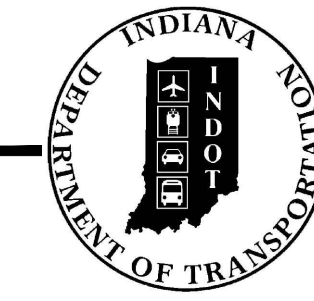


PROJECT	DESIGNATION
1802805	1802805
CONTRACT	BRIDGE FILE
N/A	N/A

INDIANA DEPARTMENT OF TRANSPORTATION

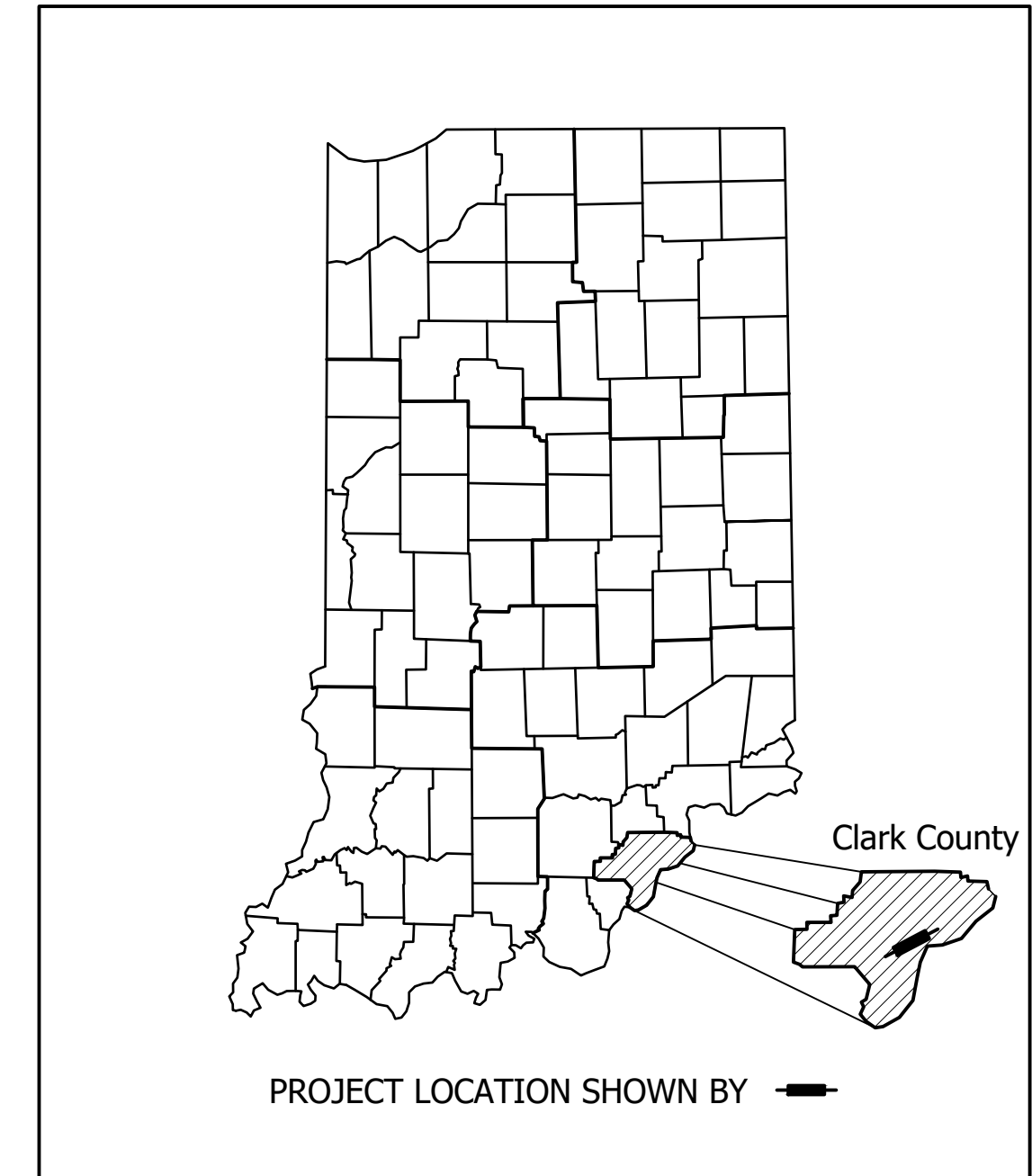


ROAD PLANS CR 403 AND STACY ROAD INTERSECTION IMPROVEMENT

PROJECT NO. 1802805 P.E.
1802805 R/W
1802805 CONST.

THE INTERSECTION OF CR 403 & STACY ROAD WILL BE RECONSTRUCTED.
THE PROJECT IS LOCATED IN SECTION 113, 114, 132 AND 133 CHARLESTOWN TOWNSHIP, CLARK COUNTY, INDIANA

TRAFFIC DATA	COUNTY ROAD 403	STACY ROAD
A.D.T. (2022)	12,943 V.P.D.	1,777 V.P.D.
A.D.T. (2042)	19,614 V.P.D.	2,693 V.P.D.
D.H.V. (2042)	984 V.P.H.	147 V.P.H.
DIRECTIONAL DISTRIBUTION	50%	50%
TRUCKS	5% A.A.D.T.	5% A.A.D.T.
DESIGN DATA		
DESIGN SPEED	50 M.P.H.	30 M.P.H.
PROJECT DESIGN CRITERIA	4R (NON-FREEWAY)	4R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	MINOR ARTERIAL	LOCAL ROAD/LOCAL STREET
RURAL/URBAN	URBAN (SUBURBAN)	URBAN (SUBURBAN)
TERRAIN	LEVEL	LEVEL
ACCESS CONTROL	NONE	NONE



LATITUDE: 38°25'34.43"N LONGITUDE: -85°43'10.26"W

Gross Length: 0.170 MI.
Net Length: 0.170 MI.
Max Grade: 2.63 %

CLARK COUNTY BOARD OF COMMISSIONERS

APPROVED:

JACK COFFMAN, PRESIDENT _____ DATE

CONNIE SELLERS, MEMBER _____ DATE

BRYAN GLOVER, MEMBER _____ DATE

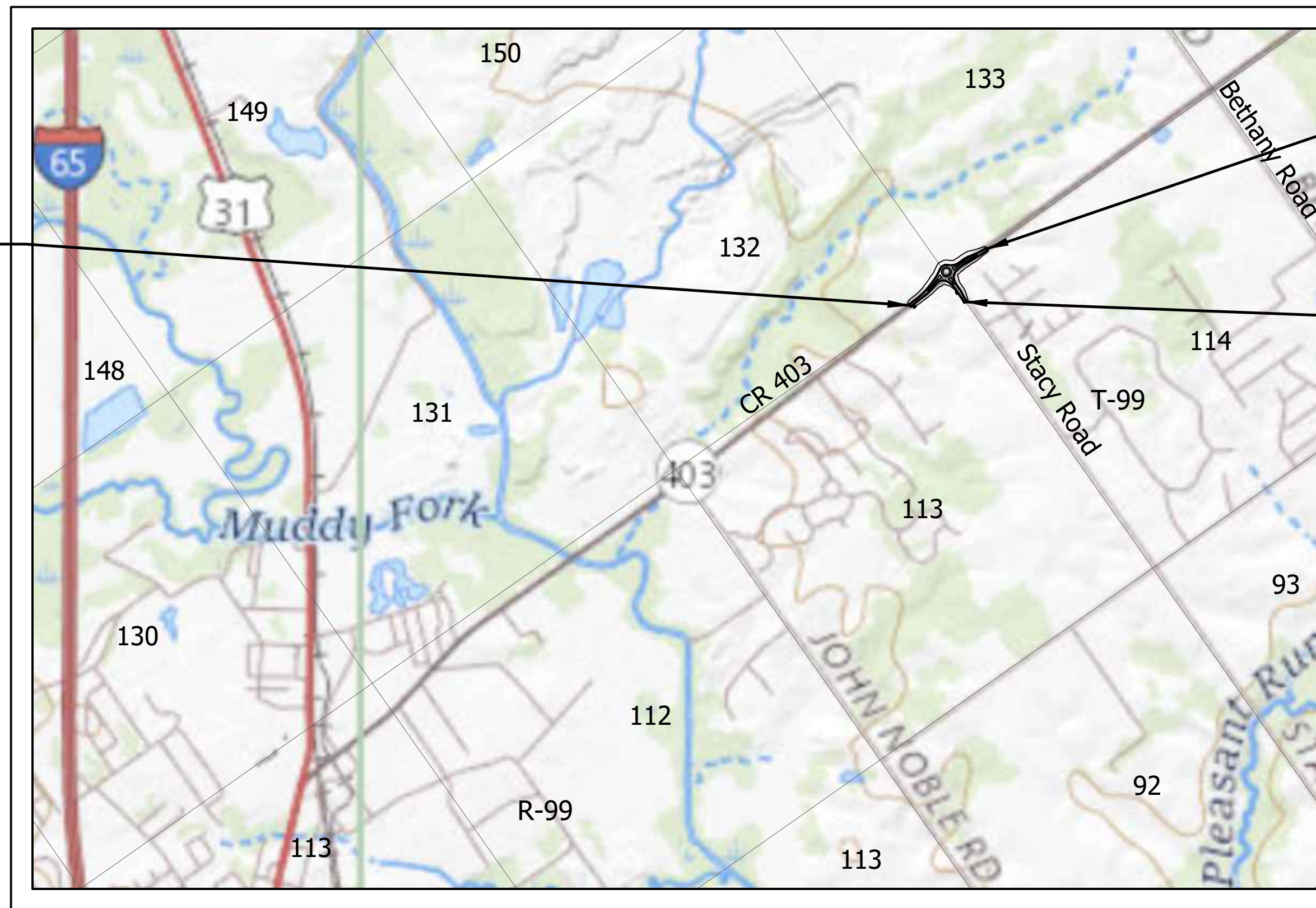
COUNTY ENGINEER

BRIAN DIXON, P.E. _____ DATE

BEGIN PROJECT
STA. 10+20.00 "PR-B"

END PROJECT
STA. 19+18.52 "PR-B"

BEGIN CONSTRUCTION
STA. 10+50.00 "PR-S-1-B"



LOCATION MAP
CLARK COUNTY

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



8440 Allison Pointe Boulevard, Suite 200
Indianapolis, IN 46250
Phone 317-895-2585
www.ucindy.com

PLANS PREPARED BY:	UNITED CONSULTING	(317) 895-2585
		PHONE NUMBER
CERTIFIED BY:		DATE
APPROVED FOR LETTING:	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

BRIDGE FILE	
N/A	
DESIGNATION	
1802805	
SURVEY BOOK	SHEETS
N/A	1 of 34
CONTRACT	PROJECT
N/A	1802805

UTILITIES

COMMUNICATIONS: AT&T INDIANA 240 N. MERIDIAN STREET, ROOM 1791 INDIANAPOLIS, IN 46204 MATT SPINDLER MS4822@ATT.COM (317)265-3050
COMMUNICATIONS: CHARTER COMMUNICATIONS 10168 LINN STATION ROAD, SUITE 120 LOUISVILLE, KY 40233 KEVIN MERCER KEVIN.MERCER@CHARTER.COM (502)357-4318
WATER: INDIANA AMERICAN WATER 153 NORTH EMERSON AVENUE GREENWOOD, IN 46143 REBECCA ASHACK REBECCA.ASHACK@AMWATER.COM (317)885-2405
SEWER: JEFFERSONVILLE WASTERWATER & SEWER 423 LEWMAN WAY JEFFERSONVILLE, IN 47130 LEN ASHACK LASHACK@CITYOFJEFF.NET (812)280-3880
GAS: CENTER POINT ENERGY (VECTREN) 1800 WEST 26TH STREET MUNCIE, IN 47302 SHELBY WILLIAMS SHELBY WILLIAMS@CENTERPOINTENERGY.COM (812)491-5923
ELECTRIC: CLARK COUNTY REMC 7810 STATE ROAD 60 SELLERSBURG, IN 47172 GINNY DAVIDSON CCREMC@THEREMC.NET (812)246-3316
PUBLIC WORKS: CITY OF CHARLESTOWN 304 MAIN CROSS STREET CHARLESTOWN, IN 47111 JENNY WORKS CITYHALLADMIN@CITYOFCHARLESTOWN.COM (812)256-2427

GENERAL NOTES

Table with 2 columns: SHEET NO., DESCRIPTION

INDEX

Table with 2 columns: SHEET NO., DESCRIPTION

REVISIONS

Table with 3 columns: SHEET NO., DATE, REVISION



CALL TWO WORKING DAYS BEFORE YOU DIG Call 811 or 800-382-5544



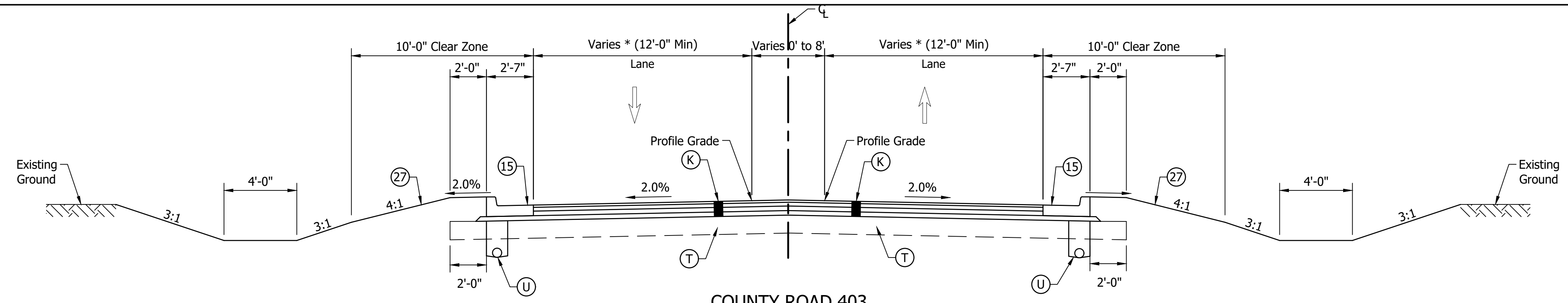
8440 Allison Pointe Boulevard, Suite 200 Indianapolis, IN 46250 Phone 317-895-2585 www.ucindy.com

RECOMMENDED FOR APPROVAL DESIGN ENGINEER DATE
DESIGNED: ESH DRAWN: VAD
CHECKED: JEL CHECKED: ESH

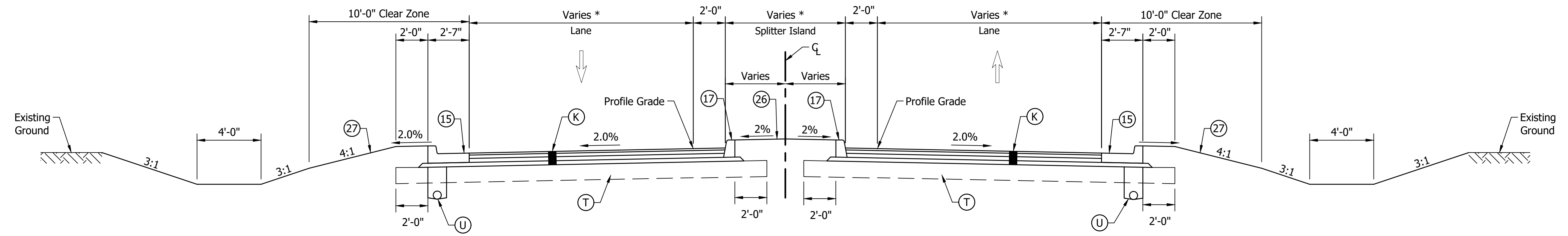
INDIANA DEPARTMENT OF TRANSPORTATION

INDEX & GENERAL NOTES

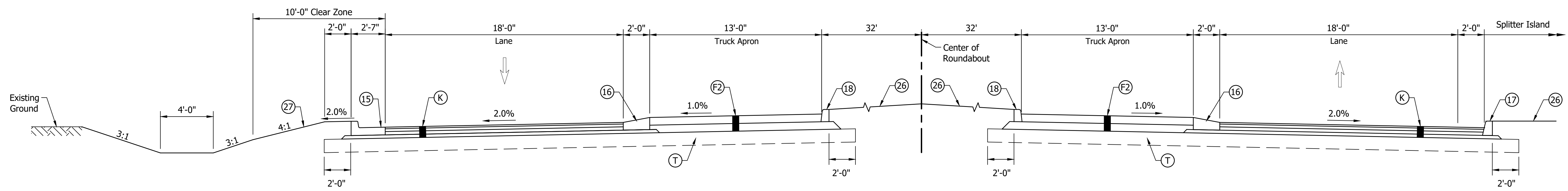
Table with 2 columns: HORIZONTAL SCALE, BRIDGE FILE, VERTICAL SCALE, DESIGNATION, SURVEY BOOK, SHEETS, CONTRACT, PROJECT



COUNTY ROAD 403
 10+20.00 "PR-B" to 12+35.79 "PR-B"
 18+11.61 "PR-B" to 19+18.52 "PR-B"
 *See Geometric Details for Additional Information



COUNTY ROAD 403
 12+35.79 "PR-B" to 14+17.39 "PR-B"
 15+72.45 "PR-B" to 18+11.61 "PR-B"
 *See Geometric Details for Additional Information



ROUNDABOUT
 14+17.39 "PR-B" to 15+72.45 "PR-B"
 *See Geometric Details for Additional Information

- (F2) Truck Apron, consisting of:
 7" PCCP, on
 7" Compacted Aggregate, No. 53
 (15' Maximum Joint Spacing with 1" Dowel Bars)
- (K) Full Depth HMA, consisting of:
 165 #/Sys QC/QA-HMA, 3, 76, Surface, 9.5 mm on
 275 #/Sys QC/QA-HMA, 3, 76, Intermediate, 19.0 mm on
 330 #/Sys QC/QA-HMA, 3, 64, Base, 19.0 mm on
 300 #/Sys QC/QA-HMA, 4, 76, Intermediate, OG, 19.0 mm
- (15) Curb & Gutter, Concrete, Modified
- (16) Curb & Gutter, B, Concrete, Modified
- (17) Curb, Concrete, Modified
- (18) Curb, Integral, Concrete
- (20) Center Curb, D, Concrete
- (26) Nursery Sodding
- (27) Seed Mixture, U
- (T) Subgrade Treatment
- (U) 6" Underdrain

File Name: P:\RD\CD\19-408_Story for Roundabout\Road\Draw\Plans\Typicals.dwg Plot Date: 3/13/2023 Plotted By: Eric Harmed



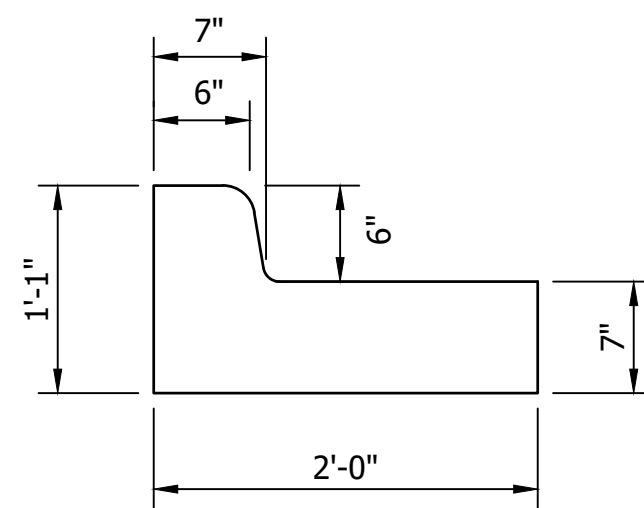
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 Indianapolis, IN 46250
 Phone 317-895-2585
 www.ucindy.com

RECOMMENDED FOR APPROVAL _____	
DESIGNED: ESH	DRAWN: VAD
CHECKED: JEL	CHECKED: ESH

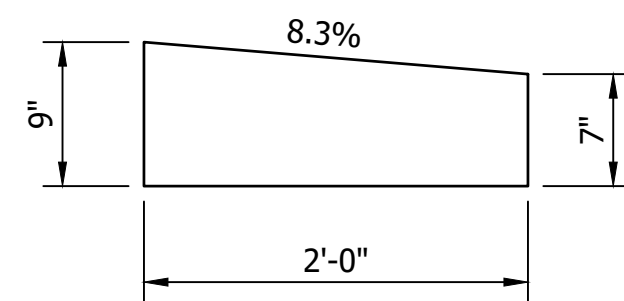
INDIANA
 DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

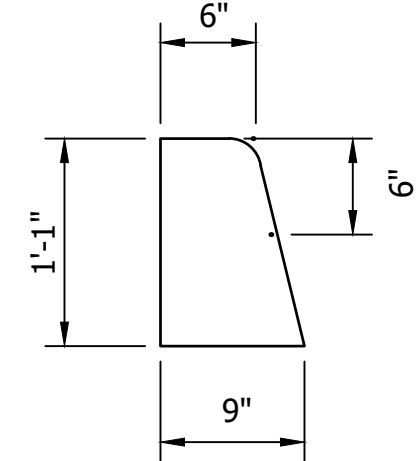
HORIZONTAL SCALE	BRIDGE FILE
1" = 4'	N/A
VERTICAL SCALE	DESIGNATION
NA	1802805
SURVEY BOOK	SHEETS
N/A	3 of 34
CONTRACT	PROJECT
N/A	1802805



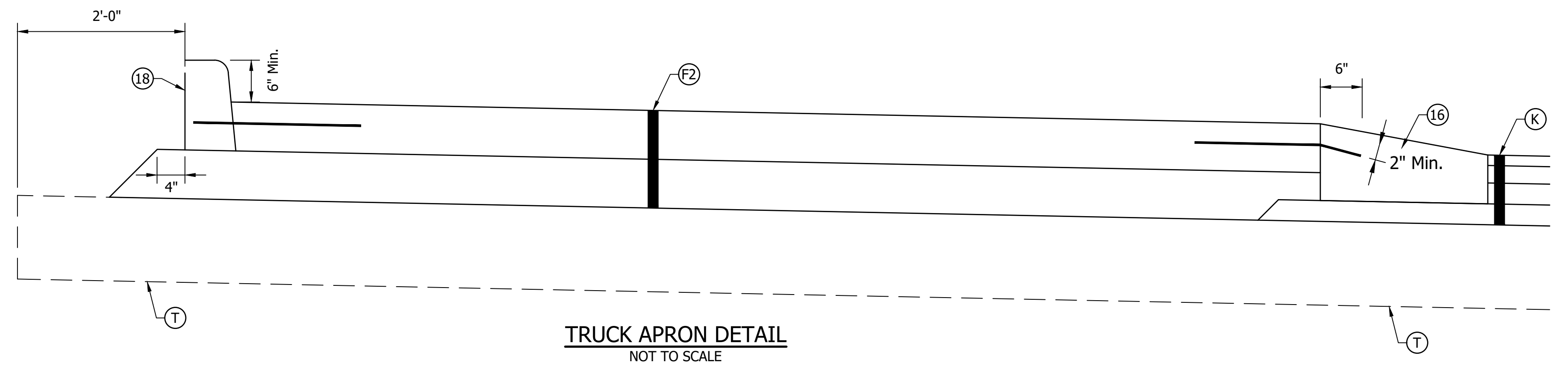
15
**CURB & GUTTER,
CONCRETE, MODIFIED**
NOT TO SCALE



