PROJECT	DESIGNATION
1901948	1901948
CONTRACT	BRIDGE FILE
R-43177	N/A

INDIANA DEPARTMENT OF TRANSPORTATION

ROAD PLANS

US 231 & 113TH AVENUE INTERSECTION IMPROVEMENTS PROJECT

ROUTE: US 231 AT: RP 290+0.71

PROJECT NO. 1901948 P.E.
1901948 R/W
1901948 CONST.

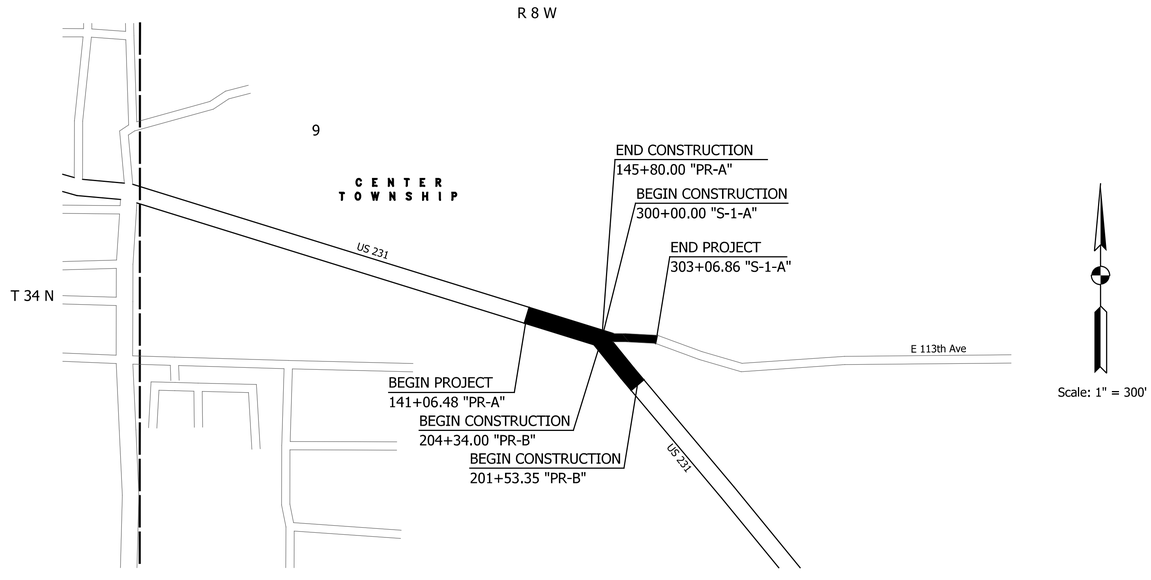
TRAFFIC DATA		US 231	
A.A.D.T.	2025	15,000	V.P.D.
A.A.D.T.	2045	17,900	V.P.D.
D.H.V	2025	1,610	V.P.H.
DIRECTIONAL DISTRIBUTION		52%	%
TRUCKS		3%	% A.A.D.T.
		2%	% D.H.V.

DESIGN DATA	
DESIGN SPEED	25 M.P.H.
PROJECT DESIGN CRITERIA	RECONSTRUCTION (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL
RURAL/URBAN	URBAN (INTERMEDIATE)
TERRAIN	LEVEL
ACCESS CONTROL	NONE

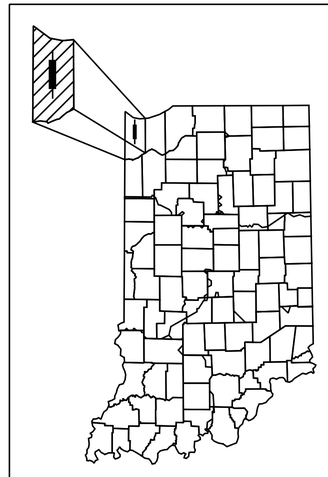
TRAFFIC DATA		113TH AVENUE	
A.A.D.T.	2025	8,700	V.P.D.
A.A.D.T.	2045	10,400	V.P.D.
D.H.V	2025	940	V.P.H.
DIRECTIONAL DISTRIBUTION		54%	%
TRUCKS		2%	% A.A.D.T.
		2%	% D.H.V.

DESIGN DATA	
DESIGN SPEED	25 M.P.H.
PROJECT DESIGN CRITERIA	RECONSTRUCTION (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	STATE COLLECTOR
RURAL/URBAN	URBAN (INTERMEDIATE)
TERRAIN	LEVEL
ACCESS CONTROL	NONE

Project Description: The Project is Located on US 231 at the Intersection of 113th Avenue. The Proposed Project Limits Extend Approximately 480 Feet West on US 231, 400 Feet Southeast Along US 231, and 485 feet East Along 113th Avenue From the Center of the Intersection.The Project is Located Within the City Limits of Crown Point, Indiana 9, T 34 N & R 8 W, Center Township



LAKE COUNTY



PROJECT LOCATION SHOWN BY

LATITUDE: 41° 24' 47" N LONGITUDE: 87° 20' 51" W

Gross Length: 0.18 MI.

Net Length: 0.18 MI.

Maximum Grade: 1.92 %

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

AMERICAN STRUCTUREPOINT INC.
9025 RIVER ROAD, SUITE 200
INDIANAPOLIS, IN 46240-3957
TEL 317.547.5580 FAX 317.543.0270
www.structurepoint.com

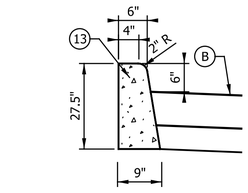
PLANS PREPARED BY: American Structurepoint, Inc. (317) 547-5580 PHONE NUMBER

CERTIFIED BY: DATE

APPROVED FOR LETTING: INDIANA DEPARTMENT OF TRANSPORTATION DATE

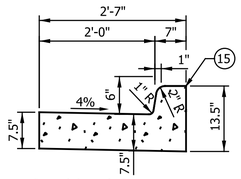
BRIDGE FILE	
N/A	
DESIGNATION	
1901948	

SURVEY BOOK	SHEETS		
N/A	1		42
CONTRACT	PROJECT		
R-43177	1901948		



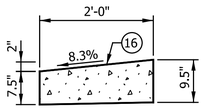
Curb, Concrete, Modified Detail

Not to Scale



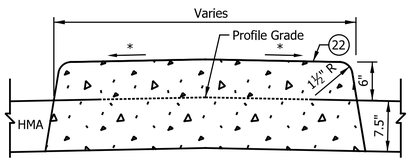
Combined Concrete
Curb and Gutter, Modified

Not to Scale



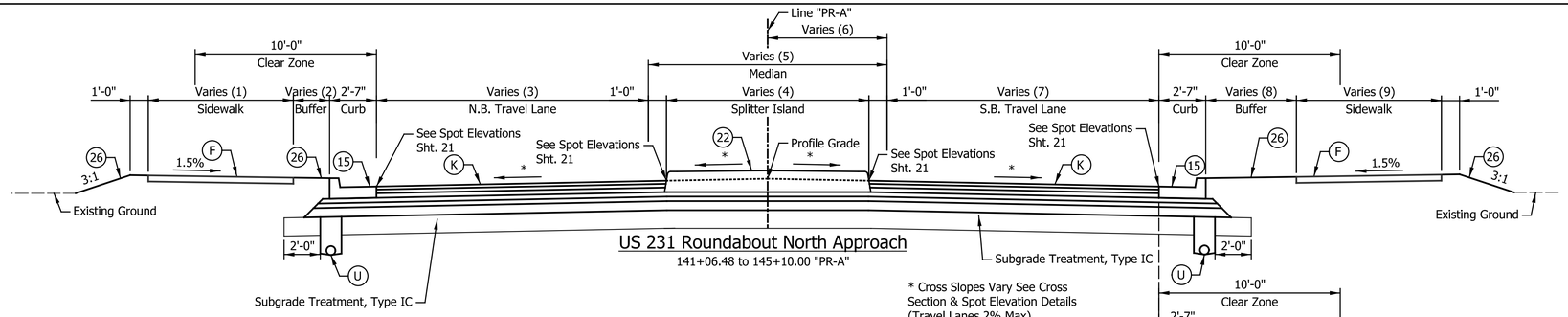
Curb and Gutter,
Roll Curb, Modified Detail

Not to Scale



Concrete Center Curb, Type D

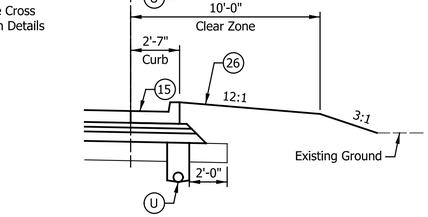
Not to Scale



US 231 Roundabout North Approach

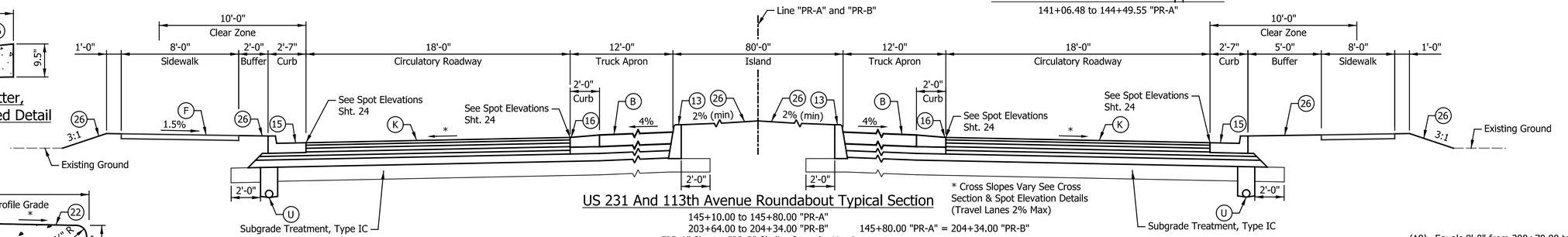
141+06.48 to 145+10.00 "PR-A"

* Cross Slopes Vary See Cross Section & Spot Elevation Details (Travel Lanes 2% Max)



US 231 Roundabout North Approach

141+06.48 to 144+49.55 "PR-A"

