PROJECT	DESIGNATION
0901798	0901798
CONTRACT	
R-34815	

INDIANA DEPARTMENT OF TRANSPORTATION

ROAD PLANS

DUPONT ROAD - FT. WAYNE, IN.

PROJECT NO. 0901798 P.E.
0901798 R.W.
0901798 C.N.

TRAFFIC DATA	DUPONT ROAD FROM LIMA TO OAKTREE	DUPONT ROAD FROM OAKTREE TO LIMBERLOST	DUPONT ROAD FROM LIMBERLOST TO COLDWATER	HICKORY TREE ROAD
ADT (2016)	22,590 VPD	22,176 VPD	26,096 VPD	622 VPD
ADT (2036)	34,370 VPD	33,739 VPD	39,703 VPD	743 VPD
DHV (2036)	3,289 VPH	3,204 VPH	3,766 VPH	74 VPH
DIRECTIONAL DISTRIBUTION	EB 50% / WB 50%	EB 50% / WB 50%	EB 50% / WB 50%	NB 50% / SB 50%
TRUCKS	2.4 % ADT	1.25 % ADT	1.6 % ADT	1 % ADT
	2.4 % DHV	1.25 % DHV	1.6 % DHV	1 % DHV
DESIGN DATA				
DESIGN SPEED	45 MPH	45 MPH	45 MPH	30 MPH
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)	3R (NON-FREEWAY)	3R (NON-FREEWAY)	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	ARTERIAL	ARTERIAL	ARTERIAL	LOCAL STREET
RURAL/URBAN	URBAN (INTERMEDIATE)	URBAN (INTERMEDIATE)	URBAN (INTERMEDIATE)	URBAN (SUBURBAN)
TERRAIN	LEVEL	LEVEL	LEVEL	LEVEL
ACCESS CONTROL	NONE	NONE	NONE	NONE

MAYOR

HONORABLE THOMAS C. HENRY

BOARD OF PUBLIC WORKS

ROBERT KENNEDY, CHAIR

KUMAR MENON, MEMBER

MIKE AVILA, MEMBER

Addded travel lanes beginning 512' East of the intersection of Lima Road (S.R. 3) and proceeding Easterly 8961' along Dupont Road to 100' West of the intersection of Coldwater Road. The project is located in Sections 32 & 33 of T32N and Sections 3 & 2 T31N, R13E, Allen County, Indiana

HUC No: 04100003100030

GROSS LENGTH:- 1.70 miles
NET LENGTH:- 1.70 miles

LATITUDE N 41° 10' 40"
LONGITUDE W 85° 08' 56"

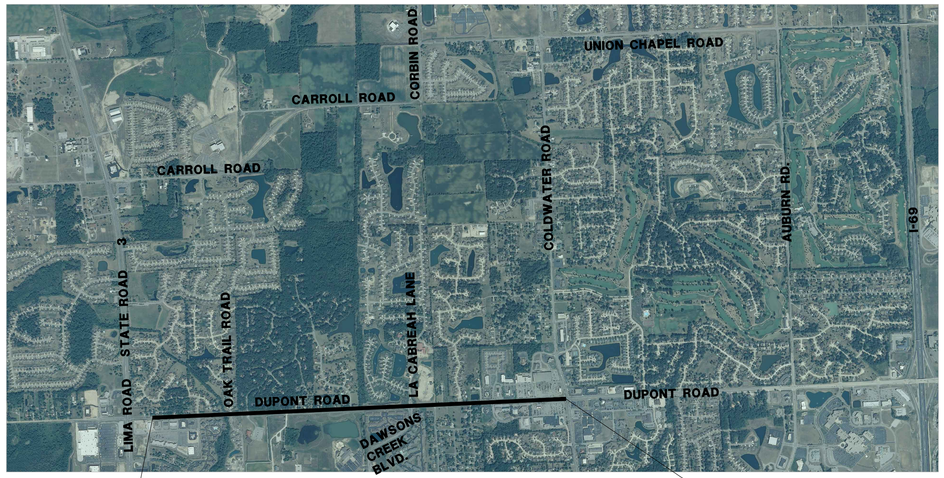
SCALES:-

PLAN:- LONG:- 1:20
TRANS:- 1:20

PROFILE:- HORIZ:- 1" = 20'
VERT:- 1" = 5'

MAX GRADE:- 3.79%

PROJECT LOCATION SHOWN BY



BEGIN STP PROJECT No. 0901798
P.O.T. STA. 15+12.31 "PR-A"

END STP PROJECT No. 0901798
P.O.T. STA. 104+73.30 "PR-A"

LOCATION MAP

SCALE: N.T.S.

FT. WAYNE, INDIANA

PERRY & WASHINGTON TOWNSHIP, ALLEN COUNTY

[INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED 2013 TO BE USED WITH THESE PLANS]

2/13/14

gai consultants
1502 Magnavox Way
Fort Wayne, Indiana 46804
Tel: (260)969-8800 Fax: (260)969-8888
www.gaiconsultants.com

PLANS PREPARED BY: GAI CONSULTANTS (260) 969-8800
PHONE NUMBER

CERTIFIED BY: DATE

APPROVED FOR LETTING: INDIANA DEPARTMENT OF TRANSPORTATION DATE

DESIGNATION
0901798

SHEETS		
1	of	180

CONTRACT	PROJECT
R-34815	0901798

P:\FTW-2011\D101152.00 Dupont Road Fort Wayne\DWG\D 101152 T1.dwg, 12/12/13 at 9:54 AM, ehrnstd, full

UTILITIES

GAS -
NORTHERN INDIANA PUBLIC SERVICE CO.
(NIPSCO)
1501 HALE AVE.
FT. WAYNE, IN. 46802
(260) 439-1221
CONTACT PERSON: LISA OTIS

ELECTRIC -
AEP
3514 LANDIN ROAD
NEW HAVEN, IN. 46774
(260) 421-1766
CONTACT PERSON: TOM KANNING

NORTHEASTERN REMC
4901 EAST PARK 30 DRIVE
P.O. BOX 171
COLUMBIA CITY, IN. 46725
(260) 244-6111
CONTACT PERSON: JERRY DECHANT

CABLE TV -
COMCAST
720 TAYLOR STREET
FORT WAYNE, IN. 46802
(260) 458-5179
CONTACT PERSON: DAVID HARRIS

STORM / SANITARY -
FORT WAYNE CITY UTILITIES
ONE MAIN STREET
FORT WAYNE, IN. 46802
(260) 427-2680
CONTACT PERSON: GRAIG BERNDT

PHONE -
VERIZON NORTH INC.
8001 WEST JEFFERSON BLVD.
FORT WAYNE, IN. 46804
(260) 461-3650
CONTACT PERSON:
JEAN-PAUL KLONJI

RVP FIBER OPTIC
(FORMERLY U.S. X-CHANGE)
20 N. MONROE N.W. SUITE 450
GRAND RAPIDS, MI. 49503
CONTACT PERSON:
TIM HALL (616) 988-7035

AT&T INDIANA
240 N. MERIDIAN STREET
ROOM 225
INDIANAPOLIS, IN. 46204
(317) 968-6017
CONTACT PERSON:
SCOTT OSTERMEIER

WATER -
AQUA SOURCE
2200 W. COOK ROAD
FORT WAYNE, IN. 46818
(260) 489-1502
CONTACT PERSON:
DUANE EMBURY

FORT WAYNE CITY UTILITIES
ONE MAIN STREET
FORT WAYNE, IN. 46802
(260) 427-2680
CONTACT PERSON:
CRAIG BERNDT

REVISIONS

SHEET NO.	DATE	REVISED

DETAIL INDEX

SHEET NO.	DESIGNATION

GENERAL NOTES

	All Earth Shoulders, Median Area, and Cut and Fill slopes shall be plain or mulch seeded except where sodding is specified.
	The final cross sections of the grading contract will be the original cross sections of the paving contract. However, partial or complete cross sections shall be taken if necessary to determine the actual excavation quantities.
	The Paper Relocation will be cross sectioned by the Engineer before construction.
	Existing asphalt pavement located outside the construction limits, between Sta. and Sta. , shall be removed as directed.
	The quantity of peat excavation shown on the plans has been estimated on the basis of theoretical cross-sections by using treatment of existing fills, treatment by removal, or treatment by displacement, where each treatment applies.
**	The plans show some of the utilities located within the limits of the contract according to information obtained from the various utility companies. The accuracy of the plans in this respect is not guaranteed by GAI.