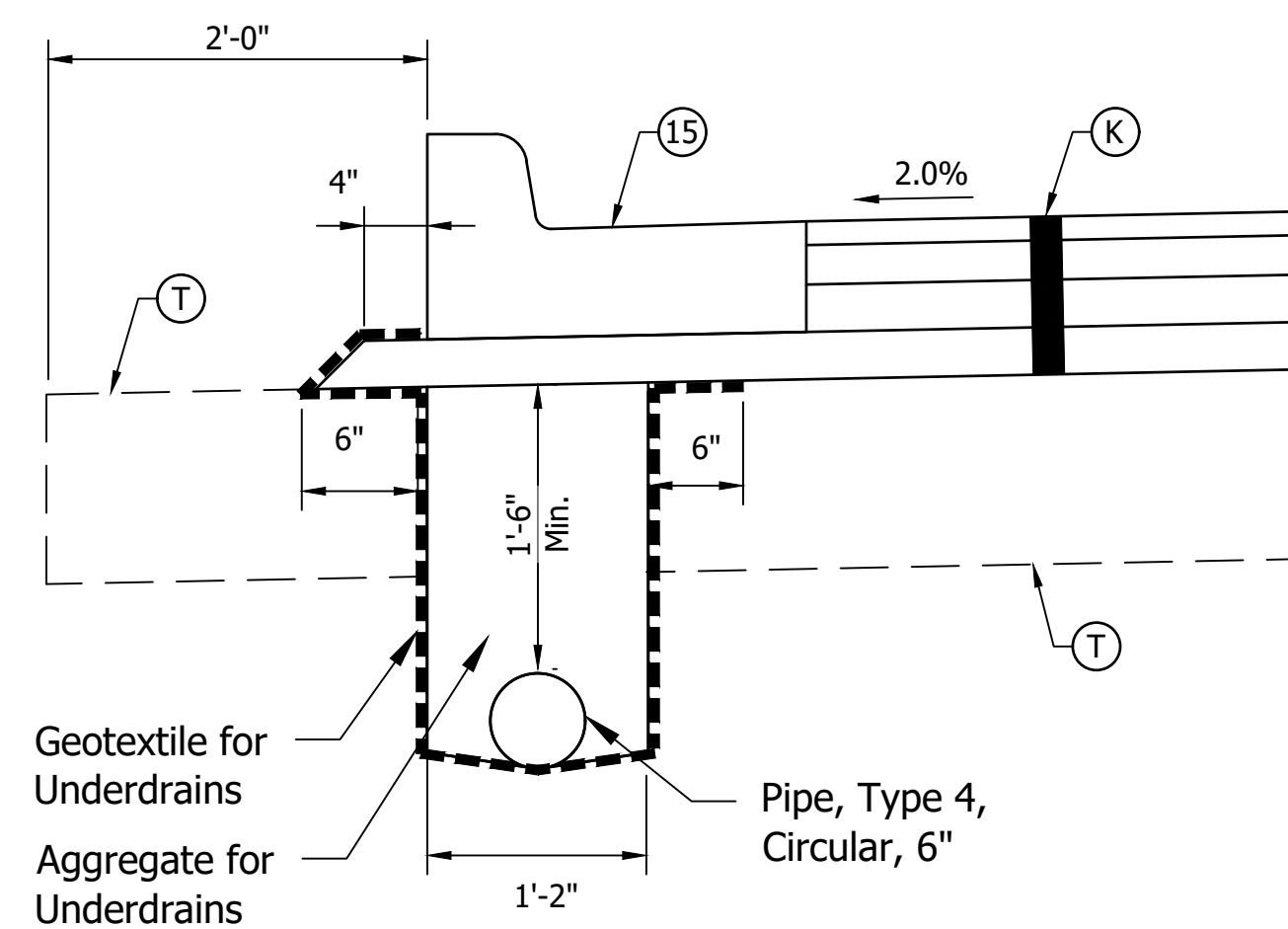
16
**CURB & GUTTER,
ROLL CURB**
NOT TO SCALE



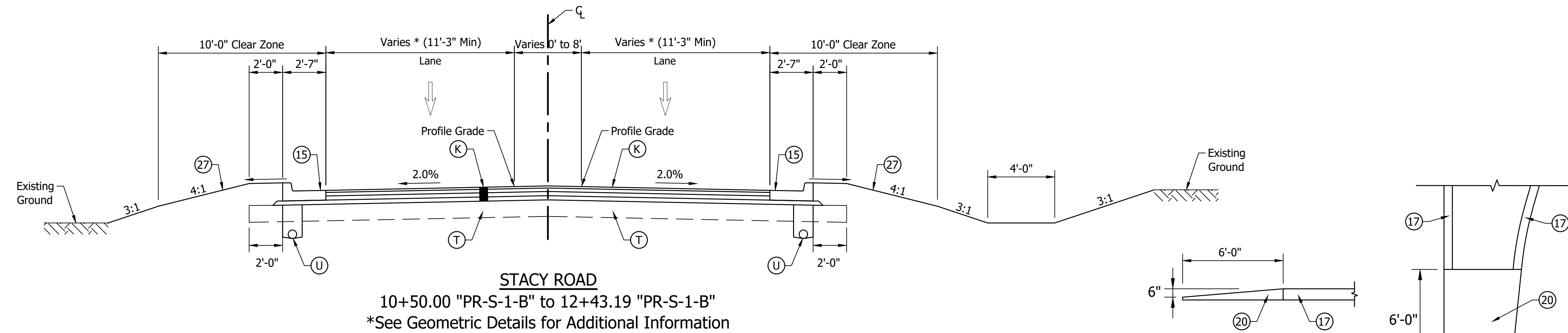
17
**CURB, CONCRETE,
MODIFIED**
NOT TO SCALE



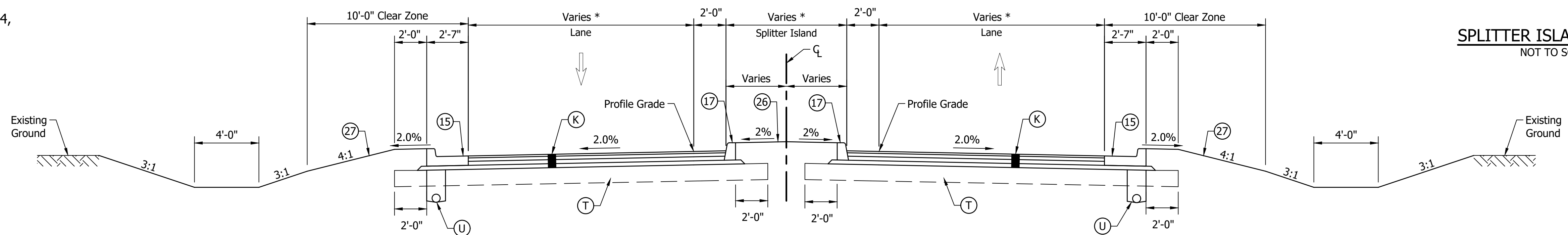
TRUCK APRON DETAIL
NOT TO SCALE



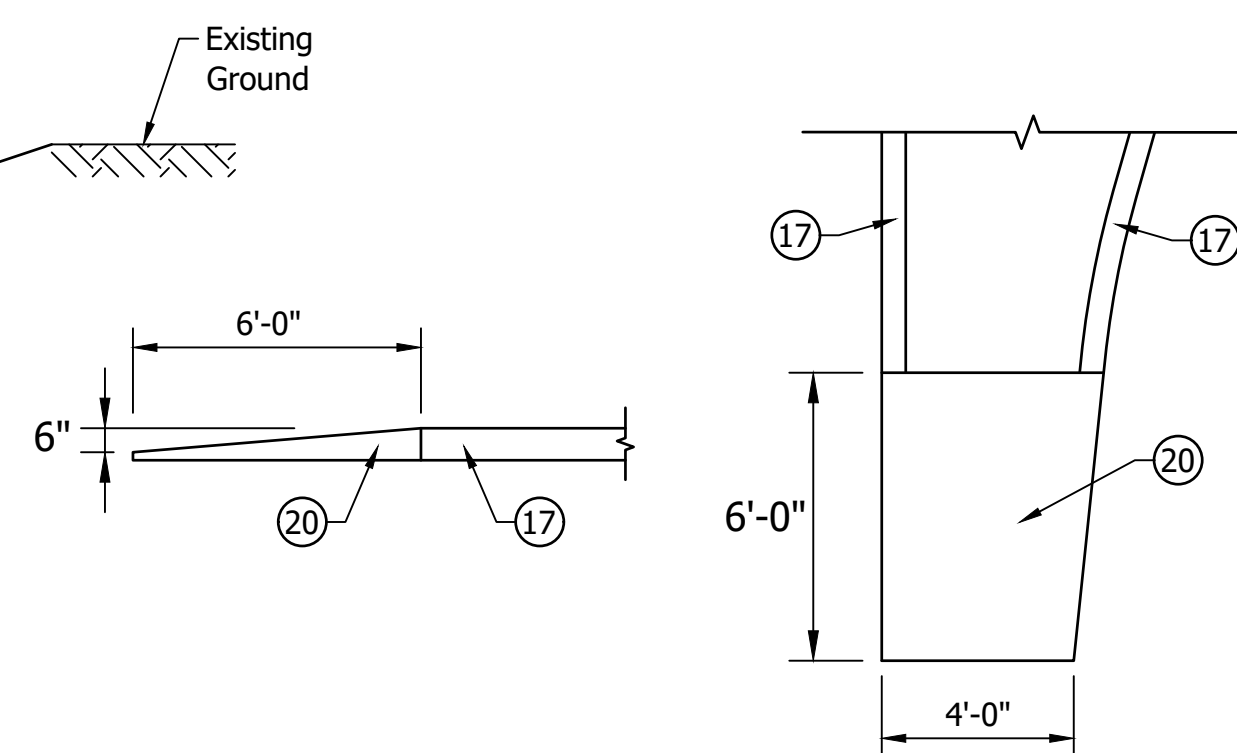
UNDERDRAIN DETAIL
NOT TO SCALE



STACY ROAD
10+50.00 "PR-S-1-B" to 12+43.19 "PR-S-1-B"
*See Geometric Details for Additional Information



STACY ROAD
12+43.19 "PR-S-1-B" to 13+15.00 "PR-S-1-B"
*See Geometric Details for Additional Information



SPLITTER ISLAND DETAIL
NOT TO SCALE

(F2) Truck Apron, consisting of:
7" PCCP, on
7" Compacted Aggregate, No. 53
(15' Maximum Joint Spacing with 1" Dowel Bars)

(K) Full Depth HMA, consisting of:
165 #/Sys QC/QA-HMA, 3, 76, Surface, 9.5 mm on
275 #/Sys QC/QA-HMA, 3, 76, Intermediate, 19.0 mm on
330 #/Sys QC/QA-HMA, 3, 64, Base, 19.0 mm on
300 #/Sys QC/QA-HMA, 4, 76, Intermediate, OG, 19.0 mm

(15) Curb & Gutter, Concrete, Modified

(16) Curb & Gutter, Roll Curb

(17) Curb, Concrete, Modified

(18) Curb, Integral, Concrete

(20) Center Curb, D, Concrete

(26) Nursery Sodding

(27) Seed Mixture, U

(T) Subgrade Treatment

(U) 6" Underdrain

File Name: P:\RD\CD\19-408 Stacy Rd Roundabout\Road\Drawings\Typicals.dwg Plot Date: 3/13/2023 Plotted By: Eric Harmed



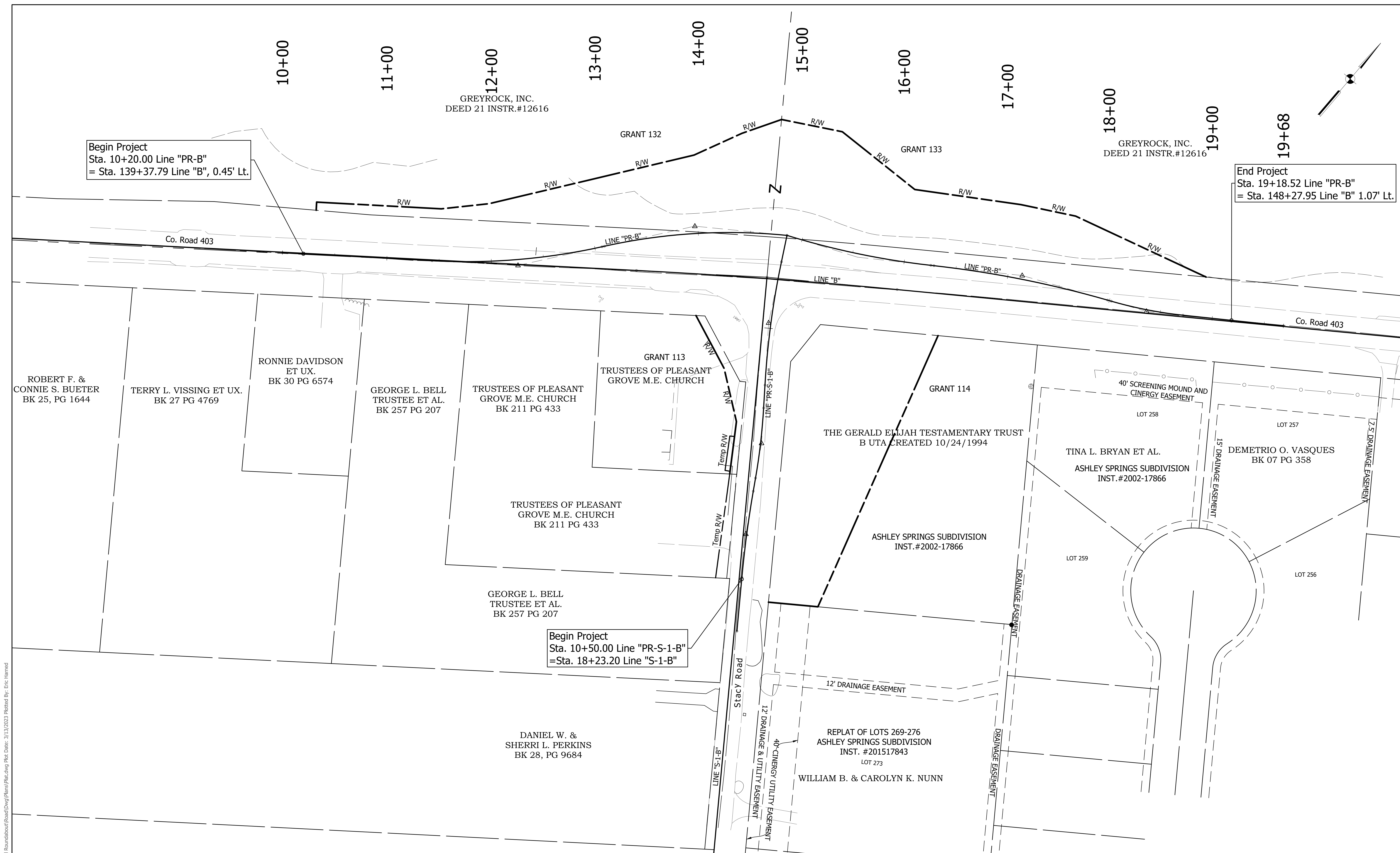
8440 Allison Pointe Boulevard, Suite 200
Indianapolis, IN 46250
Phone 317-895-2585
www.ucindy.com

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____	
DESIGNED: ESH	DRAWN: VAD		
CHECKED: JEL	CHECKED: ESH		

INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1" = 4'	N/A
VERTICAL SCALE	DESIGNATION
NA	1802805
SURVEY BOOK	SHEETS
N/A	4 of 34
CONTRACT	PROJECT
N/A	1802805



Begin Project
Sta. 10+20.00 Line "PR-B"
= Sta. 139+37.79 Line "B", 0.45' Lt.

End Project
Sta. 19+18.52 Line "PR-B"
= Sta. 148+27.95 Line "B" 1.07' Lt.

Begin Project
Sta. 10+50.00 Line "PR-S-1-B"
= Sta. 18+23.20 Line "S-1-B"

File Name: P:\RD\CD\09-408 Stacy Rd Roundabout\Road\Draw\Plans\Plan.dwg Plot Date: 2/12/2023 Plotted By: Eric Hamed



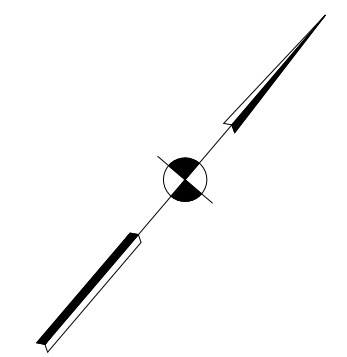
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RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____	
DESIGNED: ESH	DRAWN: VAD		
CHECKED: JEL	CHECKED: ESH		

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAT NO. 1

HORIZONTAL SCALE 1" = 40'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 40'	DESIGNATION 1802805
SURVEY BOOK N/A	SHEETS 5 of 34
CONTRACT N/A	PROJECT 1802805



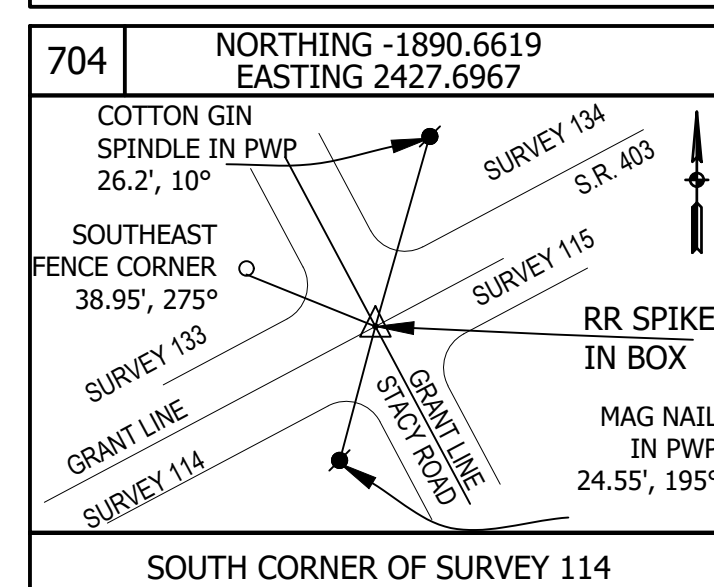
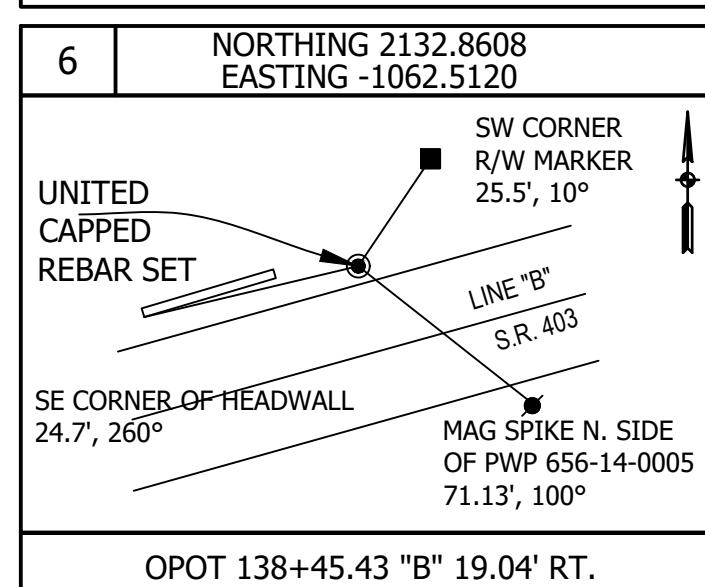
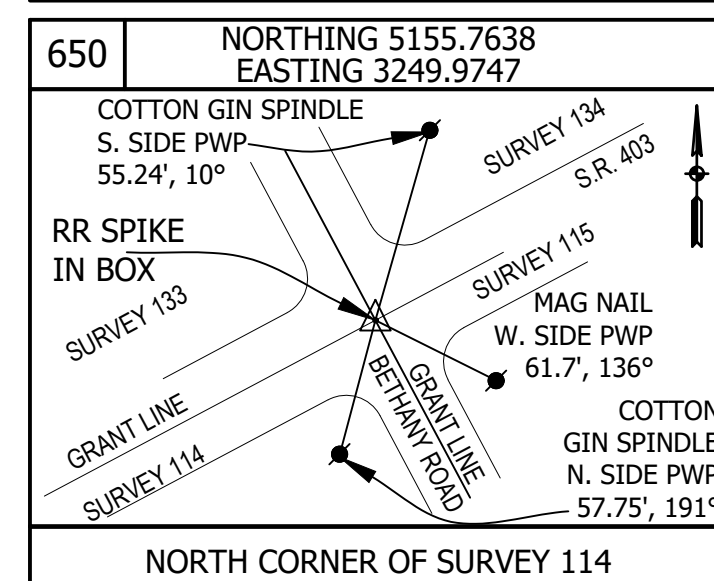
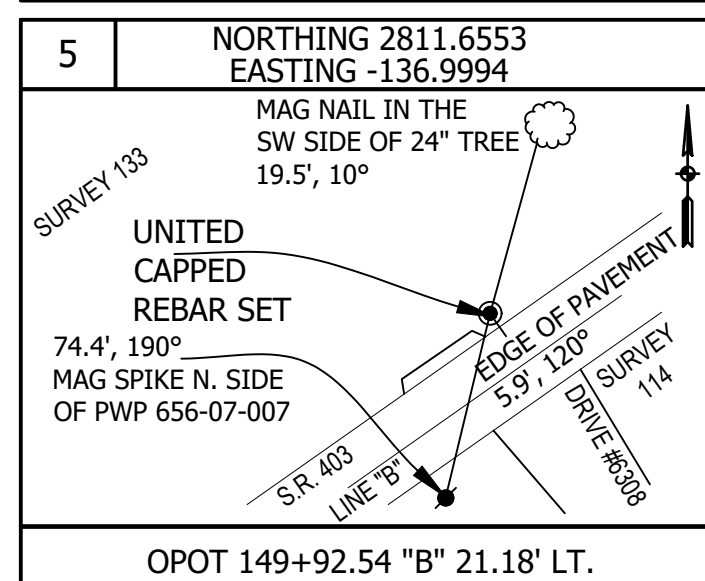
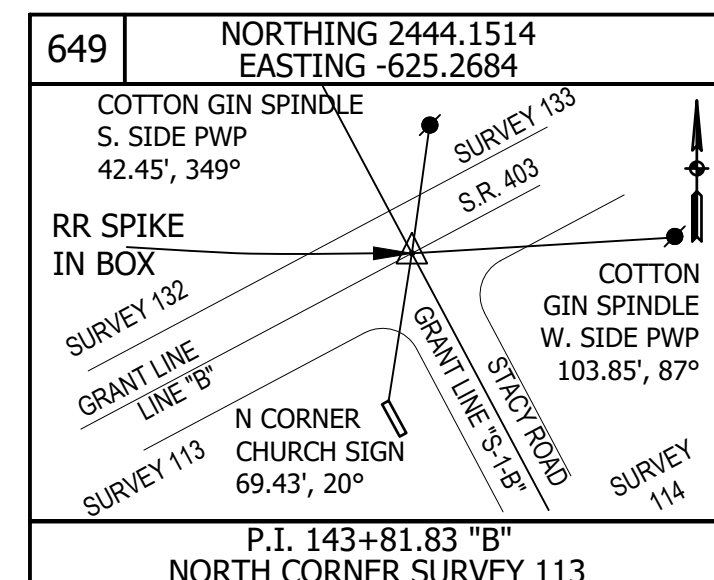
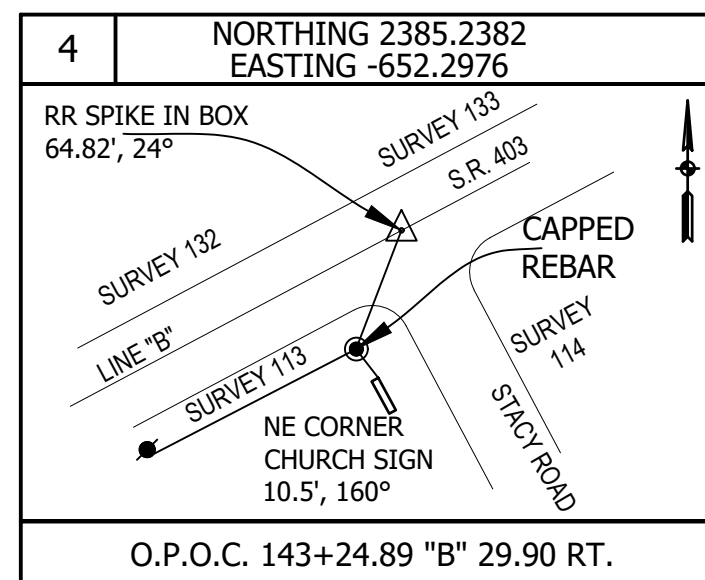
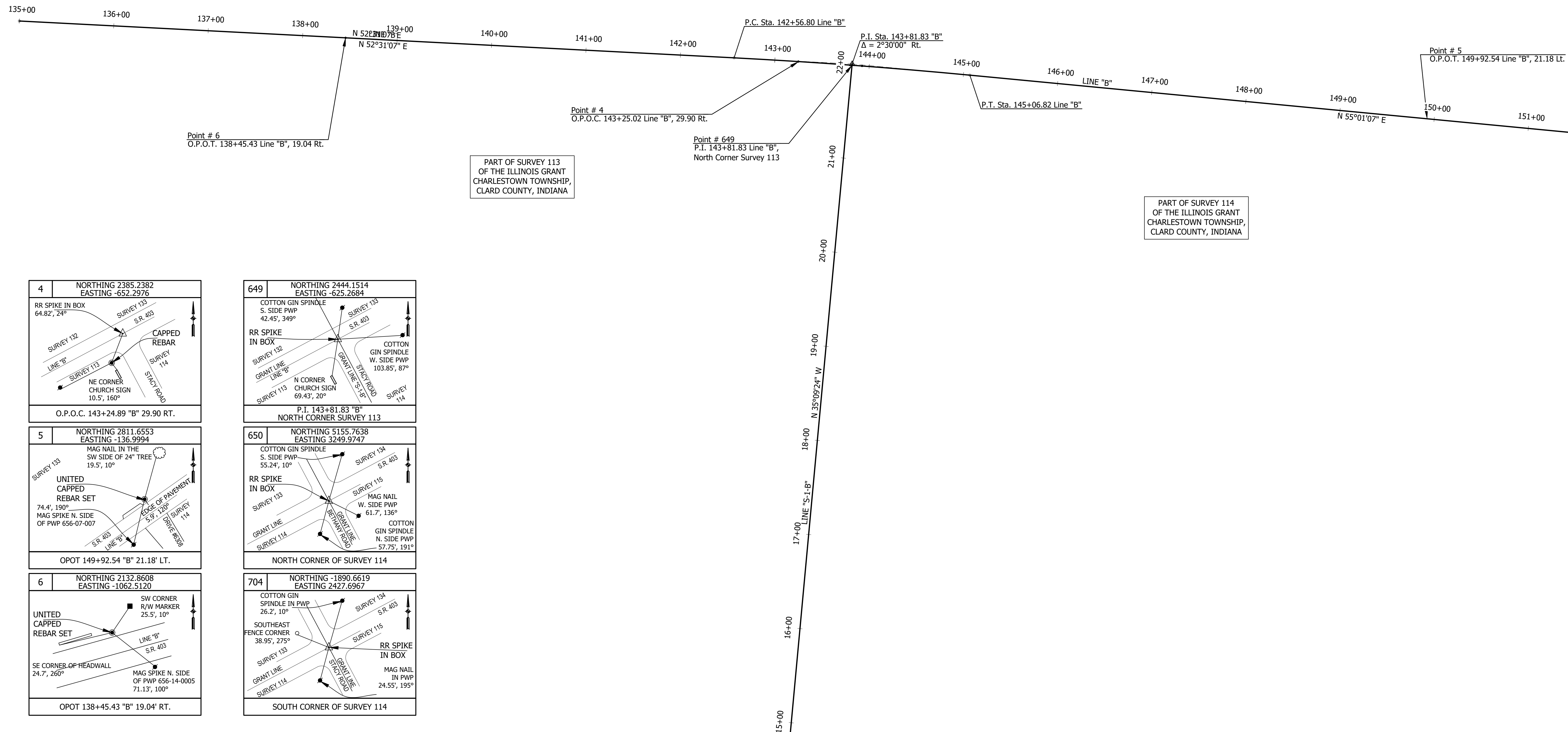
PART OF SURVEY 132
OF THE ILLINOIS GRANT
CHARLESTOWN TOWNSHIP,
CLARK COUNTY, INDIANA

