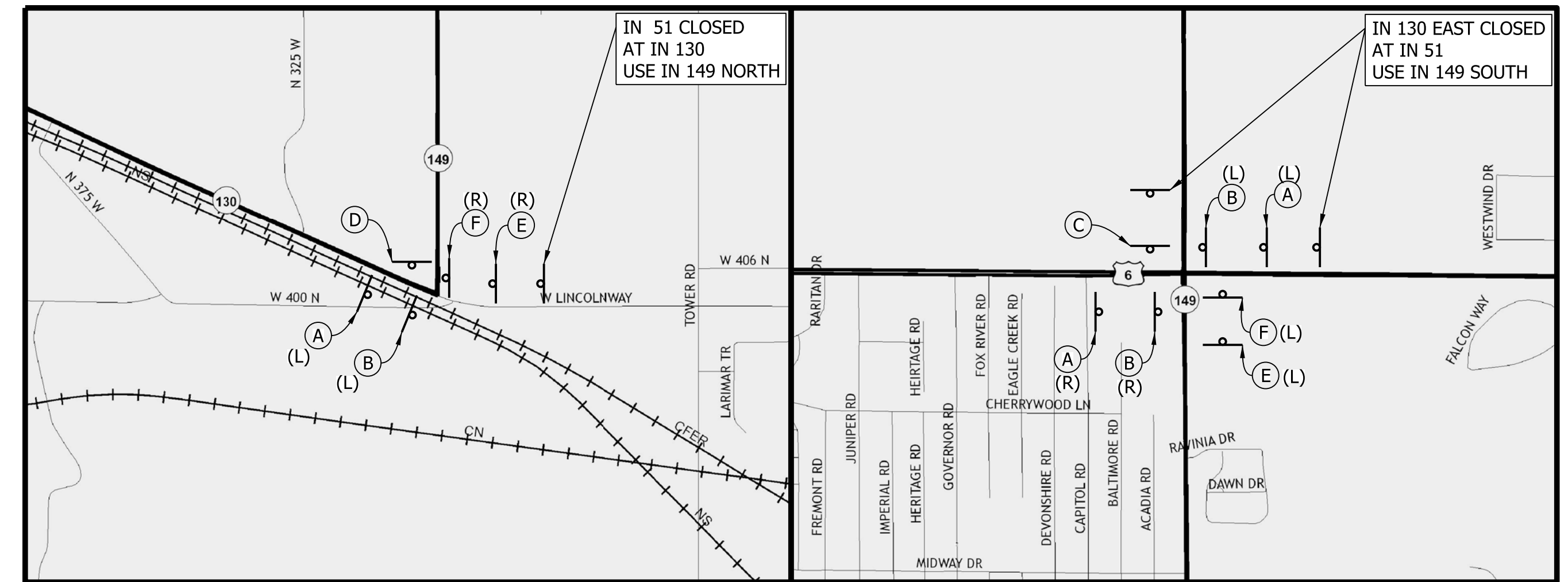
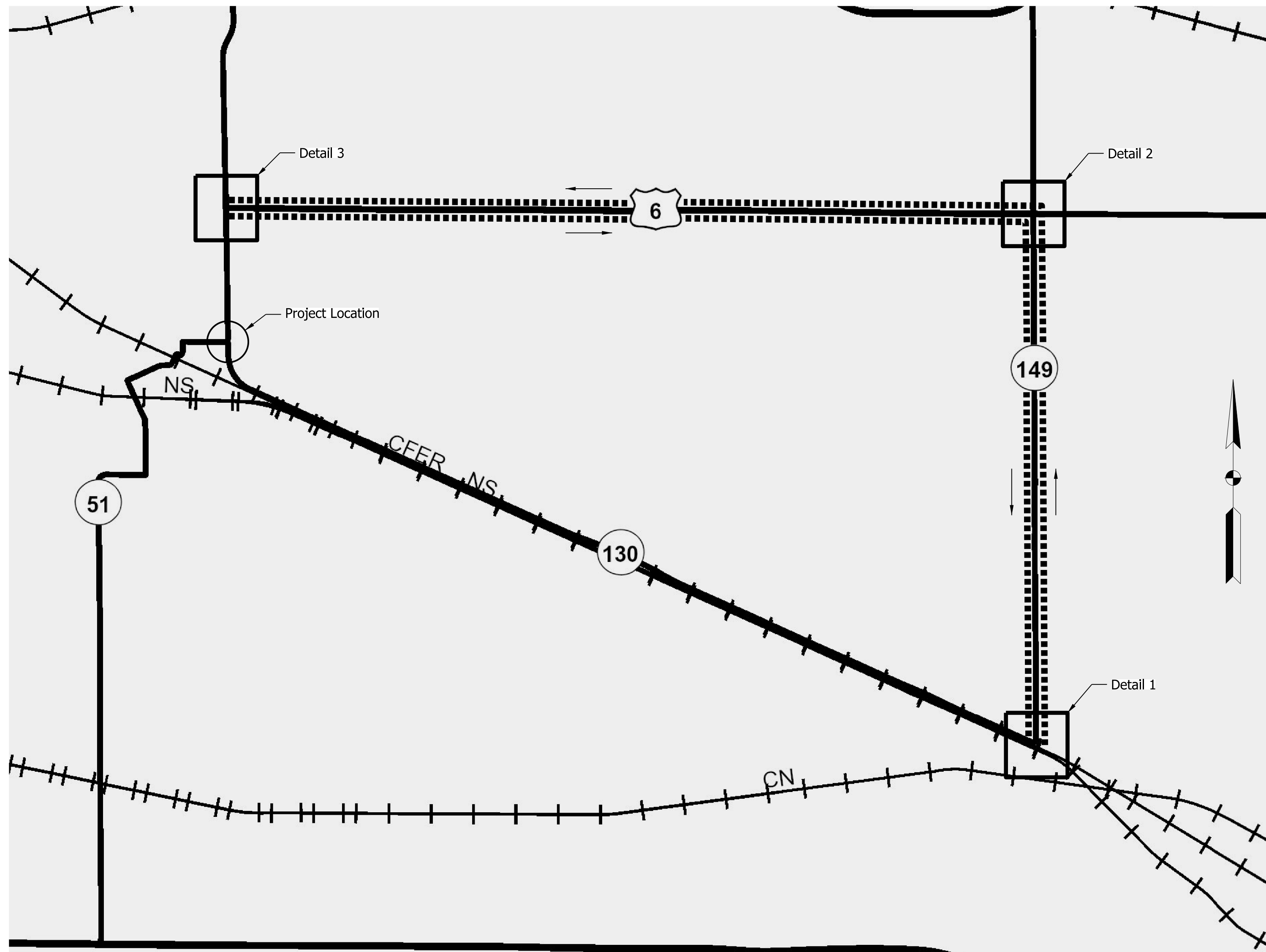
PRELIMINARY
NOT FOR CONSTRUCTION
DATE: 7/20/2021

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: PFR	DRAWN: PFR	
CHECKED: LRD	CHECKED: LRD	

INDIANA
DEPARTMENT OF TRANSPORTATION

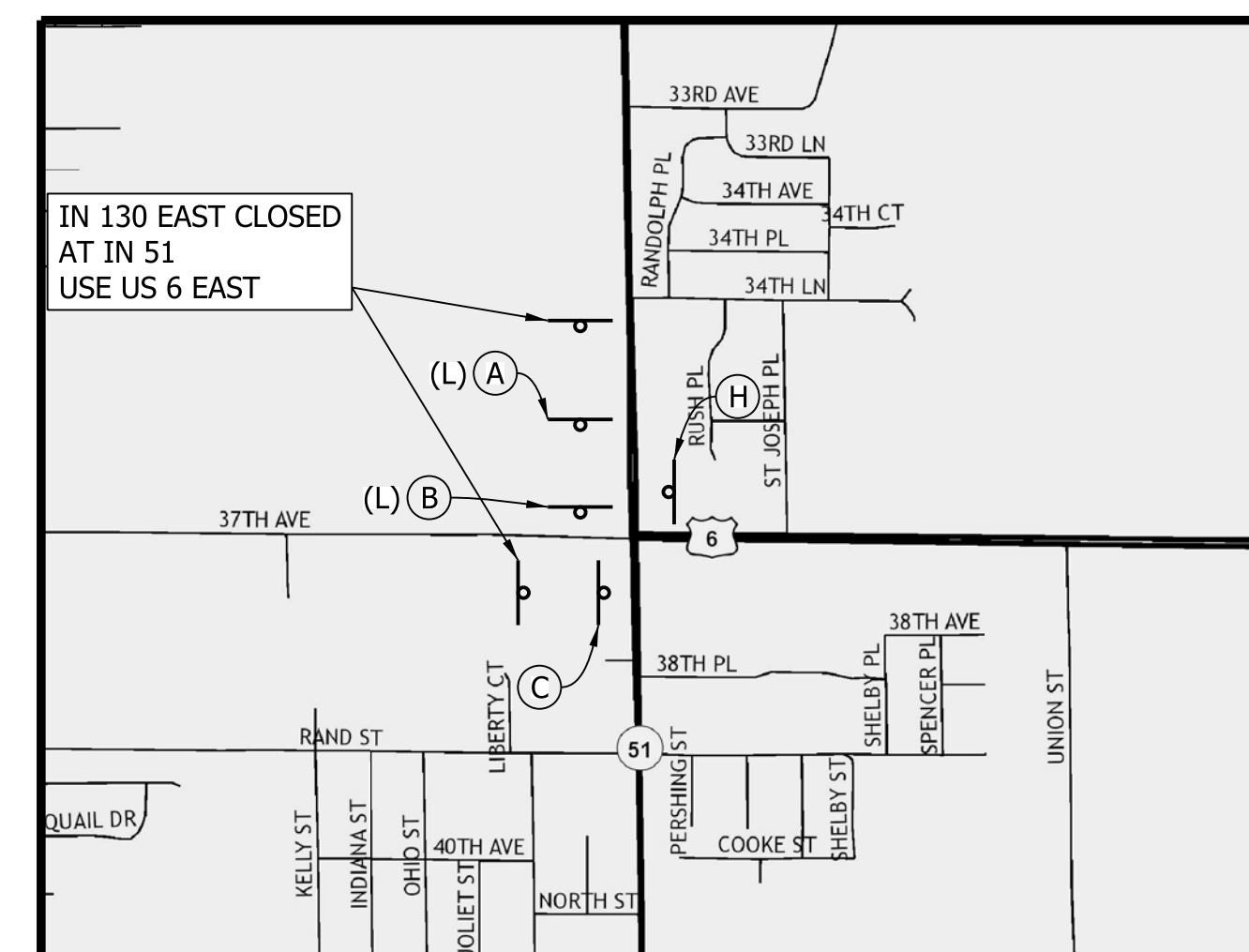
SR 51 AT SR 130 INTERSECTION IMPROVEMENT
MAINTENANCE OF TRAFFIC - PHASE 3

HORIZONTAL SCALE	FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
N/A	1600693
SURVEY BOOK	SHEETS
ELECTRONIC	10 of 44
CONTRACT	PROJECT
R-42248	1600693



DETAIL 1
SR 130 - SR 149

DETAIL 2
SR 149 - US 6



DETAIL 3
US 6 - SR 51

- | | | | |
|---|---|--|---|
| | | | |
| <p>(A) Advanced Turn Detour Route Marker Assembly (L or R, R shown)</p> | <p>(B) Directional Detour Route Marker Assembly (L or R, R shown)</p> | <p>(C) Confirming Detour Route Marker Assembly</p> | <p>(D) End Detour Route Marker Assembly</p> |
| | | | |
| <p>(E) Advanced Turn Detour Route Marker Assembly (L or R, R shown)</p> | <p>(F) Directional Detour Route Marker Assembly (L or R, R shown)</p> | <p>(G) Confirming Detour Route Marker Assembly</p> | <p>(H) End Detour Route Marker Assembly</p> |

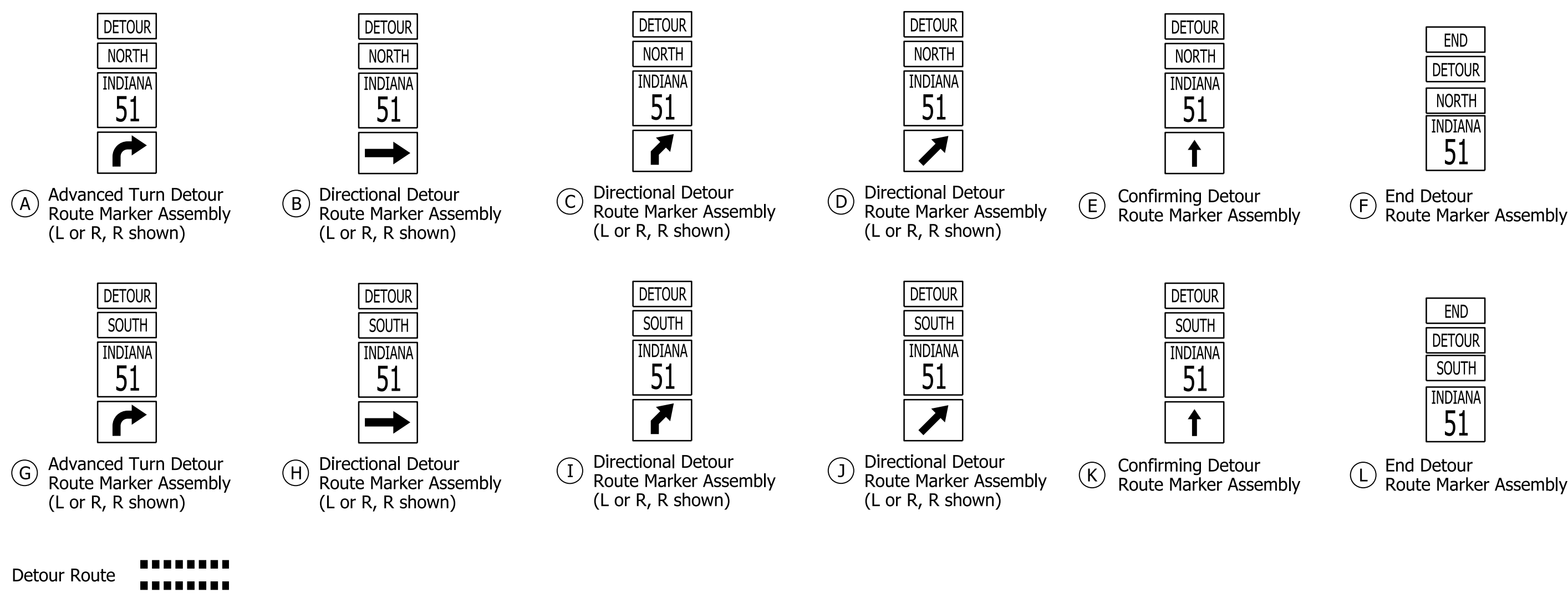
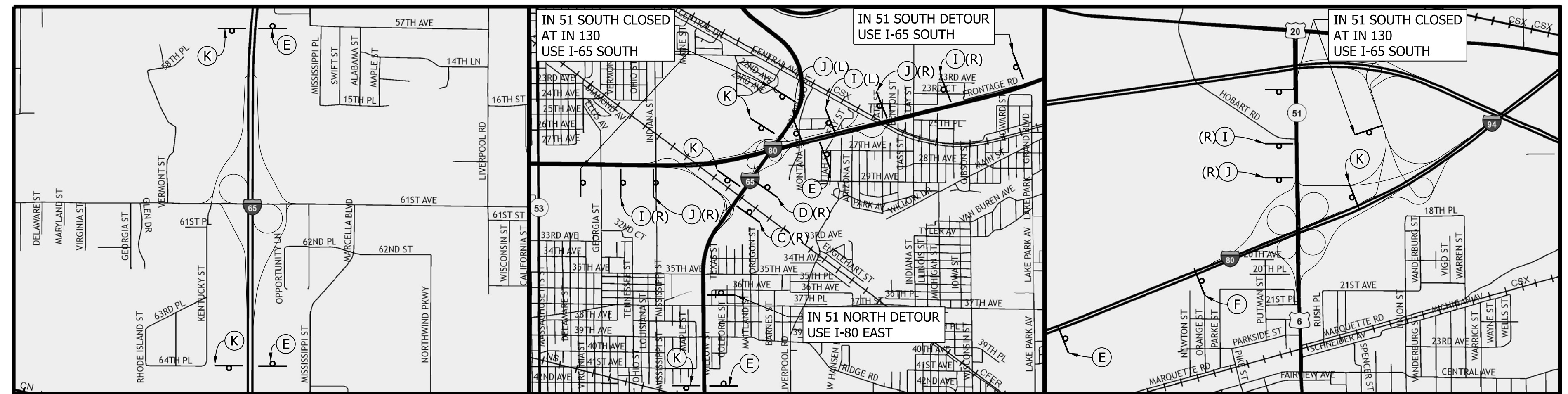
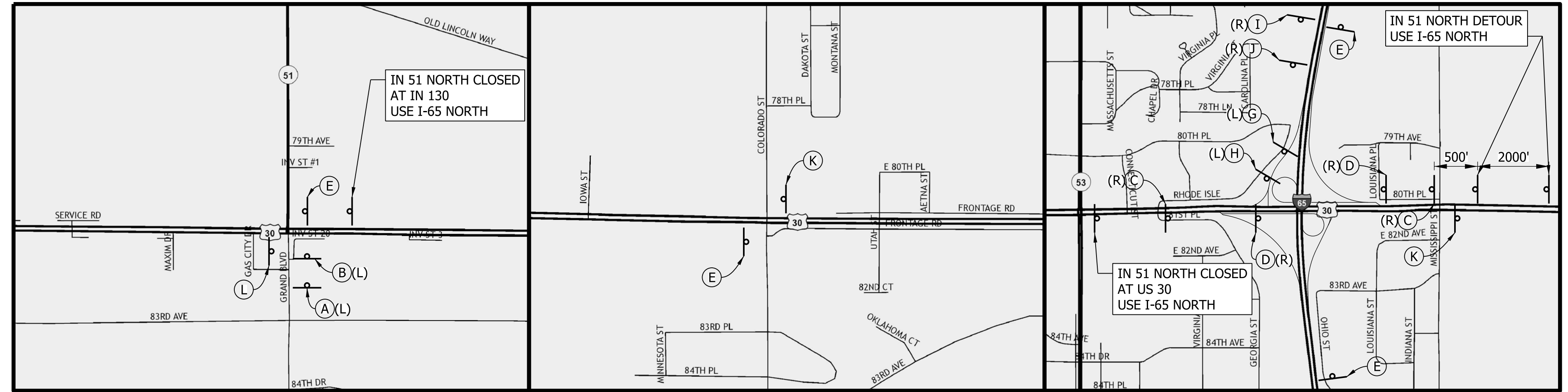
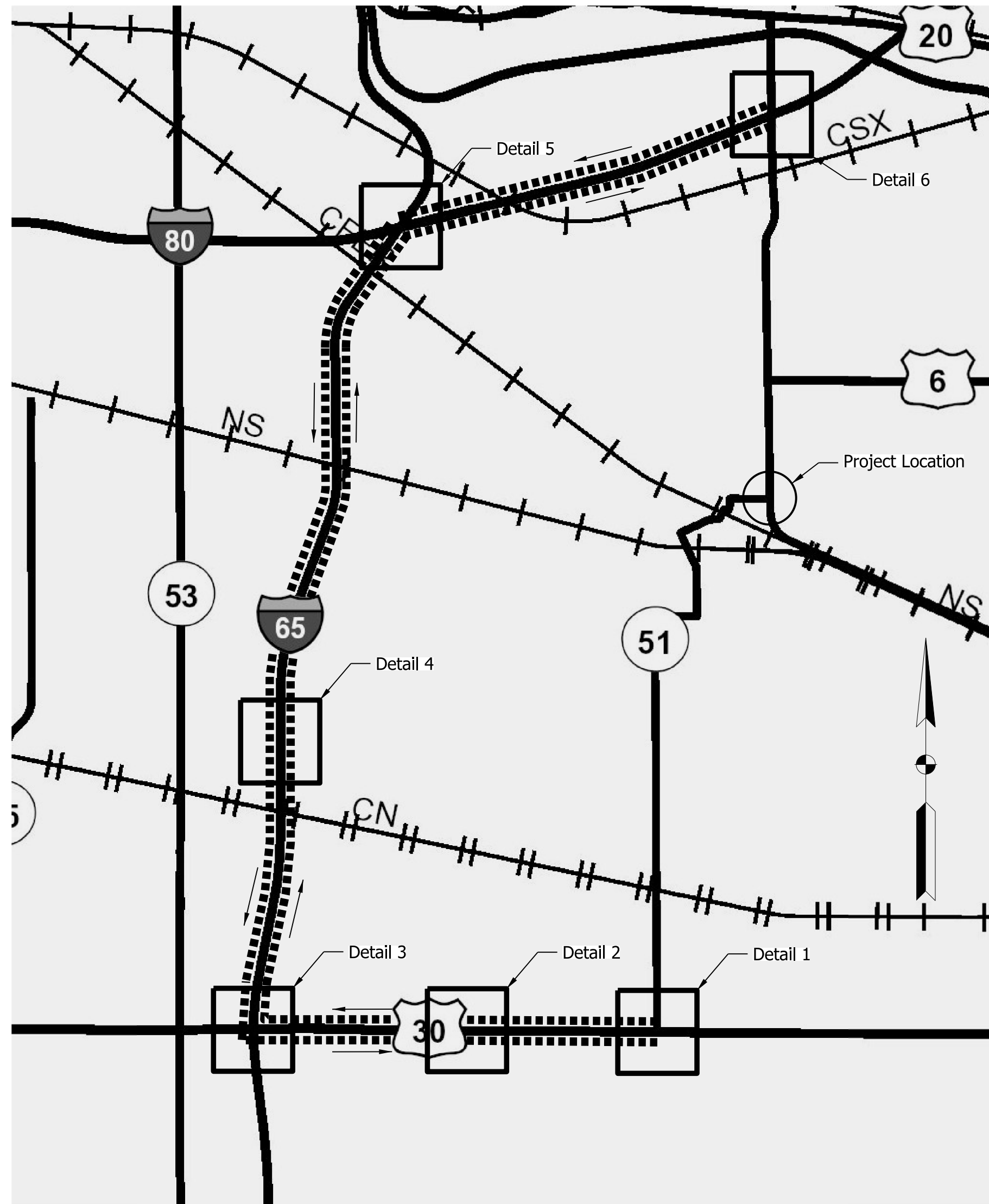
Detour Route