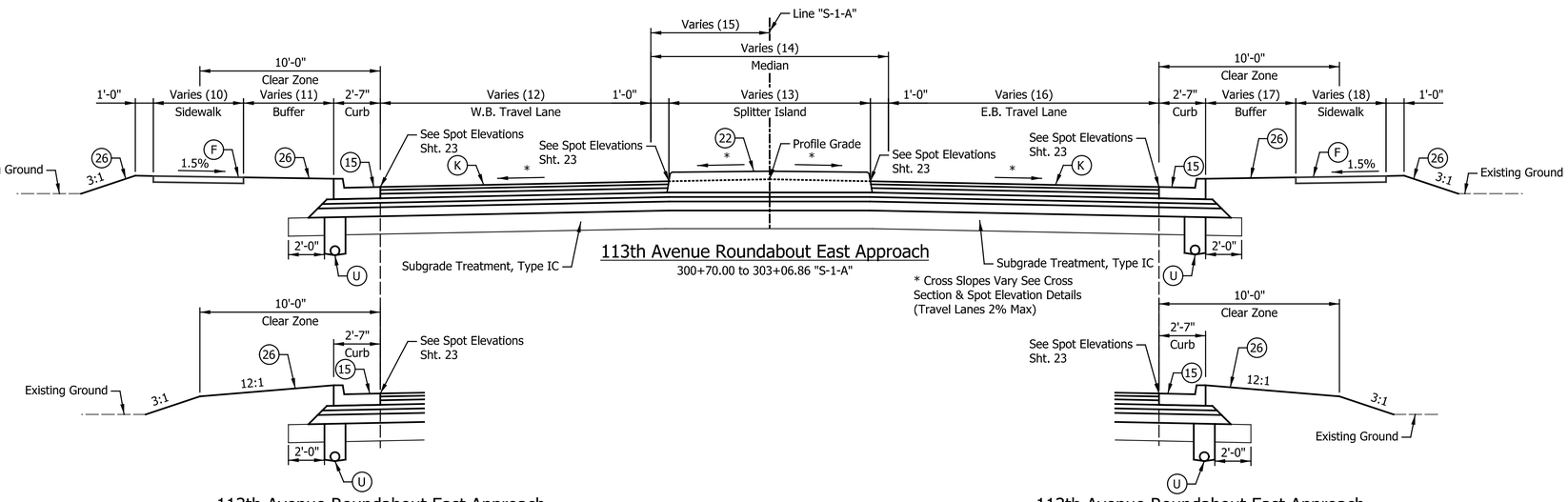


US 231 And 113th Avenue Roundabout Typical Section

145+10.00 to 145+80.00 "PR-A"
203+64.00 to 204+34.00 "PR-B"
"PR-A" Shown, "PR-B" Similar Opposite Hand

145+80.00 "PR-A" = 204+34.00 "PR-B"

* Cross Slopes Vary See Cross Section & Spot Elevation Details (Travel Lanes 2% Max)



113th Avenue Roundabout East Approach

300+70.00 to 303+06.86 "S-1-A"

* Cross Slopes Vary See Cross Section & Spot Elevation Details (Travel Lanes 2% Max)

113th Avenue Roundabout East Approach

301+89.32 to 303+06.86 "S-1-A"

113th Avenue Roundabout East Approach

301+49.42 to 303+06.86 "S-1-A"

LEGEND

- (B) 9.5" PCCP with D-1 Contraction Joints Spacing of 15 ft. w 1.5" Dowel Bars, on 12" Compacted Aggregate, No. 53, on Subgrade Treatment, Type IC
- (F) Sidewalk, Concrete, 4"
- (K) HMA For Pavement to Be: 220 #/Syd. QC/QA-HMA, 4, 76, Surface, 12.5mm, on 275 #/Syd. QC/QA-HMA, 4, 76, Intermediate, 19.0mm, on 330 #/Syd. QC/QA-HMA, 4, 64, Base, 19.0mm, on 330 #/Syd. QC/QA-HMA, 4, 64, Base, 19.0mm, on 300 #/Syd. QC/QA-HMA, 4, 76, OG Intermediate, 19.0mm, on 6" Compacted Aggregate No. 53, on Subgrade Treatment, Type IC
- (U) Underdrain, Type 4, 6"
- (S) Sawcut (Not a Pay Item)
- (13) Curb, Concrete, Modified
- (15) Combined Concrete Curb and Gutter, Modified
- (16) Curb and Gutter, Roll Curb, Modified
- (22) Center Curb, Type "D", Concrete
- (26) Sodding, Nursery

(1) Equals 5'-0" from 141+06.48 to 144+60.52 "PR-A"
Equals 8'-0" from 144+60.52 to 145+10.00 "PR-A"

(2) Varies 13'-4" to 5'-0" from 141+06.48 to 142+79.88 "PR-A"
Equals 5'-0" from 142+79.88 to 144+60.52 "PR-A"
Equals 2'-0" from 144+60.52 to 145+10.00 "PR-A"

(3) Varies 11'-0" to 12'-0" from 141+06.48 to 142+75.85 "PR-A"
Equals 12'-0" from 142+75.85 to 144+60.15 "PR-A"
Varies 12'-0" to 15'-9" from 144+60.15 to 145+10.00 "PR-A"

(4) Varies 12'-0" to 43'-11" from 143+74.20 to 145+10.00 "PR-A"

(5) Varies 0'-0" to 52'-4" from 141+06.48 to 145+10.00 "PR-A"

(6) Varies 0'-0" to 37'-1" from 141+06.48 to 145+10.00 "PR-A"

(7) Varies 11'-0" to 12'-0" from 141+06.48 to 142+74.03 "PR-A"
Varies 12'-0" to 16'-0" from 142+74.03 to 142+95.56 "PR-A"
Equals 16'-0" from 142+95.56 to 145+10.00 "PR-A"

(8) Equals 0'-0" from 141+06.48 to 144+63.68 "PR-A"
Equals 5'-0" from 144+63.68 to 145+10.0 "PR-A"

(9) Equals 0'-0" from 141+06.48 to 144+47.06 "PR-A"
Equals 8'-0" from 144+47.06 to 145+10.00 "PR-A"

(10) Equals 8'-0" from 300+70.00 to 300+91.23 "S-1-A"
Varies 8'-0" to 6'-0" from 300+91.23 to 301+13.50 "S-1-A"
Equals 6'-0" from 301+13.50 to 301+63.10 "S-1-A"
Varies 6'-0" to 5'-0" from 301+63.10 to 301+81.61 "S-1-A"
Equals 5'-0" from 301+81.61 to 301+89.32 "S-1-A"

(11) Equals 2'-0" from 300+70.00 to 300+97.83 "S-1-A"
Varies 2'-0" to 0'-0" from 300+97.83 to 301+13.50 "S-1-A"
Equals 0'-0" from 301+13.50 to 301+63.10 "S-1-A"
Varies 0'-0" to 20'-7" from 301+63.10 to 301+89.32 "S-1-A"

(12) Varies 16'-7" to 12'-0" from 300+70.00 to 301+21.40 "S-1-A"
Equals 12'-0" from 301+21.40 to 302+56.86 "S-1-A"
Varies 12'-0" to 10'-11" from 302+56.86 to 303+06.86 "S-1-A"

(13) Varies 29'-2" to 10'-0" from 300+70.00 to 302+60.92 "S-1-A"
Equals 0'-0" from 302+60.92 "S-1-A" to 303+06.86 "S-1-A"

(14) Varies 37'-10" to 14'-0" from 300+70.00 to 301+43.72 "S-1-A"
Equals 14'-0" from 301+43.72 to 302+56.86 "S-1-A"
Varies 14'-0" to 12'-5" from 302+56.86 to 303+06.86 "S-1-A"

(15) Varies 15'-2" to 7'-0" from 300+70.00 to 301+07.96 "S-1-A"
Equals 7'-0" from 301+07.96 to 302+60.92 "S-1-A"
Varies 7'-0" to 6'-2" from 302+60.92 to 303+06.86 "S-1-A"

(16) Varies 16'-9" to 12'-0" from 300+70.00 to 301+57.92 "S-1-A"
Equals 12'-0" from 301+57.92 to 302+56.86 "S-1-A"
Varies 12'-0" to 10'-9" from 302+56.86 to 303+06.86 "S-1-A"

(17) Equals 2'-0" from 300+70.00 to 301+07.26 "S-1-A"
Equals 5'-0" from 301+07.26 to 301+16.06 "S-1-A"
Varies 5'-0" to 2'-9" from 301+16.06 to 301+49.42 "S-1-A"

(18) Equals 8'-0" from 300+70.00 to 301+07.26 "S-1-A"
Equals 5'-0" from 301+07.26 to 301+49.42 "S-1-A"