CURVE DATA
P.I. Sta 143+81.83 Line "B"
Delta = 2°30'00" Rt.
R = 5730.04'
T = 125.03'
L = 250.02'
E = 1.36'
SE = NC

PART OF SURVEY 133
OF THE ILLINOIS GRANT
CHARLESTOWN TOWNSHIP,
CLARK COUNTY, INDIANA

PART OF SURVEY 113
OF THE ILLINOIS GRANT
CHARLESTOWN TOWNSHIP,
CLARK COUNTY, INDIANA

PART OF SURVEY 114
OF THE ILLINOIS GRANT
CHARLESTOWN TOWNSHIP,
CLARK COUNTY, INDIANA



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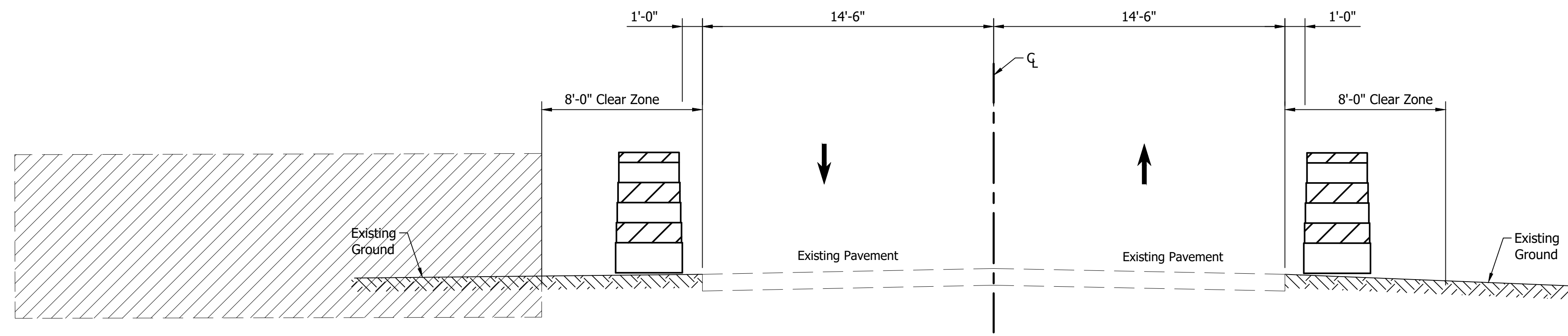
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ESH	DRAWN: VAD	
CHECKED: JEL	CHECKED: ESH	

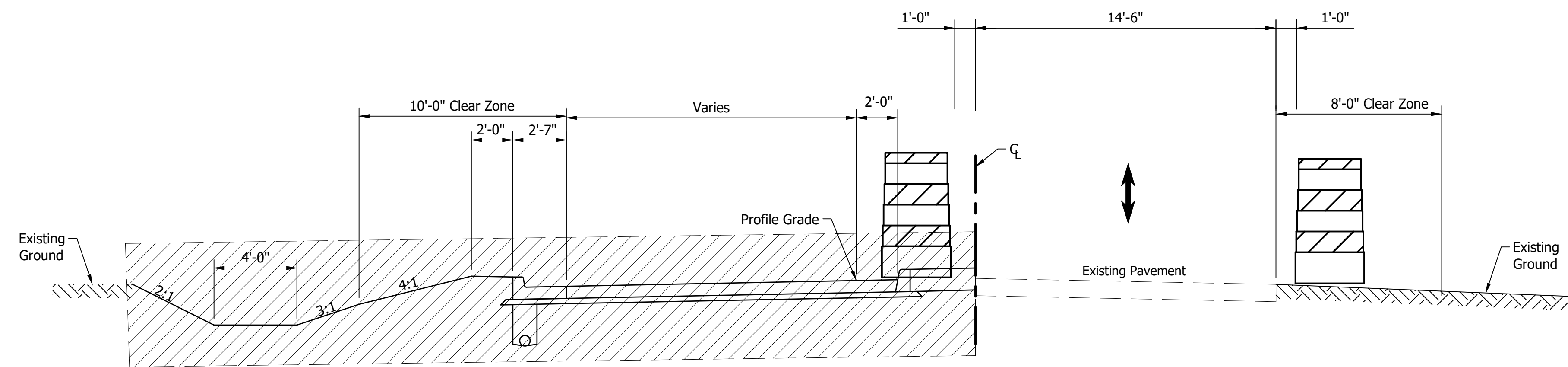
INDIANA
DEPARTMENT OF TRANSPORTATION

SURVEY CONTROL

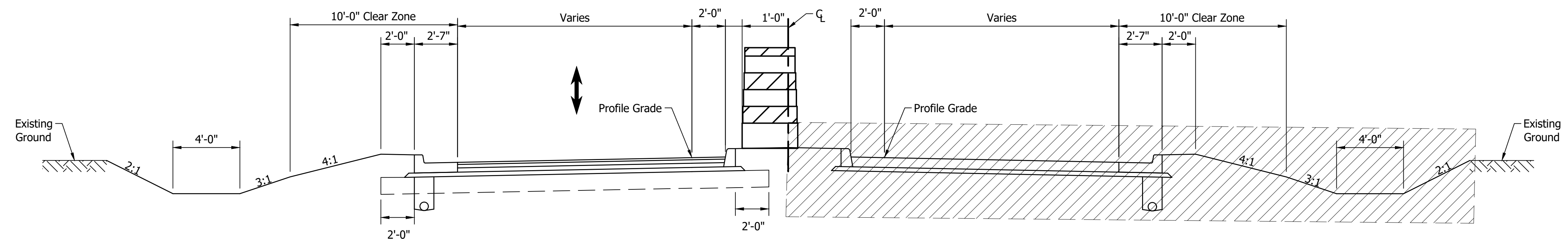
HORIZONTAL SCALE	BRIDGE FILE
AS SHOWN	N/A
VERTICAL SCALE	DESIGNATION
N/A	1802805
SURVEY BOOK	SHEETS
N/A	6 of 34
CONTRACT	PROJECT
N/A	1802805



PHASE 1
TYPICAL SECTION - CR 403
10+20.00 "PR-B" to 19+18.52 "PR-B"





PHASE 2
TYPICAL SECTION - CR 403
10+20.00 "PR-B" to 19+18.52 "PR-B"



PHASE 3
TYPICAL SECTION - CR 403
10+20.00 "PR-B" to 19+18.52 "PR-B"

LEGEND

 Standard Drum

 Area To Be Constructed

File Name: P:\RD\CD\19-408-Story for Roundabout\Road\Drawings\Plans\TOT Typical.dwg Plot Date: 3/13/2023 Plotted By: Eric Hamrad



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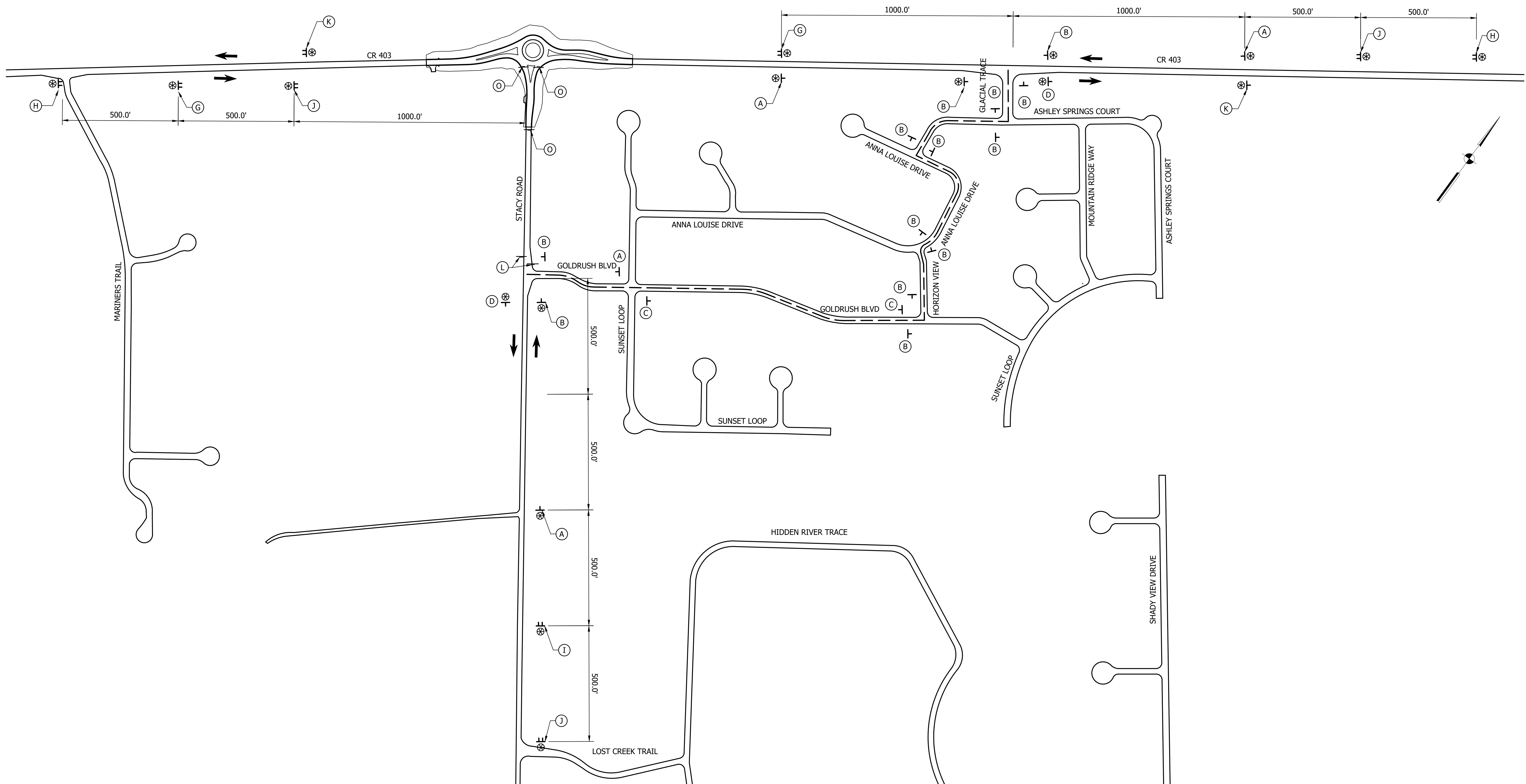
RECOMMENDED FOR APPROVAL _____	
DESIGNED: ESH	DRAWN: VAD
CHECKED: JEL	CHECKED: ESH

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1" = 4'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1802805
SURVEY BOOK	SHEETS
N/A	7 of 34
CONTRACT	PROJECT
N/A	1802805

File Name: P:\RD\CD\19-488 Stacy for Roundabout\Road\Draw\Plans\NOT Detour.dwg Plot Date: 3/13/2023 Plotted By: Eric Hammed



WORKSITE

SPEED LIMIT 45
XG20-5P (24" X 30")
R2-1 (24" X 30")
G

ROAD WORK AHEAD
H

ROAD CLOSED AHEAD
XW20-1 (36" X 36") W13-1P (24" X 24")
XW20-3 (36" X 36")
I

DETOUR AHEAD
XW20-2 (36" X 36")
J

END ROAD WORK
G20-2 (36" X 18")
K

ROAD CLOSED TO THRU TRAFFIC
R 11-4 (60" X 30") XM 4-10 (R) (48" X 48")
L

ROAD CLOSED
R 11-2 (48" X 30")
O

LEGEND

- TT Construction Sign & Supports, Type A, B, or C
- T Detour Route Marker Assembly Sign
- ⊗ Type "A" Construction Warning Light
- Type III-A Barricade
- ← Direction of Traffic
- A Advance Turn Detour Route Marker Assembly
- B Directional Detour Route Marker Assembly
- C Confirming Detour Route Marker Assembly
- D End Detour Route Marker Assembly

NOTE:
CONSTRUCTION ZONE SPEED LIMIT = 45 MPH
CONSTRUCTION CLEAR ZONE = 8 FT

UNITED Consulting

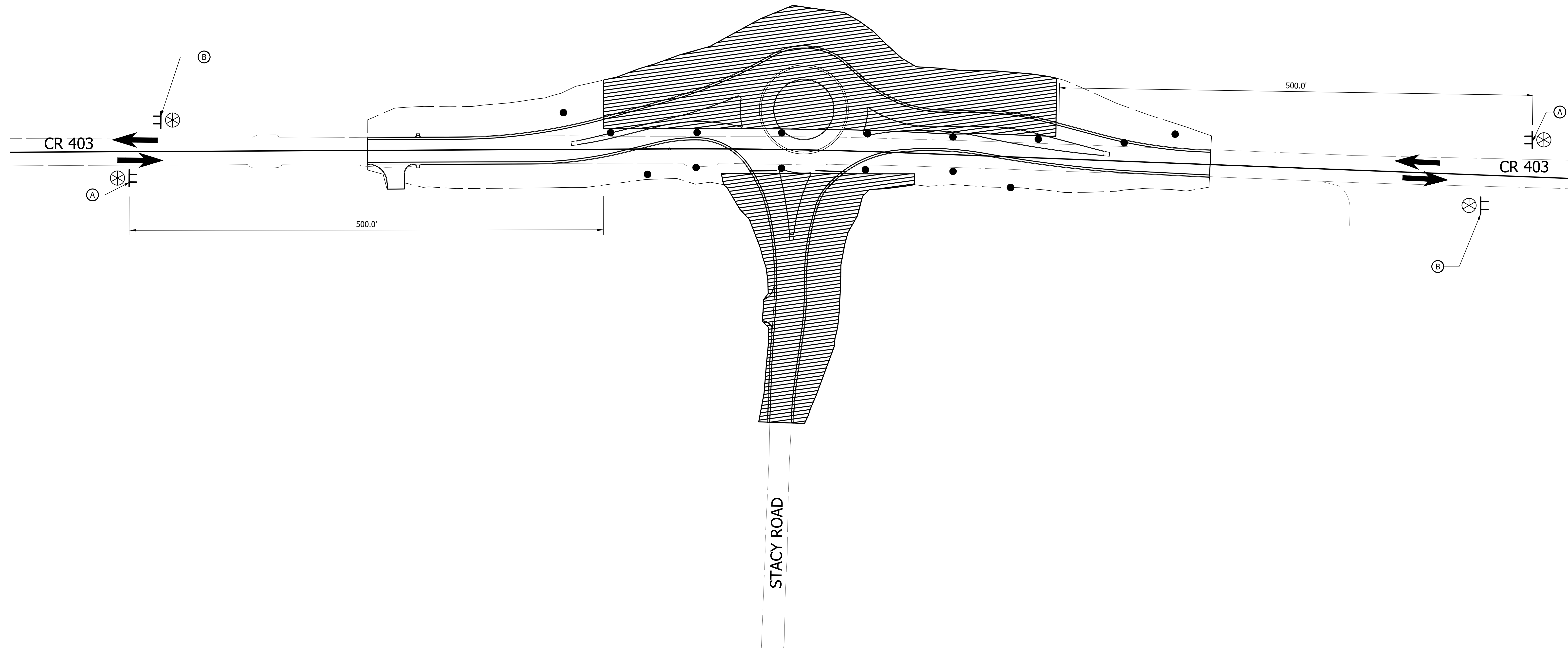
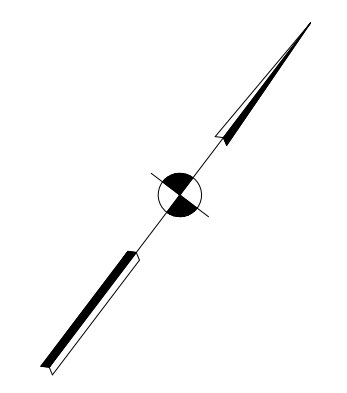
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Indianapolis, IN 46250
Phone 317-895-2585
www.ucindy.com

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ESH	DRAWN: VAD	
CHECKED: JEL	CHECKED: ESH	

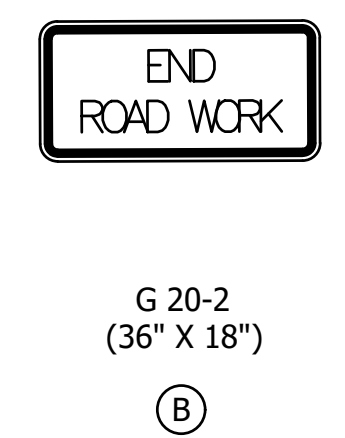
INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
DETOUR ROUTE

HORIZONTAL SCALE	BRIDGE FILE
1" = 200'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1802805
SURVEY BOOK	SHEETS
N/A	8 of 34
CONTRACT	PROJECT
N/A	1802805



LEGEND



- F Construction Sign, Type A, B, or C
- ⊗ Type "A" Construction Warning Light
- Type III-A Barricade
- Standard Drum
- ← Direction of Traffic

File Name: P:\RD\CSD\19-408 Stacy Rd Roundabout\Road\Draw\Plans\Maintenance of Traffic.dwg Plot Date: 3/13/2023 Plotted By: Eric Hamel



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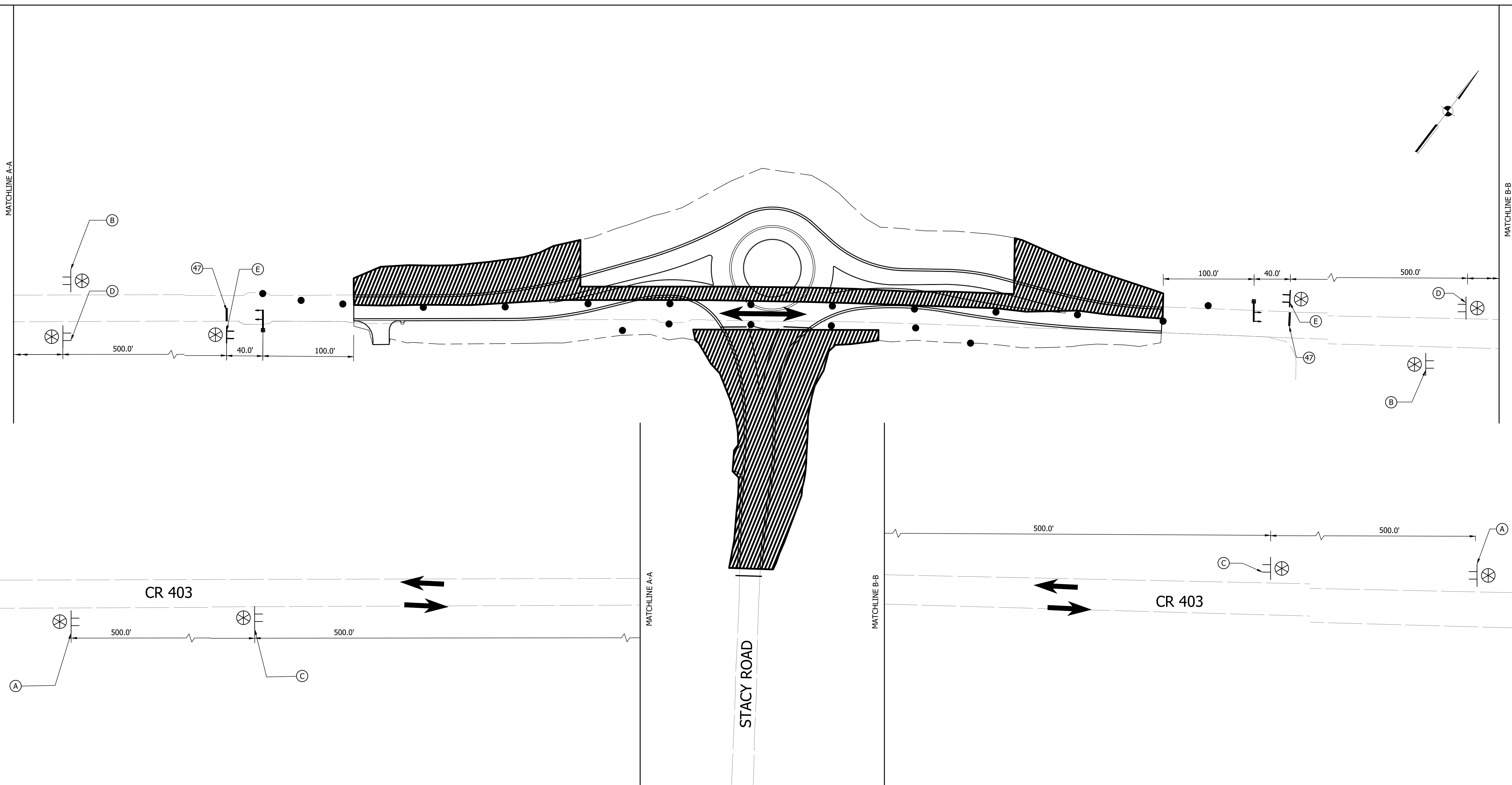
RECOMMENDED FOR APPROVAL _____	
DESIGNED: ESH	DRAWN: VAD
CHECKED: JEL	CHECKED: ESH

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE 1

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1802805
SURVEY BOOK	SHEETS
N/A	9 of 34
CONTRACT	PROJECT
N/A	1802805

File Name: P:\RD\CD\19-488 Stacy for Roundabout\Road\Draw\Plans\Maintenance of Traffic.dwg Plot Date: 3/13/2023 Plotted By: Eric Harmed



LEGEND

XG20-7 (36" X 36") A	G 20-2 (36" X 18") B	XW 20-3 (36" X 36") C	W 3-3 (36" X 36") D	R 10-6 (24" X 36") E

- Construction Sign, Type A, B, or C
- Type "A" Construction Warning Light
- Type III-A Barricade
- Portable Traffic Signal Head, 3 Face, Red, Amber, Green & Pedestal with Doppler Detection
- Standard Drum
- Transverse Marking, Thermoplastic, Stop Line, White, 24"
- Direction of Traffic

NOTE:
1. Temporary Traffic Signals to be utilized to maintain one-lane, two-way traffic during Phases 2 & 3.