SR 51 NORTH
SR 51 NORTH to US 6 EAST
US 6 EAST to SR 149 SOUTH
SR 149 SOUTH to SR 130

SR 130 EAST
SR 130 EAST to SR 149 NORTH
SR 149 NORTH to US 6 WEST
US 6 WEST to SR 51

DETOUR ROUTE ASSEMBLY SCHEDULE	
ASSEMBLY A	4 EA
ASSEMBLY B	4 EA
ASSEMBLY C	2 EA
ASSEMBLY D	1 EA
ASSEMBLY E	2 EA
ASSEMBLY F	2 EA
ASSEMBLY G	0 EA
ASSEMBLY H	1 EA
TOTAL	16 EA

GENERAL NOTES: ALL ITEMS SHALL BE INSTALLED PER INDOT STANDARD SPECIFICATIONS AND THE INDIANA MUTCD. DIRECTIONAL DETOUR ROUTE MARKER ASSEMBLIES SHALL BE LOCATED 100-200 FT IN ADVANCE OF A REQUIRED TURN. ADVANCE TURN DETOUR ROUTE MARKER ASSEMBLIES SHALL BE LOCATED 500 FT PRIOR TO THE DIRECTIONAL DETOUR ROUTE MARKER ASSEMBLY OR AFTER THE LAST CROSS ROAD PRIOR TO THE TURN, WHICHEVER IS LESS. CONFIRMING DETOUR ROUTE MARKERS SHALL BE LOCATED 200 FT PAST MAJOR INTERSECTIONS. IN ADDITION TO THOSE DETOUR ROUTE MARKER ASSEMBLIES SHOWN, CONFIRMING DETOUR ROUTE MARKER ASSEMBLIES SHALL BE SPACED AT A MAXIMUM OF 3.0 MILES ALONG ALL LEGS OF THE DETOUR. FINAL LOCATIONS OF DETOUR ROUTE MARKER ASSEMBLIES SHALL BE COORDINATED WITH THE ENGINEER.



SR 51 SOUTH
 SR 51 SOUTH TO US 30 WEST
 US 30 WEST TO I-65 NORTH
 I-65 NORTH TO I-80 EAST
 I-80 EAST TO SR 51

SR 51 NORTH
 SR 51 NORTH TO I-80 WEST
 I-80 WEST TO I-65 SOUTH
 I-65 SOUTH TO US 30 EAST
 US 30 EAST TO SR 51

DETOUR ROUTE ASSEMBLY SCHEDULE	
ASSEMBLY A	1 EA
ASSEMBLY B	1 EA
ASSEMBLY C	3 EA
ASSEMBLY D	3 EA
ASSEMBLY E	9 EA
ASSEMBLY F	1 EA
ASSEMBLY G	1 EA
ASSEMBLY H	1 EA
ASSEMBLY I	5 EA
ASSEMBLY J	5 EA
ASSEMBLY K	8 EA
ASSEMBLY L	1 EA
TOTAL	39 EA

GENERAL NOTES: ALL ITEMS SHALL BE INSTALLED PER INDOT STANDARD SPECIFICATIONS AND THE INDIANA MUTCD. DIRECTIONAL DETOUR ROUTE MARKER ASSEMBLIES SHALL BE LOCATED 100-200 FT IN ADVANCE OF A REQUIRED TURN. ADVANCE TURN DETOUR ROUTE MARKER ASSEMBLIES SHALL BE LOCATED 500 FT PRIOR TO THE DIRECTIONAL DETOUR ROUTE MARKER ASSEMBLY OR AFTER THE LAST CROSS ROAD PRIOR TO THE TURN, WHICHEVER IS LESS. CONFIRMING DETOUR ROUTE MARKERS SHALL BE LOCATED 200 FT PAST MAJOR INTERSECTIONS. IN ADDITION TO THOSE DETOUR ROUTE MARKER ASSEMBLIES SHOWN, CONFIRMING DETOUR ROUTE MARKER ASSEMBLIES SHALL BE SPACED AT A MAXIMUM OF 3.0 MILES ALONG ALL LEGS OF THE DETOUR. FINAL LOCATIONS OF DETOUR ROUTE MARKER ASSEMBLIES SHALL BE COORDINATED WITH THE ENGINEER.

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 DATE: 7/20/2021

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: PFR	DRAWN: PFR	
CHECKED: LRD	CHECKED: LRD	

INDIANA
 DEPARTMENT OF TRANSPORTATION

SR 51 AT SR 130 INTERSECTION IMPROVEMENT
 SR 51 SOUTH TO SR 51 NORTH DETOUR PLAN

HORIZONTAL SCALE	FILE
N/A	
VERTICAL SCALE	DESIGNATION
N/A	1600693
SURVEY BOOK	SHEETS
ELECTRONIC	12 of 44
CONTRACT	PROJECT
R-42248	1600693

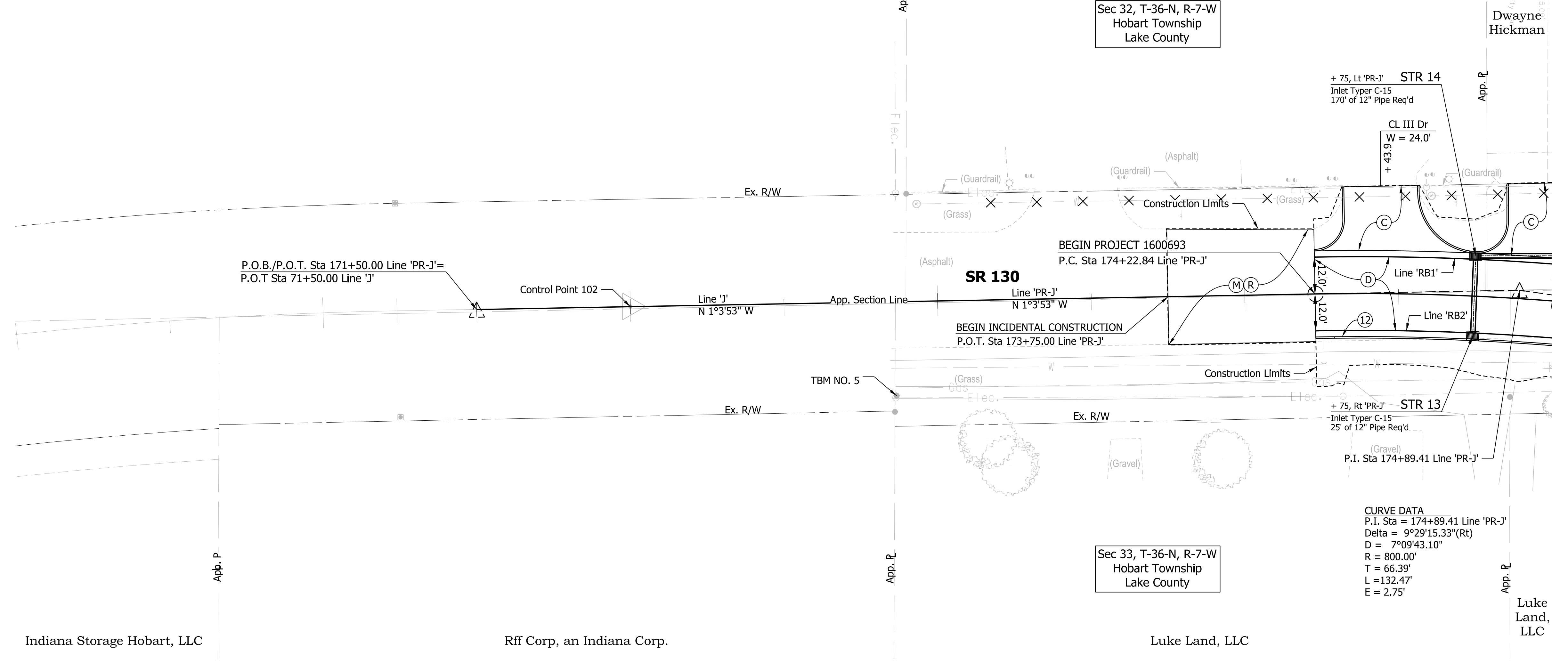
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Linde Gases of the Midwest, Inc.

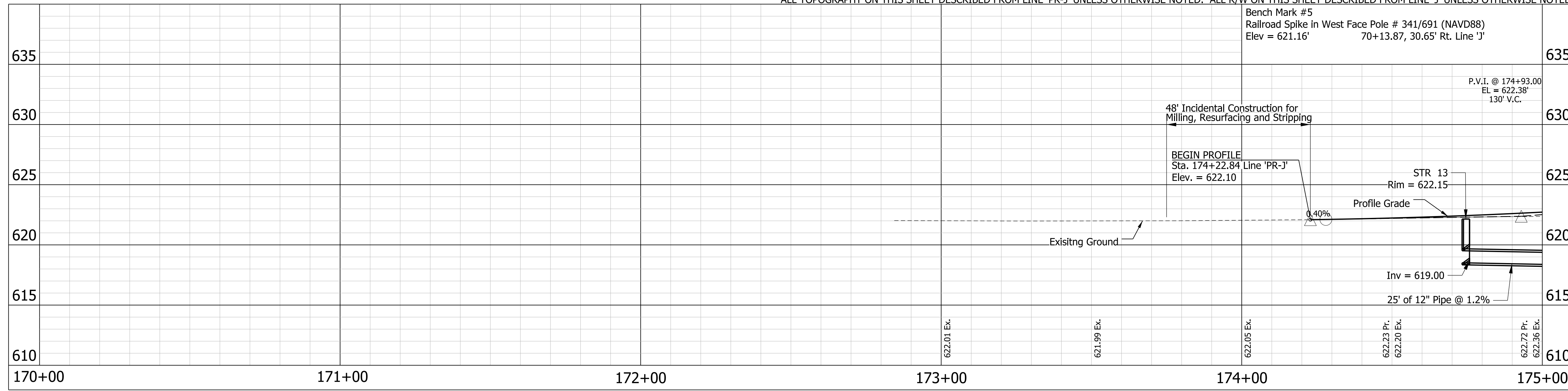
DFLO Plumbing, LLC

Dwayne Hickman

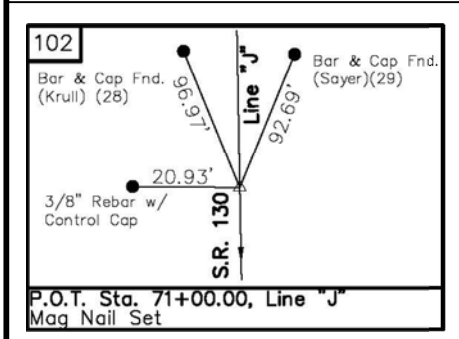
- LEGEND**
- (A) PCCP, 7 in., Colored, Jointed with D-1 Joints Spaced at 15 ft, with 1 in. Diameter Dowel Bars Spaced at 12 in., on 8 in. Compacted Aggregate No. 53, on Subgrade Treatment, Type IC
 - (A1) PCCP, 6 in., Colored, on Dense Graded Subbase
 - (B) HMA For Approaches, Type B, 165 lb/syd HMA Surface Type B, on 275 lb/syd HMA Intermediate Type B, on 660 lb/syd HMA Base Type B, on Subgrade Treatment Type II, on Geogrid, Type 1B
 - (C) 9 in. PCCP For Approaches, on Dense Graded Subbase 6 in., on Geogrid Type 1B, on Subgrade Treatment, Type II
 - (D) 220 lb/syd QC/QA HMA, 2, 64, Surface, 9.5 mm, on 330 lb/syd QC/QA HMA, 2, 64, Intermediate, 19.0 mm, on 660 lb/syd QC/QA HMA, 2, 64, Base, 19.0 mm, (2-Lifts) on Subgrade Treatment, Type IC
 - (D1) 165 lb/syd QC/QA HMA, 2, 64, Surface, 9.5 mm, on 375 lb/syd QC/QA HMA, 2, 64, Intermediate, 19.0 mm, on Subgrade Treatment, Type IC
 - (E) HMA for Multi-use Trail consisting of 165 lb/syd HMA Surface, Type B, on 220 lb/syd HMA Intermediate, Type B, on 6" Compacted Aggregate No. 53, Base on Subgrade Treatment Type III
 - (F) Sidewalk, Concrete, 4 in., on 4 in. Compacted Aggregate No. 53, Base, on Subgrade Treatment, Type III
 - (M) Asphalt Milling, 2.0 in.
 - (R) 220 lb/syd QC/QA HMA, 2, 64, Surface 9.5 mm
 - (12) Curb and Gutter, Concrete
 - (13) Curb, Concrete
 - (14) Curb, Concrete, B, Sloping
 - (19) Center Curb, A Concrete
 - (50) Curb Ramp, Concrete (See Curb Ramp Detail Sheet)



ALL TOPOGRAPHY ON THIS SHEET DESCRIBED FROM LINE 'PR-J' UNLESS OTHERWISE NOTED. ALL R/W ON THIS SHEET DESCRIBED FROM LINE 'J' UNLESS OTHERWISE NOTED.



