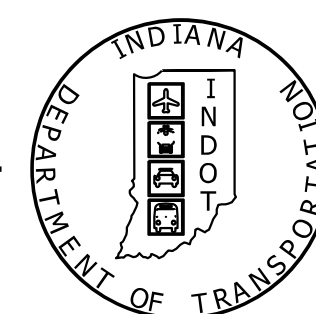


PROJECT	DESIGNATION
1800086	1800086
CONTRACT	
R-42595	

KIN DESIGNATION	
DES. NO.	DESCRIPTION
1800199-LEAD	INTERSECTION IMPROVEMENT

INDIANA DEPARTMENT OF TRANSPORTATION



ROAD PLANS

ROUTE: SR 45 FROM RP 41+48 TO RP 41+84
INTERSECTION IMPROVEMENT WITH
ADDED LANES

PROJECT NO. 1800086 P.E.
1800086 R/W
1800086 CONST.

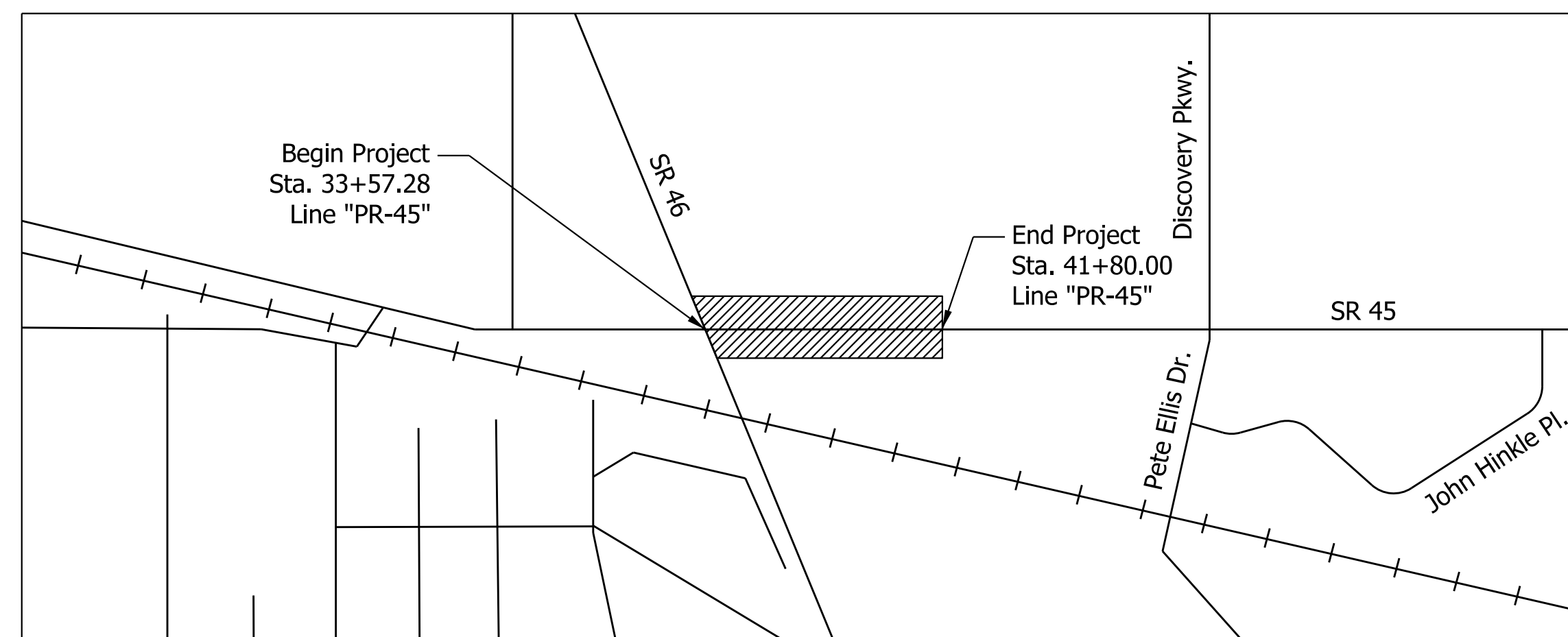
Project Description:

Intersection improvement with added lanes on SR 45 from SR 46 to west of Pete Ellis Drive / Discovery Parkway, in the City of Bloomington, in Sections 34 & 35, T-9-N, R-1-W, Bloomington Township, Monroe County, Indiana.

Gross Length: 0.16 Miles

Net Length: 0.16 Miles

Maximum Grade: 5.01%

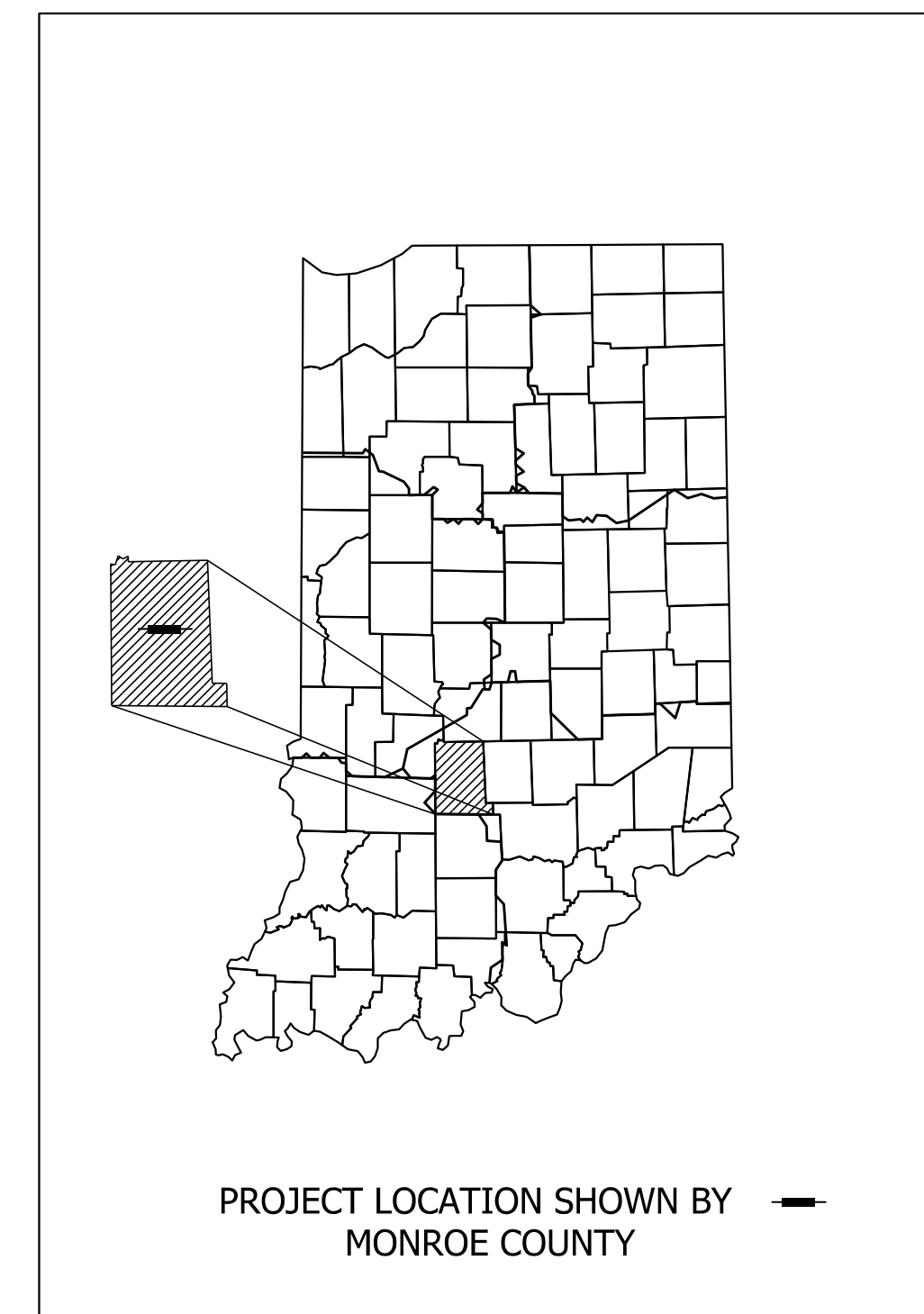


Project Location

Location Map
Monroe County
Scale: 1" = 2000'

Note to Reviewer:
Stage 2 Plans Not for Construction

TRAFFIC DATA		SR 45
A.A.D.T.	(2019)	15,165 V.P.D.
A.A.D.T.	(2044)	16,475 V.P.D.
D.H.V	(2044)	1771 V.P.H.
DIRECTIONAL DISTRIBUTION		50/50
TRUCKS		3.44 % A.A.D.T. 4.44 % D.H.V.
DESIGN DATA		SR 45
DESIGN SPEED		40 M.P.H.
PROJECT DESIGN CRITERIA		4R, NON-FREEWAY
FUNCTIONAL CLASSIFICATION		URBAN COLLECTOR
RURAL/URBAN		URBAN
TERRAIN		LEVEL
ACCESS CONTROL		NONE



LATITUDE: 39° 10' 19" N LONGITUDE: 86° 30' 05" W
HUC12 No.: 051202080801

STAGE 2
NOVEMBER 30, 2022

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

CMT
Copyright CMT, Inc.
8790 PURDUE ROAD
INDIANAPOLIS, IN 46268-6128
PHONE: (317) 298-4500

NOT FOR
CONSTRUCTION

PLANS PREPARED BY: CRAWFORD, MURPHY & TILLY, INC. (317) 298-4500 PHONE NUMBER
CERTIFIED BY: _____ 8/21/2023 DATE
APPROVED FOR LETTING: _____ DATE
INDIANA DEPARTMENT OF TRANSPORTATION

BRIDGE FILE	
DESIGNATION	
1800086	
SHEETS	
SURVEY BOOK	1 of 46
CONTRACT	PROJECT
R-42595	1800086

UTILITIES

Duke Energy- Electric
Jared Dickey
390 N. Main Street
Martinsville, IN 46151
(812) 343-6271
jared.dickey@duke-energy.com

Everstream Telecommunications
Ean Elder
731 W. Henry Street
Indianapolis, IN 46201
(317) 508-6346
eelder@everstream.net

Duke Energy- Electric
Dewayne Wright
390 N. Main Street
Martinsville, IN 46151
(317) 838-2044
DEI-Tline-Coord@duke-energy.com

Bloomington Utilities
Jane Fleig
600 E. Miller Road
Bloomington, IN 47402
(812) 349-3631
fleigi@bloomington.in.gov

Smithville Communications
Joe Brynarski
1600 W. Temperance Street
Ellettsville, IN 47429
(812) 935-2315
joe.brynarski@smithville.com

Zayo Bandwidth
Waylon Higgins
8209 Castlegate Drive
Indianapolis, IN 46256
(765) 341-1199
waylon.higgins@zayo.com

Indiana University
Pankoj K. Patel
820 N. Walnut
Bloomington, IN 47405
(812) 855-7894
ppatel@iu.edu

Comcast Cable
Richard Miller
2520 Endress Place
Greenwood, IN 46143
(317) 945-2670
richard_miller3@comcast.com

CenterPoint Energy- Gas
Alec Schory (EN)
11555 N. Meridian Street, Ste 220
Carmel, IN 46032
(317) 671-7298
aschory@enengineering.com

AT&T Distribution
Russ Owens
240 N. Meridian Street
Indianapolis, IN 46204
(812) 334-4629
ms4822@att.com

AT&T Transmission
Luke Dillow (JMC)
222 W. Jackson Street
Woodstock, IN 60098
(812) 334-4629
ldillow@jmcceinc.com

GENERAL NOTES

- All earth shoulders and cut and fill slopes shall be plain or mulch seeded, except where sodding is specified.
- The Contractor shall ensure that safe access is maintained to all residences and businesses during all phases of construction.
- All removal items not paid for directly will be included in the lump sum cost of "Clearing Right of Way."
- It is the Contractor's responsibility to contact any and all utility companies within the limits of the project three weeks prior to any construction.
- The Contractor shall verify all drainage structure and pipe types, material, wall thickness, inverts, depths, diameter, sizes and conditions prior to ordering materials for adjustments, connections, extensions or alterations. The Contractor shall assume responsibility for proper fit.
- The Contractor shall transition pavement slope through corner radii at a constant rate so as to match the adjacent typical sections. Wedge and level material or other material accepted by the Engineer shall be used as necessary to provide positive drainage of the intersections.
- Existing curb types may vary at streets. The Contractor shall inspect curb prior to beginning work to assure proper fit and transition.
- The Contractor shall ensure that positive drainage is maintained along curb and gutter flowlines and at intersections after the completion of curb ramp construction.
- Sidewalks and curb ramps have been designed to a cross slope of 1.50% or as specified otherwise herein. If field conditions differ, the Contractor shall ensure sidewalk and curb ramp cross slope is no greater than 2.00% in final constructed condition.

INDEX

SHEET NO.	DRAWINGS INDEX
1	TITLE SHEET
2	INDEX & GENERAL NOTES
3 - 6	TYPICAL CROSS SECTIONS
7 - 8	LOCATION CONTROL ROUTE SURVEY
9	PLAT NO. 1
10 - 11	PLAN AND PROFILE
12 - 13	RIGHT OF WAY DETAILS
14 - 17	DRAINAGE PROFILES
18 - 19	CONSTRUCTION DETAILS
23 - 24	PAVEMENT MARKING AND SIGN DETAILS
20 - 21	CURB RAMP DETAILS
25 - 26	UTILITY DETAILS
27	APPROACH TABLE
28 - 29	STRUCTURE DATA TABLE
30 - 46	CROSS SECTIONS

REVISIONS

SHEET NO.	DATE	REVISED

Note to Reviewer:
Maintenance of Traffic Plans for Des. 1800086 are combined with kin lead Des. 1800199 MOT and are included in the Des. 1800199 plan set.

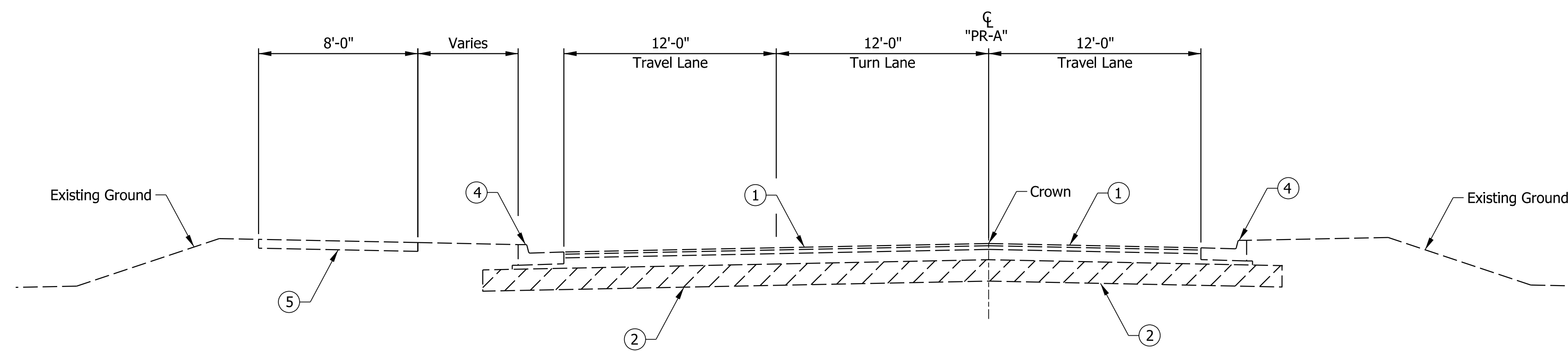
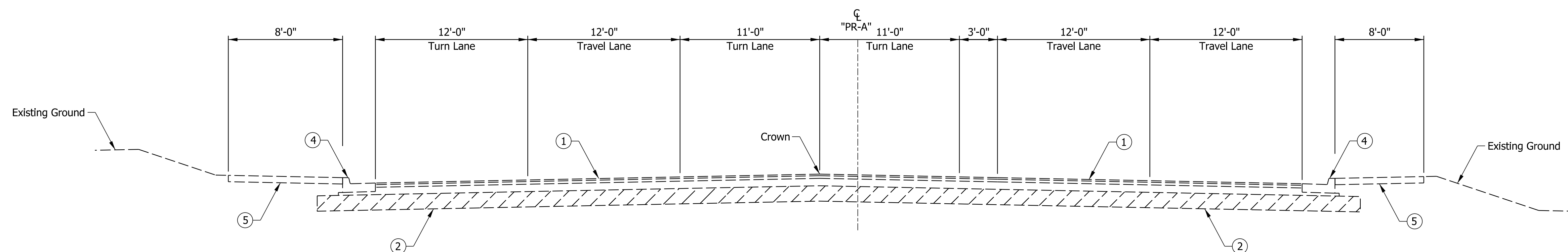
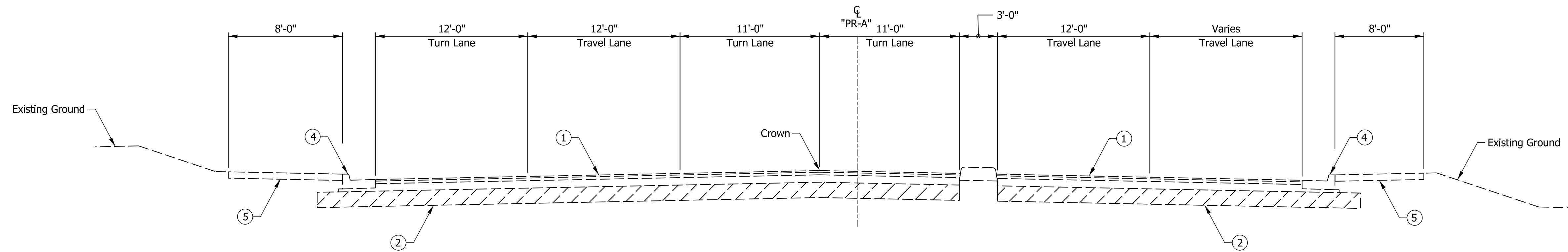
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____		DATE _____	
DESIGNED: MLM	8/21/2023	DRAWN: MLM	8/21/2023		
CHECKED: KLT	8/21/2023	CHECKED: KLT	8/21/2023		

INDIANA DEPARTMENT OF TRANSPORTATION

INDEX & GENERAL NOTES

SCALE	BRIDGE FILE
N/A	
	DESIGNATION
	1800086
SURVEY BOOK	SHEETS
	2 of 46
CONTRACT	PROJECT
R-42595	1800086



- Legend:**
- ① Existing Asphalt Pavement
 - ② Existing Subgrade
 - ④ Existing Curb and Gutter
 - ⑤ Existing Sidewalk / Multi-Use Path

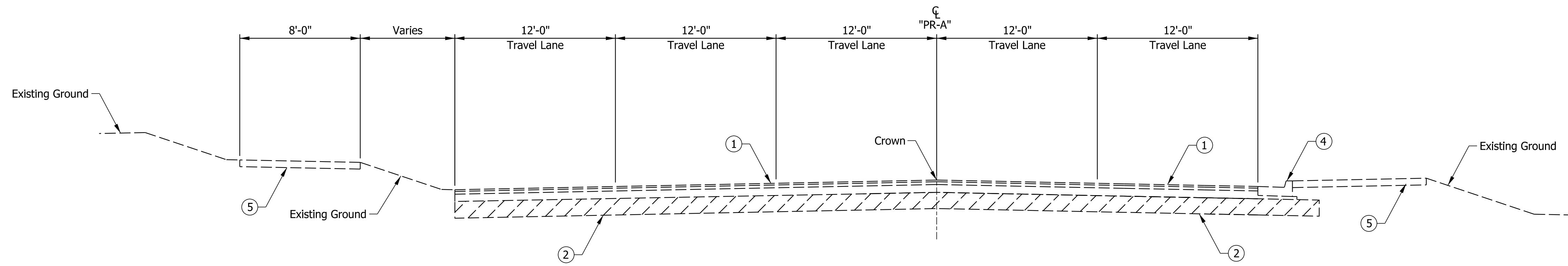
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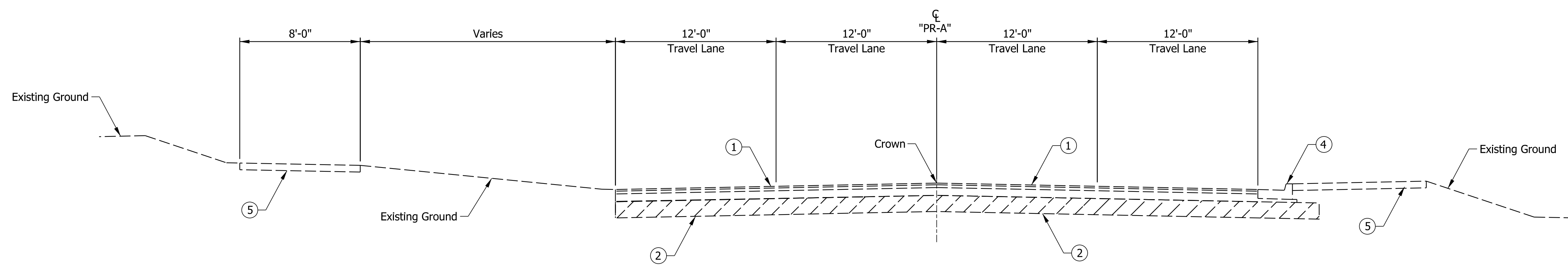
**INDIANA
DEPARTMENT OF TRANSPORTATION**

**EXISTING TYPICAL SECTIONS
SR 45**

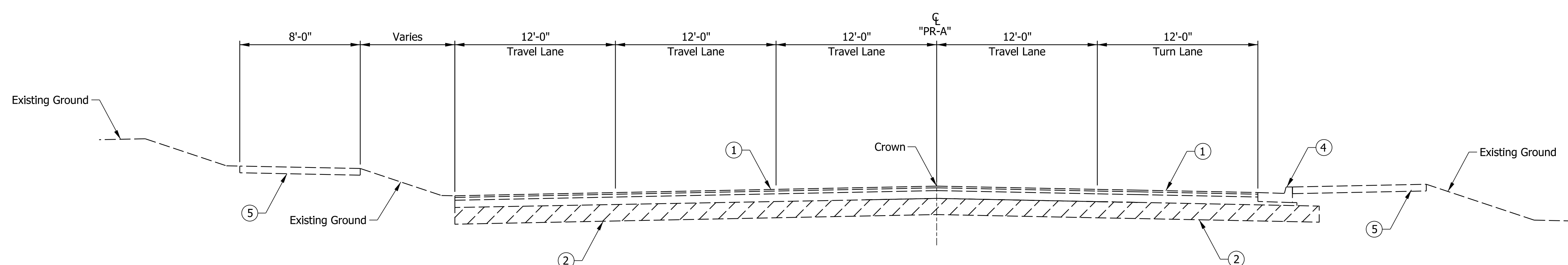
SCALE 1"=5'	BRIDGE FILE
	DESIGNATION 1800086
SURVEY BOOK	SHEETS \$TYP_01_AL\$ of 46
CONTRACT R-42595	PROJECT 1800086