** Represents General Notes Required.

INDEX

FEDERAL ROAD REGION No.
5

SHEET NO.	DESIGNATION	F.H.W.A. APPROVAL	DATE ADOPTED "A" or LATEST REVISION "R"
1	TITLE SHEET		
2	INDEX SHEET AND GENERAL NOTES		
3 - 4	PLAT NO. 1		
5 - 6	TYPICAL CROSS SECTIONS		
7 - 21	TRAFFIC MAINTENANCE DETAILS		
22 - 41	PLAN AND PROFILES		
42 - 46	SPOT ELEVATION DETAILS - NOT USED		
47 - 69	DRAINAGE DETAILS		
70 - 73	EROSION CONTROL DETAILS - NOT USED		
74 - 79	RETAINING WALL DETAILS		
80	GENERAL PLAN - PUFFERBELLY TRAIL CROSSING		
81 - 95	PAVEMENT MARKING & SIGNING DETAILS		
96 - 99	SIGNAL DETAILS		
100 - 114	LIGHTING DETAILS		
115	LIGHTING TABLE		
116 - 118	SHEET SIGN & POST SUMMARY TABLE		
119	APPROACH TABLE AND PAVEMENT SUMMARY		
120	UNDERDRAIN TABLE - NOT USED		
121 - 130	STRUCTURE DATA TABLE		
131 - 132	PIPE MATERIALS SHEET		
133 - 183	CROSS SECTIONS		
*	NOT IN SUBMITTAL		

2/10/14

P:\FTW\2011\0101152.00 Dupont Road Fort Wayne\DWG\D 101152 ID.dwg, 2/10/14 at 10:42 AM, dovenps, 1"=1'

gai consultants
1502 Magnavox Way
Fort Wayne, Indiana 46804
Tel: (260)969-8800 Fax: (260)969-8888
www.gaiconsultants.com

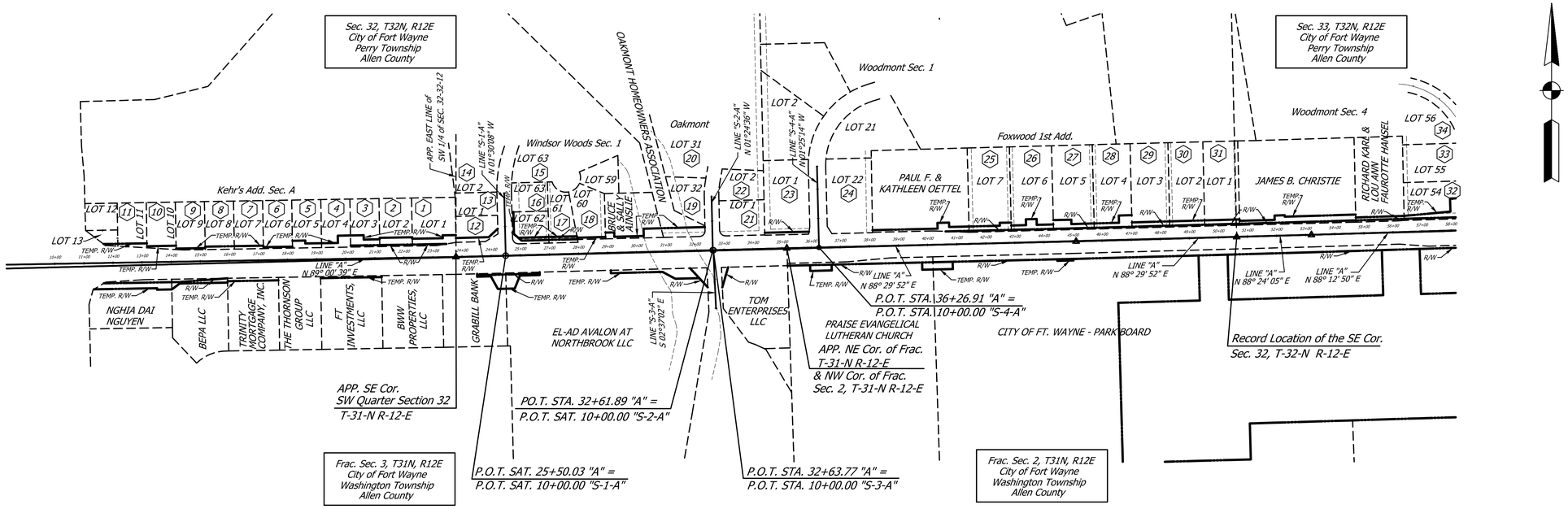
RECOMMENDED
FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: F.M.M. DRAWN: P.L.B.
CHECKED: . CHECKED:

INDIANA
DEPARTMENT OF TRANSPORTATION

INFORMATION SHEET

HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
	2 of 183
CONTRACT	PROJECT
R-34815	0901798



KEHR'S ADDITION SECTION A

INDEX No.	PROPERTY OWNER	LOT
1	NGHIA DAI NGUYEN	1
2	NGHIA D. & HOP T. NGUYEN	2
3	TFHC LLC	3
4	TFHC LLC	4
5	JAMES R. THOMAS	5
6	CAN & HOP NGUYEN	6
7	NGHIA D. & HOP T. NGUYEN	7
8	ALAN L. & VIRGINIA A. NGUYEN	8
9	DOYLE L. & DARYL D. & DALE E. KIZER	9
10	DOROTHY B. ANDERSON	10
11	ZOHRAB K. & NAOMI K. TAZIAN	11, 12, 13

12	DAVID A. & DEBRA L. WILSON	

WINDSOR WOODS SECTION 1

13	RORY J. SIREN	1
14	ELVIRA & FIKRET SABIC	2
15	GERALD L. & MARCIA L. LISTER	64
16	ROGER J. & CONNIE J. BUCHTMAN	62, 63
17	LAWERENCE R. & LORETTA K. HERB	61
18	FLAGSTAR BANK FSB	60

OAKMONT

INDEX No.	PROPERTY OWNER	LOT
19	ROBERT H. JR. & JENNIFER J. GUFBARD	31
20	JAMES STEPHEN & BEVERLY ANN MACDONALD	32
21	MARY A. BEAR	1
22	DAVID KRISPEL	2

WOODMONT SECTION 1

23	PETER A. MAROTLI	1
24	DAVID A. & ALLA KISTLER	22

FOXWOOD 1ST ADDITION

25	EARL W. & JANE A. MORRIS	7
26	TERRY & JACQUELINE CARBONI	6
27	ROBERT D. & CINDY L. SCOTTON	5
28	GARY & DOROTHY J. KOLKMAN	4
29	JOSEPH VORNDRAN	3
30	JOHN P. & BEVERLY J. MANLY	2
31	CHERYL A. & JOHN K. DISER	1

WOODMONT SECTION 4

32	JAMES JOSEPH & HELEN JANE BARVA	54
33	STEPHEN D. SWINEHART & STEPHANIA S. HOFFMAN	55
34	JAY R. & TONYA R. MILLER	56

LEGEND

-------- EXISTING EASEMENT LINE

gai consultants
1502 Magnavox Way
Fort Wayne, Indiana 46804
Tel: (260)969-8800 Fax: (260)969-8888
www.gaiconsultants.com

RECOMMENDED
FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: F.M.M. DRAWN: R.L.R.
CHECKED: . CHECKED:

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAT NO. 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 200'	
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
	5 of 183
CONTRACT	PROJECT
R-34815	0901798

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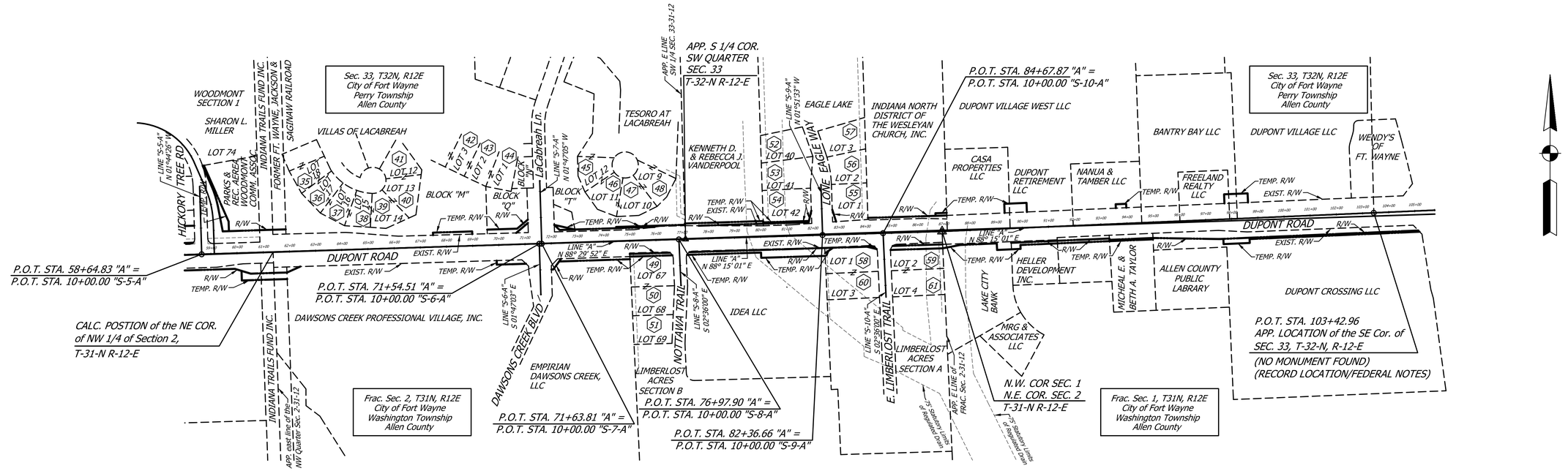