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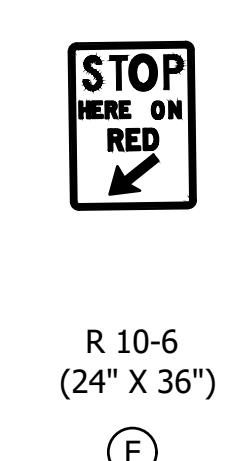
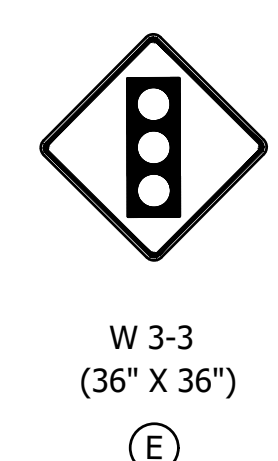
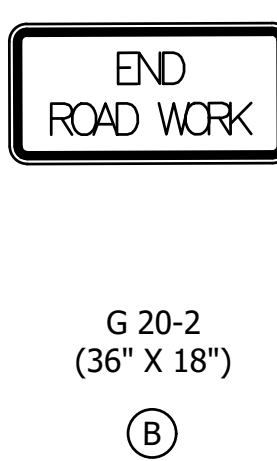
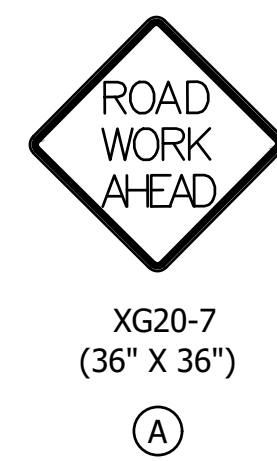
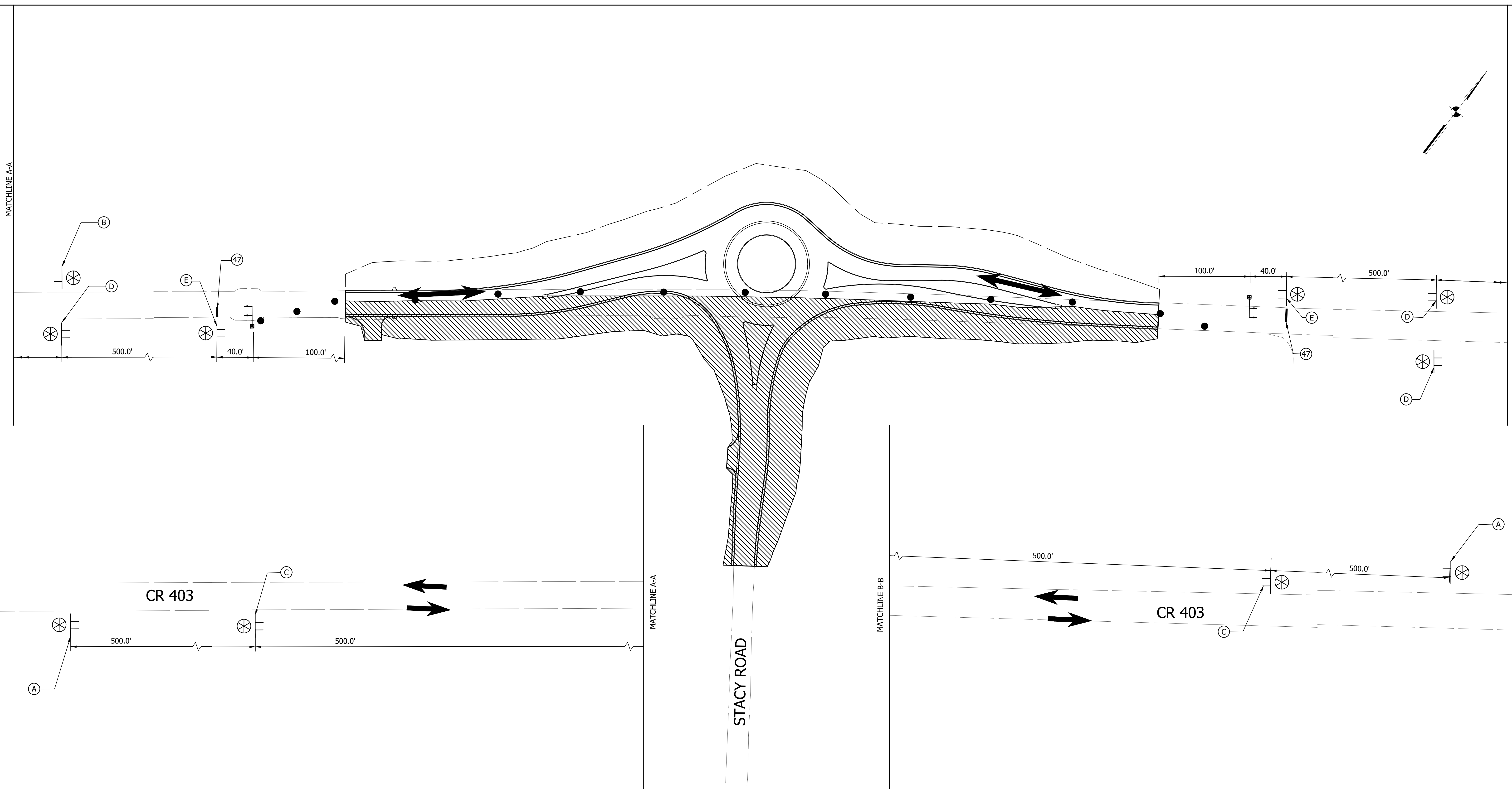
RECOMMENDED FOR APPROVAL _____	
DESIGNED: ESH	DRAWN: VAD
CHECKED: JEL	CHECKED: ESH

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE 2

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 1802805
SURVEY BOOK N/A	SHEETS 10 of 34
CONTRACT N/A	PROJECT 1802805

File Name: P:\RD\CD\19-488 Stacy for Roundabout\Road\Draw\Plans\Maintenance of Traffic.dwg Plot Date: 3/13/2023 Plotted By: Eric Harmed



- ⊥ Construction Sign, Type A, B, or C
- ⊗ Type "A" Construction Warning Light
- Type III-A Barricade
- ☒ Portable Traffic Signal Head, 3 Face, Red, Amber, Green & Pedestal with Doppler Detection
- Standard Drum
- ④7 Transverse Marking, Thermoplastic, Stop Line, White, 24"
- ← Direction of Traffic

NOTE:
1. Temporary Traffic Signals to be utilized to maintain one-lane, two-way traffic during Phases 2 & 3.



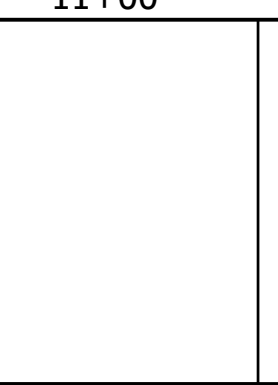
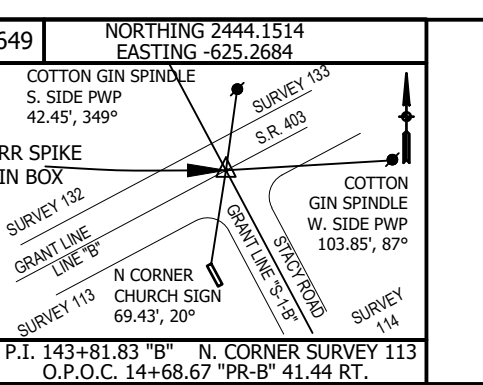
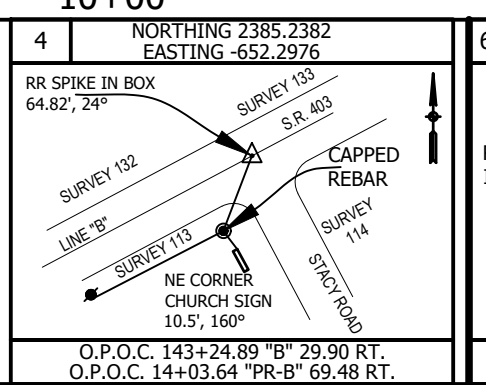
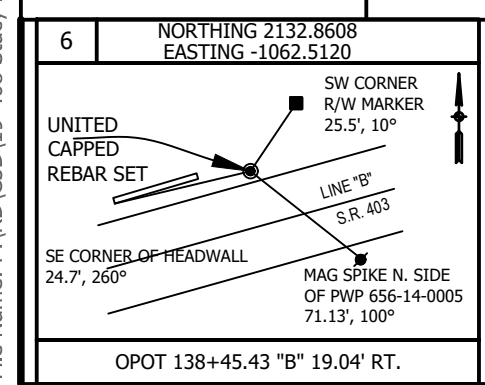
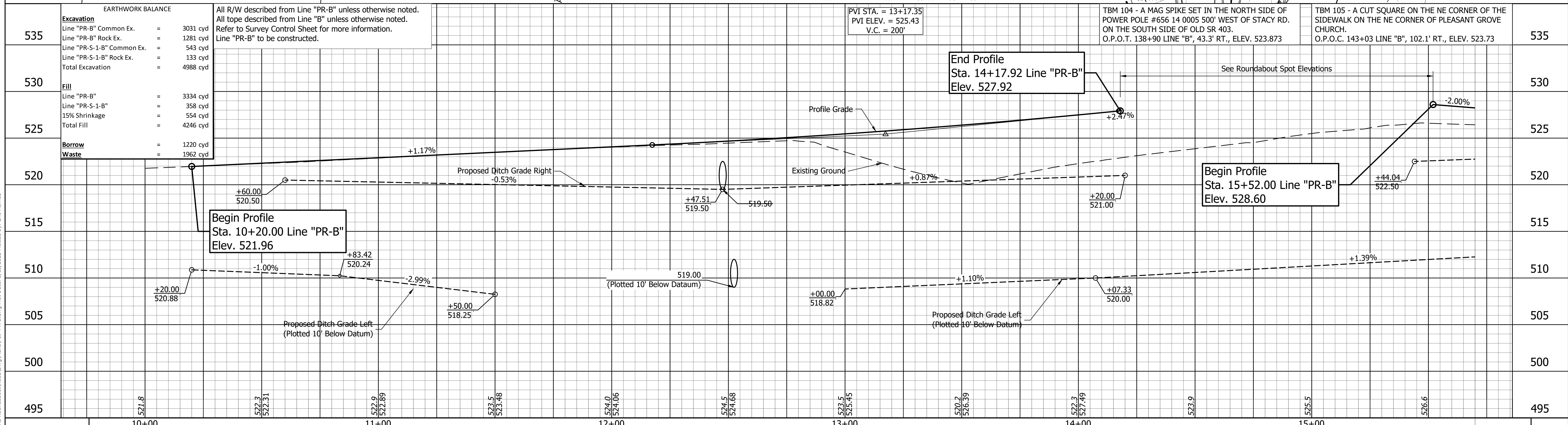
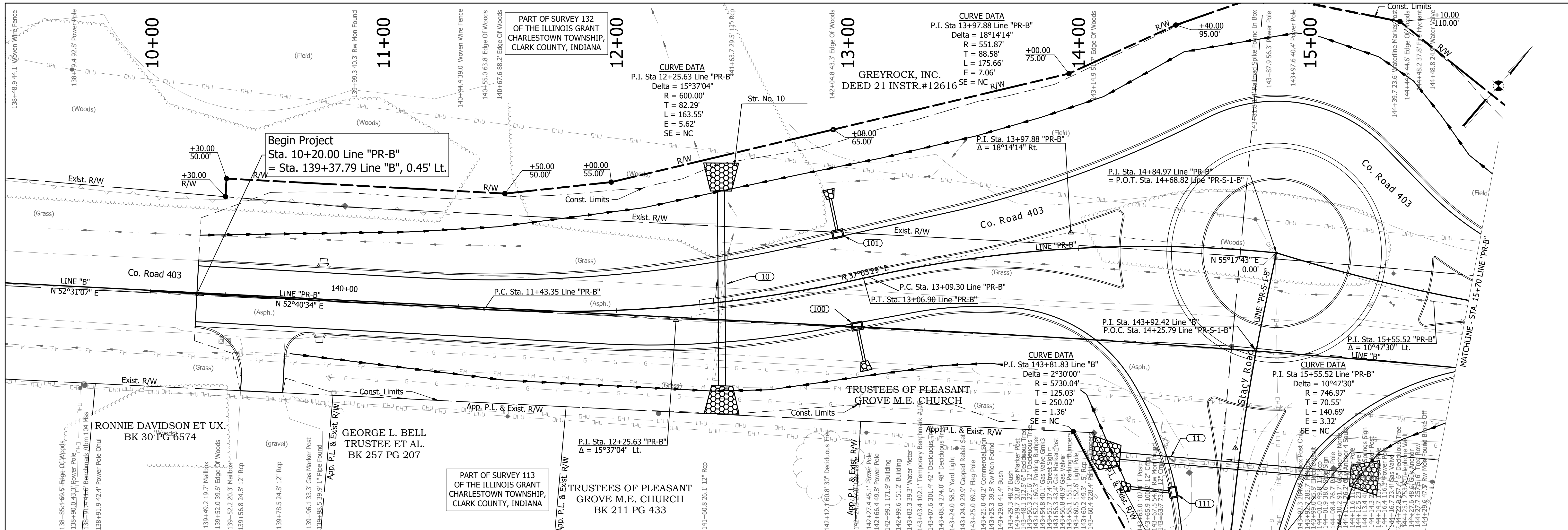
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RECOMMENDED FOR APPROVAL _____	
DESIGNED: ESH	DRAWN: VAD
CHECKED: JEL	CHECKED: ESH

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE 3

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 1802805
SURVEY BOOK N/A	SHEETS 11 of 34
CONTRACT N/A	PROJECT 1802805



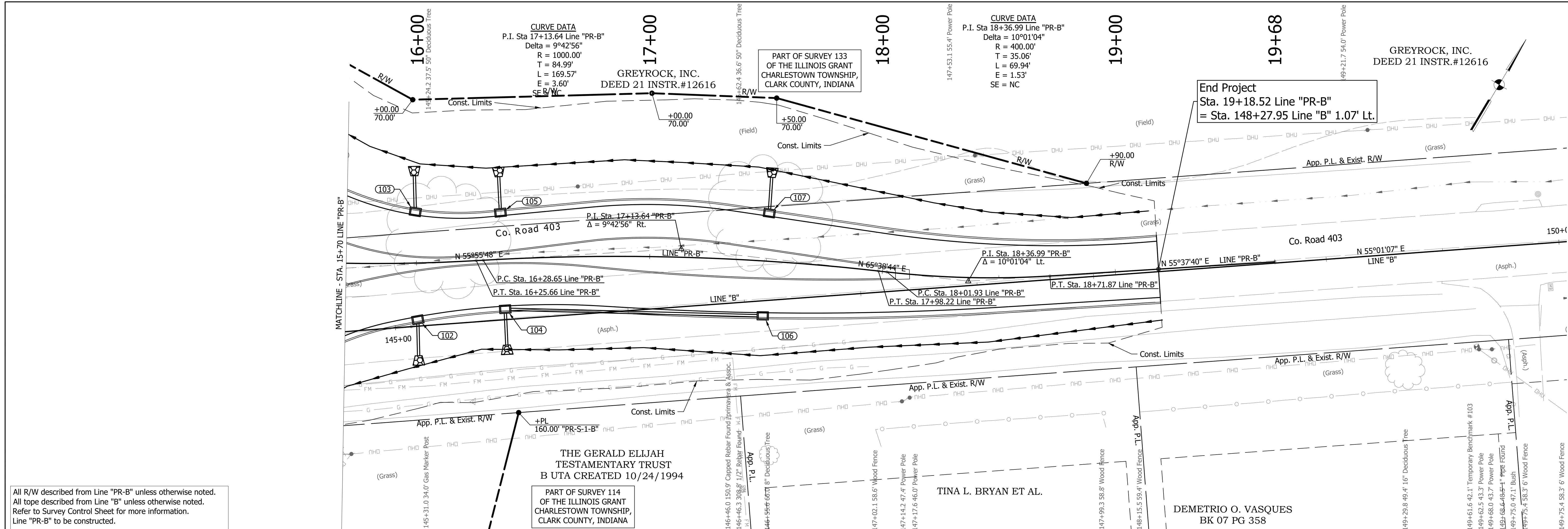
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ESH	DRAWN: VAD	
CHECKED: JEL	CHECKED: ESH	

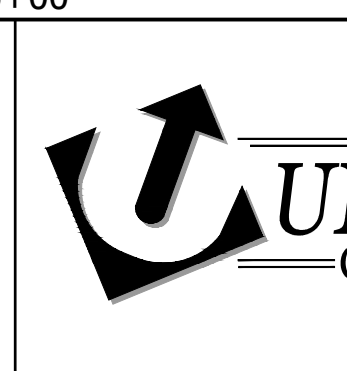
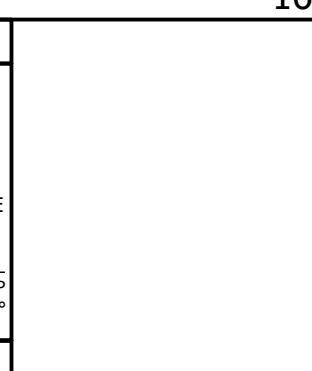
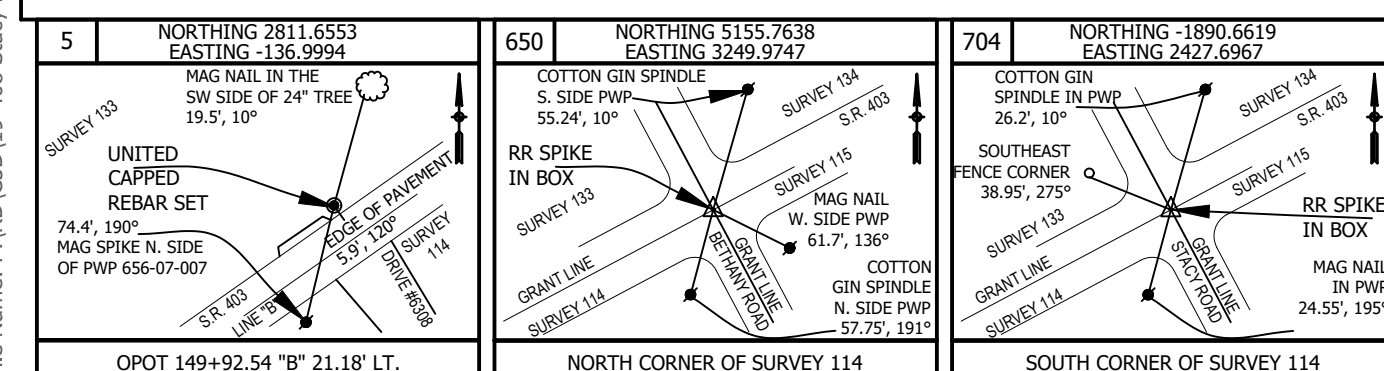
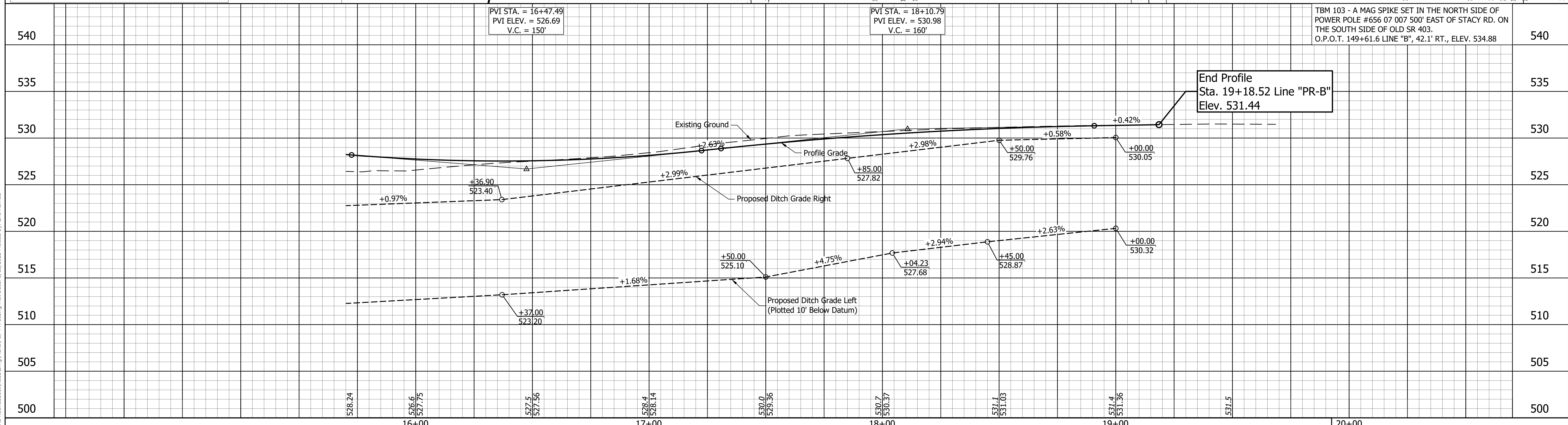
INDIANA
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PLAN & PROFILE
LINE "PR-B" (COUNTY ROAD 403)

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1802805
SURVEY BOOK	SHEETS
N/A	12 of 34
CONTRACT	PROJECT
N/A	1802805



All R/W described from Line "PR-B" unless otherwise noted. All type described from Line "B" unless otherwise noted. Refer to Survey Control Sheet for more information. Line "PR-B" to be constructed.