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: RRB DRAWN: RRB

CHECKED: RGS CHECKED: RGS

INDIANA DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1901948

SURVEY BOOK	SHEETS
N/A	3 of 42
CONTRACT	PROJECT
R-43177	1901948

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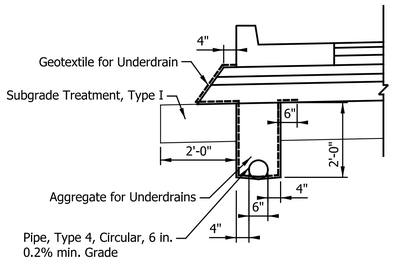
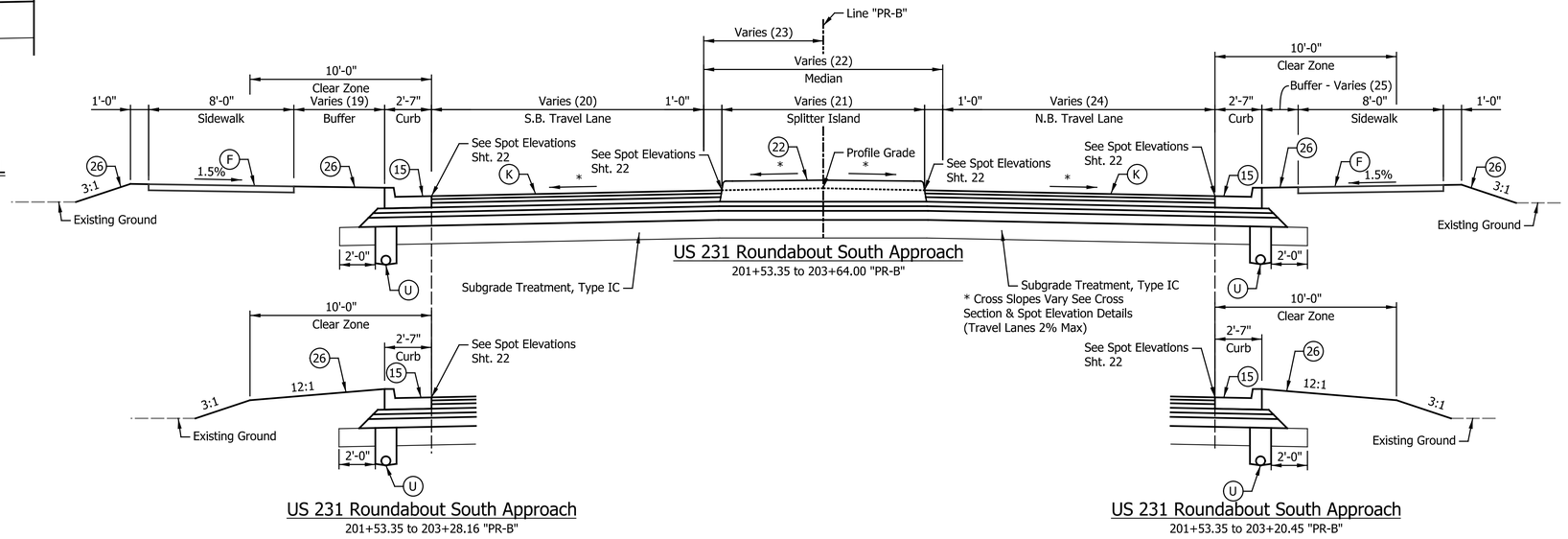


UNDERDRAIN DETAIL
Not To Scale



(19) Equals 0'-0" from 201+53.35 to 203+28.16 "PR-B"
Equals 5'-0" from 203+28.16 to 203+64.00 "PR-B"

(20) Varies 13'-8" to 14'-0" from 201+53.35 to 202+30.34 "PR-B"
Equals 14'-0" from 202+30.34 to 203+19.22 "PR-B"
Varies 14'-0" to 16'-9" from 203+19.22 to 203+64.00 "PR-B"

(21) Equals 0'-0" from 201+53.35 to 202+28.38 "PR-B"
Varies 4'-0" to 23'-2" from 202+28.38 to 203+64.00 "PR-B"

(22) Varies 0'-0" to 8'-0" from 201+53.35 to 202+30.34 "PR-B"
Equals 8'-0" from 202+30.34 to 202+89.68 "PR-B"
Varies 8'-0" to 32'-0" from 202+89.68 to 203+64.00 "PR-B"

(23) Varies 0'-0" to 4'-0" from 201+53.35 to 202+30.34 "PR-B"
Equals 4'-0" from 202+30.34 to 203+25.65 "PR-B"
Varies 4'-0" to 14'-4" from 203+25.65 to 203+64.00 "PR-B"

(24) Varies 11'-11" to 14'-0" from 201+53.35 to 202+30.34 "PR-B"
Equals 14'-0" from 202+30.34 to 202+58.73 "PR-B"
Varies 14'-0" to 19'-7" from 202+58.73 to 203+64.00 "PR-B"

(25) Equals 0'-0" from 201+53.35 to 203+20.45 "PR-B"
Equals 2'-0" from 203+20.45 to 203+64.00 "PR-B"

LEGEND

(B) 9.5" PCCP with D-1 Contraction Joints Spacing
of 15 ft. w 1.5" Dowel Bars, on
12" Compacted Aggregate, No. 53, on
Subgrade Treatment, Type IC

(F) Sidewalk, Concrete, 4"

(K) HMA For Pavement to Be:
220 #/Syd. QC/QA-HMA, 4, 76, Surface, 12.5mm, on
275 #/Syd. QC/QA-HMA, 4, 76, Intermediate, 19.0mm, on
330 #/Syd. QC/QA-HMA, 4, 64, Base, 19.0mm, on
330 #/Syd. QC/QA-HMA, 4, 64, Base, 19.0mm, on
300 #/Syd. QC/QA-HMA, 4, 76, OG Intermediate, 19.0mm, on
6" Compacted Aggregate No. 53, on
Subgrade Treatment, Type IC

(U) Underdrain, Type 4, 6"

(S) Sawcut (Not a Pay Item)

(13) Curb, Concrete, Modified

(15) Combined Concrete Curb and Gutter, Modified

(16) Curb and Gutter, Roll Curb, Modified

(22) Center Curb, Type "D", Concrete

(26) Sodding, Nursery

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: RRB DRAWN: RRB

CHECKED: RGS CHECKED: RGS

INDIANA DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1901948
SURVEY BOOK	SHEETS
N/A	4 of 42
CONTRACT	PROJECT
R-43177	1901948

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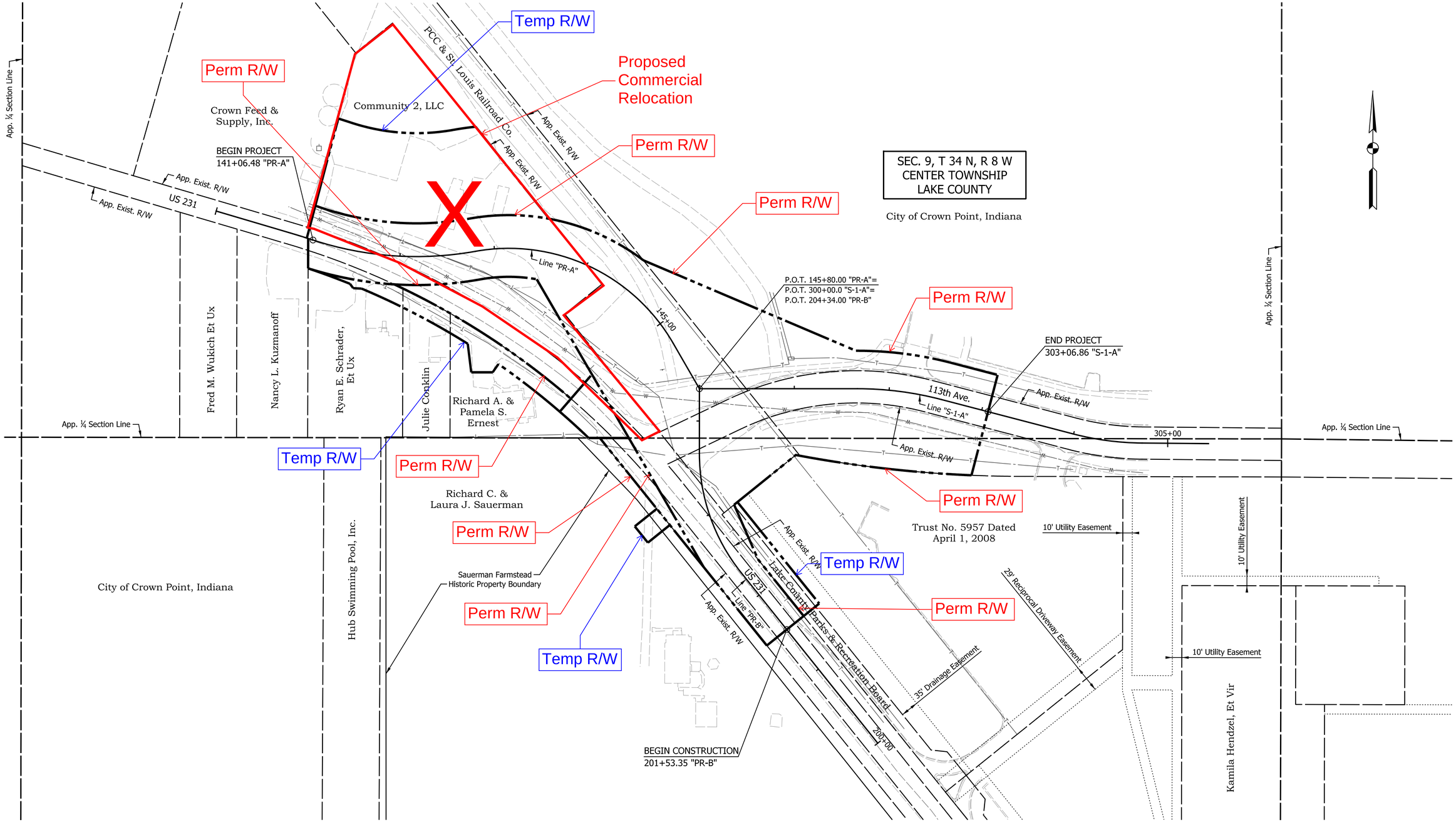

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: RGS DRAWN: CAK

CHECKED: ERW CHECKED: ERW

INDIANA DEPARTMENT OF TRANSPORTATION

PLAT NO. 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1901948
SURVEY BOOK	SHEETS
N/A	5 of 42
CONTRACT	PROJECT
R-43177	1901948

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Indiana_Shade.tbl

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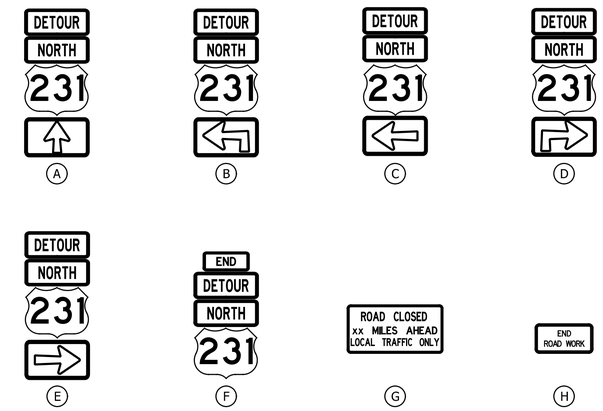
US 231 South
US 231 South to SR 55 North
SR 55 North to US 30 East
US 30 East To I-65 South
I-65 South To US 231 South

US 231 North
US 231 North to I-65 North
I-65 North to US 30 West
US 30 West to SR 55 South
SR 55 South to US 231 North