VILLAS OF LACABREAH

INDEX No.	PROPERTY OWNER	LOT
35	VILLAS OF LACABREAH	18
36	VILLAS OF LACABREAH	17
37	VILLAS OF LACABREAH	16
38	VILLAS OF LACABREAH	15
39	VILLAS OF LACABREAH	14
40	VILLAS OF LACABREAH	13
41	VILLAS OF LACABREAH	12
42	VILLAS OF LACABREAH	3
43	VILLAS OF LACABREAH	2
44	VILLAS OF LACABREAH	1

TESORO AT LACABREAH

45	GRD GROUP, INC.	12
46	GRD GROUP, INC.	11
47	GRD GROUP, INC.	10
48	GRD GROUP, INC.	9

LIMBERLOST ACRES SECTION B

49	RONNIE M. & LINDA L . MCCHESNEY	67
50	RONNIE M. & LINDA L . MCCHESNEY	68
51	BERNARD F. & CAROLE A. SZUHAJ	69

EAGLE LAKE SECTIOPN 1

INDEX No.	PROPERTY OWNER	LOT
52	DARRYL E. WILLIAMSON & DIONNE J. HLADI	40
53	WILLIAM L. SCHRADER	41
54	DAVID A. & MARY S. MAYNARD	42
55	DOUGLAS L. & KAREN A. MILLER	1
56	JAMES B. JR. & JENNIFER G. RICHEY	2
57	CLINT & KINDRA J. KUGLER	3

LIMBERLOST ACRES SECTION A

58	DAVID J. & PAULA R. DEWALD	1
59	JEFFERY M. & ELIZABETH PULWASKI	2
60	DAVID J. & PAULA R. DEWALD	3
61	JEFFERY M. & ELIZABETH PULWASKI	4

LEGEND

-------- EXISTING EASEMENT LINE

P:\FTW\2011\0101152.00 Dupont Road Fort Wayne\DWG\D 101152 PLAT2_recover.dwg, 2/11/14 at 2:21 PM, dovenjs, 1"=200'

gai consultants
1502 Magnavox Way
Fort Wayne, Indiana 46804
Tel: (260)969-8800 Fax: (260)969-8888
www.gaiconsultants.com

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

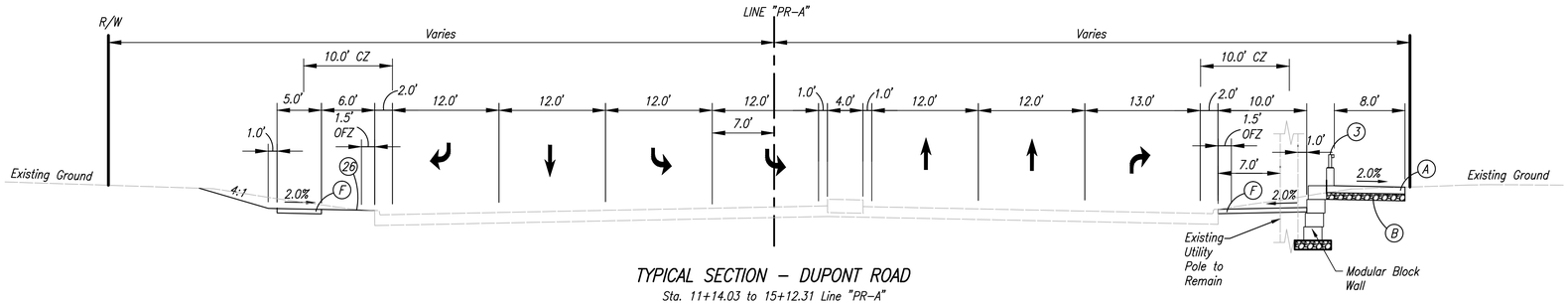
DESIGNED: F.M.M. DRAWN: R.L.R.

CHECKED: . CHECKED:

INDIANA DEPARTMENT OF TRANSPORTATION

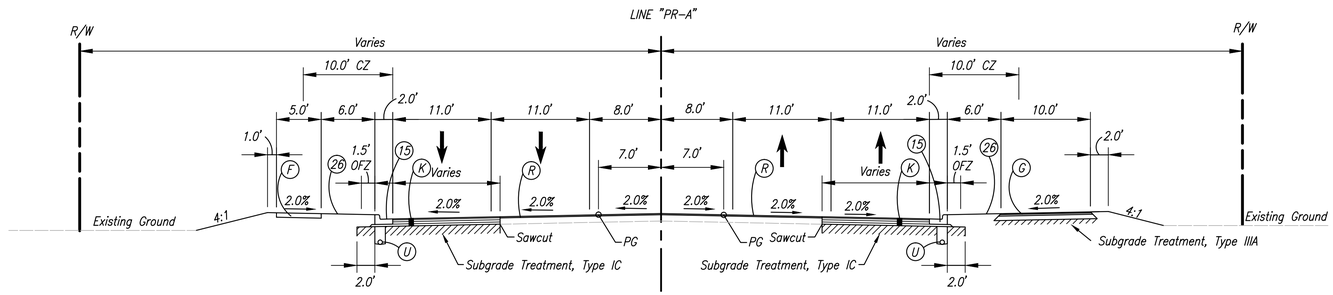
PLAT NO. 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 200'	
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
	6 of 183
CONTRACT	PROJECT
R-34815	0901798



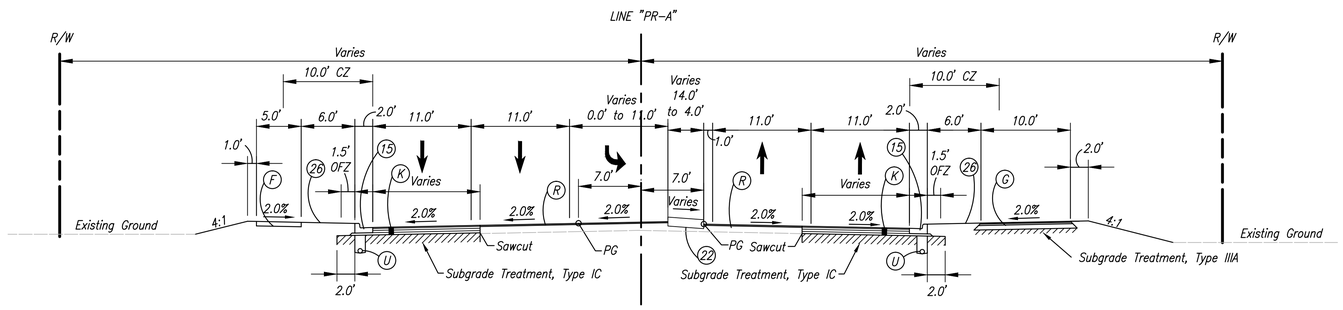
TYPICAL SECTION – DUPONT ROAD

Sta. 11+14.03 to 15+12.31 Line "PR-A"



TYPICAL SECTION – DUPONT ROAD

Two-Way Left Turn Lane
Sta. 23+81.11 to 27+16.24 Line "PR-A"
Sta. 31+27.12 to 37+71.17 Line "PR-A"
Sta. 44+39.20 to 46+10.20 Line "PR-A"
Sta. 57+75.26 to 59+46.26 Line "PR-A"
Sta. 69+71.82 to 73+45.25 Line "PR-A"
Sta. 76+57.13 to 82+68.73 Line "PR-A"



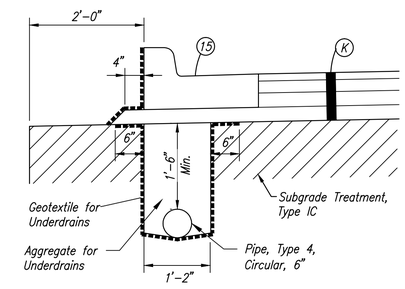
TYPICAL SECTION – DUPONT ROAD

Left Turn Lane
Sta. 15+12.31 to 17+02.16 Line "PR-A"
Sta. 22+81.11 to 23+81.11 Line "PR-A"
Sta. 27+16.24 to 31+27.12 Line "PR-A"
Sta. 37+71.17 to 38+71.17 Line "PR-A"
Sta. 46+10.20 to 47+10.20 Line "PR-A"
Sta. 55+01.20 to 57+75.26 Line "PR-A"
Sta. 68+71.82 to 69+71.82 Line "PR-A"
Sta. 73+45.25 to 76+23.02 Line "PR-A"

Note: Turn lane is mirrored for opposite direction

LEGEND

- (A1) Reinforced Concrete Moment Slab, 12"
- (A2) 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Intermediate, 19.0mm on Reinforced Concrete Moment Slab, 12"
- (B) 6" Compacted Aggregate No. 53 Base
- (C) 6" Coarse Aggregate #8
- (D) 3" Compacted Aggregate No. 53 Base
- (F) Sidewalk, Concrete, 4"
- (G) 140#/sys HMA Surface Type A on, 220#/sys HMA Intermediate Type A on, 6" Compacted Aggregate No. 53 Base Subgrade Treatment, Type IIIA (6" Coarse Aggregate No. 53)
- (K) 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Intermediate, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (2 Lifts)
- (K_1) 165#/sys QC/QA-HMA, 1, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 1, 70, Intermediate, 19.0mm on 6" Compacted Aggregate No. 53 Base (2 Lifts)
- (R) Milling, Asphalt 1.5" then 165#/sys QC/QA-HMA, 3, 70, Surface 9.5mm on Existing Pavement
- (U) Underdrain, See Detail
- (3) Concrete Railing, Type PF-1
- (4) Modified Concrete Railing, Type PF-1
- (13) Curb, Concrete
- (15) Combined Concrete Curb & Gutter, See Detail
- (22) Concrete Center Curb, Type D
- (26) Sodding (Nursery)



