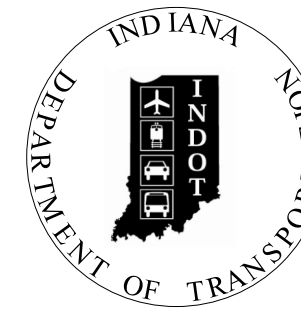


PROJECT	DESIGNATION
1383615	1383615
CONTRACT	
R-41033	

INDIANA DEPARTMENT OF TRANSPORTATION



ROAD PLANS

LOCATION: SR 55 AT 73RD AVE. - INTERSECTION IMPROVEMENT

PROJECT NO. 1383615 P.E. R/W
1383615 CONST.

SCALES:

PLAN:



PROFILE HORIZ:

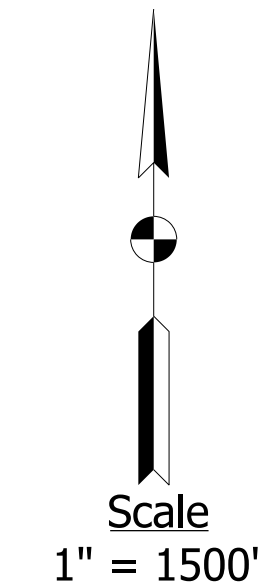
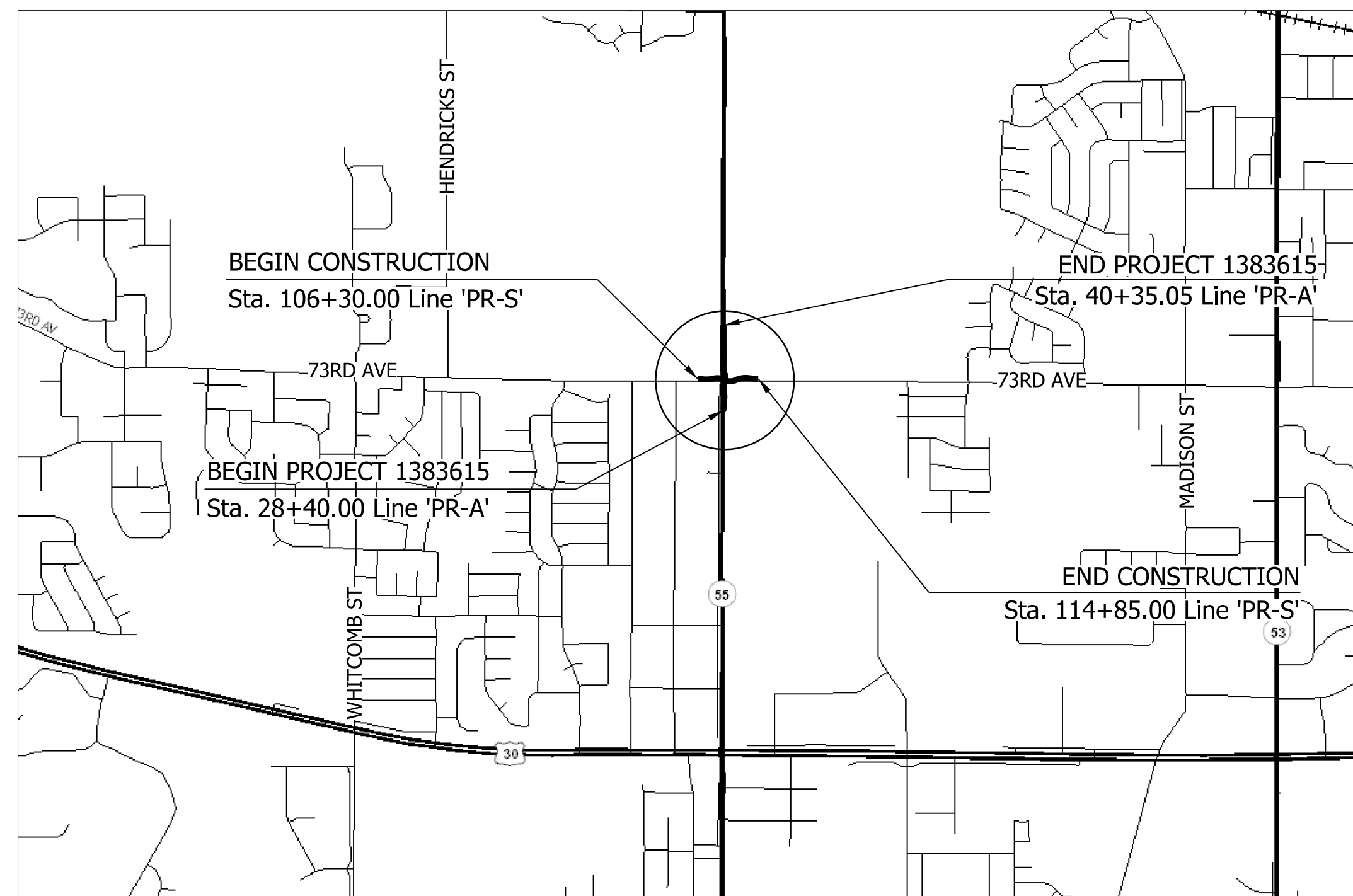


PROFILE VERT:



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.

INTERSECTION IMPROVEMENT ON SR 55 AT 73RD AVE.,
LOCATED IN SECTION 17, T-35-N, R-8-W, ROSS TOWNSHIP, LAKE COUNTY, INDIANA



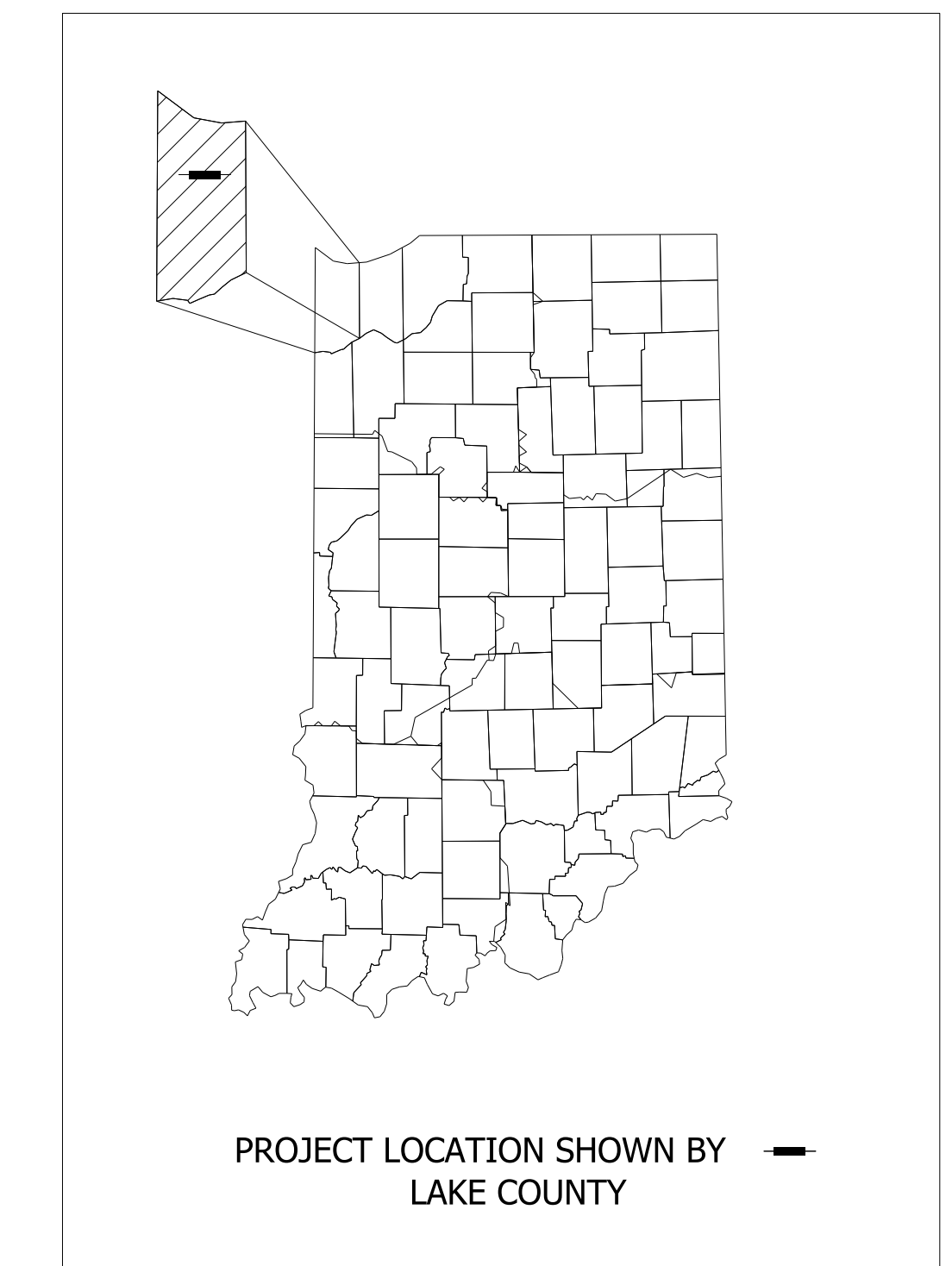
LOCATION MAP
ROSS TOWNSHIP
SEC 17, T-35-N, R-8-W
LAKE COUNTY

TRAFFIC DATA		SR 55
A.A.D.T.	2019	17,505 V.P.D.
A.A.D.T.	2045	17,505 V.P.D.
D.H.V	2045	1576 V.P.H.
DIRECTIONAL DISTRIBUTION		53 %
TRUCKS		2.6 % A.A.D.T. 2.6 % D.H.V.

DESIGN DATA	
DESIGN SPEED	45 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL
RURAL/URBAN	URBAN (INTERMEDIATE)
TERRAIN	LEVEL
ACCESS CONTROL	NONE

TRAFFIC DATA		73RD AVE
A.A.D.T.	2019	11,748 V.P.D.
A.A.D.T.	2045	11,748 V.P.D.
D.H.V	2045	812 V.P.H.
DIRECTIONAL DISTRIBUTION		50 %
TRUCKS		2.0 % A.A.D.T. 2.0% % D.H.V.

DESIGN DATA	
DESIGN SPEED	30 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	MINOR ARTERIAL
RURAL/URBAN	URBAN (INTERMEDIATE)
TERRAIN	LEVEL
ACCESS CONTROL	NONE



LATITUDE: 41° 29' 08" LONGITUDE: 87° 21' 54"

GROSS LENGTH: 0.24 MI.
NET LENGTH: 0.24 MI.
MAXIMUM GRADE: 4.00% %

HUC 14 # 04040001030010

STAGE 2 SUBMITTAL
10/1/2020

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2020
TO BE USED WITH THESE PLANS



PRELIMINARY
NOT FOR CONSTRUCTION
DATE: 10/1/2020

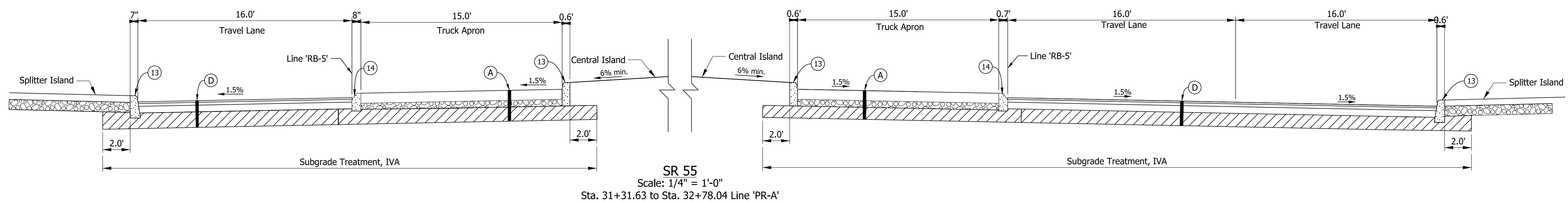
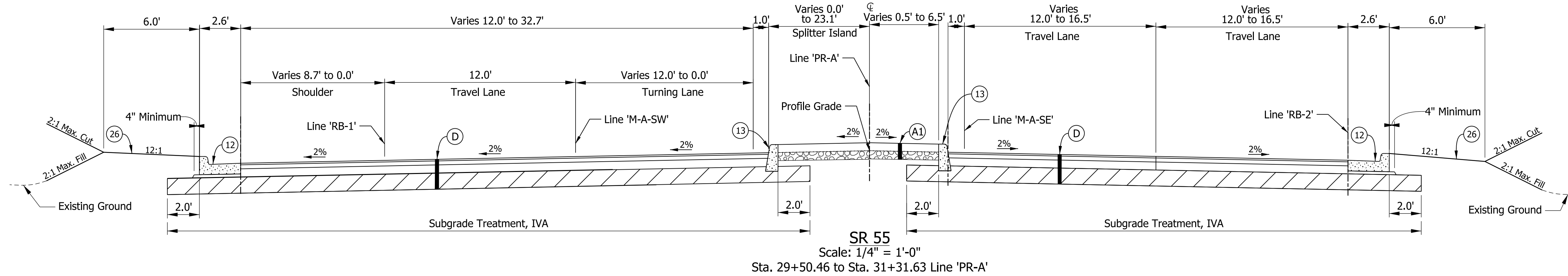
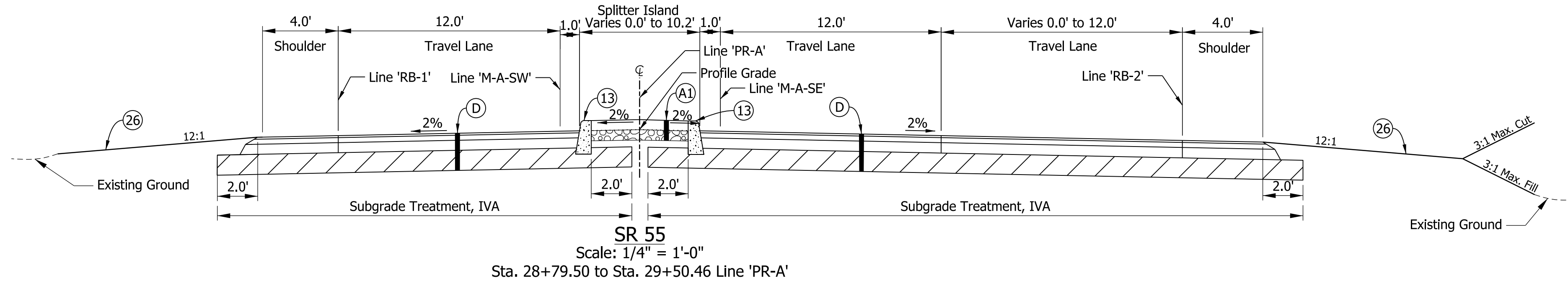
PLANS PREPARED BY: _____ PHONE NUMBER _____
CERTIFIED BY: _____ DATE _____
APPROVED FOR LETTING: _____ DATE _____
INDIANA DEPARTMENT OF TRANSPORTATION

DESIGNATION	
1383615	
SURVEY BOOK	SHEETS
CONTRACT	PROJECT
R-41033	1383615

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LEGEND

- (A) PCCP, 7 in., Jointed with D-1 Joints Spaced at 15 ft with 1 in. Diameter dowel bars Spaced at 12 in. on 17.5" Compacted Aggregate No. 53 on Subgrade Treatment, Type IVA (12 in. coarse aggregate with Geocell confining system)
- (A1) 6" in. PCCP, Colored & Stamped on Dense Graded Subbase
- (F) Sidewalk, Concrete
- (M) 2" Asphalt Milling
- (R) 220lb/syd QC/QA HMA, 3, 76, Surface 12.5 mm
- (D) 220 lb/syd QC/QA HMA, 3, 76, Surface, 12.5 mm, on 330 lb/syd QC/QA HMA, 3, 70, Intermediate, 19.0 mm, on 715 lb/syd QC/QA HMA, 3, 64, Base, 25.0 mm, on Drainage Layer Consisting of 300 lb/syd QC/QA HMA, 4, 76, Intermediate, OG 19.0 mm, on Separation Layer Consisting of 6 in. of Compacted Aggregate, No. 53 on Geotextile for Pavement, Type 1B on Subgrade Treatment, Type IVA (12 in. coarse aggregate with Geocell confining system)
- (12) Curb and Gutter, Combined, (Vertical)
- (13) Curb, Concrete
- (14) Curb, Concrete, B, Sloping
- (26) Sodding on Topsoil 4"



PRELIMINARY
NOT FOR CONSTRUCTION
DATE: 10/1/2020

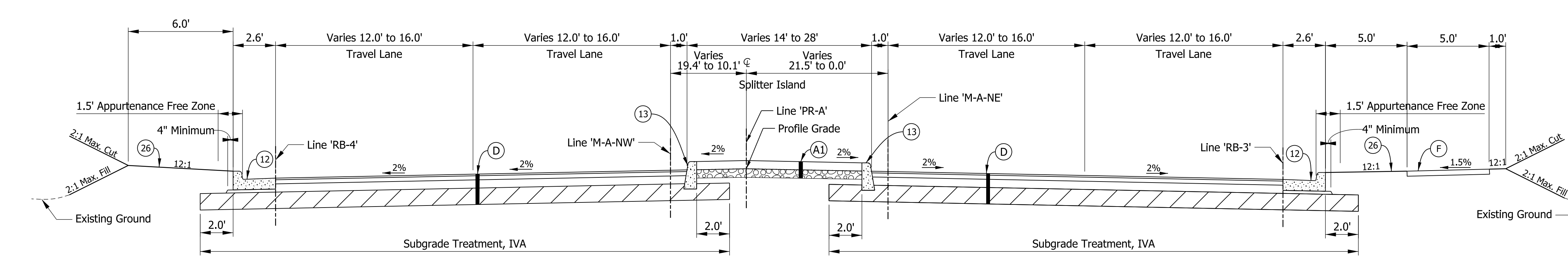
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JSC	DRAWN: REF	
CHECKED: LRD	CHECKED: CLW	

INDIANA DEPARTMENT OF TRANSPORTATION

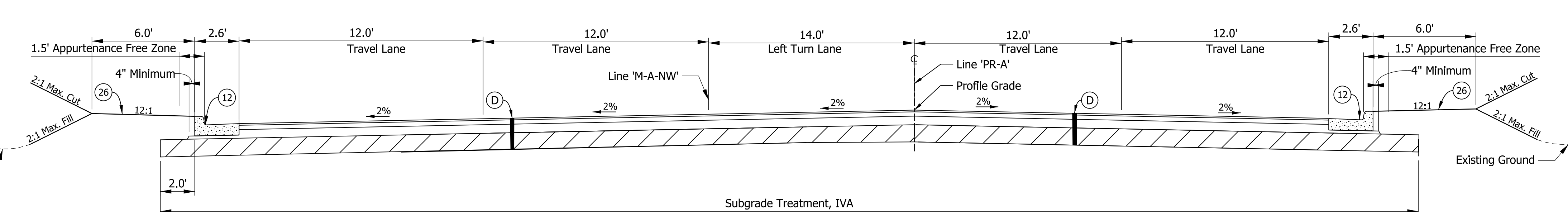
SR 55 AT 73RD AVE. INTERSECTION IMPROVEMENT
TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	-
VERTICAL SCALE	DESIGNATION
N/A	1383615
SURVEY BOOK	SHEETS
ELECTRONIC	3 of 41
CONTRACT	PROJECT
R-41033	1383615