EXISTING TYPICAL SECTION SR 45
 STA. 42+98 "PR-A" to STA. 45+44 "PR-A"



EXISTING TYPICAL SECTION SR 45
 STA. 45+44 "PR-A" to STA. 47+39 "PR-A"



EXISTING TYPICAL SECTION SR 45
 STA. 47+39 "PR-A" to STA. 49+77.79 "PR-A"

- Legend:**
- ① Existing Asphalt Pavement
 - ② Existing Subgrade
 - ④ Existing Curb and Gutter
 - ⑤ Existing Sidewalk / Multi-Use Path

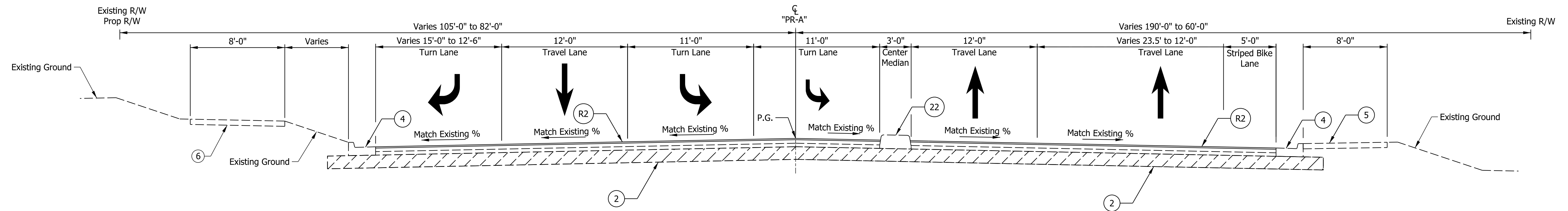
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INDIANA DEPARTMENT OF TRANSPORTATION

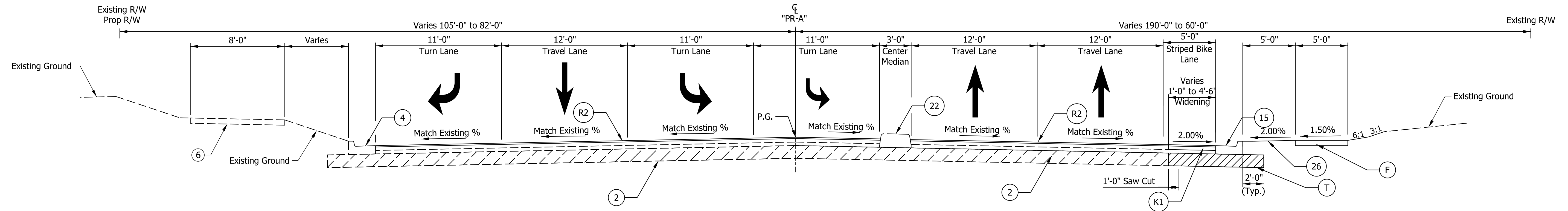
EXISTING TYPICAL SECTIONS SR 45

SCALE 1"=5'	BRIDGE FILE
	DESIGNATION 1800086
SURVEY BOOK	SHEETS \$TYP_02_AL\$ of 46
CONTRACT R-42595	PROJECT 1800086



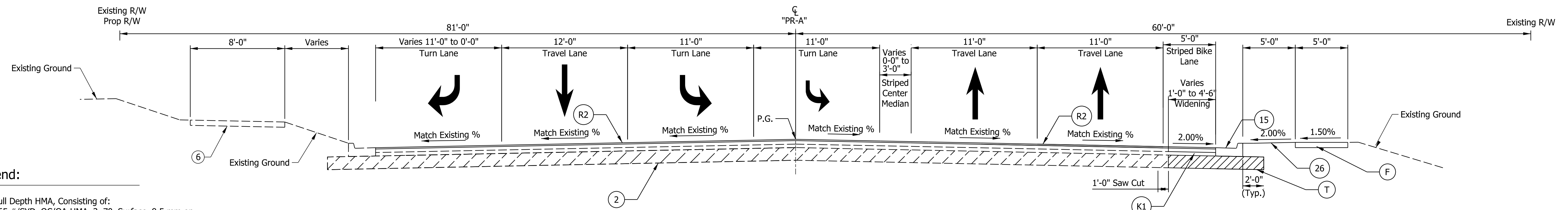
TYPICAL SECTION SR 45

STA. 33+57.28 "PR-45" to STA 35+20.36 "PR-45"



TYPICAL SECTION SR 45

STA. 35+20.36 "PR-45" to STA 36+22.03 "PR-45"



TYPICAL SECTION SR 45

STA. 36+22.03 "PR-45" to STA 37+49.50 "PR-45"

Legend:

- (K) Full Depth HMA, Consisting of:
165 #/SYD, QC/QA-HMA, 3, 70, Surface, 9.5 mm on
275 #/SYD, QC/QA-HMA, 3, 70, Intermediate, 19.0 mm on
440 #/SYD, QC/QA-HMA, 3, 70, Base, 25 mm on
440 #/SYD, QC/QA-HMA, 3, 70, Base, 25 mm on
- (R2) Asphalt Milling and Overlay, Consisting of:
Milling, Profile
165 #/SYD, QC/QA-HMA, 3, 70, Surface, 12.5 mm
- (T) Subgrade Treatment, Type IC
- (R1) HMA Wedge and Level, Type B
165 #/SYD, QC/QA-HMA, 3, 70, Surface, 9.5 mm on
275 #/SYD, QC/QA-HMA, 3, 70, Intermediate, 19.0 mm
- (F) Sidewalk, Concrete
- (D1) HMA for Sidewalks, Consisting of:
165 #/SYD, HMA Surface Type B on
275 #/SYD, HMA Intermediate Type B on
6 in. Compacted Aggregate #53, Base
- (15) Curb and Gutter, Concrete
- (16) Center Curb, A Concrete
- (17) Curb and Gutter, Modified
- (K1) Widening with HMA Type C, Consisting of:
165 #/SYD, QC/QA-HMA, 3, 70, Surface, 9.5 mm on
275 #/SYD, HMA Intermediate, Type C, 19.0 mm on
880 #/SYD, HMA Base, Type C
- (26) Seed Mixture, U
Fertilizer
Mulching Material
Plant Growth Layer
- (2) Existing Subgrade
- (4) Existing Curb and Gutter
- (5) Existing Sidewalk
- (6) Existing Multi-Use Path

Note to Reviewer

Pavement Design to be determined by INDOT and will be provided in a future submittal.

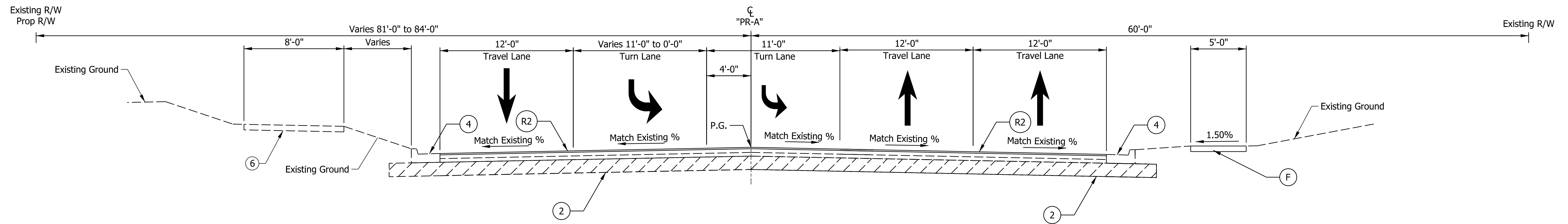
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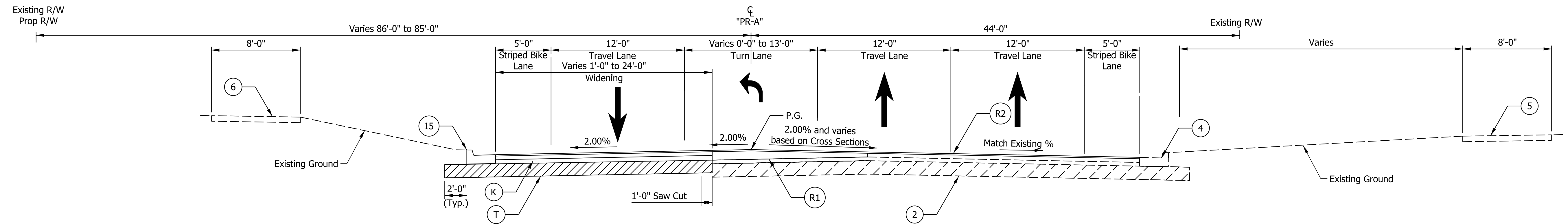
INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
SR 45

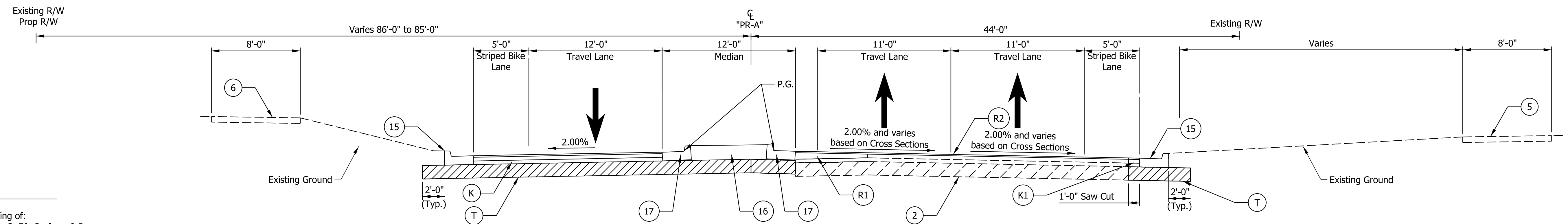
SCALE 1"=5'	BRIDGE FILE
	DESIGNATION 1800086
SURVEY BOOK	SHEETS \$TYP_03_AL\$ of 46
CONTRACT R-42595	PROJECT 1800086



TYPICAL SECTION SR 45
STA. 37+49.50 "PR-45" to STA 38+09.33 "PR-45"



TYPICAL SECTION SR 45
STA. 38+09.33 "PR-45" to STA 41+72.42 "PR-45"



TYPICAL SECTION SR 45
STA. 41+72.42 "PR-45" to STA 41+80.00 "PR-45"

Legend:

- (K) Full Depth HMA, Consisting of:
165 #/SYD, QC/QA-HMA, 3, 70, Surface, 9.5 mm on
275 #/SYD, QC/QA-HMA, 3, 70, Intermediate, 19.0 mm on
440 #/SYD, QC/QA-HMA, 3, 70, Base, 25 mm on
440 #/SYD, QC/QA-HMA, 3, 70, Base, 25 mm on
- (R2) Asphalt Milling and Overlay, Consisting of:
Milling, Profile
165 #/SYD, QC/QA-HMA, 3, 70, Surface, 12.5 mm
- (T) Subgrade Treatment, Type IC
- (R1) HMA Wedge and Level, Type B
165 #/SYD, QC/QA-HMA, 3, 70, Surface, 9.5 mm on
275 #/SYD, QC/QA-HMA, 3, 70, Intermediate, 19.0 mm
- (F) Sidewalk, Concrete
- (D1) HMA for Sidewalks, Consisting of:
165 #/SYD, HMA Surface Type B on
275 #/SYD, HMA Intermediate Type B on
6 in. Compacted Aggregate #53, Base
- (15) Curb and Gutter, Concrete
- (16) Center Curb, A Concrete
- (17) Curb and Gutter, Modified
- (K1) Widening with HMA Type C, Consisting of:
165 #/SYD, QC/QA-HMA, 3, 70, Surface, 9.5 mm on
275 #/SYD, HMA Intermediate, Type C, 19.0 mm on
880 #/SYD, HMA Base, Type C
- (26) Seed Mixture, U
Fertilizer
Mulching Material
Plant Growth Layer
- (2) Existing Subgrade
- (4) Existing Curb and Gutter
- (5) Existing Sidewalk
- (6) Existing Multi-Use Path

Note to Reviewer

Pavement Design to be determined by INDOT and will be provided in a future submittal.

NOT FOR CONSTRUCTION

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**INDIANA
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
SR 45**

SCALE 1"=5'	BRIDGE FILE
	DESIGNATION 1800086
SURVEY BOOK	SHEETS \$TYP_04_AL\$ of 46
CONTRACT R-42595	PROJECT 1800086

Des. No. 1800086

Des. No. 1800199

10 INDIANA UNIVERSITY FOUNDATION, INC.

- 1 STATE OF INDIANA PARCEL 6
- 2 CITY OF BLOOMINGTON, INDIANA
- 3 CITY OF BLOOMINGTON BOARD OF PUBLIC WORKS
- 4 STATE OF INDIANA PARCEL 6A
- 5 GRANT OF EASEMENT DUKE ENERGY INDIANA, LLC
- 6 STATE OF INDIANA PARCEL 8
- 7 STATE OF INDIANA PARCEL 6
- 8 PERPETUAL HIGHWAY EASEMENT STATE OF INDIANA PARCEL 5A
- 9 DUKE ENERGY INDIANA, LLC

Sec. 34, T 9 N, R 1 W
Bloomington Twp.
Monroe County

Sec. 35, T 9 N, R 1 W
Bloomington Twp.
Monroe County

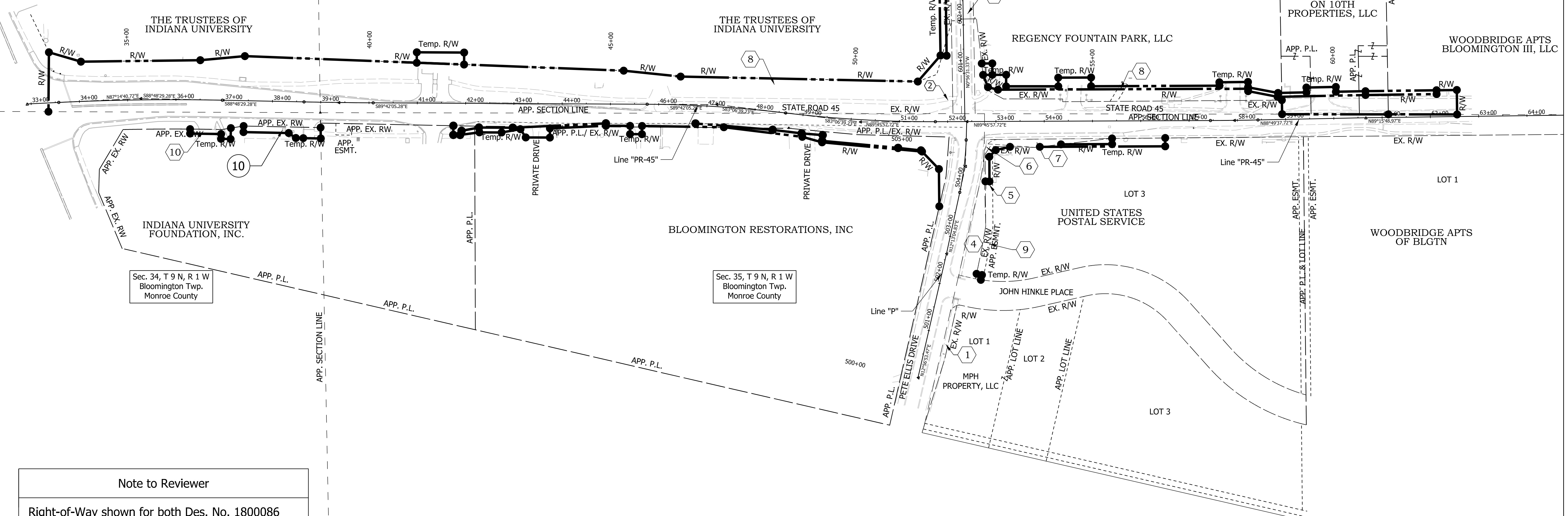
THE TRUSTEES OF
INDIANA UNIVERSITY

THE TRUSTEES OF
INDIANA UNIVERSITY

REGENCY FOUNTAIN PARK, LLC

HUNTER
TOWNHOUSES
ON 10TH
PROPERTIES, LLC

WOODBIDGE APTS
BLOOMINGTON III, LLC



Note to Reviewer

Right-of-Way shown for both Des. No. 1800086
and Des. No. 1800199.

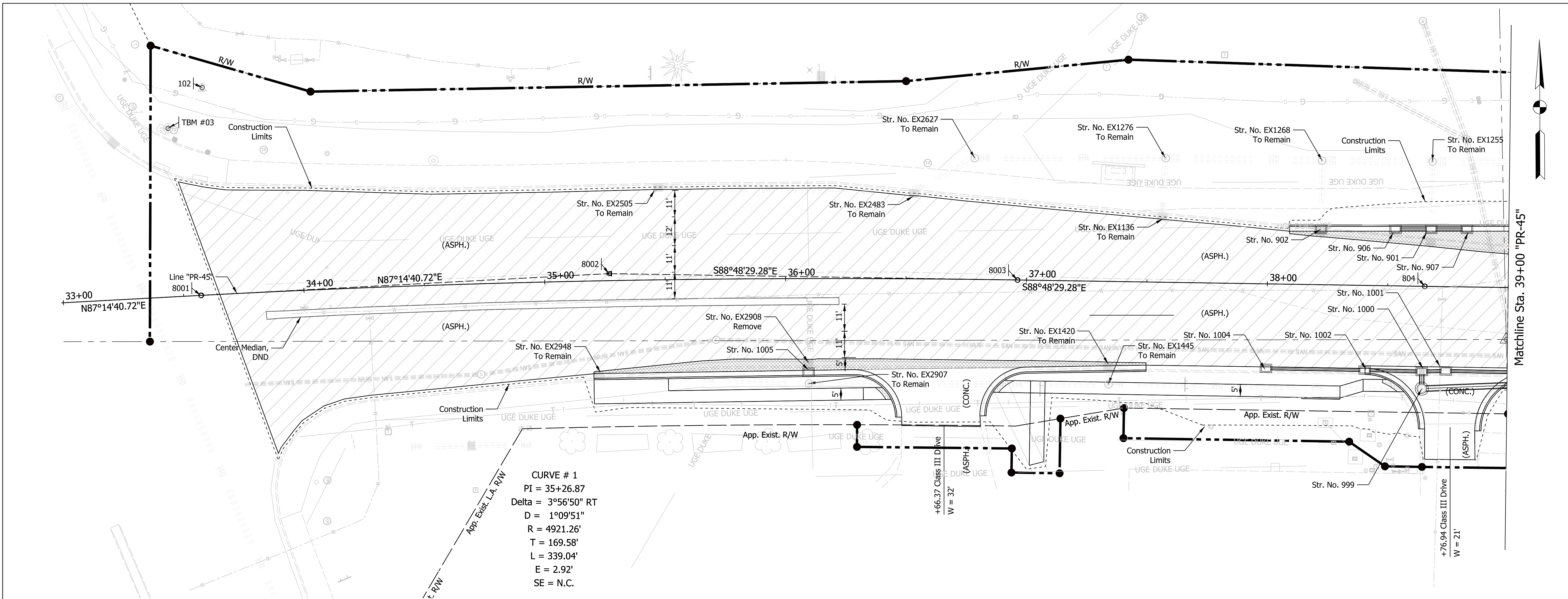
NOT FOR
CONSTRUCTION

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CHECKED: KLT	8/21/2023	CHECKED: KLT 8/21/2023

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAT NO. 1

SCALE 1"=100'	BRIDGE FILE
	DESIGNATION 1800086
SURVEY BOOK	SHEETS 9 of 46
CONTRACT R-42595	PROJECT 1800086



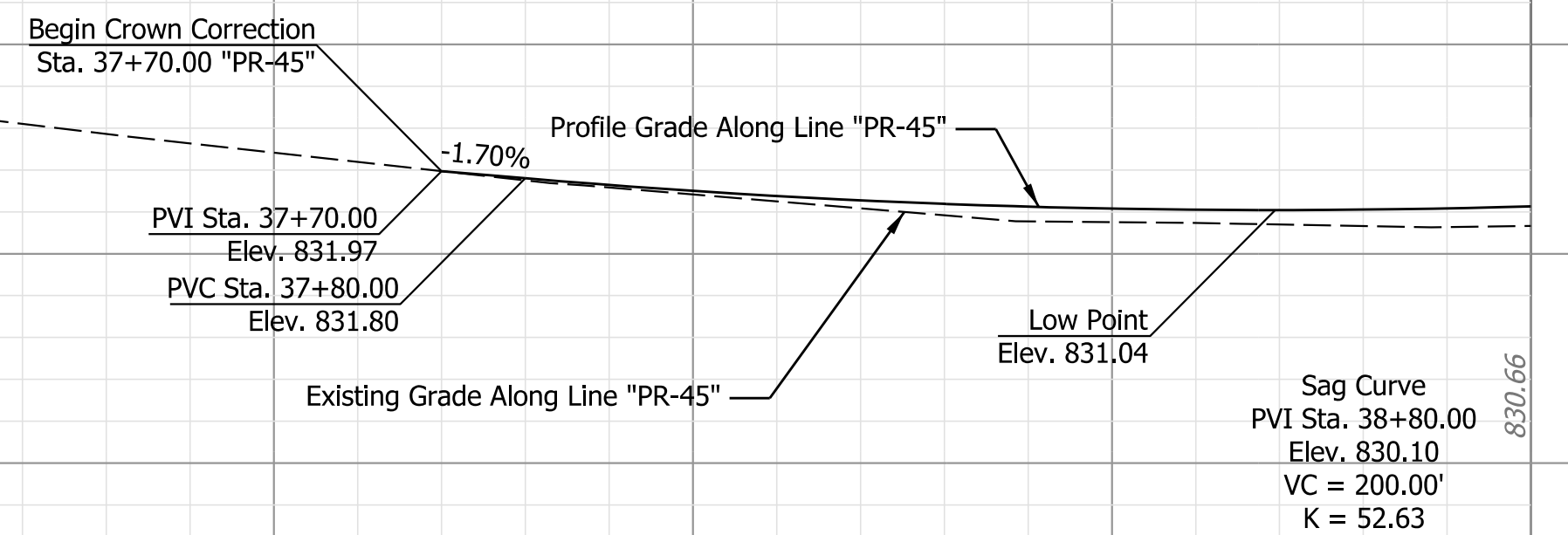
Matchline Sta. 39+00 "PR-45"

CURVE # 1
 PI = 35+26.87
 Delta = 3°56'50" RT
 D = 1°09'51"
 R = 4921.26'
 T = 169.58'
 L = 339.04'
 E = 2.92'
 SE = N.C.