UNDERDRAIN DETAIL

NOT TO SCALE

UNITED Consulting
1625 N. Post Road
Indianapolis, IN 46219
Phone 317-895-2585
Fax 317-895-2596
www.ucindy.com

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

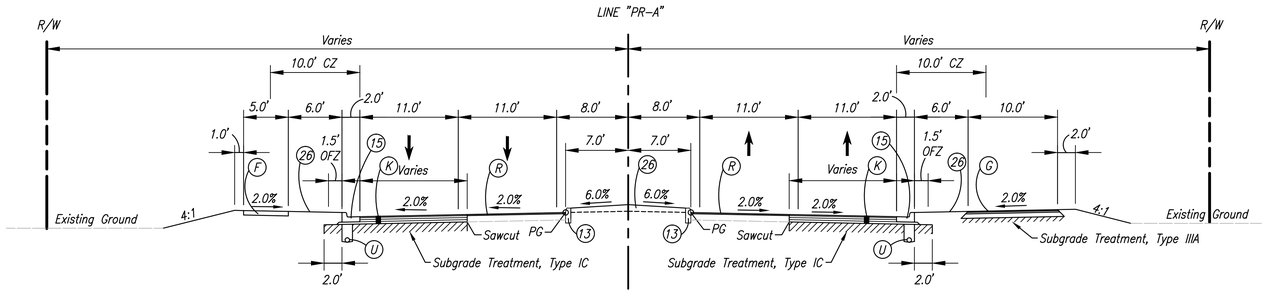
DESIGNED: WDN | DRAWN: MAC
CHECKED: JAR | CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1" = 8'	.
VERTICAL SCALE	DESIGNATION
NA	0901798
SURVEY BOOK	SHEETS
.	5 of 183
CONTRACT	PROJECT
.	.

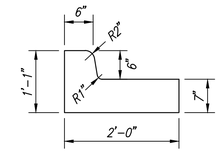
File Name: P:\2301.11-401\Road\Dwg\Plans\Typical Cross-Sections.dwg Plot Date: 1/29/2014 Plotted By: Nimz, John



TYPICAL SECTION – DUPONT ROAD

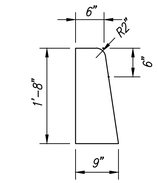
Raised Median

Sta. 17+02.16 to 22+81.11 Line "PR-A"
Sta. 38+71.17 to 44+39.20 Line "PR-A"
Sta. 47+10.20 to 55+01.20 Line "PR-A"
Sta. 59+46.26 to 59+85.00 Line "PR-A"
Sta. 64+35.00 to 68+71.82 Line "PR-A"
Sta. 76+23.02 to 76+57.13 Line "PR-A"
Sta. 82+68.73 to 84+37.25 Line "PR-A"



CURB & GUTTER, CONCRETE, MODIFIED

NOT TO SCALE

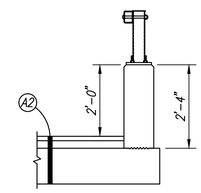


CONCRETE CURB

NOT TO SCALE

LEGEND

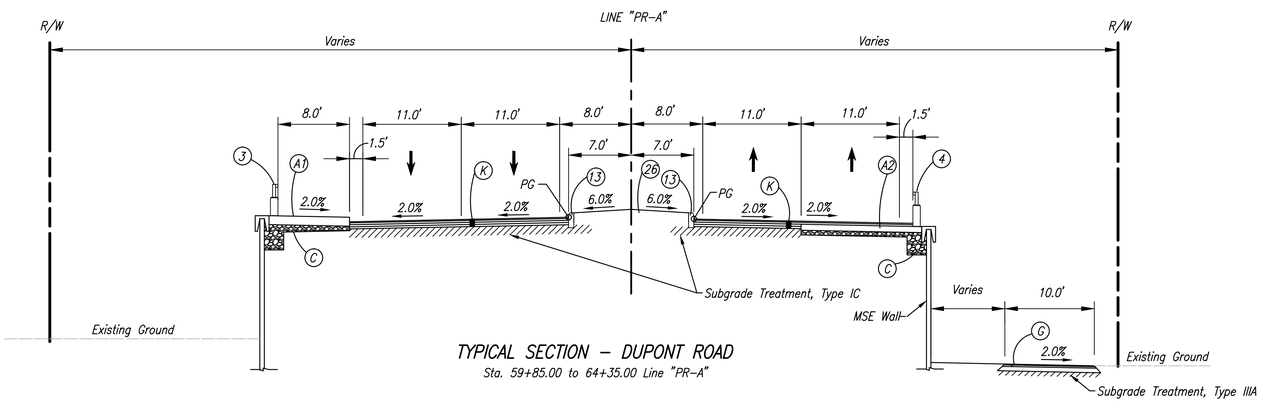
- (A1) Reinforced Concrete Moment Slab, 12"
- (A2) 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Intermediate, 19.0mm on Reinforced Concrete Moment Slab, 12"
- (B) 6" Compacted Aggregate No. 53 Base
- (C) 6" Coarse Aggregate #8
- (D) 3" Compacted Aggregate No. 53 Base
- (F) Sidewalk, Concrete, 4"
- (G) 140#/sys HMA Surface Type A on, 220#/sys HMA Intermediate Type A on, 6" Compacted Aggregate No. 53 Base Subgrade Treatment, Type IIIA (6" Coarse Aggregate No. 53)
- (K) 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Intermediate, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (2 Lifts)
- (K_1) 165#/sys QC/QA-HMA, 1, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 1, 70, Intermediate, 19.0mm on 6" Compacted Aggregate No. 53 Base (2 Lifts)
- (R) Milling, Asphalt 1.5" then 165#/sys QC/QA-HMA, 3, 70, Surface 9.5mm on Existing Pavement
- (U) Underdrain, See Detail
- (3) Concrete Railing, Type PF-1
- (4) Modified Concrete Railing, Type PF-1
- (13) Curb, Concrete
- (15) Combined Concrete Curb & Gutter, See Detail
- (22) Concrete Center Curb, Type D
- (26) Sodding (Nursery)



See Std Drawing Series E706-BRPP for additional details. Reinforcing steel shall be modified as needed.

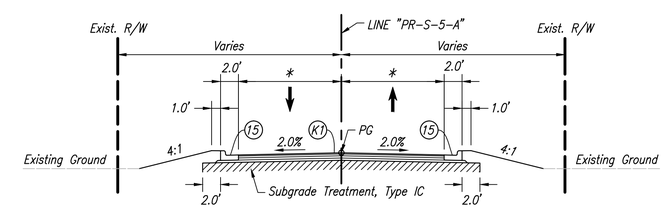
MODIFIED CONCRETE RAILING, TYPE PF-1

NOT TO SCALE



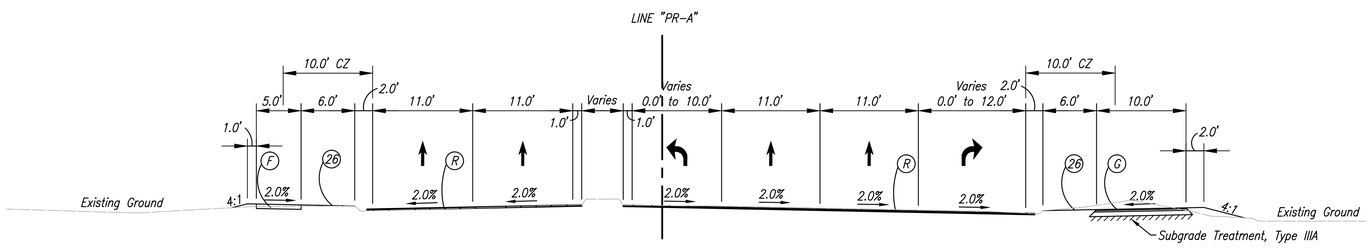
TYPICAL SECTION – DUPONT ROAD

Sta. 59+85.00 to 64+35.00 Line "PR-A"



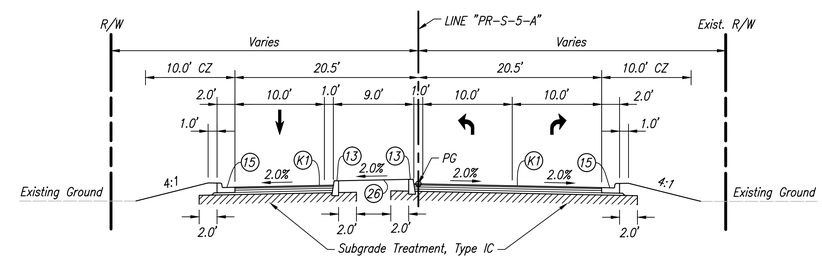
TYPICAL SECTION – HICKORY TREE ROAD

*11.5' From Sta. 12+75.00 to 14+66.70 Line "PR-S-5-A"
*Varies From 11.5' @ Sta. 14+66.70 To 20.5' @ Sta. 15+46.70 Line "PR-S-5-A"