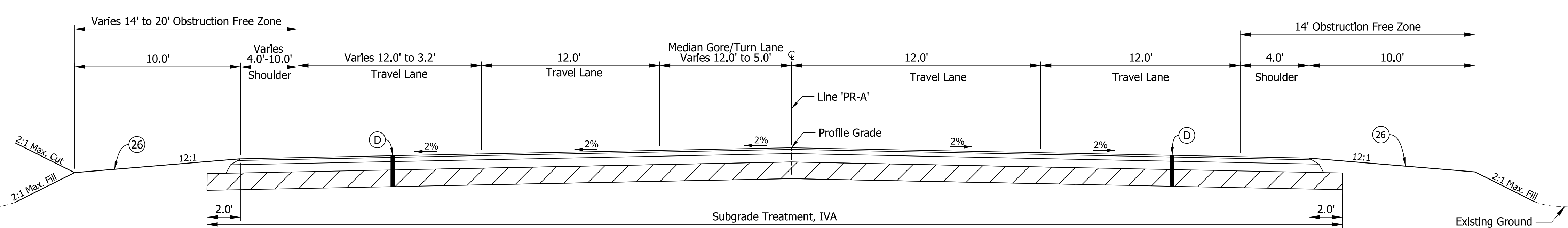
- LEGEND
- (A) PCCP, 7 in., Jointed with D-1 Joints Spaced at 15 ft with 1 in. Diameter dowel bars Spaced at 12 in. on 17.5" Compacted Aggregate No. 53 on Subgrade Treatment, Type IVA (12 in. coarse aggregate with Geocell confining system)
 - (A1) 6" in. PCCP, Colored & Stamped on Dense Graded Subbase
 - (F) Sidewalk, Concrete
 - (M) 2" Asphalt Milling
 - (R) 220lb/syd QC/QA HMA, 3, 76, Surface 12.5 mm
 - (D) 220 lb/syd QC/QA HMA, 3, 76, Surface, 12.5 mm, on 330 lb/syd QC/QA HMA, 3, 70, Intermediate, 19.0 mm, on 715 lb/syd QC/QA HMA, 3, 64, Base, 25.0 mm, on Drainage Layer Consisting of 300 lb/syd QC/QA HMA, 4, 76, Intermediate, OG 19.0 mm, on Separation Layer Consisting of 6 in. of Compacted Aggregate, No. 53 on Geotextile for Pavement, Type 1B on Subgrade Treatment, Type IVA (12 in. coarse aggregate with Geocell confining system)
 - (12) Curb and Gutter, Combined, (Vertical)
 - (13) Curb, Concrete
 - (14) Curb, Concrete, B, Sloping
 - (26) Sodding on Topsoil 4"



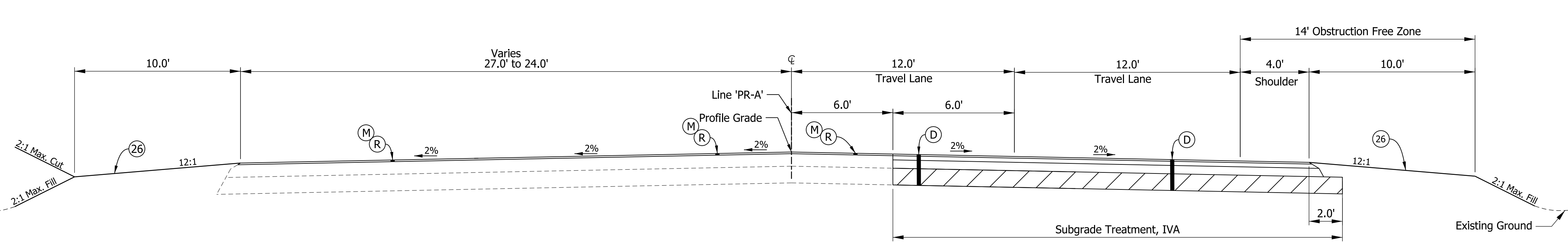
SR 55
Scale: 1/4" = 1'-0"
Sta. 32+78.04 to Sta. 34+68.97 Line 'PR-A'



SR 55
Scale: 1/4" = 1'-0"
Sta. 34+68.97 to Sta. 35+50.10 Line 'PR-A'



SR 55
Scale: 1/4" = 1'-0"
Sta. 35+50.10 to Sta. 37+30.15 Line 'PR-A'



SR 55
Scale: 1/4" = 1'-0"
Sta. 37+30.15 to Sta. 40+35.15 Line 'PR-A'

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PRELIMINARY
 NOT FOR CONSTRUCTION
 DATE: 10/17/2020

RECOMMENDED FOR APPROVAL _____ DATE _____

DESIGNED: JSC DRAWN: REF

CHECKED: LRD CHECKED: CLW

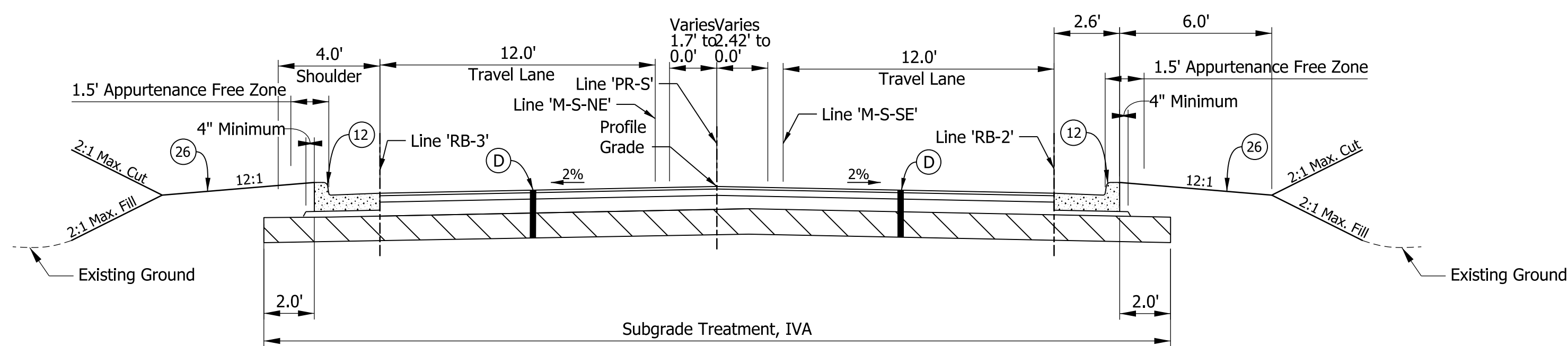
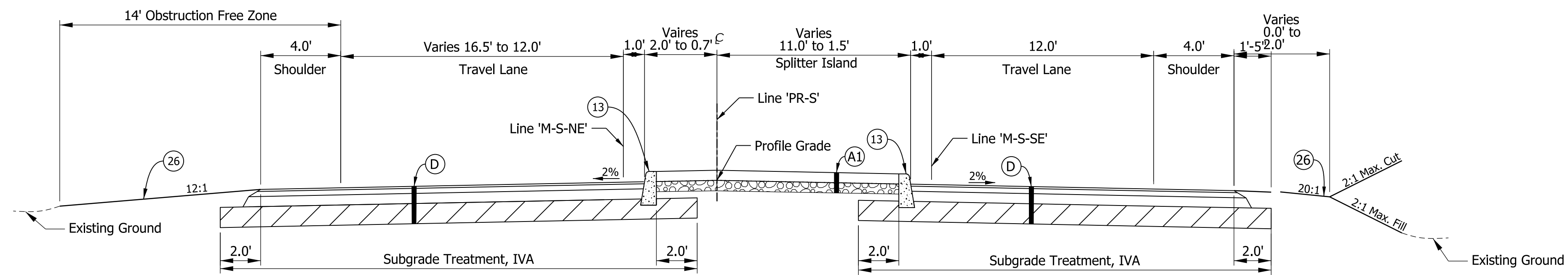
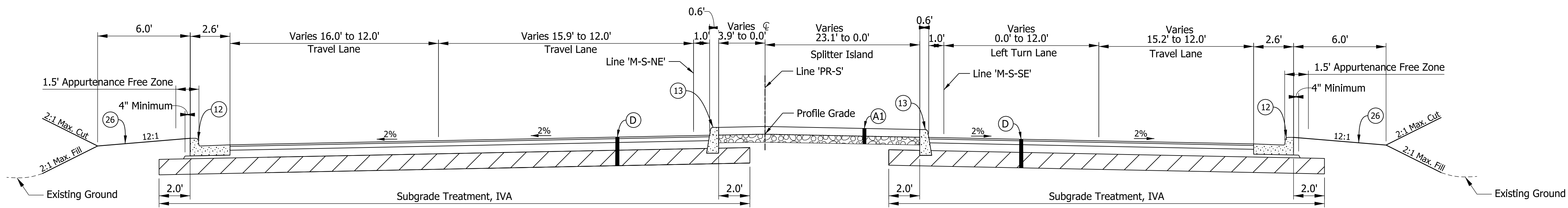
INDIANA DEPARTMENT OF TRANSPORTATION

SR 55 AT 73RD AVE. INTERSECTION IMPROVEMENT TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	-
VERTICAL SCALE	DESIGNATION
N/A	1383615
SURVEY BOOK	SHEETS
ELECTRONIC	4 of 41
CONTRACT	PROJECT
R-41033	1383615

LEGEND

- (A) PCCP, 7 in., Jointed with D-1 Joints Spaced at 15 ft with 1 in. Diameter dowel bars Spaced at 12 in. on 17.5" Compacted Aggregate No. 53 on Subgrade Treatment, Type IVA (12 in. coarse aggregate with Geocell confining system)
- (A1) 6" in. PCCP, Colored & Stamped on Dense Graded Subbase
- (F) Sidewalk, Concrete
- (M) 2" Asphalt Milling
- (R) 220lb/syd QC/QA HMA, 3, 76, Surface 12.5 mm
- (D) 220 lb/syd QC/QA HMA, 3, 76, Surface, 12.5 mm, on 330 lb/syd QC/QA HMA, 3, 70, Intermediate, 19.0 mm, on 715 lb/syd QC/QA HMA, 3, 64, Base, 25.0 mm, on Drainage Layer Consisting of 300 lb/syd QC/QA HMA, 4, 76, Intermediate, OG 19.0 mm, on Separation Layer Consisting of 6 in. of Compacted Aggregate, No. 53 on Geotextile for Pavement, Type 1B on Subgrade Treatment, Type IVA (12 in. coarse aggregate with Geocell confining system)
- (12) Curb and Gutter, Combined, (Vertical)
- (13) Curb, Concrete
- (14) Curb, Concrete, B, Sloping
- (26) Sodding on Topsoil 4"



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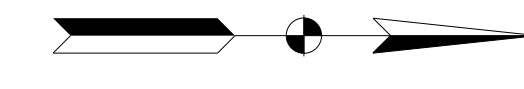
PRELIMINARY
NOT FOR CONSTRUCTION
DATE: 10/17/2020

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JSC	DRAWN: REF	
CHECKED: LRD	CHECKED: CLW	

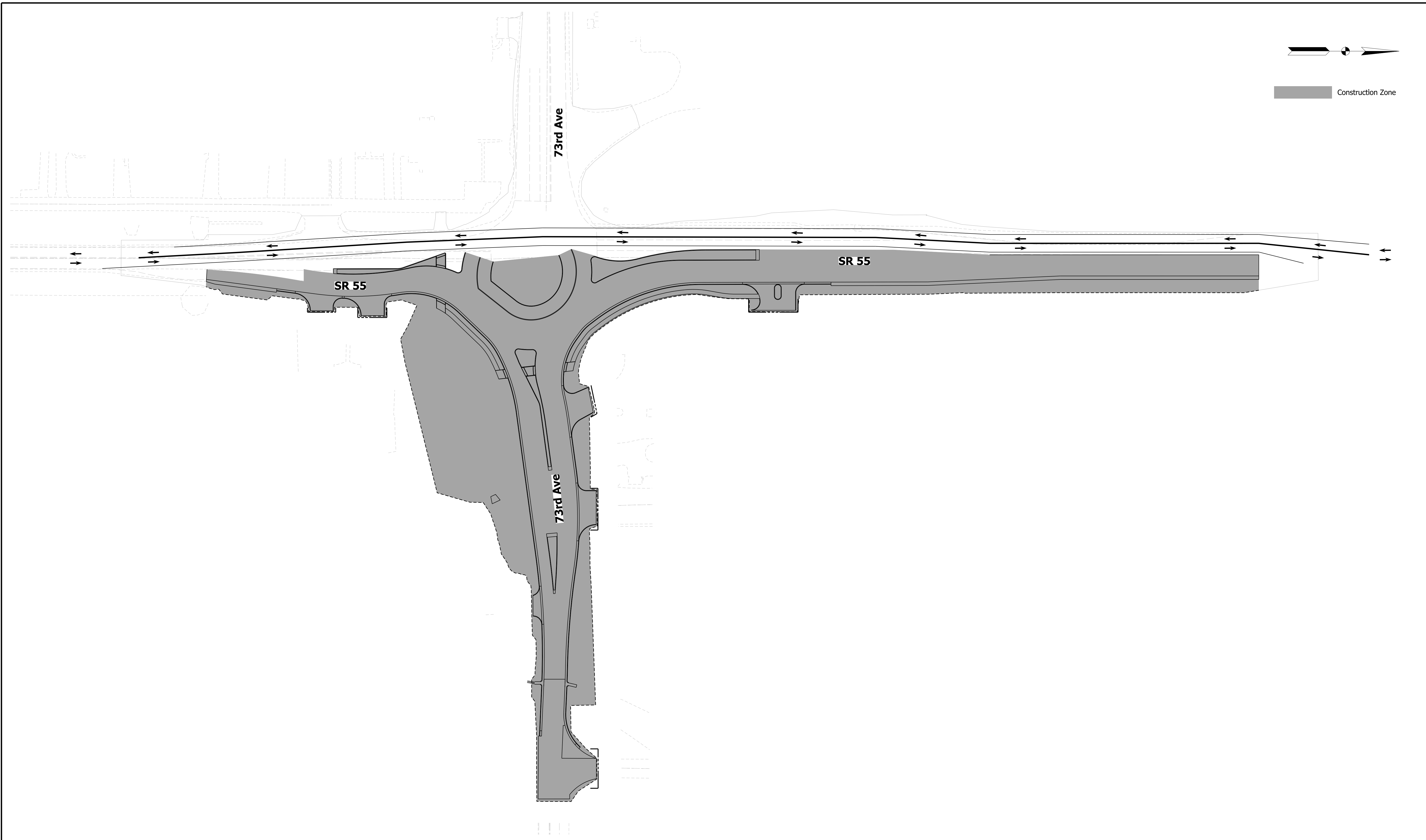
INDIANA
DEPARTMENT OF TRANSPORTATION

SR 55 AT 73RD AVE. INTERSECTION IMPROVEMENT
TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	-
VERTICAL SCALE	DESIGNATION
N/A	1383615
SURVEY BOOK	SHEETS
ELECTRONIC	6 of 41
CONTRACT	PROJECT
R-41033	1383615



Construction Zone



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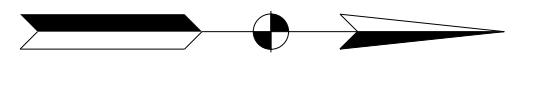
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NOT FOR CONSTRUCTION
DATE: 10/17/2020

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JSC	DRAWN: REF	
CHECKED: LRD	CHECKED: CLW	

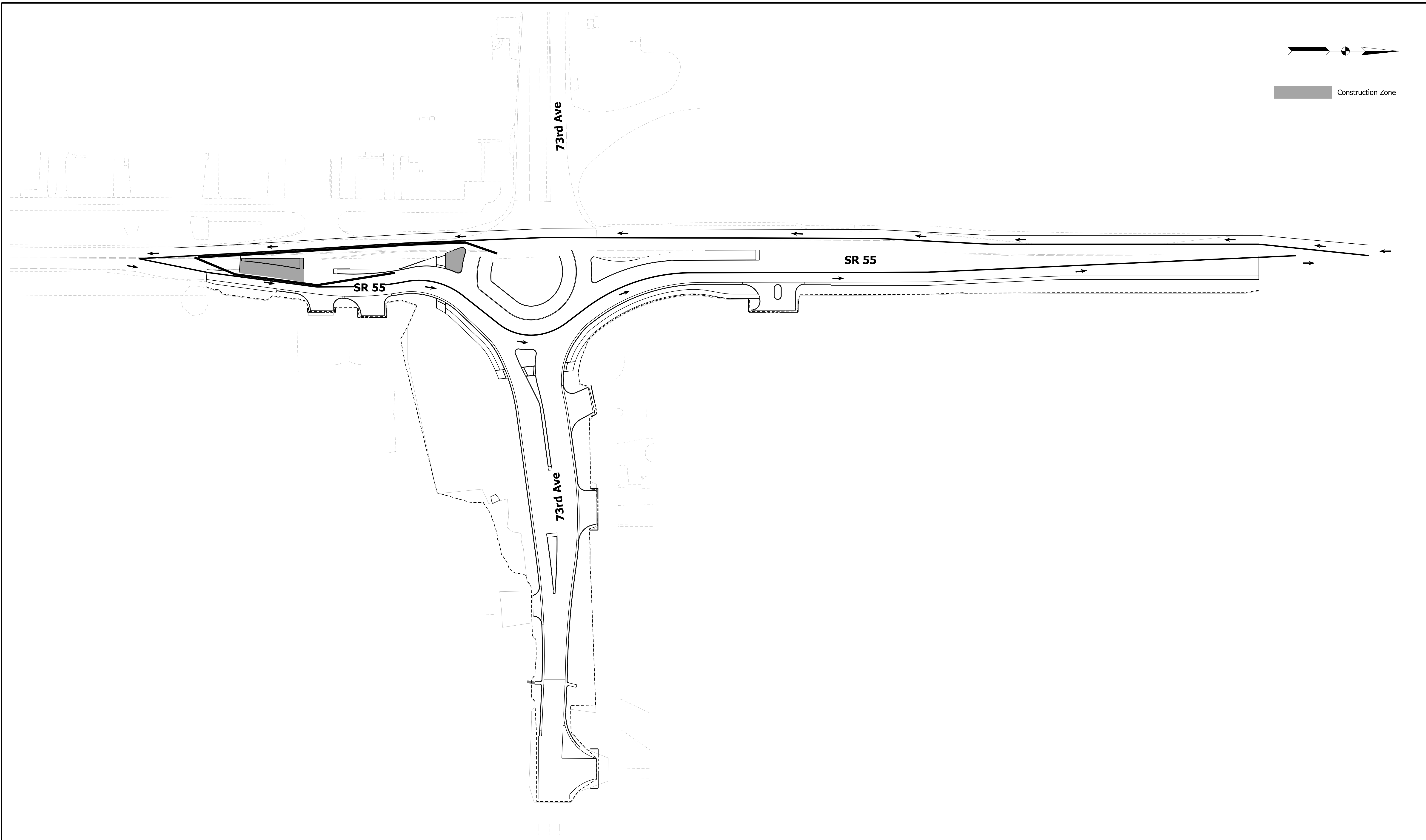
INDIANA
DEPARTMENT OF TRANSPORTATION

SR 55 AT 73RD AVE. INTERSECTION IMPROVEMENT
MAINTENANCE OF TRAFFIC - PHASE I

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	-
VERTICAL SCALE	DESIGNATION
N/A	1383615
SURVEY BOOK	SHEETS
ELECTRONIC	8 of 41
CONTRACT	PROJECT
R-41033	1383615