EARTHWORK SUMMARY TABLE SR 45 (Line "PR-45") Common Excavation (CYS)	
Roadway & Grading	1207
Undercuts	0
Total Excavation	1207
Fill (CYS)	
Fill + 15 %	8
Waste (CYS)	1199
Benching (CYS)	NA
Rock Excavation (CYS)	
Roadway & Grading	0

BENCHMARK INFORMATION:
 TBM#03 - Cut "X" NE Corner Concrete Strain Pole Base NE Quad of SR 45 & SR 46.
 Sta. 33+47.25 "A", 70.03 Lt., Elev. 846.49

Note to Reviewer
 See Drainage Profile sheets for storm sewer details.



LEGEND	
	Widening - Full Depth HMA
	Resurfacing - Asphalt Milling and Overlay

8001 NORTH 198823.3815 EAST 786824.6182 	102 NORTH 198909.7550 EAST 786925.5960 	8002 NORTH 198831.5732 EAST 786994.0397 	8003 NORTH 198828.0103 EAST 787163.6306 	804 NORTH 198824.5379 EAST 787332.7045
33+57.15 "A", 0.04' Lt.	33+62.19 "A", 86.19' Lt.	35+26.70 "A", 2.91' Lt.	36+96.26 "A", 0.05' Rt.	P.C. 38+65.38 "A"

NOT FOR CONSTRUCTION

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CHECKED: KLT	8/21/2023	CHECKED: KLT 8/21/2023

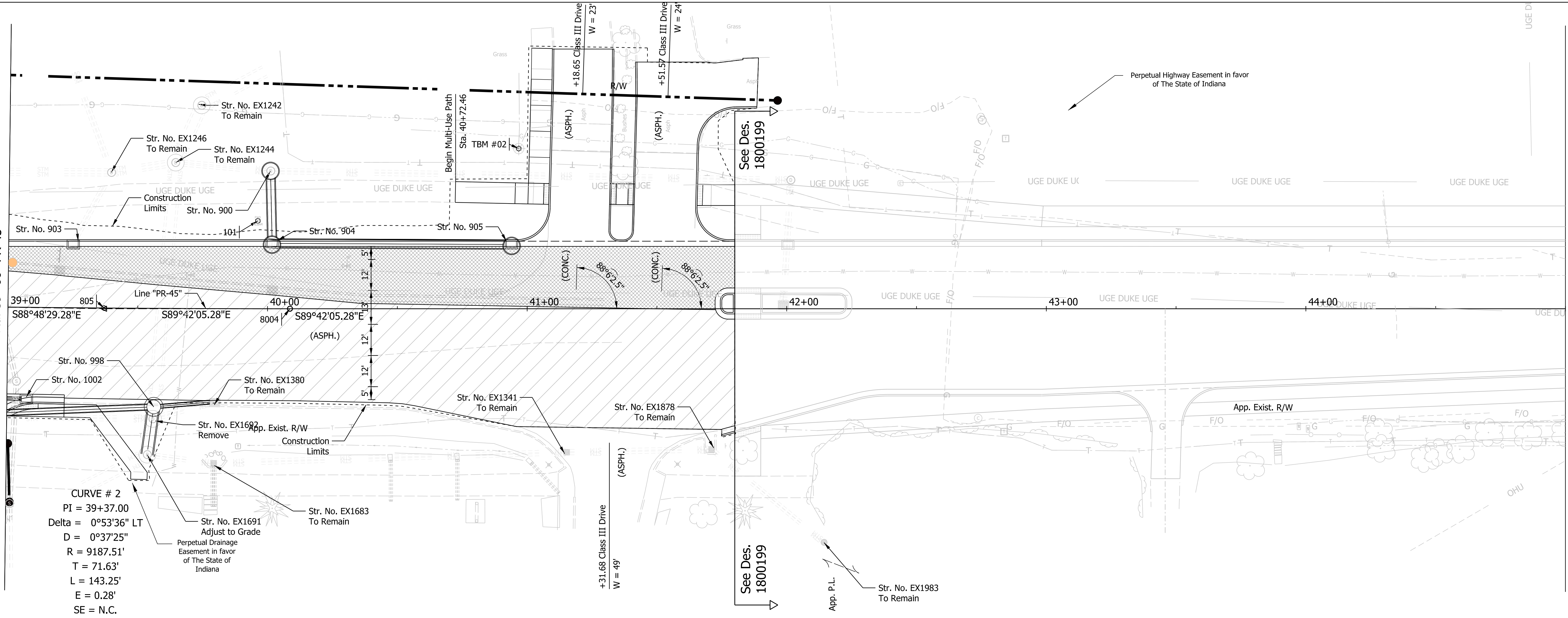
INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE LINE "PR-45"

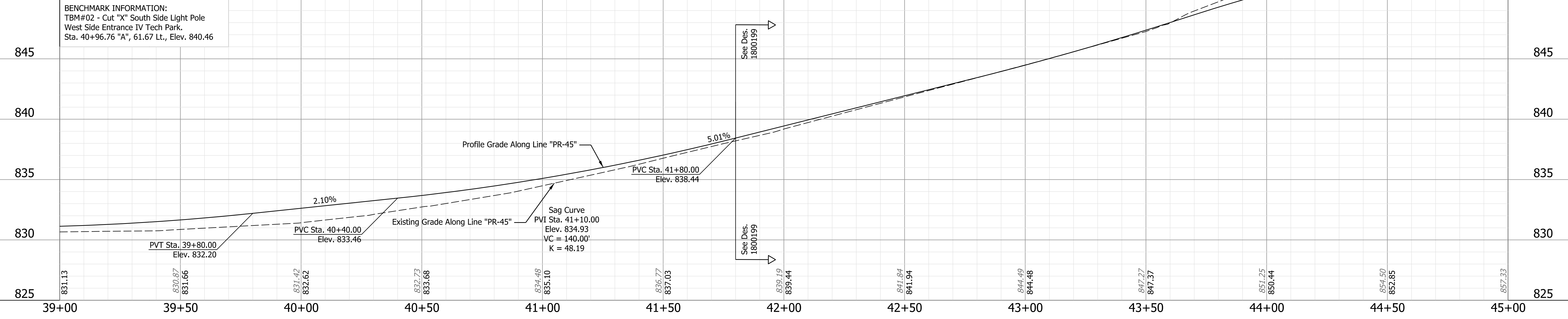
HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
1"=5'	1800086
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
R-42595	1800086

Matchline Sta. 39+00 "PR-45"

Matchline Sta. 45+00 "PR-45"



BENCHMARK INFORMATION:
TBM#02 - Cut "X" South Side Light Pole
West Side Entrance IV Tech Park.
Sta. 40+96.76 "A", 61.67 Lt., Elev. 840.46



LEGEND

- Widening - Full Depth HMA
- Resurfacing - Asphalt Milling and Overlay

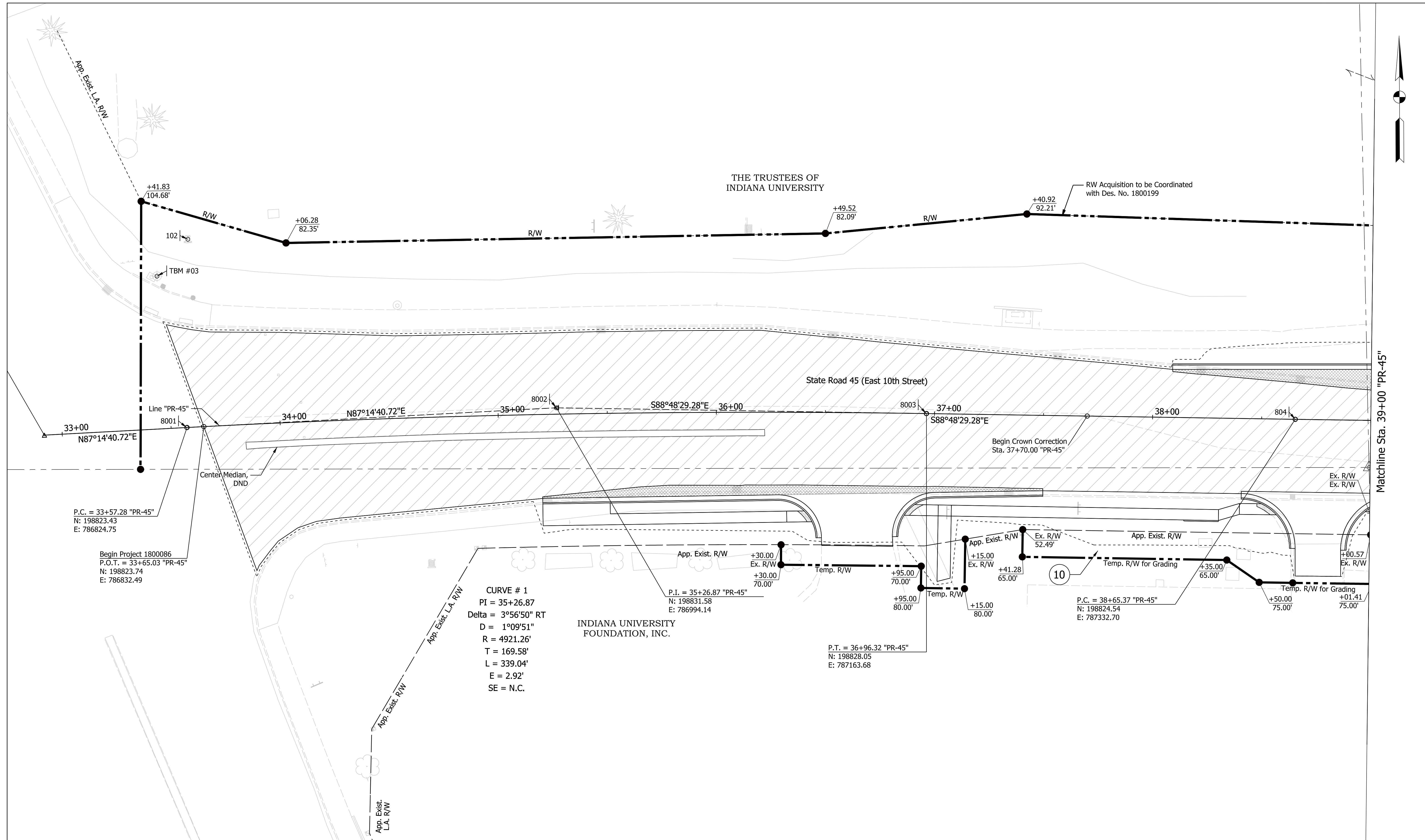
<p>805 NORTH 198823.0481 EAST 787404.3146</p> <p>P.I. 39+37.00 "A"</p>	<p>101 NORTH 198856.5720 EAST 787463.7540</p> <p>39+96.22 "A", 33.82' Lt.</p>	<p>8004 NORTH 198822.7111 EAST 787475.9506</p> <p>40+08.63 "A" 0.04' Lt.</p>	<p>100 NORTH 198839.0760 EAST 787944.5060</p> <p>44+77.10 "A", 18.84' Lt.</p>
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NOT FOR CONSTRUCTION

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INDIANA DEPARTMENT OF TRANSPORTATION	
PLAN AND PROFILE LINE "PR-45"	

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
1"=5'	1800086
SURVEY BOOK	SHEETS
	11 of 46
CONTRACT	PROJECT
R-42595	1800086



Matchline Sta. 39+00 "PR-45"

CURVE # 1
 PI = 35+26.87
 Delta = 3°56'50" RT
 D = 1°09'51"
 R = 4921.26'
 T = 169.58'
 L = 339.04'
 E = 2.92'
 SE = N.C.

P.C. = 33+57.28 "PR-45"
 N: 198823.43
 E: 786824.75

 Begin Project 1800086
 P.O.T. = 33+65.03 "PR-45"
 N: 198823.74
 E: 786832.49

P.I. = 35+26.87 "PR-45"
 N: 198831.58
 E: 786994.14

P.T. = 36+96.32 "PR-45"
 N: 198828.05
 E: 787163.68

P.C. = 38+65.37 "PR-45"
 N: 198824.54
 E: 787332.70

LEGEND

	Widening - Full Depth HMA
	Resurfacing - Asphalt Milling and Overlay

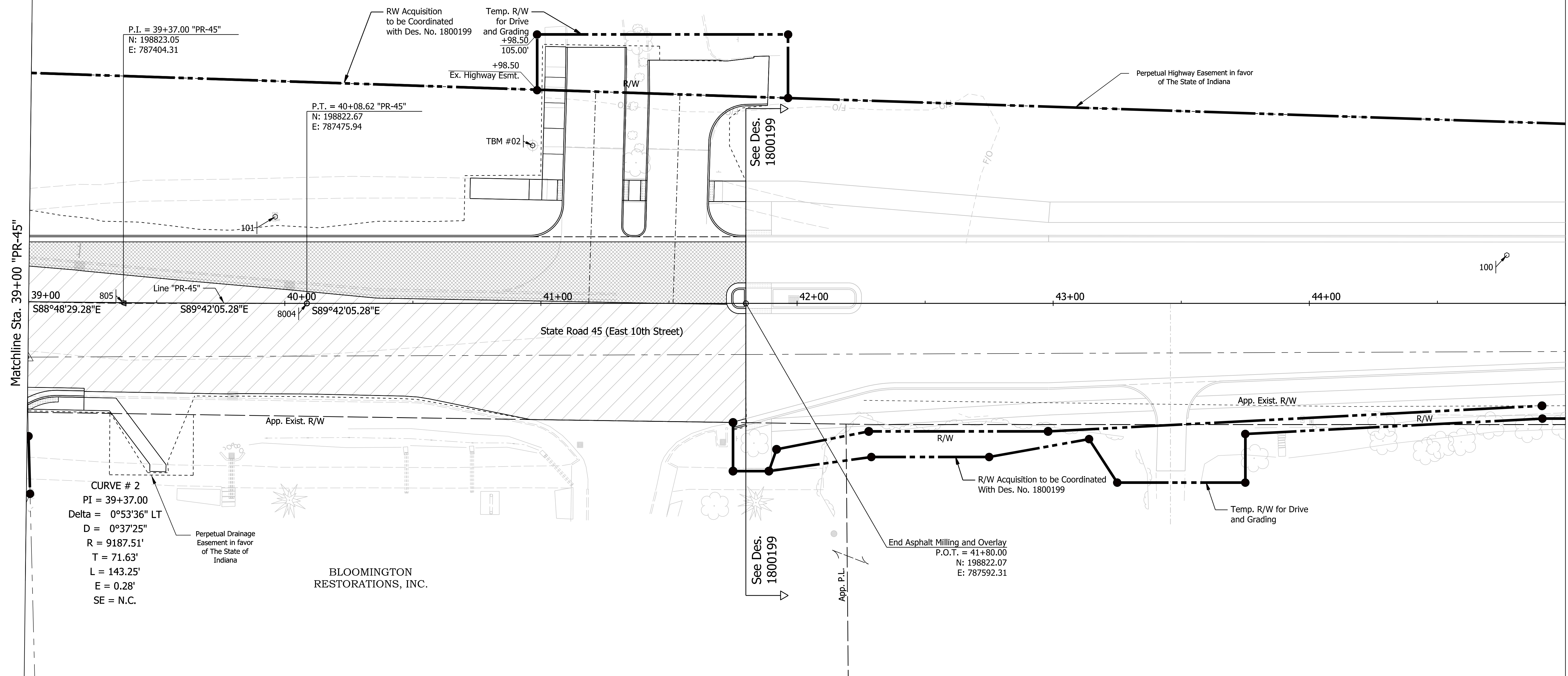
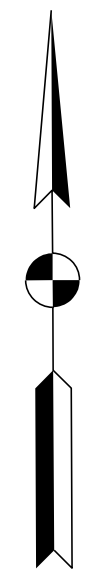
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____	
DESIGNED: MLM	8/21/2023	DRAWN: MLM	8/21/2023
CHECKED: KLT	8/21/2023	CHECKED: KLT	8/21/2023