EARTHWORK SUMMARY TABLE		
Des #1600693		
Cut (Cross Sections)	513	CYS
Cut (Existing Asphalt Pavement)	1377	CYS
Total Common Excavation	1890	CYS
* Less Unsuitable Material	1964	CYS
Usable Material	-74	CYS
Fill	4638	CYS
+25% Shrinkage	1160	CYS
Total Fill	5798	CYS
Less Useable Common Excavation	-74	CYS
Borrow	5872	CYS



PRELIMINARY
NOT FOR CONSTRUCTION
DATE: 7/20/2021

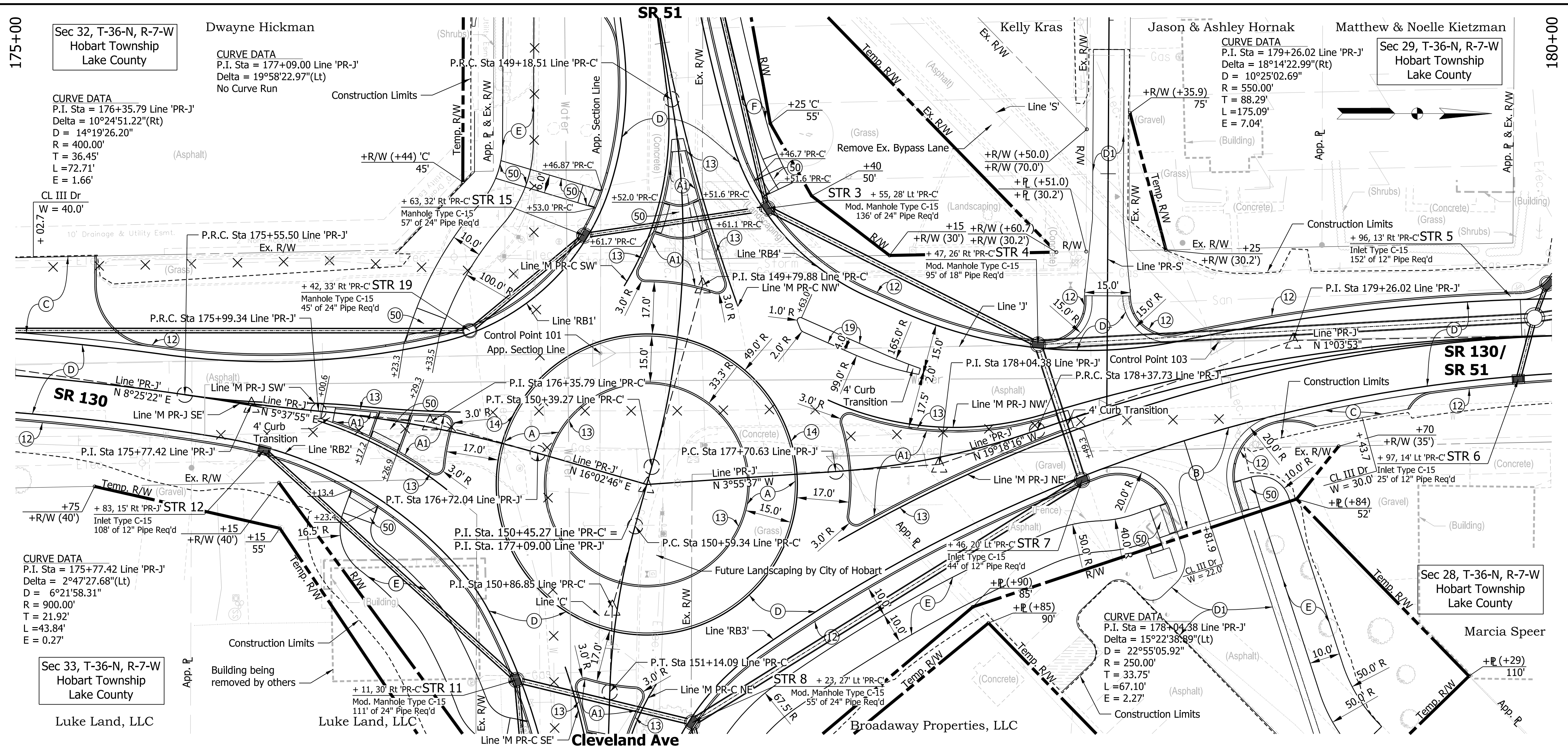
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: PFR	DRAWN: PFR	
CHECKED: LRD	CHECKED: LRD	

INDIANA DEPARTMENT OF TRANSPORTATION

SR 51 AT SR 130 INTERSECTION IMPROVEMENT
PLAN AND PROFILE SHEET LINE 'PR-J'

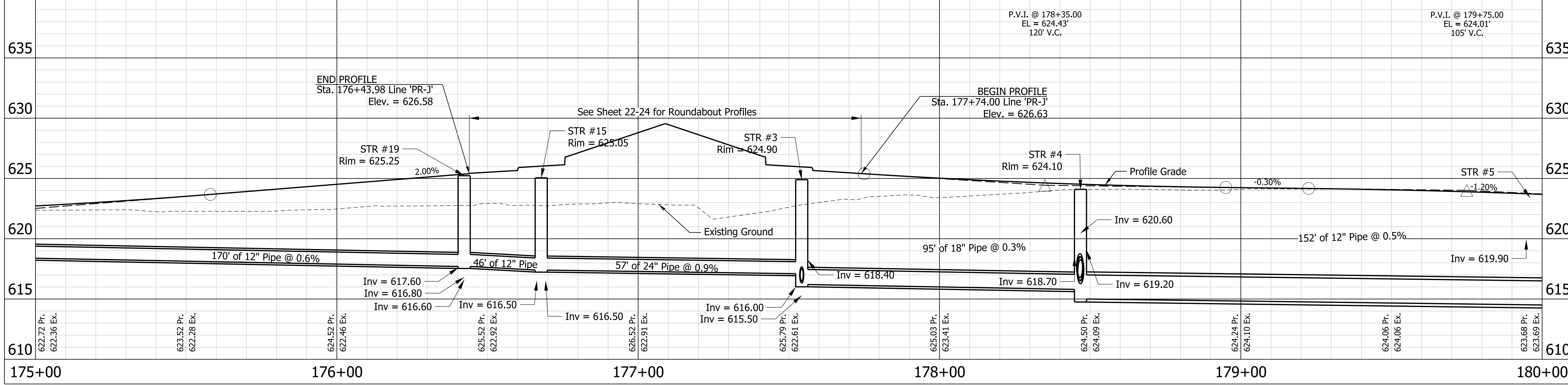
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1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1600693
SURVEY BOOK	SHEETS
ELECTRONIC	13 of 44
CONTRACT	PROJECT
R-42248	1600693

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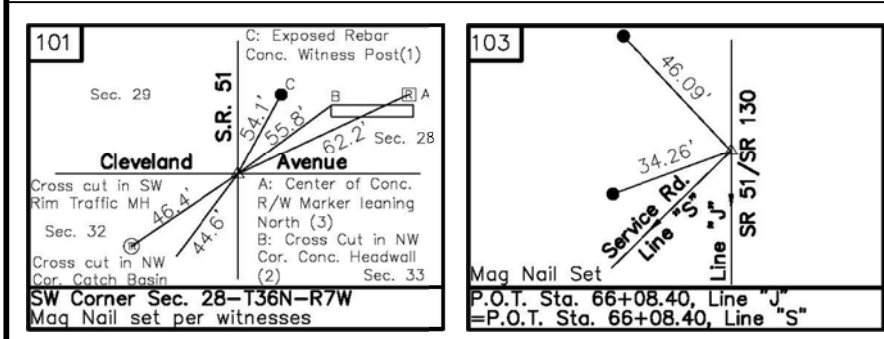


- LEGEND**
- (A) PCCP, 7 in., Colored, Jointed with D-1 Joints Spaced at 15 ft, with 1 in. Diameter Dowel Bars Spaced at 12 in., on 8 in. Compacted Aggregate No. 53, on Subgrade Treatment, Type IC
 - (A1) PCCP, 6 in., Colored, on Dense Graded Subbase
 - (B) HMA For Approaches, Type B, 165 lb/syd HMA Surface Type B, on 275 lb/syd HMA Intermediate Type B, on 660 lb/syd HMA Base Type B, on Subgrade Treatment Type II, on Geogrid, Type 1B
 - (C) 9 in. PCCP For Approaches, on Dense Graded Subbase 6 in., on Geogrid Type 1B, on Subgrade Treatment, Type II
 - (D) 220 lb/syd QC/QA HMA, 2, 64, Surface, 9.5 mm, on 330 lb/syd QC/QA HMA, 2, 64, Intermediate, 19.0 mm, on 660 lb/syd QC/QA HMA, 2, 64, Base, 19.0 mm, (2-Lifts) on Subgrade Treatment, Type IC
 - (D1) 165 lb/syd QC/QA HMA, 2, 64, Surface, 9.5 mm, on 375 lb/syd QC/QA HMA, 2, 64, Intermediate, 19.0 mm, on Subgrade Treatment, Type IC
 - (E) HMA for Multi-use Trail consisting of 165 lb/syd HMA Surface, Type B, on 220 lb/syd HMA Intermediate, Type B, on 6" Compacted Aggregate No. 53, Base on Subgrade Treatment Type III
 - (F) Sidewalk, Concrete, 4 in., on 4 in. Compacted Aggregate No. 53, Base, on Subgrade Treatment, Type III
 - (M) Asphalt Milling, 2.0 in.
 - (R) 220 lb/syd QC/QA HMA, 2, 64, Surface 9.5 mm
 - (12) Curb and Gutter, Concrete
 - (13) Curb, Concrete
 - (14) Curb, Concrete, B, Sloping
 - (19) Center Curb, A Concrete
 - (50) Curb Ramp, Concrete (See Curb Ramp Detail Sheet)

ALL TOPOGRAPHY ON THIS SHEET DESCRIBED FROM LINE 'PR-J' UNLESS OTHERWISE NOTED. ALL R/W ON THIS SHEET DESCRIBED FROM LINE 'J' UNLESS OTHERWISE NOTED.



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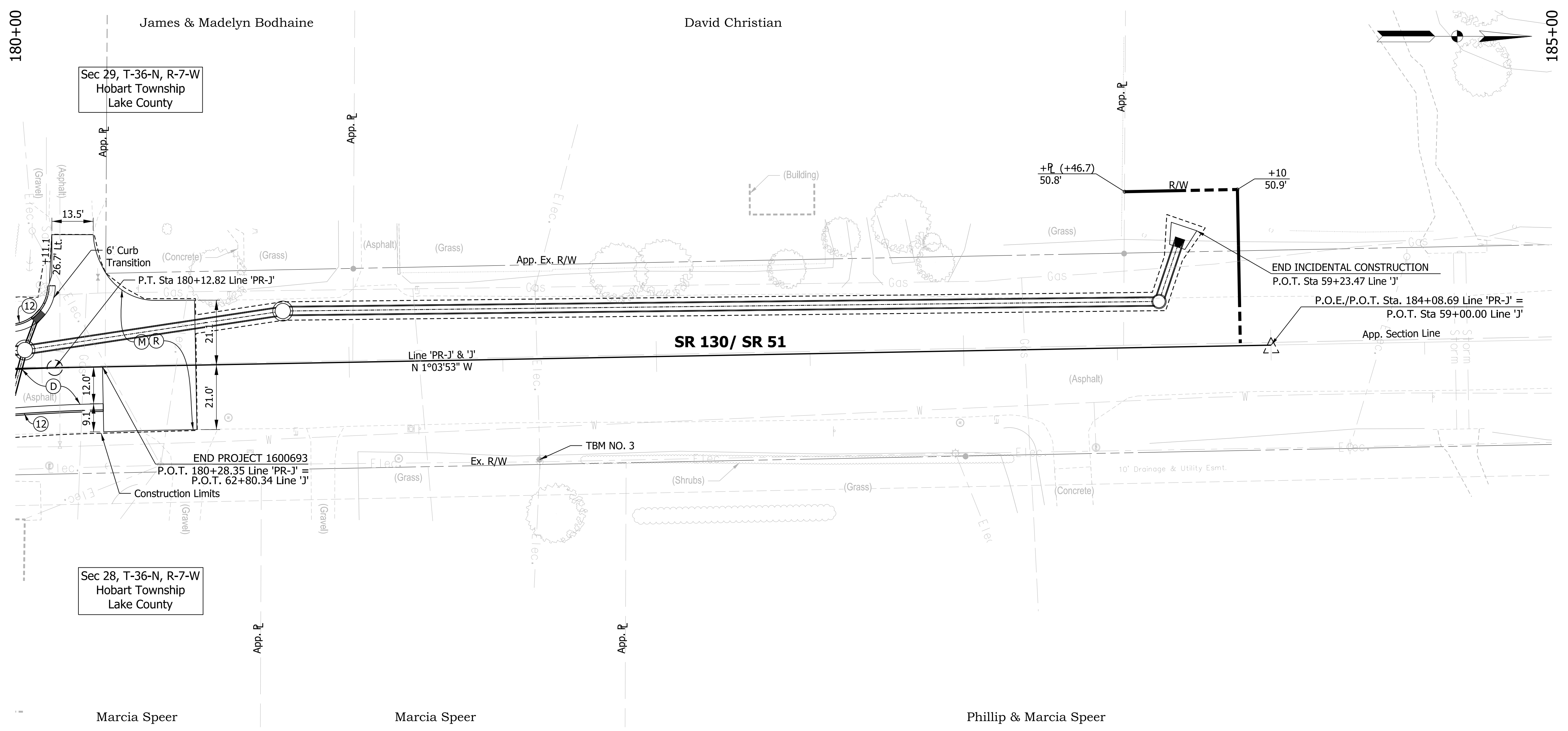
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DATE: 7/20/2021

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INDIANA DEPARTMENT OF TRANSPORTATION

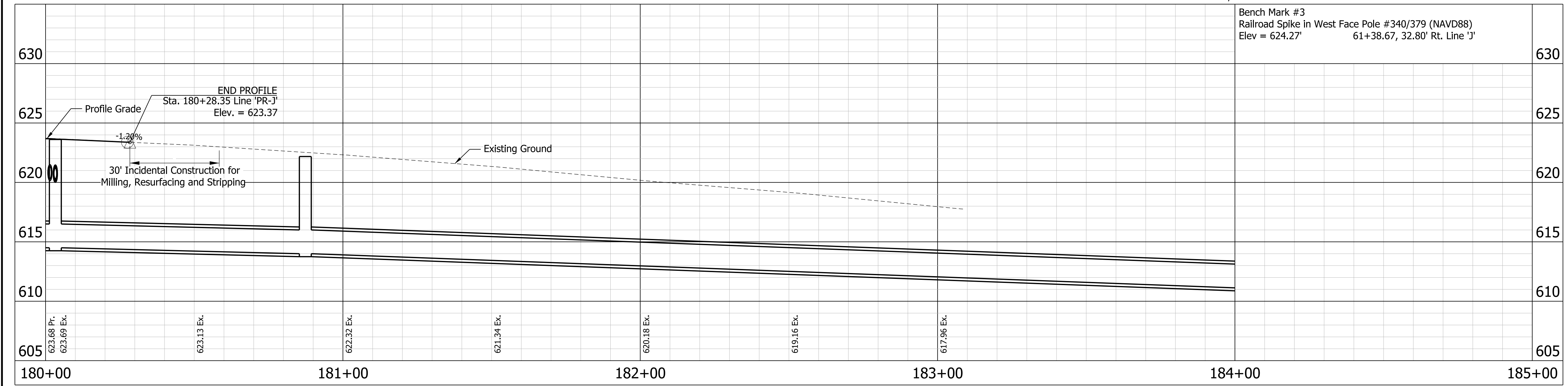
SR 51 AT SR 130 INTERSECTION IMPROVEMENT
PLAN AND PROFILE SHEET LINE 'PR-J'

HORIZONTAL SCALE	FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1600693
SURVEY BOOK	SHEETS
ELECTRONIC	14 of 44
CONTRACT	PROJECT
R-42248	1600693



- LEGEND**
- (A) PCCP, 7 in., Colored, Jointed with D-1 Joints Spaced at 15 ft, with 1 in. Diameter Dowel Bars Spaced at 12 in., on 8 in. Compacted Aggregate No. 53, on Subgrade Treatment, Type IC
 - (A1) PCCP, 6 in., Colored, on Dense Graded Subbase
 - (B) HMA For Approaches, Type B, 165 lb/syd HMA Surface Type B, on 275 lb/syd HMA Intermediate Type B, on 660 lb/syd HMA Base Type B, on Subgrade Treatment Type II, on Geogrid, Type 1B
 - (C) 9 in. PCCP For Approaches, on Dense Graded Subbase 6 in., on Geogrid Type 1B, on Subgrade Treatment, Type II
 - (D) 220 lb/syd QC/QA HMA, 2, 64, Surface, 9.5 mm, on 330 lb/syd QC/QA HMA, 2, 64, Intermediate, 19.0 mm, on 660 lb/syd QC/QA HMA, 2, 64, Base, 19.0 mm, (2-Lifts) on Subgrade Treatment, Type IC
 - (D1) 165 lb/syd QC/QA HMA, 2, 64, Surface, 9.5 mm, on 375 lb/syd QC/QA HMA, 2, 64, Intermediate, 19.0 mm, on Subgrade Treatment, Type IC
 - (E) HMA for Multi-use Trail consisting of 165 lb/syd HMA Surface, Type B, on 220 lb/syd HMA Intermediate, Type B, on 6" Compacted Aggregate No. 53, Base on Subgrade Treatment Type III
 - (F) Sidewalk, Concrete, 4 in., on 4 in. Compacted Aggregate No. 53, Base, on Subgrade Treatment, Type III
 - (M) Asphalt Milling, 2.0 in.
 - (R) 220 lb/syd QC/QA HMA, 2, 64, Surface 9.5 mm
 - (12) Curb and Gutter, Concrete
 - (13) Curb, Concrete
 - (14) Curb, Concrete, B, Sloping
 - (19) Center Curb, A Concrete
 - (50) Curb Ramp, Concrete (See Curb Ramp Detail Sheet)

ALL TOPOGRAPHY ON THIS SHEET DESCRIBED FROM LINE 'PR-J' UNLESS OTHERWISE NOTED. ALL R/W ON THIS SHEET DESCRIBED FROM LINE 'J' UNLESS OTHERWISE NOTED.



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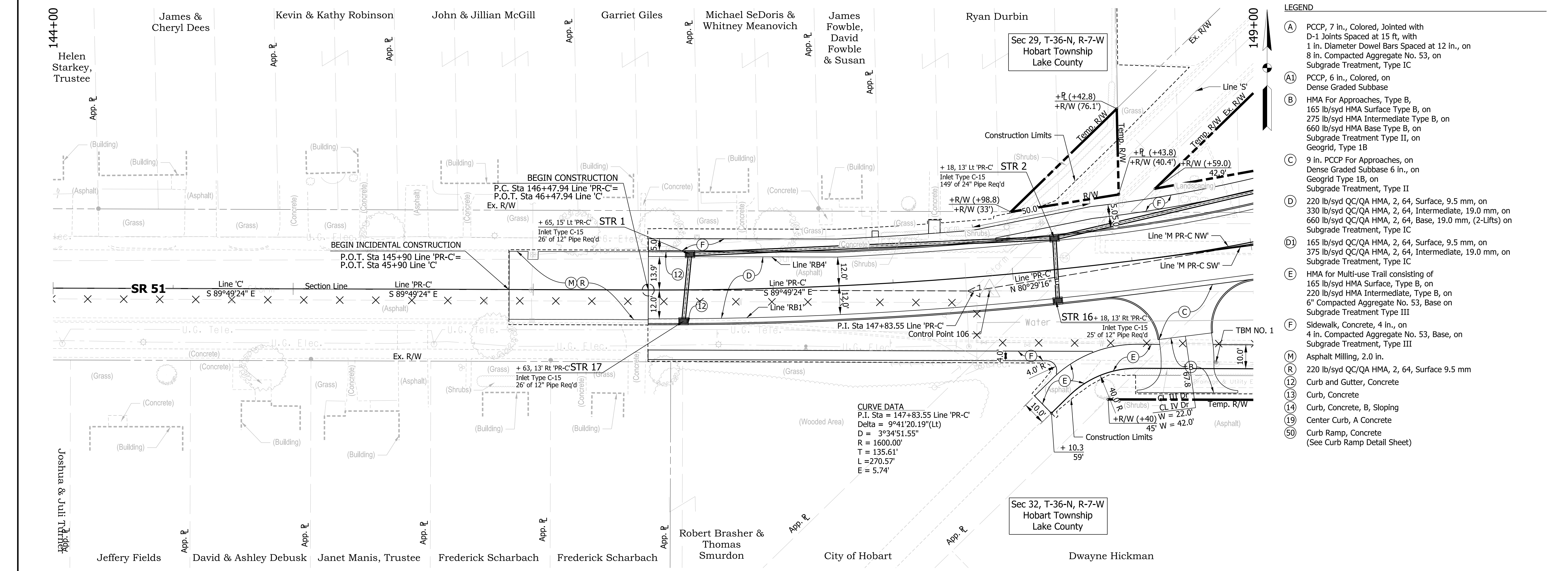
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INDIANA
 DEPARTMENT OF TRANSPORTATION