Construction Zone



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PRELIMINARY
NOT FOR CONSTRUCTION
DATE: 10/17/2020

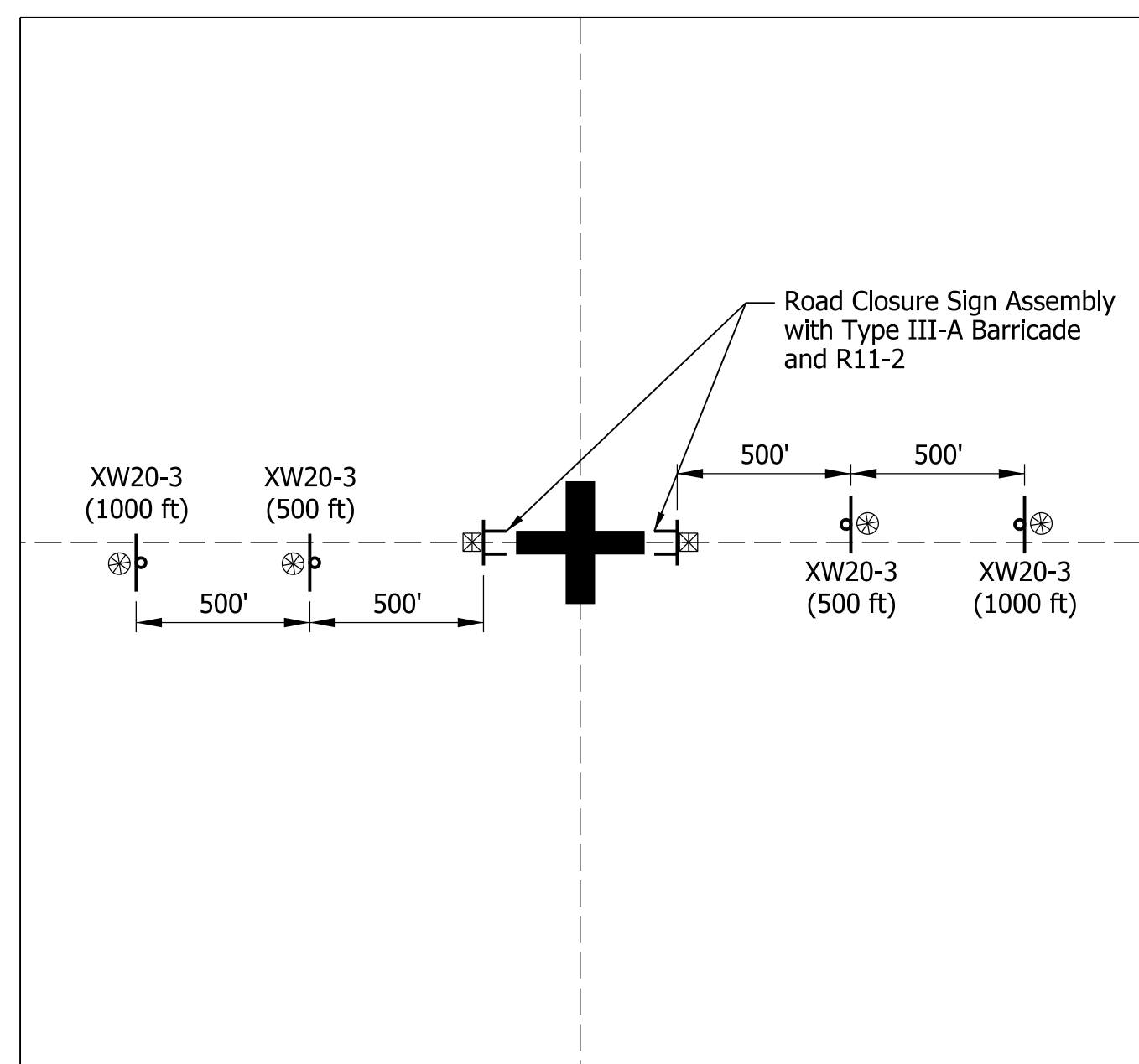
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DESIGNED: JSC	DRAWN: REF	
CHECKED: LRD	CHECKED: CLW	

INDIANA
DEPARTMENT OF TRANSPORTATION

SR 55 AT 73RD AVE. INTERSECTION IMPROVEMENT
MAINTENANCE OF TRAFFIC - PHASE II

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE -
VERTICAL SCALE N/A	DESIGNATION 1383615
SURVEY BOOK ELECTRONIC	SHEETS 9 of 41
CONTRACT R-41033	PROJECT 1383615

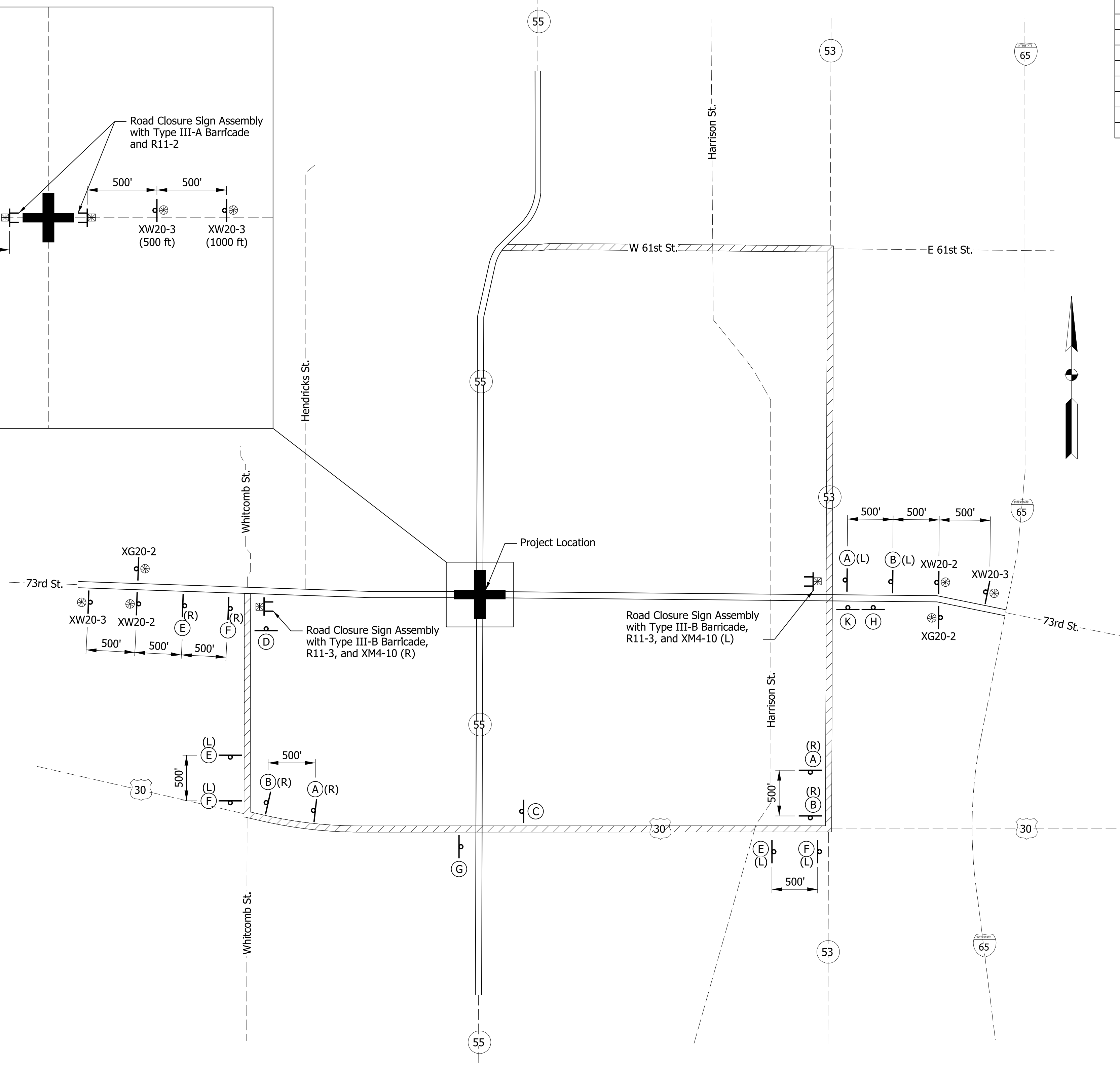
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Summary of Quantities - Des 1383615	
Construction Sign Type 'A'	20 EA
Road Closure Sign Assembly	8 EA
Barricade Type III-A	96 LFT
Barricade Type III-B	32 LFT
Detour Route Marker Assembly (A)	3 EA
Detour Route Marker Assembly (B)	3 EA
Detour Route Marker Assembly (C)	1 EA
Detour Route Marker Assembly (D)	1 EA
Detour Route Marker Assembly (E)	3 EA
Detour Route Marker Assembly (F)	3 EA
Detour Route Marker Assembly (G)	1 EA
Total Detour Route Marker Assembly	15 EA

LEGEND

- Construction Sign
- Barricade Type III-A or Barricade Type III-B
- Type 'A' Construction Warning Light
- Type 'B' Construction Warning Light
- Direction of Travel
- Official State Detour
- Route Effected by Detour
- Closed Section of Roadway
- ROAD CLOSED
- ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
- END CONSTRUCTION
- DETOUR
- DETOUR AHEAD
- ROAD CLOSED AHEAD



Detailed Detour Route Marker Assemblies

73RD ST. Westbound

- A Advanced Turn Detour Route Marker Assembly (L or R, R shown)
- B Directional Detour Route Marker Assembly (L or R, R shown)
- C Confirming Detour Route Marker Assembly
- D End Detour Route Marker Assembly (L, R, or T, T shown)

73RD ST. Eastbound

- E Advanced Turn Detour Route Marker Assembly (L or R, R shown)
- F Directional Detour Route Marker Assembly (L or R, R shown)
- G Confirming Detour Route Marker Assembly
- H End Detour Route Marker Assembly (L, R, or T, T shown)

10/17/2020 11:13:05 AM fiperez

troyer group
troyergroup.com | Together, We Will

PRELIMINARY
NOT FOR CONSTRUCTION
DATE: 10/17/2020

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JSC	DRAWN: REF	
CHECKED: LRD	CHECKED: CLW	

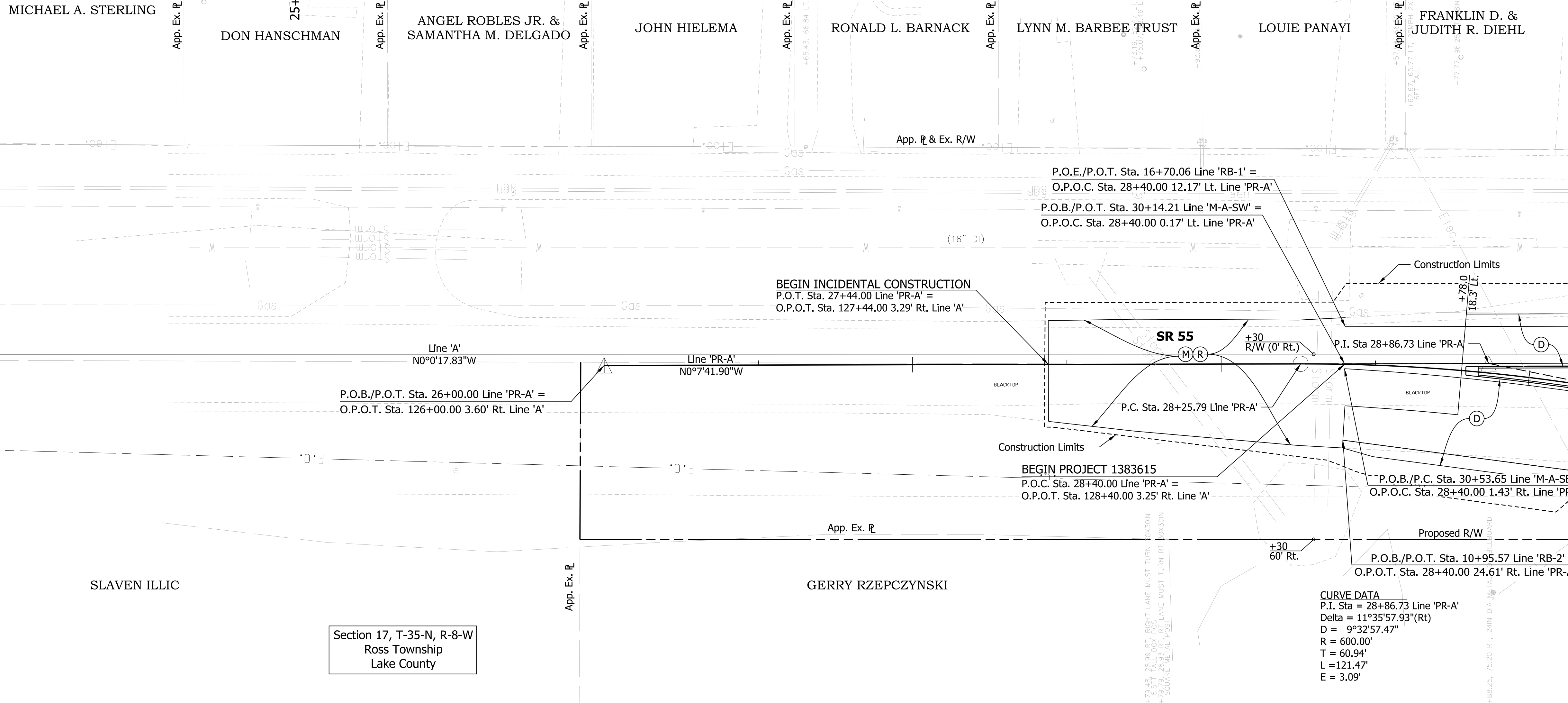
INDIANA DEPARTMENT OF TRANSPORTATION

SR 55 AT 73RD AVE. INTERSECTION IMPROVEMENT
OFFICIAL DETOUR ROUTE

HORIZONTAL SCALE	BRIDGE FILE
NTS	-
VERTICAL SCALE	DESIGNATION
N/A	1383615
SURVEY BOOK	SHEETS
ELECTRONIC	11 of 41
CONTRACT	PROJECT
R-41033	1383615

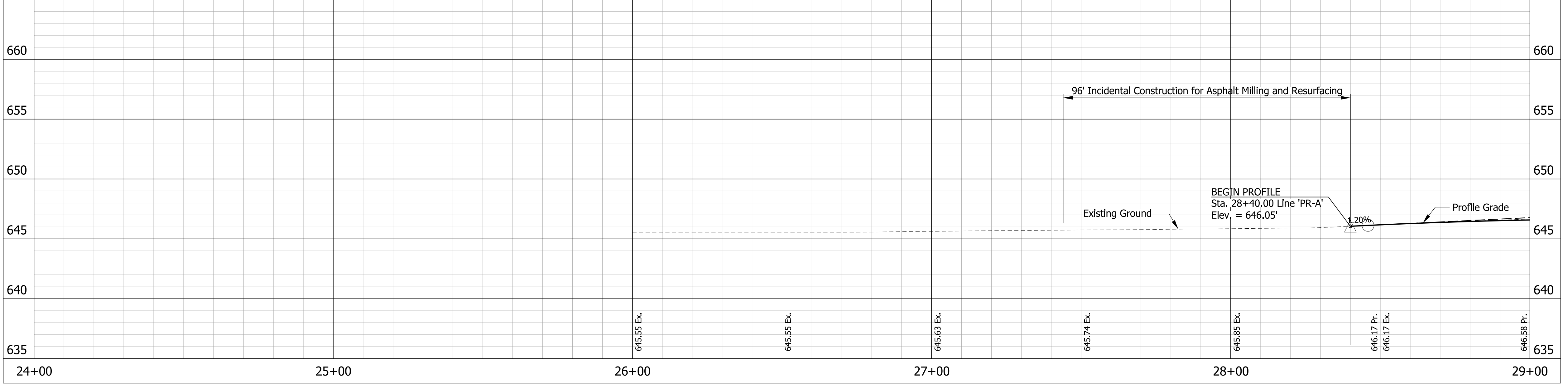
LEGEND

- (A) PCCP, 7 in., Jointed with D-1 Joints Spaced at 15 ft with 1 in. Diameter dowel bars Spaced at 12 in. on 17.5" Compacted Aggregate No. 53 on Subgrade Treatment, Type IVA (12 in. coarse aggregate with Geocell confining system)
- (A1) 6" in. PCCP, Colored & Stamped on Dense Graded Subbase
- (B) HMA For Approaches, Type B
- (C) PCCP For Approaches, 6" on Subgrade Treatment, Type II
- (D) 220 lb/syd QC/QA HMA, 3, 76, Surface, 12.5 mm, on 330 lb/syd QC/QA HMA, 3, 70, Intermediate, 19.0 mm, on 715 lb/syd QC/QA HMA, 3, 64, Base, 25.0 mm, on Drainage Layer Consisting of 300 lb/syd QC/QA HMA, 4, 76, Intermediate, OG 19.0 mm, on Separation Layer Consisting of 6 in. of Compacted Aggregate, No. 53 on Geotextile for Pavement, Type 1B on Subgrade Treatment, Type IVA (12 in. coarse aggregate with Geocell confining system)
- (E) PCCP for Approaches, 9" on Subgrade Treatment Type II
- (F) Sidewalk, Concrete
- (J) 165 lb/syd QC/QA HMA, 2, 70, Surface, 9.5 mm, on 275 lb/syd QC/QA HMA, 2, 70, Intermediate, 19.0 mm on 770 lb/syd QC/QA HMA, 2, 64, Base, 25.0 mm Subgrade Treatment, Type IB
- (M) 2" Asphalt Milling
- (M1) Milling, Approach
- (R) 220lb/syd QC/QA HMA, 3, 76, Surface 12.5 mm
- (12) Curb and Gutter, Combined, (Vertical)
- (13) Curb, Concrete
- (14) Curb, Concrete, B, Sloping
- (19) Center Curb
- (50) Curb Ramp Concrete
- (99) Remove



Section 17, T-35-N, R-8-W
Ross Township
Lake County

ALL TOPOGRAPHY ON THIS SHEET DESCRIBED FROM LINE 'A' UNLESS OTHERWISE NOTED. ALL R/W ON THIS SHEET DESCRIBED FROM LINE 'A' UNLESS OTHERWISE NOTED. LINE 'PR-A' TO BE CONSTRUCTED.