INDIANA DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY DETAILS

SCALE 1"=20'	BRIDGE FILE
	DESIGNATION 1800086
SURVEY BOOK	SHEETS 12 of 46
CONTRACT R-42595	PROJECT 1800086



LEGEND

	Widening - Full Depth HMA
	Resurfacing - Asphalt Milling and Overlay

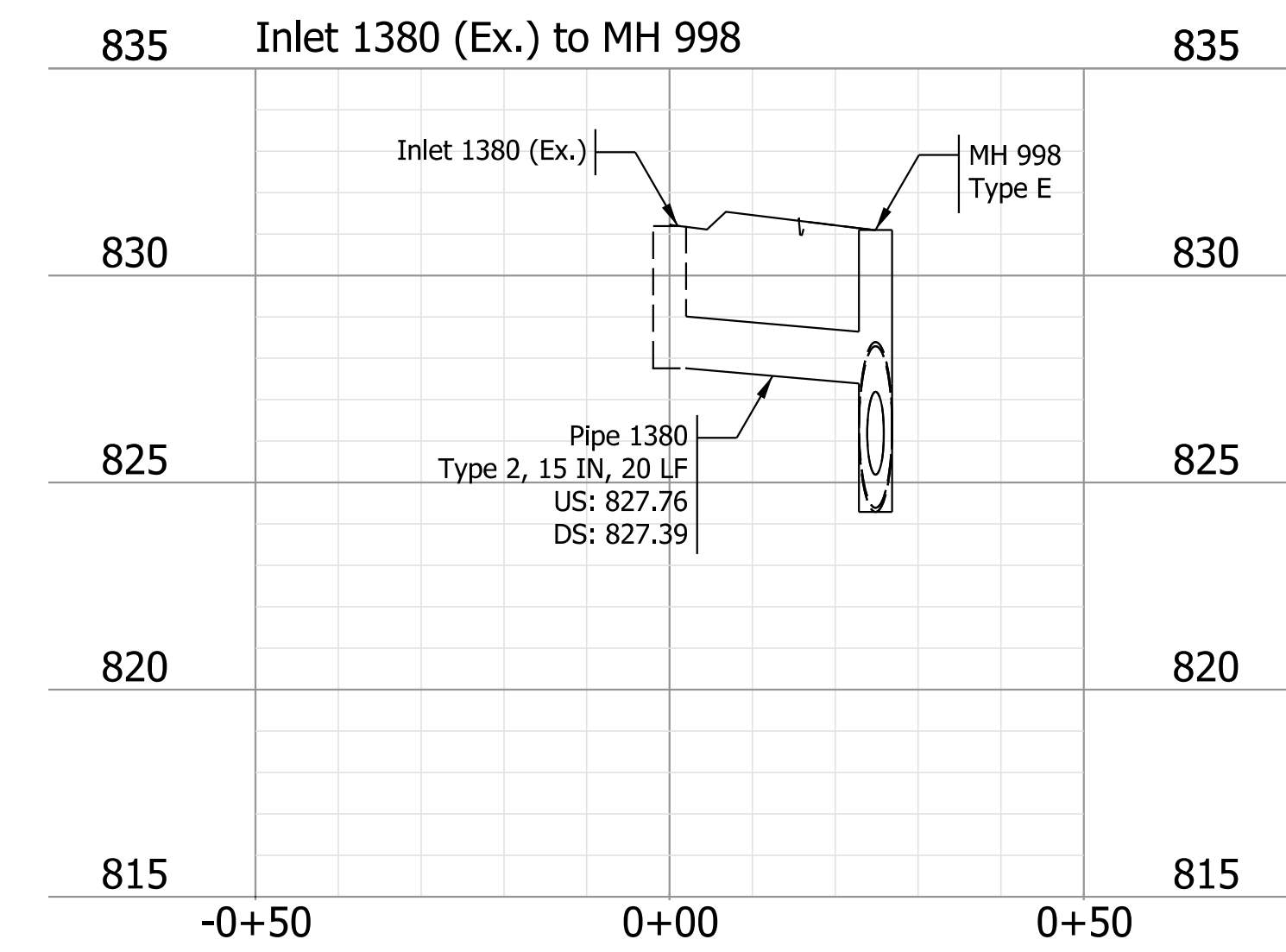
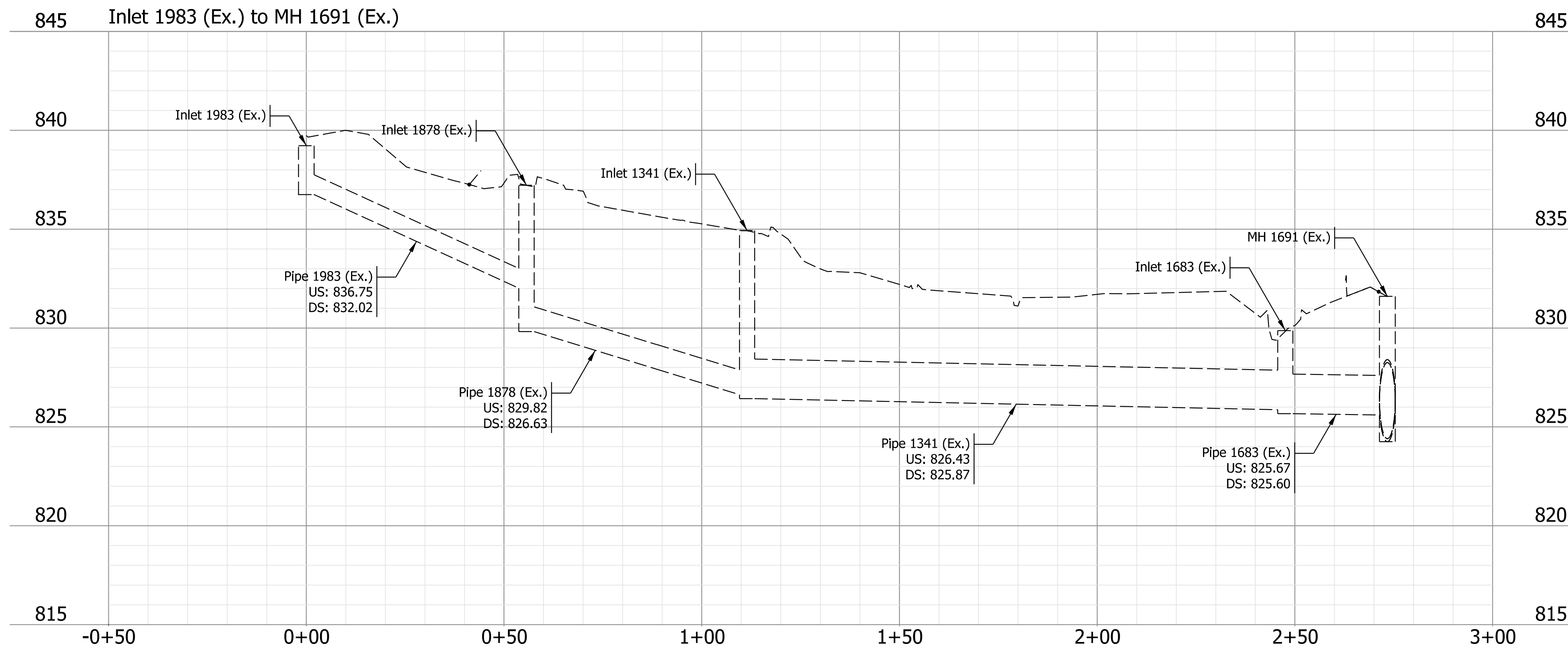
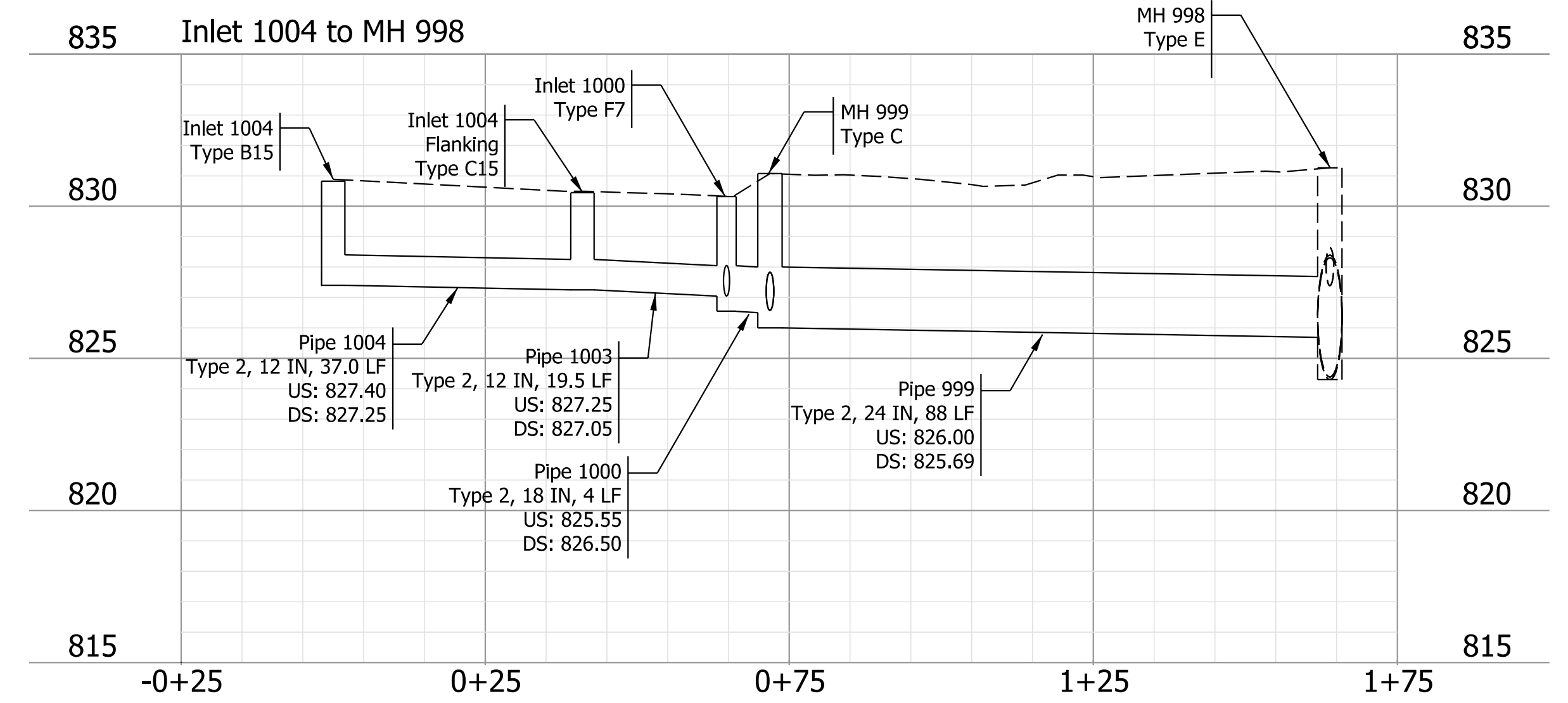
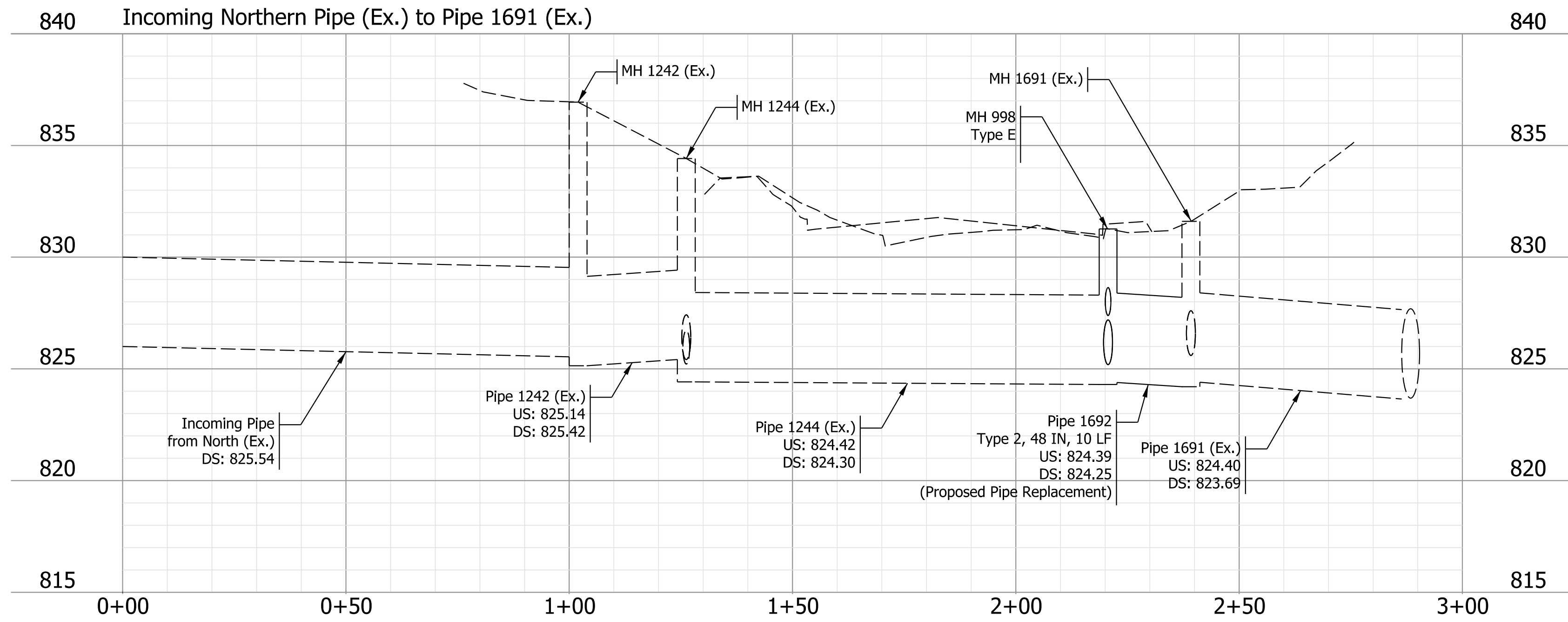
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE
DESIGNED: MLM	8/21/2023	DRAWN: MLM	8/21/2023	
CHECKED: KLT	8/21/2023	CHECKED: KLT	8/21/2023	

INDIANA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY DETAILS

SCALE	BRIDGE FILE
1"=20'	
	DESIGNATION
	1800086
SURVEY BOOK	SHEETS
	13 of 46
CONTRACT	PROJECT
R-42595	1800086



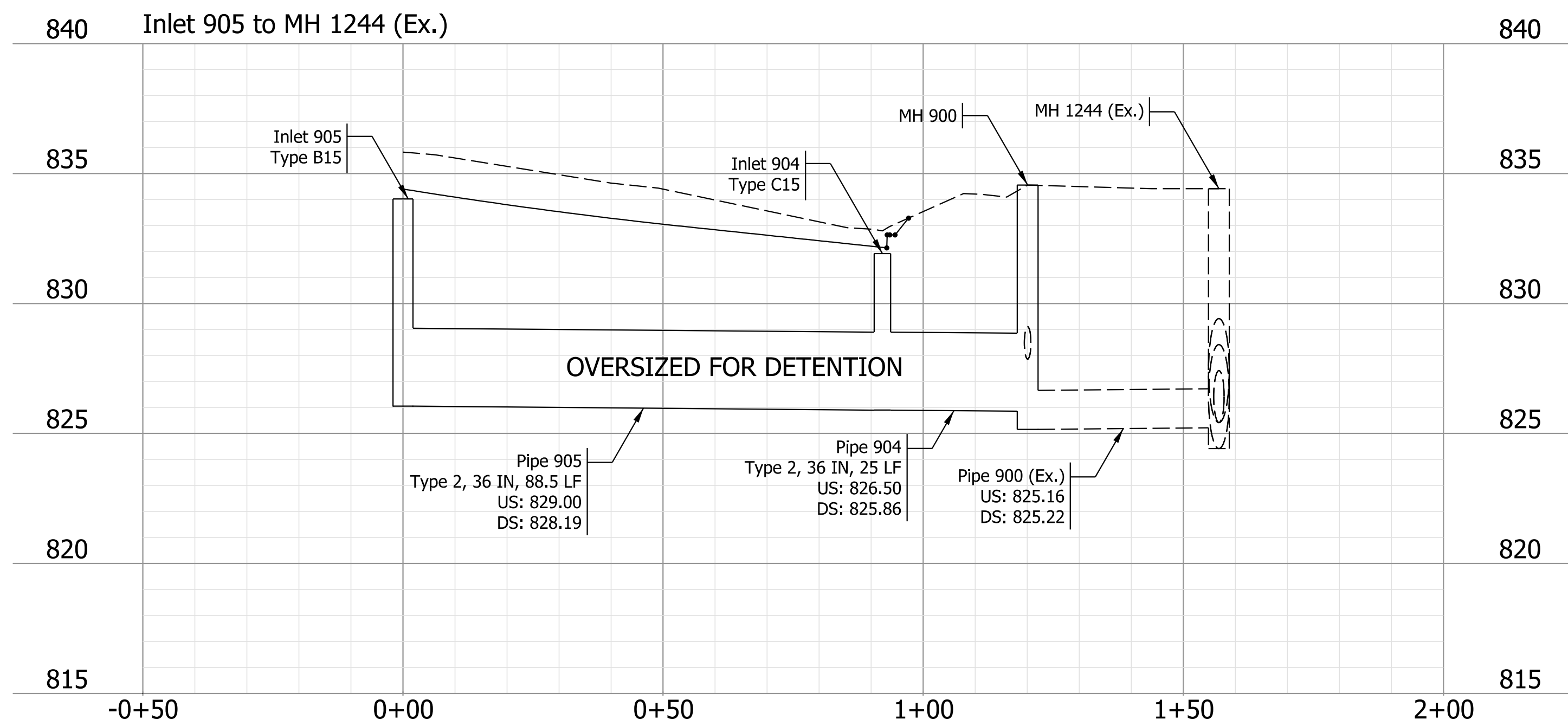
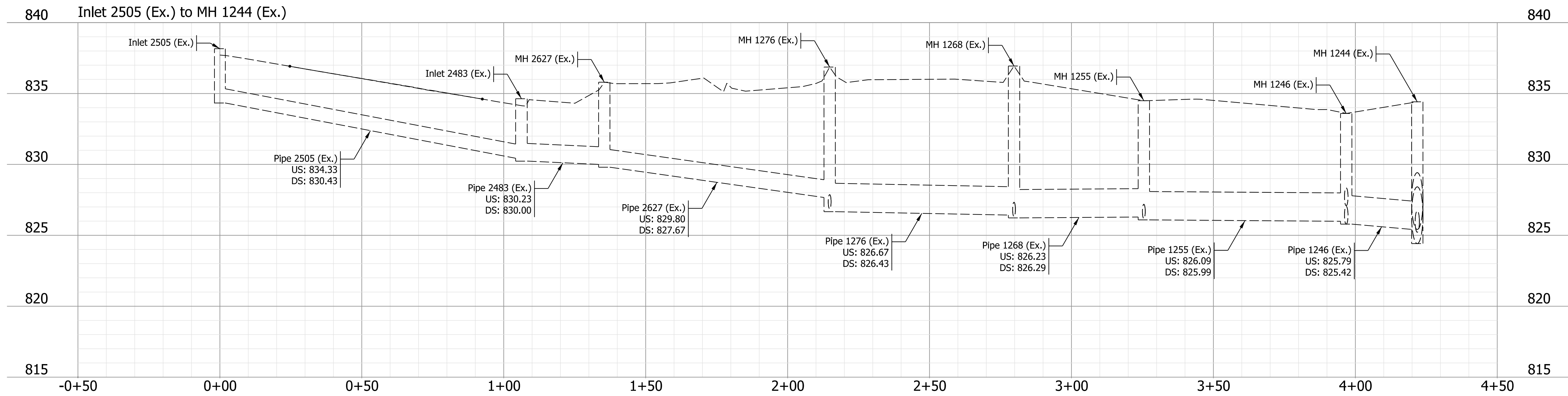
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MLM	8/21/2023	DRAWN: MLM 8/21/2023
CHECKED: KLT	8/21/2023	CHECKED: KLT 8/21/2023