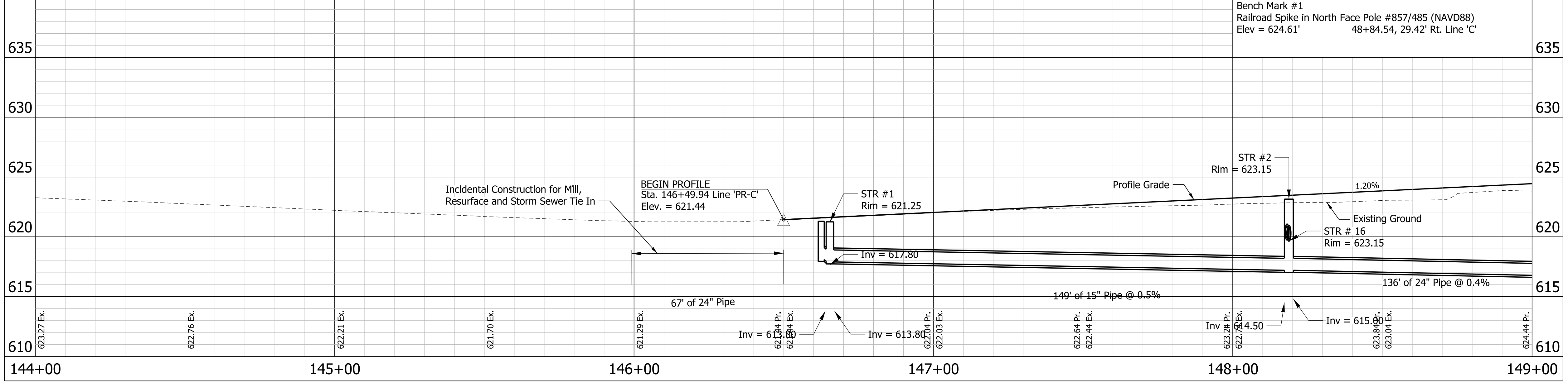
SR 51 AT SR 130 INTERSECTION IMPROVEMENT
 PLAN AND PROFILE SHEET LINE 'PR-J'

HORIZONTAL SCALE	FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1600693
SURVEY BOOK	SHEETS
ELECTRONIC	15 of 44
CONTRACT	PROJECT
R-42248	1600693

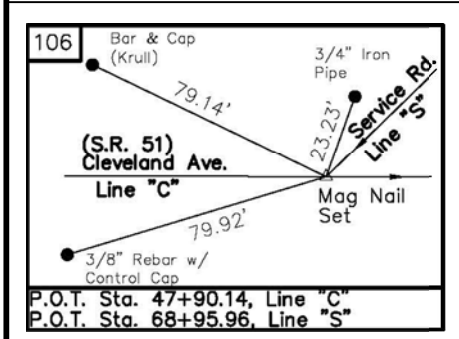


- LEGEND**
- (A) PCCP, 7 in., Colored, Jointed with D-1 Joints Spaced at 15 ft, with 1 in. Diameter Dowel Bars Spaced at 12 in., on 8 in. Compacted Aggregate No. 53, on Subgrade Treatment, Type IC
 - (A1) PCCP, 6 in., Colored, on Dense Graded Subbase
 - (B) HMA For Approaches, Type B, 165 lb/syd HMA Surface Type B, on 275 lb/syd HMA Intermediate Type B, on 660 lb/syd HMA Base Type B, on Subgrade Treatment Type II, on Geogrid, Type 1B
 - (C) 9 in. PCCP For Approaches, on Dense Graded Subbase 6 in., on Geogrid Type 1B, on Subgrade Treatment, Type II
 - (D) 220 lb/syd QC/QA HMA, 2, 64, Surface, 9.5 mm, on 330 lb/syd QC/QA HMA, 2, 64, Intermediate, 19.0 mm, on 660 lb/syd QC/QA HMA, 2, 64, Base, 19.0 mm, (2-Lifts) on Subgrade Treatment, Type IC
 - (D1) 165 lb/syd QC/QA HMA, 2, 64, Surface, 9.5 mm, on 375 lb/syd QC/QA HMA, 2, 64, Intermediate, 19.0 mm, on Subgrade Treatment, Type IC
 - (E) HMA for Multi-use Trail consisting of 165 lb/syd HMA Surface, Type B, on 220 lb/syd HMA Intermediate, Type B, on 6" Compacted Aggregate No. 53, Base on Subgrade Treatment Type III
 - (F) Sidewalk, Concrete, 4 in., on 4 in. Compacted Aggregate No. 53, Base, on Subgrade Treatment, Type III
 - (M) Asphalt Milling, 2.0 in.
 - (R) 220 lb/syd QC/QA HMA, 2, 64, Surface 9.5 mm
 - (12) Curb and Gutter, Concrete
 - (13) Curb, Concrete
 - (14) Curb, Concrete, B, Sloping
 - (19) Center Curb, A Concrete
 - (50) Curb Ramp, Concrete (See Curb Ramp Detail Sheet)

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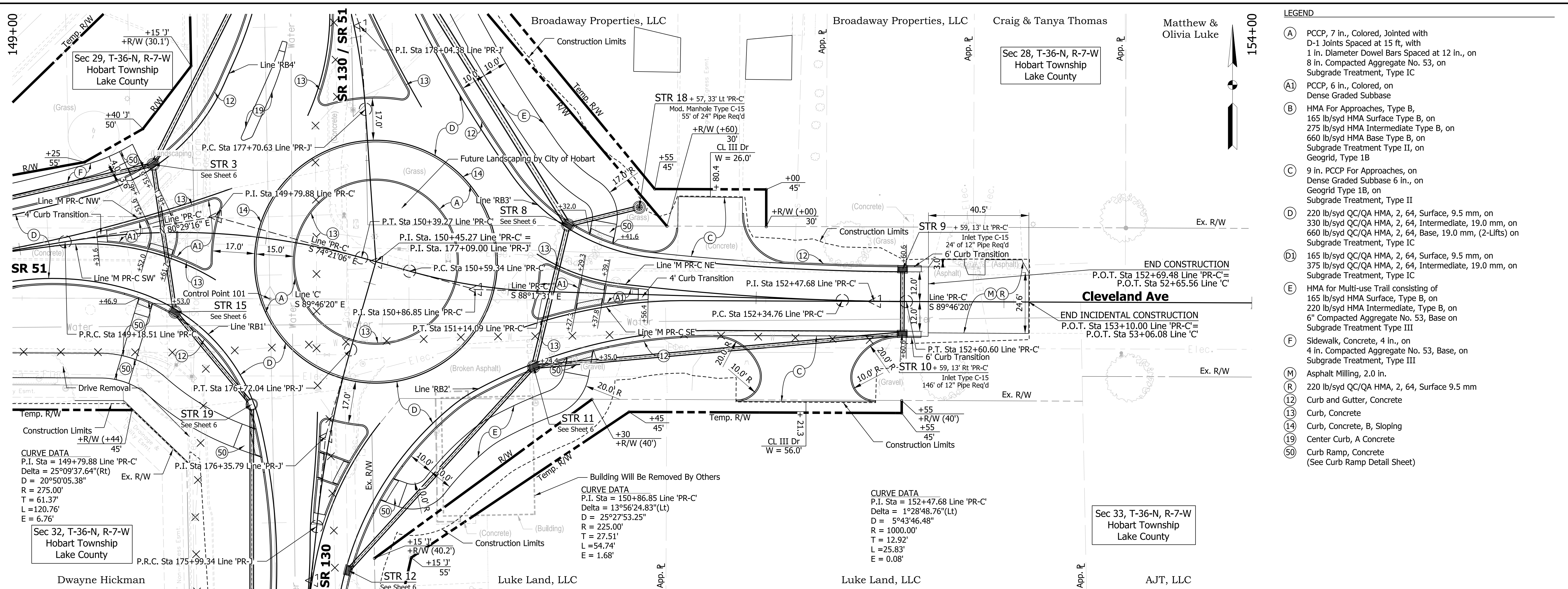
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 DATE: 7/20/2021

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
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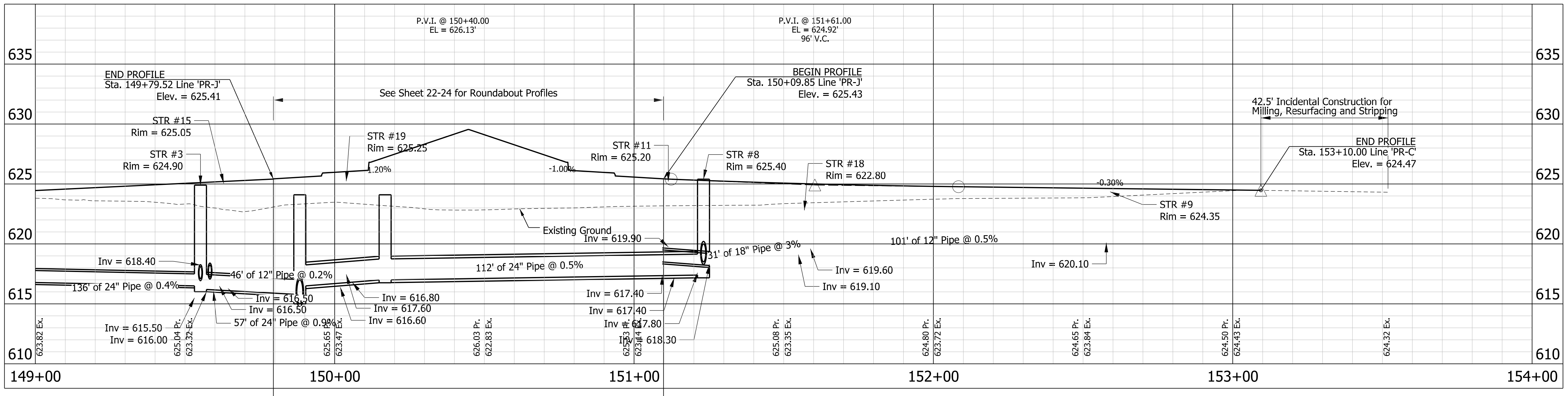
INDIANA
 DEPARTMENT OF TRANSPORTATION

SR 51 AT SR 130 INTERSECTION IMPROVEMENT
 PLAN AND PROFILE SHEET LINE 'PR-C'

HORIZONTAL SCALE	FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1600693
SURVEY BOOK	SHEETS
ELECTRONIC	16 of 44
CONTRACT	PROJECT
R-42248	1600693



ALL TOPOGRAPHY ON THIS SHEET DESCRIBED FROM LINE 'C' UNLESS OTHERWISE NOTED. ALL R/W ON THIS SHEET DESCRIBED FROM LINE 'C' UNLESS OTHERWISE NOTED.



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PRELIMINARY
 NOT FOR CONSTRUCTION
 DATE: 7/20/2021

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
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INDIANA DEPARTMENT OF TRANSPORTATION

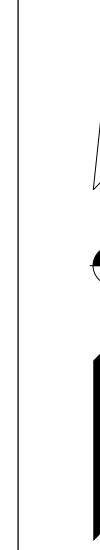
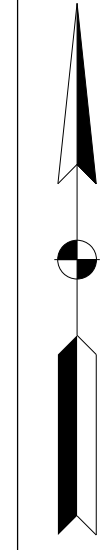
SR 51 AT SR 130 INTERSECTION IMPROVEMENT
 PLAN AND PROFILE SHEET LINE 'PR-C'

HORIZONTAL SCALE	FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1600693
SURVEY BOOK	SHEETS
ELECTRONIC	17 of 44
CONTRACT	PROJECT
R-42248	1600693

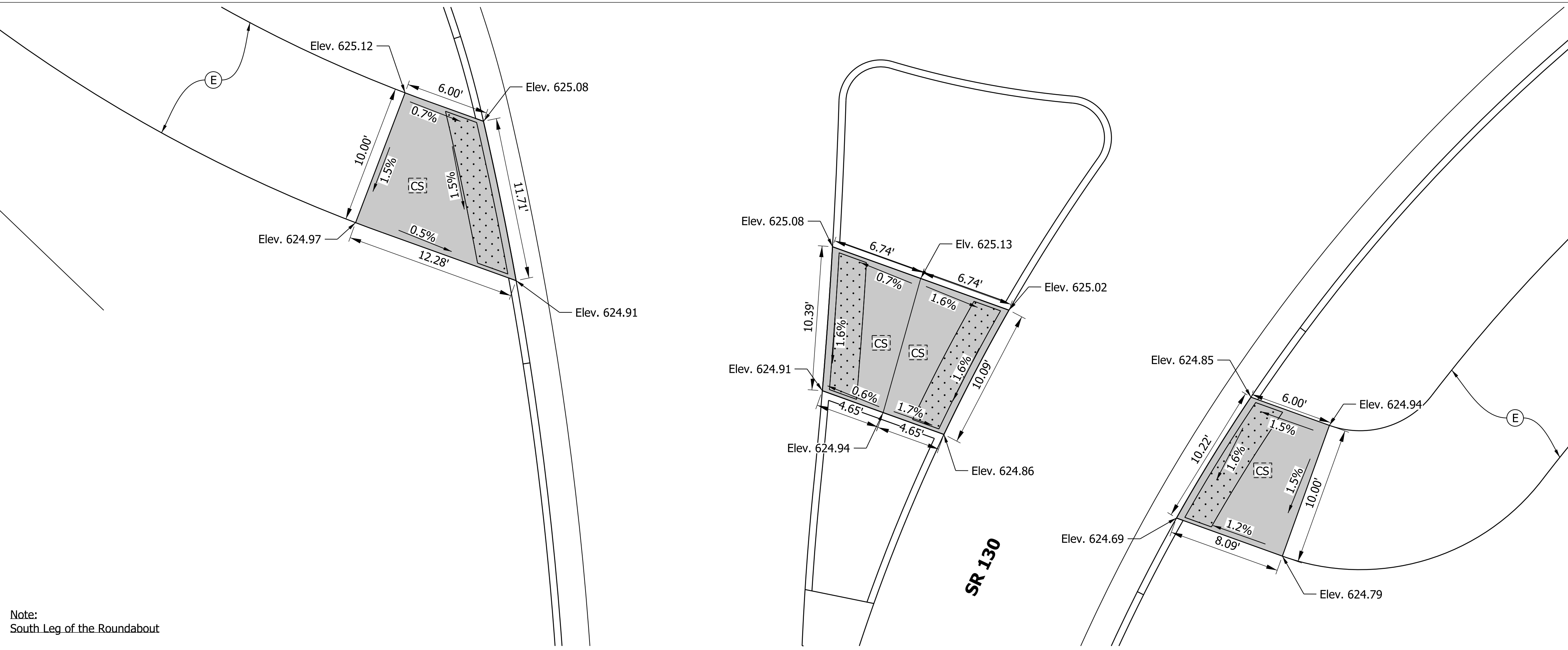
SR 130/SR 51

LEGEND

-  Curb Ramp
-  Detectable Warning Surface
-  Turning Space
-  Clear Space
-  HMA for Multi-use Trail consisting of 165 lb/syd HMA Surface, Type B, on 220 lb/syd HMA Intermediate, Type B, on 6" Compacted Aggregate No. 53, Base on Subgrade Treatment Type III
-  Sidewalk, Concrete, 4 in., on 4 in. Compacted Aggregate No. 53, Base, on Subgrade Treatment, Type III



Note:
North End of the Roundabout



Note:
South Leg of the Roundabout

SR 130

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DATE: 7/20/2021

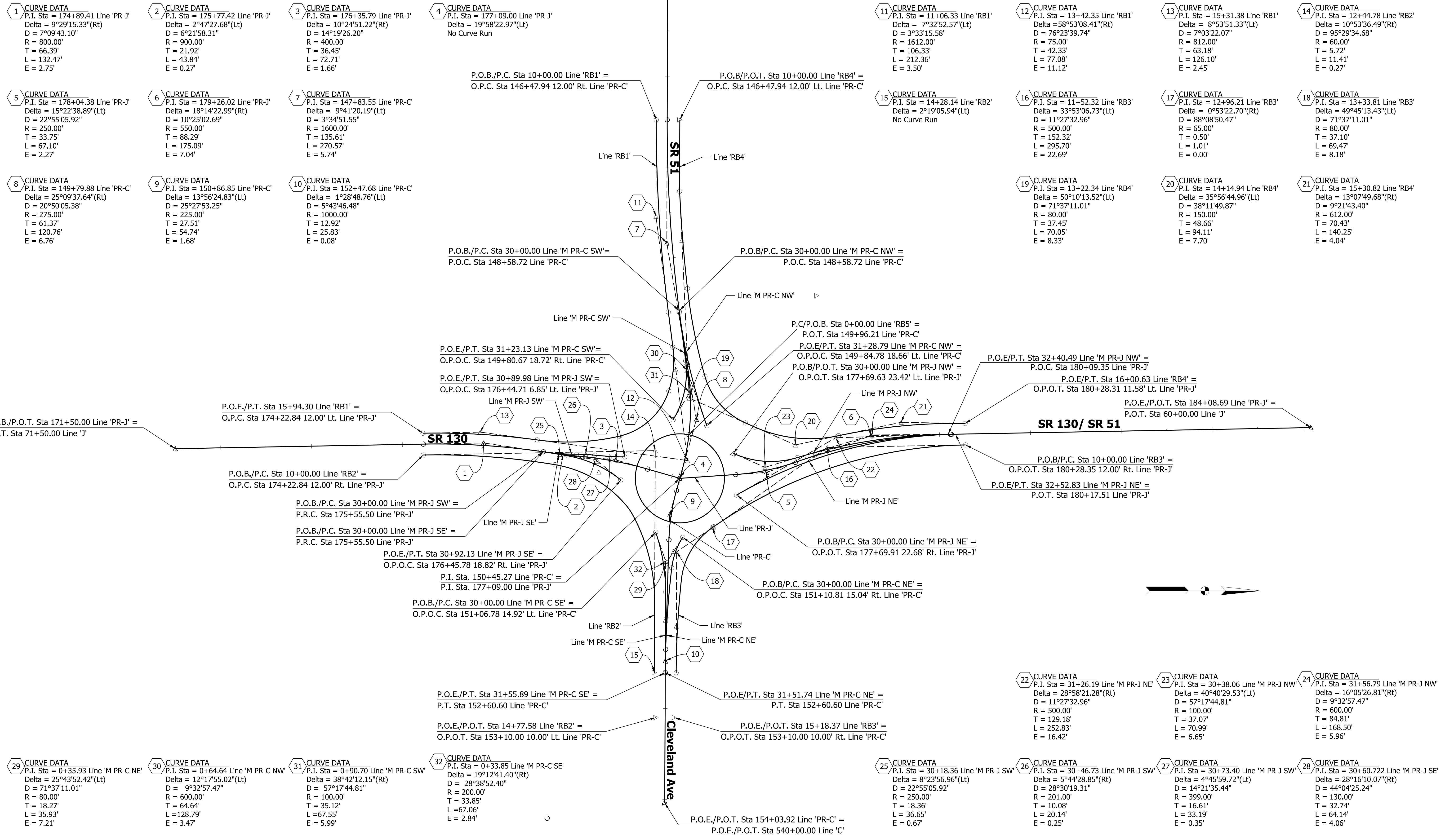
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: PFR	DRAWN: PFR	
CHECKED: LRD	CHECKED: LRD	

INDIANA
DEPARTMENT OF TRANSPORTATION

SR 51 AT SR 130 INTERSECTION IMPROVEMENT
CURB RAMP DETAIL-2

HORIZONTAL SCALE	FILE
1"=5'	
VERTICAL SCALE	DESIGNATION
N/A	1600693
SURVEY BOOK	SHEETS
ELECTRONIC	20 of 44
CONTRACT	PROJECT
R-42248	1600693