SOUTH * Denotes "South" Plaque (North Shown)



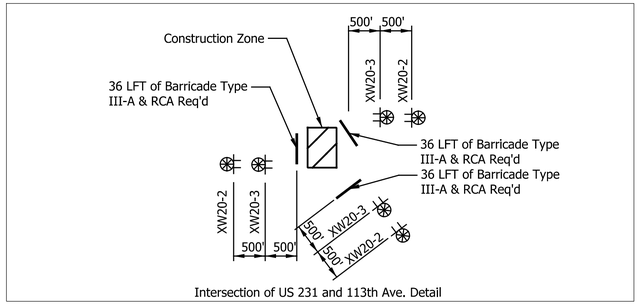
XW20-2
(48" X 48")

XW20-3
(48" X 48")

R11-2
(30" X 48")
Road Closure Assembly
(RCA)

LEGEND

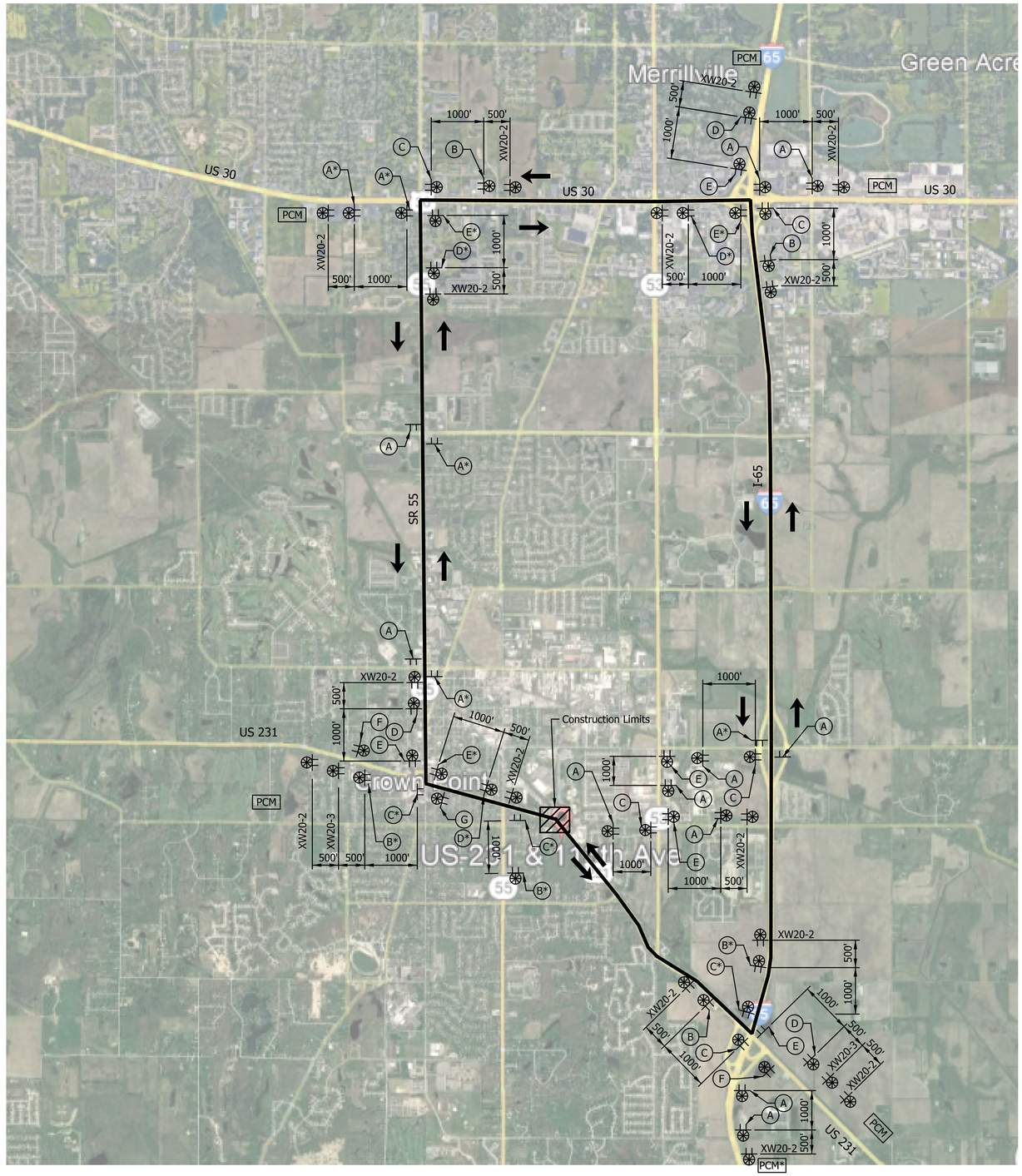
- Construction Sign w/ Warning Light
- Construction Sign
- Construction Zone
- Barricade Type III-A or B
- Direction of Travel
- Detour Route
- PCM Portable Changeable Message Board



Intersection of US 231 and 113th Ave. Detail

QUANTITY SUMMARY - DETOUR		
Detour Route Marker Assembly	44	Each
Construction Sign, Type A	22	Each
Portable Changeable Message Board	6	Each
Barricade Type III-A	108	Lft
Road Closure Sign Assembly	3	Each

Notes
1. Portable Changeable Message Board to Read "US 231 Closed at 113th Ave.".
   *Portable Changeable Message Board to Read "113th Ave. Closed at US 231".
2. All Materials, Procedures, Signs, Markings, Flashers and Miscellaneous Items Shall Conform to the Requirements of the Current INDOT Standard Specifications snd the Indiana Manual on Uniform Traffic Control Devices.
3. Contractor Shall Conduct Meetings with State Police, Fire Department, and Ambulance Service To Define Road Closure.



DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: RRB DRAWN: RRB
CHECKED: RGS CHECKED: RGS

INDIANA DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
DETOUR ROUTE

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	1901948
SURVEY BOOK	SHEETS
N/A	11 of 42
CONTRACT	PROJECT
R-43177	1901948

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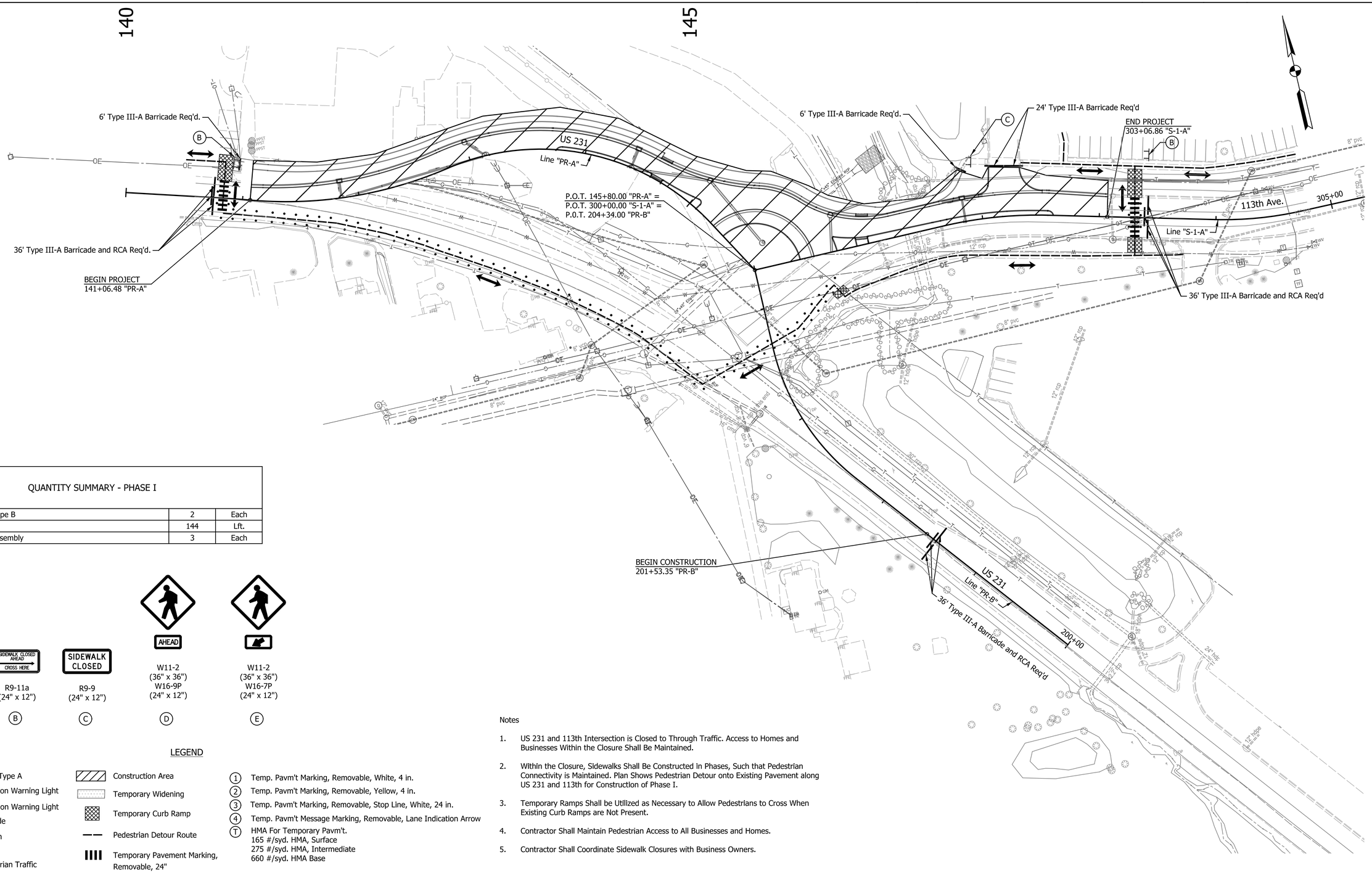

QUANTITY SUMMARY - PHASE I		
Construction Sign, Type B	2	Each
Type III-A Barricade	144	Lft.
Road Closure Sign Assembly	3	Each