INDIANA DEPARTMENT OF TRANSPORTATION

DRAINAGE PROFILES

SCALE	BRIDGE FILE
1"=20'	DESIGNATION
	1800086
SURVEY BOOK	SHEETS
	14 of 46
CONTRACT	PROJECT
R-42595	1800086



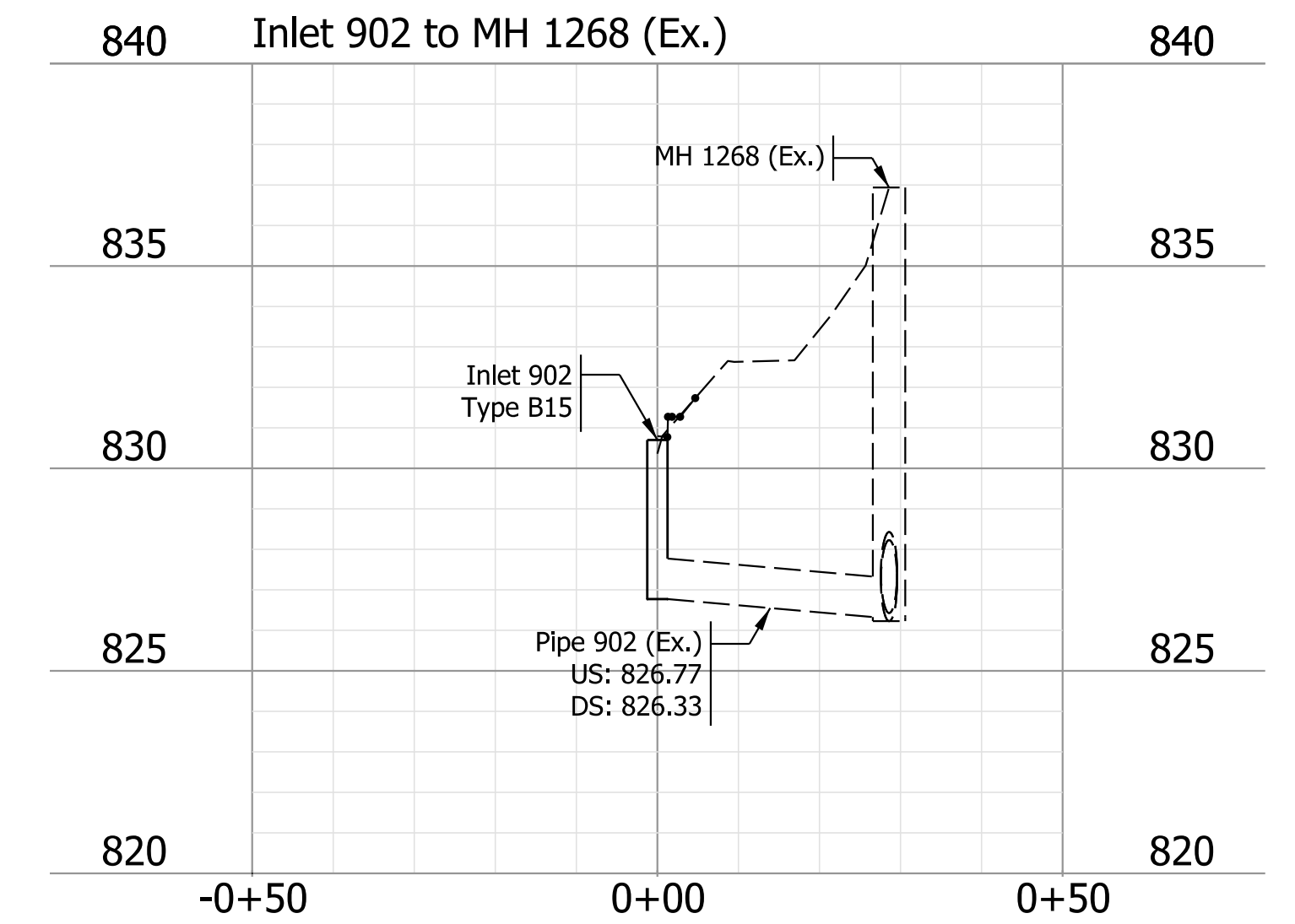
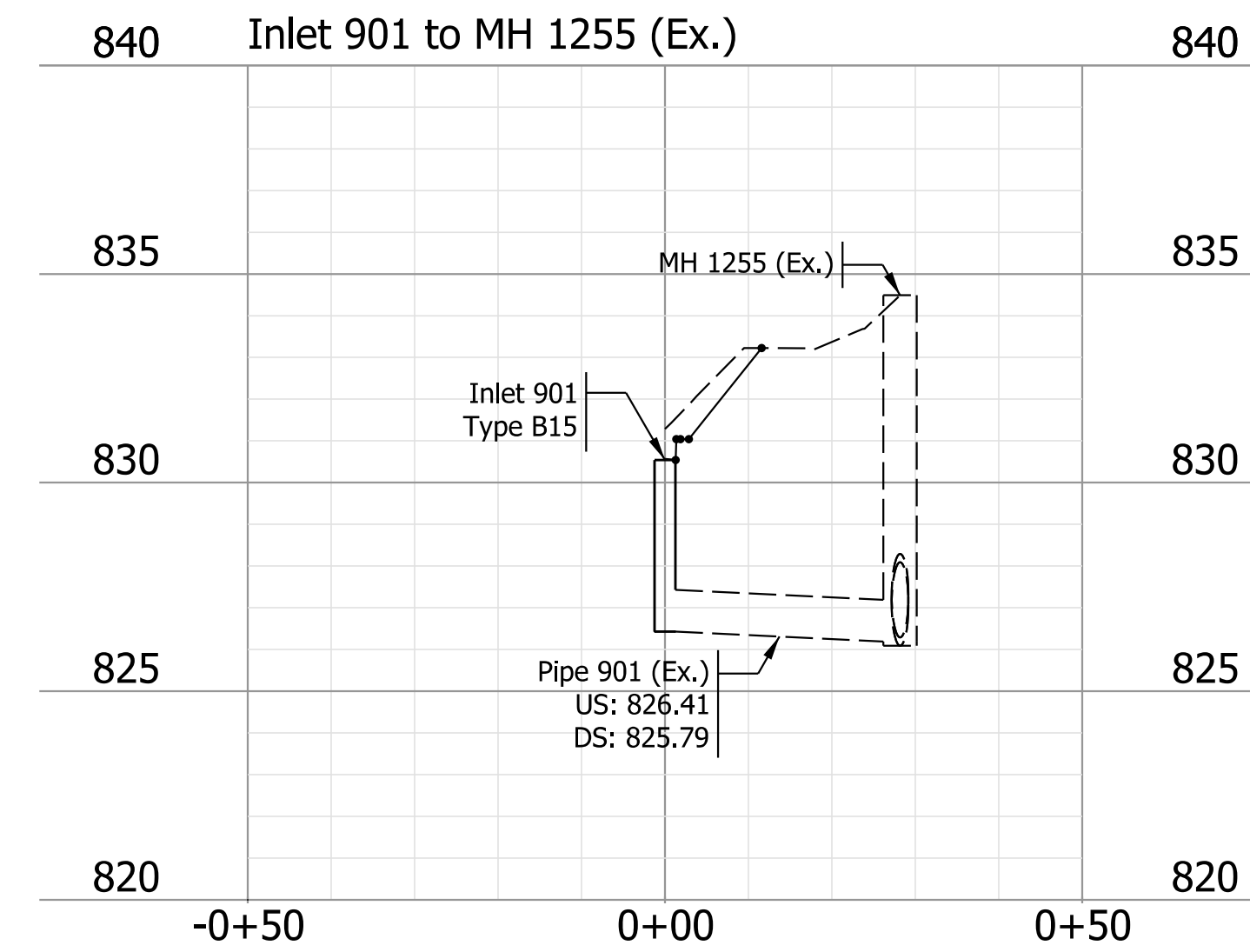
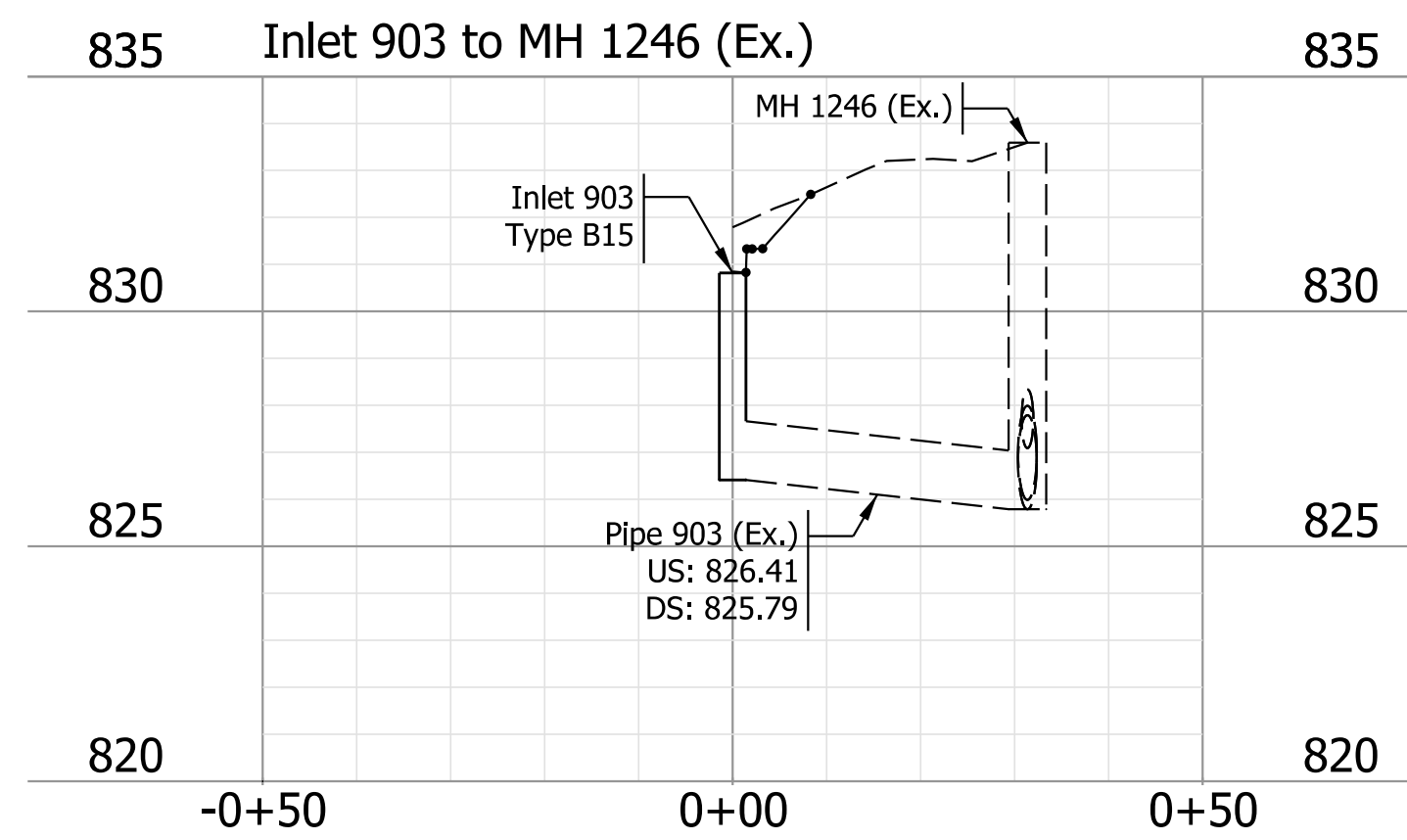
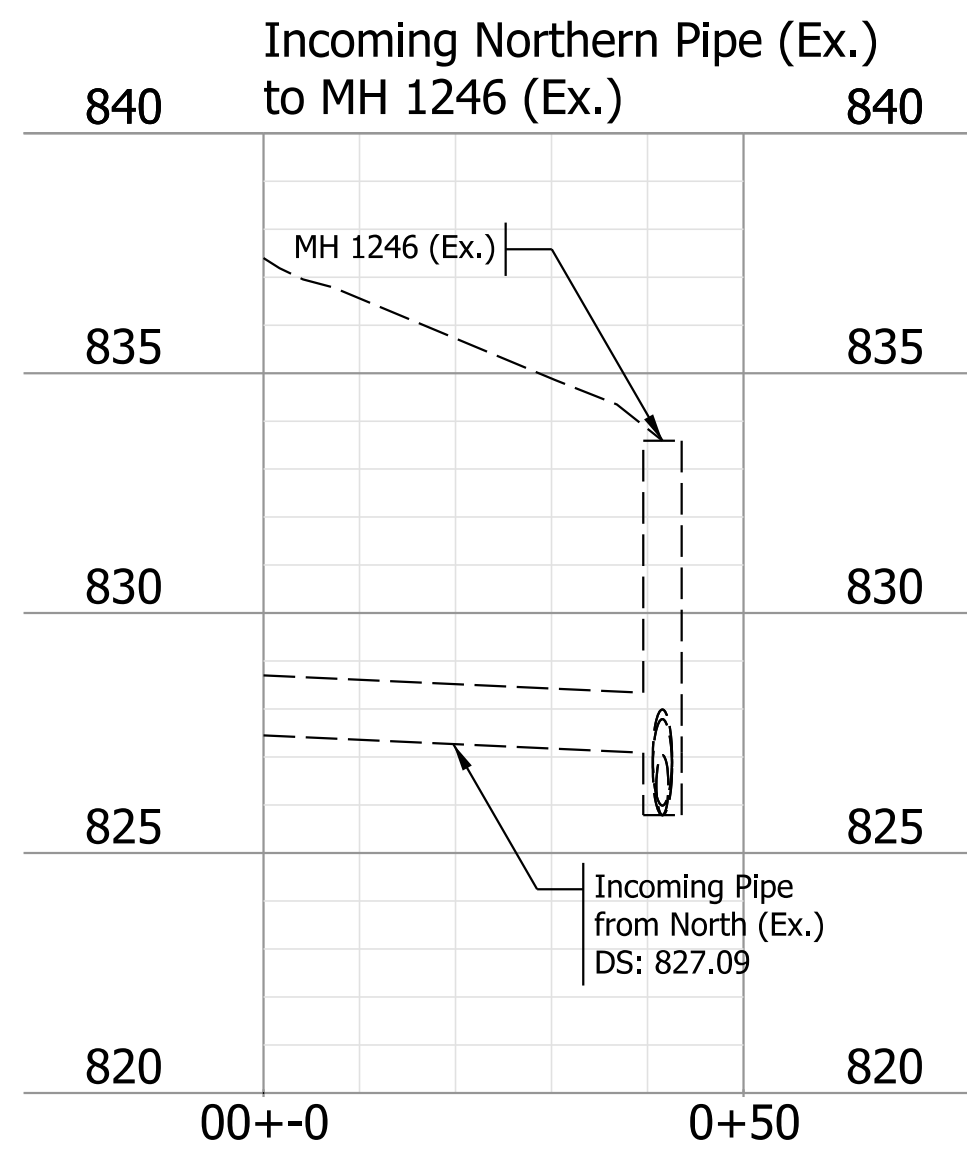
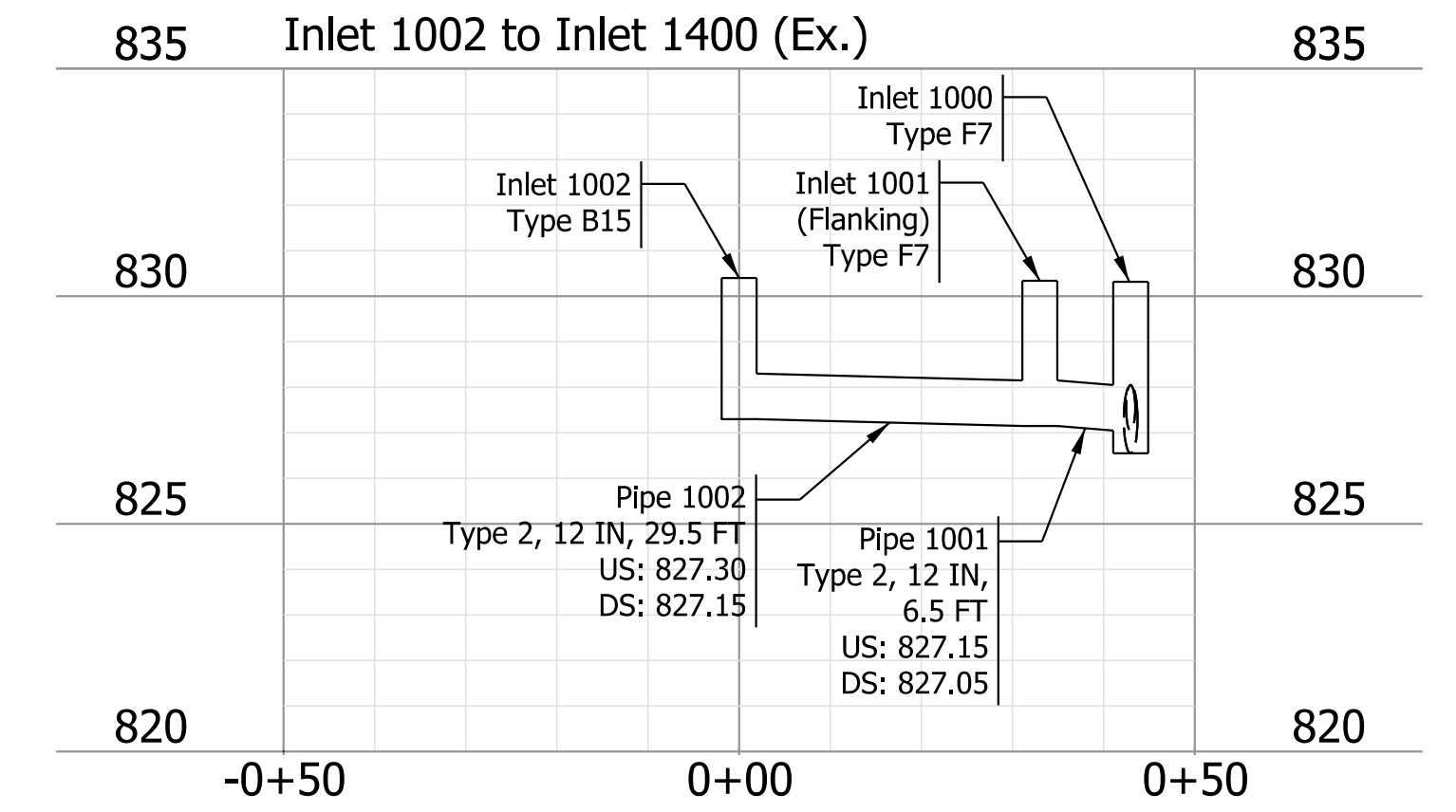
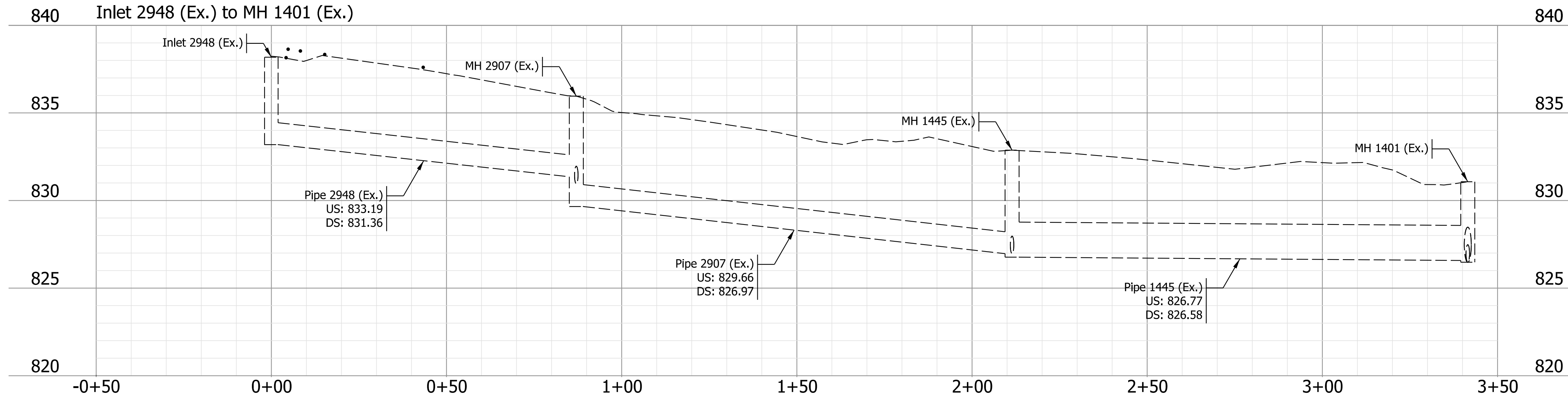
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MLM	8/21/2023	DRAWN: MLM
8/21/2023		8/21/2023
CHECKED: KLT	8/21/2023	CHECKED: KLT
		8/21/2023

INDIANA
DEPARTMENT OF TRANSPORTATION

DRAINAGE PROFILES

SCALE	BRIDGE FILE
1"=20'	
	DESIGNATION
	1800086
SURVEY BOOK	SHEETS
	15 of 46
CONTRACT	PROJECT
R-42595	1800086



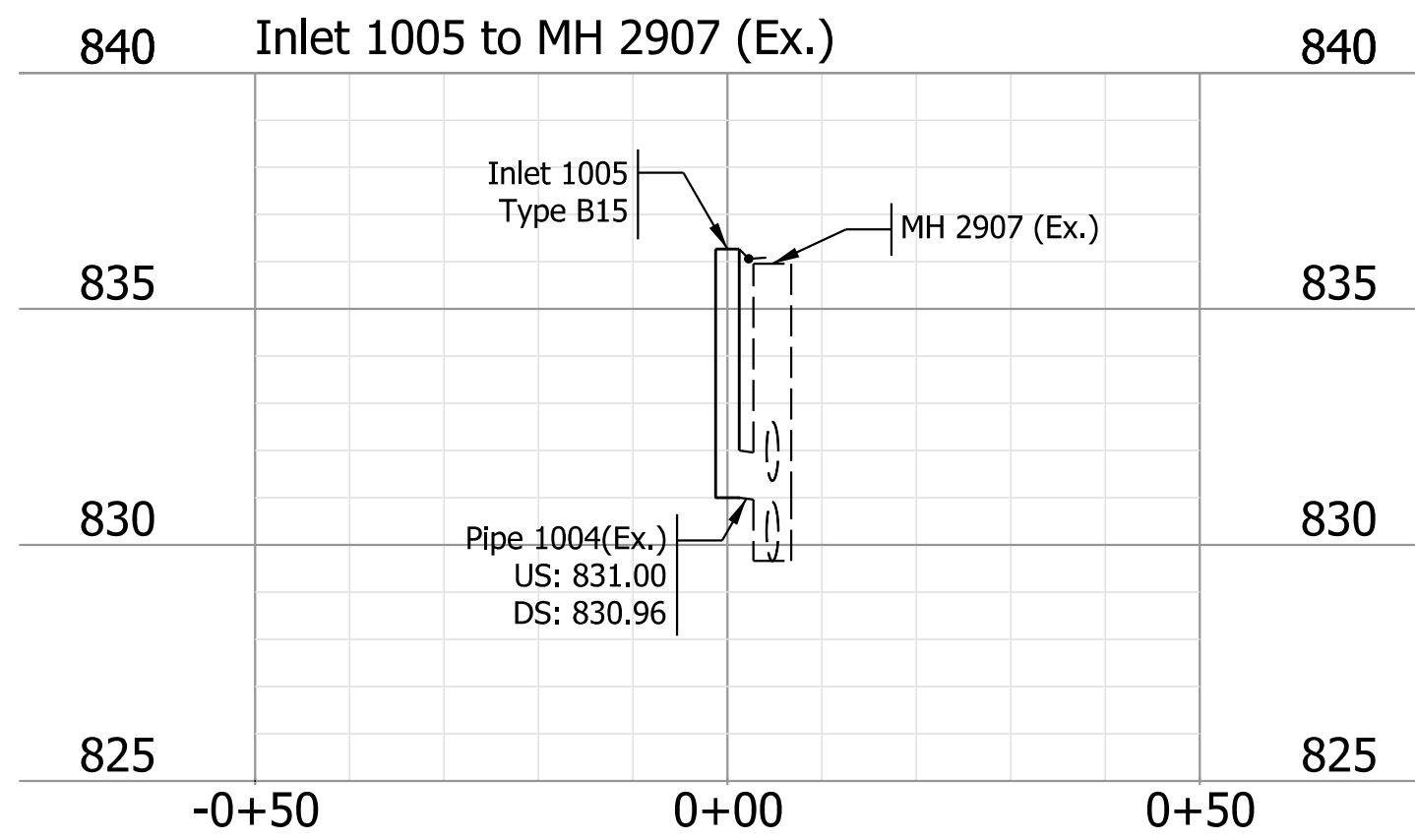
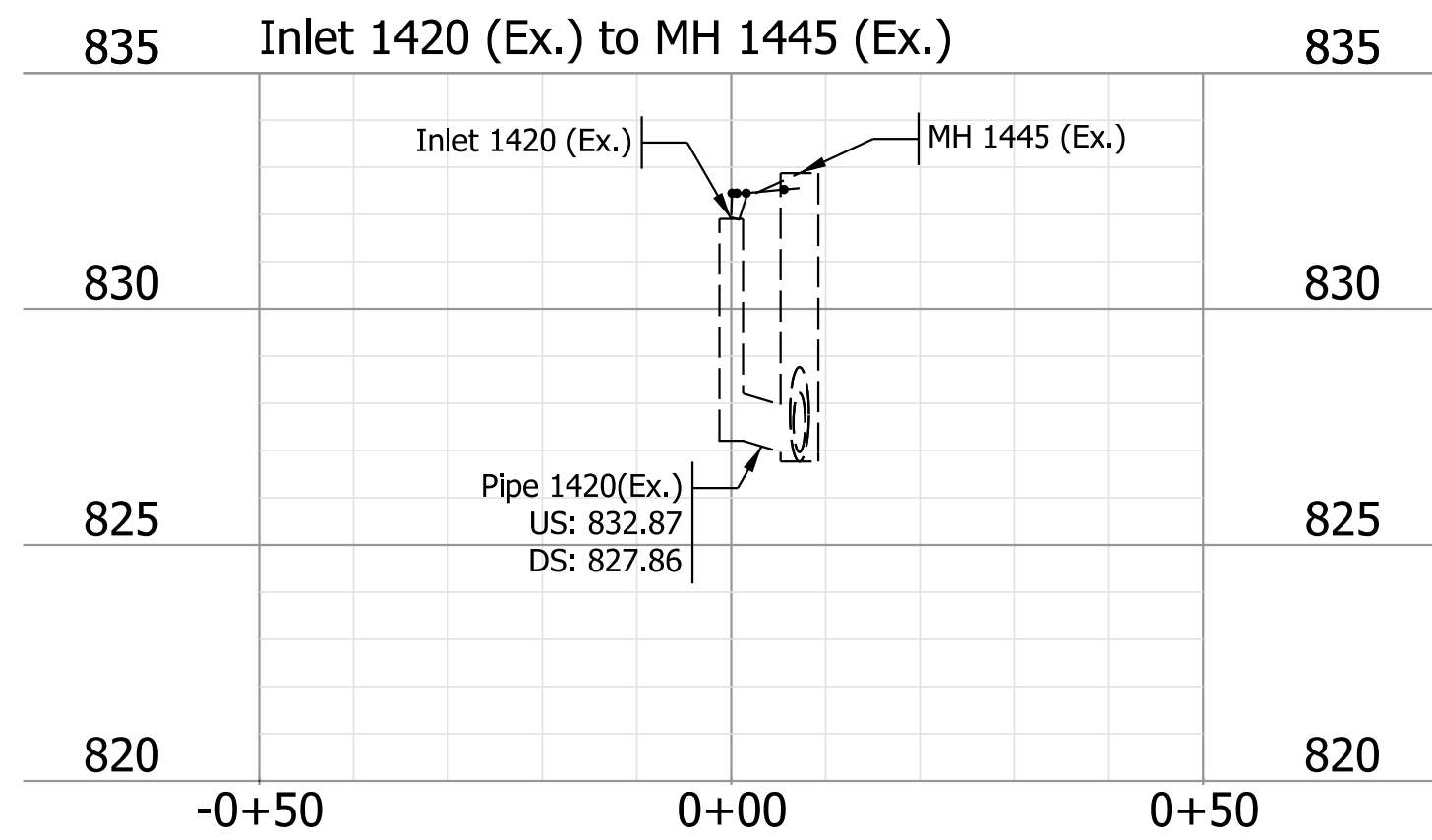
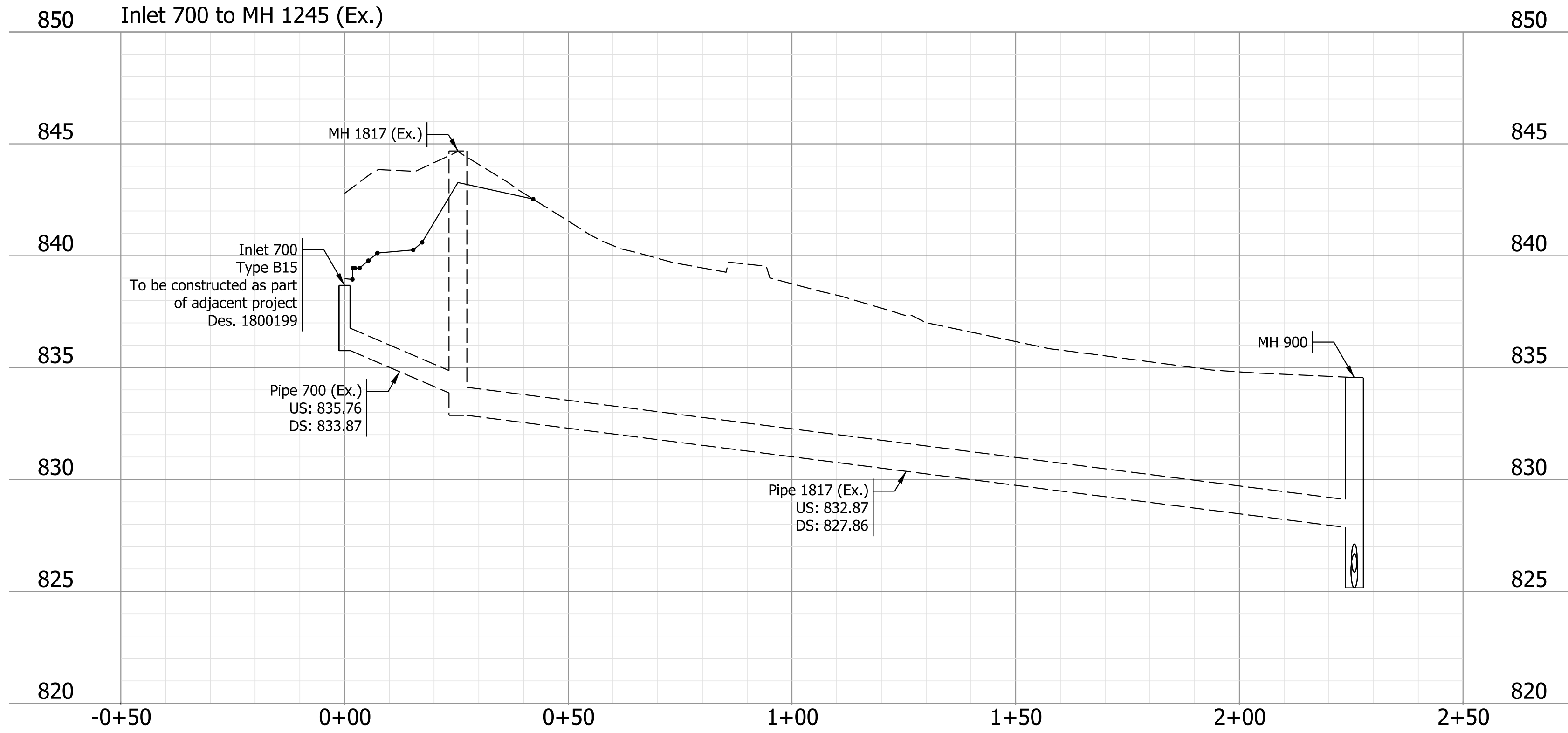
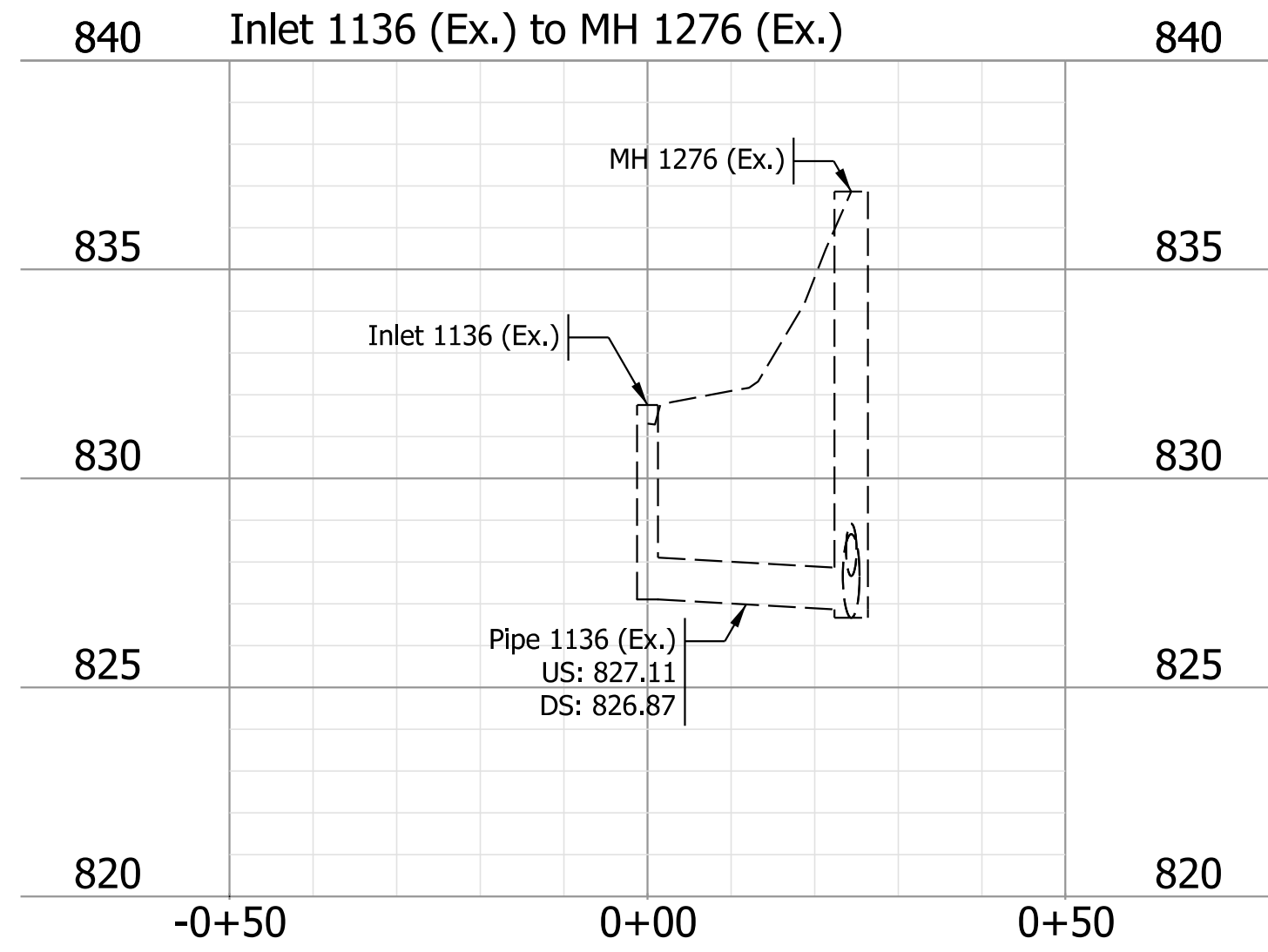
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MLM	8/21/2023	DRAWN: MLM
CHECKED: KLT	8/21/2023	CHECKED: KLT