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1 CURVE DATA
 P.I. Sta = 174+89.41 Line 'PR-J'
 Delta = 9°29'15.33"(Rt)
 D = 7°09'43.10"
 R = 800.00'
 T = 66.39'
 L = 132.47'
 E = 2.75'

2 CURVE DATA
 P.I. Sta = 175+77.42 Line 'PR-J'
 Delta = 2°47'27.68"(Lt)
 D = 6°21'58.31"
 R = 900.00'
 T = 21.92'
 L = 43.84'
 E = 0.27'

3 CURVE DATA
 P.I. Sta = 176+35.79 Line 'PR-J'
 Delta = 10°24'51.22"(Rt)
 D = 14°19'26.20"
 R = 400.00'
 T = 36.45'
 L = 72.71'
 E = 1.66'

4 CURVE DATA
 P.I. Sta = 177+09.00 Line 'PR-J'
 Delta = 19°58'22.97"(Lt)
 No Curve Run

5 CURVE DATA
 P.I. Sta = 178+04.38 Line 'PR-J'
 Delta = 15°29'15.33"(Lt)
 D = 22°55'05.92"
 R = 250.00'
 T = 33.75'
 L = 67.10'
 E = 2.27'

6 CURVE DATA
 P.I. Sta = 179+26.02 Line 'PR-J'
 Delta = 18°14'22.99"(Rt)
 D = 10°25'02.69"
 R = 550.00'
 T = 88.29'
 L = 175.09'
 E = 7.04'

7 CURVE DATA
 P.I. Sta = 147+83.55 Line 'PR-C'
 Delta = 9°41'20.19"(Lt)
 D = 3°34'51.55"
 R = 1600.00'
 T = 135.61'
 L = 270.57'
 E = 5.74'

8 CURVE DATA
 P.I. Sta = 149+79.88 Line 'PR-C'
 Delta = 25°09'37.64"(Rt)
 D = 20°50'05.38"
 R = 275.00'
 T = 61.37'
 L = 120.76'
 E = 6.76'

9 CURVE DATA
 P.I. Sta = 150+86.85 Line 'PR-C'
 Delta = 13°56'24.83"(Lt)
 D = 25°27'53.25"
 R = 225.00'
 T = 27.51'
 L = 54.74'
 E = 1.68'

10 CURVE DATA
 P.I. Sta = 152+47.68 Line 'PR-C'
 Delta = 1°28'48.76"(Lt)
 D = 5°43'46.48"
 R = 1000.00'
 T = 12.92'
 L = 25.83'
 E = 0.08'

11 CURVE DATA
 P.I. Sta = 11+06.33 Line 'RB1'
 Delta = 7°32'52.57"(Lt)
 D = 3°33'15.58"
 R = 1612.00'
 T = 106.33'
 L = 212.36'
 E = 3.50'

12 CURVE DATA
 P.I. Sta = 13+42.35 Line 'RB1'
 Delta = 58°53'08.41"(Rt)
 D = 76°23'39.74"
 R = 75.00'
 T = 42.33'
 L = 77.08'
 E = 11.12'

13 CURVE DATA
 P.I. Sta = 15+31.38 Line 'RB1'
 Delta = 8°53'51.33"(Lt)
 D = 7°03'22.07"
 R = 812.00'
 T = 63.18'
 L = 126.10'
 E = 2.45'

14 CURVE DATA
 P.I. Sta = 12+44.78 Line 'RB2'
 Delta = 10°53'36.49"(Rt)
 D = 95°29'34.68"
 R = 60.00'
 T = 5.72'
 L = 11.41'
 E = 0.27'

15 CURVE DATA
 P.I. Sta = 14+28.14 Line 'RB2'
 Delta = 2°19'05.94"(Lt)
 No Curve Run

16 CURVE DATA
 P.I. Sta = 11+52.32 Line 'RB3'
 Delta = 33°53'06.73"(Lt)
 D = 11°27'32.96"
 R = 500.00'
 T = 152.32'
 L = 295.70'
 E = 22.69'

17 CURVE DATA
 P.I. Sta = 12+96.21 Line 'RB3'
 Delta = 0°53'22.70"(Rt)
 D = 88°08'50.47"
 R = 65.00'
 T = 0.50'
 L = 1.01'
 E = 0.00'

18 CURVE DATA
 P.I. Sta = 13+33.81 Line 'RB3'
 Delta = 49°45'13.43"(Lt)
 D = 71°37'11.01"
 R = 80.00'
 T = 37.10'
 L = 69.47'
 E = 8.18'

19 CURVE DATA
 P.I. Sta = 13+22.34 Line 'RB4'
 Delta = 50°10'13.52"(Lt)
 D = 71°37'11.01"
 R = 80.00'
 T = 37.45'
 L = 70.05'
 E = 8.33'

20 CURVE DATA
 P.I. Sta = 14+14.94 Line 'RB4'
 Delta = 35°56'44.96"(Lt)
 D = 38°11'49.87"
 R = 150.00'
 T = 48.66'
 L = 94.11'
 E = 7.70'

21 CURVE DATA
 P.I. Sta = 15+30.82 Line 'RB4'
 Delta = 13°07'49.68"(Rt)
 D = 9°21'43.40"
 R = 612.00'
 T = 70.43'
 L = 140.25'
 E = 4.04'

29 CURVE DATA
 P.I. Sta = 0+35.93 Line 'M PR-C NE'
 Delta = 25°43'52.42"(Lt)
 D = 71°37'11.01"
 R = 80.00'
 T = 18.27'
 L = 35.93'
 E = 7.21'

30 CURVE DATA
 P.I. Sta = 0+64.64 Line 'M PR-C NW'
 Delta = 12°17'55.02"(Lt)
 D = 9°32'57.47"
 R = 600.00'
 T = 64.64'
 L = 128.79'
 E = 3.47'

31 CURVE DATA
 P.I. Sta = 0+90.70 Line 'M PR-C SW'
 Delta = 38°42'12.15"(Rt)
 D = 57°17'44.81"
 R = 100.00'
 T = 100.00'
 L = 35.12'
 E = 5.99'

32 CURVE DATA
 P.I. Sta = 0+33.85 Line 'M PR-C SE'
 Delta = 19°12'41.40"(Rt)
 D = 28°38'52.40"
 R = 200.00'
 T = 33.85'
 L = 67.06'
 E = 2.84'

25 CURVE DATA
 P.I. Sta = 30+18.36 Line 'M PR-J SW'
 Delta = 8°23'56.96"(Lt)
 D = 22°55'05.92"
 R = 250.00'
 T = 18.36'
 L = 36.65'
 E = 0.67'

26 CURVE DATA
 P.I. Sta = 30+46.73 Line 'M PR-J SW'
 Delta = 8°23'56.96"(Rt)
 D = 28°30'19.31"
 R = 201.00'
 T = 10.08'
 L = 20.14'
 E = 0.25'

27 CURVE DATA
 P.I. Sta = 30+73.40 Line 'M PR-J SW'
 Delta = 4°45'59.72"(Lt)
 D = 14°21'35.44"
 R = 399.00'
 T = 16.61'
 L = 33.19'
 E = 0.35'

28 CURVE DATA
 P.I. Sta = 30+60.722 Line 'M PR-J SE'
 Delta = 28°16'10.07"(Rt)
 D = 44°04'25.24"
 R = 130.00'
 T = 32.74'
 L = 64.14'
 E = 4.06'



PRELIMINARY
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 DATE: 7/20/2021

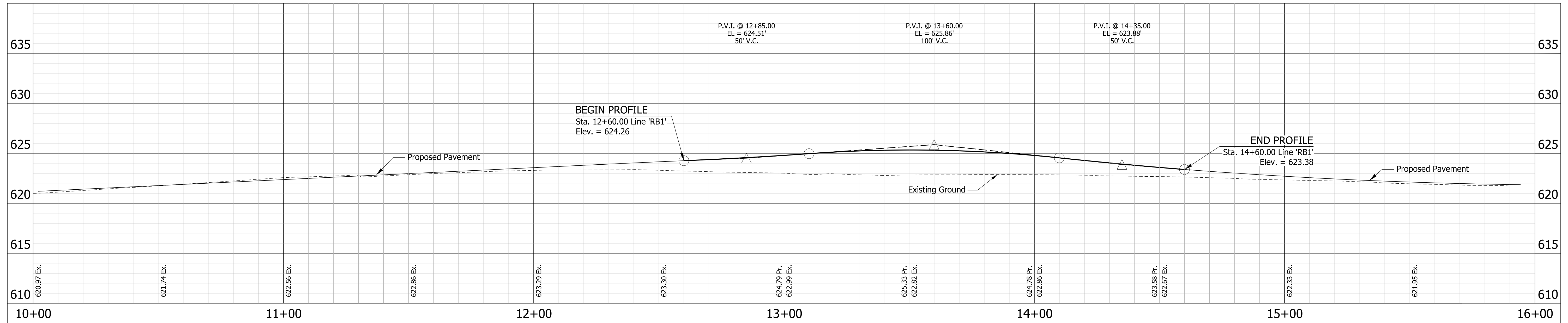
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: PFR	DRAWN: PFR	
CHECKED: LRD	CHECKED: LRD	

INDIANA
 DEPARTMENT OF TRANSPORTATION

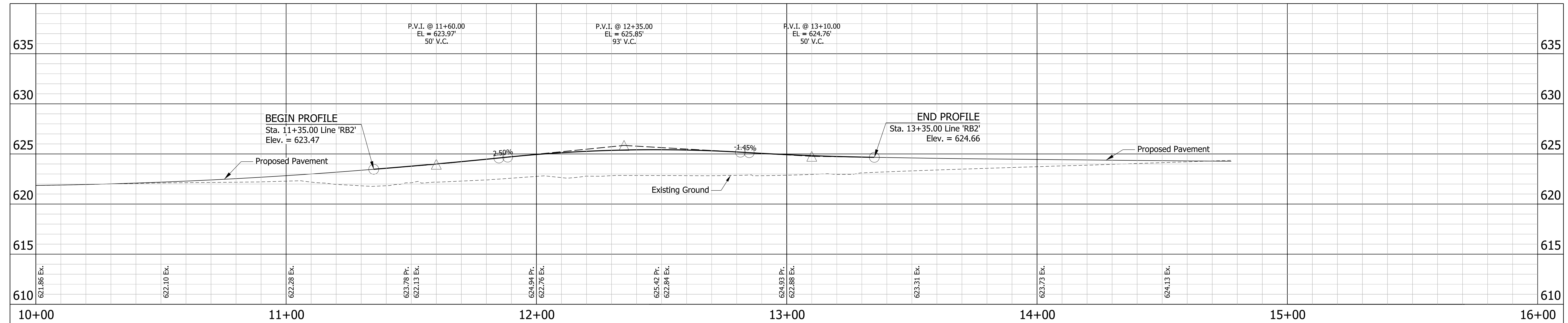
SR 51 AT SR 130 INTERSECTION IMPROVEMENT
 GEOMETRIC LAYOUT

HORIZONTAL SCALE	FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
N/A	1600693
SURVEY BOOK	SHEETS
ELECTRONIC	21 of 44
CONTRACT	PROJECT
R-42248	1600693

RB1 Profile



RB2 Profile



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DATE: 7/20/2021

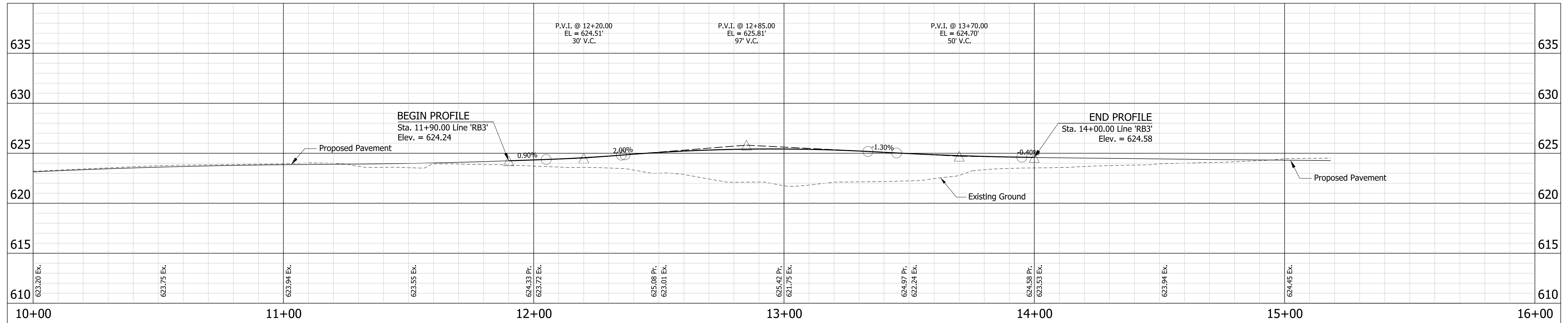
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INDIANA
DEPARTMENT OF TRANSPORTATION

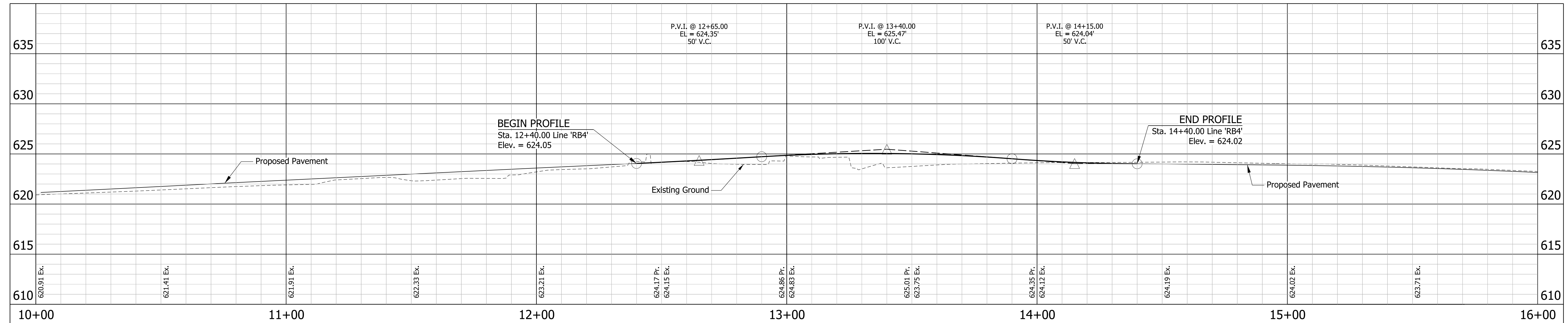
SR 51 AT SR 130 INTERSECTION IMPROVEMENT
ROUNDBOUT PROFILES

HORIZONTAL SCALE	FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1600693
SURVEY BOOK	SHEETS
ELECTRONIC	22 of 44
CONTRACT	PROJECT
R-42248	1600693

RB3 Profile



RB4 Profile



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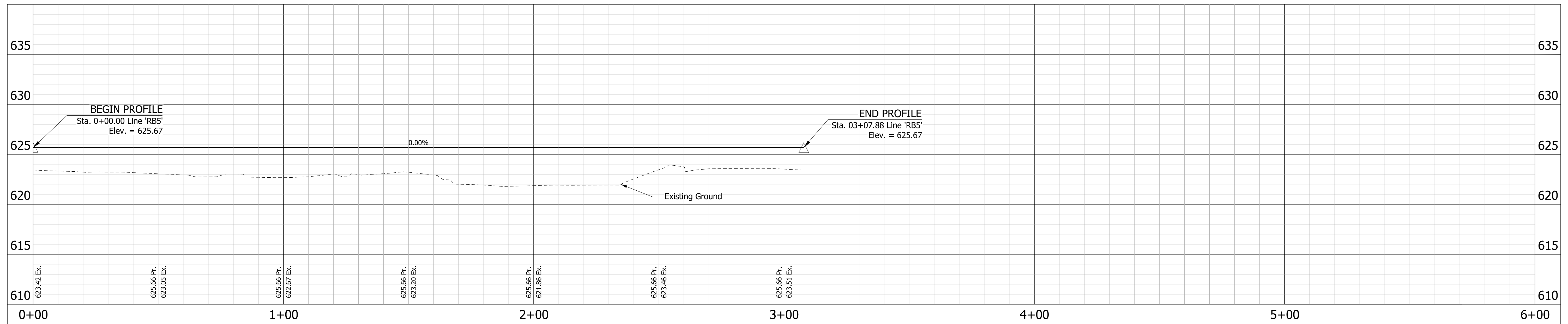
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DESIGNED: PFR	DRAWN: PFR	
CHECKED: LRD	CHECKED: LRD	

INDIANA
DEPARTMENT OF TRANSPORTATION

SR 51 AT SR 130 INTERSECTION IMPROVEMENT
ROUNDABOUT PROFILES

HORIZONTAL SCALE	FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1600693
SURVEY BOOK	SHEETS
ELECTRONIC	23 of 44
CONTRACT	PROJECT
R-42248	1600693

RB5 Profile



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PRELIMINARY
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DATE: 7/20/2021







RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: PFR	DRAWN: PFR	
CHECKED: LRD	CHECKED: LRD	