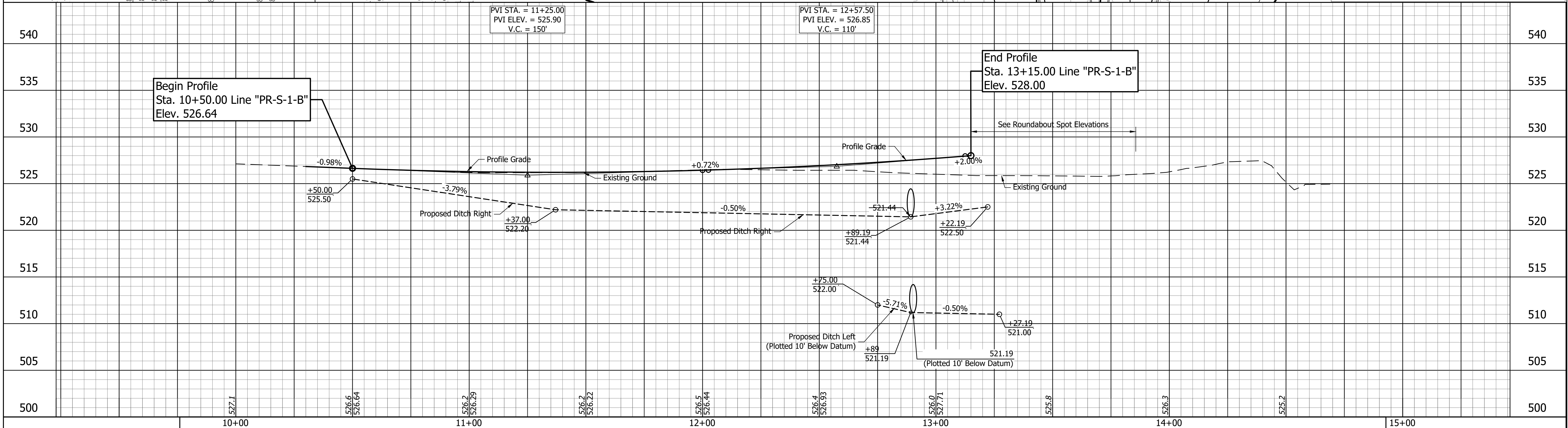
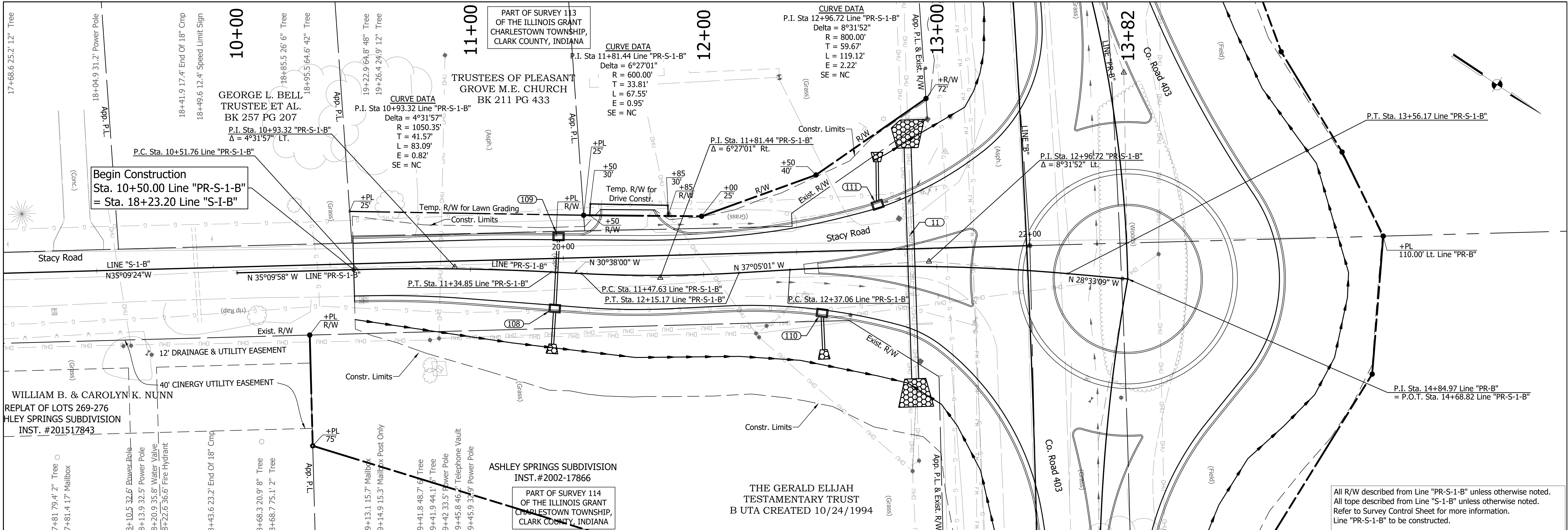
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ESH	DRAWN: VAD	
CHECKED: JEL	CHECKED: ESH	

INDIANA
 DEPARTMENT OF TRANSPORTATION
 PLAN & PROFILE
 LINE "PR-B" (COUNTY ROAD 403)

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1802805
SURVEY BOOK	SHEETS
N/A	13 of 34
CONTRACT	PROJECT
N/A	1802805

File Name: P:\RD\CD\19-008 Stacy for Roundabout\Road\Draw\Plans\PR-Redwg\Plan\PR-Redwg.rvt Date: 3/13/2023 Plotted By: Eric Hamred



File Name: P:\RD\CD\09-088 Stacy Rd Roundabout\Road\Draw\Plans\PR-S-1-A.dwg Plot Date: 3/13/2023 Plotted By: Eric Harrod

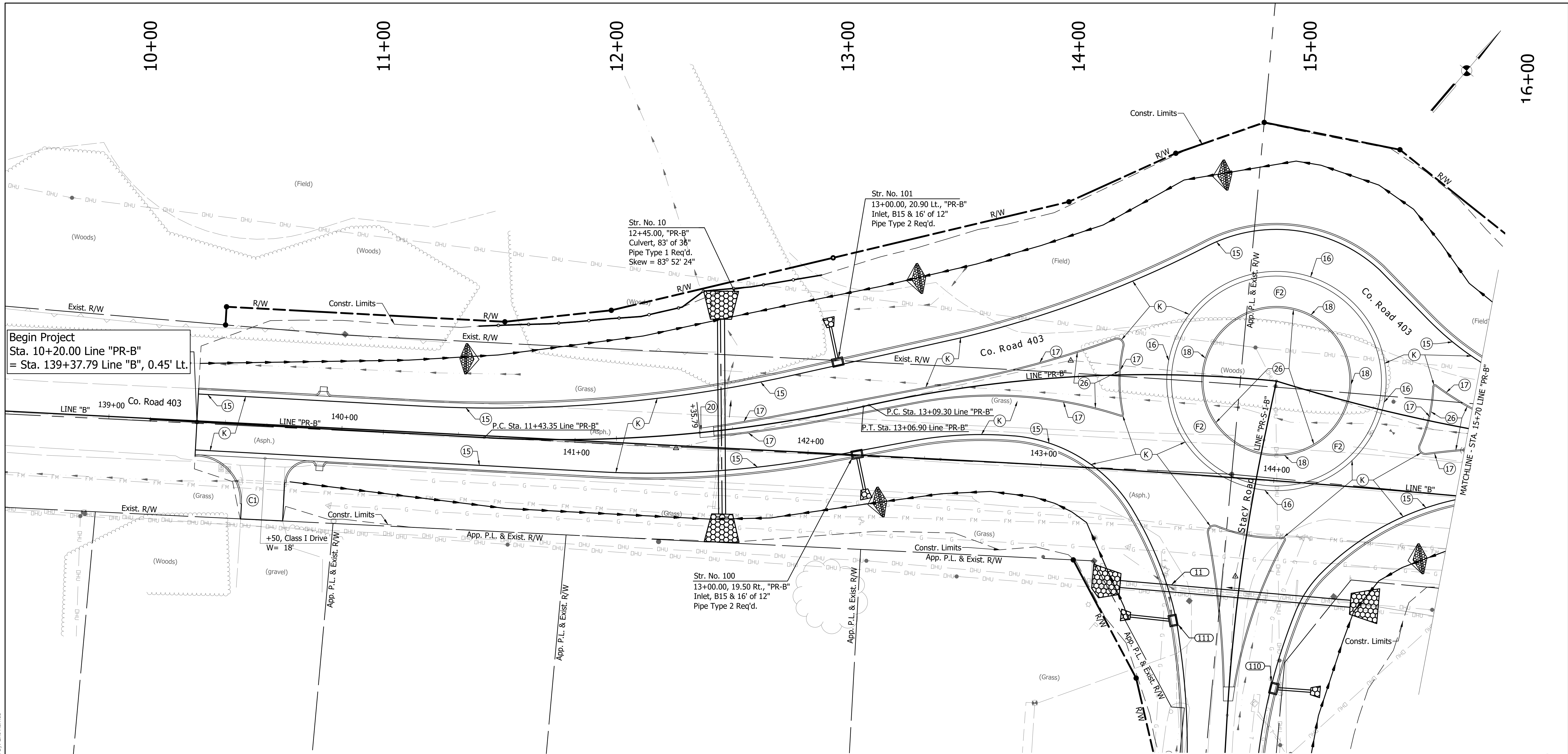
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ESH	DRAWN: VAD	
CHECKED: JEL	CHECKED: ESH	

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
LINE "PR-S-1-B" (STACY ROAD)

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1802805
SURVEY BOOK	SHEETS
N/A	14 of 34
CONTRACT	PROJECT
N/A	1802805



Begin Project
Sta. 10+20.00 Line "PR-B"
= Sta. 139+37.79 Line "B", 0.45' Lt.

TEMPORARY EROSION CONTROL LEGEND

- Check Dam, Revetment-Riprap
- Silt Fence

Note: Paved Inlet Protection (Not Shown)
Shall Be Provided For All Existing &
Proposed Inlets Within The Construction Limits

CONSTRUCTION DETAILS LEGEND

- (K) 165 #/Sys QC/QA-HMA, 3, 76, Surface, 9.5 mm on 275 #/Sys QC/QA-HMA, 3, 76, Intermediate, 19.0 mm on 330 #/Sys QC/QA-HMA, 3, 64, Base, 19.0 mm on 300 #/Sys QC/QA-HMA, 4, 76, Intermediate, OG, 19.0 mm on Subgrade Treatment, 1B
- (F2) Truck Apron
Decorative PCCP, 7" on 7" Compacted Aggregate, No. 53 (15" Maximum Joint Spacing With 1" Dowel Bars)
- (15) Curb & Gutter, Concrete, Modified
- (16) Curb & Gutter, Roll Curb
- (17) Concrete Curb, Modified
- (18) Curb, Integrated, Concrete
- (20) Center Curb, D, Concrete
- (26) Nursery Sodding
- (27) Seed Mixture, U
- (C1) PCCP for Approaches, 6", on Dense Graded Subbase, 6", on Subgrade Treatment, Type II
- (C3) PCCP for Approaches, 9", on Dense Graded Subbase, 6", on Geogrid Type 1B, on Subgrade Treatment, Type II

Note: See Survey Control Sheet For Survey Lines "B" & "S-1-B" Information. See Plan & Profile Sheets For Alignments "PR-B" & "PR-S-1-B" Information. See Geometric Details Sheet For Additional Alignments Details. Line "PR-B" To Be Built

File Name: P:\RD\CD\19-408 Stacy for Roundabout\Road\Draw\Plans\Con Det PR-1.dwg Plot Date: 3/13/2023 Plotted By: Eric Harned

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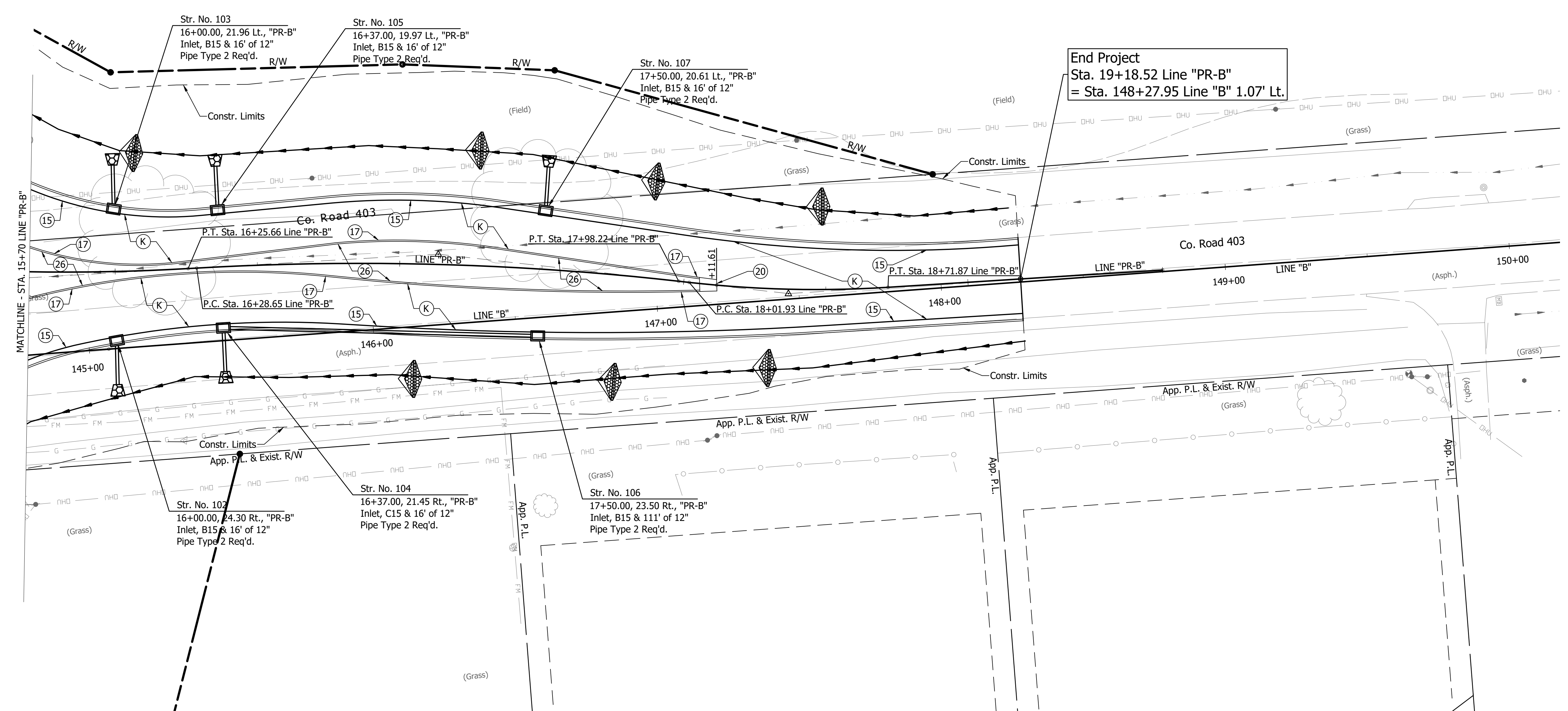
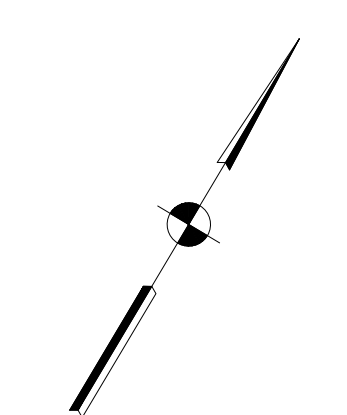
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ESH	DRAWN: VAD	
CHECKED: JEL	CHECKED: ESH	

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
LINE "PR-B" (COUNTY ROAD 403)

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1802805
SURVEY BOOK	SHEETS
N/A	15 of 34
CONTRACT	PROJECT
N/A	1802805

16+00 17+00 18+00 19+00 19+68



End Project
Sta. 19+18.52 Line "PR-B"
= Sta. 148+27.95 Line "B" 1.07' Lt.

TEMPORARY EROSION CONTROL LEGEND

- Check Dam, Revetment-Riprap
- Silt Fence

Note: Paved Inlet Protection (Not Shown)
Shall Be Provided For All Existing &
Proposed Inlets Within The Construction Limits

CONSTRUCTION DETAILS LEGEND

- (K) 165 #/Sys QC/QA-HMA, 3, 76, Surface, 9.5 mm on 275 #/Sys QC/QA-HMA, 3, 76, Intermediate, 19.0 mm on 330 #/Sys QC/QA-HMA, 3, 64, Base, 19.0 mm on 300 #/Sys QC/QA-HMA, 4, 76, Intermediate, OG, 19.0 mm on Subgrade Treatment, IB
- (F2) Truck Apron
Decorative PCCP, 7" on 7" Compacted Aggregate, No. 53 (15" Maximum Joint Spacing With 1" Dowel Bars)
- Proposed Ditch Flow Line
- Existing Ditch Flow Line
- (15) Curb & Gutter, Concrete, Modified
- (16) Curb & Gutter, Roll Curb
- (17) Concrete Curb, Modified
- (18) Curb, Integrated, Concrete
- (20) Center Curb, D, Concrete
- (26) Nursery Sodding
- (27) Seed Mixture, U
- (C1) PCCP for Approaches, 6", on Dense Graded Subbase, 6", on Subgrade Treatment, Type II
- (C3) PCCP for Approaches, 9", on Dense Graded Subbase, 6", on Geogrid Type 1B, on Subgrade Treatment, Type II

Note: See Survey Control Sheet For Survey Lines "B" & "S-1-B" Information. See Plan & Profile Sheets For Alignments "PR-B" & "PR-S-1-B" Information. See Geometric Details Sheet For Additional Alignments Details. Line "PR-B" To Be Built

File Name: P:\RD\CD\19-608_Study for Roundabout\Road\Draw\Plans\Con Det PR-B.dwg Plot Date: 3/13/2023 Plotted By: Eric Harned

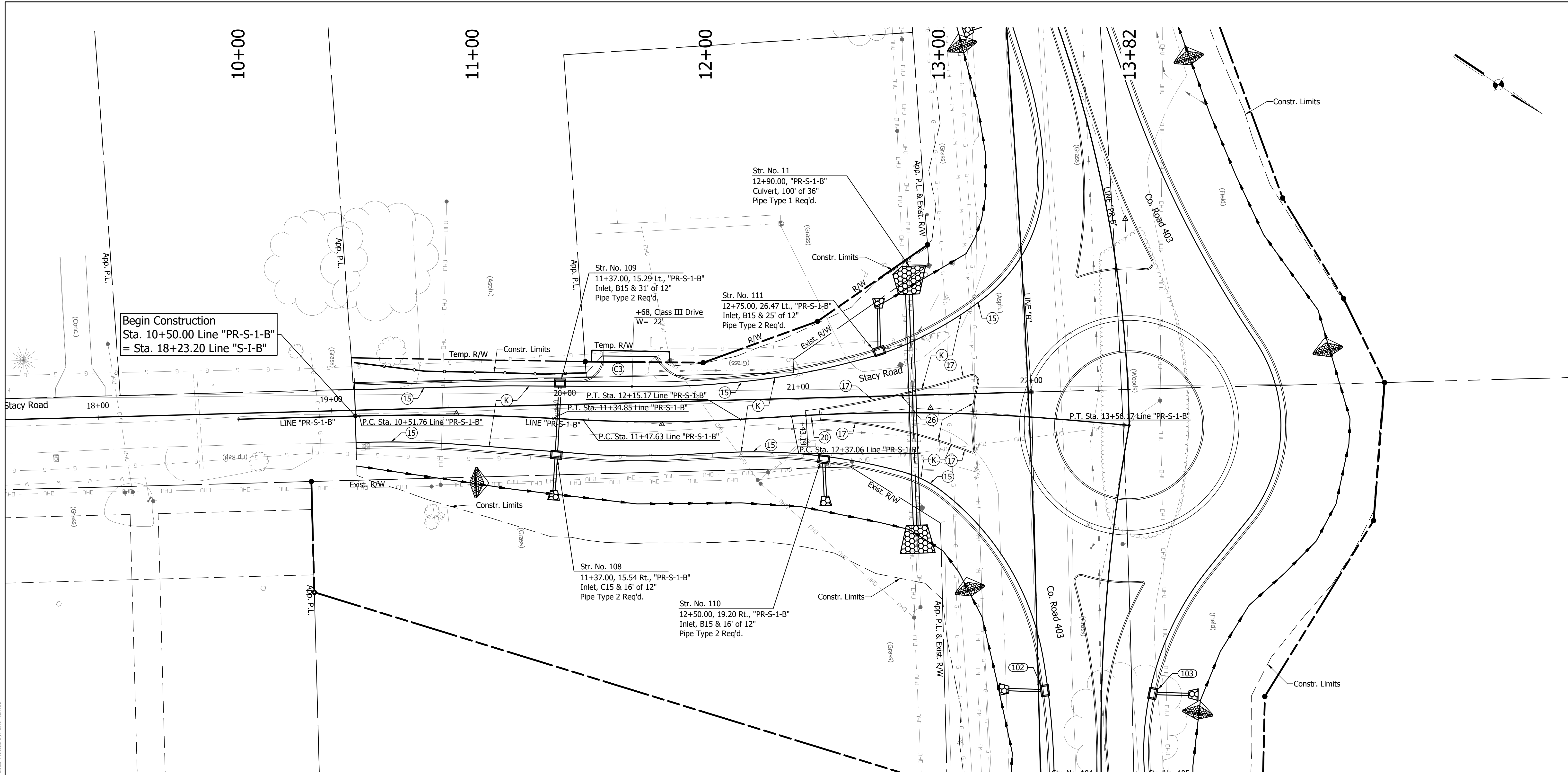
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RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED: ESH	DRAWN: VAD				
CHECKED: JEL	CHECKED: ESH				

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
LINE "PR-B" (COUNTY ROAD 403)

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1802805
SURVEY BOOK	SHEETS
N/A	16 of 34
CONTRACT	PROJECT
N/A	1802805



Begin Construction
Sta. 10+50.00 Line "PR-S-1-B"
= Sta. 18+23.20 Line "S-I-B"

TEMPORARY EROSION CONTROL LEGEND

- Check Dam, Revetment-Riprap
- Silt Fence

Note: Paved Inlet Protection (Not Shown)
Shall Be Provided For All Existing &
Proposed Inlets Within The Construction Limits

- 165 #/Sys QC/QA-HMA, 3, 76, Surface, 9.5 mm on
275 #/Sys QC/QA-HMA, 3, 76, Intermediate, 19.0 mm on
330 #/Sys QC/QA-HMA, 3, 64, Base, 19.0 mm on
300 #/Sys QC/QA-HMA, 4, 76, Intermediate, OG, 19.0 mm on
Subgrade Treatment, IB
- Truck Apron
Decorative PCCP, 7" on
7" Compacted Aggregate, No. 53
(15" Maximum Joint Spacing With 1" Dowel Bars)
- Proposed Ditch Flow Line
- Existing Ditch Flow Line

CONSTRUCTION DETAILS LEGEND

- Curb & Gutter, Concrete, Modified
- Curb & Gutter, Roll Curb
- Concrete Curb, Modified
- Curb, Integrated, Concrete
- Center Curb, D, Concrete
- Nursery Sodding
- Seed Mixture, U
- PCCP for Approaches, 6", on
Dense Graded Subbase, 6", on
Subgrade Treatment, Type II
- PCCP for Approaches, 9", on
Dense Graded Subbase, 6", on
Geogrid Type 1B, on
Subgrade Treatment, Type II

Note: See Survey Control Sheet For Survey Lines "B" & "S-1-B"
Information. See Plan & Profile Sheets For Alignments "PR-B" &
"PR-S-1-B" Information. See Geometric Details Sheet For
Additional Alignments Details. Line "PR-S-1-B" To Be Built

File Name: P:\RD\CD\19-408 Stacy Rd Roundabout\Road\Draw\Plans\Con Det PR-S-1-B.dwg Plc Date: 3/12/2023 Plotted By: Eric Harned



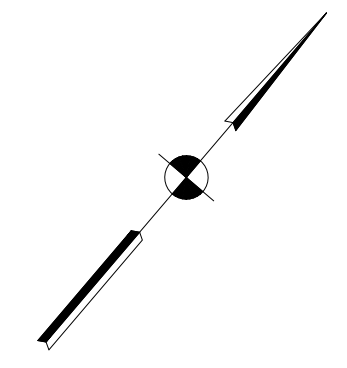
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DESIGNED: ESH	DRAWN: VAD	
CHECKED: JEL	CHECKED: ESH	

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DEPARTMENT OF TRANSPORTATION

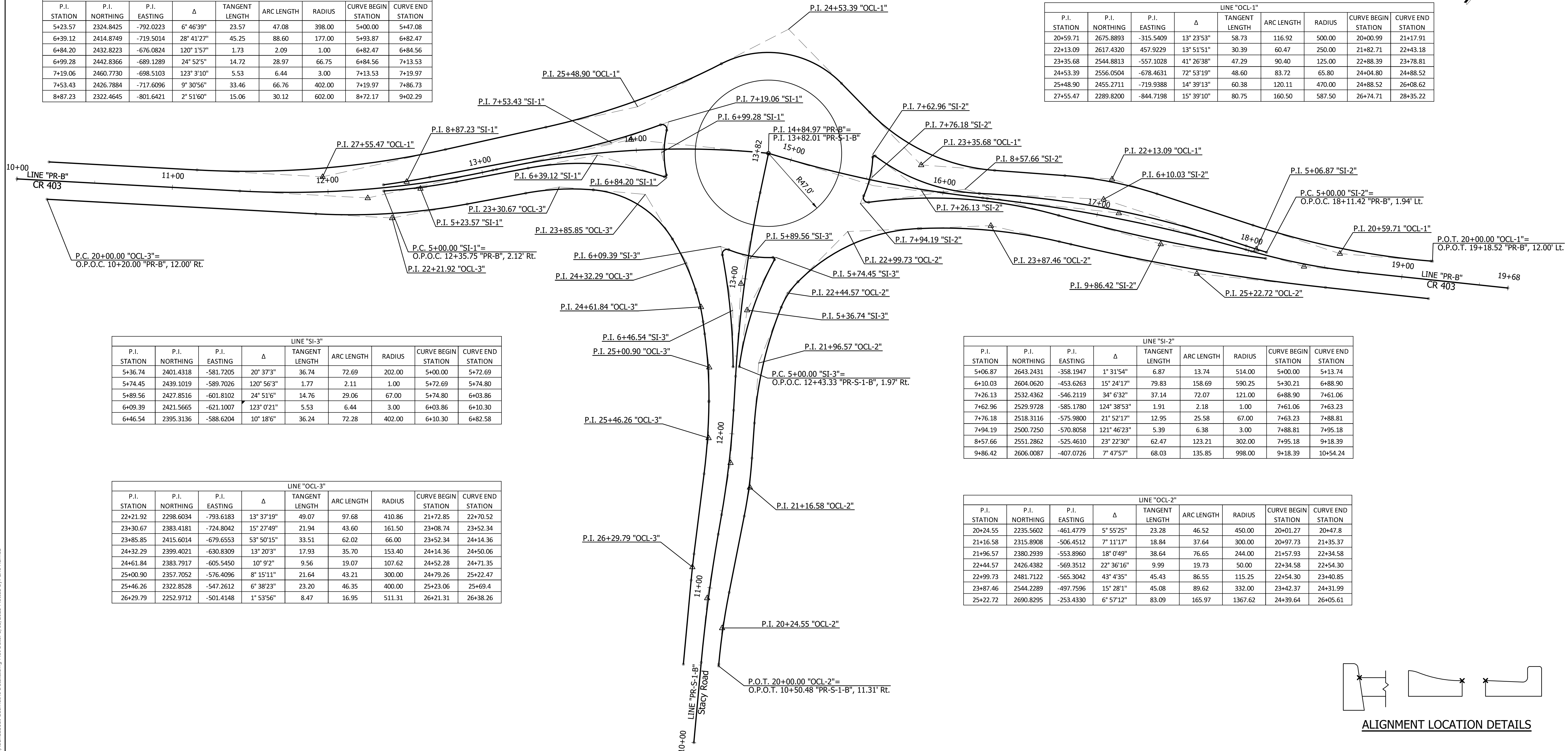
CONSTRUCTION DETAILS
LINE "PR-S-1-B" (STACY ROAD)