INDIANA DEPARTMENT OF TRANSPORTATION

DRAINAGE PROFILES

SCALE	BRIDGE FILE
1"=20'	DESIGNATION
	1800086
SURVEY BOOK	SHEETS
	16 of 46
CONTRACT	PROJECT
R-42595	1800086



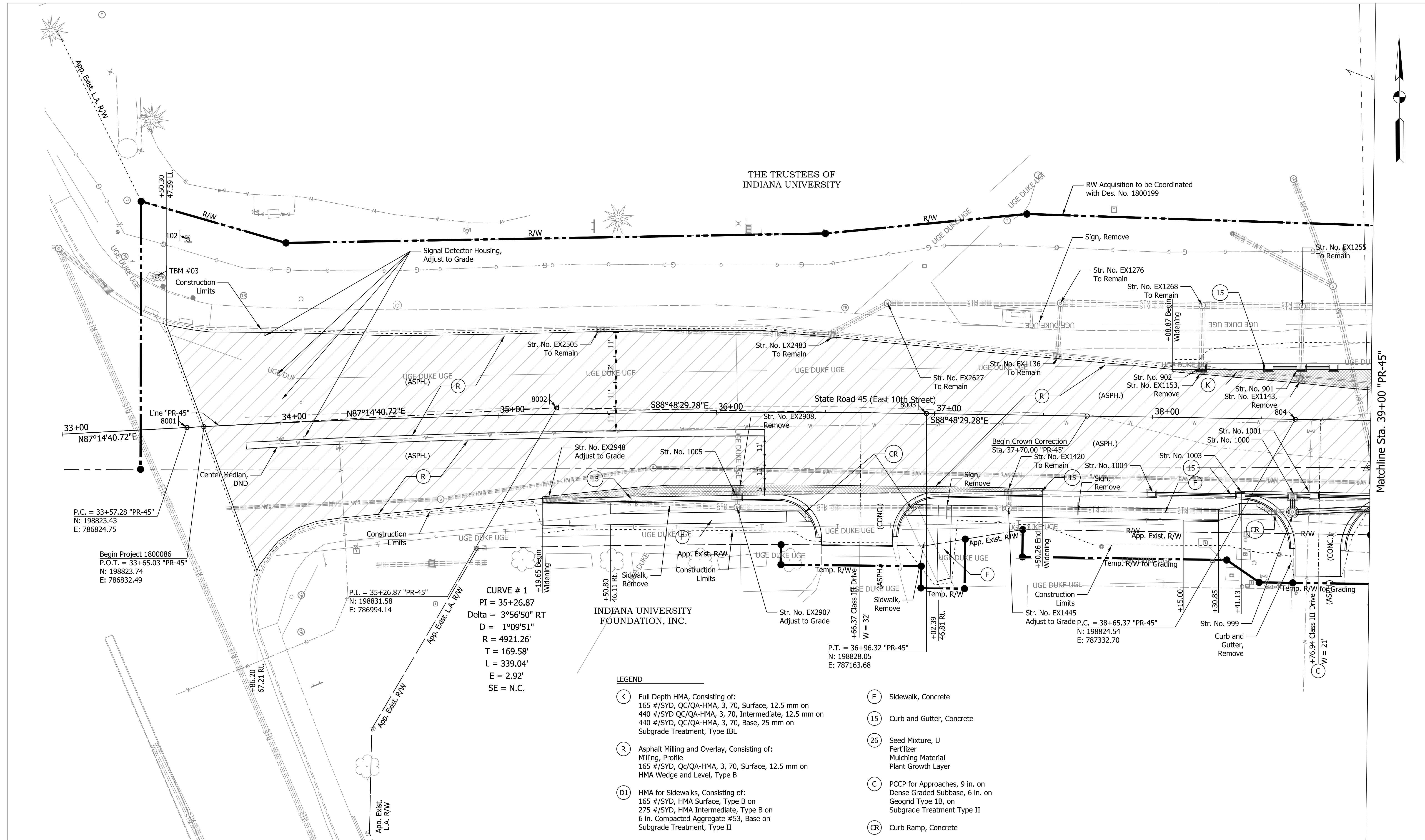
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MLM	8/21/2023	DRAWN: MLM 8/21/2023
CHECKED: KLT	8/21/2023	CHECKED: KLT 8/21/2023

INDIANA
DEPARTMENT OF TRANSPORTATION

DRAINAGE PROFILES

SCALE 1"=20'	BRIDGE FILE
	DESIGNATION 1800086
SURVEY BOOK	SHEETS 17 of 46
CONTRACT R-42595	PROJECT 1800086



THE TRUSTEES OF
INDIANA UNIVERSITY

INDIANA UNIVERSITY
FOUNDATION, INC.

Matchline Sta. 39+00 "PR-45"

CURVE # 1
 PI = 35+26.87
 Delta = 3°56'50" RT
 D = 1°09'51"
 R = 4921.26'
 T = 169.58'
 L = 339.04'
 E = 2.92'
 SE = N.C.

LEGEND

- (K) Full Depth HMA, Consisting of:
165 #/SYD, QC/QA-HMA, 3, 70, Surface, 12.5 mm on
440 #/SYD QC/QA-HMA, 3, 70, Intermediate, 12.5 mm on
440 #/SYD, QC/QA-HMA, 3, 70, Base, 25 mm on
Subgrade Treatment, Type IBL
- (R) Asphalt Milling and Overlay, Consisting of:
Milling, Profile
165 #/SYD, Qc/QA-HMA, 3, 70, Surface, 12.5 mm on
HMA Wedge and Level, Type B
- (D1) HMA for Sidewalks, Consisting of:
165 #/SYD, HMA Surface, Type B on
275 #/SYD, HMA Intermediate, Type B on
6 in. Compacted Aggregate #53, Base on
Subgrade Treatment, Type II
- (F) Sidewalk, Concrete
- (15) Curb and Gutter, Concrete
- (26) Seed Mixture, U
Fertilizer
Mulching Material
Plant Growth Layer
- (C) PCCP for Approaches, 9 in. on
Dense Graded Subbase, 6 in. on
Geogrid Type 1B, on
Subgrade Treatment Type II
- (CR) Curb Ramp, Concrete

LEGEND

	Widening - Full Depth HMA
	Resurfacing - Asphalt Milling and Overlay

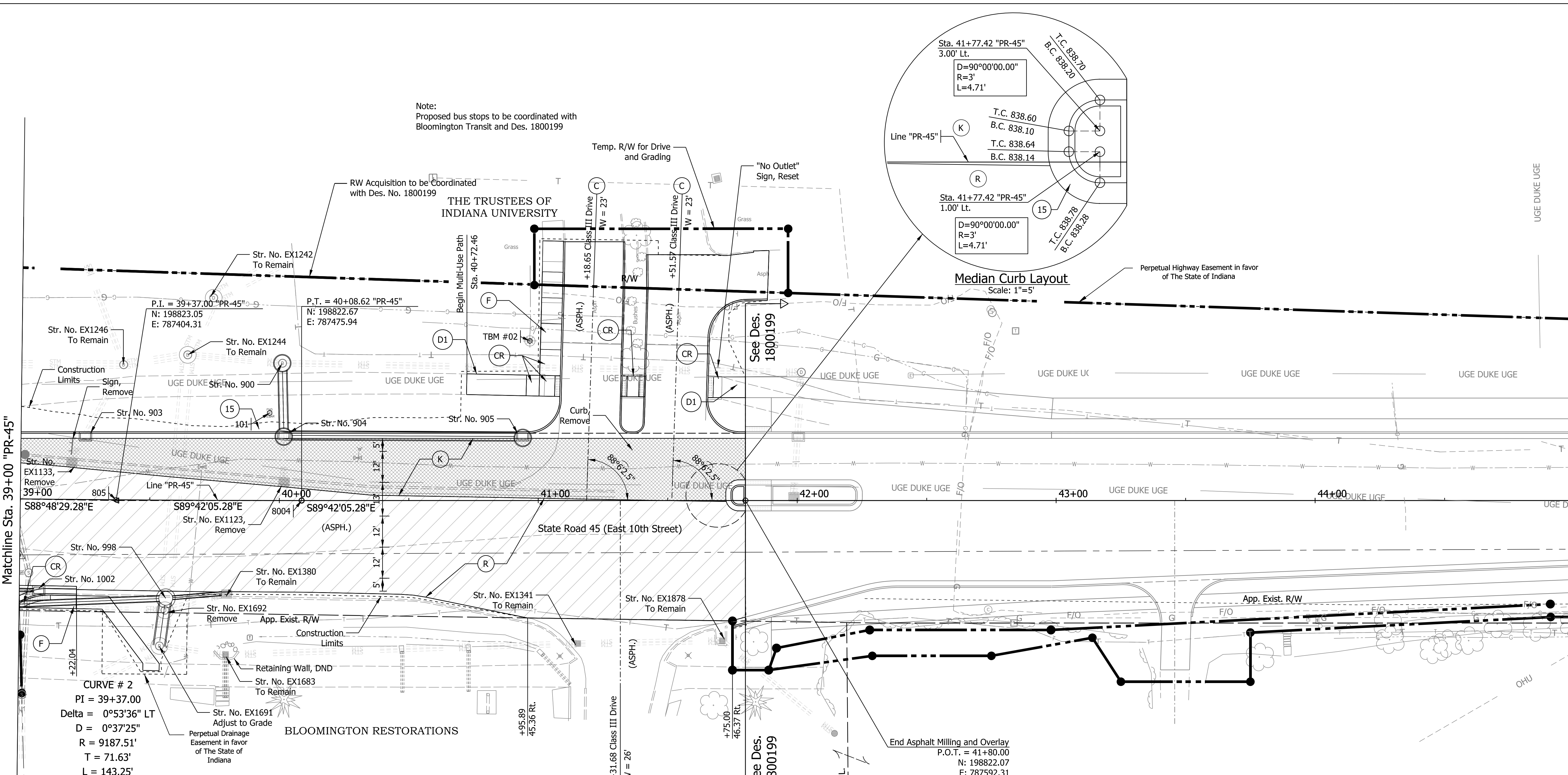
**NOT FOR
CONSTRUCTION**

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED: MLM	8/21/2023	DRAWN: MLM	8/21/2023		
CHECKED: KLT	8/21/2023	CHECKED: KLT	8/21/2023		

INDIANA DEPARTMENT OF TRANSPORTATION	
CONSTRUCTION DETAILS	

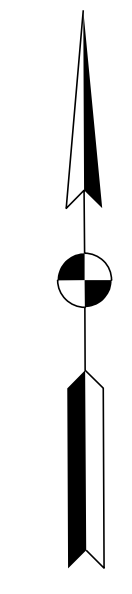
SCALE 1"=20'	BRIDGE FILE
	DESIGNATION 1800086
SURVEY BOOK	SHEETS 18 of 46
CONTRACT R-42595	PROJECT 1800086

Note:
Proposed bus stops to be coordinated with
Bloomington Transit and Des. 1800199



Matchline Sta. 39+00 'PR-45'

Matchline Sta. 45+00 'PR-45'



CURVE # 2
PI = 39+37.00
Delta = 0°53'36" LT
D = 0°37'25"
R = 9187.51'
T = 71.63'
L = 143.25'
E = 0.28'
SE = N.C.

LEGEND

- (K) Full Depth HMA, Consisting of:
165 #/SYD, QC/QA-HMA, 3, 70, Surface, 12.5 mm on
440 #/SYD QC/QA-HMA, 3, 70, Intermediate, 12.5 mm on
440 #/SYD, QC/QA-HMA, 3, 70, Base, 25 mm on
Subgrade Treatment, Type IBL
- (R) Asphalt Milling and Overlay, Consisting of:
Milling, Profile
165 #/SYD, QC/QA-HMA, 3, 70, Surface, 12.5 mm on
HMA Wedge and Level, Type B
- (D1) HMA for Sidewalks, Consisting of:
165 #/SYD, HMA Surface, Type B on
275 #/SYD, HMA Intermediate, Type B on
6 in. Compacted Aggregate #53, Base on
Subgrade Treatment, Type II
- (F) Sidewalk, Concrete
- (15) Curb and Gutter, Concrete
- (26) Seed Mixture, U
Fertilizer
Mulching Material
Plant Growth Layer
- (C) PCCP for Approaches, 9 in. on
Dense Graded Subbase, 6 in. on
Geogrid Type 1B, on
Subgrade Treatment Type II
- (CR) Curb Ramp, Concrete

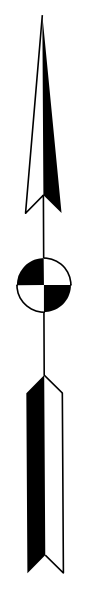
- LEGEND**
- Widening - Full Depth HMA
 - Resurfacing - Asphalt Milling and Overlay

**NOT FOR
CONSTRUCTION**

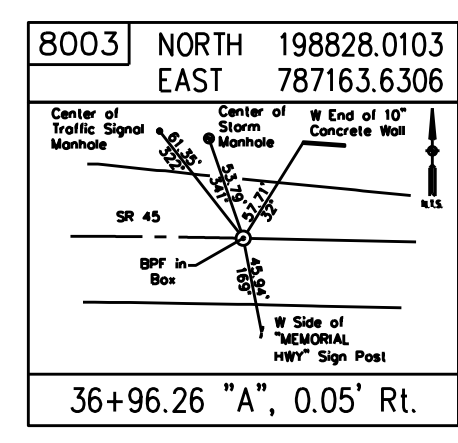
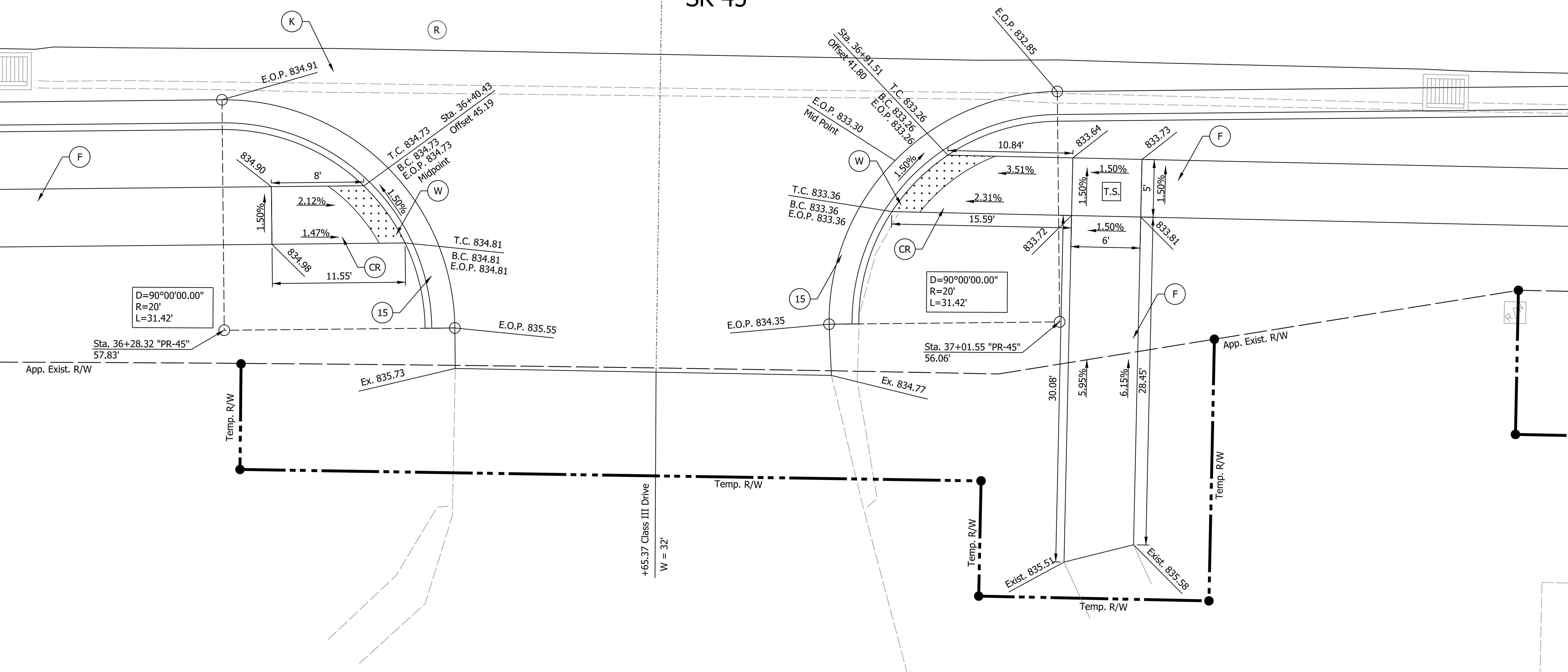
RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____	
DESIGNED: MLM	8/21/2023	DRAWN: MLM	8/21/2023
CHECKED: KLT	8/21/2023	CHECKED: KLT	8/21/2023

INDIANA DEPARTMENT OF TRANSPORTATION	
CONSTRUCTION DETAILS	

SCALE 1"=20'	BRIDGE FILE
	DESIGNATION 1800086
SURVEY BOOK	SHEETS 19 of 46
CONTRACT R-42595	PROJECT 1800086



SR 45



LEGEND:

(F) Sidewalk	(13) Curb, Concrete	(K) Full Depth HMA, Consisting of: 165 #/SYD, QC/QA-HMA, 3, 70, Surface, 12.5 mm on 440 #/SYD, QC/QA-HMA, 3, 70, Intermediate, 12.5 mm on 440 #/SYD, QC/QA-HMA, 3, 70, Base, 25 mm	(R) Mill and Overlay, 1.5" consisting of: 165 #/SYD, QC/QA-HMA, 3, 70, Surface, 12.5 mm on
(CR) Curb Ramp	(FS) Flared side	(W) Detectable Warning Surface	
(15) Curb and Gutter	(TS) Turning Space		