TYPICAL SECTION – DUPONT ROAD

Sta. 84+37.25 to 104+73.30 Line "PR-A"
Note: Turn lane is mirrored for opposite direction



TYPICAL SECTION – HICKORY TREE ROAD

Sta. 14+46.70 To 16+10.73 Line "PR-S-5-A"

UNITED Consulting
1625 N. Post Road
Indianapolis, IN 46219
Phone 317-895-2585
Fax 317-895-2596
www.ucindy.com

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: WDN DRAWN: MAC
CHECKED: JAR CHECKED: JAR

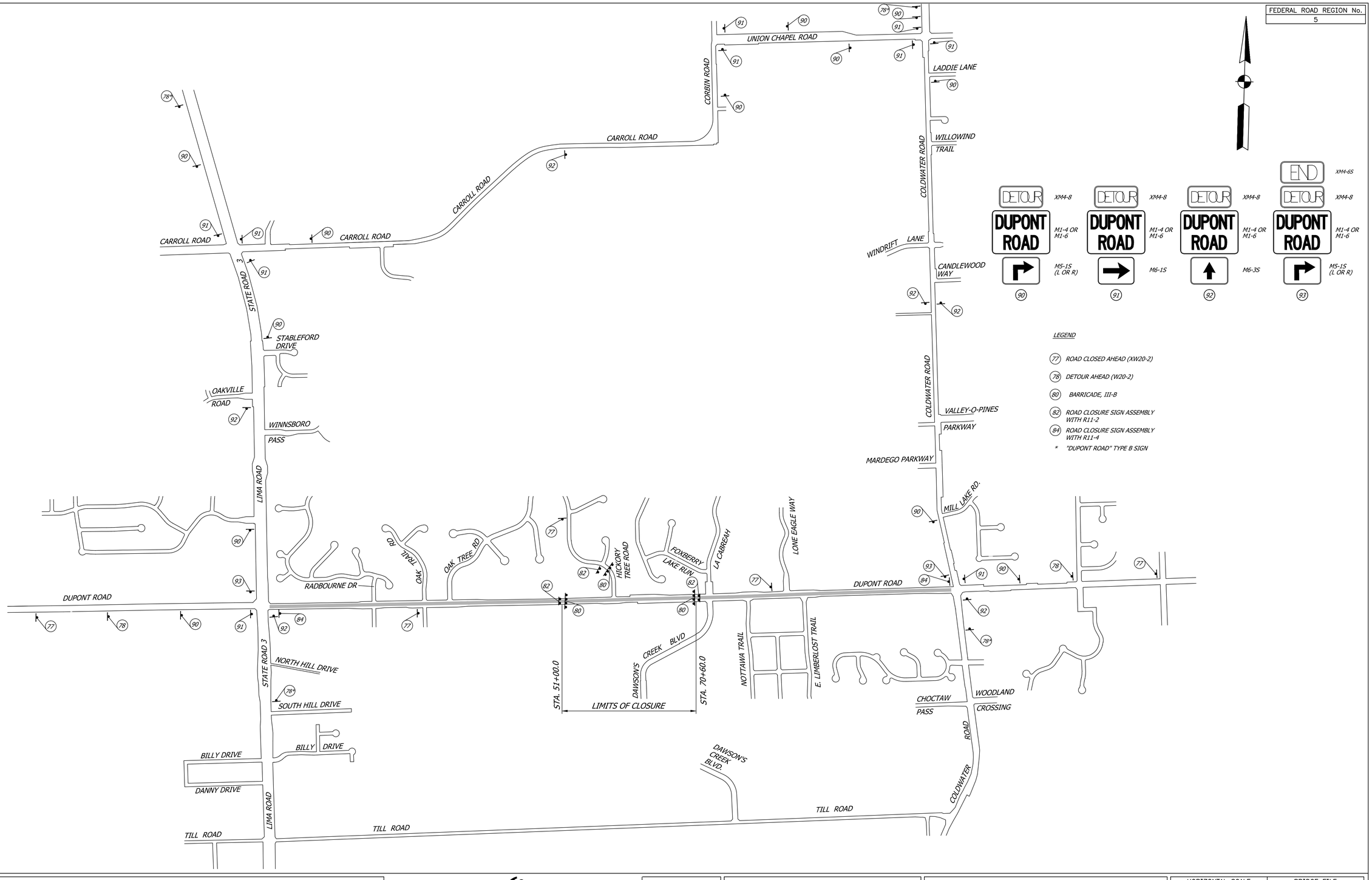
INDIANA DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1" = 8'	.
VERTICAL SCALE	DESIGNATION
NA	0901798
SURVEY BOOK	SHEETS
.	6 of 183
CONTRACT	PROJECT
.	.

File Name: P:\C3D\11-401\Road\Dwg\Plans\Typical Cross-Sections.dwg Plot Date: 1/29/2014 Plotted By: Nintz, John

FEDERAL ROAD REGION No.
5



2/11/14

gai consultants
1502 Magnavox Way
Fort Wayne, Indiana 46804
Tel: (260)969-8800 Fax: (260)969-8888
www.gaiconsultants.com

RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: F.M.M. DRAWN: R.L.R
CHECKED: . CHECKED:

INDIANA DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
DETOUR PLAN – PHASES I & II

HORIZONTAL SCALE	BRIDGE FILE
N.T.S.	
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
	7 of 183
CONTRACT	PROJECT
R-34815	0901798

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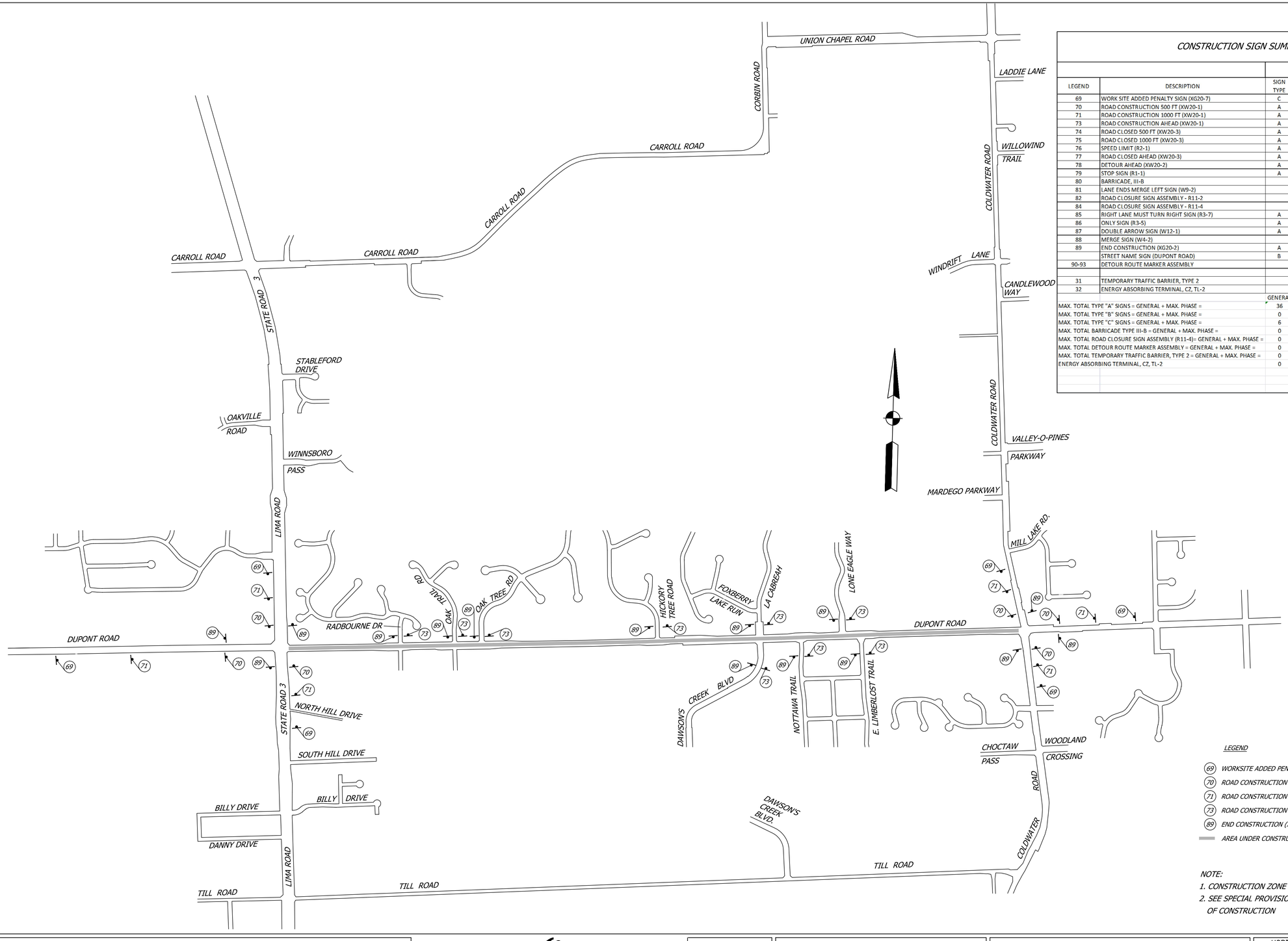
FEDERAL ROAD REGION No.
5