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1802805
SURVEY BOOK	SHEETS
N/A	17 of 34
CONTRACT	PROJECT
N/A	1802805



LINE "SI-1"								
P.I. STATION	P.I. NORTHING	P.I. EASTING	Δ	TANGENT LENGTH	ARC LENGTH	RADIUS	CURVE BEGIN STATION	CURVE END STATION
5+23.57	2324.8425	-792.0223	6° 46'39"	23.57	47.08	398.00	5+00.00	5+47.08
6+39.12	2414.8749	-719.5014	28° 41'27"	45.25	88.60	177.00	5+93.87	6+82.47
6+84.20	2432.8223	-676.0824	120° 1'57"	1.73	2.09	1.00	6+82.47	6+84.56
6+99.28	2442.8366	-689.1289	24° 52'5"	14.72	28.97	66.75	6+84.56	7+13.53
7+19.06	2460.7730	-698.5103	123° 3'10"	5.53	6.44	3.00	7+13.53	7+19.97
7+53.43	2426.7884	-717.6096	9° 30'56"	33.46	66.76	402.00	7+19.97	7+86.73
8+87.23	2322.4645	-801.6421	2° 51'60"	15.06	30.12	602.00	8+72.17	9+02.29

LINE "OCL-1"								
P.I. STATION	P.I. NORTHING	P.I. EASTING	Δ	TANGENT LENGTH	ARC LENGTH	RADIUS	CURVE BEGIN STATION	CURVE END STATION
20+59.71	2675.8893	-315.5409	13° 23'53"	58.73	116.92	500.00	20+00.99	21+17.91
22+13.09	2617.4320	-457.9229	13° 51'51"	30.39	60.47	250.00	21+82.71	22+43.18
23+35.68	2544.8813	-557.1028	41° 26'38"	47.29	90.40	125.00	22+88.39	23+78.81
24+53.39	2556.0504	-678.4631	72° 53'19"	48.60	83.72	65.80	24+04.80	24+88.52
25+48.90	2455.2711	-719.9388	14° 39'13"	60.38	120.11	470.00	24+88.52	26+08.62
27+55.47	2289.8200	-844.7198	15° 39'10"	80.75	160.50	587.50	26+74.71	28+35.22

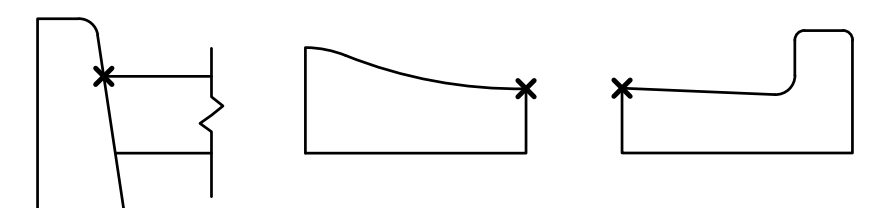


LINE "SI-3"								
P.I. STATION	P.I. NORTHING	P.I. EASTING	Δ	TANGENT LENGTH	ARC LENGTH	RADIUS	CURVE BEGIN STATION	CURVE END STATION
5+36.74	2401.4318	-581.7205	20° 37'3"	36.74	72.69	202.00	5+00.00	5+72.69
5+74.45	2439.1019	-589.7026	120° 56'3"	1.77	2.11	1.00	5+72.69	5+74.80
5+89.56	2427.8516	-601.8102	24° 51'6"	14.76	29.06	67.00	5+74.80	6+03.86
6+09.39	2421.5665	-621.1007	123° 0'21"	5.53	6.44	3.00	6+03.86	6+10.30
6+46.54	2395.3136	-588.6204	10° 18'6"	36.24	72.28	402.00	6+10.30	6+82.58

LINE "SI-2"								
P.I. STATION	P.I. NORTHING	P.I. EASTING	Δ	TANGENT LENGTH	ARC LENGTH	RADIUS	CURVE BEGIN STATION	CURVE END STATION
5+06.87	2643.2431	-358.1947	1° 31'54"	6.87	13.74	514.00	5+00.00	5+13.74
6+10.03	2604.0620	-453.6263	15° 24'17"	79.83	158.69	590.25	5+30.21	6+88.90
7+26.13	2532.4362	-546.2119	34° 6'32"	37.14	72.07	121.00	6+88.90	7+61.06
7+62.96	2529.9728	-585.1780	124° 38'53"	1.91	2.18	1.00	7+61.06	7+63.23
7+76.18	2518.3116	-575.9800	21° 52'17"	12.95	25.58	67.00	7+63.23	7+88.81
7+94.19	2500.7250	-570.8058	121° 46'23"	5.39	6.38	3.00	7+88.81	7+95.18
8+57.66	2551.2862	-525.4610	23° 22'30"	62.47	123.21	302.00	7+95.18	9+18.39
9+86.42	2606.0087	-407.0726	7° 47'57"	68.03	135.85	998.00	9+18.39	10+54.24

LINE "OCL-3"								
P.I. STATION	P.I. NORTHING	P.I. EASTING	Δ	TANGENT LENGTH	ARC LENGTH	RADIUS	CURVE BEGIN STATION	CURVE END STATION
22+21.92	2298.6034	-793.6183	13° 37'19"	49.07	97.68	410.86	21+72.85	22+70.52
23+30.67	2383.4181	-724.8042	15° 27'49"	21.94	43.60	161.50	23+08.74	23+52.34
23+85.85	2415.6014	-679.6553	53° 50'15"	33.51	62.02	66.00	23+52.34	24+14.36
24+32.29	2399.4021	-630.8309	13° 20'3"	17.93	35.70	153.40	24+14.36	24+50.06
24+61.84	2383.7917	-605.5450	10° 9'2"	9.56	19.07	107.62	24+52.28	24+71.35
25+00.90	2357.7052	-576.4096	8° 15'11"	21.64	43.21	300.00	24+79.26	25+22.47
25+46.26	2322.8528	-547.2612	6° 38'23"	23.20	46.35	400.00	25+23.06	25+69.4
26+29.79	2252.9712	-501.4148	1° 53'56"	8.47	16.95	511.31	26+21.31	26+38.26

LINE "OCL-2"								
P.I. STATION	P.I. NORTHING	P.I. EASTING	Δ	TANGENT LENGTH	ARC LENGTH	RADIUS	CURVE BEGIN STATION	CURVE END STATION
20+24.55	2235.5602	-461.4779	5° 55'25"	23.28	46.52	450.00	20+01.27	20+47.8
21+16.58	2315.8908	-506.4512	7° 11'17"	18.84	37.64	300.00	20+97.73	21+35.37
21+96.57	2380.2939	-553.8960	18° 0'49"	38.64	76.65	244.00	21+57.93	22+34.58
22+44.57	2426.4382	-569.3512	22° 36'16"	9.99	19.73	50.00	22+34.58	22+54.30
22+99.73	2481.7122	-565.3042	43° 4'35"	45.43	86.55	115.25	22+54.30	23+40.85
23+87.46	2544.2289	-497.7596	15° 28'1"	45.08	89.62	332.00	23+42.37	24+31.99
25+22.72	2690.8295	-253.4330	6° 57'12"	83.09	165.97	1367.62	24+39.64	26+05.61



ALIGNMENT LOCATION DETAILS

File Name: P:\RD\CD\19-408 Stacy Rd Roundabout\Road\Draw\Plans\Roundabout_Geometric_Details.dwg Plot Date: 3/13/2023 Plotted By: Eric Hamred



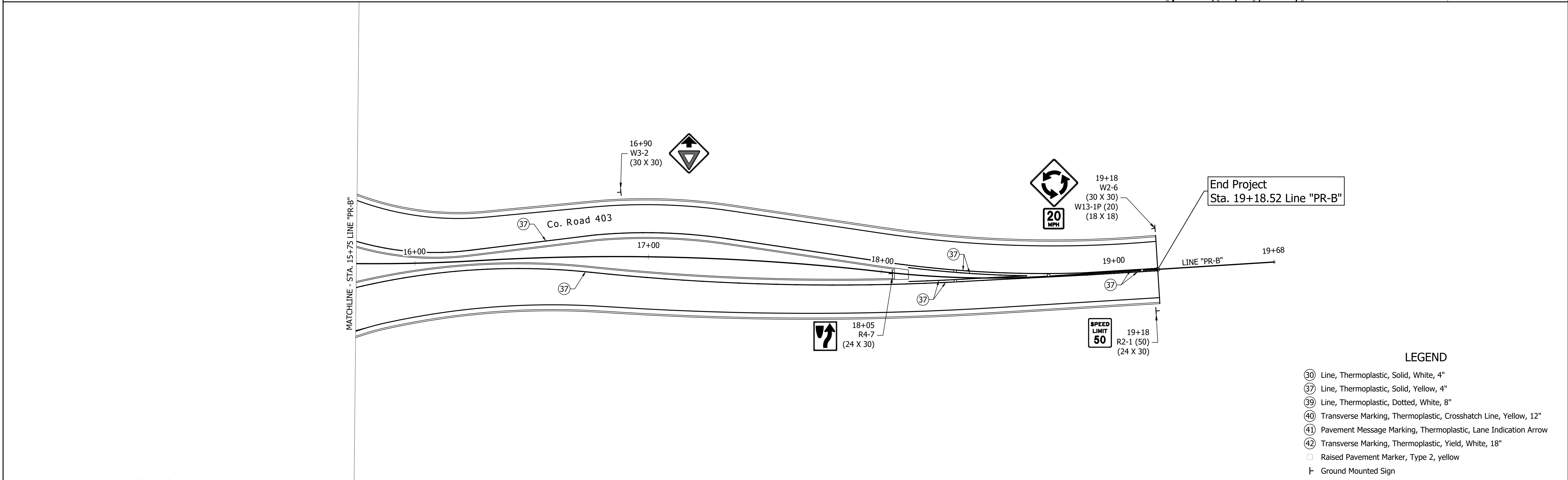
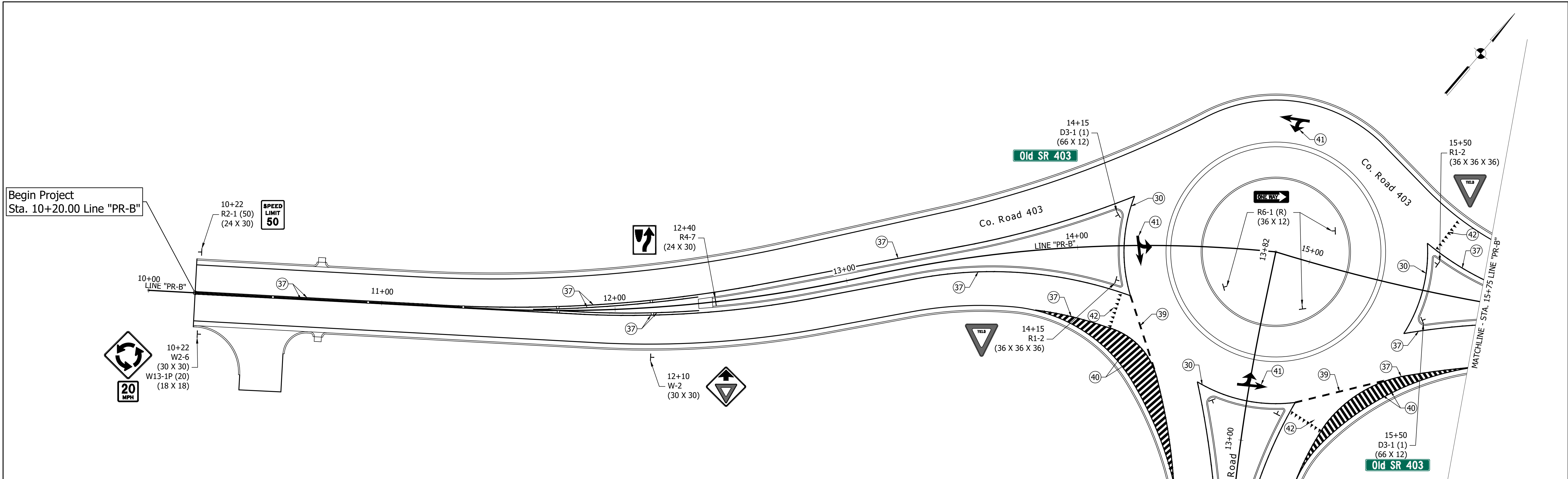
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ESH	DRAWN: VAD	
CHECKED: JEL	CHECKED: ESH	

INDIANA
DEPARTMENT OF TRANSPORTATION

ROUNDABOUT
GEOMETRIC DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
1" = 30'	1802805
SURVEY BOOK	SHEETS
N/A	18 of 34
CONTRACT	PROJECT
N/A	1802805



- LEGEND**
- ③① Line, Thermoplastic, Solid, White, 4"
 - ③⑦ Line, Thermoplastic, Solid, Yellow, 4"
 - ③⑨ Line, Thermoplastic, Dotted, White, 8"
 - ④① Transverse Marking, Thermoplastic, Crosshatch Line, Yellow, 12"
 - ④① Pavement Message Marking, Thermoplastic, Lane Indication Arrow
 - ④② Transverse Marking, Thermoplastic, Yield, White, 18"
 - Raised Pavement Marker, Type 2, yellow
 - └ Ground Mounted Sign

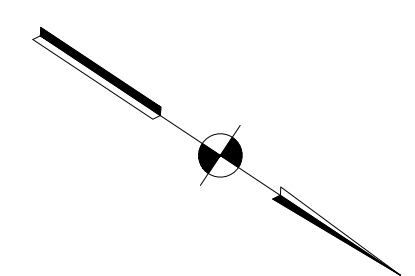
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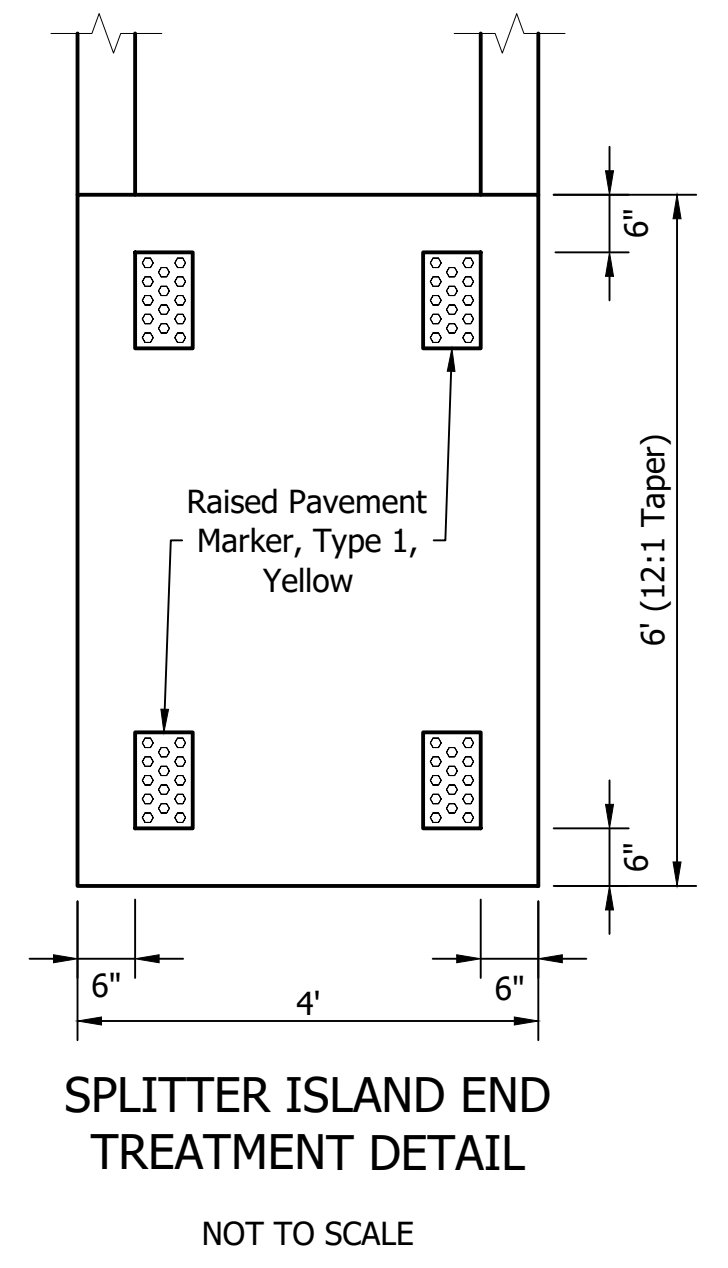
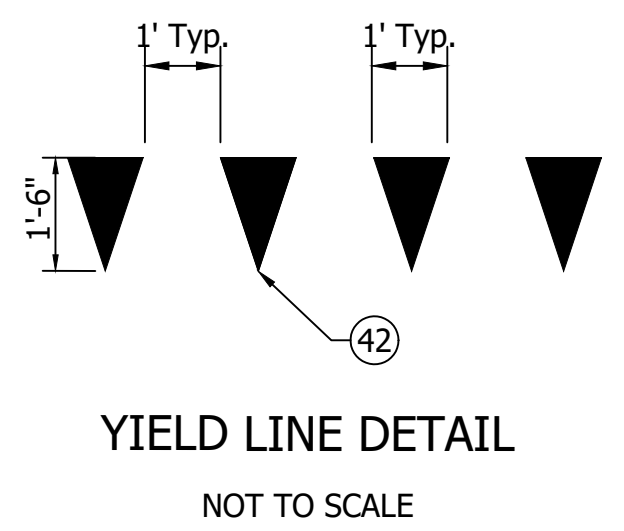
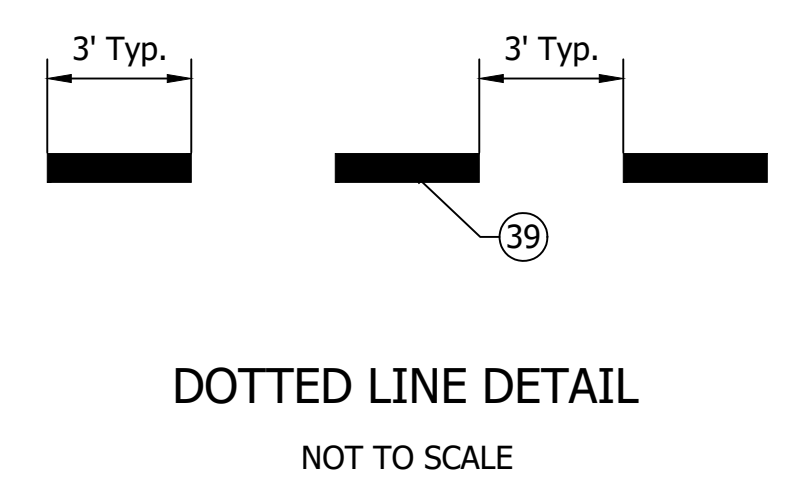
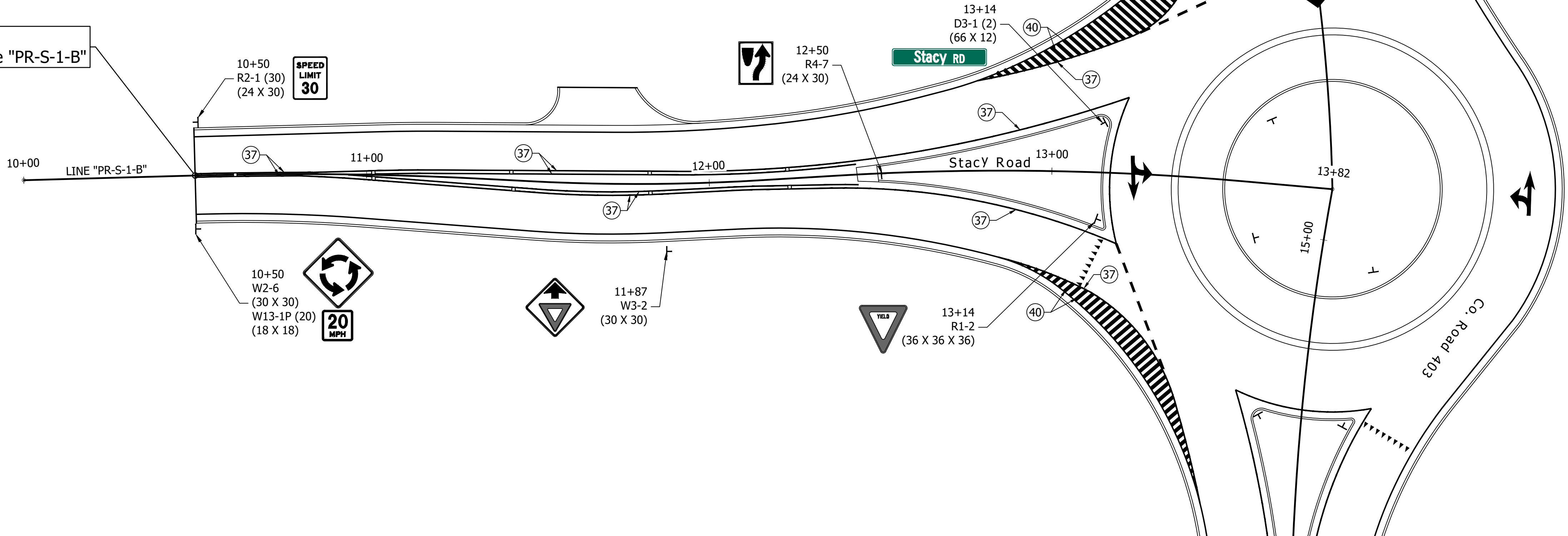
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ESH	DRAWN: VAD	
CHECKED: JEL	CHECKED: ESH	

INDIANA
 DEPARTMENT OF TRANSPORTATION
 SIGNING & PAVEMENT MARKING DETAILS
 LINE "PR-B" (COUNTY ROAD 403)

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1802805
SURVEY BOOK	SHEETS
N/A	19 of 34
CONTRACT	PROJECT
N/A	1802805



Begin Project
Sta. 10+50.00 Line "PR-S-1-B"



- LEGEND**
- ③⑩ Line, Thermoplastic, Solid, White, 4"
 - ③⑦ Line, Thermoplastic, Solid, Yellow, 4"
 - ③⑨ Line, Thermoplastic, Dotted, White, 8"
 - ④⑩ Transverse Marking, Thermoplastic, Crosshatch Line, Yellow, 12"
 - ④① Pavement Message Marking, Thermoplastic, Lane Indication Arrow
 - ④② Transverse Marking, Thermoplastic, Yield, White, 18"
 - Raised Pavement Marker, Type 2, yellow
 - ┌ Ground Mounted Sign

File Name: P:\RD\CD\19-408 Stacy Rd Roundabout\Road\Drawings\Signing & Pavement Marking Details.dwg Plot Date: 3/13/2023 Plotted By: Eric Harmed