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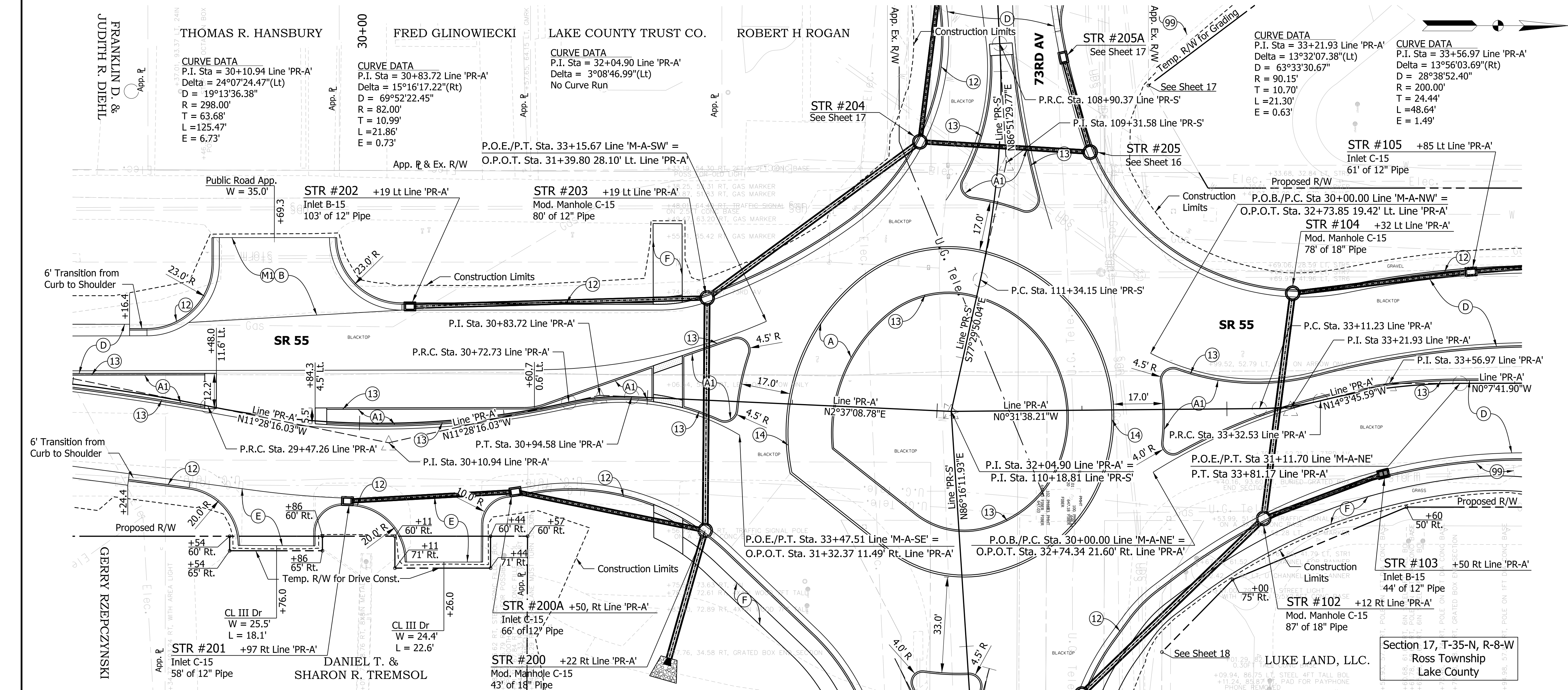
PRELIMINARY
NOT FOR CONSTRUCTION
DATE: 10/17/2020

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JSC	DRAWN: REF	
CHECKED: LRD	CHECKED: CLW	

INDIANA
DEPARTMENT OF TRANSPORTATION

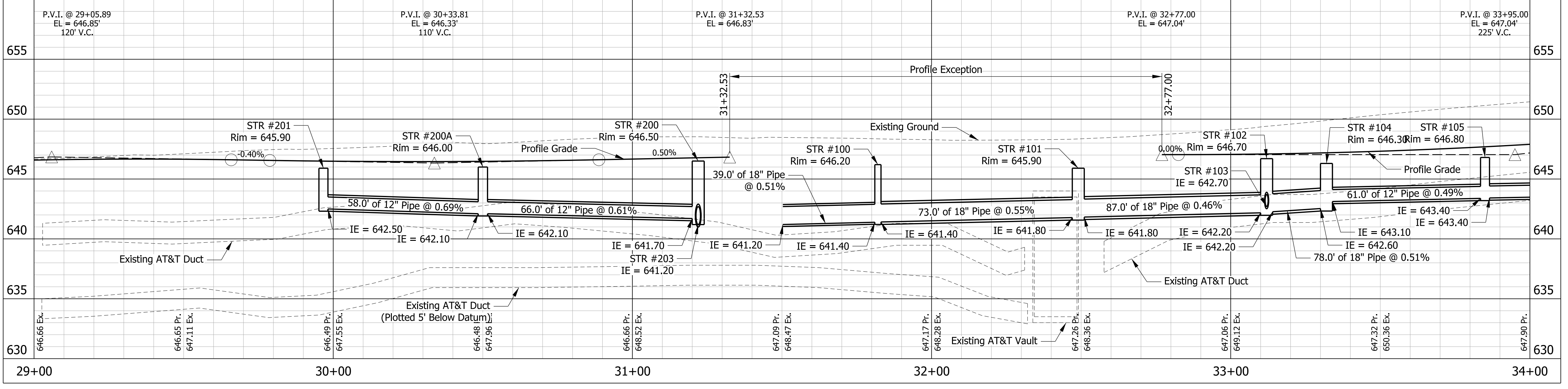
SR 55 AT 73RD AVE. INTERSECTION IMPROVEMENT
PLAN AND PROFILE LINE 'PR-A'

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	-
VERTICAL SCALE	DESIGNATION
1" = 5'	1383615
SURVEY BOOK	SHEETS
ELECTRONIC	12 of 41
CONTRACT	PROJECT
R-41033	1383615



- LEGEND**
- (A) PCCP, 7 in., Jointed with D-1 Joints Spaced at 15 ft with 1 in. Diameter dowel bars Spaced at 12 in. on 17.5" Compacted Aggregate No. 53 on Subgrade Treatment, Type IVA (12 in. coarse aggregate with Geocell confining system)
 - (A1) 6" in. PCCP, Colored & Stamped on Dense Graded Subbase
 - (B) HMA For Approaches , Type B
 - (C) PCCP For Approaches, 6" on Subgrade Treatment, Type II
 - (D) 220 lb/syd QC/QA HMA, 3, 76, Surface, 12.5 mm, on 330 lb/syd QC/QA HMA, 3, 70, Intermediate, 19.0 mm, on 715 lb/syd QC/QA HMA, 3, 64, Base, 25.0 mm, on Drainage Layer Consisting of 300 lb/syd QC/QA HMA, 4, 76, Intermediate, OG 19.0 mm, on Separation Layer Consisting of 6 in. of Compacted Aggregate, No. 53 on Geotextile for Pavement, Type 1B on Subgrade Treatment, Type IVA (12 in. coarse aggregate with Geocell confining system)
 - (E) PCCP for Approaches, 9" on Subgrade Treatment Type II
 - (F) Sidewalk, Concrete
 - (J) 165 lb/syd QC/QA HMA, 2, 70, Surface, 9.5 mm, on 275 lb/syd QC/QA HMA, 2, 70, Intermediate, 19.0 mm on 770 lb/syd QC/QA HMA, 2, 64, Base, 25.0 mm Subgrade Treatment, Type IB
 - (M) 2" Asphalt Milling
 - (M1) Milling, Approach
 - (R) 220lb/syd QC/QA HMA, 3, 76, Surface 12.5 mm
 - (12) Curb and Gutter, Combined, (Vertical)
 - (13) Curb, Concrete
 - (14) Curb, Concrete, B, Sloping
 - (19) Center Curb
 - (50) Curb Ramp Concrete
 - (99) Remove

ALL TOPOGRAPHY ON THIS SHEET DESCRIBED FROM LINE 'A' UNLESS OTHERWISE NOTED. ALL R/W ON THIS SHEET DESCRIBED FROM LINE 'A' UNLESS OTHERWISE NOTED. LINE 'PR-A' TO BE CONSTRUCTED.



10/17/2020 11:33:31 AM fbezcz



PRELIMINARY
NOT FOR CONSTRUCTION
DATE: 10/17/2020

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JSC	DRAWN: REF	
CHECKED: LRD	CHECKED: CLW	

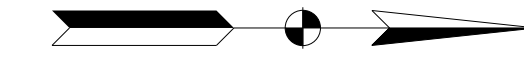
INDIANA
DEPARTMENT OF TRANSPORTATION

SR 55 AT 73RD AVE. INTERSECTION IMPROVEMENT
PLAN AND PROFILE LINE 'PR-A'

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	-
VERTICAL SCALE	DESIGNATION
1" = 5'	1383615
SURVEY BOOK	SHEETS
ELECTRONIC	13 of 41
CONTRACT	PROJECT
R-41033	1383615

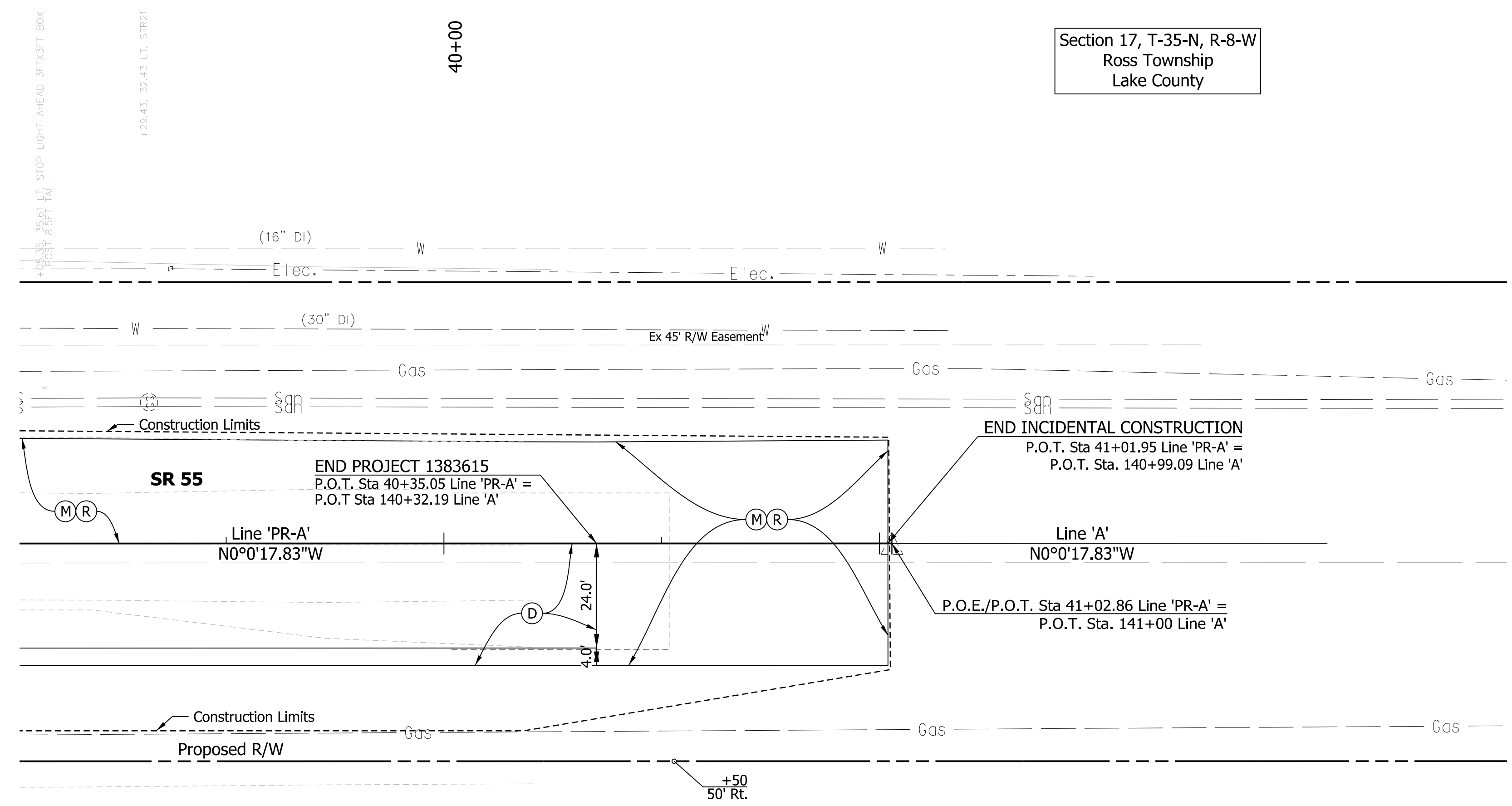
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Section 17, T-35-N, R-8-W
Ross Township
Lake County



LEGEND

- (A) PCCP, 7 in., Jointed with D-1 Joints Spaced at 15 ft with 1 in. Diameter dowel bars Spaced at 12 in. on 17.5" Compacted Aggregate No. 53 on Subgrade Treatment, Type IVA (12 in. coarse aggregate with Geocell confining system)
- (A1) 6" in. PCCP, Colored & Stamped on Dense Graded Subbase
- (B) HMA For Approaches, Type B
- (C) PCCP For Approaches, 6" on Subgrade Treatment, Type II
- (D) 220 lb/syd QC/QA HMA, 3, 76, Surface, 12.5 mm, on 330 lb/syd QC/QA HMA, 3, 70, Intermediate, 19.0 mm, on 715 lb/syd QC/QA HMA, 3, 64, Base, 25.0 mm, on Drainage Layer Consisting of 300 lb/syd QC/QA HMA, 4, 76, Intermediate, OG 19.0 mm, on Separation Layer Consisting of 6 in. of Compacted Aggregate, No. 53 on Geotextile for Pavement, Type 1B on Subgrade Treatment, Type IVA (12 in. coarse aggregate with Geocell confining system)
- (E) PCCP for Approaches, 9" on Subgrade Treatment Type II
- (F) Sidewalk, Concrete
- (J) 165 lb/syd QC/QA HMA, 2, 70, Surface, 9.5 mm, on 275 lb/syd QC/QA HMA, 2, 70, Intermediate, 19.0 mm on 770 lb/syd QC/QA HMA, 2, 64, Base, 25.0 mm Subgrade Treatment, Type IB
- (M) 2" Asphalt Milling
- (M1) Milling, Approach
- (R) 220lb/syd QC/QA HMA, 3, 76, Surface 12.5 mm
- (12) Curb and Gutter, Combined, (Vertical)
- (13) Curb, Concrete
- (14) Curb, Concrete, B, Sloping
- (19) Center Curb
- (50) Curb Ramp Concrete
- (99) Remove



VAN TILL'S SUPER MARKET

ALL TOPOGRAPHY ON THIS SHEET DESCRIBED FROM LINE 'A' UNLESS OTHERWISE NOTED. ALL R/W ON THIS SHEET DESCRIBED FROM LINE 'A' UNLESS OTHERWISE NOTED. LINE 'PR-A' TO BE CONSTRUCTED.



PRELIMINARY
NOT FOR CONSTRUCTION
DATE: 10/17/2020

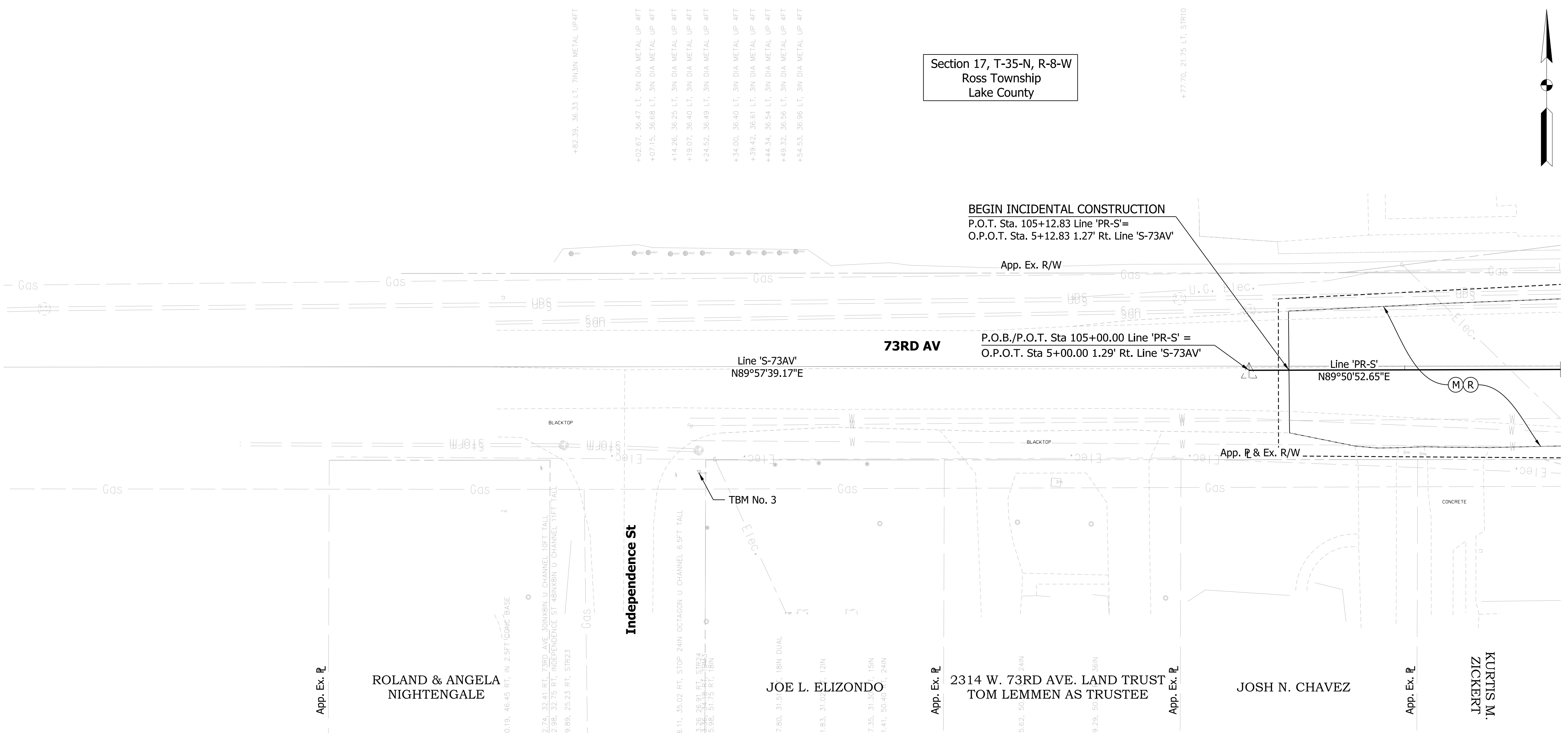
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DESIGNED: JSC	DRAWN: REF	
CHECKED: LRD	CHECKED: CLW	

INDIANA
DEPARTMENT OF TRANSPORTATION
SR 55 AT 73RD AVE. INTERSECTION IMPROVEMENT
PLAN AND PROFILE LINE 'PR-A'

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE -
VERTICAL SCALE 1" = 5'	DESIGNATION 1383615
SURVEY BOOK ELECTRONIC	SHEETS 15 of 41
CONTRACT R-41033	PROJECT 1383615