CONSTRUCTION SIGN SUMMARY TABLE

LEGEND	DESCRIPTION	SIGN TYPE	GENERAL	I	II	III	IV	MAX TOTAL
		QUANTITIES						
69	WORK SITE ADDED PENALTY SIGN (XG20-7)	C	6					0
70	ROAD CONSTRUCTION 500 FT (XW20-1)	A	6					0
71	ROAD CONSTRUCTION 1000 FT (XW20-1)	A	6					0
73	ROAD CONSTRUCTION AHEAD (XW20-1)	A	9					0
74	ROAD CLOSED 500 FT (XW20-3)	A		2	2			2
75	ROAD CLOSED 1000 FT (XW20-3)	A		2	2			2
76	SPEED LIMIT (R2-1)	A		3	3			3
77	ROAD CLOSED AHEAD (XW20-3)	A		5	5			5
78	DETOUR AHEAD (XW20-2)	A		6	6			6
79	STOP SIGN (R1-1)	A		6	7			7
80	BARRICADE, III-B			110	110			110
81	LANE ENDS MERGE LEFT SIGN (W9-2)			1	1			1
82	ROAD CLOSURE SIGN ASSEMBLY - R11-2			3	3			3
84	ROAD CLOSURE SIGN ASSEMBLY - R11-4			3	3			3
85	RIGHT LANE MUST TURN RIGHT SIGN (R3-7)	A		2	2	1		2
86	ONLY SIGN (R3-5)	A		3	3	1		3
87	DOUBLE ARROW SIGN (W12-1)	A		1	1	1		1
88	MERGE SIGN (W4-2)			1	1			1
89	END CONSTRUCTION (XG20-2)	A	15					0
	STREET NAME SIGN (DUPONT ROAD)	B		4	4			4
90-93	DETOUR ROUTE MARKER ASSEMBLY			30	30			30
								0
31	TEMPORARY TRAFFIC BARRIER, TYPE 2			200	200			200
32	ENERGY ABSORBING TERMINAL, CZ, TL-2			1	1			1

	GENERAL		MAX TOTAL		TOTAL	
MAX. TOTAL TYPE "A" SIGNS = GENERAL + MAX. PHASE =	36	+	32	=	68	EA
MAX. TOTAL TYPE "B" SIGNS = GENERAL + MAX. PHASE =	0	+	4	=	4	EA
MAX. TOTAL TYPE "C" SIGNS = GENERAL + MAX. PHASE =	6	+	0	=	6	EA
MAX. TOTAL BARRICADE TYPE III-B = GENERAL + MAX. PHASE =	0	+	110	=	110	LFT
MAX. TOTAL ROAD CLOSURE SIGN ASSEMBLY (R11-4)= GENERAL + MAX. PHASE =	0	+	6	=	6	EA
MAX. TOTAL DETOUR ROUTE MARKER ASSEMBLY = GENERAL + MAX. PHASE =	0	+	30	=	30	EA
MAX. TOTAL TEMPORARY TRAFFIC BARRIER, TYPE 2 = GENERAL + MAX. PHASE =	0	+	200	=	200	LFT
ENERGY ABSORBING TERMINAL, CZ, TL-2	0	+	1	=	1	EA

LEGEND

- (69) WORKSITE ADDED PENALTY SIGN (XG20-7)
- (70) ROAD CONSTRUCTION 500 FT. (XW20-1)
- (71) ROAD CONSTRUCTION 1000 FT. (XW20-1)
- (73) ROAD CONSTRUCTION AHEAD (XW20-1)
- (89) END CONSTRUCTION (XG20-2)
- AREA UNDER CONSTRUCTION

NOTE:
1. CONSTRUCTION ZONE SPEED LIMIT TO BE 35 mph.
2. SEE SPECIAL PROVISIONS FOR SEQUENCE OF CONSTRUCTION

2/11/14

gai consultants
1502 Magnavox Way
Fort Wayne, Indiana 46804
Tel: (260)969-8800 Fax: (260)969-8888
www.gaiconsultants.com

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: J.L.W. DRAWN: R.L.R

CHECKED: . CHECKED:

INDIANA DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
GENERAL CONSTRUCTION PLAN

HORIZONTAL SCALE	BRIDGE FILE
N.T.S.	
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
	8 of 183
CONTRACT	PROJECT
R-34815	0901798

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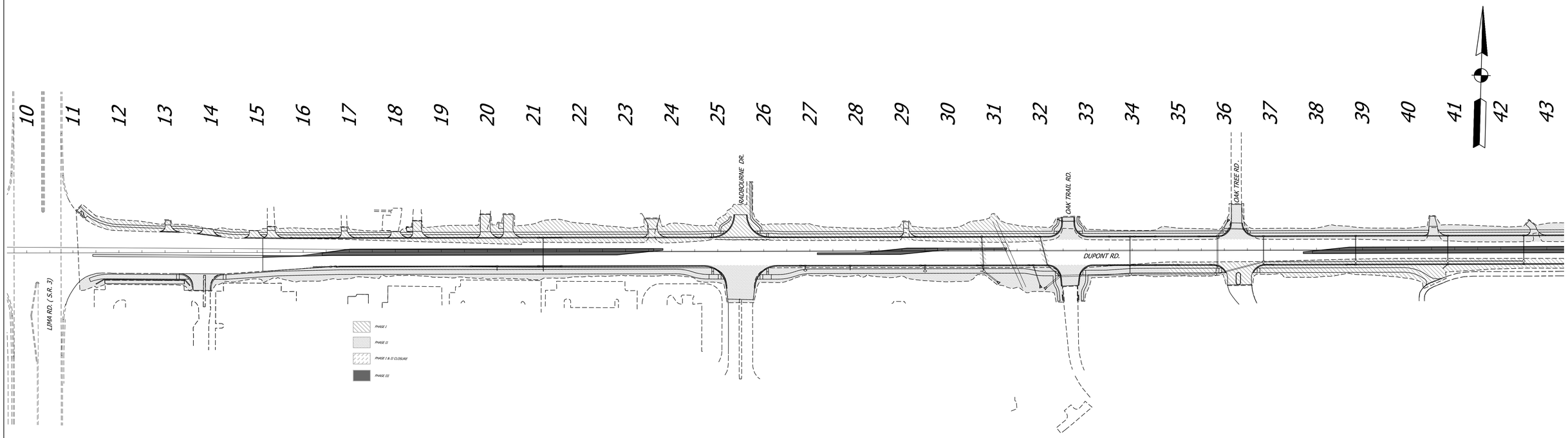
FEDERAL ROAD REGION No.
5



SEQUENCE OF CONSTRUCTION

PHASE I

- DUPONT ROAD CLOSED TO THRU TRAFFIC WITH DETOUR AS SHOWN ON SHEET_____. DUPONT ROAD CLOSED FROM STA. 55+00 TO DAWSONS CREEK BLVD. FOR OVERPASS CONSTRUCTION INCLUDING STRUCTRE _____, EMBANKMENT, AND RETAINING WALLS.

- RAHDERT DRAIN (STRUCTURE 32) REPLACEMENT WITH SINGLE LANE TRAFFIC MAINTAINED ON EXISTING EASTBOUND LANES. DRAINAGE THRU STRUCTURE SHALL BE MAINTAINED.

- STORM SEWER AND WIDENING ALONG WB DUPONT ROAD FROM RAHDERT DRAIN (STRUCTURE 32) TO S.R. 3 (LIMA ROAD) & WIDENING FROM RAHDERT DRAIN (STRUCTURE 32) TO STA. 55+00

- STORM SEWER AND WIDENING ALONG EB DUPONT ROAD FROM DAWSONS CREEK BLVD. TO COLDWATER ROAD. STORM SEWER CROSSING OF DUPONT

- ROAD MAY BE CONSTRUCTED USING FLAGER AND SINGLE LANE TWO WAY TRAFFIC CONTROL DURING DETOUR OF OVERPASS CONSTRUCTION.

PHASE II

- DUPONT ROAD CLOSED TO THRU TRAFFIC WITH DETOUR AS SHOWN ON SHEET_____.

- COMPLETION OF RAHDERT DRAIN (STRUCTURE 32) REPLACEMENT WITH TRAFFIC MAINTAINED ON NEWLY CONSTRUCTED WESTBOUND LANES. DRAINAGE THRU STRUCTURE

SHALL BE MAINTAINED.

- STORM SEWER AND WIDENING OF EASTBOUND DUPONT ROAD FROM RADBOURNE DRIVE TO STA. 55+00.