R9-10 (24" x 12") — A

R9-11a (24" x 12") — B

R9-9 (24" x 12") — C

W11-2 (36" x 36") W16-9P (24" x 12") — D

W11-2 (36" x 36") W16-7P (24" x 12") — E

LEGEND

- Construction Sign, Type A
- Type "A" Construction Warning Light
- Type "B" Construction Warning Light
- Type III-A Barricade
- Flashing Arrow Sign
- Direction of Traffic
- Direction of Pedestrian Traffic
- Standard Drum or Tubular Marker
- Construction Area
- Temporary Widening
- Temporary Curb Ramp
- Pedestrian Detour Route
- Temporary Pavement Marking, Removable, 24"
- (1) Temp. Pavm't Marking, Removable, White, 4 in.
- (2) Temp. Pavm't Marking, Removable, Yellow, 4 in.
- (3) Temp. Pavm't Marking, Removable, Stop Line, White, 24 in.
- (4) Temp. Pavm't Message Marking, Removable, Lane Indication Arrow
- (T) HMA For Temporary Pavm't.
  165 #/syd. HMA, Surface
  275 #/syd. HMA, Intermediate
  660 #/syd. HMA Base

Notes

1. US 231 and 113th Intersection is Closed to Through Traffic. Access to Homes and Businesses Within the Closure Shall Be Maintained.
2. Within the Closure, Sidewalks Shall Be Constructed In Phases, Such that Pedestrian Connectivity is Maintained. Plan Shows Pedestrian Detour onto Existing Pavement along US 231 and 113th for Construction of Phase I.
3. Temporary Ramps Shall be Utilized as Necessary to Allow Pedestrians to Cross When Existing Curb Ramps are Not Present.
4. Contractor Shall Maintain Pedestrian Access to All Businesses and Homes.
5. Contractor Shall Coordinate Sidewalk Closures with Business Owners.

Construction Zone Design Speed = 25 MPH
Construction Clear Zone = 13'-0"

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: RRB DRAWN: RRB

CHECKED: RGS CHECKED: RGS

INDIANA DEPARTMENT OF TRANSPORTATION

MAINTENACE OF TRAFFIC - PHASE I
PEDESTRIAN DETOUR

HORIZONTAL SCALE	BRIDGE FILE
1" = 40'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1901948
SURVEY BOOK	SHEETS
N/A	12 of 42
CONTRACT	PROJECT
R-43177	1901948

Indy-Prof.dfcfg
Indiana_Shade.tbl

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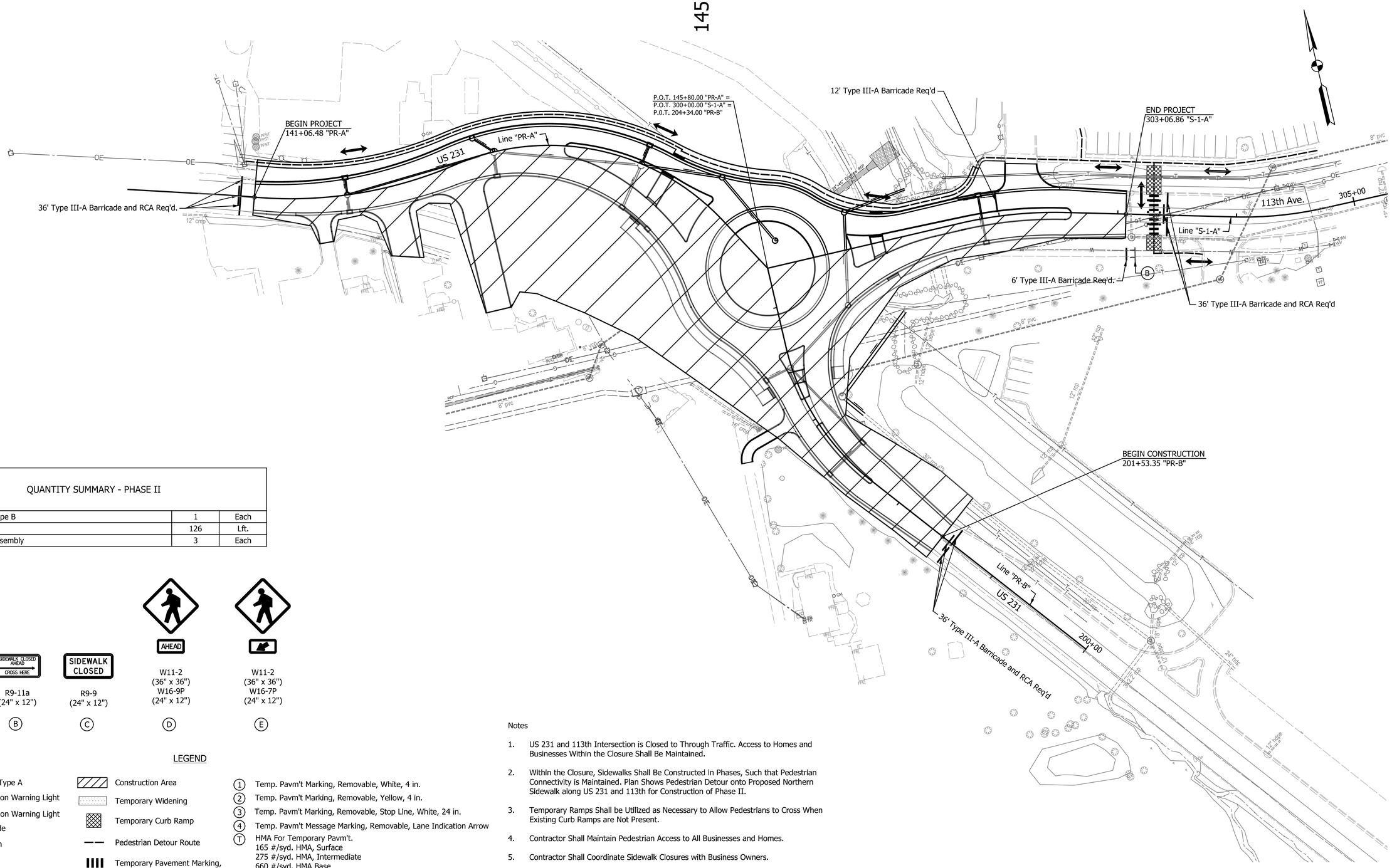

QUANTITY SUMMARY - PHASE II		
Construction Sign, Type B	1	Each
Type III-A Barricade	126	Lft.
Road Closure Sign Assembly	3	Each

R9-10 (24" x 12") — A

R9-11a (24" x 12") — B

R9-9 (24" x 12") — C

W11-2 (36" x 36") W16-9P (24" x 12") — D

W11-2 (36" x 36") W16-7P (24" x 12") — E

LEGEND

- Construction Sign, Type A
- Type "A" Construction Warning Light
- Type "B" Construction Warning Light
- Type III-A Barricade
- Flashing Arrow Sign
- Direction of Traffic
- Direction of Pedestrian Traffic
- Standard Drum or Tubular Marker
- Construction Area
- Temporary Widening
- Temporary Curb Ramp
- Pedestrian Detour Route
- Temporary Pavement Marking, Removable, 24"
- (1) Temp. Pavm't Marking, Removable, White, 4 in.
- (2) Temp. Pavm't Marking, Removable, Yellow, 4 in.
- (3) Temp. Pavm't Marking, Removable, Stop Line, White, 24 in.
- (4) Temp. Pavm't Message Marking, Removable, Lane Indication Arrow
- (T) HMA For Temporary Pavm't.
  165 #/syd. HMA, Surface
  275 #/syd. HMA, Intermediate
  660 #/syd. HMA Base

Notes

1. US 231 and 113th Intersection is Closed to Through Traffic. Access to Homes and Businesses Within the Closure Shall Be Maintained.
2. Within the Closure, Sidewalks Shall Be Constructed In Phases, Such that Pedestrian Connectivity is Maintained. Plan Shows Pedestrian Detour onto Proposed Northern Sidewalk along US 231 and 113th for Construction of Phase II.
3. Temporary Ramps Shall be Utilized as Necessary to Allow Pedestrians to Cross When Existing Curb Ramps are Not Present.
4. Contractor Shall Maintain Pedestrian Access to All Businesses and Homes.
5. Contractor Shall Coordinate Sidewalk Closures with Business Owners.

Construction Zone Design Speed = 25 MPH
Construction Clear Zone = 10'-0"

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: RRB DRAWN: RRB

CHECKED: RGS CHECKED: RGS

INDIANA DEPARTMENT OF TRANSPORTATION

MAINTENACE OF TRAFFIC - PHASE II
PEDESTRIAN DETOUR

HORIZONTAL SCALE	BRIDGE FILE
1" = 40'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1901948
SURVEY BOOK	SHEETS
N/A	13 of 42
CONTRACT	PROJECT
R-43177	1901948

Indy-dhf.dfcfg
Indiana_Shade.tbl

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SEC. 9, T 34 N, R 8 W
CENTER TOWNSHIP
PORTER COUNTY

Community 2, LLC

Crown Feed & Supply, Inc.

CURVE DATA
P.I. = 141+94.90 "PR-A"
D = 28° 21' 15.04" (LT)
T = 88.41
L = 173.21
R = 350.00
E = 10.99
S.E. = N.C.

App. P.L.

App. Exist. R/W

PCC & St. Louis Railroad Co.

P.R.C. 142+79.69 "PR-A"

BEGIN PROJECT
141+06.48 "PR-A"

+06.48
26.55' LT.

P.I. 141+94.90 "PR-A"

Constr. Limits

5'-0"

0.02 Acres of Tree and Brush Removal within Construction Limits To be Paid as Clearing Right of Way

24 LFT of Fence Right-of-Way, Remove

P.I. 144+20.23 "PR-A"

CURVE DATA
P.I. = 144+20.23 "PR-A"
D = 70° 11' 29.64" (RT)
T = 140.54
L = 245.01
R = 200.00
E = 44.44
S.E. = N.C.

U.S. 231

S 73° 33' 37" E

S 79° 48' 30" E

P.O.T. 140+00.00 "PR-A"

Line "PR-A"

+06.48
11.00' LT.

+06.48
11.00' RT.

+79.88
23.58' LT.

+60.52
23.58' LT.

12" cmp

Fred M. Wukich Et Ux.