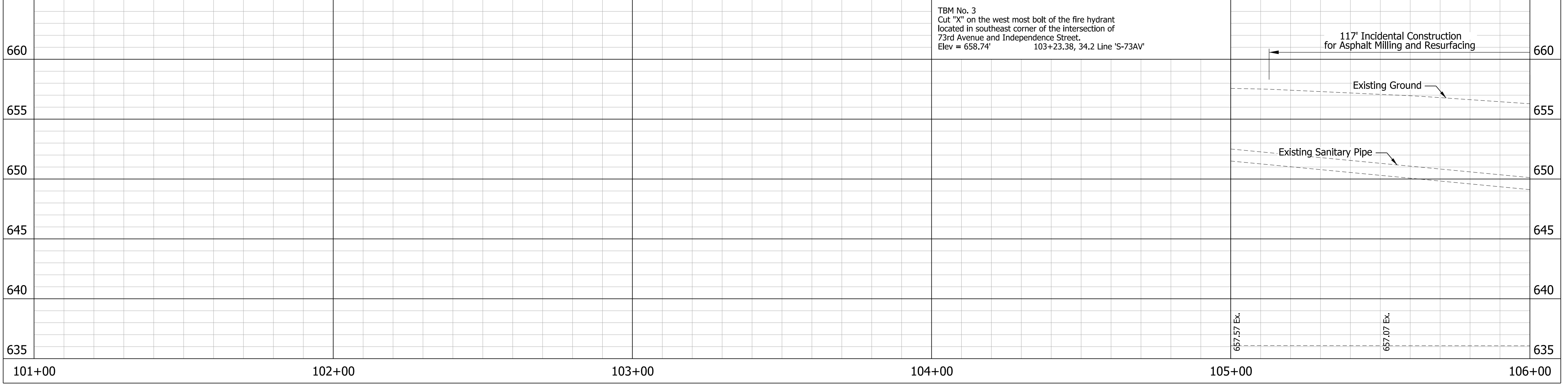
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Section 17, T-35-N, R-8-W
Ross Township
Lake County



- LEGEND**
- (A) PCCP, 7 in., Jointed with D-1 Joints Spaced at 15 ft with 1 in. Diameter dowel bars Spaced at 12 in. on 17.5" Compacted Aggregate No. 53 on Subgrade Treatment, Type IVA (12 in. coarse aggregate with Geocell confining system)
 - (A1) 6" in. PCCP, Colored & Stamped on Dense Graded Subbase
 - (B) HMA For Approaches, Type B
 - (C) PCCP For Approaches, 6" on Subgrade Treatment, Type II
 - (D) 220 lb/syd QC/QA HMA, 3, 76, Surface, 12.5 mm, on 330 lb/syd QC/QA HMA, 3, 70, Intermediate, 19.0 mm, on 715 lb/syd QC/QA HMA, 3, 64, Base, 25.0 mm, on Drainage Layer Consisting of 300 lb/syd QC/QA HMA, 4, 76, Intermediate, OG 19.0 mm, on Separation Layer Consisting of 6 in. of Compacted Aggregate, No. 53 on Geotextile for Pavement, Type 1B on Subgrade Treatment, Type IVA (12 in. coarse aggregate with Geocell confining system)
 - (E) PCCP for Approaches, 9" on Subgrade Treatment Type II
 - (F) Sidewalk, Concrete
 - (J) 165 lb/syd QC/QA HMA, 2, 70, Surface, 9.5 mm, on 275 lb/syd QC/QA HMA, 2, 70, Intermediate, 19.0 mm on 770 lb/syd QC/QA HMA, 2, 64, Base, 25.0 mm Subgrade Treatment, Type 1B
 - (M) 2" Asphalt Milling
 - (M1) Milling, Approach
 - (R) 220lb/syd QC/QA HMA, 3, 76, Surface 12.5 mm
 - (12) Curb and Gutter, Combined, (Vertical)
 - (13) Curb, Concrete
 - (14) Curb, Concrete, B, Sloping
 - (19) Center Curb
 - (50) Curb Ramp Concrete
 - (99) Remove

ALL TOPOGRAPHY ON THIS SHEET DESCRIBED FROM LINE 'S-73AV' UNLESS OTHERWISE NOTED. ALL R/W ON THIS SHEET DESCRIBED FROM LINE 'S-73AV' UNLESS OTHERWISE NOTED. LINE 'PR-S' TO BE CONSTRUCTED.



PRELIMINARY
NOT FOR CONSTRUCTION
DATE: 10/1/2020

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JSC	DRAWN: REF	
CHECKED: LRD	CHECKED: CLW	

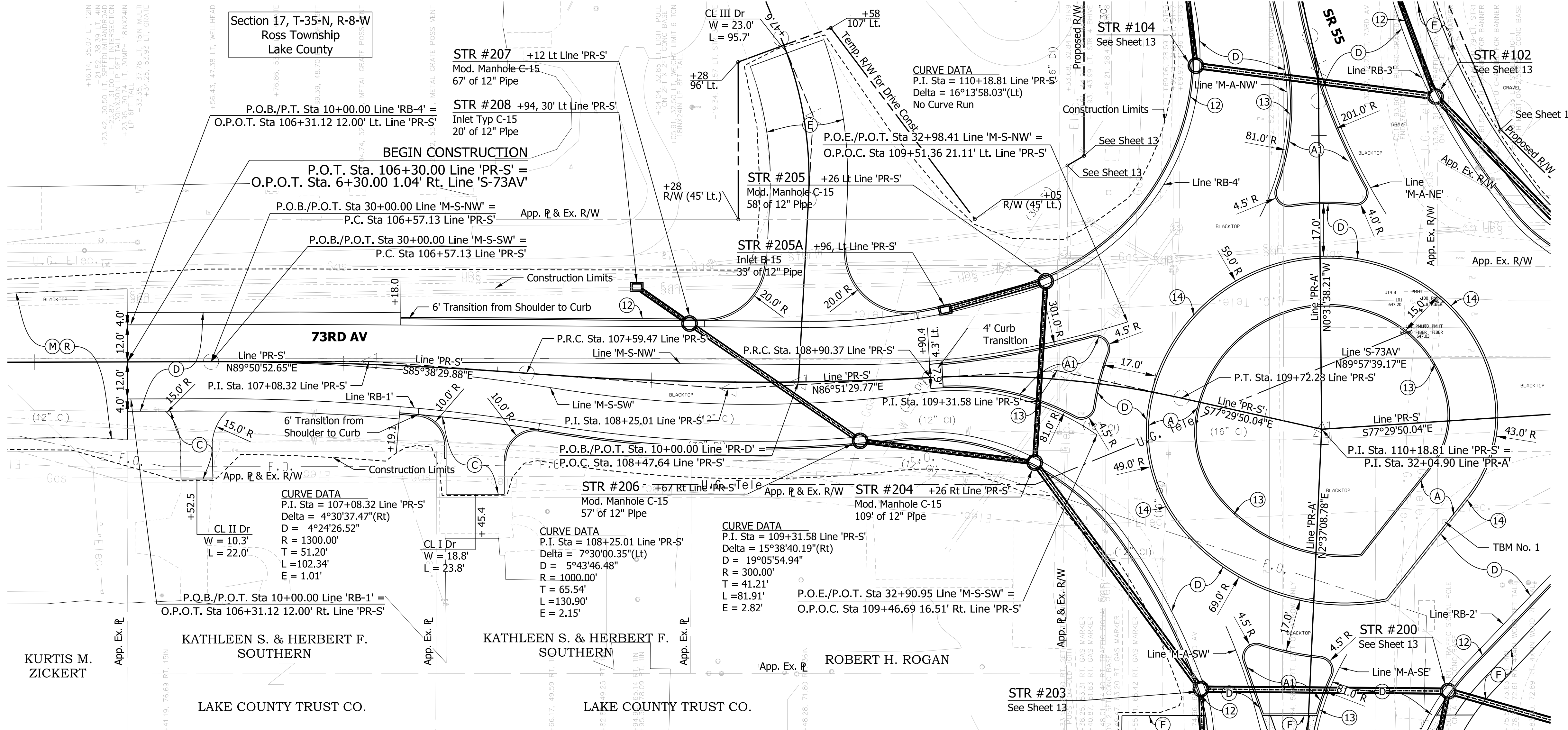
INDIANA
DEPARTMENT OF TRANSPORTATION

SR 55 AT 73RD AVE. INTERSECTION IMPROVEMENT
PLAN AND PROFILE LINE 'PR-S'

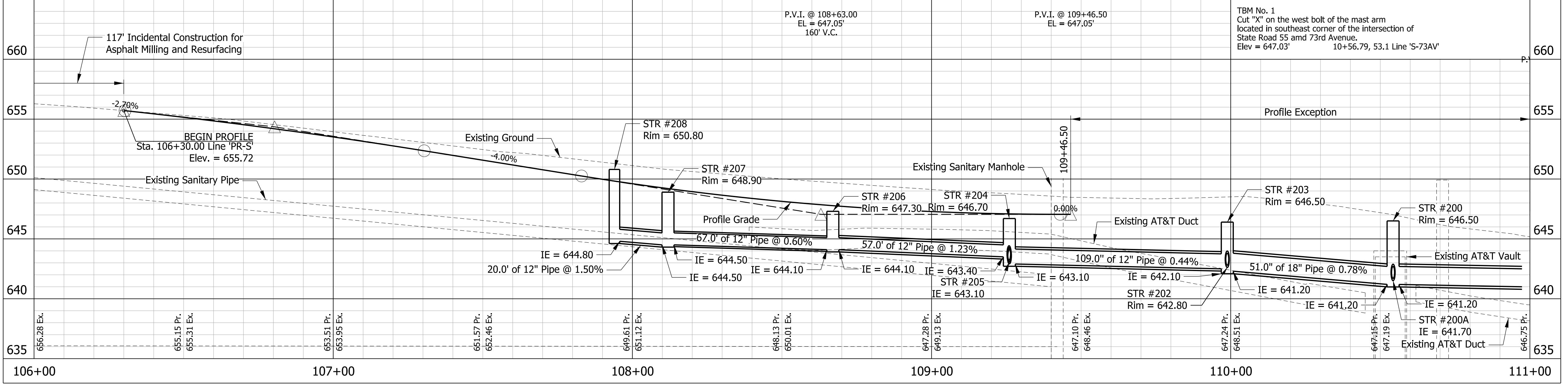
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	-
VERTICAL SCALE	DESIGNATION
1" = 5'	1383615
SURVEY BOOK	SHEETS
ELECTRONIC	16 of 41
CONTRACT	PROJECT
R-41033	1383615

- (A) PCCP, 7 in., Jointed with D-1 Joints Spaced at 15 ft with 1 in. Diameter dowel bars Spaced at 12 in. on 17.5" Compacted Aggregate No. 53 on Subgrade Treatment, Type IVA (12 in. coarse aggregate with Geocell confining system)
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- (E) PCCP for Approaches, 9" on Subgrade Treatment Type II
- (F) Sidewalk, Concrete
- (J) 165 lb/syd QC/QA HMA, 2, 70, Surface, 9.5 mm, on 275 lb/syd QC/QA HMA, 2, 70, Intermediate, 19.0 mm on 770 lb/syd QC/QA HMA, 2, 64, Base, 25.0 mm Subgrade Treatment, Type IB
- (M) 2" Asphalt Milling
- (M1) Milling, Approach
- (R) 220lb/syd QC/QA HMA, 3, 76, Surface 12.5 mm
- (12) Curb and Gutter, Combined, (Vertical)
- (13) Curb, Concrete
- (14) Curb, Concrete, B, Sloping
- (19) Center Curb
- (50) Curb Ramp Concrete
- (99) Remove

Section 17, T-35-N, R-8-W
Ross Township
Lake County



ALL TOPOGRAPHY ON THIS SHEET DESCRIBED FROM LINE 'S-73AV' UNLESS OTHERWISE NOTED. ALL R/W ON THIS SHEET DESCRIBED FROM LINE 'S-73AV' UNLESS OTHERWISE NOTED. LINE 'PR-S' TO BE CONSTRUCTED.



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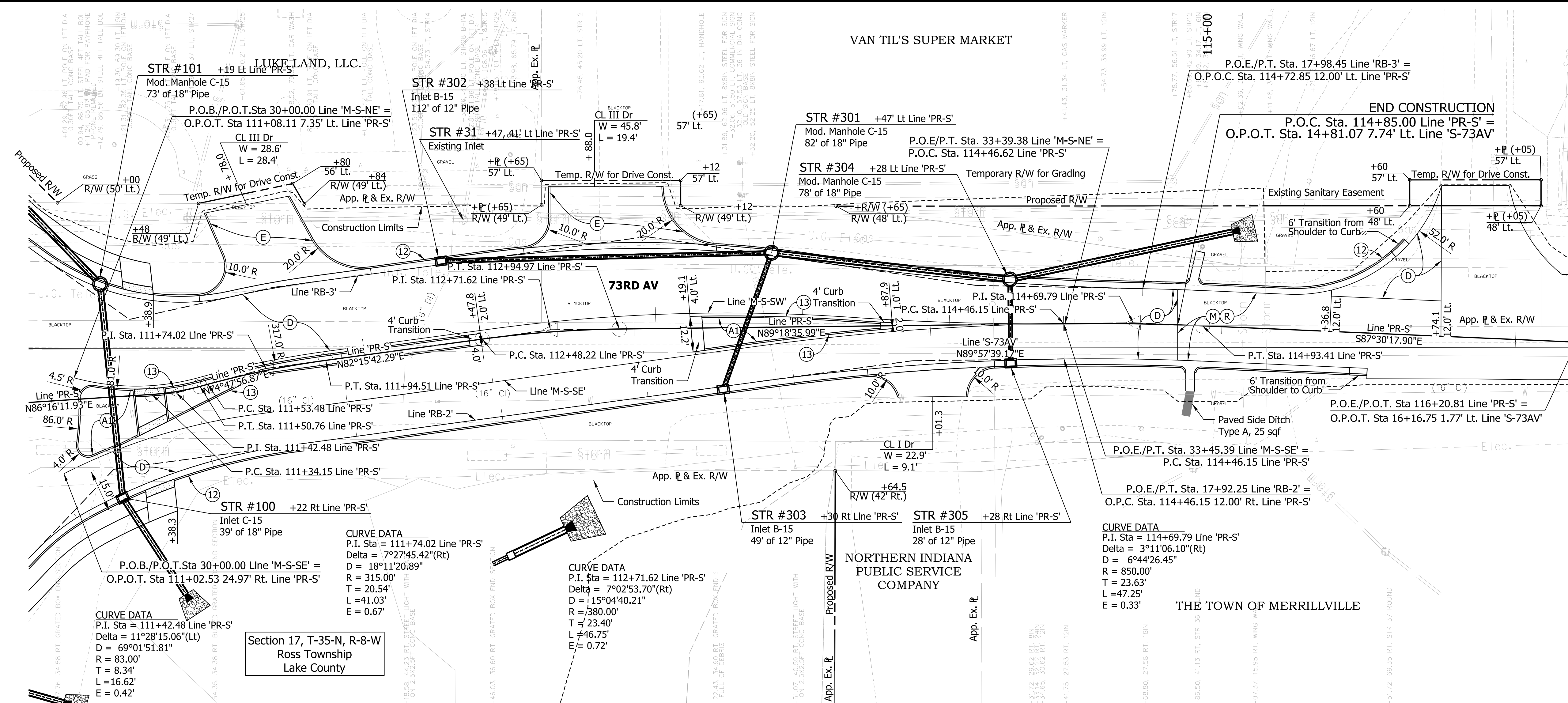
PRELIMINARY
NOT FOR CONSTRUCTION
DATE: 10/1/2020

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JSC	DRAWN: REF	
CHECKED: LRD	CHECKED: CLW	

INDIANA
DEPARTMENT OF TRANSPORTATION

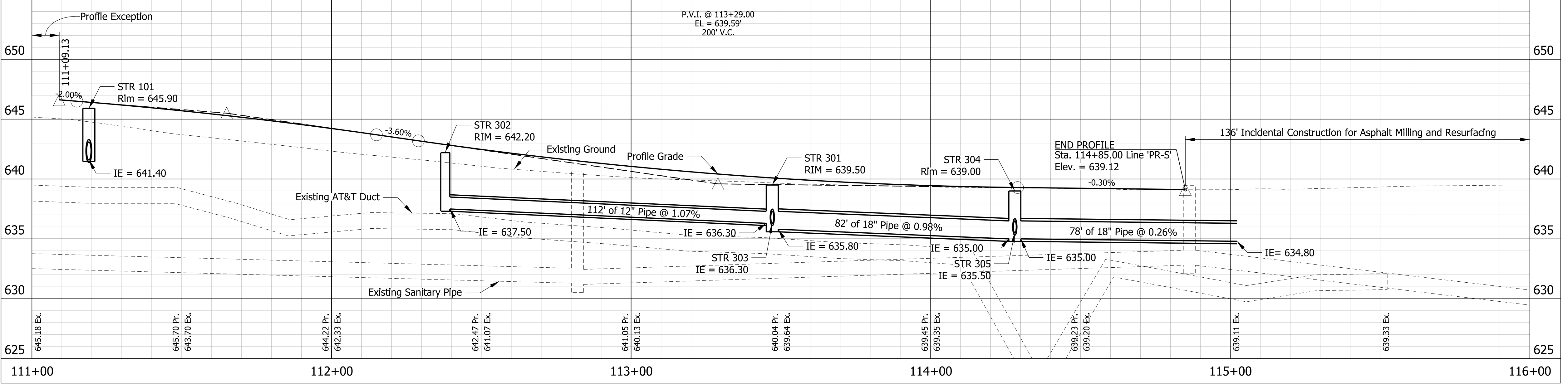
SR 55 AT 73RD AVE. INTERSECTION IMPROVEMENT
PLAN AND PROFILE LINE 'PR-S'

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE -
VERTICAL SCALE 1" = 5'	DESIGNATION 1383615
SURVEY BOOK ELECTRONIC	SHEETS 17 of 41
CONTRACT R-41033	PROJECT 1383615



- LEGEND**
- (A) PCCP, 7 in., Jointed with D-1 Joints Spaced at 15 ft with 1 in. Diameter dowel bars Spaced at 12 in. on 17.5" Compacted Aggregate No. 53 on Subgrade Treatment, Type IVA (12 in. coarse aggregate with Geocell confining system)
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 - (B) HMA For Approaches, Type B
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 - (E) PCCP For Approaches, 9" on Subgrade Treatment Type II
 - (F) Sidewalk, Concrete
 - (J) 165 lb/syd QC/QA HMA, 2, 70, Surface, 9.5 mm, on 275 lb/syd QC/QA HMA, 2, 70, Intermediate, 19.0 mm on 770 lb/syd QC/QA HMA, 2, 64, Base, 25.0 mm Subgrade Treatment, Type IB
 - (M) 2" Asphalt Milling
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 - (R) 220lb/syd QC/QA HMA, 3, 76, Surface 12.5 mm
 - (12) Curb and Gutter, Combined, (Vertical)
 - (13) Curb, Concrete
 - (14) Curb, Concrete, B, Sloping
 - (19) Center Curb
 - (50) Curb Ramp Concrete
 - (99) Remove

ALL TOPOGRAPHY ON THIS SHEET DESCRIBED FROM LINE 'S-73AV' UNLESS OTHERWISE NOTED. ALL R/W ON THIS SHEET DESCRIBED FROM LINE 'S-73AV' UNLESS OTHERWISE NOTED. LINE 'PR-S' TO BE CONSTRUCTED.