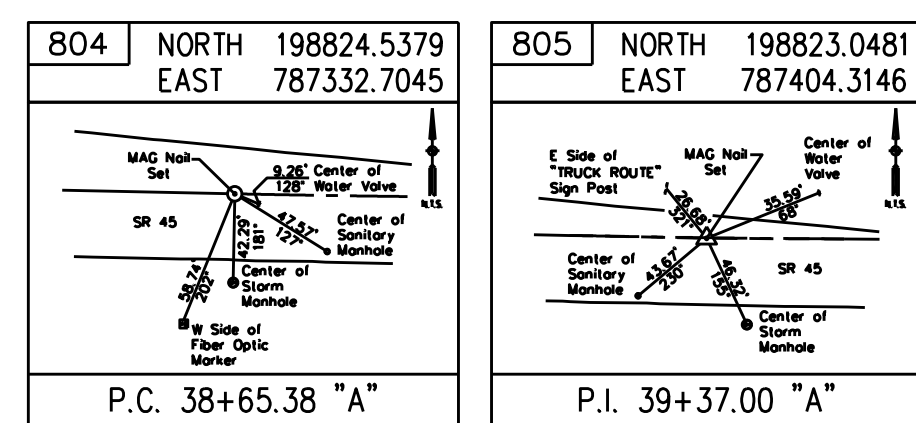
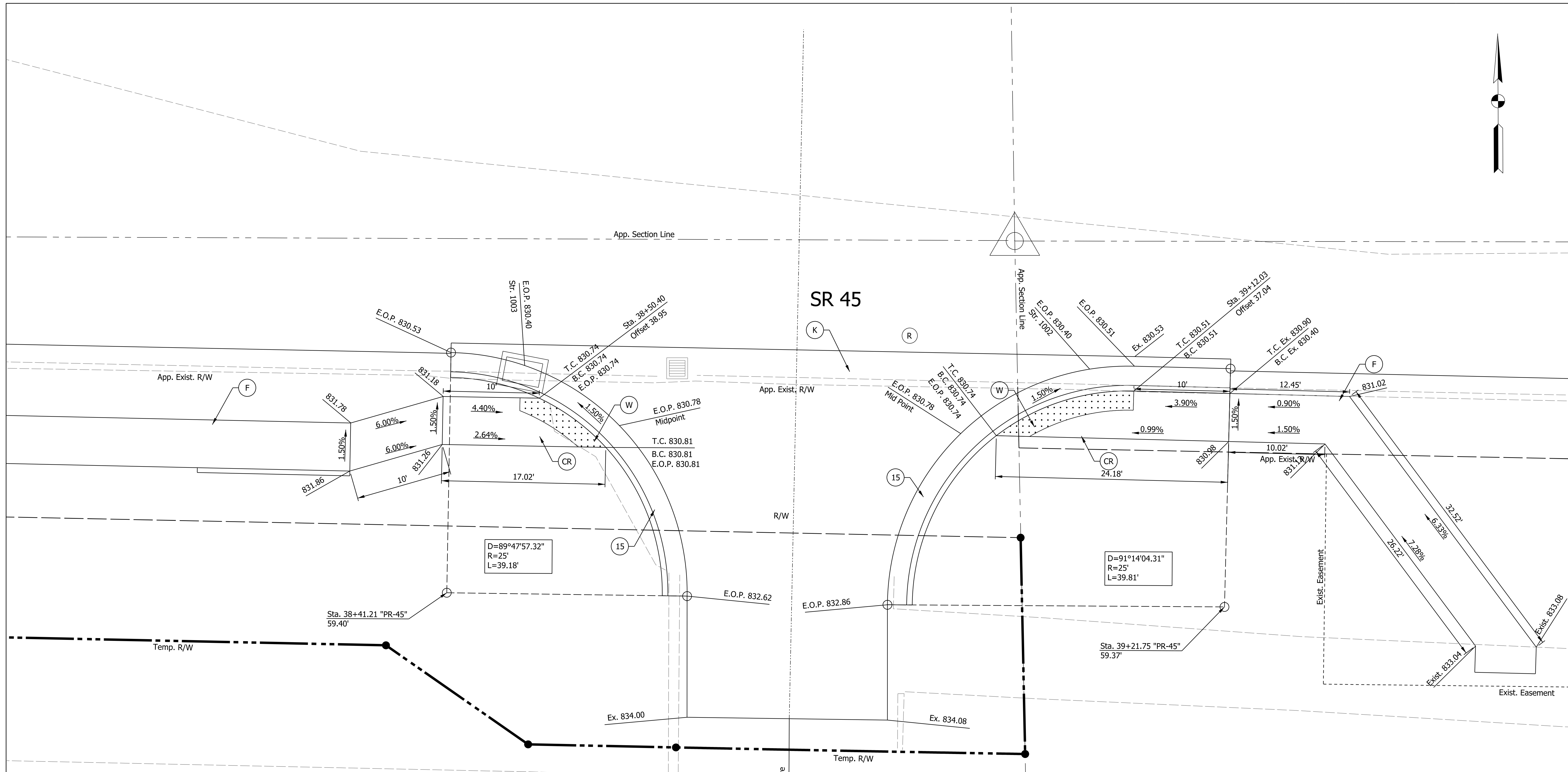
NOT FOR CONSTRUCTION

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DESIGNED: MLM	8/21/2023	DRAWN: MLM 8/21/2023
CHECKED: KLT	8/21/2023	CHECKED: KLT 8/21/2023

INDIANA
DEPARTMENT OF TRANSPORTATION

**CURB RAMP DETAILS
CLASS III DRIVE
STA. 36+65.37 "PR-45"**

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	
VERTICAL SCALE	DESIGNATION
	1800086
SURVEY BOOK	SHEETS
	20 of 46
CONTRACT	PROJECT
R-42595	1800086



- LEGEND:**
- (F) Sidewalk
 - (CR) Curb Ramp
 - (15) Curb and Gutter
 - (13) Curb, Concrete
 - (FS) Flared side
 - (TS) Turning Space
 - (K) Full Depth HMA, Consisting of:
165 #/SYD, QC/QA-HMA, 3, 70, Surface, 12.5 mm on
440 #/SYD, QC/QA-HMA, 3, 70, Intermediate, 12.5 mm on
440 #/SYD, QC/QA-HMA, 3, 70, Base, 25 mm
 - (W) Detectable Warning Surface
 - (R) Mill and Overlay, 1.5" consisting of:
165 #/SYD, QC/QA-HMA, 3, 70, Surface, 12.5 mm on

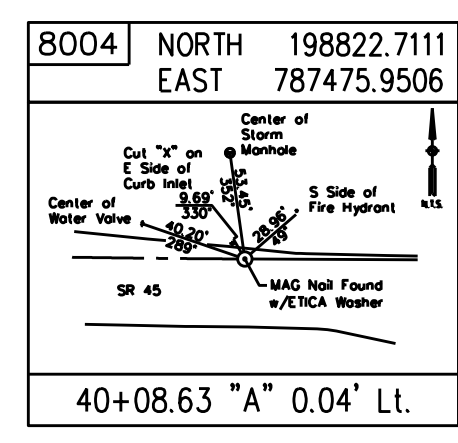
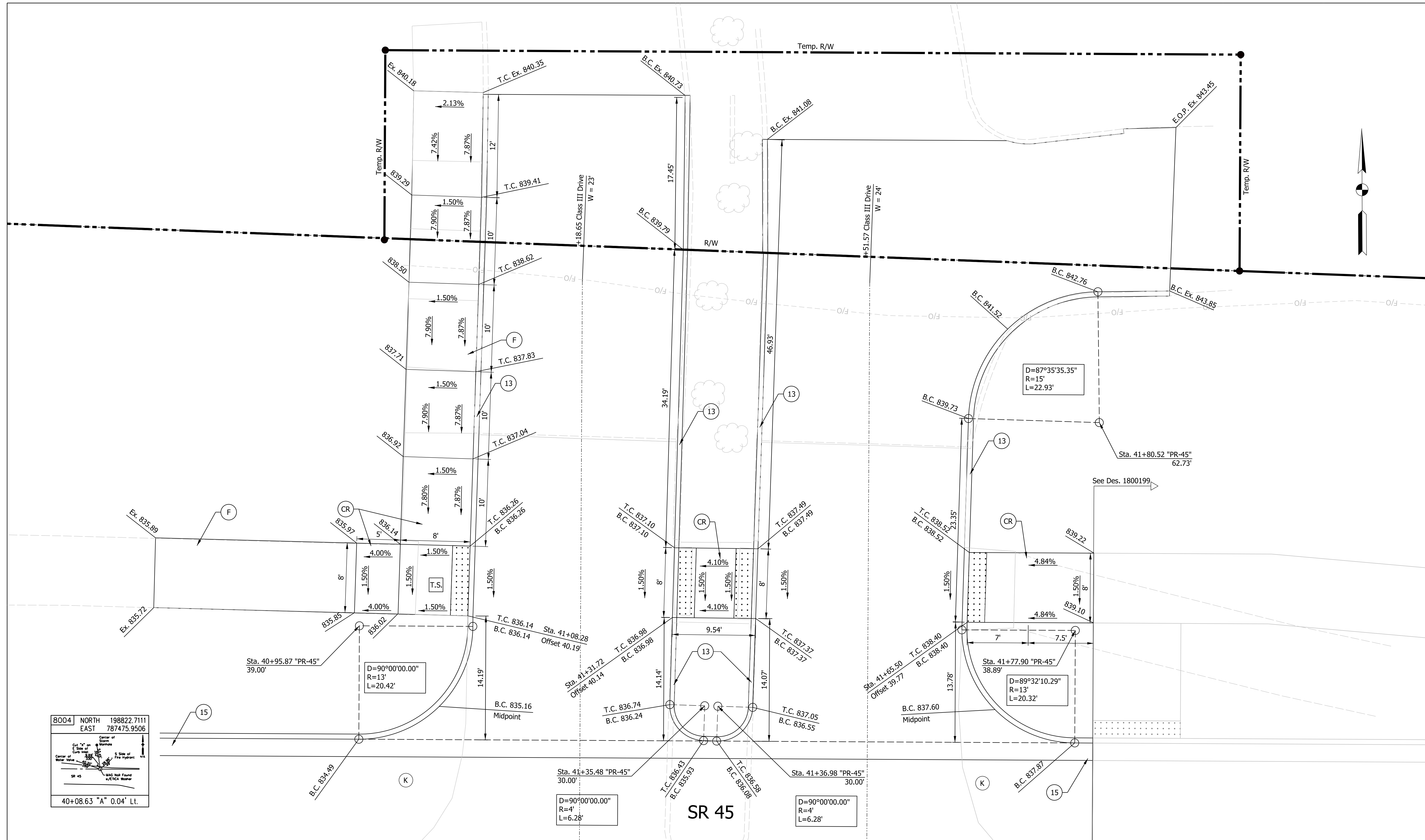
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MLM	8/21/2023	DRAWN: MLM 8/21/2023
CHECKED: KLT	8/21/2023	CHECKED: KLT 8/21/2023

INDIANA DEPARTMENT OF TRANSPORTATION

**CURB RAMP DETAILS
CLASS III DRIVE
STA. 38+75.75 "PR-45"**

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	
VERTICAL SCALE	DESIGNATION
	1800086
SURVEY BOOK	SHEETS
	21 of 46
CONTRACT	PROJECT
R-42595	1800086



LEGEND:

(F) Sidewalk	(13) Curb, Concrete	(K) Full Depth HMA, Consisting of: 165 #/SYD, QC/QA-HMA, 3, 70, Surface, 12.5 mm on 440 #/SYD, QC/QA-HMA, 3, 70, Intermediate, 12.5 mm on 440 #/SYD, QC/QA-HMA, 3, 70, Base, 25 mm	(R) Mill and Overlay, 1.5\" consisting of: 165 #/SYD, QC/QA-HMA, 3, 70, Surface, 12.5 mm on
(CR) Curb Ramp	(FS) Flared side	(W) Detectable Warning Surface	
(15) Curb and Gutter	(TS) Turning Space		

NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____	
DESIGNED: MLM	8/21/2023	DRAWN: MLM	8/21/2023
CHECKED: KLT	8/21/2023	CHECKED: KLT	8/21/2023

INDIANA
DEPARTMENT OF TRANSPORTATION

**CURB RAMP DETAILS
CLASS III DRIVES
STA. 41+18.65 & 41+51.57 "PR-45"**

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	
VERTICAL SCALE	DESIGNATION
	1800086
SURVEY BOOK	SHEETS
	22 of 46
CONTRACT	PROJECT
R-42595	1800086



R3-17



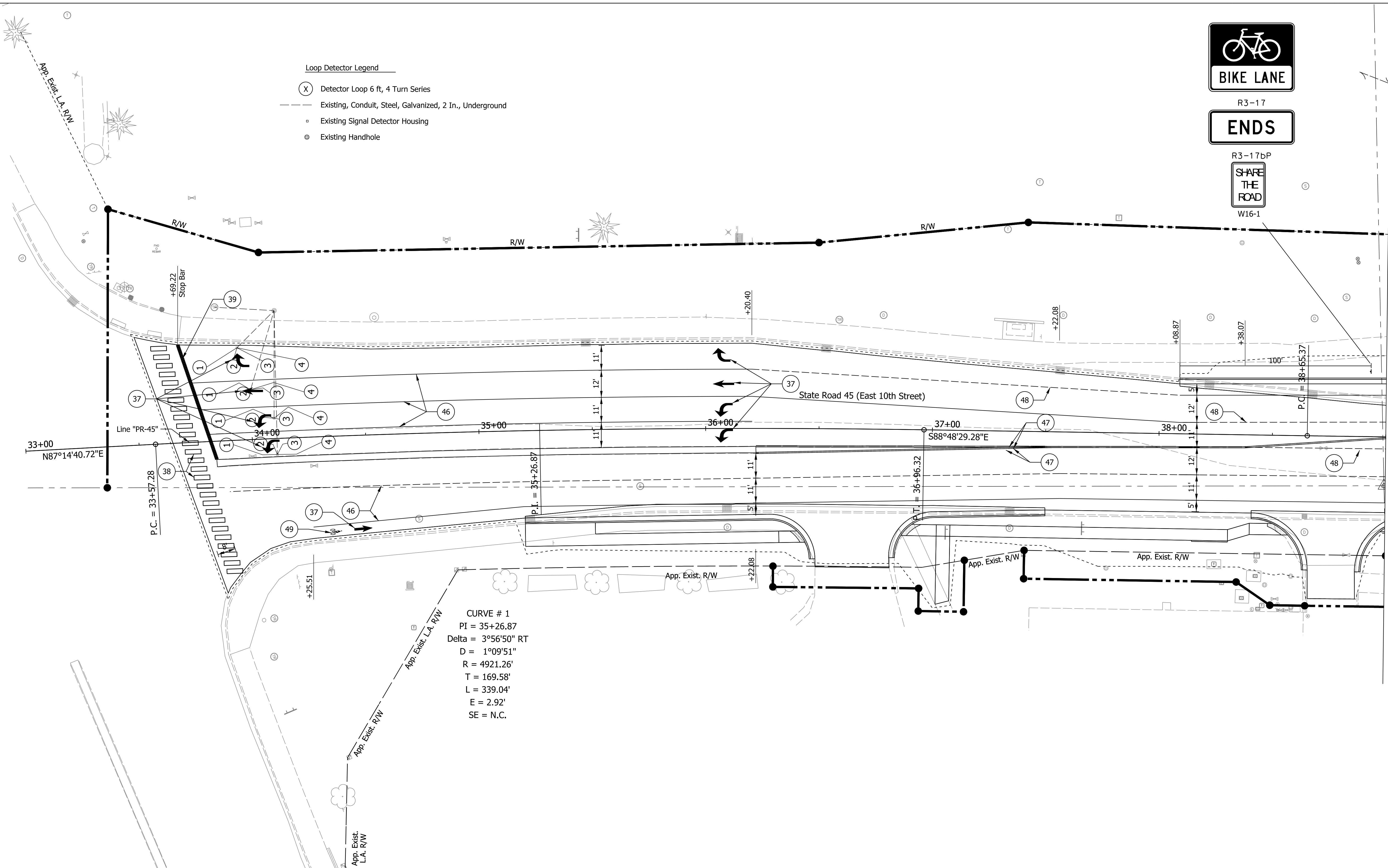
R3-17bP



W16-1

Loop Detector Legend

- (X) Detector Loop 6 ft, 4 Turn Series
- Existing, Conduit, Steel, Galvanized, 2 In., Underground
- o Existing Signal Detector Housing
- o Existing Handhole



CURVE # 1
 PI = 35+26.87
 Delta = 3°56'50" RT
 D = 1°09'51"
 R = 4921.26'
 T = 169.58'
 L = 339.04'
 E = 2.92'
 SE = N.C.

LEGEND

- (37) Pavement Message Marking, Thermoplastic, Lane Indication Arrow
- (38) Transverse Marking, Thermoplastic, Crosswalk Line, White, 24 IN.
- (39) Transverse Marking, Thermoplastic, Stop Line, White, 24 IN.
- (46) Line, Thermoplastic, Solid, White, 6 IN.
- (47) Line, Thermoplastic, Solid, Yellow, 6 IN.
- (48) Line, Thermoplastic, Broken, White, 6 IN.
- (49) Pavment Message Marking, Thermoplastic, Bike Symbol

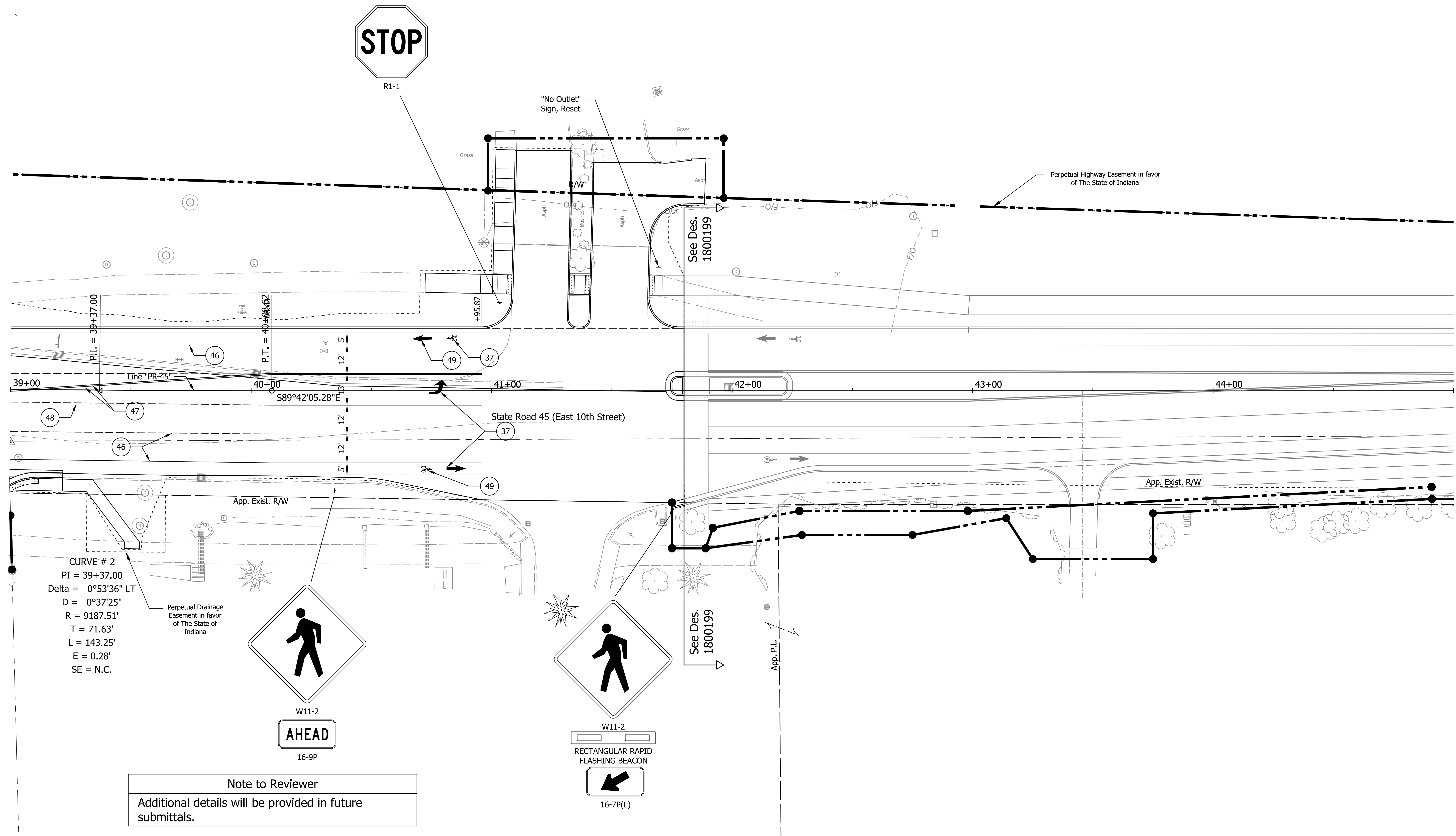
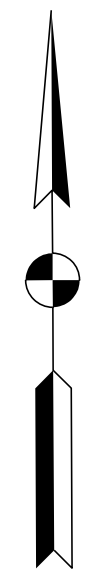
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MLM	8/21/2023	DRAWN: MLM
8/21/2023		8/21/2023
CHECKED: KLT	8/21/2023	CHECKED: KLT
		8/21/2023

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN

SCALE	BRIDGE FILE
1"=20'	
	DESIGNATION
	1800086
SURVEY BOOK	SHEETS
	23 of 46
CONTRACT	PROJECT
R-42595	1800086



Matchline Sta. 39+00 "PR-45"

STOP
R1-1

"No Outlet"
Sign, Reset

Perpetual Highway Easement in favor
of The State of Indiana

See Des.
1800199

State Road 45 (East 10th Street)

App. Exist. R/W

CURVE # 2
PI = 39+37.00
Delta = 0°53'36" LT
D = 0°37'25"
R = 9187.51'
T = 71.63'
L = 143.25'
E = 0.28'
SE = N.C.

Perpetual Drainage
Easement in favor
of The State of
Indiana



See Des.
1800199

App. P.L.

Note to Reviewer
Additional details will be provided in future
submittals.