INDIANA
DEPARTMENT OF TRANSPORTATION

SR 51 AT SR 130 INTERSECTION IMPROVEMENT
ROUNDABOUT PROFILES

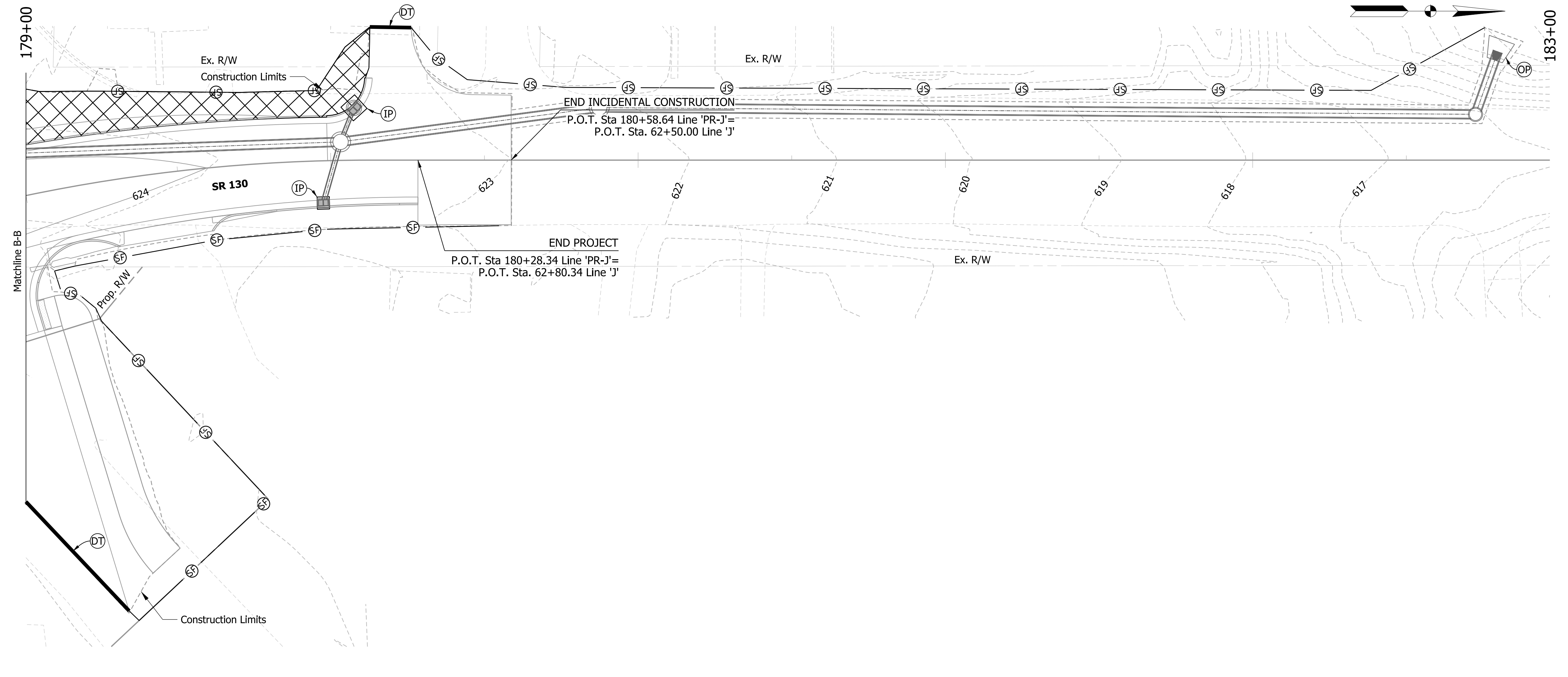
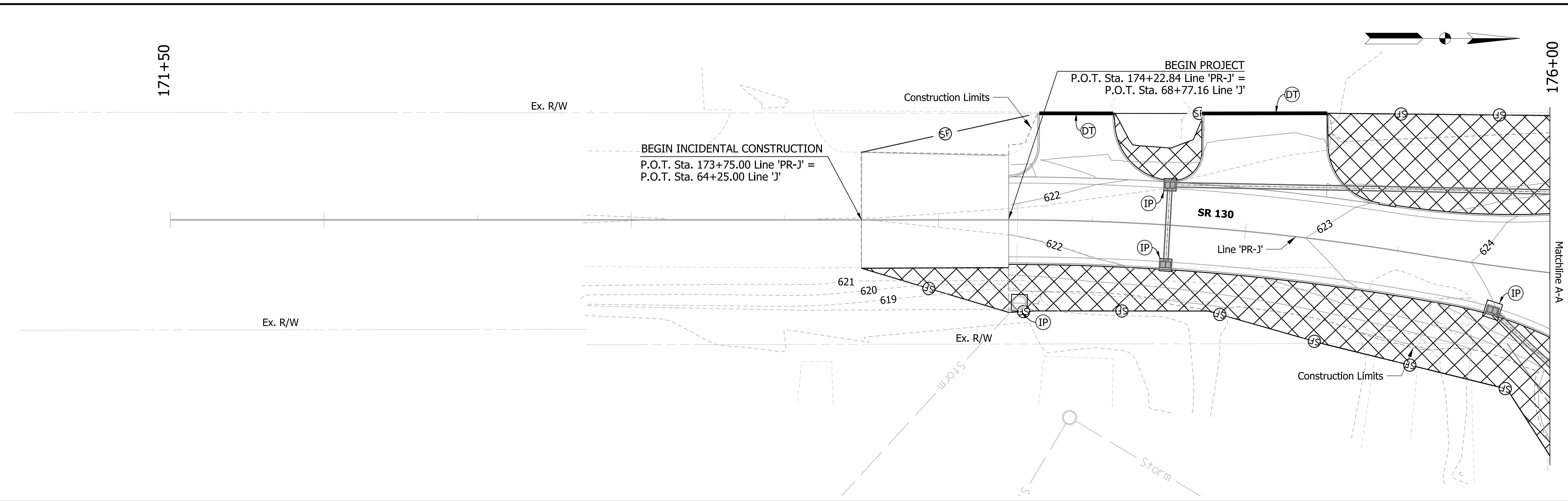
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VERTICAL SCALE	DESIGNATION
1" = 5'	1600693
SURVEY BOOK	SHEETS
ELECTRONIC	24 of 44
CONTRACT	PROJECT
R-42248	1600693

LEGEND

-  Temporary Traversable Check Dam, Filter Sock, or Fiber Rolls
-  Temporary Inlet Protection
-  Permanent Outlet Protection (Riprap)
-  Temporary Silt Fence
-  Erosion Control Blanket
-  Construction Entrance

NOTES:

1. Check Dams to be permanently seeded with Type R Seed and covered with mulching material and fertilizer.
2. All temporary erosion details per INDOT Standard Drawings.
3. See Sheet 27 for Erosion Control Quantity Table.
4. Do not disturb NWI Wetlands.
5. Should a concrete washout be necessary, an approved concrete waste water plan must be included as part of the SWQCP.



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DATE: 7/20/2021







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DESIGNED: PFR	DRAWN: PFR	
CHECKED: LRD	CHECKED: LRD	

INDIANA
DEPARTMENT OF TRANSPORTATION

SR 51 AT SR 130 INTERSECTION IMPROVEMENT
EROSION CONTROL PLANS

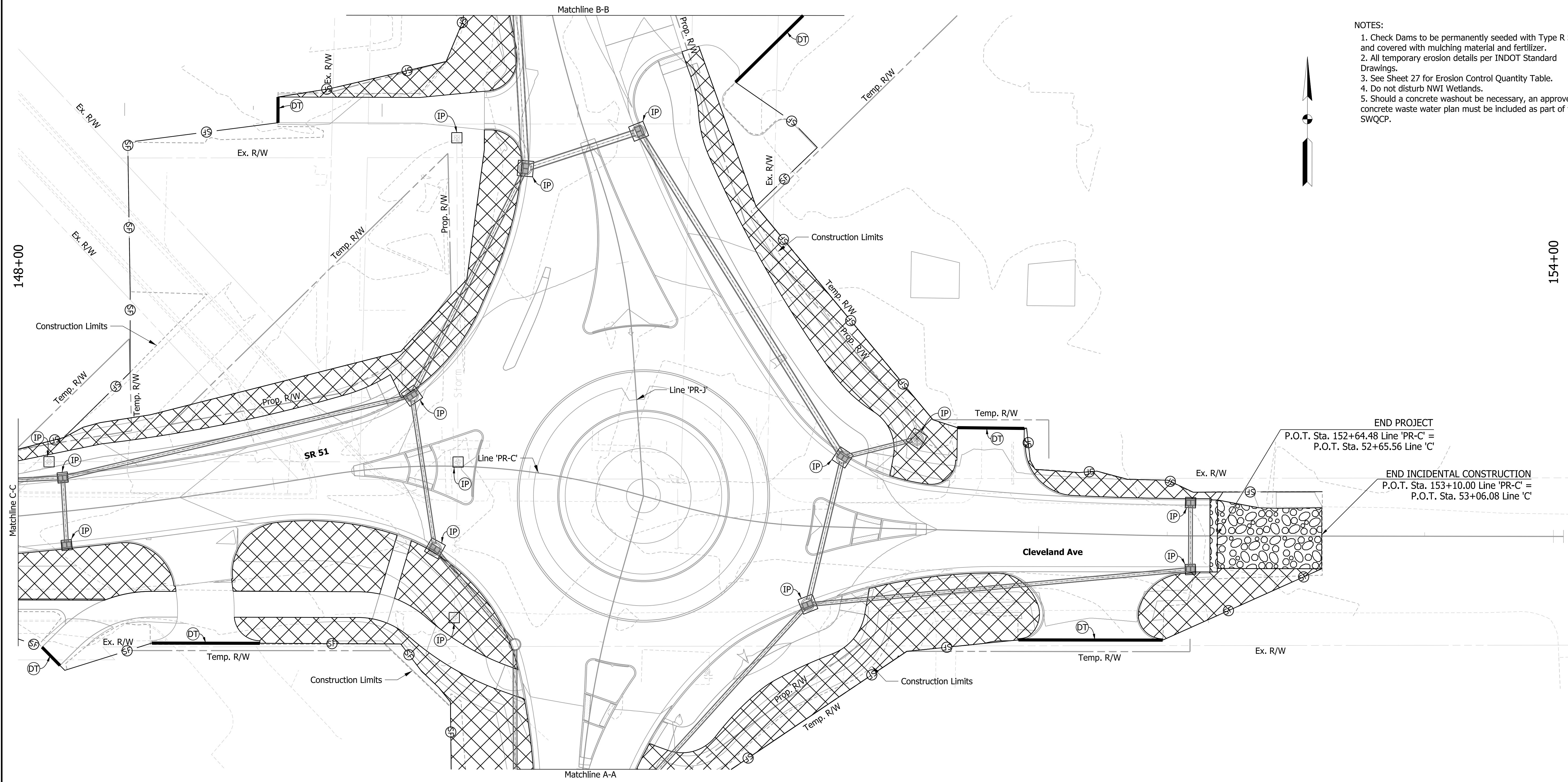
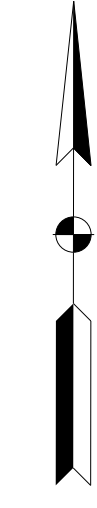
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VERTICAL SCALE	DESIGNATION
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SURVEY BOOK	SHEETS
ELECTRONIC	25 of 44
CONTRACT	PROJECT
R-42248	1600693

LEGEND

-  Temporary Traversable Check Dam, Filter Sock, or Fiber Rolls
-  Temporary Inlet Protection
-  Permanent Outlet Protection (Riprap)
-  Temporary Silt Fence
-  Erosion Control Blanket
-  Construction Entrance

NOTES:

1. Check Dams to be permanently seeded with Type R Seed and covered with mulching material and fertilizer.
2. All temporary erosion details per INDOT Standard Drawings.
3. See Sheet 27 for Erosion Control Quantity Table.
4. Do not disturb NWI Wetlands.
5. Should a concrete washout be necessary, an approved concrete waste water plan must be included as part of the SWQCP.



END PROJECT
 P.O.T. Sta. 152+64.48 Line 'PR-C' =
 P.O.T. Sta. 52+65.56 Line 'C'

END INCIDENTAL CONSTRUCTION
 P.O.T. Sta. 153+10.00 Line 'PR-C' =
 P.O.T. Sta. 53+06.08 Line 'C'

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PRELIMINARY
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 DATE: 7/20/2021

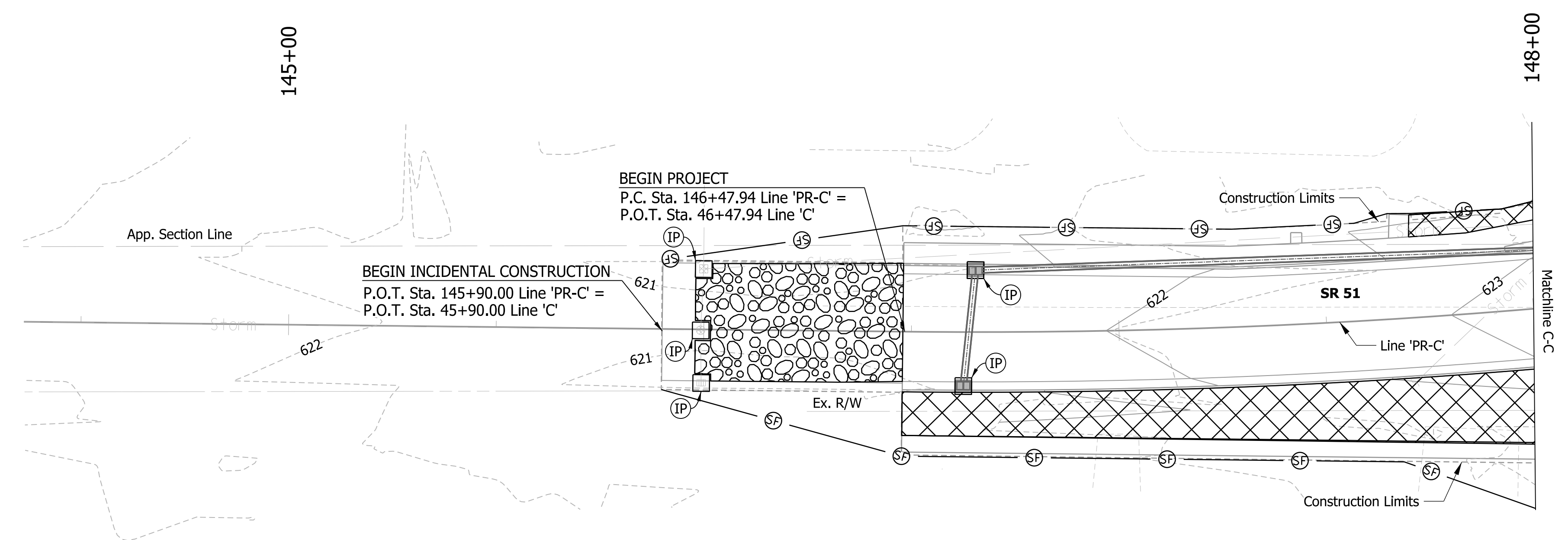
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: PFR	DRAWN: PFR	
CHECKED: LRD	CHECKED: LRD	

INDIANA
 DEPARTMENT OF TRANSPORTATION

SR 51 AT SR 130 INTERSECTION IMPROVEMENT
 EROSION CONTROL PLANS

HORIZONTAL SCALE	FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
N/A	1600693
SURVEY BOOK	SHEETS
ELECTRONIC	26 of 44
CONTRACT	PROJECT
R-42248	1600693

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LEGEND

- Temporary Traversable Check Dam, Filter Sock, or Fiber Rolls
- Temporary Inlet Protection
- Permanent Outlet Protection (Riprap)
- Temporary Silt Fence
- Erosion Control Blanket
- Construction Entrance

- NOTES:**
1. Check Dams to be permanently seeded with Type R Seed and covered with mulching material and fertilizer.
 2. All temporary erosion details per INDOT Standard Drawings.
 3. See Sheet 27 for Erosion Control Quantity Table.
 4. Do not disturb NWI Wetlands.
 5. Should a concrete washout be necessary, an approved concrete waste water plan must be included as part of the SWQCP.

TEMPORARY EROSION CONTROL TABLE									
STATION	Line	LOCATION		SILT FENCE		EROSION CONTROL BLANKET	INLET PROTECTION	TEMPORARY CHECK DAM, TRAVERSABLE	REMARKS
		LEFT	RIGHT	LFT	SYS	EACH	LFT		
173+75 - 183+76	PR-J	X		773.2		781.1			
173+75 - 180+59	PR-J		X	709.3		706.0			
145+90 - 153+10	PR-C		X	617.4		361.6			
145+90 - 153+10	PR-C	X		487.2		1086.2			
145+99	PR-C		X				2		
145+99	PR-C	X					1		
146+62	PR-C		X				1		
146+65	PR-C	X					1		
148+14	PR-C	X					1		
148+17	PR-C		X				1		
148+19	PR-C	X					1		
149+55	PR-C	X					1		
149+63	PR-C		X				1		
149+72	PR-C	X					1		
149+72	PR-C	X					1		
151+11	PR-C		X				1		
151+23	PR-C	X					1		
151+52	PR-C	X					1		
152+59	PR-C	X					1		
152+59	PR-C		X				1		
174+26	PR-J		X				1		
174+75	PR-J	X					1		
174+75	PR-J		X				1		
175+83	PR-J		X				1		
178+47	PR-J	X					1		
178+47	PR-J		X				1		
178+65	PR-J	X					1		
179+97	PR-J		X				1		
180+07	PR-J	X					1		
148+07	PR-C		X					10	
148+66	PR-C		X					42	
151+80	PR-C	X						26	
152+21	PR-C		X					56	
174+44	PR-J	X						24	
175+02	PR-J	X						40	
178+78	PR-J		X					90	
178+90	PR-J	X						10	
180+19	PR-J	X						14	
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PRELIMINARY
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DATE: 7/20/2021

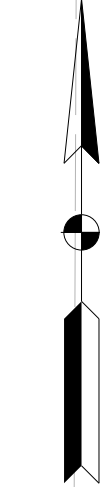
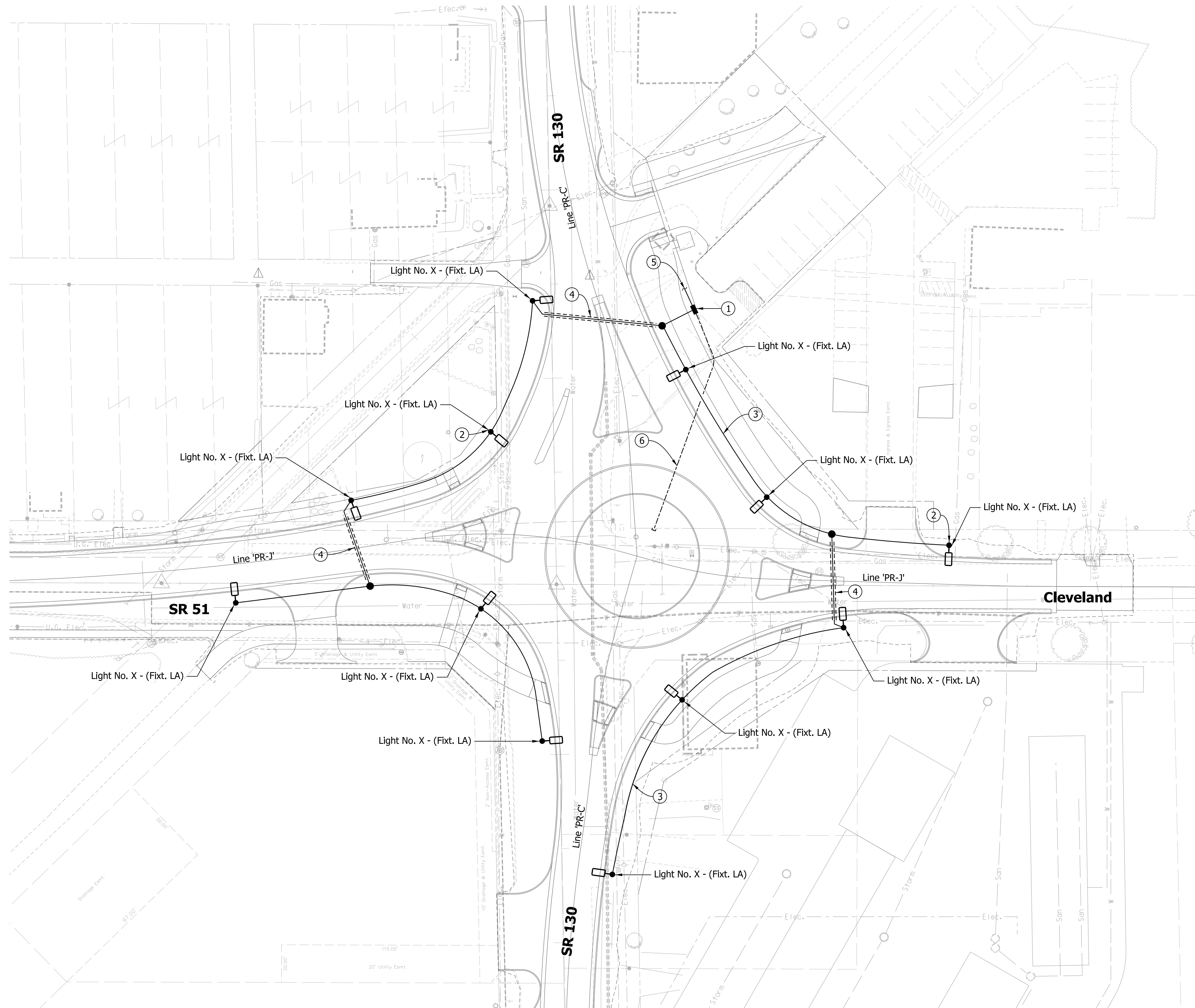
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DESIGNED: PFR _____	DRAWN: PFR _____	
CHECKED: LRD _____	CHECKED: LRD _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

SR 51 AT SR 130 INTERSECTION IMPROVEMENT
EROSION CONTROL PLANS

HORIZONTAL SCALE	FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
N/A	1600693
SURVEY BOOK	SHEETS
ELECTRONIC	27 of 44
CONTRACT	PROJECT
R-42248	1600693

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- ### KEYNOTES
- ① Electric Service Point Type II Modified, 120/240V.
 - ② Roadway Light Fixture (Typ).
 - ③ Cable Duct Wire #4 Cu in Plastic Duct 4-1/C (Typ).
 - ④ Provide 3" Galvanized Rigid Conduit Sleeve Under Road for Cable Duct.
 - ⑤ Provide 2" Conduit to Location Designated by Utility Company for Electric Service.
 - ⑥ Future Electric needs at Center of Roundabout.