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PRELIMINARY
NOT FOR CONSTRUCTION
DATE: 10/1/2020

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JSC	DRAWN: REF	
CHECKED: LRD	CHECKED: CLW	

INDIANA DEPARTMENT OF TRANSPORTATION

SR 55 AT 73RD AVE. INTERSECTION IMPROVEMENT
PLAN AND PROFILE LINE 'PR-S'

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	-
VERTICAL SCALE	DESIGNATION
1" = 5'	1383615
SURVEY BOOK	SHEETS
ELECTRONIC	18 of 41
CONTRACT	PROJECT
R-41033	1383615

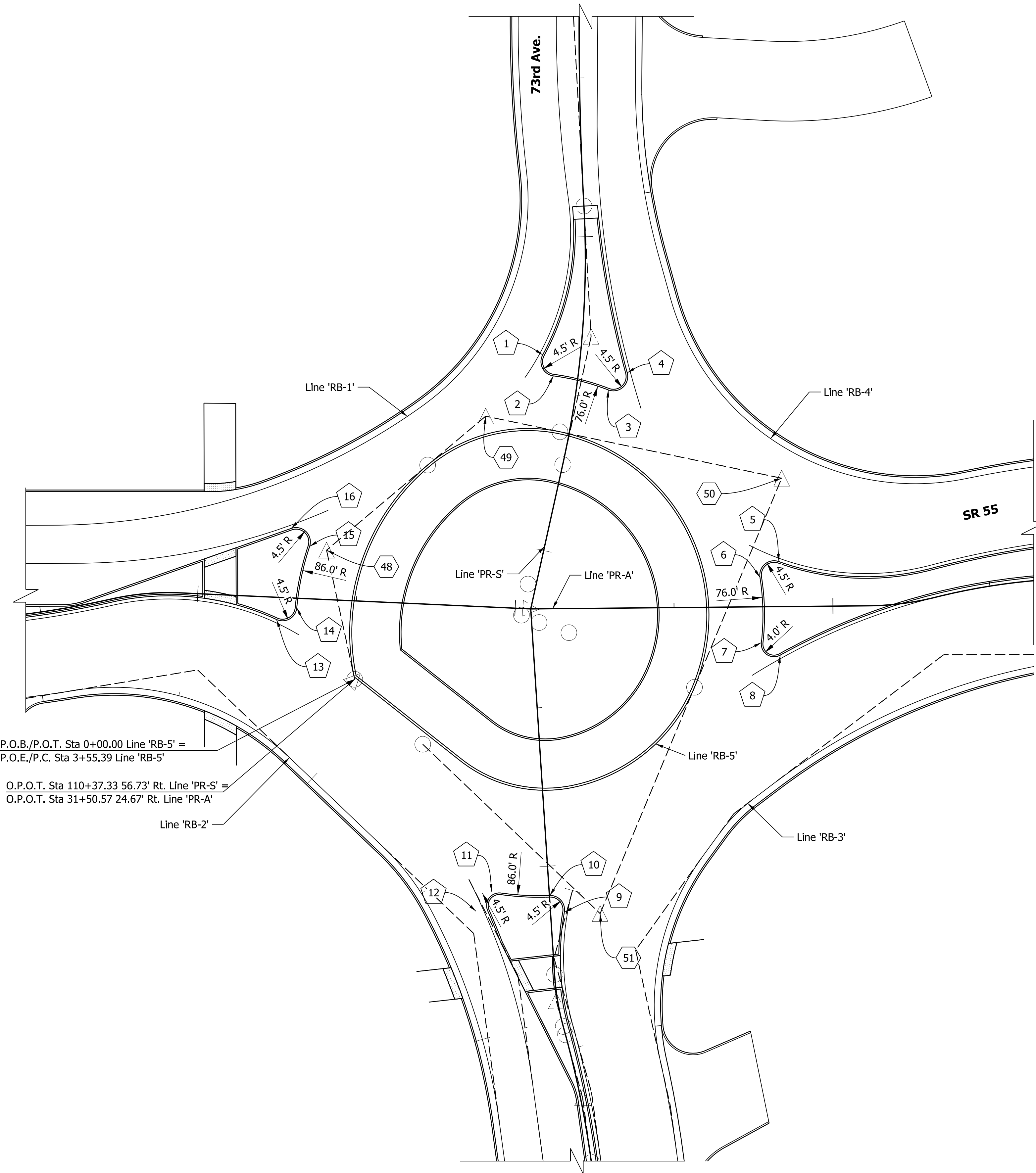
Point	Station	Offset (ft)
1	19+38.54	11.81
2	109+44.91	7.71
3	109+47.03	10.00
4	109+41.21	15.25
5	32+83.14	14.18
6	32+77.13	9.29
7	32+77.39	11.27
8	32+83.26	15.28
9	111+14.80	4.34
10	111+09.23	0.09
11	111+06.81	18.06
12	111+12.68	23.36
13	31+25.14	6.99
14	31+31.33	3.02
15	31+34.49	16.49
16	31+28.44	21.87

48 CURVE DATA
 P.I. Sta = 3+22.15 'RB-5'
 Delta = 62°10'22.29"(Lt)
 D = 83°02'14.50"
 R = 69.00'
 T = 41.60'
 L = 74.87'
 E = 11.57'

49 CURVE DATA
 P.I. Sta = 2+60.00 'RB-5'
 Delta = 51°57'00.49"(Lt)
 D = 116°55'48.58"
 R = 49.00'
 T = 23.87'
 L = 44.43'
 E = 5.51'

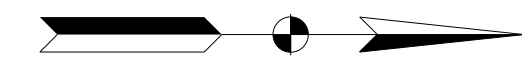
50 CURVE DATA
 P.I. Sta = 2+03.64 'RB-5'
 Delta = 100°47'20.18"(Lt)
 D = 97°06'41.37"
 R = 59.00'
 T = 71.30'
 L = 103.79'
 E = 33.55'

51 CURVE DATA
 P.I. Sta = 1+06.80 'RB-5'
 Delta = 111°02'49.73"(Lt)
 D = 108°06'18.88"
 R = 53.00'
 T = 77.18'
 L = 102.72'
 E = 40.63'



P.O.B./P.O.T. Sta 0+00.00 Line 'RB-5' =
 P.O.E./P.C. Sta 3+55.39 Line 'RB-5' =

O.P.O.T. Sta 110+37.33 56.73' Rt. Line 'PR-S' =
 O.P.O.T. Sta 31+50.57 24.67' Rt. Line 'PR-A' =

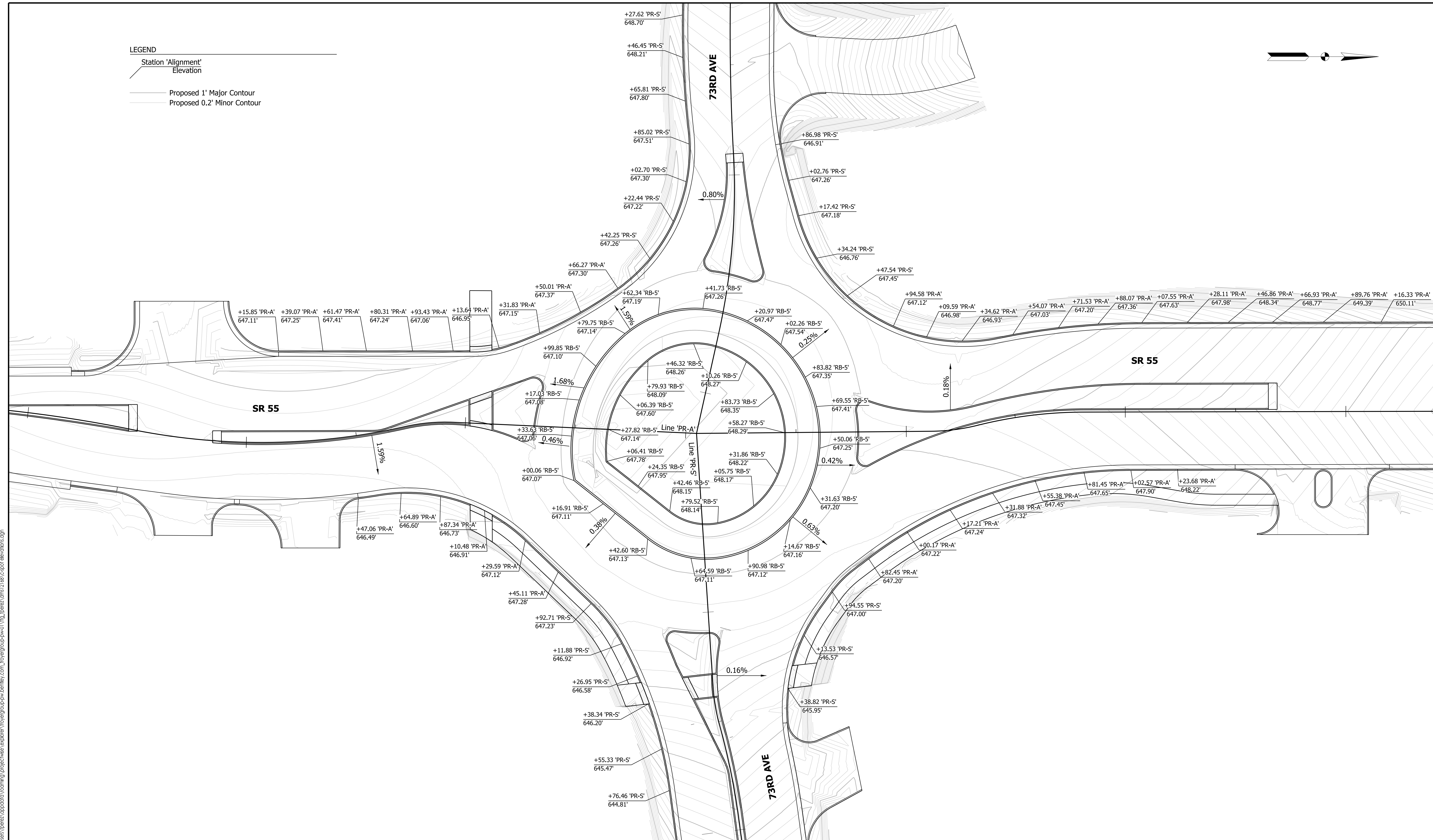
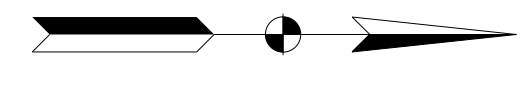


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 troyergroup.com Together, We Will	PRELIMINARY NOT FOR CONSTRUCTION DATE: 10/1/2020	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=20' VERTICAL SCALE N/A	BRIDGE FILE - DESIGNATION 1383615		
		DESIGNED: JSC DRAWN: REF	SR 55 AT 73RD AVE. INTERSECTION IMPROVEMENT GEOMETRIC LAYOUT			SURVEY BOOK ELECTRONIC	SHEETS 21 of 41
		CHECKED: LRD CHECKED: CLW				CONTRACT R-41033	PROJECT 1383615

LEGEND

- Station 'Alignment'
- Elevation
- Proposed 1' Major Contour
- Proposed 0.2' Minor Contour



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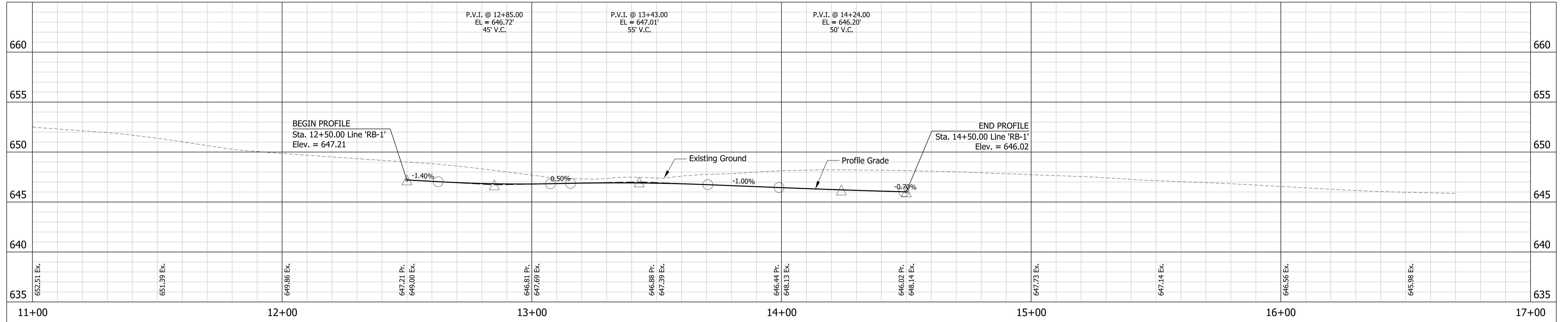
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 DATE: 10/1/2020

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DESIGNED: JSC	DRAWN: REF	
CHECKED: LRD	CHECKED: CLW	

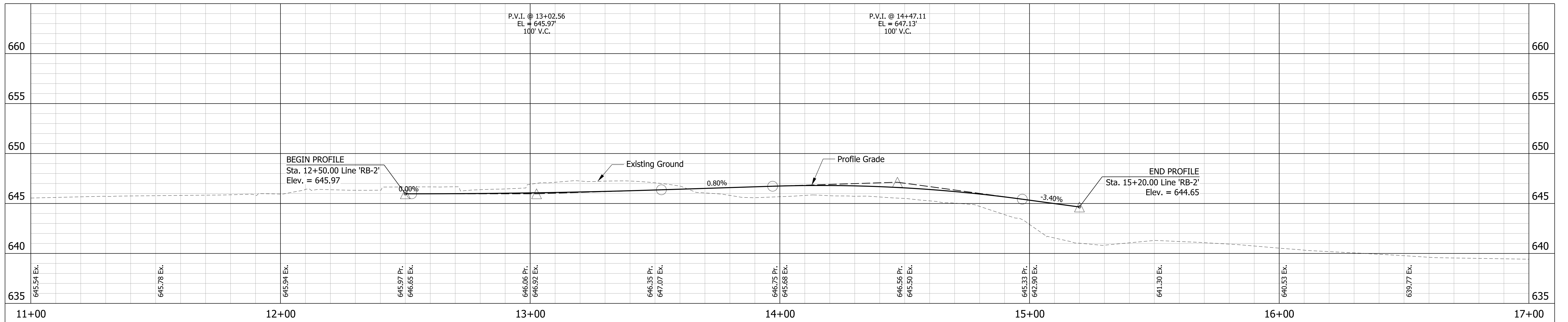
INDIANA
DEPARTMENT OF TRANSPORTATION
 SR 55 AT 73RD AVE. INTERSECTION IMPROVEMENT
 Spot Elevations

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	-
VERTICAL SCALE	DESIGNATION
N/A	1383615
SURVEY BOOK	SHEETS
ELECTRONIC	22 of 41
CONTRACT	PROJECT
R-41033	1383615

RB-1 Profile



RB-2 Profile



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PRELIMINARY
NOT FOR CONSTRUCTION
DATE: 10/17/2020

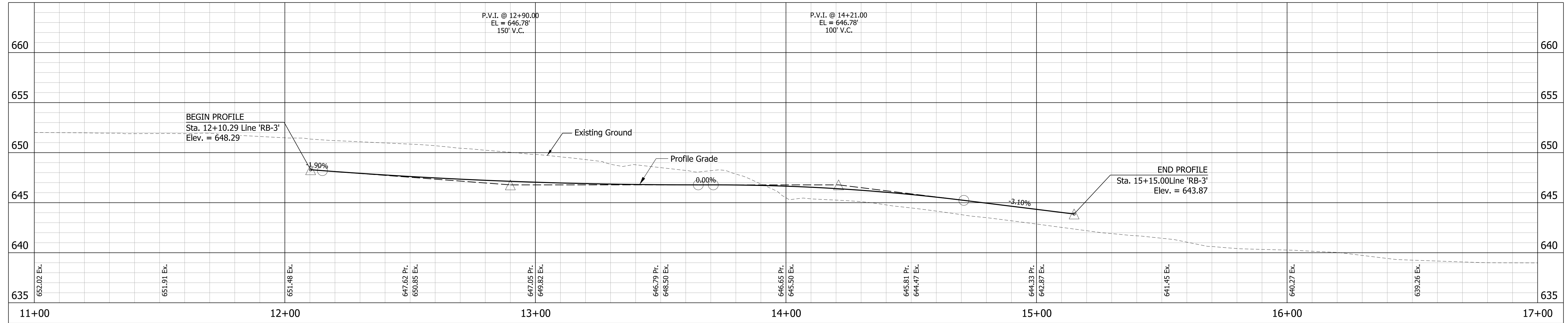
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JSC	DRAWN: REF	
CHECKED: LRD	CHECKED: CLW	

INDIANA
DEPARTMENT OF TRANSPORTATION

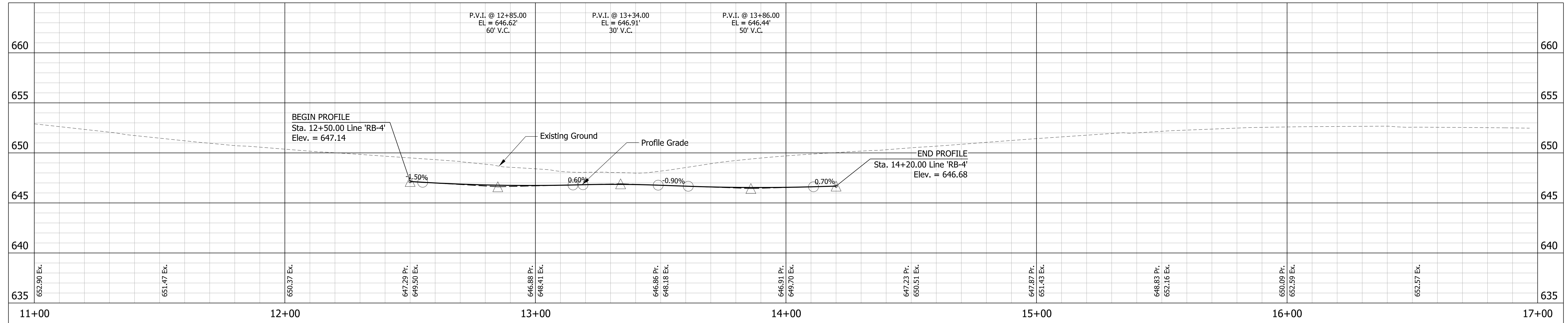
SR 55 AT 73RD AVE. INTERSECTION IMPROVEMENT
ROUNDBOUT PROFILES

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE -
VERTICAL SCALE 1" = 5'	DESIGNATION 1383615
SURVEY BOOK ELECTRONIC	SHEETS 23 of 41
CONTRACT R-41033	PROJECT 1383615

RB-3 Profile



RB-4 Profile



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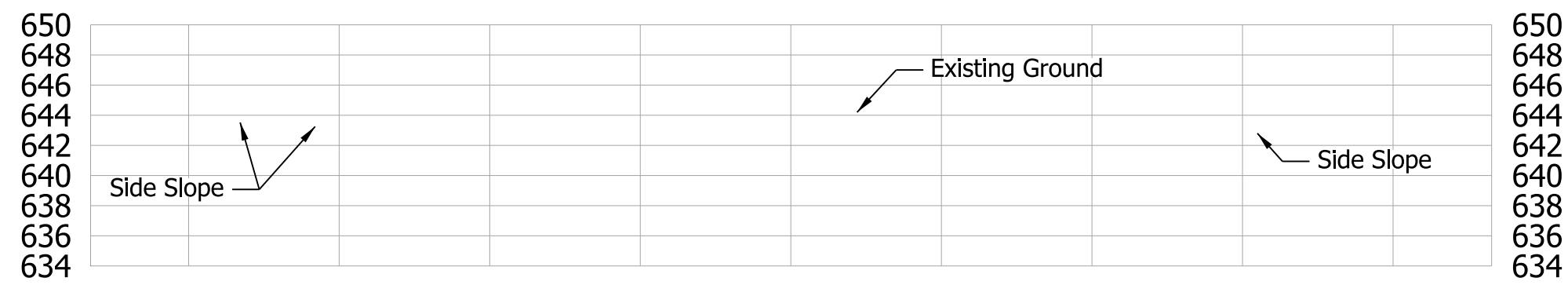
PRELIMINARY
NOT FOR CONSTRUCTION
DATE: 10/17/2020