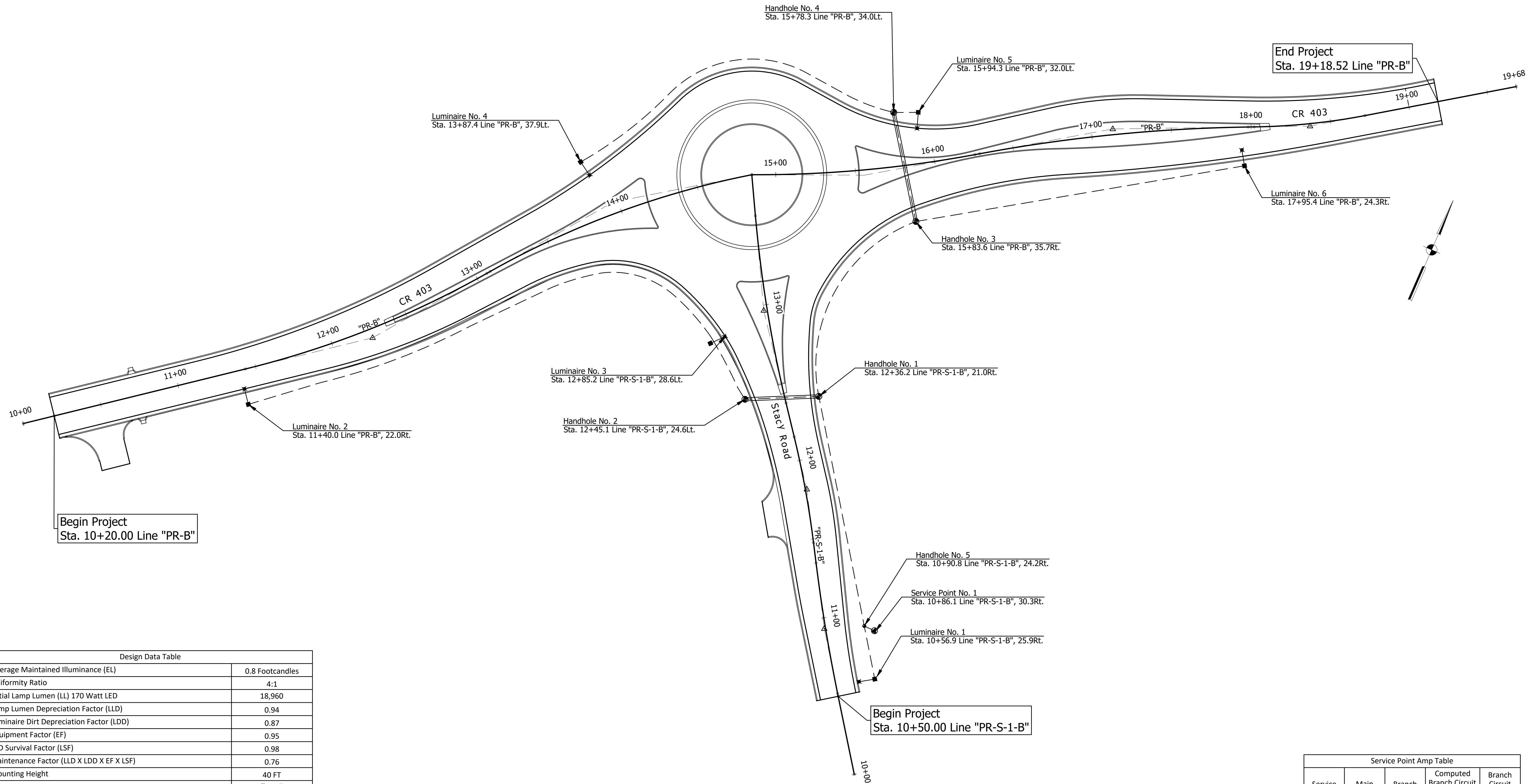
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DESIGNED: ESH	DRAWN: VAD		
CHECKED: JEL	CHECKED: ESH		

INDIANA
DEPARTMENT OF TRANSPORTATION

SIGNING & PAVEMENT MARKING DETAILS
LINE "PR-S-1-B" (STACY ROAD)

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1802805
SURVEY BOOK	SHEETS
N/A	20 of 34
CONTRACT	PROJECT
N/A	1802805



Design Data Table	
Average Maintained Illuminance (EL)	0.8 Footcandles
Uniformity Ratio	4:1
Initial Lamp Lumen (LL) 170 Watt LED	18,960
Lamp Lumen Depreciation Factor (LLD)	0.94
Luminaire Dirt Depreciation Factor (LDD)	0.87
Equipment Factor (EF)	0.95
LED Survival Factor (LSF)	0.98
Maintenance Factor (LLD X LDD X EF X LSF)	0.76
Mounting Height	40 FT
Luminaire Classification	Type II

Note: Luminaire shall provide a light distribution equivalent to IES distribution type ATBL_A_XXXXX_R2.ies

Service Point Amp Table				
Service Point	Main Breaker	Branch Circuit	Computed Branch Circuit Amperage	Branch Circuit Breaker
A	100 Amp	Red	2.13 Amps	15 Amps
		Black	2.13 Amps	15 Amps

LUMINAIRE SCHEDULE						
LUMINAIRE NO.	1	2	3	4	5	6
LUMINAIRE WATTAGE	170	170	170	170	170	170
DISTRIBUTION TYPE	II	II	II	II	II	II
CONNECTION TYPE	1	1	2	1	1	1
CIRCUIT CONNECTION	B	B	R	R	B	R
MOUNTING HEIGHT (FT)	40.0	40.0	40.0	40.0	40.0	40.0
MAST ARM LENGTH (FT)	10.0	10.0	10.0	10.0	10.0	10.0

- LEGEND**
- Power Pole Service Point, Type I (120V/240V)
 - 40' Light Pole & 10' Mast w/Luminaire, on Lighting Foundation
 - Handhole, Lighting

- GENERAL NOTES**
- 4-1C No. 6 Copper Conductor in Plastic Duct, in Trench
 - 4-1C No. 6 Copper Conductor in Conduit, Steel, Galvanized, 2"
- All work shall conform to latest version of the National Electrical Code & all local ordinances.
 - Refer to "Survey Control" for Alignment Information, Benchmarks, and Reference Ties.

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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SOZ	DRAWN: HSW	
CHECKED: HEK	CHECKED: HEK	

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DEPARTMENT OF TRANSPORTATION

Lighting
Details

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1802805
SURVEY BOOK	SHEETS
N/A	21 of 34
CONTRACT	PROJECT
N/A	1802805

File Name: P:\RD\CD\19-488 Stacy for Roundabout\Road\Drawings\Plans\Lighting_Details.dwg Plot Date: 3/13/2023 Plotted By: Eric Harmed

SHEET SIGN & POST SUMMARY

PLAN SHEET NO. / LINE	SIGN LOCATION (STA.)	SIGN CODE	SIGN SIZE (IN. x IN.)	GROUND - MOUNTED SIGN AREA (ft ²)			MOUNTED ON PANEL SIGN, AREA (ft ²)	POST																	
				0.080"	0.100"	0.125"		2 1/4" X 2 1/4" - 12 GA. (TYPE 1)			2 1/4" X 2 1/4" - 12 GA. (TYPE 1)			2" X 2" - 12 GA. (TYPE 2)			SQUARE			2 1/2" X 2 1/2" - 12 GA. (TYPE 3)			2 1/2" X 2 1/2" - 12 GA. (TYPE 3)		
								REINFORCED ANCHOR			UNREINFORCED ANCHOR			REINFORCED ANCHOR			UNREINFORCED ANCHOR			REINFORCED ANCHOR			UNREINFORCED ANCHOR		
								POST LENGTH (FT.)			POST LENGTH (FT.)			POST LENGTH (FT.)			POST LENGTH (FT.)			POST LENGTH (FT.)			POST LENGTH (FT.)		
1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL					
LINE "PR-B"	10+22, Rt.	W2-6 W13-1P(20)	30 X 30 18 X 18		6.3					12.0	12.0	24.0													
	10+22, Lt.	R2-1(50)	24 X 30	5.0						10.0		10.0													
	12+10, Rt.	W3-2	30 X 30		6.3					10.0		10.0													
	12+40	R4-7	24 X 30	5.0						10.0		10.0													
	14+15, Rt.	R1-2	36 X 36 X 36		3.9					10.5	10.5	21.0													
	14+15, Lt.	D3-1 (1)	66 X 12		5.5					10.5	10.5	21.0													
	14+60, Rt.	R6-1(R)	36 X 12		3.0					10.5	10.5	21.0													
	15+00, Rt.	R6-1(R)	36 X 12		3.0					10.5	10.5	21.0													
	15+10, Lt.	R6-1(R)	36 X 12		3.0					10.5	10.5	21.0													
	15+50, Rt.	D3-1 (1)	66 X 12		5.5					10.5	10.5	21.0													
	15+50, Lt.	R1-2	36 X 36 X 36		3.9					10.5	10.5	21.0													
	16+90, Lt.	W3-2	30 X 30		6.3					10.0		10.0													
	18+05	R4-7	24 X 30	5.0						10.0		10.0													
	19+18, Rt.	R2-1(50)	24 X 30	5.0						10.0		10.0													
	19+18, Lt.	W2-6 W13-1(20)	30 X 30 18 X 18		6.3	2.3				12.0	12.0	24.0													
LINE "PR-S-1-B"	10+50, Rt.	W2-6 W13-1(20)	30 X 30 18 X 18		6.3	2.3				12.0	12.0	24.0													
	10+50, Lt.	R2-1(30)	24 X 30	5.0						10.0		10.0													
	11+87, Rt.	W3-2	30 X 30	6.3						10.0	10.0	20.0													
	12+50	R4-7	24 X 30	5.0						10.0		10.0													
	13+14, Rt.	R1-2	36 X 36 X 36		3.9					10.5	10.5	21.0													
	13+14, Lt.	D3-1 (2)	66 X 12		5.5					10.5		10.5													
				43.2	68.7					350.5															

File Name: P:\RD\CD\09-608_Story for Roundabout\Road\Draw\Plans\Sheet Sign and Post Summary Table.dwg Plot Date: 3/13/2023 Plotted By: Eric Hamel



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DESIGNED: ESH DRAWN: VAD

CHECKED: JEL CHECKED: ESH

INDIANA
DEPARTMENT OF TRANSPORTATION

**SHEET SIGN &
POST SUMMARY TABLE**

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	1802805
SURVEY BOOK	SHEETS
N/A	22 of 34
CONTRACT	PROJECT
N/A	1802805

UNDERDRAIN TABLE																											
UNDERDRAIN PIPE LIMITS	UNDERDRAIN PIPE										OUTLET PIPE								OUTLET PROTECTORS						REMARKS		
	Type 4 Pipe		GEOTEXTILE FOR UNDERDRAINS	AGGREGATE FOR UNDERDRAINS	HMA FOR UNDERDRAINS	SPECIAL GRADE	FLOW LINE ELEVATION @ UNDERDRAIN PIPE LIMIT	OUTLET PIPE REQUIRED (Y/N)	CONNECT UNDERDRAIN PIPE TO STRUC. NO.	STRUCTURE INVERT ELEVATION	45 DEG ELBOWS REQUIRED (1 OR 2)	6" OUTLET PIPE	OUTLET STATION	OUTLET ELEVATION	OUTLET AT OUTLET PROTECTOR NO.	DITCH FLOW LINE ELEVATION AT OUTLET PROTECTOR	CONNECT OUTLET PIPE TO STRUC. NO.	STRUCTURE INVERT ELEVATION	B BORROW FOR STRUCTURE BACKFILL	HMA FOR UNDERDRAINS	OUTLET PROTECTOR NO.	OUTLET PROTECTOR T	Location				
	4"	6"																					LFT	LFT		SYS	CYS
LINE "PR-B" LEFT SIDE																											
10+20.00			230	230		29		-0.20%	519.54																		
12+50.00									519.80	Y		2	20.00	12+50.00	519.02	1	517.02				1	1	X				
12+50.00			50	54		7		6.46%	519.80	Y		2	20.00	12+50.00	519.02	1	517.02				1	1	X				
13+00.00									522.31																		
13+00.00			260	207		22			525.40	N																	
15+60.00									525.40	N																	
15+60.00			40.0	32		3			524.58																		
16+00.00									524.58																		
16+00.00			37.0	29		3			524.42	N																	
16+37.00									524.42	N																	
16+37.00			113.0	90		10			526.26																		
17+50.00									526.26	N																	
17+50.00			168.5	134		15			528.33																		
19+18.52																											
LINE "PR-B" RIGHT SIDE																											
10+20.00			230	229		29		-0.20%	519.66																		
12+50.00									519.02	Y		2	60.00	12+50.00	519.02	2	517.02				2	1	X			Outlet On Opposite Side of the Roadway	
12+50.00			50	55		7		6.26%	519.02	Y		2	60.00	12+50.00	519.02	2	517.02				2	1	X			Outlet On Opposite Side of the Roadway	
13+00.00									522.33																		
13+00.00			118	94		10			524.70	N																	
14+17.92									524.70																		
15+52.00									525.37	N																	
16+00.00			48.0	38		4			524.55																		
16+00.00									524.55																		
16+00.00			37.0	29		3			524.36	N																	
16+37.00									524.36	N																	
16+37.00			113.0	90		10			526.25																		
17+50.00									526.25	N																	
17+50.00			168.5	134		15			528.37																		
19+18.52																											
LINE "PR-S-1-B" LEFT SIDE																											
10+50.00									523.59																		
11+37.00			87	69		8			523.13	N																	
11+37.00									523.13	N																	
11+37.00			138	110		12			524.09																		
12+75.00									524.09	N																	
12+75.00			40	32		3			524.81																		
13+15.00																											
LINE "PR-S-1-B" RIGHT SIDE																											
10+50.00									523.59																		
11+37.00			87	69		8			523.13	N																	
11+37.00									523.13	N																	
11+37.00			113	90		10			523.80																		
12+50.00									523.80	N																	
12+50.00			65	52		6			524.81																		
13+15.00																											
TOTAL			2193	1867		214							160														

File Name: P:\RD\CDD\19-488_Study for Roundabout\Road\Drawings\Plans\Underdrain Table.dwg Plot Date: 3/13/2023 Plotted By: Eric Harrod



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DESIGNED: ESH	DRAWN: VAD	
CHECKED: JEL	CHECKED: ESH	

INDIANA
DEPARTMENT OF TRANSPORTATION

UNDERDRAIN TABLE

HORIZONTAL SCALE N/A	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 1802805
SURVEY BOOK N/A	SHEETS 24 of 34
CONTRACT N/A	PROJECT 1802805

STRUCTURE DATA

Main data table with columns for Structure Number, Location (Station, Left, Right, Cross, Offset, Size), Description, Flow Line, Undercut, Scour Protection, Grated Box End Section, Safety Metal End Section, Connect to Str., Culvert Asset ID, and Remarks. Rows include structures 10-111.

PIPE MATERIAL SELECTION table with columns for Int. Des., Conc., Plastic Pipe, Clay, Corrugated Steel Pipe / Pipe-Arch, Cor. Alum. Pipe / Pipe-Arch, Spiral Rib Steel Pipe, and Structural Plate Pipe / Pipe-Arch. Rows list various pipe materials and their specifications.

File Name: P:\RD\CD\19-488-Stacy for Roundabout\Road\Drawings\Structure Data and Pipe Material Tabling.dwg Plot Date: 3/13/2023 Plotted By: Eric Harmon



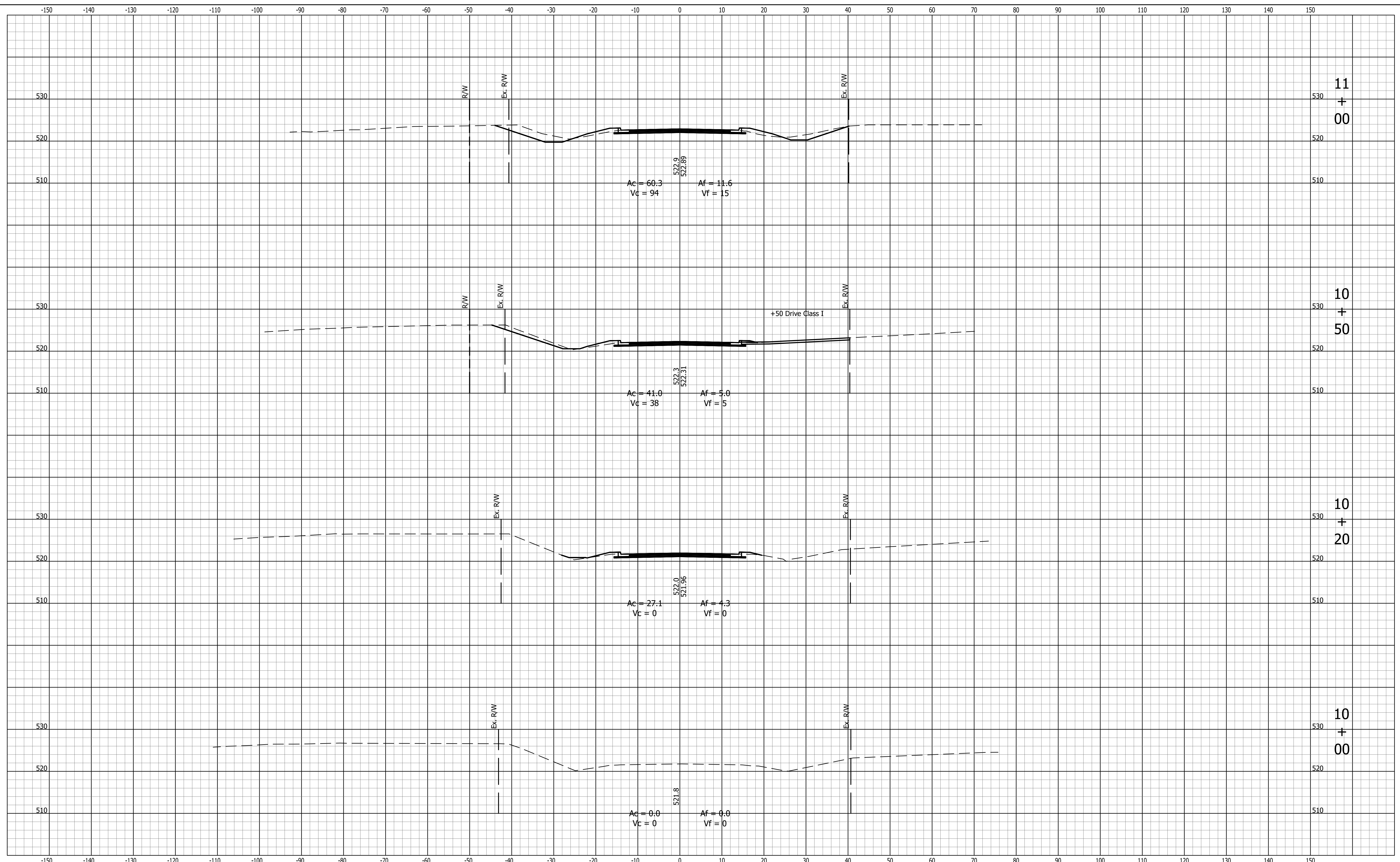
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RECOMMENDED FOR APPROVAL section with fields for Design Engineer and Date, and a signature line.

INDIANA DEPARTMENT OF TRANSPORTATION
STRUCTURE DATA & PIPE MATERIAL SELECTION TABLE

Table with 2 columns: HORIZONTAL SCALE, BRIDGE FILE, VERTICAL SCALE, DESIGNATION, SURVEY BOOK, SHEETS, CONTRACT, PROJECT. Values include N/A, 1802805, 25, and 34.

File Name: P:\RD\CSD\19-488_Study for Roundabout\Road\Draw\Plans\Cross Sections Pre-Draw\Plot Date: 3/13/2023 Plotted By: Eric Harmed



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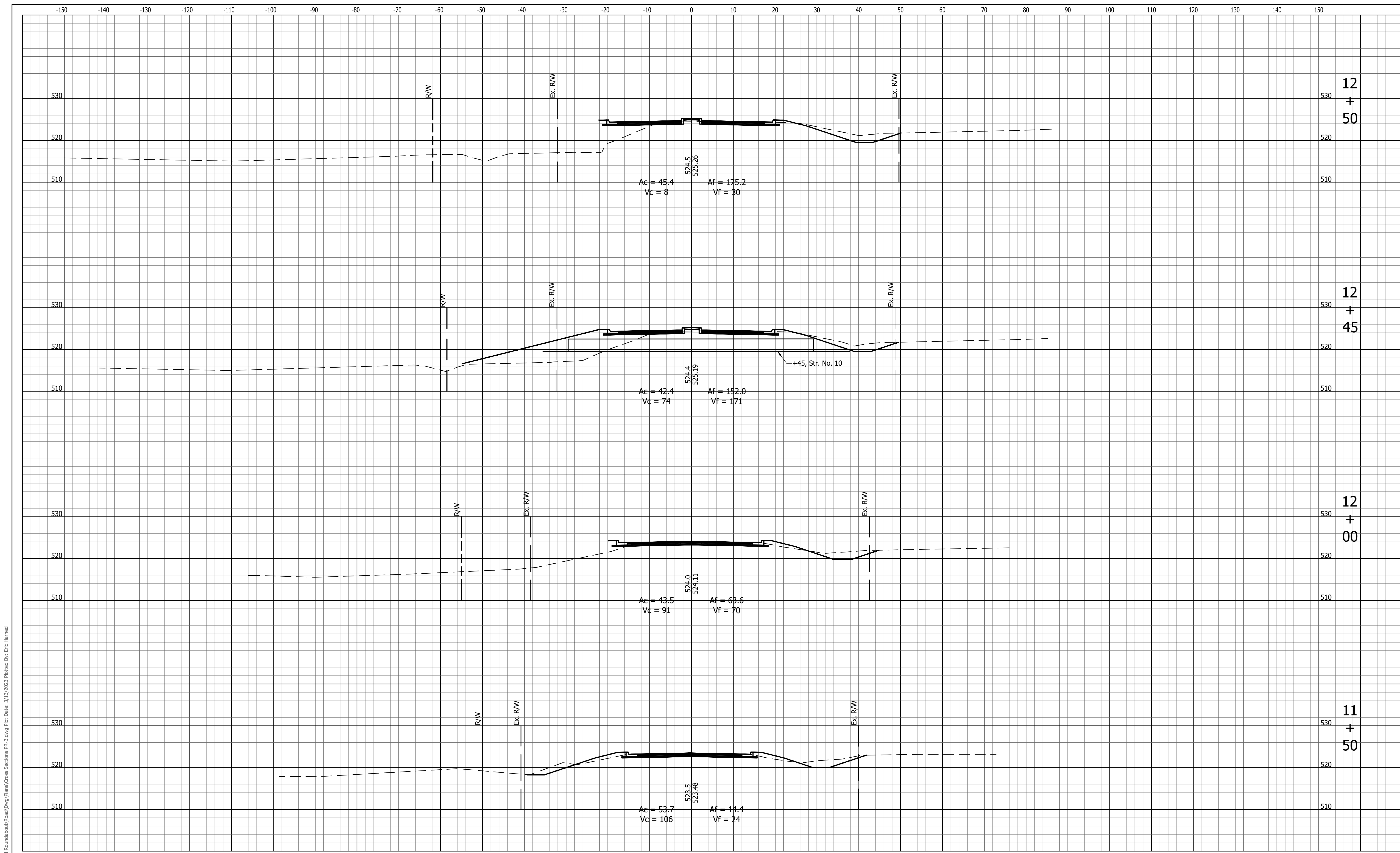
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 DESIGN ENGINEER DATE

DESIGNED: ESH DRAWN: VAD
 CHECKED: JEL CHECKED: ESH

INDIANA
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 LINE "PR-B" (COUNTY ROAD 403)

HORIZONTAL SCALE 1" = 10'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 10'	DESIGNATION 1802805
SURVEY BOOK N/A	SHEETS 26 of 34
CONTRACT N/A	PROJECT 1802805



File Name: P:\RD\CAD\19-488_Study for Roundabout\Road\Drawings\Plans\Cross Sections\Pr-Rel.dwg Plot Date: 3/13/2023 Plotted By: Eric Harmed

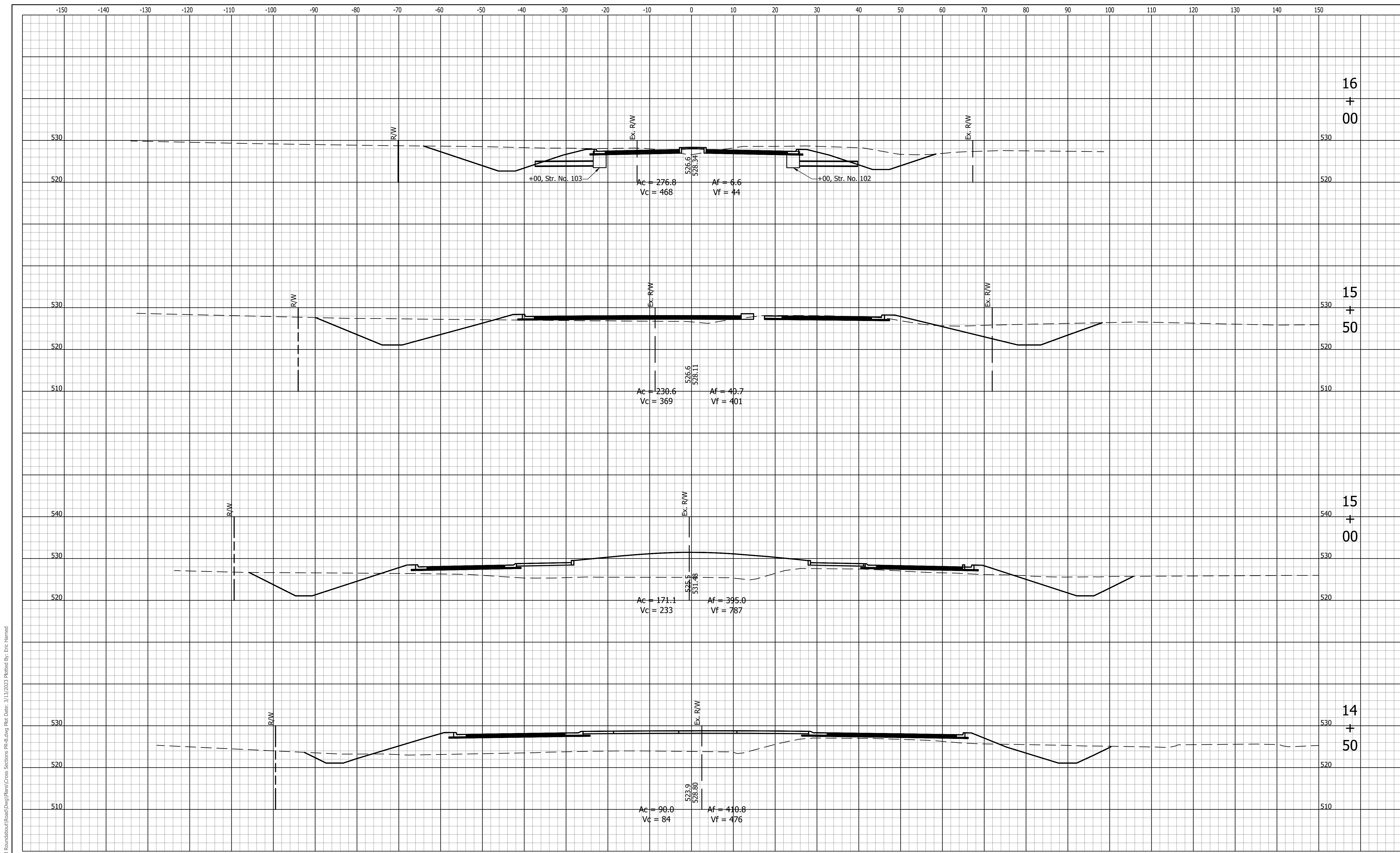


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DESIGNED: ESH	DRAWN: VAD				
CHECKED: JEL	CHECKED: ESH				

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 DEPARTMENT OF TRANSPORTATION
 CROSS SECTIONS
 LINE "PR-B" (COUNTY ROAD 403)