- COMPLETION OF STORM SEWER AND WIDENING ALONG WB DUPONT ROAD FROM DAWSONS CREEK BLVD TO COLDWATER ROAD. STORM SEWER CROSSING OF DUPONT

- ROAD MAY BE CONSTRUCTED USING FLAGER AND SINGLE LANE TWO WAY TRAFFIC CONTROL DURING DETOUR OF OVERPASS CONSTRUCTION.

PHASE III

- TRAFFIC SHALL BE SHIFTED TO THE WIDENED DUPONT ROAD (OUTSIDE LANES) FOR MEDIAN CONSTRUCTION.

PHASE IV

- UPON COMPLETION OF WIDENING AND OVERPASS CONSTRUCTION, MILLING OF EXISTING ASPHALT AND SURFACE COURSE ASPHALT SHALL BE PERFORMED FOLLOWED BY PERMANENT PAVEMENT MARKINGS.

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2/10/14

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1502 Magnavox Way
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RECOMMENDED
FOR APPROVAL_____
DESIGN ENGINEER DATE

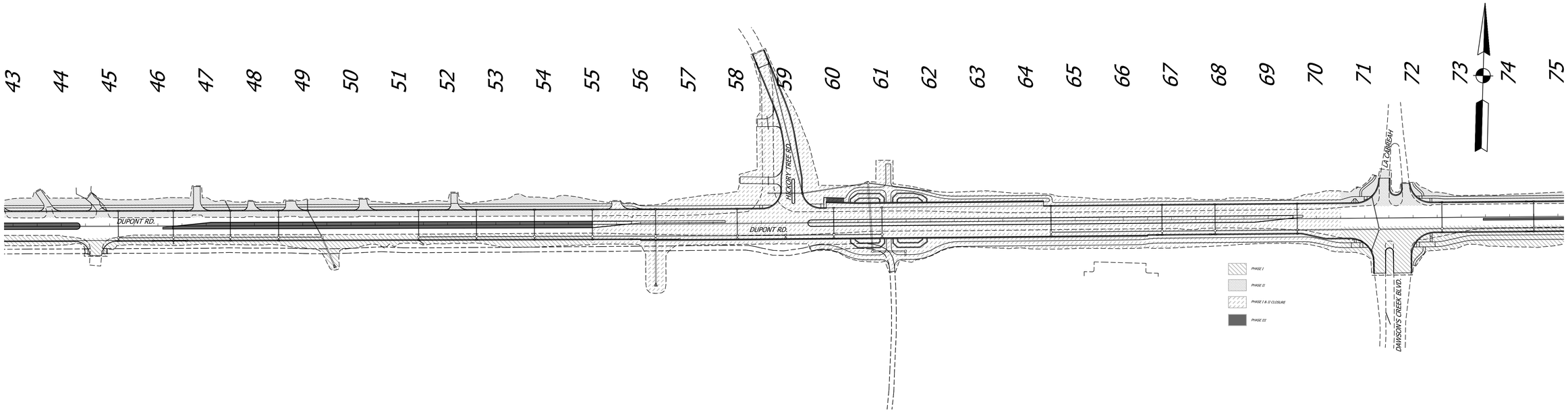
DESIGNED: J.L.W. DRAWN: R.L.R
CHECKED: . CHECKED:

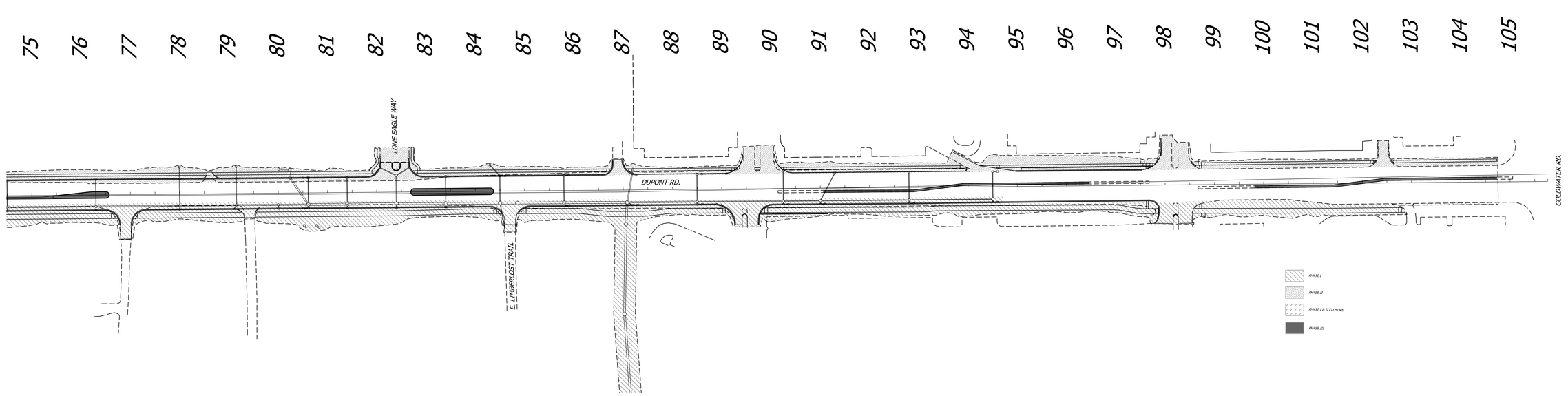
INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
CONSTRUCTION PHASING PLAN

HORIZONTAL SCALE	BRIDGE FILE
N.T.S.	
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
	9 of 183
CONTRACT	PROJECT
R-34815	0901798

FEDERAL ROAD REGION No.
5





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FOR APPROVAL_____
DESIGN ENGINEER DATE

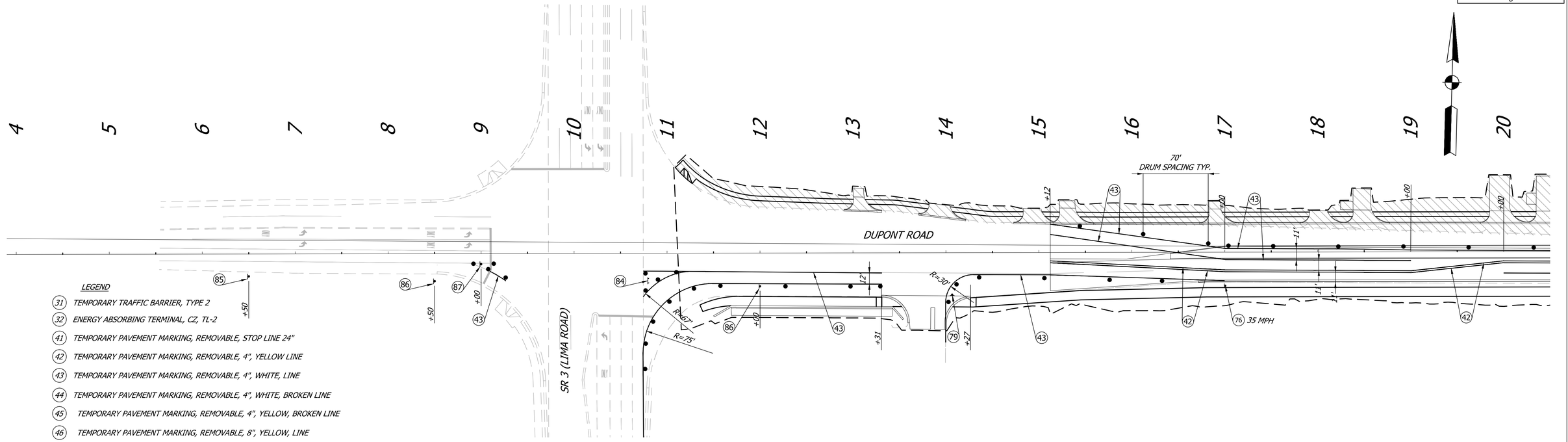
DESIGNED: J.L.W. DRAWN: R.L.R
CHECKED: . CHECKED:

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
CONSTRUCTION PHASING PLAN

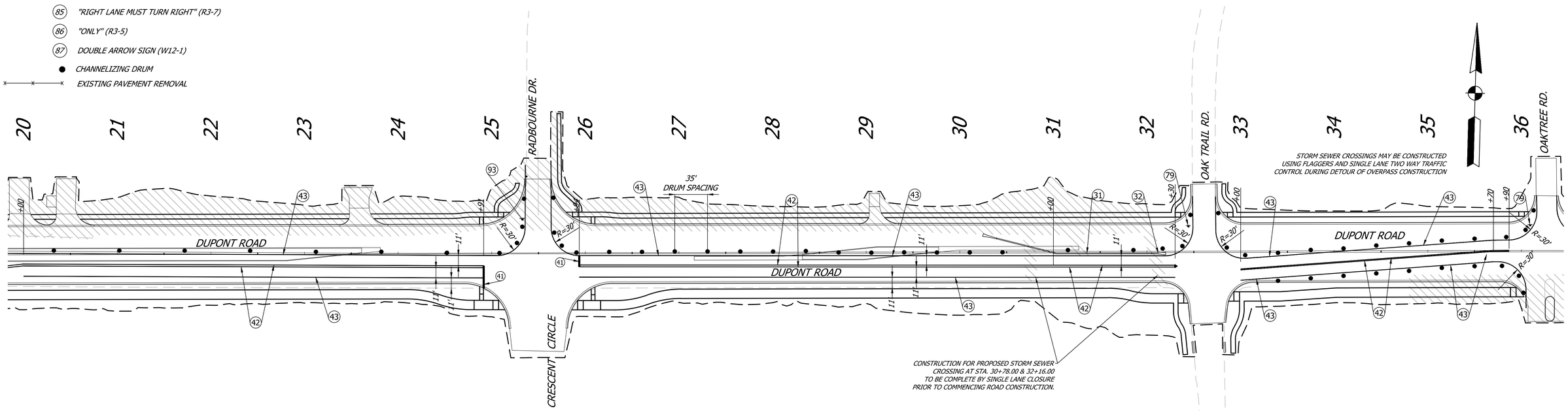
HORIZONTAL SCALE	BRIDGE FILE
N.T.S.	
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
	10 of 183
CONTRACT	PROJECT
R-34815	0901798