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JSC	DRAWN: REF	
CHECKED: LRD	CHECKED: CLW	

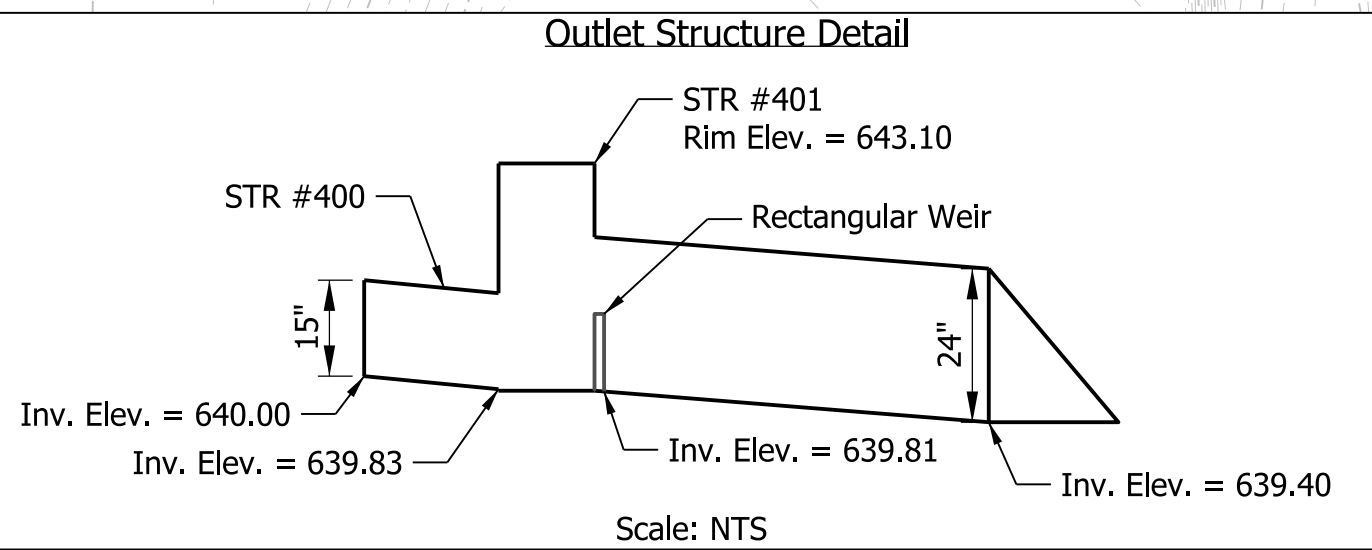
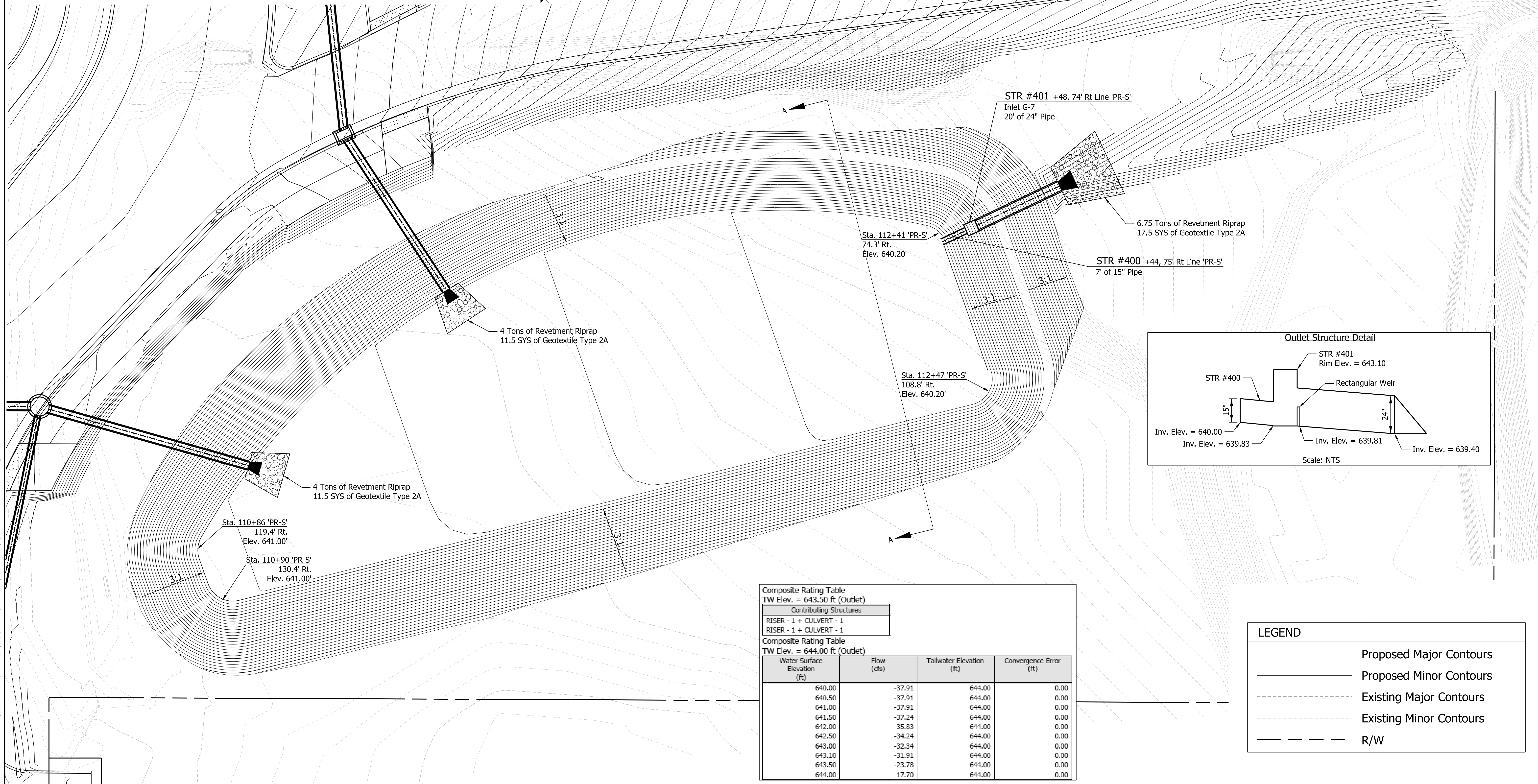
INDIANA
DEPARTMENT OF TRANSPORTATION

SR 55 AT 73RD AVE. INTERSECTION IMPROVEMENT
ROUNDAABOUT PROFILES

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE -
VERTICAL SCALE 1" = 5'	DESIGNATION 1383615
SURVEY BOOK ELECTRONIC	SHEETS 24 of 41
CONTRACT R-41033	PROJECT 1383615



Cross Section A-A



Composite Rating Table
 TW Elev. = 643.50 ft (Outlet)

Water Surface Elevation (ft)	Flow (cfs)	Tailwater Elevation (ft)	Convergence Error (ft)
640.00	-37.91	644.00	0.00
640.50	-37.91	644.00	0.00
641.00	-37.91	644.00	0.00
641.50	-37.24	644.00	0.00
642.00	-35.83	644.00	0.00
642.50	-34.24	644.00	0.00
643.00	-32.34	644.00	0.00
643.10	-31.91	644.00	0.00
643.50	-23.78	644.00	0.00
644.00	17.70	644.00	0.00

Composite Rating Table
 TW Elev. = 644.00 ft (Outlet)

Water Surface Elevation (ft)	Flow (cfs)	Tailwater Elevation (ft)	Convergence Error (ft)
640.00	-37.91	644.00	0.00
640.50	-37.91	644.00	0.00
641.00	-37.91	644.00	0.00
641.50	-37.24	644.00	0.00
642.00	-35.83	644.00	0.00
642.50	-34.24	644.00	0.00
643.00	-32.34	644.00	0.00
643.10	-31.91	644.00	0.00
643.50	-23.78	644.00	0.00
644.00	17.70	644.00	0.00

LEGEND

- Proposed Major Contours
- Proposed Minor Contours
- Existing Major Contours
- Existing Minor Contours
- R/W

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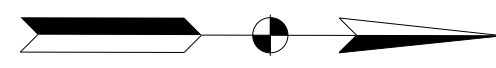
PRELIMINARY
 NOT FOR CONSTRUCTION
 DATE: 10/17/2020

RECOMMENDED FOR APPROVAL

DESIGNED ^{EH}	JSC	DRAWN: AH	REF
CHECKED ^{SEN}	LRD	CHECKED ^{SEN}	CLW

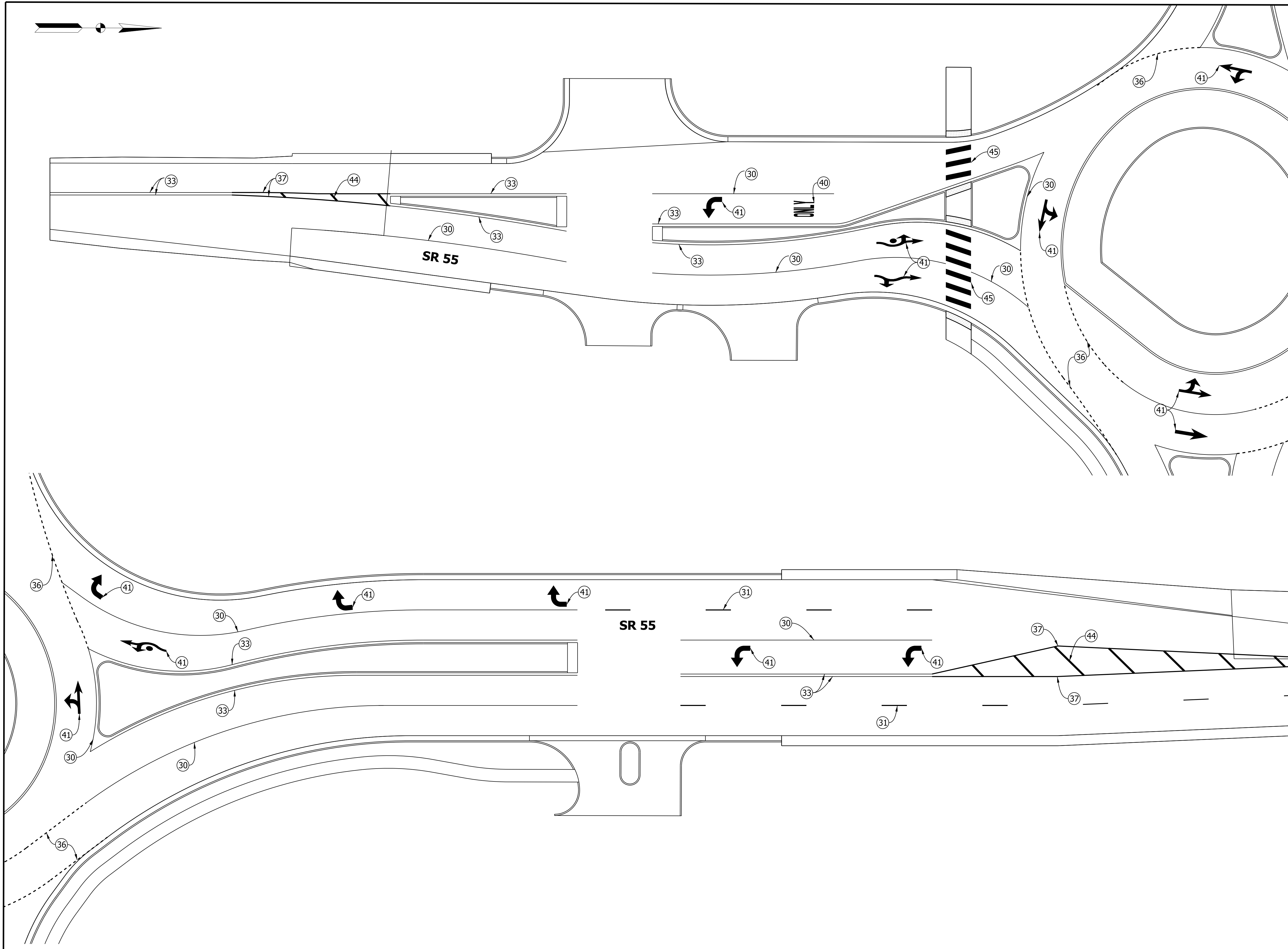
INDIANA
 DEPARTMENT OF TRANSPORTATION
 SR 55 AT 73RD AVE. INTERSECTION IMPROVEMENT
 Detention Basin Detail

HORIZONTAL SCALE 1" = 10'	BRIDGE FILE -
VERTICAL SCALE N/A	DESIGNATION 1383615
SURVEY BOOK ELECTRONIC	SHEETS 25 of 41
CONTRACT R-41033	PROJECT 1383615

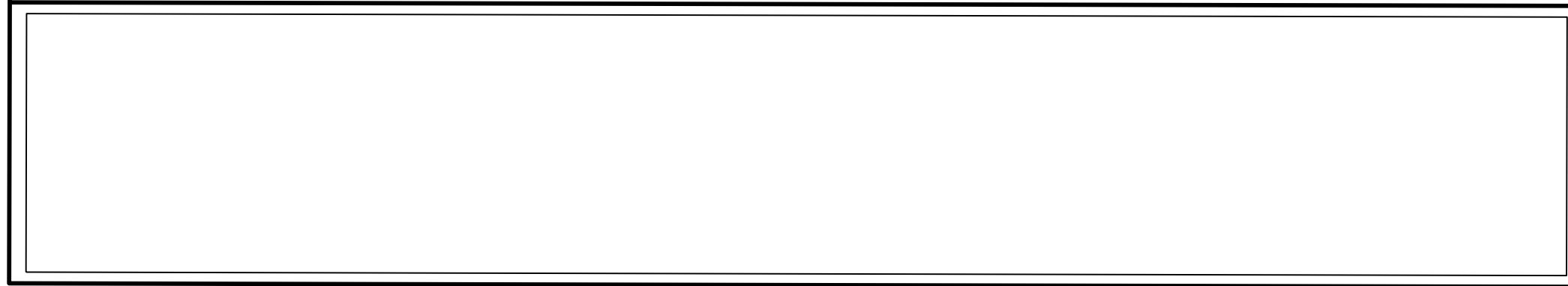


Marking Key Notes

- ③① Line, Multi-Component, Solid, White, 4 in.
- ③② Line, Multi-Component, Broken, White, 4 in.
- ③③ Line, Multi-Component, Solid, Yellow, 4 in.
- ③④ Line, Multi-Component, Solid, White, 8 in.
- ③⑤ Line, Multi-Component, Dotted, White, 8 in.
- ③⑥ Line, Multi-Component, Solid, Yellow, 8 in.
- ④① Pavement Message Marking, Multi-Component, Only
- ④② Transverse Marking, Solid, White, Multi-Component, Lane Indication Arrow
- ④③ Transverse Marking, Multi-Component, Crosshatch Line White, 12 in.
- ④④ Transverse Marking, Multi-Component, Crosshatch Line, Yellow, 12 in.
- ④⑤ Transverse Marking, Multi-Component, Crosswalk Line, White, 12 in.
- ⑨⑨ Remove



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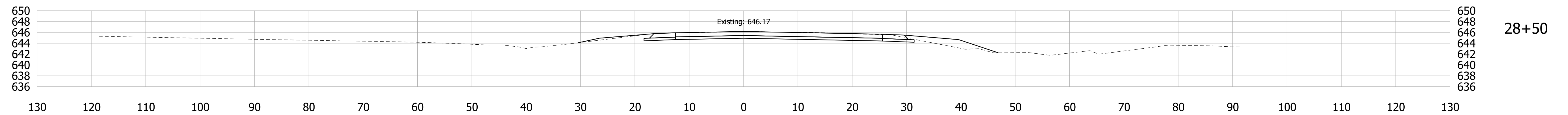
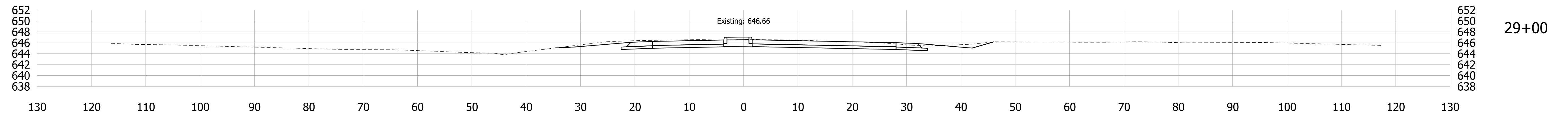
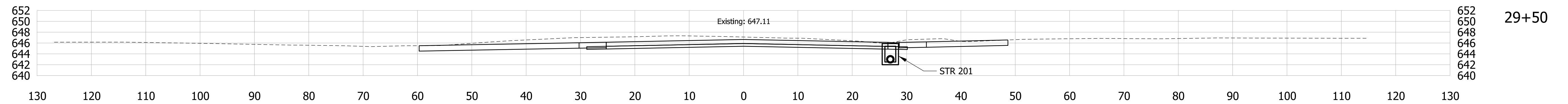
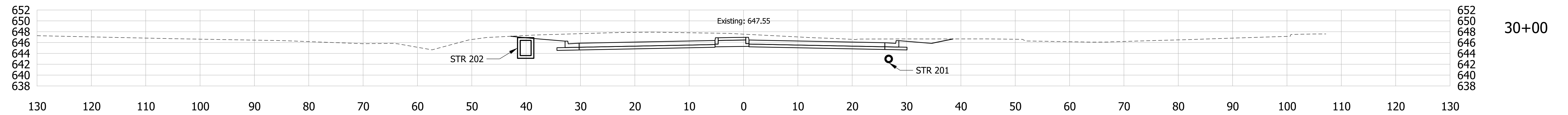
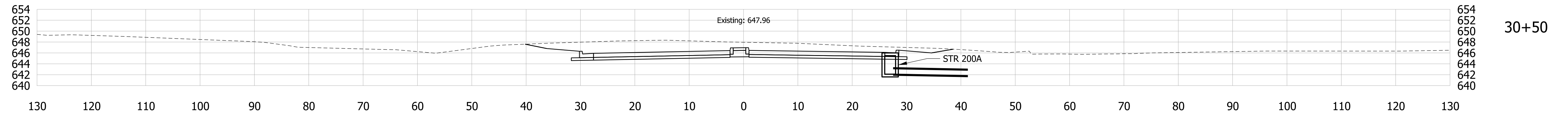
PRELIMINARY
NOT FOR CONSTRUCTION
DATE: 10/1/2020

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: JSC	DRAWN: REF		
CHECKED: LRD	CHECKED: CLW		