S 71° 50' 15" E

P.C. 140+81.87 "PR-A"

P.I. 140+94.18 "PR-A"

P.R.C. 141+06.48 "PR-A"

Constr. Limits

S 30° 00' 00" E

8" pvc

Community 2, LLC

App. Exist. R/W

+47.06
56.00' RT.

+63.68
50.73' RT.

8'-0"

Nancy L. Kuzmanoff

CURVE DATA
P.I. = 140+94.18 "PR-A"
D = 1° 43' 22.19" (RT)
T = 12.31
L = 24.61
R = 818.51
E = 0.09
S.E. = N.C.

Class I Drive Req'd.
W = 11.0'

+64

Ryan E. Schrader Et Ux.

+21

Class I Drive Req'd.
W = 23.0'

Julie Conklin

+88

Class I Drive Req'd.
W = 20.8'

Richard A. & Pamela S. Ernest

LEGEND

- (C) PCCP for Approaches, 6 in. on Dense Graded Subbase, 6 in. on Subgrade Treatment Type II
- (C1) PCCP for Approaches, 9 in. on Dense Graded Subbase, 6 in. on Geogrid Type 1B on Subgrade Treatment Type II
- (B) 9.5" PCCP with D-1 Contraction Joints Spacing of 15 ft. w 1.5" Dowel Bars, on 12" Compacted Aggregate, No. 53, on Subgrade Treatment, Type IC
- (F) Sidewalk, Concrete, 4"
- (K) HMA For Pavement to Be: 220 #/Syd. QC/QA-HMA, 4, 76, Surface, 12.5mm, on 275 #/Syd. QC/QA-HMA, 4, 76, Intermediate, 19.0mm, on 330 #/Syd. QC/QA-HMA, 4, 64, Base, 19.0mm, on 330 #/Syd. QC/QA-HMA, 4, 64, Base, 19.0mm, on 300 #/Syd. QC/QA-HMA, 4, 76, OG Intermediate, 19.0mm, on 6" Compacted Aggregate No. 53, on Subgrade Treatment, Type IC
- (S) Sawcut (Not a Pay Item)
- (X) Concrete Curb Ramp Req'd
- (13) Curb, Concrete, Modified
- (15) Combined Concrete Curb and Gutter, Modified
- (16) Curb and Gutter, Roll Curb, Modified
- (22) Center Curb, Type "D", Concrete
- (26) Sodding, Nursery

NOTES:
See Roundabout Geometric Tie-In Details for Additional Alignment Information.

All R/W Described from Line "XX" Unless Otherwise Noted.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: RGS DRAWN: CAK

CHECKED: ERW CHECKED: ERW

INDIANA DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1901948
SURVEY BOOK	SHEETS
N/A	17 of 42
CONTRACT	PROJECT
R-43177	1901948

Indy-Pdf.dfcfg
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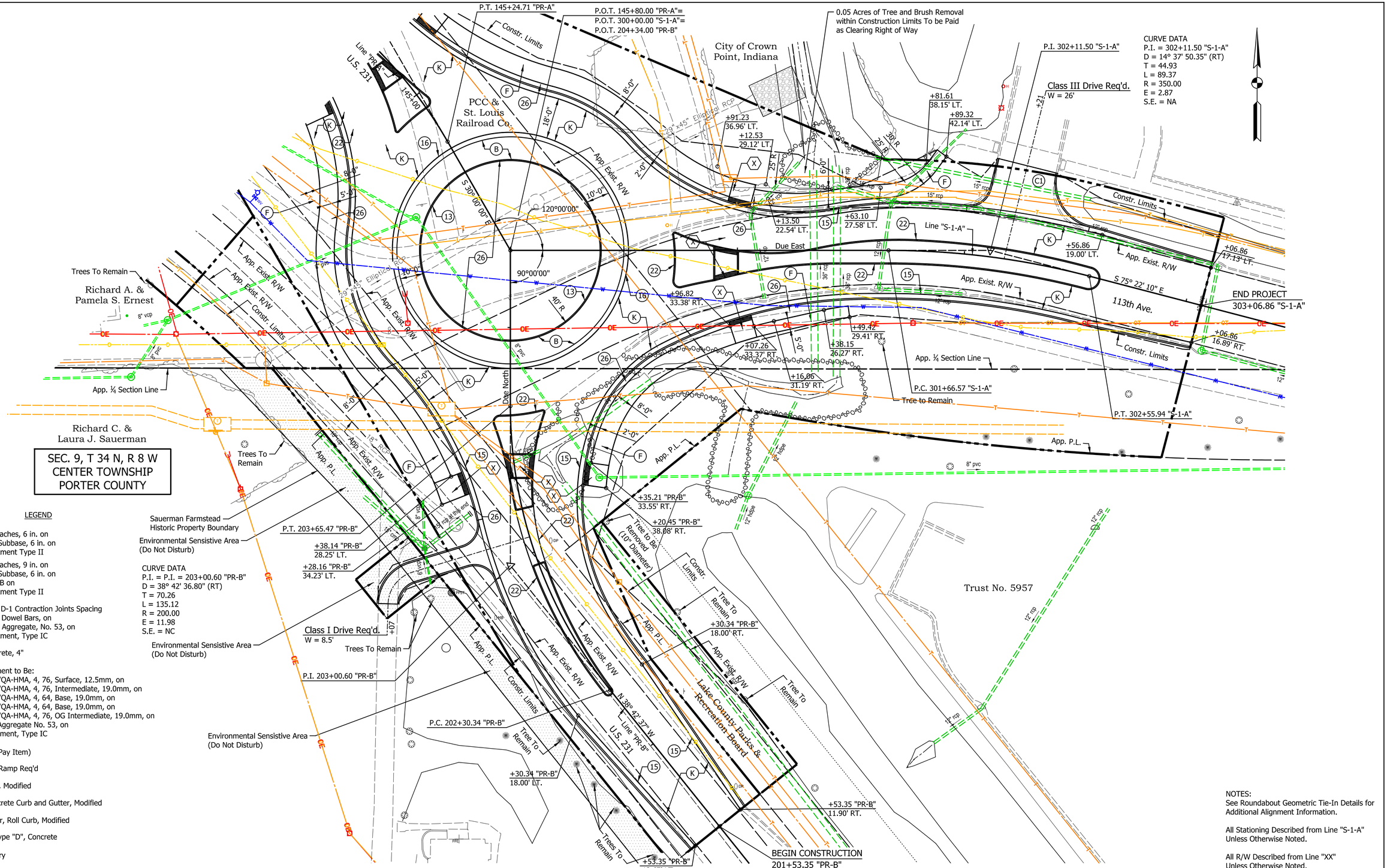

LEGEND

- (C) PCCP for Approaches, 6 in. on Dense Graded Subbase, 6 in. on Subgrade Treatment Type II
- (C1) PCCP for Approaches, 9 in. on Dense Graded Subbase, 6 in. on Geogrid Type 1B on Subgrade Treatment Type II
- (B) 9.5" PCCP with D-1 Contraction Joints Spacing of 15 ft. w 1.5" Dowel Bars, on 12" Compacted Aggregate, No. 53, on Subgrade Treatment, Type IC
- (F) Sidewalk, Concrete, 4"
- (K) HMA For Pavement to Be:
  220 #/Syd. QC/QA-HMA, 4, 76, Surface, 12.5mm, on
  275 #/Syd. QC/QA-HMA, 4, 76, Intermediate, 19.0mm, on
  330 #/Syd. QC/QA-HMA, 4, 64, Base, 19.0mm, on
  330 #/Syd. QC/QA-HMA, 4, 64, Base, 19.0mm, on
  300 #/Syd. QC/QA-HMA, 4, 76, OG Intermediate, 19.0mm, on
  6" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type IC
- (S) Sawcut (Not a Pay Item)
- (X) Concrete Curb Ramp Req'd
- (13) Curb, Concrete, Modified
- (15) Combined Concrete Curb and Gutter, Modified
- (16) Curb and Gutter, Roll Curb, Modified
- (22) Center Curb, Type "D", Concrete
- (26) Sodding, Nursery

NOTES:
See Roundabout Geometric Tie-In Details for Additional Alignment Information.

All Stationing Described from Line "S-1-A" Unless Otherwise Noted.

All R/W Described from Line "XX" Unless Otherwise Noted.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: RGS DRAWN: CAK

CHECKED: ERW CHECKED: ERW

INDIANA DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
LINE "PR-A" "PR-B" "S-1-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1901948
SURVEY BOOK	SHEETS
N/A	18 of 43
CONTRACT	PROJECT
R-43177	1901948

Indy-Pdf.dfcfg
Indiana_Utility_All_Color.tbl

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SEC. 9, T 34 N, R 8 W
CENTER TOWNSHIP
PORTER COUNTY

Community 2, LLC

Crown Feed & Supply, Inc.

App. P.L.

PCC & St. Louis Railroad Co.

App. Exist. R/W

Str. No. 105
Manhole, Type "J-4"
119' of 15" Pipe
+14.0, 0.0' RT.

Str. No. 103
Manhole, Type "C-15"
17' of 12" Pipe
+00.0 LT.

BEGIN PROJECT
141+06.48 "PR-A"

Str. No. 100
Catch Basin, Type "B-15"
11' of 12" Pipe
+85.0 LT.

Str. No. 104
Catch Basin, Type "B-15"
16' of 12" Pipe

Str. No. 101
Manhole, Type "C-4"
124' of 12" Pipe
+85.0, 0.0' RT.

+12.0 RT.

PPST

OE

U.S. 231

Constr. Limits

Line "PR-A"

12" cmp

Fred M. Wukich Et Ux.

Nancy L. Kuzmanoff

Str. No. 102
Catch Basin, Type "B-15"
11' of 12" Pipe
+85.0 RT.

Ryan E. Schrader Et Ux.

Julie Conklin

Richard A. & Pamela S. Ernest

Community 2, LLC

Str. No. 107
Catch Basin, Type "B-15"
14' of 12" Pipe
+41.0 LT.

Str. No. 108
Manhole, Type "J-4"
64' of 18" Pipe
+41.0, 1.0' RT.

Str. No. 106
Catch Basin, Type "C-15"
35' of 18" Pipe
+40.0 RT.