- ### LEGEND
- ◻ LED Luminaire and Pole
 - Service Point Type II Modified
 - Conduit and Cabling
 - ≡≡ Galvanized Rigid Conduit
 - 2" PVC Conduit Capped with Pull Line
 - Handhole

LUMINAIRE STATISTICS

AVERAGE	-	FC
MINIMUM	-	FC
AVG/MIN	-	-

Note To Reviewer
 Preliminary Lighting Design provided.
 Final Lighting Design will be provided with the next submission.



PRELIMINARY
 NOT FOR CONSTRUCTION
 DATE: 7/20/2021

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: PFR	DRAWN: PFR	
CHECKED: LRD	CHECKED: LRD	

INDIANA
DEPARTMENT OF TRANSPORTATION
 SR 51 AT SR 130 INTERSECTION IMPROVEMENT
 LIGHTING PLAN

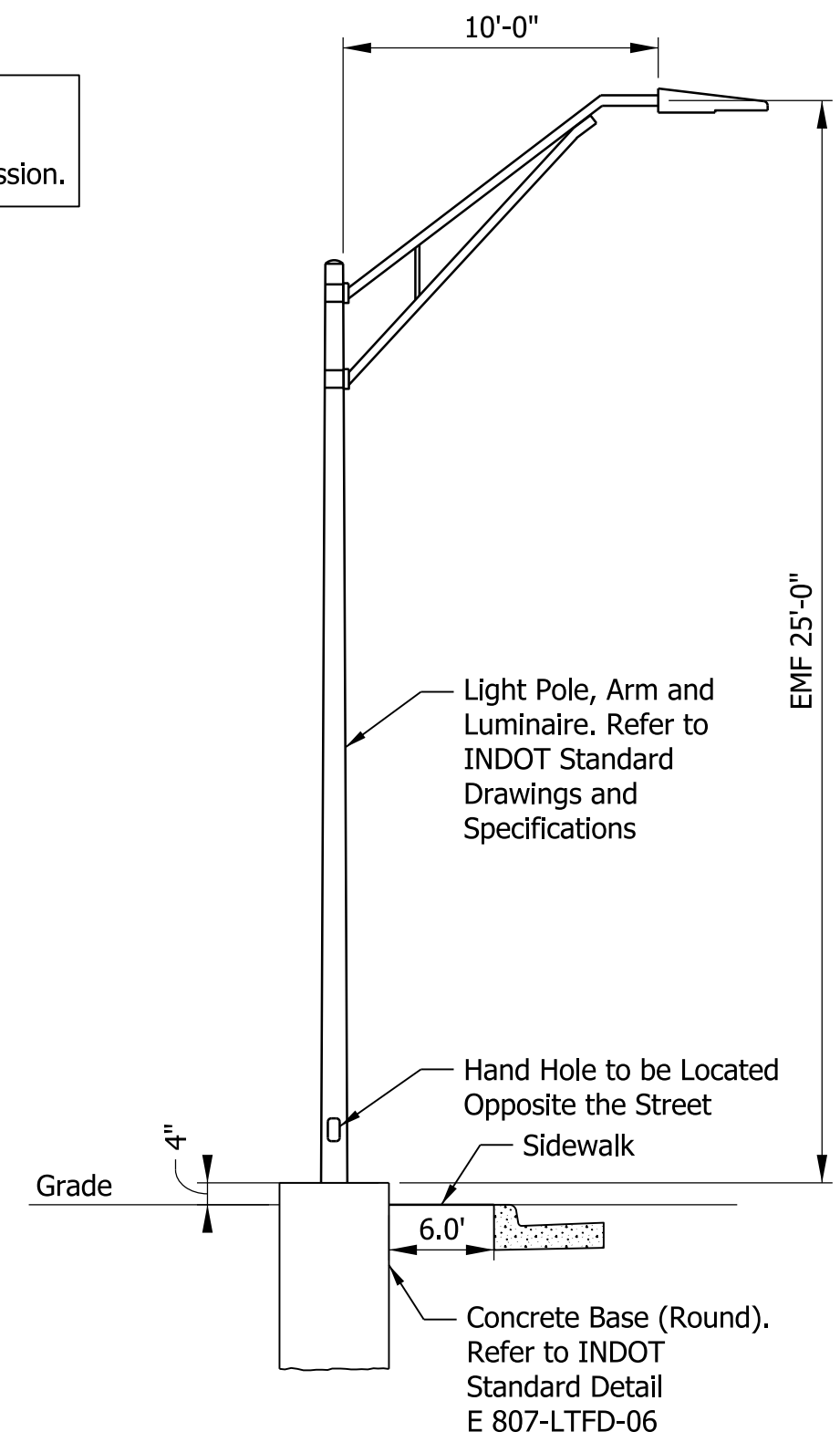
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VERTICAL SCALE	DESIGNATION
N/A	1600693
SURVEY BOOK	SHEETS
ELECTRONIC	28 of 44
CONTRACT	PROJECT
R-42248	1600693

LUMINAIRE AND POLE INFORMATION SCHEDULE												
LUMINAIRE NO.	1	2	3	4	5	6	7	8	9	10	11	12
CIRCUIT NO.	A-1	A-1	A-1	A-1	A-1	A-1	A-1	A-1	A-1	A-1	A-1	A-1
CIRCUIT CONNECTION (R=RED, B=BLACK)	-	-	-	-	-	-	-	-	-	-	-	-
CONNECTION TYPE (1, 2, 3)	-	-	-	-	-	-	-	-	-	-	-	-
STATION	-	-	-	-	-	-	-	-	-	-	-	-
OFFSET SIDE	-	-	-	-	-	-	-	-	-	-	-	-
FOUNDATION SETBACK FROM FACE OF CURB	6'	6'	6'	6'	6'	6'	6'	6'	6'	6'	6'	6'

* Coordinate with Gas Line

LIGHTING FIXTURE SCHEDULE								
TYPE	SYMBOL	DESCRIPTION	MANUFACTURER	CATALOG NO.	LAMP	VOLTAGE	MOUNTING	REMARKS
LA	☐	INDOT STANDARD LED	-	-	-	-	-	
LA		INDOT STANDARD 10' ARM E-807-LTST	-	-	-	-	-	
LA		INDOT STANDARD 20' POLE E-807-LTST	-	-	-	-	-	

Note To Reviewer
Preliminary Lighting Design provided.
Final Lighting Design will be provided with the next submission.

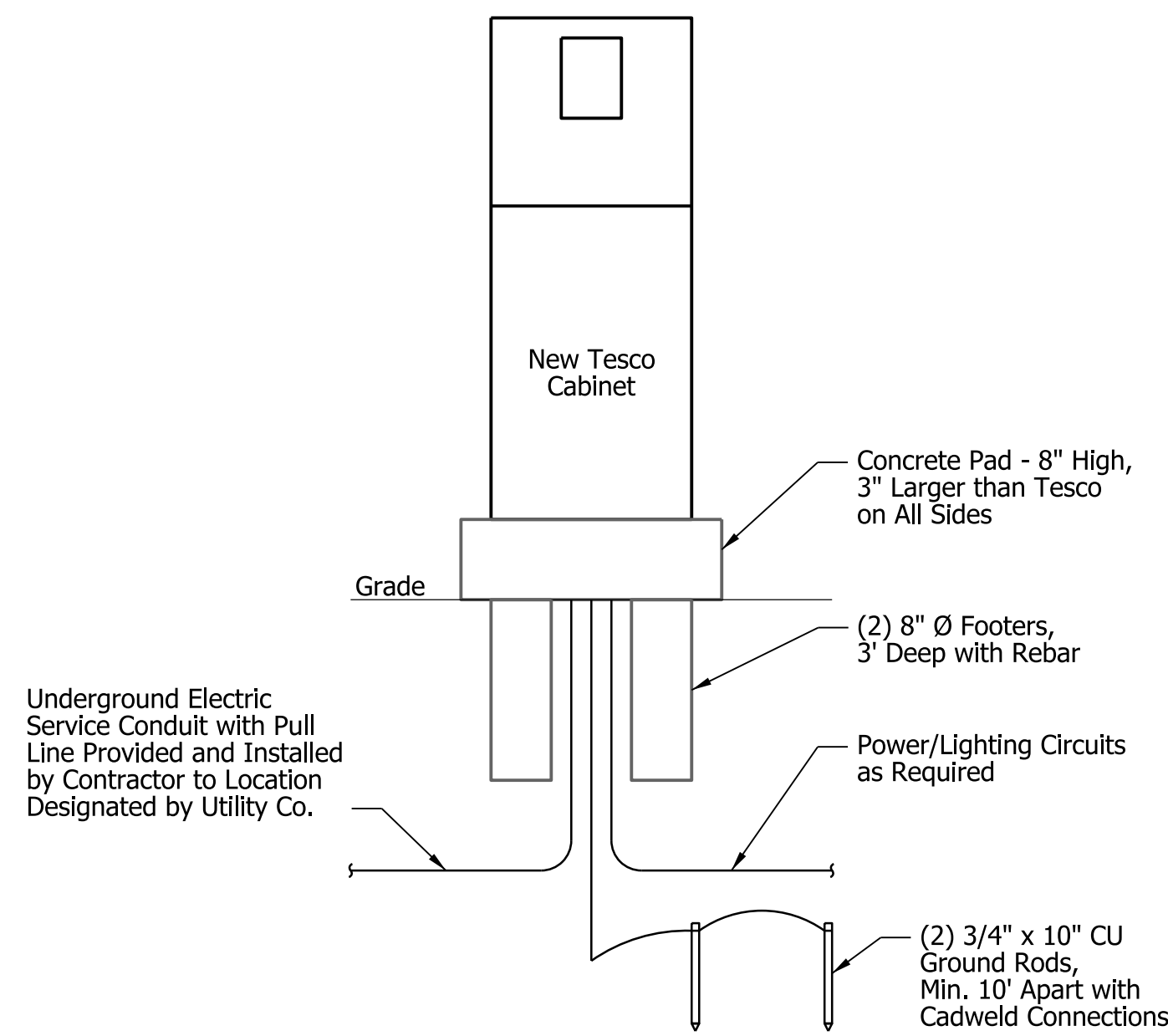


LIGHT POLE DETAIL

SCALE: Not to Scale

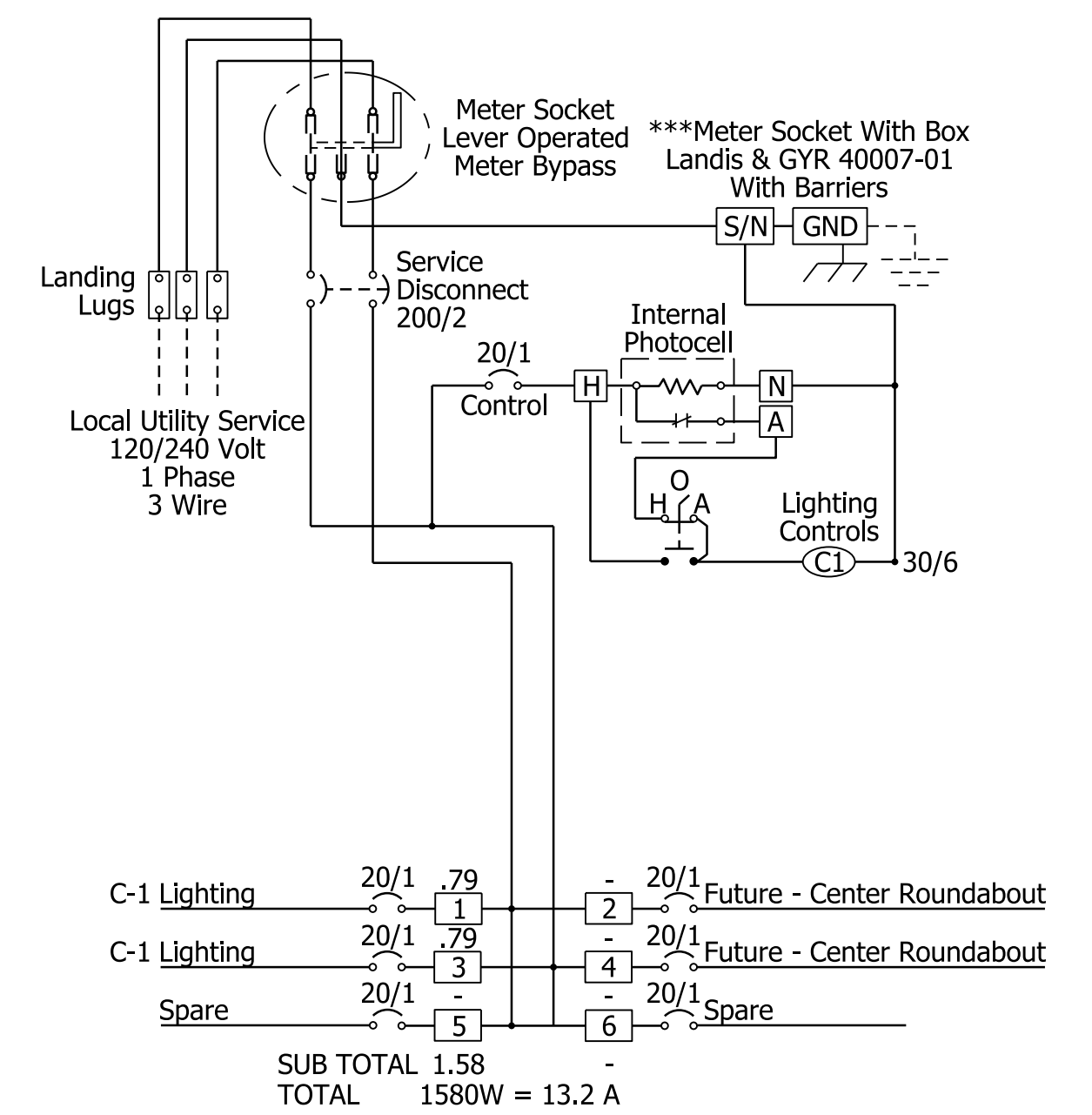
SERVICE AMPERAGE TABLE							
SERVICE POINT	SERVICE TYPE	VOLTAGE	MAIN BREAKER	CIRCUIT	BRANCH CIRCUIT COLOR	BRANCH CIRCUIT DESIGN LOAD	BRANCH CIRCUIT BREAKER
A	TYPE II Modified	120/240V	100 AMP	A-1	BLACK RED	- A - A	30A 30A

LUMINAIRE DESIGN DATA TABLE	
LUMINAIRE STYLE	INDOT STANDARD
LAMP TYPE	-
DESIGN SAMPLE PHOTOMETRIC CURVE	-
NOMINAL MOUNTING HEIGHT (MH)	25
LUMINAIRE CLASSIFICATION (IES)	-
VOLTAGE	120/240 V
LUMINAIRE LOAD OPERATING AMPS (VARIES DEPENDING ON MANUFACTURER)	- AMPS
INITIAL LAMP LUMENS (LL)	- K
DESIGN SOFTWARE	VISUAL
AVERAGE MAINTAINED ILLUMINATION (Eh)	- : 1



ELECTRIC RISER DIAGRAM

SCALE: Not to Scale



120/240V,
1 Phase, 3 Wire Service Detail

SCALE: Not to Scale
* Wiring Diagram for "Tesco" Cabinet

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DATE: 7/20/2021

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: PFR	DRAWN: PFR	
CHECKED: LRD	CHECKED: LRD	

INDIANA
DEPARTMENT OF TRANSPORTATION

SR 51 AT SR 130 INTERSECTION IMPROVEMENT
LIGHTING DETAILS

HORIZONTAL SCALE	FILE
N/A	
VERTICAL SCALE	DESIGNATION
N/A	1600693
SURVEY BOOK	SHEETS
ELECTRONIC	29 of 44
CONTRACT	PROJECT
R-42248	1600693

145+00

149+00

BEGIN PROJECT
P.C. Sta. 146+47.94 Line 'PR-C' =
P.O.T. Sta. 46+47.94 Line 'C'

BEGIN INCIDENTAL CONSTRUCTION
P.O.T. Sta. 145+90.00 Line 'PR-C' =
P.O.T. Sta. 45+90.00 Line 'C'

SR 51

Line 'PR-C'

Matchline C-C

- LEGEND
- (30) Line, Multi-Component, Solid, White, 4 in.
 - (33) Line, Multi-Component, Solid, Yellow, 4 in.
 - (34) Line, Multi-Component, Dotted, Yellow, 4 in.
 - (35) Line, Multi-Component, Solid, White, 8 in.
 - (36) Line, Multi-Component, Dotted, White, 8 in.
 - (37) Line, Multi-Component, Solid, Yellow, 8 in.
 - (40) Transverse Marking, Thermoplastic, Crosshatch Line, Solid, Yellow, 12 in.
 - (44) Transverse Marking, Thermoplastic, Stop Line, White, 24 in.
 - (45) Transverse Marking, Thermoplastic, Crosswalk Line, White, 6 in.
 - (46) Transverse Marking, Thermoplastic, Crosswalk Line, White, 24 in.
 - (48) Pavement Message Marking, Thermoplastic, Only
 - (49) Pavement Message Marking, Thermoplastic, Lane Indication Arrow

149+00

154+00

END PROJECT
P.O.T. Sta. 152+64.48 Line 'PR-C' =
P.O.T. Sta. 52+65.56 Line 'C'

END INCIDENTAL CONSTRUCTION
P.O.T. Sta. 153+10.00 Line 'PR-C' =
P.O.T. Sta. 53+06.08 Line 'C'