INDIANA
DEPARTMENT OF TRANSPORTATION

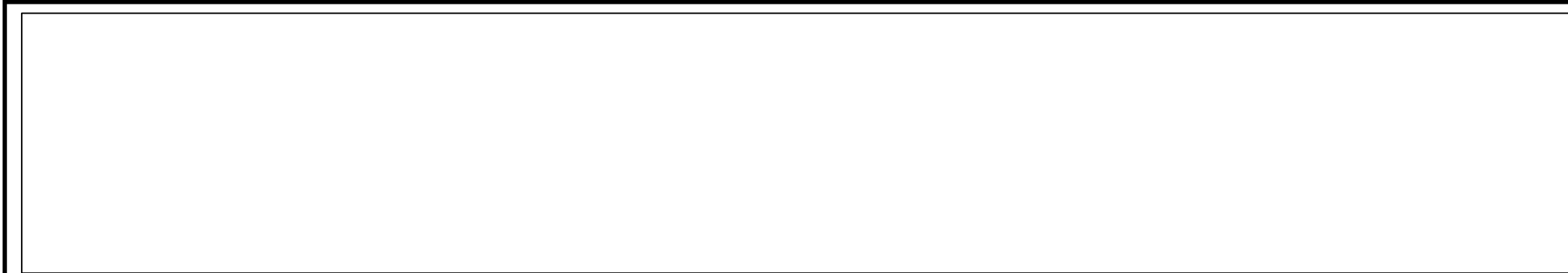
SR 55 AT 73RD AVE. INTERSECTION IMPROVEMENT
PAVEMENT MARKING AND SIGNAGE

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	-
VERTICAL SCALE	DESIGNATION
N/A	1383615
SURVEY BOOK	SHEETS
ELECTRONIC	29 of 41
CONTRACT	PROJECT
R-41033	1383615



Begin Project Sta. 28+50.00 Line 'PR-A'

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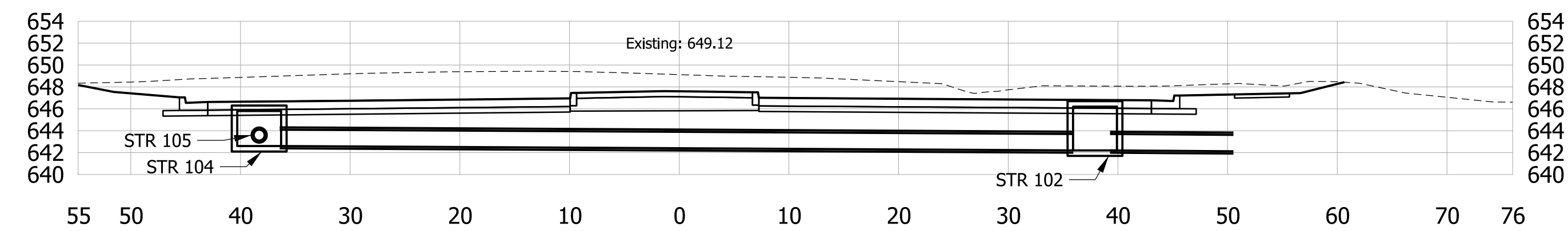
PRELIMINARY
NOT FOR CONSTRUCTION
DATE: 10/17/2020

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____	
DESIGNED: JSC	DRAWN: REF		
CHECKED: LRD	CHECKED: CLW		

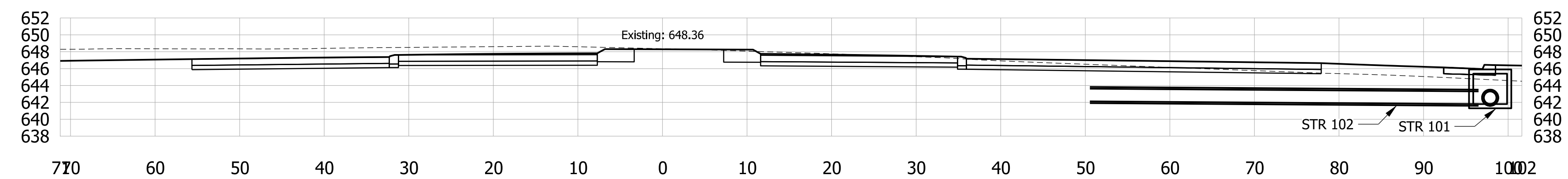
INDIANA
DEPARTMENT OF TRANSPORTATION

SR 55 AT 73RD AVE. INTERSECTION IMPROVEMENT
Cross Sections 28+50 to 30+50 Line 'PR-A'

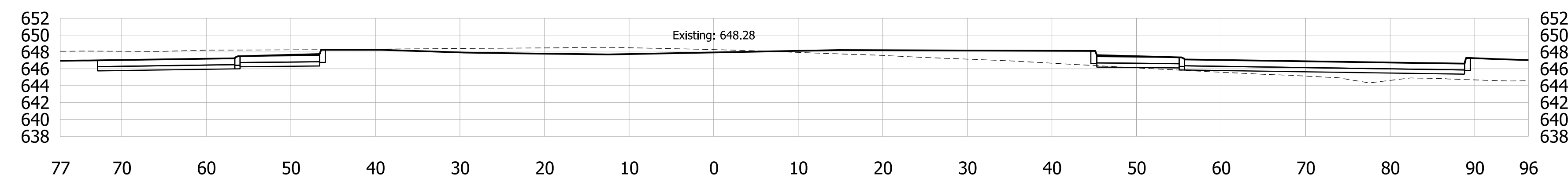
HORIZONTAL SCALE 1" = 10'	BRIDGE FILE -
VERTICAL SCALE 1" = 10'	DESIGNATION 1383615
SURVEY BOOK ELECTRONIC	SHEETS 33 of 41
CONTRACT R-41033	PROJECT 1383615



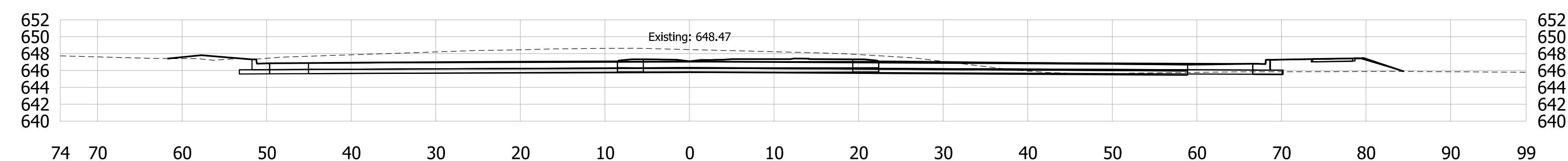
33+00



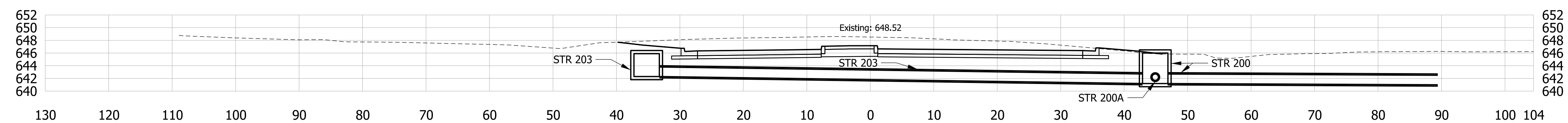
32+50



32+00



31+50



31+00

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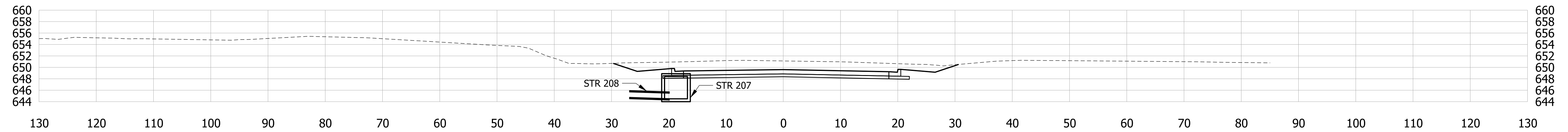


PRELIMINARY
NOT FOR CONSTRUCTION
DATE: 10/1/2020

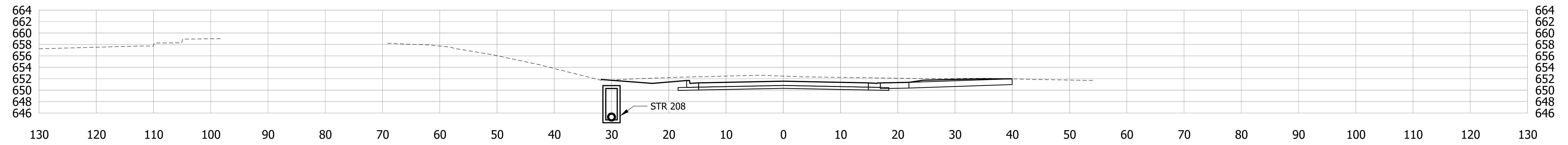
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DESIGN ENGINEER _____
DESIGNED: JSC DRAWN: REF
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INDIANA
DEPARTMENT OF TRANSPORTATION
SR 55 AT 73RD AVE. INTERSECTION IMPROVEMENT
Cross Sections 31+00 to 33+00 Line 'PR-A'

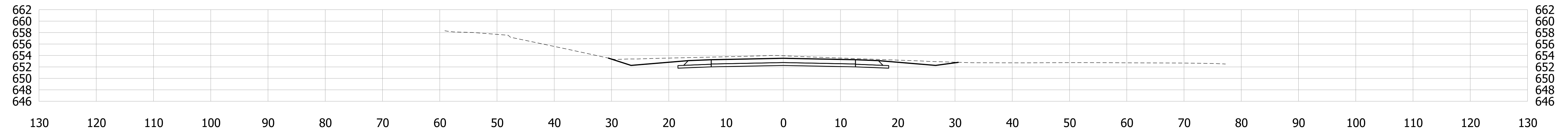
HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	-
VERTICAL SCALE	DESIGNATION
1" = 10'	1383615
SURVEY BOOK	SHEETS
ELECTRONIC	34 of 41
CONTRACT	PROJECT
R-41033	1383615



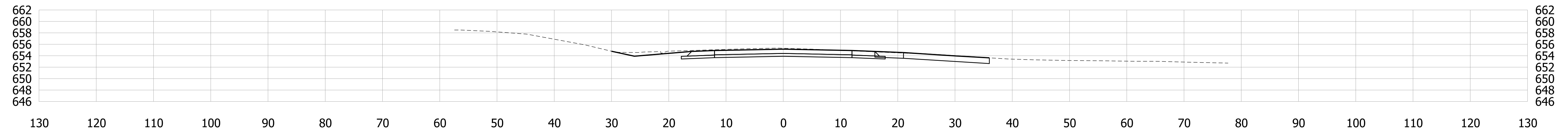
108+00



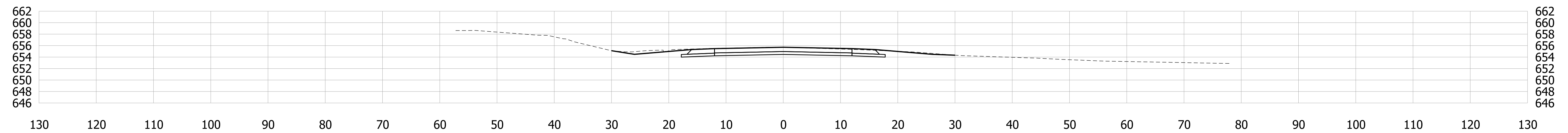
107+50



107+00



106+50



106+30

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DATE: 10/17/2020

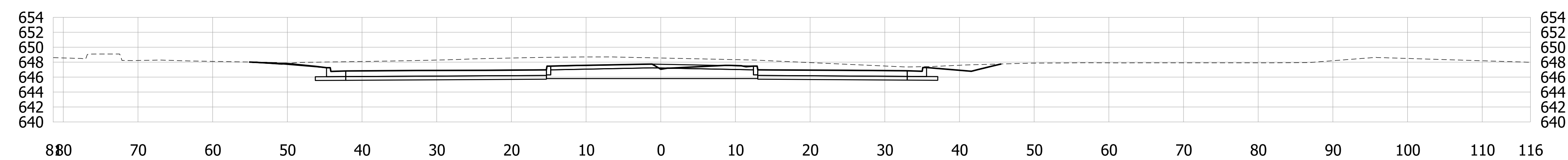
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JSC	DRAWN: REF	
CHECKED: LRD	CHECKED: CLW	

INDIANA
DEPARTMENT OF TRANSPORTATION

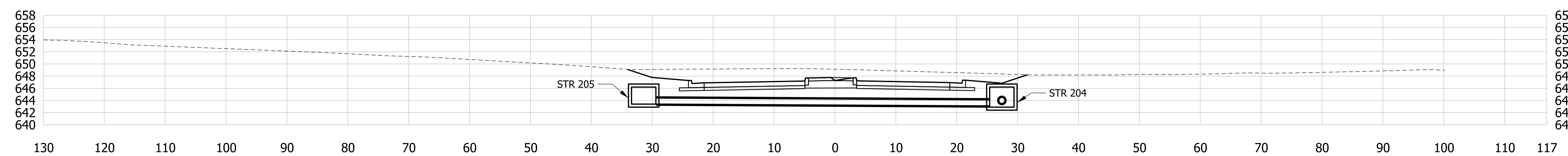
SR 55 AT 73RD AVE. INTERSECTION IMPROVEMENT
Cross Sections 106+30 to 108+00 Line 'PR-S'

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	-
VERTICAL SCALE	DESIGNATION
1" = 10'	1383615
SURVEY BOOK	SHEETS
ELECTRONIC	38 of 41
CONTRACT	PROJECT
R-41033	1383615

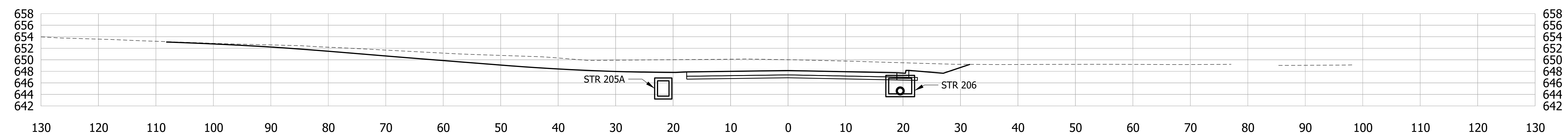
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109+41



109+00



108+50

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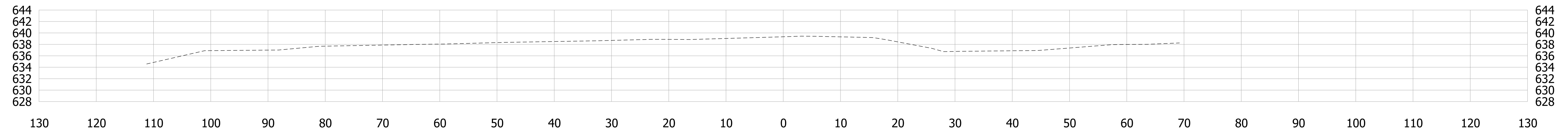
PRELIMINARY
NOT FOR CONSTRUCTION
DATE: 10/17/2020

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JSC	DRAWN: REF	
CHECKED: LRD	CHECKED: CLW	

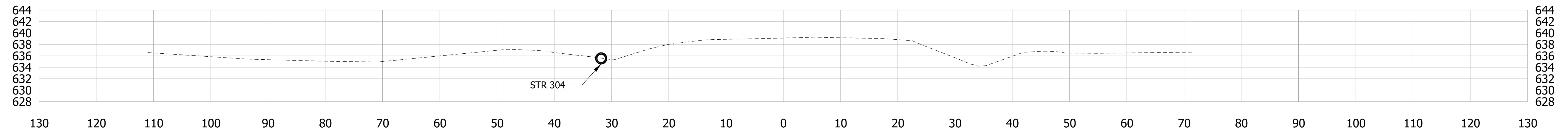
INDIANA
DEPARTMENT OF TRANSPORTATION

SR 55 AT 73RD AVE. INTERSECTION IMPROVEMENT
Cross Sections 108+50 to 109+41 Line 'PR-S'

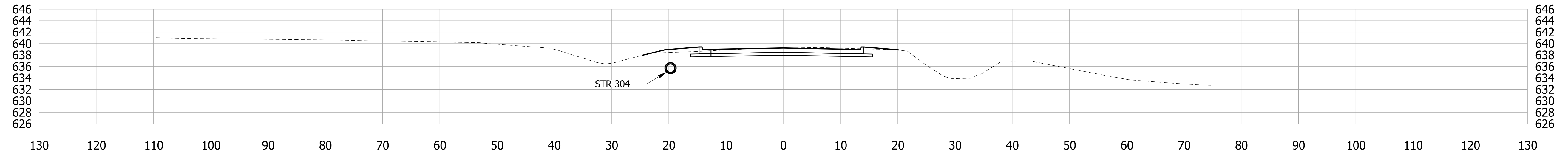
HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	-
VERTICAL SCALE	DESIGNATION
1" = 10'	1383615
SURVEY BOOK	SHEETS
ELECTRONIC	39 of 41
CONTRACT	PROJECT
R-41033	1383615



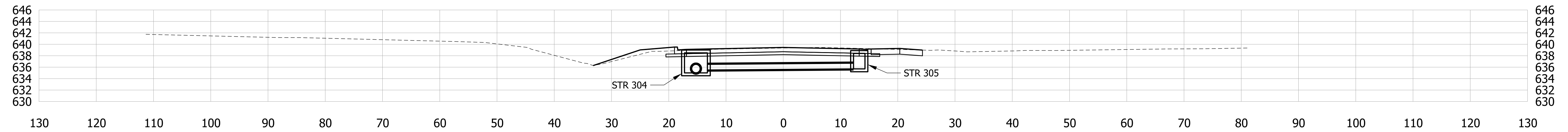
115+50



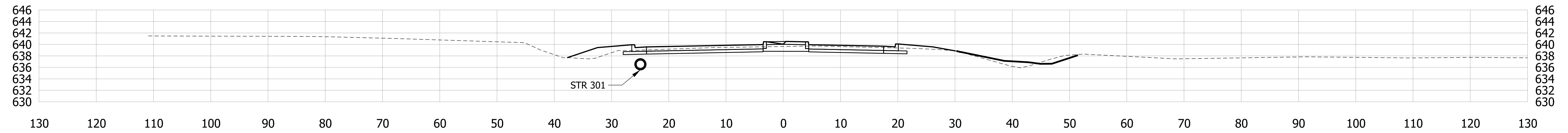
115+00



114+50



114+00



113+50

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PRELIMINARY
NOT FOR CONSTRUCTION
DATE: 10/17/2020

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____	
DESIGNED: JSC	DRAWN: REF		
CHECKED: LRD	CHECKED: CLW		

INDIANA
DEPARTMENT OF TRANSPORTATION

SR 55 AT 73RD AVE. INTERSECTION IMPROVEMENT
Cross Sections 113+50 to 115+50 Line 'PR-S'

HORIZONTAL SCALE 1" = 10'	BRIDGE FILE -
VERTICAL SCALE 1" = 10'	DESIGNATION 1383615
SURVEY BOOK ELECTRONIC	SHEETS 41 of 41
CONTRACT R-41033	PROJECT 1383615