HORIZONTAL SCALE 1" = 10'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 10'	DESIGNATION 1802805
SURVEY BOOK N/A	SHEETS 27 of 34
CONTRACT N/A	PROJECT 1802805



File Name: P:\RD\CSD\19-488_Study for Roundabout\Road\Draw\Plans\Cross Sections\Pr-Rdwg.rvt Date: 3/13/2023 Plotted By: Eric Hammed



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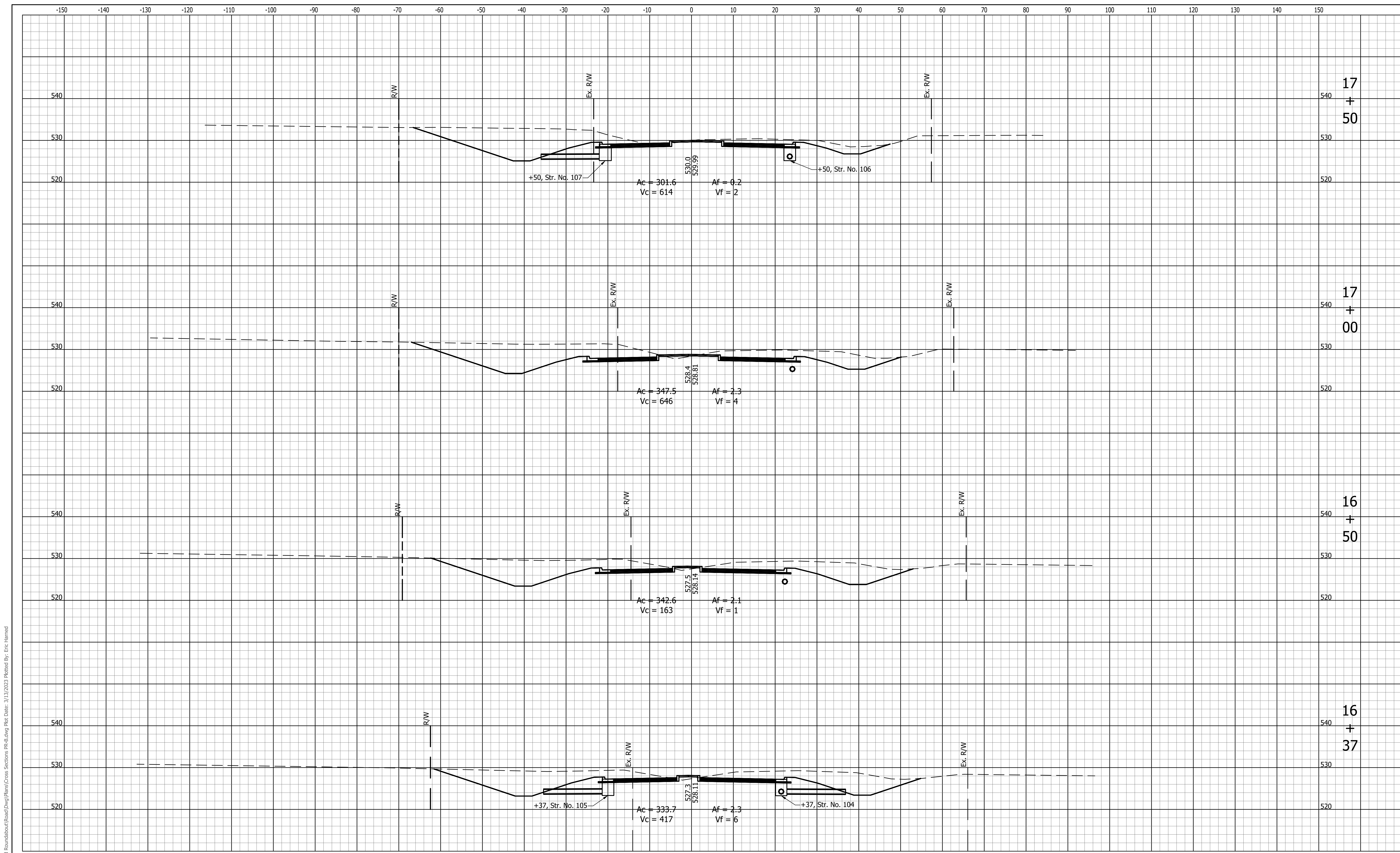
RECOMMENDED FOR APPROVAL _____
 DESIGN ENGINEER _____ DATE _____

DESIGNED: ESH DRAWN: VAD
 CHECKED: JEL CHECKED: ESH

INDIANA
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 LINE "PR-B" (COUNTY ROAD 403)

HORIZONTAL SCALE 1" = 10'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 10'	DESIGNATION 1802805
SURVEY BOOK N/A	SHEETS 29 of 34
CONTRACT N/A	PROJECT 1802805



File Name: P:\RD\CAD\19-488_Study for Roundabout\Road\Drawings\Plans\Cross Sections\Pre-Relay\Plot Date: 3/13/2023 Plotted By: Eric Harmed



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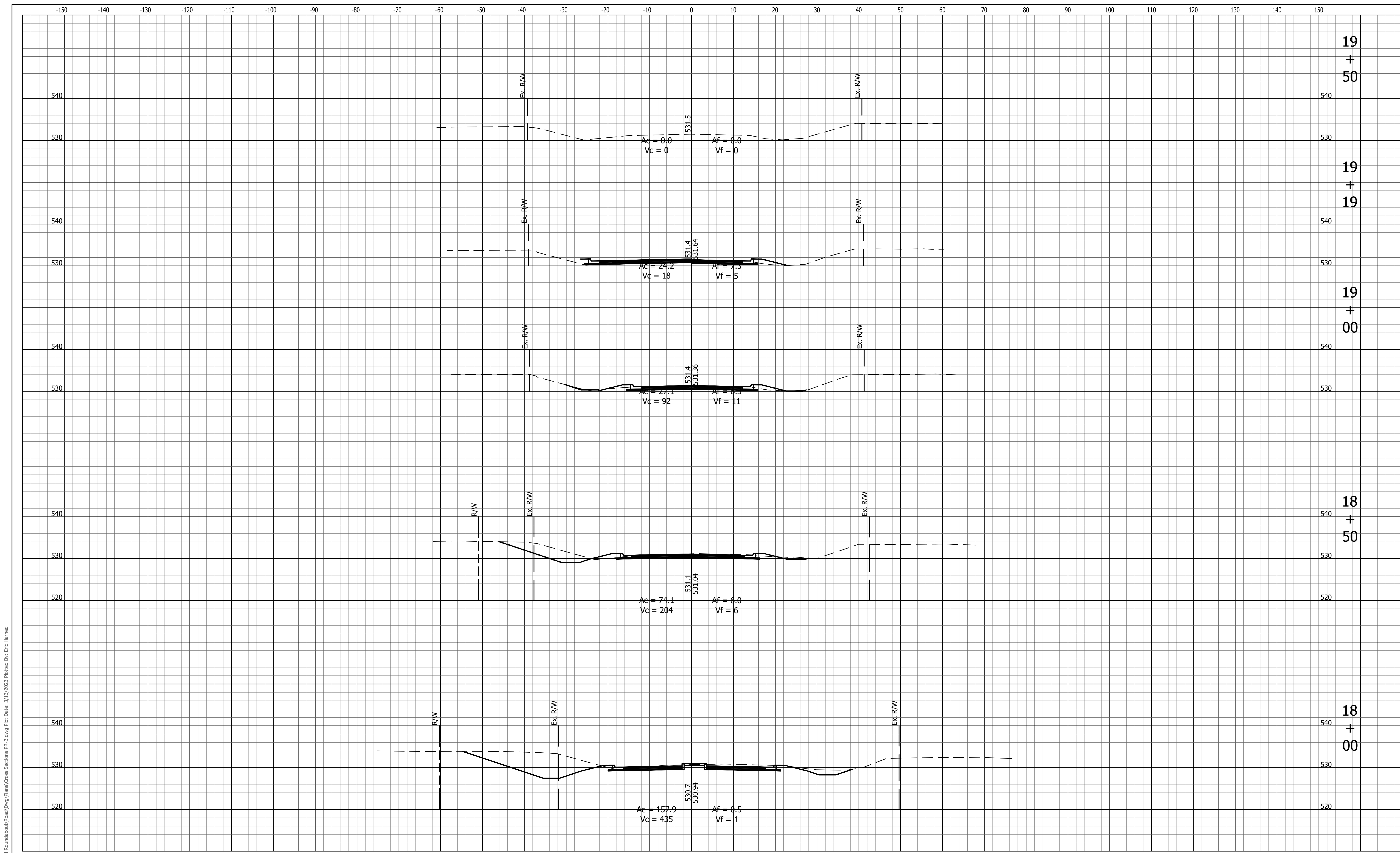
RECOMMENDED FOR APPROVAL _____
 DESIGN ENGINEER DATE

DESIGNED: ESH DRAWN: VAD
 CHECKED: JEL CHECKED: ESH

INDIANA
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 LINE "PR-B" (COUNTY ROAD 403)

HORIZONTAL SCALE 1" = 10'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 10'	DESIGNATION 1802805
SURVEY BOOK N/A	SHEETS 30 of 34
CONTRACT N/A	PROJECT 1802805



File Name: P:\RD\CSD\19-488_Study for Roundabout\Road\Draw\Plans\Cross Sections\Pr-Road\Draw\Plans\Cross Sections\Pr-Road.dwg Plot Date: 3/13/2023 Plotted By: Eric Harmed



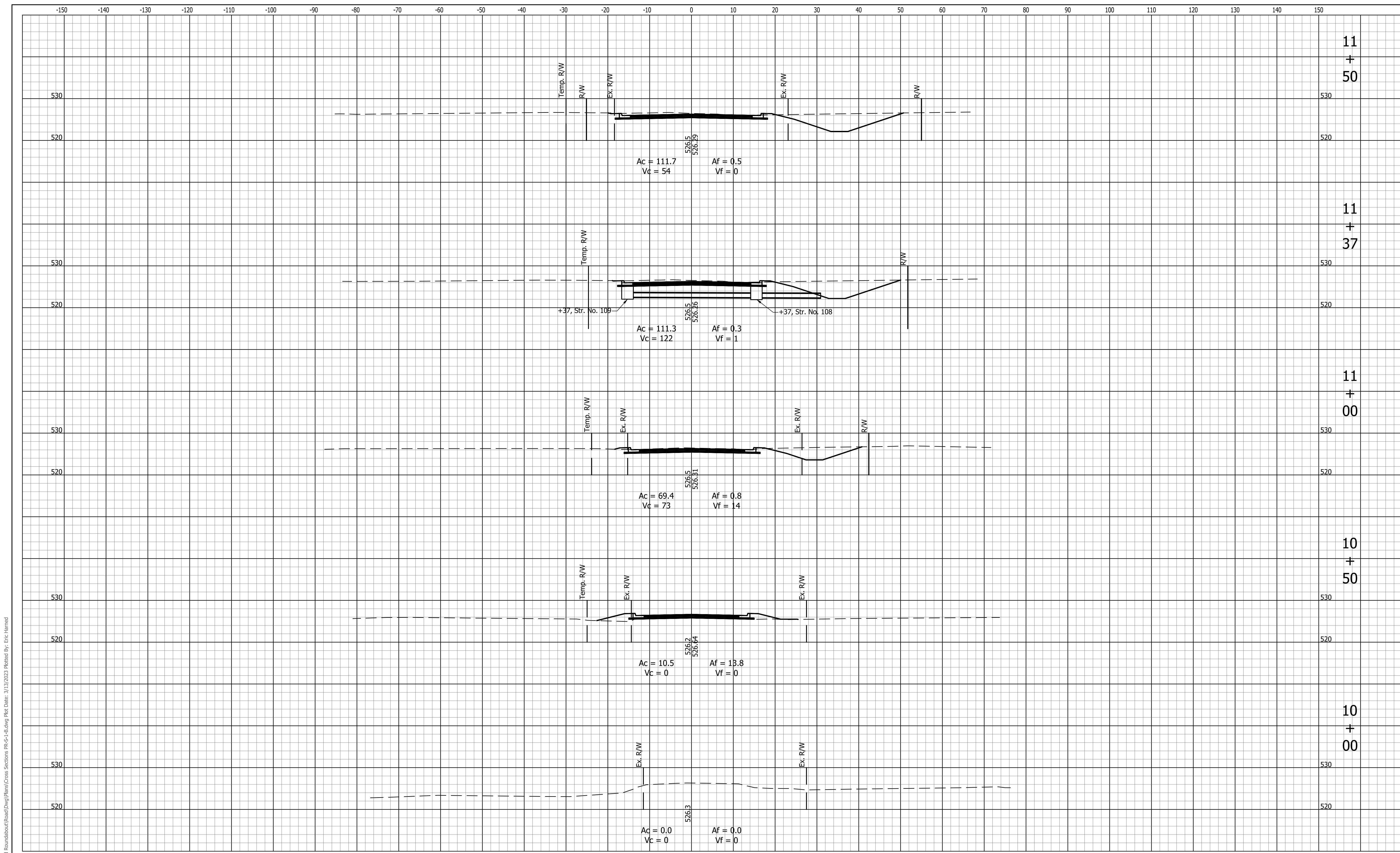
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RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____		DATE _____	
DESIGNED: ESH	DRAWN: VAD				
CHECKED: JEL	CHECKED: ESH				

INDIANA
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 LINE "PR-B" (COUNTY ROAD 403)

HORIZONTAL SCALE 1" = 10'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 10'	DESIGNATION 1802805
SURVEY BOOK N/A	SHEETS 31 of 34
CONTRACT N/A	PROJECT 1802805



File Name: P:\RD\CAD\19-488 Stacy for Roundabout\Road\Draw\Plans\Cross Sections PR-S-1-B.dwg Plot Date: 3/13/2023 Plotted By: Eric Harned



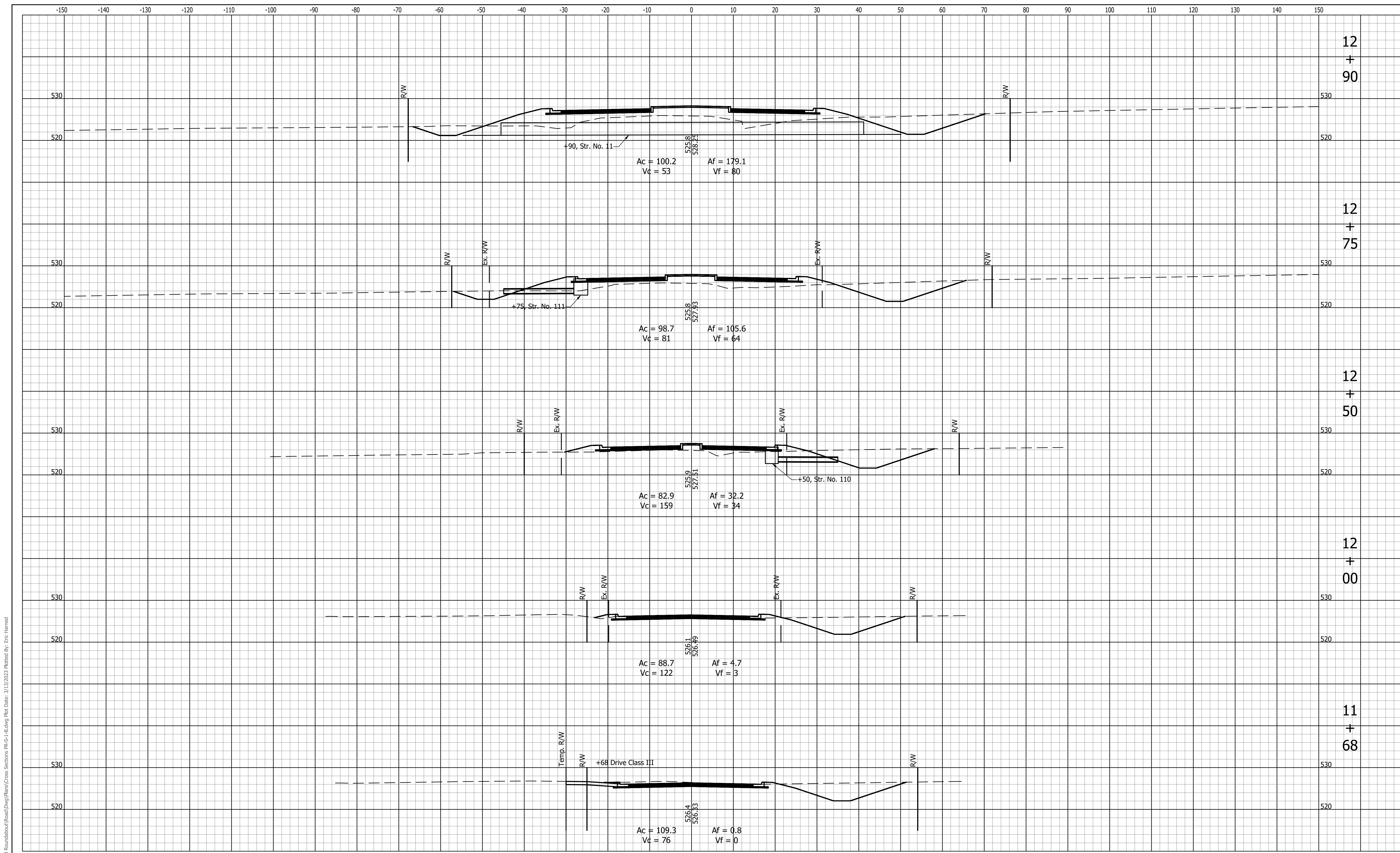
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RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____		DATE _____	
DESIGNED: ESH	DRAWN: VAD				
CHECKED: JEL	CHECKED: ESH				

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-S-1-B" (STACY ROAD)

HORIZONTAL SCALE 1" = 10'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 10'	DESIGNATION 1802805
SURVEY BOOK N/A	SHEETS 32 of 34
CONTRACT N/A	PROJECT 1802805



File Name: P:\RD\CD\19-488 Stacy for Roundabout\Road\Draw\Plans\Cross Sections PR-S-1-B.dwg Plot Date: 3/13/2023 Plotted By: Eric Harned



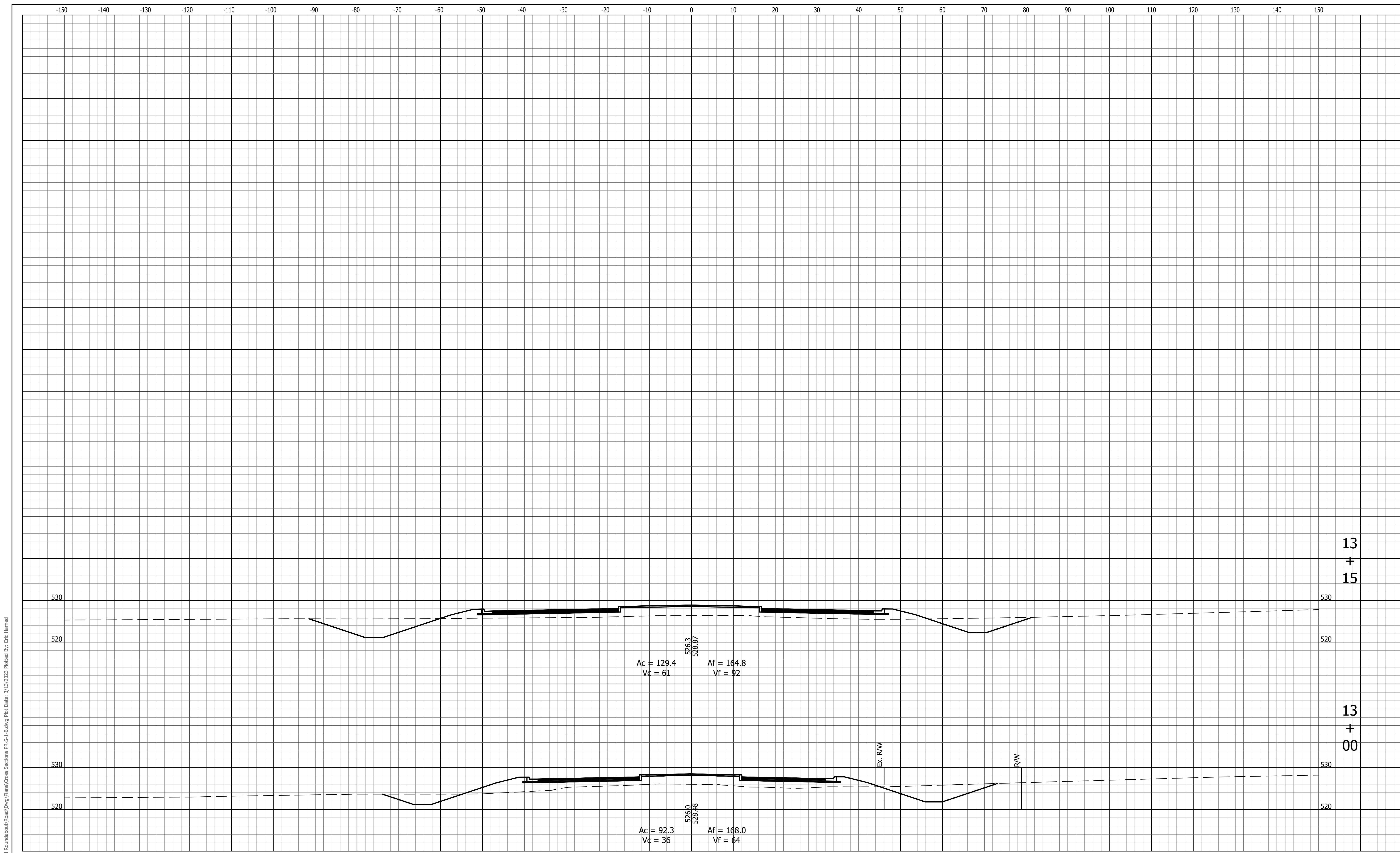
8440 Allison Pointe Boulevard, Suite 200
 Indianapolis, IN 46250
 Phone 317-895-2585
 www.ucindy.com

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____	
DESIGNED: ESH	DRAWN: VAD		
CHECKED: JEL	CHECKED: ESH		

INDIANA
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 LINE "PR-S-1-B" (STACY ROAD)

HORIZONTAL SCALE 1" = 10'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 10'	DESIGNATION 1802805
SURVEY BOOK N/A	SHEETS 33 of 34
CONTRACT N/A	PROJECT 1802805



File Name: P:\RD\CAD\19-488 Stacy for Roundabout\Road\Drawings\Plans\Cross Sections PR-S-1-B.dwg Plot Date: 3/13/2023 Plotted By: Eric Harned



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RECOMMENDED FOR APPROVAL _____
 DESIGN ENGINEER DATE

DESIGNED: ESH DRAWN: VAD
 CHECKED: JEL CHECKED: ESH

INDIANA
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 LINE "PR-S-1-B" (STACY ROAD)

HORIZONTAL SCALE 1" = 10'	BRIDGE FILE N/A
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SURVEY BOOK N/A	SHEETS 34 of 34
CONTRACT N/A	PROJECT 1802805