Str. No. 109
Inlet, Type "B-15"
24' of 12" Pipe
+75.0 RT.

Str. No. 110
Manhole, Type "C-15"
65' of 18" Pipe
+01.0 Lt.

App. Exist. R/W

8" pvc

8" vcp

FES

LEGEND

(AC) Furnish and Adjust to Grade, Casting 15

(IR) Inlet, Remove

Notes:
All Stationing Described from Line "PR-A"
Unless Otherwise Noted.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: RGS DRAWN: CAK
CHECKED: ERW CHECKED: ERW

INDIANA DEPARTMENT OF TRANSPORTATION

DRAINAGE DETAILS
LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1901948
SURVEY BOOK	SHEETS
N/A	19 of 42
CONTRACT	PROJECT
R-43177	1901948

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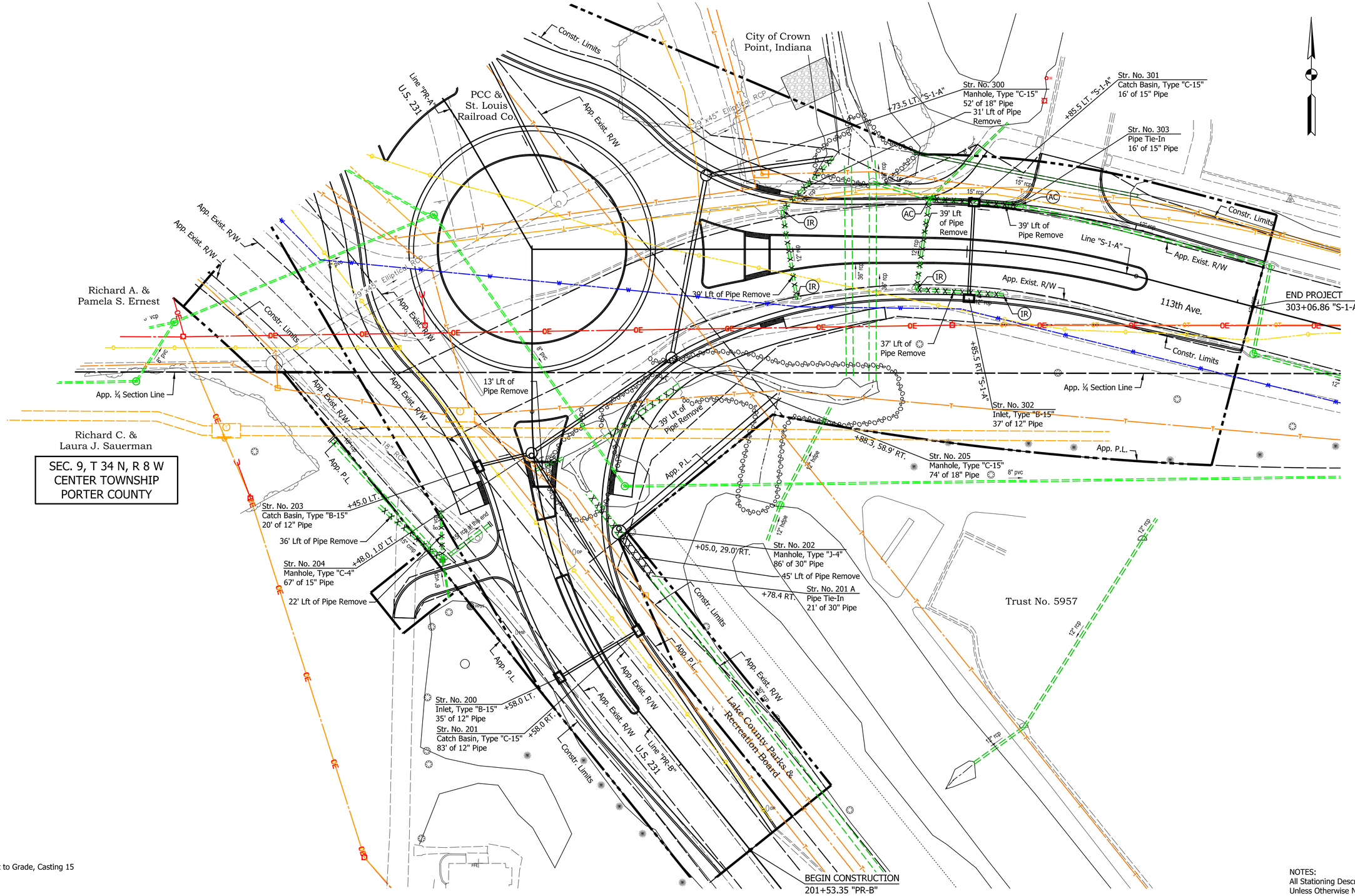

LEGEND

(AC) Furnish and Adjust to Grade, Casting 15

(IR) Inlet, Remove

NOTES:
All Stationing Described from Line "PR-B"
Unless Otherwise Noted.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: RGS DRAWN: CAK

CHECKED: ERW CHECKED: ERW

INDIANA DEPARTMENT OF TRANSPORTATION

DRAINAGE DETAILS
LINE "PR-A" "PR-B" "S-1-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1901948
SURVEY BOOK	SHEETS
N/A	20 of 42
CONTRACT	PROJECT
R-43177	1901948

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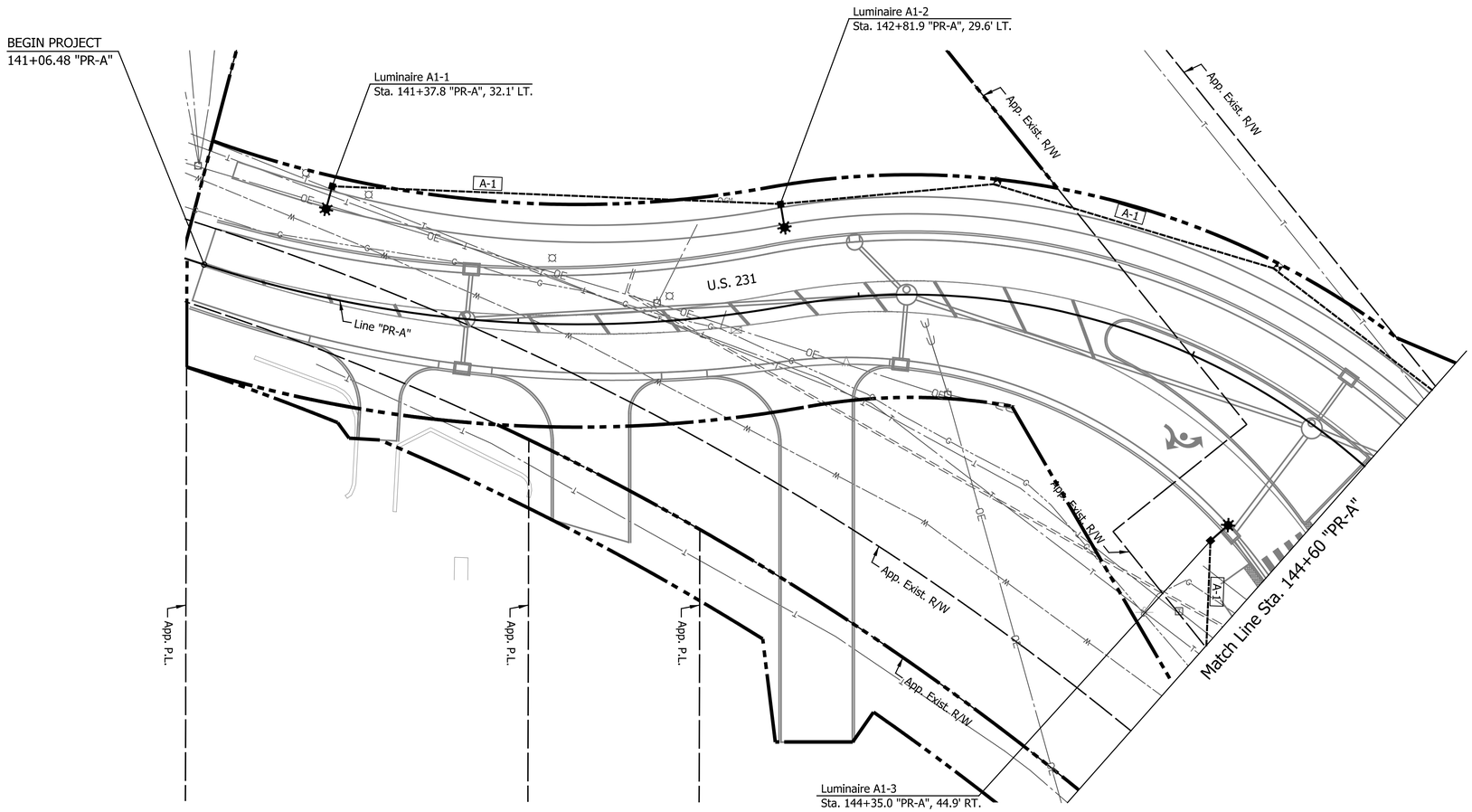

LEGEND

- Luminaire, 122W LED, Conventional Light Pole, 40' Mounting Height with Non-Breakaway base on Standard INDOT Foundation
- Luminaire, 82W LED, Conventional Light Pole, 40' Mounting Height with Non-Breakaway base on Standard INDOT Foundation
- 4-1C No. 4 CU Conductor in Plastic Duct in Trench
- 4-1C No. 4 CU Conductor in Plastic Duct in 2" Galvanized Steel Conduit
- A-1 — Lighting Circuit Number
- Service Point, Type II, 120/240V
- Lighting Handhole (Type as Shown)
- Cable Duct Marker

LUMINAIRE IDENTIFICATION

A1-1
- Luminaire Number
- Circuit Number

NOTE
Light Poles to be Painted AMS-STD-595 Color No. 17038, Black, see Special Provisions.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: MSS DRAWN: MSS

CHECKED: GMG CHECKED: GMG

INDIANA DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1901948
SURVEY BOOK	SHEETS
N/A	21 of 42
CONTRACT	PROJECT
R-43177	1901948