LEGEND			
37	Pavement Message Marking, Thermoplastic, Lane Indication Arrow	47	Line, Thermoplastic, Solid, Yellow, 6 IN.
38	Transverse Marking, Thermoplastic, Crosswalk Line, White, 24 IN.	48	Line, Thermoplastic, Broken, White, 6 IN.
46	Line, Thermoplastic, Solid, White, 6 IN.	49	Pavment Message Marking, Thermoplastic, Bike Symbol

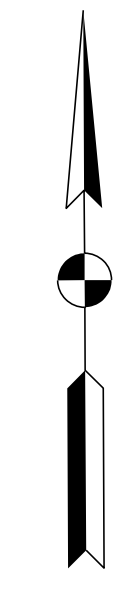
**NOT FOR
CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MLM	8/21/2023	DRAWN: MLM
CHECKED: KLT	8/21/2023	CHECKED: KLT
	8/21/2023	

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN

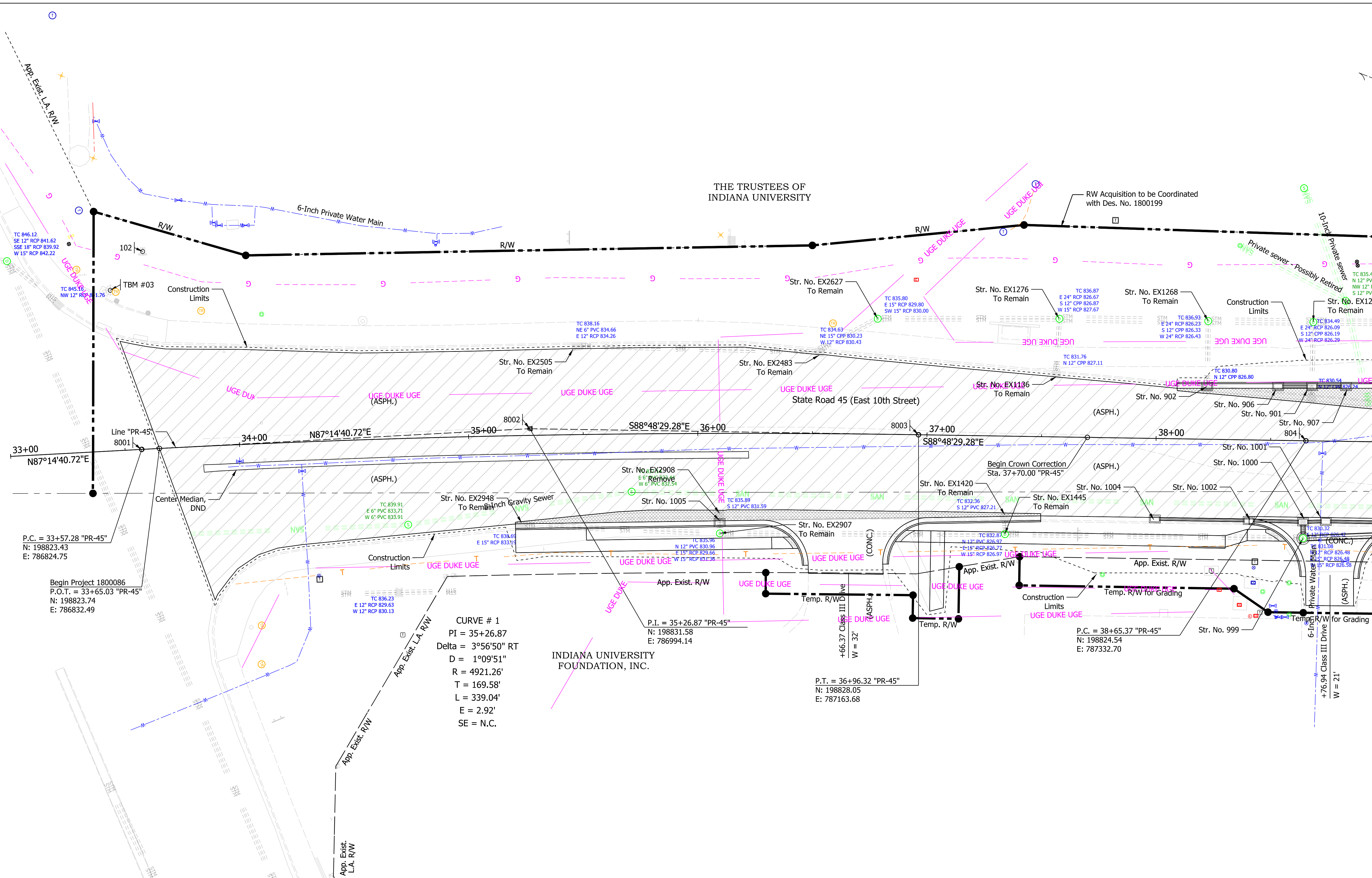
SCALE	BRIDGE FILE
1"=20'	
	DESIGNATION
	1800086
SURVEY BOOK	SHEETS
	24 of 46
CONTRACT	PROJECT
R-42595	1800086



THE TRUSTEES OF INDIANA UNIVERSITY

INDIANA UNIVERSITY FOUNDATION, INC.

Matchline Sta. 39+00 "PR-45"



CURVE # 1
 PI = 35+26.87
 Delta = 3°56'50" RT
 D = 1°09'51"
 R = 4921.26'
 T = 169.58'
 L = 339.04'
 E = 2.92'
 SE = N.C.

P.C. = 33+57.28 "PR-45"
 N: 198823.43
 E: 786824.75

Begin Project 1800086
 P.O.T. = 33+65.03 "PR-45"
 N: 198823.74
 E: 786832.49

NOT FOR CONSTRUCTION

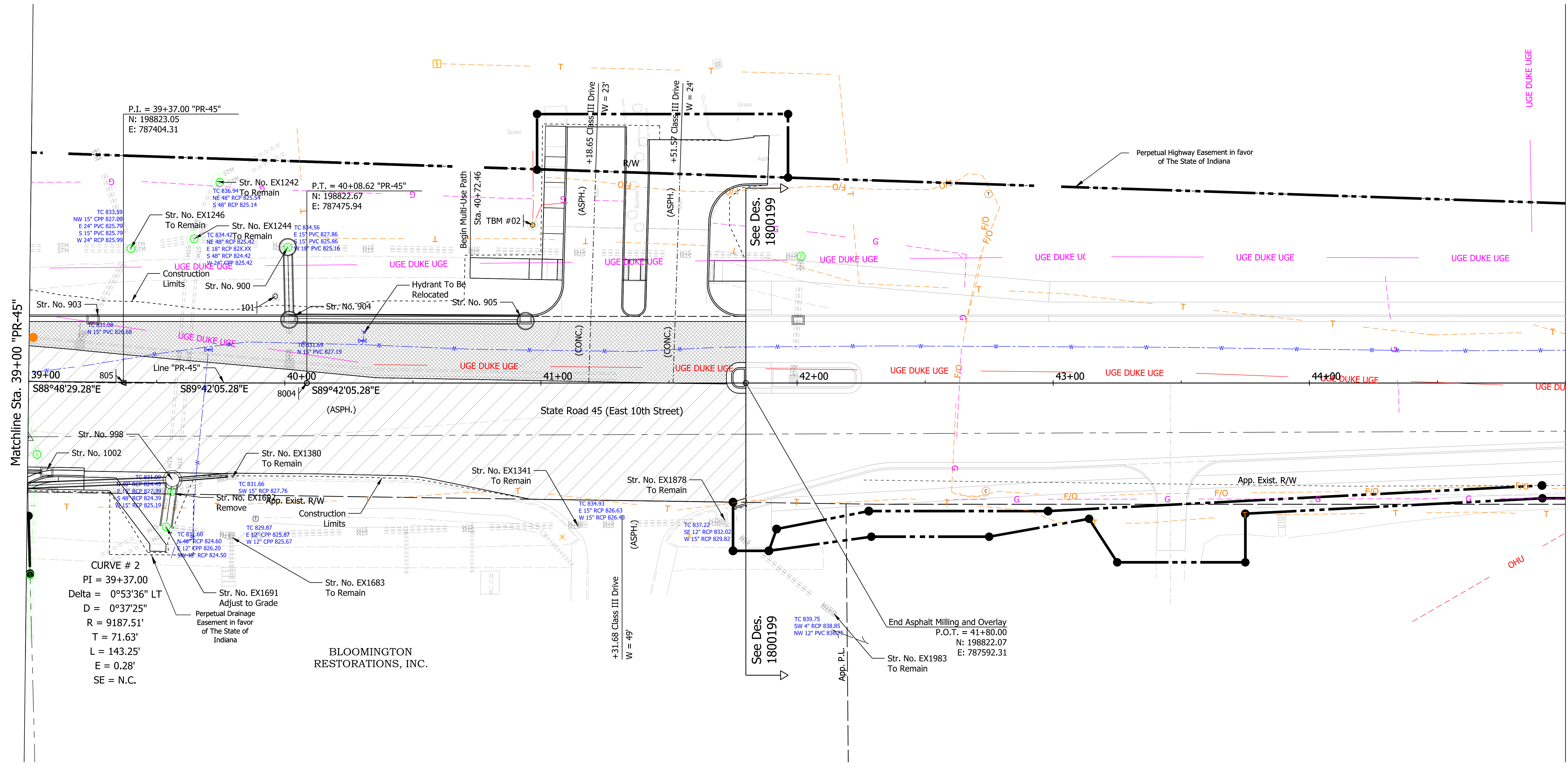
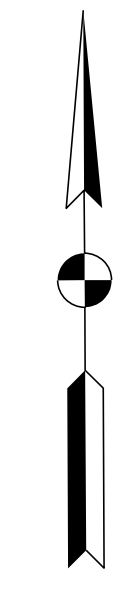
Note: Quality Level D utility information shown.

Legend:			
UGE DUKE UGE	Underground Electric		Underground Gas
SAN	Sanitary Sewer		Water
	Water		Underground Fiber Optic
	Storm Sewer		Underground Telephone

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MLM	8/21/2023	DRAWN: MLM
CHECKED: KLT	8/21/2023	CHECKED: KLT

INDIANA DEPARTMENT OF TRANSPORTATION	
UTILITY DETAILS	

SCALE	BRIDGE FILE
1"=20'	
SURVEY BOOK	SHEETS
R-42595	31 of 52
CONTRACT	PROJECT
	1800086



Matchline Sta. 39+00 'PR-45'

Matchline Sta. 45+00 'PR-45'

P.I. = 39+37.00 "PR-45"
N: 198823.05
E: 787404.31

P.T. = 40+08.62 "PR-45"
N: 198822.67
E: 787475.94

CURVE # 2
PI = 39+37.00
Delta = 0°53'36" LT
D = 0°37'25"
R = 9187.51'
T = 71.63'
L = 143.25'
E = 0.28'
SE = N.C.

BLOOMINGTON RESTORATIONS, INC.

Perpetual Highway Easement in favor of The State of Indiana

End Asphalt Milling and Overlay
P.O.T. = 41+80.00
N: 198822.07
E: 787592.31

Legend:	UGE DUKE UGE	Underground Electric	G	Underground Gas	Note: Quality Level D utility information shown.
STM	Storm Sewer	T	Underground Telephone		
SAN	Sanitary Sewer	F/O	Underground Fiber Optic		
W	Water				

NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MLM	8/21/2023	DRAWN: MLM 8/21/2023
CHECKED: KLT	8/21/2023	CHECKED: KLT 8/21/2023

INDIANA DEPARTMENT OF TRANSPORTATION	
UTILITY DETAILS	

SCALE	BRIDGE FILE
1"=20'	
	DESIGNATION
	1800086
SURVEY BOOK	SHEETS
	32 of 52
CONTRACT	PROJECT
R-42595	1800086

PAVEMENT QUANTITIES AND APPROACH TABLE

LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH FT	LENGTH FT	RADIUS FT	DISTANCE BEYOND R/W LINE SYS	SURFACE BEYOND R/W LINE			GRADE		EXCAVATION		SUBGRADE TREATMENT, TYPE II TON	HMA FOR APPROACHES, TYPE C			PCCP, 6 IN. SYS	PCCP FOR APPROACHES, 9 IN. SYS	HMA MATERIALS			HMA WEDGE AND LEVEL, TYPE B TON	COMPACTED AGGREGATE No. 53 SYS	GEOGRID, TYPE IB SYS	MILLING, PROFILE SYS	DENSE GRADED SUBBASE CYS	SUBGRADE TREATMENT, TYPE IBL SYS	SIDEWALK, CONCRETE SYS	JOINT ADHESIVE		LIQUID ASPHALT SEALANT LFT	ASPHALT FOR TACK COAT LFT	CURB, CONCRETE LFT	CURB AND GUTTER, CONCRETE LFT	HMA FOR SIDEWALK SYS	REMARKS	
						COMPACTED AGGREGATE BASE SYS	HMA SYS	CONCRETE %	1 %	2 %	CUT CYS	FILL SYS		LBS. PER SYD.					165 TON	275 TON	440 TON								SURFACE LFT	INTERMEDIATE LFT							
														165	220	880																					
SR 45 - Line "PR-45"																																					
Sta. 33+43.71 to Sta. 41+80	Mainline										1207	7				120		165		165	4,029	2	5		509		1,038	56	832	4,861	222	5	685	502	216		
Sta. 36+66.37 Rt.	Class III Drive	32	23.5	20/20				6.00	10.07							106									106		18	120									
Sta. 38+76.94 Rt.	Class III Drive	21	40	20/20				6.00	11.23							116									116		19	138									
Sta. 41+18.65 Lt.	Class III Drive	23	52.75	13/4				8.00	12.50							137									137		23	137									
Sta. 41+51.57 Lt.	Class III Drive	24	52.75	4/13				8.00	12.50							143									143		71	142									
TOTAL										1,207	7					120	502	165		165	4,029	2	5	502	509	131	1,576	56	832	4,861	222	5	685	502			

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INDIANA DEPARTMENT OF TRANSPORTATION	
APPROACH TABLE	

SCALE N.T.S.	BRIDGE FILE
	DESIGNATION 1800086
SURVEY BOOK	SHEETS 27 of 46
CONTRACT R-42595	PROJECT 1800086

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION				SIZE	PIPE TYPE	DESCRIPTION MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE AND TYPE	LENGTH	VIDEO INSPECTION LENGTH	SKEW	COVER		FLOW LINE				SUMP DEPTH	TOP OF CASTING	SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL TYPE 1	UNDERCUT			REVEALMENT RIPRAP	PIPE, REMOVE	PIPE END SECTION	CONNECT TO STR.	REMARKS																										
	STATION	LEFT	RIGHT	CROSS							OFFSET	IN.	LFT	RFT	MIN	MAX								ELEV.	ELEV.	IN.						ELEV.	YRS	CYS	CYS.	TONS	TON	LFT	EA.																		
																																								FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT
900	4001.11	X			53.06	18	EX.	Manhole, E	33	33	NA				825.16	825.22	NA	834.55	NA		NA	NA								1244	Restrictor Plate Cast into Structure for Detention																										
901	38+67.69	X			23.66	12	EX.	Inlet, B15	25	25	NA				826.23	826.19	NA	830.45	NA		NA	NA								1255	Cast into existing pipe (See Removals, Structure 1143)																										
902	38+22.00	X			22.98	12	EX.	Inlet, B15	25.5	25.5	NA				826.78	826.33	NA	830.7	NA		NA	NA								1268	Cast into existing pipe (See Removals, Structure 1153)																										
903	39+27.92	X			30.3	12	EX.	Inlet, B15	28	28	NA				826.43	825.79	NA	830.82	NA		NA	NA									1246	Cast into existing pipe (See Removals, Structure 1133)																									
904	40+01.68	X			26.22	36	2	Manhole, K15	25	25	NA	1.8	4		825.9	825.86	NA	831.92	NA		6.5	1	26								900	Inline Detention																									
905	40+93.93	X			25.86	36	2	Manhole, K15	88.5	88.5	NA	0.5	1.8		826.05	825.9	NA	834.02	75		6.5	1	26								904	Inline Detention																									
998	39+55.98	X			42.53	48	2	Manhole, E	15	15	NA	1.5	2.5		824.39	824.2	NA	830.82	75		6.5	1	23.46								1691																										
999	38+64.79	X			42.52	24	2	Manhole, C	88.5	88.5	NA	1.7	2.7		826	825.69	NA	831.08	75		6.5	1	58.11								998																										
1000	38+64.68	X			35.39	18	2	Inlet, C15	4	4	NA	1.6	2.4		826.55	826.5	NA	830.32	75		6.5	1	1.75								999																										
1001	38+75.00	X			35	12	2	Inlet, C5	6.5	6.5	NA				827.15	827.05	NA	830.34	75		6.5	1	1.3								1000																										
1002	39+07.48	X			35.25	12	2	Inlet, B15	29.5	29.5	NA				827.3	827.15	NA	830.4	75		6.5	1	5.88								1001																										
1003	38+40.00	X			35.25	12	2	Inlet, B15	20	20	NA				827.25	827.05	NA	830.4	75		6.5	1	3.99								1000																										
1004	38+00.00	X			36.28	12	2	Inlet, B15	37.5	37.5	NA		0.3		827.4	827.25	NA	830.83	75		6.5	1	8.49								1003																										
1005	36+09.42	X			38.84	12	EX.	Inlet, B15	2	2	NA				831	830.96	NA	835.4	NA		NA	NA									2907	Cast into existing pipe (See Removals, Structure 2908)																									
1380	39+79.82	X			35.84	15	2	Inlet, B15	20	20	NA	1.2	1.2		827.76	827.39	NA	831.19	NA		6.5	1	5.97								998																										

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INDIANA DEPARTMENT OF TRANSPORTATION

STRUCTURE DATA TABLE

SCALE N.T.S.	BRIDGE FILE
	DESIGNATION 1800086
SURVEY BOOK	SHEETS 28 of 46
CONTRACT R-42595	PROJECT 1800086

STRUCTURE DATA																																									
STRUCTURE NUMBER	LOCATION				SIZE	DESCRIPTION	LENGTH	VIDEO INSPECTION LENGTH	SKEW	COVER		FLOW LINE			SUMP DEPTH	TOP OF CASTING	SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL TYPE 1	UNDERCUT		REVEALMENT RIPRAP	PIPE, REMOVE	PIPE END SECTION	CONNECT TO STR.	REMARKS													
	STATION	LEFT	RIGHT	CROSS						OFFSET	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE AND TYPE	LFT	LFT								MIN	MAX						UP STREAM	DOWN STREAM	ELEV.	ELEV.	IN.	ELEV.	YRS	CYS	CYS.	TONS	TON	LFT	EA.
Existing Structures To Remain																																									
2948	Line "PR-45"		X		38.94	15	EX.	Existing Inlet	83.5	83.5	NA			833.19	831.36	NA	838.18	NA	NA	NA							2907	Adjust to Grade													
2505	3547.51		X		42	12	EX.	Existing Inlet	103	102.5	NA			834.33	830.43	NA	838.16	NA	NA	NA							2483														
2907	3609.56		X		43.61	15	EX.	Existing Manhole	121	120.5	NA			829.66	826.97	NA	835.96	NA	NA	NA							1445	Adjust to Grade													
2483	36+52.91		X		42	15	EX.	Existing Inlet	25.5	25.5	NA			830.23	830	NA	834.63	NA	NA	NA							2627														
2627	3677.82		X		50.36	15	EX.	Existing Inlet	75.5	75.5	NA			829.8	827.67	NA	834.69	NA	NA	NA							1276														
1420	3734.61		X		35.54	12	EX.	Existing Inlet	4	4	NA			827.21	826.97	NA	831.91	NA	NA	NA							1445														
1445	3734.71		X		42.76	24	EX.	Existing Manhole	127	126.5	NA			826.77	826.58	NA	832.87	NA	NA	NA							999	Adjust to Grade													
1136	3756.01		X		38	12	EX.	Existing Inlet	21.5	21.5	NA			827.12	826.87	NA	831.76	NA	NA	NA							1276														
1276	3757.01		X		51.54	24	EX.	Existing Manhole	61	61	NA			826.67	826.43	NA	836.87	NA	NA	NA							1268														
1268	3821.95		X		51.57	24	EX.	Existing Manhole	42	42	NA			826.23	826.29	NA	836.93	NA	NA	NA							1255														
1255	3867.69		X		51.83	24	EX.	Existing Manhole	67.5	67.5	NA			826.09	825.99	NA	834.49	NA	NA	NA							1246														
1246	3939.4		X		52.23	24	EX.	Existing Manhole	21.5	21.5	NA			825.79	825.42	NA	833.59	NA	NA	NA							1244														
1691	3953.92		X		56.33	48	EX.	Existing Manhole	100	100	NA			824.4	823.65	NA	831.6	NA	NA	NA							Outfall	Adjust to Grade													
1244	3964.25		X		56.19	48	EX.	Existing Manhole	90.5	90.5	NA			824.42	824.3	NA	834.42	NA	NA	NA				5		1692															
1242	3974.26		X		78.27	48	EX.	Existing Manhole	20.5	20.5	NA			825.14	825.42	NA	836.94	NA	NA	NA							1244														
1683	3979.43		X		59.11	24	EX.	Existing Catch Basin	22	22	NA			825.67	825.6	NA	829.83	NA	NA	NA							1691														
1341	4115.28		X		55.09	24	EX.	Existing Inlet	133	132.5	NA			826.43	825.87	NA	834.93	NA	NA	NA							1683														
1878	4171.05		X		53.71	15	EX.	Existing Inlet	29	29	NA			829.82	828.04	NA	837.22	NA	NA	NA							1341														
1817	4201.49		X		49.57	15	EX.	Existing Manhole	197	196.5	NA			832.87	827.86	NA	844.68	NA	NA	NA							1245														
1983	4214.39		X		88.69	12	EX.	Existing Catch Basin	52	52	NA			836.75	832.02	NA	839.22	NA	NA	NA							1878														
Existing Structure Removals																																									
2908	3611.07		X		34.87		EX.	Existing Inlet																		7															
1153	3823.65		X		22.31		EX.	Existing Inlet																		2															
1143	3868.54		X		18.76		EX.	Existing Inlet																		4															
1133	3920.83		X		14.73		EX.	Existing Inlet																		6															
1123	4003.59		X		7.38		EX.	Existing Inlet																		35															
1245	3864.68		X		53.06		EX.	Existing Manhole																																	
1400	3864.68		X		35.39		EX.	Existing Inlet																		4															
1401	3864.79		X		42.52		EX.	Existing Manhole																		85															
1692	3955.98		X		42.53		EX.	Existing Manhole																		10															

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INDIANA
DEPARTMENT OF TRANSPORTATION

STRUCTURE DATA TABLE

SCALE	BRIDGE FILE
	DESIGNATION
	1800086
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
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