Cleveland Ave

NOTE TO REVIEWER:
Signage will be finalized
at the next submission

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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: PFR	DRAWN: PFR	
CHECKED: LRD	CHECKED: LRD	

INDIANA
DEPARTMENT OF TRANSPORTATION

SR 51 AT SR 130 INTERSECTION IMPROVEMENT
PAVEMENT MARKINGS LINE 'PR-C'

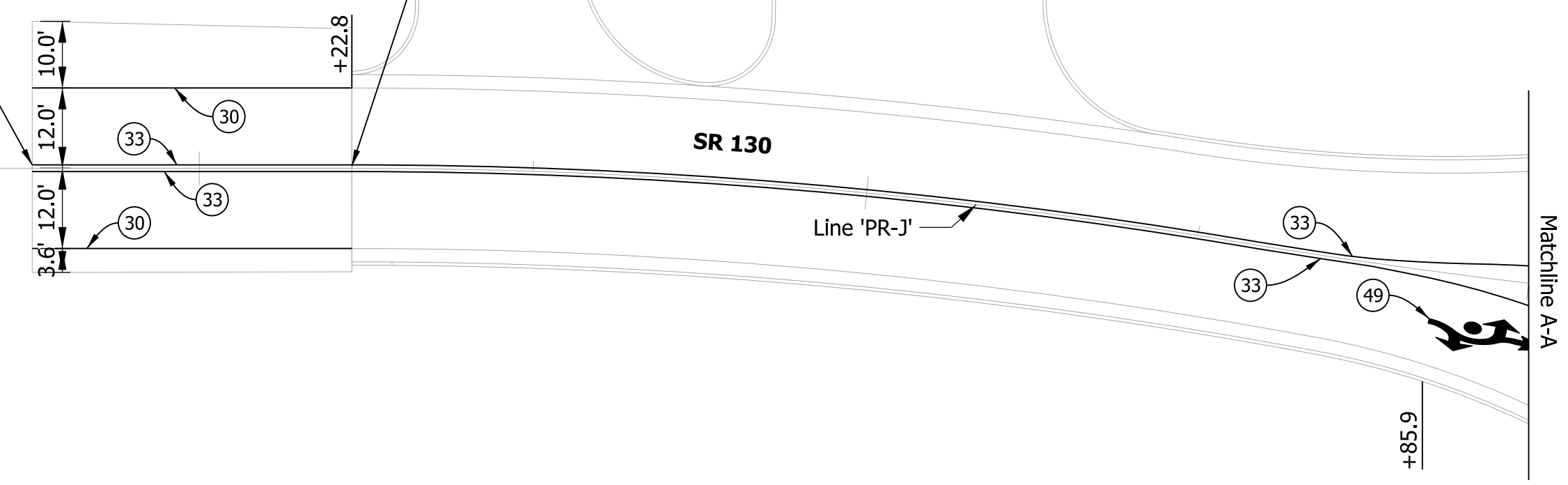
HORIZONTAL SCALE	FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
N/A	1600693
SURVEY BOOK	SHEETS
ELECTRONIC	30 of 44
CONTRACT	PROJECT
R-42248	1600693

171+50

BEGIN INCIDENTAL CONSTRUCTION
P.O.T. Sta. 173+75.00 Line 'PR-J' =
P.O.T. Sta. 64+25.00 Line 'J'

BEGIN PROJECT
P.O.T. Sta. 174+22.84 Line 'PR-J' =
P.O.T. Sta. 68+77.16 Line 'J'

176+00



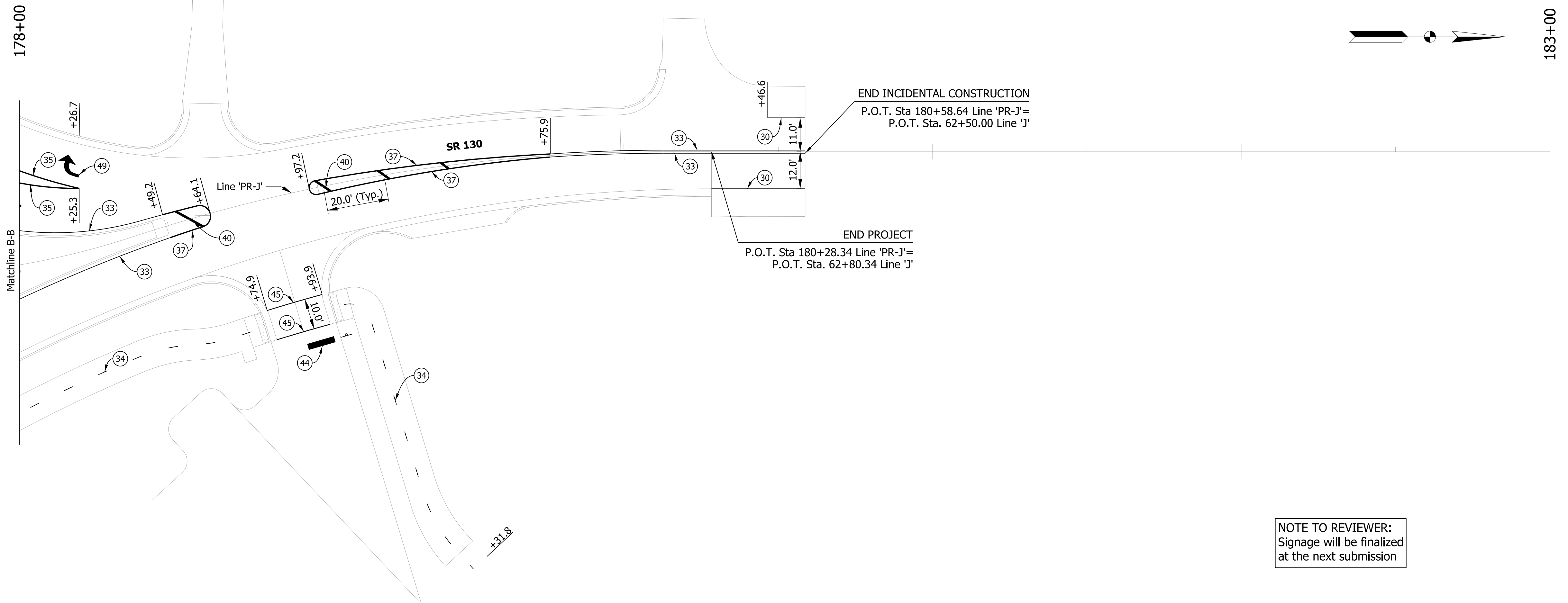
- LEGEND**
- (30) Line, Multi-Component, Solid, White, 4 in.
 - (33) Line, Multi-Component, Solid, Yellow, 4 in.
 - (34) Line, Multi-Component, Dotted, Yellow, 4 in.
 - (35) Line, Multi-Component, Solid, White, 8 in.
 - (36) Line, Multi-Component, Dotted, White, 8 in.
 - (37) Line, Multi-Component, Solid, Yellow, 8 in.
 - (40) Transverse Marking, Thermoplastic, Crosshatch Line, Solid, Yellow, 12 in.
 - (44) Transverse Marking, Thermoplastic, Stop Line, White, 24 in.
 - (45) Transverse Marking, Thermoplastic, Crosswalk Line, White, 6 in.
 - (46) Transverse Marking, Thermoplastic, Crosswalk Line, White, 24 in.
 - (48) Pavement Message Marking, Thermoplastic, Only
 - (49) Pavement Message Marking, Thermoplastic, Lane Indication Arrow

178+00

END INCIDENTAL CONSTRUCTION
P.O.T. Sta. 180+58.64 Line 'PR-J' =
P.O.T. Sta. 62+50.00 Line 'J'

END PROJECT
P.O.T. Sta. 180+28.34 Line 'PR-J' =
P.O.T. Sta. 62+80.34 Line 'J'

183+00



NOTE TO REVIEWER:
Signage will be finalized
at the next submission

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PRELIMINARY
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DATE: 7/20/2021

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: PFR	DRAWN: PFR	
CHECKED: LRD	CHECKED: LRD	

INDIANA
DEPARTMENT OF TRANSPORTATION

SR 51 AT SR 130 INTERSECTION IMPROVEMENT
PAVEMENT MARKINGS LINE 'PR-J'

HORIZONTAL SCALE	FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
N/A	1600693
SURVEY BOOK	SHEETS
ELECTRONIC	31 of 44
CONTRACT	PROJECT
R-42248	1600693

PAVEMENT QUANTITIES AND APPROACH TABLE

LOCATION	DESCRIPTION (APPROACH TYPE)	CLASS	SKEW	WIDTH	LENGTH	RADIUS FRONT	RADIUS BACK	GRADE		EXCAVATION		CLEAR ZONE AT DRIVE	HMA FOR APPROACHES			HMA FOR MAINLINE					HMA FOR ALLEYS			HMA FOR SIDEWALK		PCCP FOR APPROACHES		PCCP FOR MAINLINE		GEOGRID, TYPE IB	DENSE GRADED SUBBASE	ASPHALT FOR TACK COAT	COMPACTED AGGREGATE NO. 53		JOINT ADHESIVE, SURFACE	JOINT ADHESIVE, INTERMEDIATE	LIQUID ASPHALT SEALANT	SUBGRADE TREATMENT TYPE IB	SUBGRADE TREATMENT TYPE II	SUBGRADE TREATMENT TYPE III	REMARKS
								1	2	CUT	FILL		ASPHALT MILLING	QC/QA HMA, 3, 76, SURFACE, 12.5 mm	QC/QA HMA, 3, 76, INTERMEDIATE, 19.0 mm	QC/QA HMA, 4, 76, INTERMEDIATE, OG, 19.0 mm	QC/QA HMA, 3, 70, INTERMEDIATE, 19.0 mm	QC/QA HMA, 3, 64, BASE, 19.0 mm	QC/QA HMA, 2, 64, SURFACE, 9.5 mm	QC/QA HMA, 2, 64, INTERMEDIATE, 19.0 mm	QC/QA HMA, 2, 64, BASE, 25.0 mm	HMA SURFACE, TYPE B	HMA INTERMEDIATE, TYPE B	DEPTH	DEPTH	DEPTH		DEPTH	DEPTH				DEPTH	DEPTH							
								%	%	CYS	CYS															LBS PER SYD	2 IN														
								DEG.	LFT	LFT	LFT		LFT	1	2	CYS	CYS	LFT	165	275	660	2 IN	220	275	300	330	660	165	275				495	165							
LINE 'PR-J'																																									
Sta. 173+75.00 to 174+22.84																																									
Sta. 174+22.84 to 176+00.55																																									
Sta. 176+00.55 to 178+49.30																																									
Sta. 178+49.30 to 180+28.35																																									
Sta. 179+98.97 to 180+58.69																																									
LINE 'PR-C'																																									
Sta. 145+90.00 to 146+47.94																																									
Sta. 146+47.94 to 149+31.61																																									
Sta. 149+31.61 to 151+56.43																																									
Sta. 151+56.43 to 152+69.48																																									
Sta. 152+69.48 to 153+10.00																																									
Approaches Line 'PR-J'																																									
Sta. 174+43.9 Lt. Commercial III 24 21 10 20																																									
Sta. 175+02.7 Lt. Commercial III 40 25 10 20																																									
Sta. 179+43.7 Rt. Commercial III 30 7 20 10																																									
Approaches Line 'PR-C'																																									
Sta. 148+67.8 Rt. Commercial III/IV 22/42 20/24 20/10 20/10																																									
Sta. 151+80.4 Lt. Commercial III 26 25 10 20																																									
Sta. 152+21.3 Rt. Commercial III 56 27 20 20																																									
CONTRACT TOTALS (LFT, SYS OR CYS)																																									
CONTRACT TOTALS (SYS, CYS OR TONS)																																									

PAVEMENT MARKINGS SUMMARY TABLE

LOCATION	MULTI-COMPONENT						GROOVING FOR PAVEMENT MARKINGS	TRANSVERSE MARKING THERMOPLASTIC STOP LINE		TRANSVERSE MARKING THERMOPLASTIC CROSSHATCH LINE		TRANSVERSE MARKING THERMOPLASTIC CROSSWALK LINE		PAVEMENT MESSAGE THERMOPLASTIC ONLY	PAVEMENT MESSAGE THERMOPLASTIC LANE INDICATION ARROW	SNOWPLOWABLE RAISED PAVEMENT MARKER, WHITE	SNOWPLOWABLE RAISED PAVEMENT MARKER, WHITE-RED	SNOWPLOWABLE RAISED PAVEMENT MARKER, YELLOW-RED
	SOLID WHITE 4 in	SOLID WHITE 8 in	DOTTED WHITE 8 in	SOLID YELLOW 4 in	SOLID YELLOW 8 in	DOTTED YELLOW 4 in		SOLID WHITE 12 in	SOLID WHITE 24 in	SOLID WHITE 24 in	SOLID YELLOW 12 in	SOLID WHITE 6 in	SOLID WHITE 24 in					
	LFT	LFT	LFT	LFT	LFT	LFT		LFT	LFT	LFT	LFT	LFT	LFT					
LINE 'PR-J'																		
Sta. 173+75.00 to 174+22.84																		
Sta. 174+22.84 to 176+00.55																		
Sta. 176+00.55 to 178+49.30																		
Sta. 178+49.30 to 180+28.35																		
Sta. 179+98.97 to 180+58.69																		
LINE 'PR-C'																		
Sta. 145+90.00 to 146+47.94																		
Sta. 146+47.94 to 149+31.61																		
Sta. 149+31.61 to 151+56.43																		
Sta. 151+56.43 to 152+66.60																		
Sta. 152+66.60 to 153+10.00																		
Totals																		

NOTE TO REVIEWER:
 1.) PAVEMENT DESIGN WILL BE PER THE APPROVED PAVEMENT DESIGN.
 2.) SUBGRADE TREATMENT TYPE WILL BE PER GEOTECHNICAL REPORT.

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 DATE: 7/20/2021

RECOMMENDED FOR APPROVAL _____ DATE _____
 DESIGN ENGINEER _____
 DESIGNED: PFR DRAWN: PFR
 CHECKED: LRD CHECKED: LRD

INDIANA
 DEPARTMENT OF TRANSPORTATION
 SR 51 AT SR 130 INTERSECTION IMPROVEMENT
 PAVEMENT QUANTITIES AND APPROACH TABLE
 AND PAVEMENT MARKINGS SUMMARY TABLE

HORIZONTAL SCALE	FILE
N/A	
VERTICAL SCALE	DESIGNATION
N/A	1600693
SURVEY BOOK	SHEETS
ELECTRONIC	32 of 44
CONTRACT	PROJECT
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STRUCTURE DATA

STRUCTURE NUMBER	LOCATION					SIZE	PIPE TYPE	DESCRIPTION MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH	FLOW LINE				RIM ELEVATION	SERVICE LIFE	PH	BACKFILL METHOD	STRUCTURE BACKFILL	TYPE	CONNECT TO STR. NO.	REMARKS
	STATION	LEFT	RIGHT	CROSS	OFFSET					UP STREAM	DOWN STREAM										
												FT	INCHES								
17	146+63 , Line 'PR-C'		X		13.0	12	2	Inlet C-15	26.0	1.97	618.10	617.80	621.30	75	7.0	1	9.0	1	1		
1	146+65 , Line 'PR-C'	X			15.0	24	2	Inlet C-15	67.0	5.14	613.80	613.50	621.25	75	7.0	1	80.0	1	Outfall		
16	148+18 , Line 'PR-C'		X		13.0	12	2	Inlet C-15	25.0	1.92	620.00	619.80	623.15	75	7.0	1	8.5	1	2		
2	148+19 , Line 'PR-C'	X			15.0	24	2	Inlet C-15	149.0	6.34	614.50	613.80	623.15	75	7.0	1	214.9	1	1		
3	149+55 , Line 'PR-C'		X		28.0	24	2	Manhole C-15	136.0	7.09	615.50	615.00	624.90	75	7.0	1	217.9	1	2		
15	149+63 , Line 'PR-C'	X			32.0	24	2	Inlet C-15	57.0	6.24	616.50	616.00	625.05	75	7.0	1	81.0	1	3		
11	151+11 , Line 'PR-C'	X			30.0	24	2	Manhole C-15	112.0	5.49	617.40	616.80	625.20	75	7.0	1	141.7	1	19		
8	151+23 , Line 'PR-C'		X		27.0	24	2	Manhole C-15	55.0	5.29	617.80	617.40	625.40	75	7.0	1	67.3	1	11		
18	151+57 , Line 'PR-C'		X		33.0	18	2	Manhole C-15	31.0	1.93	619.10	618.30	622.80	75	7.0	1	13.9	1	8		
9	152+59 , Line 'PR-C'		X		13.0	12	2	Inlet C-15	101.0	3.02	620.10	619.60	624.35	75	7.0	1	49.1	1	18		
10	152+59 , Line 'PR-C'	X			13.0	12	2	Inlet C-15	24.0	1.92	621.20	621.00	624.35	75	7.0	1	8.1	1	9		
14	174+75 , Line 'PR-J'		X		13.0	12	2	Inlet C-15	170.0	2.22	618.70	617.60	622.15	75	7.0	1	64.4	1	19		
13	174+75 , Line 'PR-J'	X			13.0	12	2	Inlet C-15	25.0	1.92	619.00	618.70	622.15	75	7.0	1	8.5	1	14		
12	175+83 , Line 'PR-J'	X			15.0	12	2	Inlet C-15	108.0	2.22	620.50	619.90	623.95	75	7.0	1	40.9	1	11		
19	176+42 , Line 'PR-J'		X		33.0	12	2	Manhole C-4	46.0	7.42	616.60	616.50	625.25	75	7.0	1	52.9	1	15		
7	178+46 , Line 'PR-J'	X			20.0	12	2	Inlet C-15	44.0	2.07	620.80	620.60	624.10	75	7.0	1	15.8	1	4		
4	178+47 , Line 'PR-J'		X		26.0	18	2	Manhole C-15	95.0	3.63	618.70	618.40	624.10	75	7.0	1	68.6	1	3		
5	179+96 , Line 'PR-J'		X		13.0	12	2	Inlet C-15	152.0	2.27	619.90	619.20	623.40	75	7.0	1	58.5	1	4		
6	179+97 , Line 'PR-J'	X			14.0	12	2	Inlet C-15	25.0	2.07	620.10	619.90	623.40	75	7.0	1	9.0	1	6		

Note: All Station and Offset Callouts for Curb Castings are from the Middle of the Face of Casting Curb Box. All Other Structures are Called Out From the Center of Structure.

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DESIGN ENGINEER _____ DATE _____
DESIGNED: PFR _____ DRAWN: PFR _____
CHECKED: LRD _____ CHECKED: LRD _____

INDIANA
DEPARTMENT OF TRANSPORTATION

SR 51 AT SR 130 INTERSECTION IMPROVEMENT
STRUCTURE DATA TABLE

HORIZONTAL SCALE	FILE
N/A	
VERTICAL SCALE	DESIGNATION
N/A	1600693
SURVEY BOOK	SHEETS
ELECTRONIC	33 of 44
CONTRACT	PROJECT
R-42248	1600693