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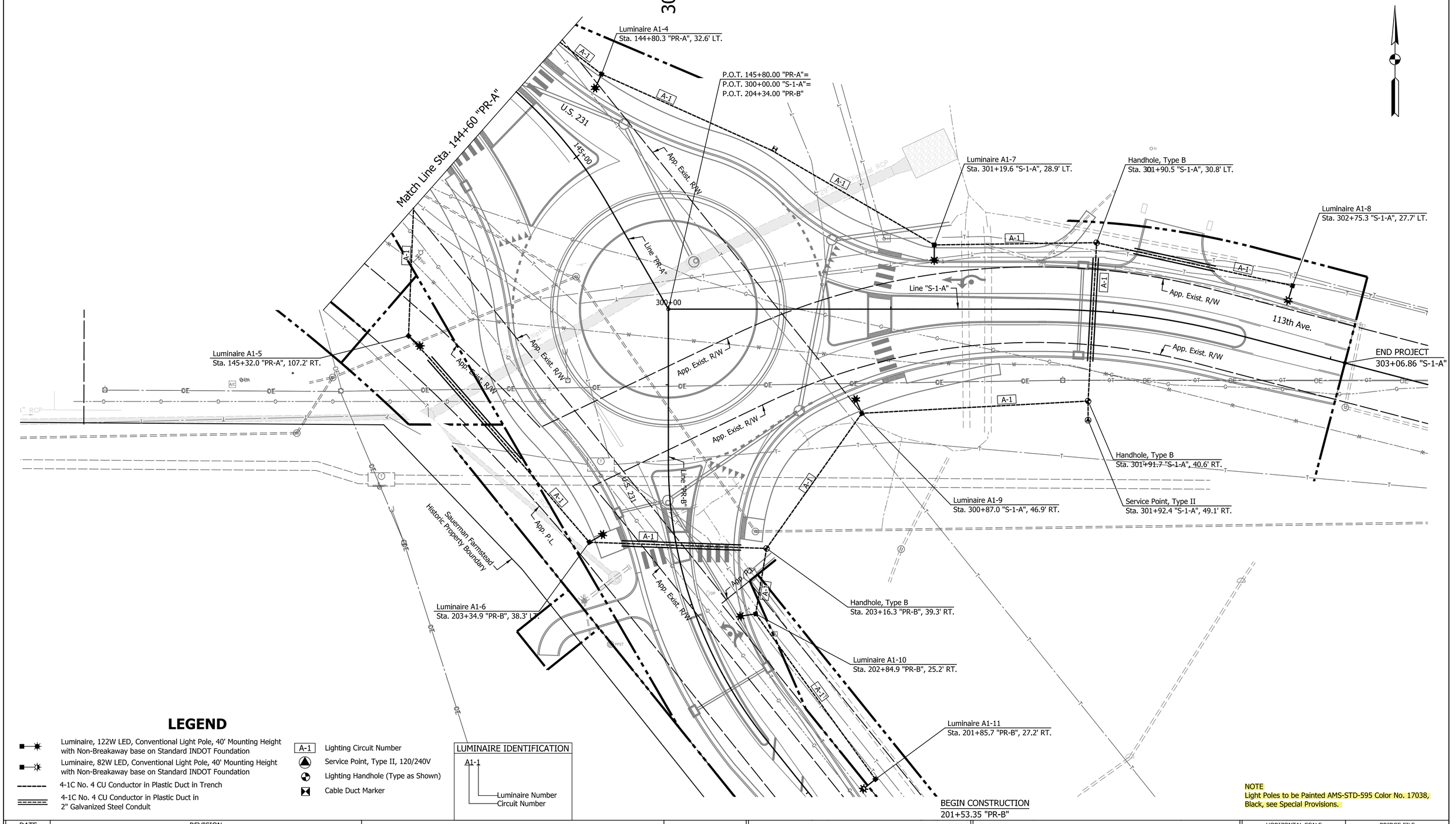

LEGEND

- Luminaire, 122W LED, Conventional Light Pole, 40' Mounting Height with Non-Breakaway base on Standard INDOT Foundation
- Luminaire, 82W LED, Conventional Light Pole, 40' Mounting Height with Non-Breakaway base on Standard INDOT Foundation
- 4-1C No. 4 CU Conductor in Plastic Duct in Trench
- 4-1C No. 4 CU Conductor in Plastic Duct in 2" Galvanized Steel Conduit
- A-1 Lighting Circuit Number
- Service Point, Type II, 120/240V
- Lighting Handhole (Type as Shown)
- Cable Duct Marker

LUMINAIRE IDENTIFICATION

A1-1
- Luminaire Number
- Circuit Number

NOTE
Light Poles to be Painted AMS-STD-595 Color No. 17038, Black, see Special Provisions.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: MSS DRAWN: MSS

CHECKED: GMG CHECKED: GMG

INDIANA DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1901948

SURVEY BOOK	SHEETS
N/A	22 of 42
CONTRACT	PROJECT
R-43177	1901948

Indy-dhf.dfcfg
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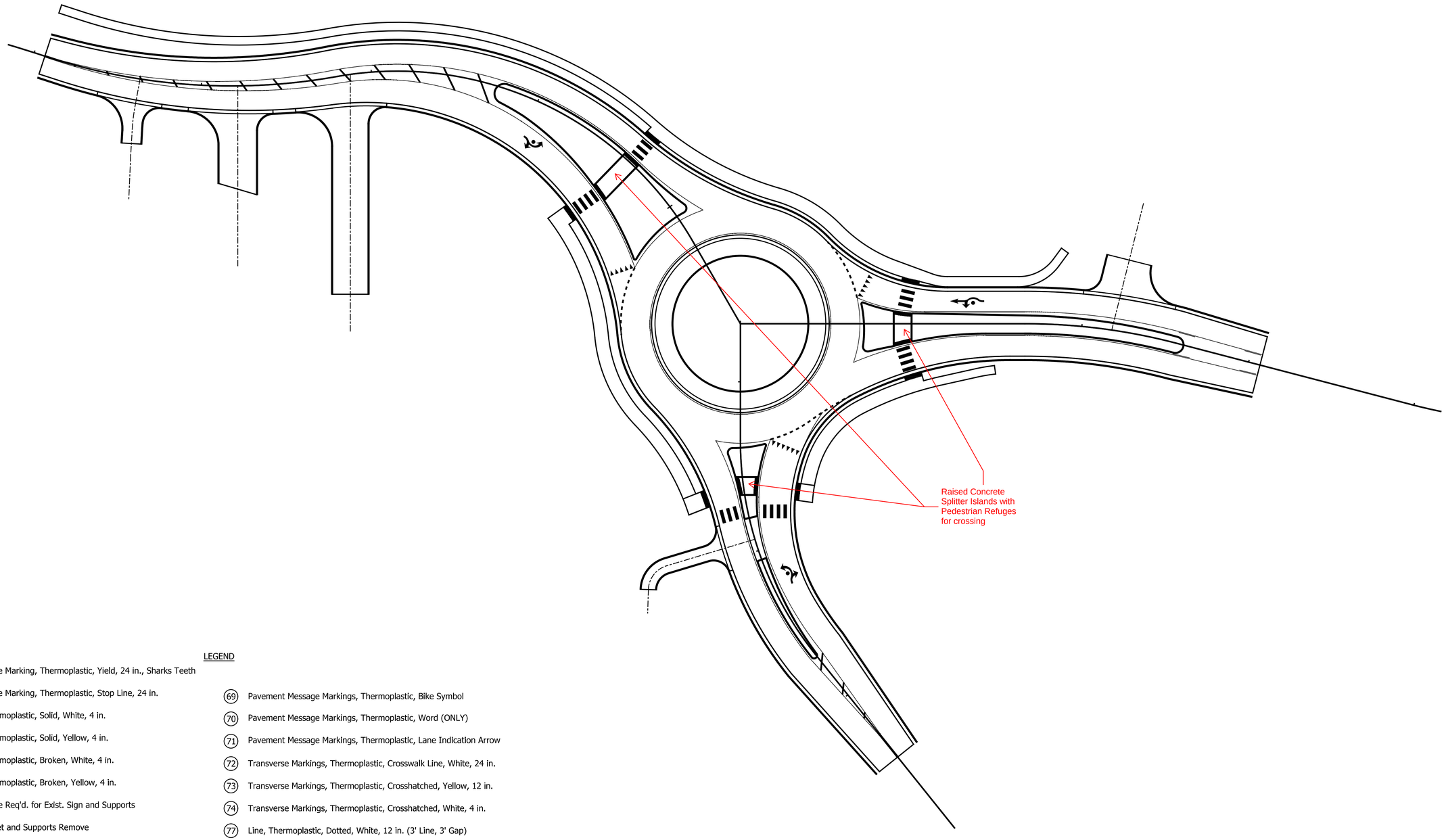

LEGEND

(43) Transverse Marking, Thermoplastic, Yield, 24 in., Sharks Teeth

(45) Transverse Marking, Thermoplastic, Stop Line, 24 in.

(46) Line, Thermoplastic, Solid, White, 4 in.

(47) Line, Thermoplastic, Solid, Yellow, 4 in.

(48) Line, Thermoplastic, Broken, White, 4 in.

(49) Line, Thermoplastic, Broken, Yellow, 4 in.

(50) No Change Req'd. for Exist. Sign and Supports

(56) Sign, Sheet and Supports Remove

(59) Existing Sheet Sign, Relocate (on New Supports)

(69) Pavement Message Markings, Thermoplastic, Bike Symbol

(70) Pavement Message Markings, Thermoplastic, Word (ONLY)

(71) Pavement Message Markings, Thermoplastic, Lane Indication Arrow

(72) Transverse Markings, Thermoplastic, Crosswalk Line, White, 24 in.

(73) Transverse Markings, Thermoplastic, Crosshatched, Yellow, 12 in.

(74) Transverse Markings, Thermoplastic, Crosshatched, White, 4 in.

(77) Line, Thermoplastic, Dotted, White, 12 in. (3' Line, 3' Gap)

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: RRB DRAWN: RRB

CHECKED: RGS CHECKED: RGS

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
1" = 30'	1901948
SURVEY BOOK	SHEETS
N/A	27 of 42
CONTRACT	PROJECT
R-43177	1901948

Indy-dhf.dfcfg
Indiana_Shade.tbl

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