FEDERAL ROAD REGION No.
5



LEGEND

- (31) TEMPORARY TRAFFIC BARRIER, TYPE 2
- (32) ENERGY ABSORBING TERMINAL, CZ, TL-2
- (41) TEMPORARY PAVEMENT MARKING, REMOVABLE, STOP LINE 24"
- (42) TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", YELLOW LINE
- (43) TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", WHITE, LINE
- (44) TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", WHITE, BROKEN LINE
- (45) TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", YELLOW, BROKEN LINE
- (46) TEMPORARY PAVEMENT MARKING, REMOVABLE, 8", YELLOW, LINE
- (79) "STOP" (R1-1)
- (84) ROAD CLOSURE SIGN ASSEMBLY (R11-4)
- (85) "RIGHT LANE MUST TURN RIGHT" (R3-7)
- (86) "ONLY" (R3-5)
- (87) DOUBLE ARROW SIGN (W12-1)
- ● CHANNELIZING DRUM
- EXISTING PAVEMENT REMOVAL



2/13/14

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gai consultants
1502 Magnavox Way
Fort Wayne, Indiana 46804
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RECOMMENDED
FOR APPROVAL _____
DESIGN ENGINEER DATE

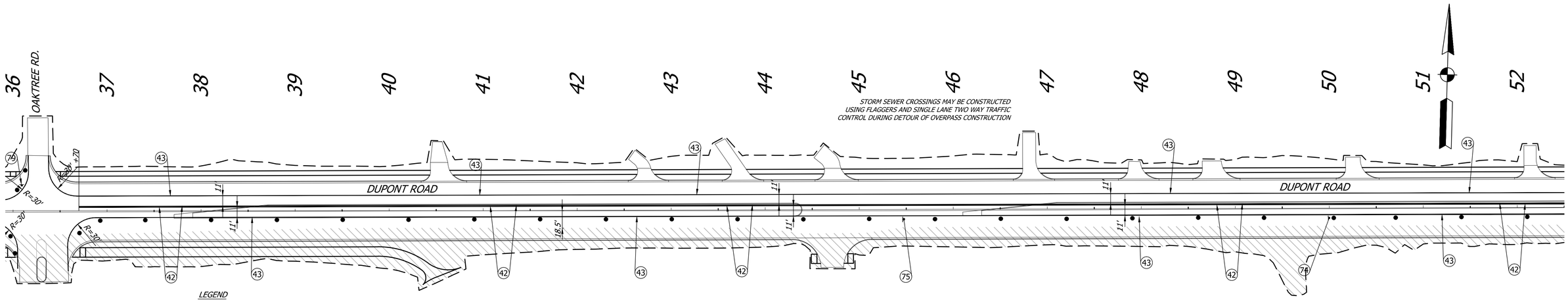
DESIGNED: J.L.W. DRAWN: R.L.R
CHECKED: . CHECKED:

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE I

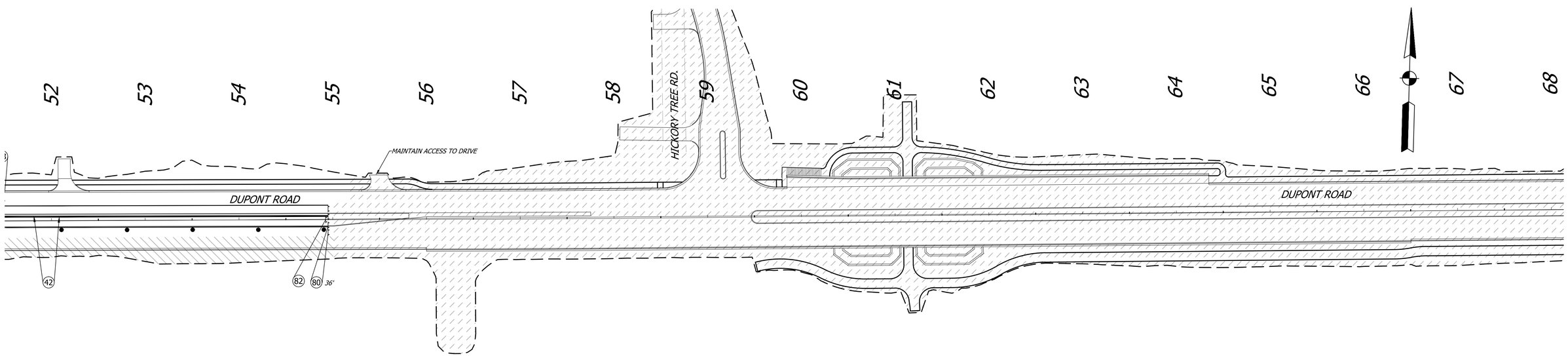
HORIZONTAL SCALE	BRIDGE FILE
N.T.S.	
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
	11 of 183
CONTRACT	PROJECT
R-34815	0901798

FEDERAL ROAD REGION No.
5



LEGEND

- 31 TEMPORARY TRAFFIC BARRIER, TYPE 2
- 32 ENERGY ABSORBING TERMINAL, CZ, TL-2
- 41 TEMPORARY PAVEMENT MARKING, REMOVABLE, STOP LINE 24"
- 42 TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", YELLOW LINE
- 43 TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", WHITE, LINE
- 44 TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", WHITE, BROKEN LINE
- 45 TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", YELLOW, BROKEN LINE
- 46 TEMPORARY PAVEMENT MARKING, REMOVABLE, 8", YELLOW, LINE
- 74 ROAD CLOSED 500 FT (XW20-3)
- 75 ROAD CLOSED 1000 FT (XW20-3)
- 80 BARRICADE, III-B
- 82 ROAD CLOSURE SIGN ASSEMBLY (R11-2)
- ● CHANNELIZING DRUM
- EXISTING PAVEMENT REMOVAL



2/11/14

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www.gaiconsultants.com

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FOR APPROVAL _____
DESIGN ENGINEER DATE

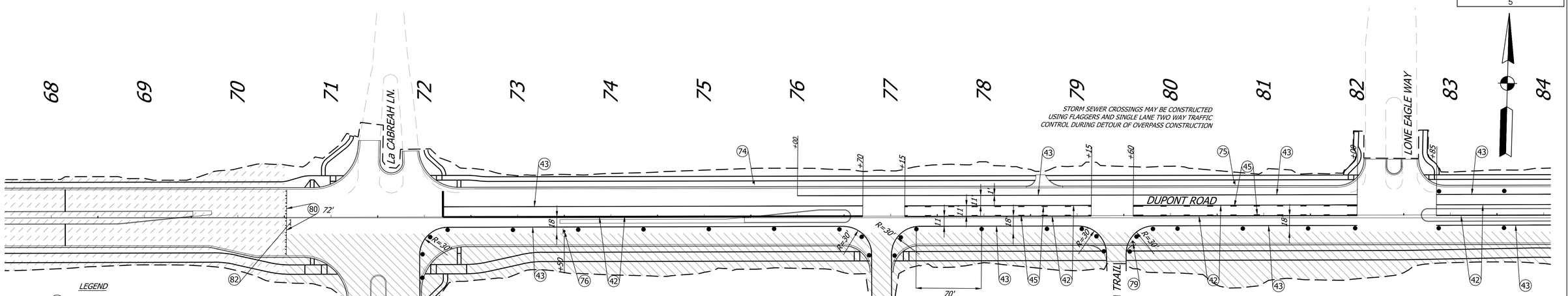
DESIGNED: J.L.W. DRAWN: R.L.R
CHECKED: . CHECKED:

INDIANA DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE I

HORIZONTAL SCALE	BRIDGE FILE
1/8" = 1'	
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
	12 of 183
CONTRACT	PROJECT
R-34815	0901798

FEDERAL ROAD REGION No.
5



LEGEND

- (31) TEMPORARY TRAFFIC BARRIER, TYPE 2
- (32) ENERGY ABSORBING TERMINAL, CZ, TL-2
- (41) TEMPORARY PAVEMENT MARKING, REMOVABLE, STOP LINE 24"
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- (43) TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", WHITE, LINE
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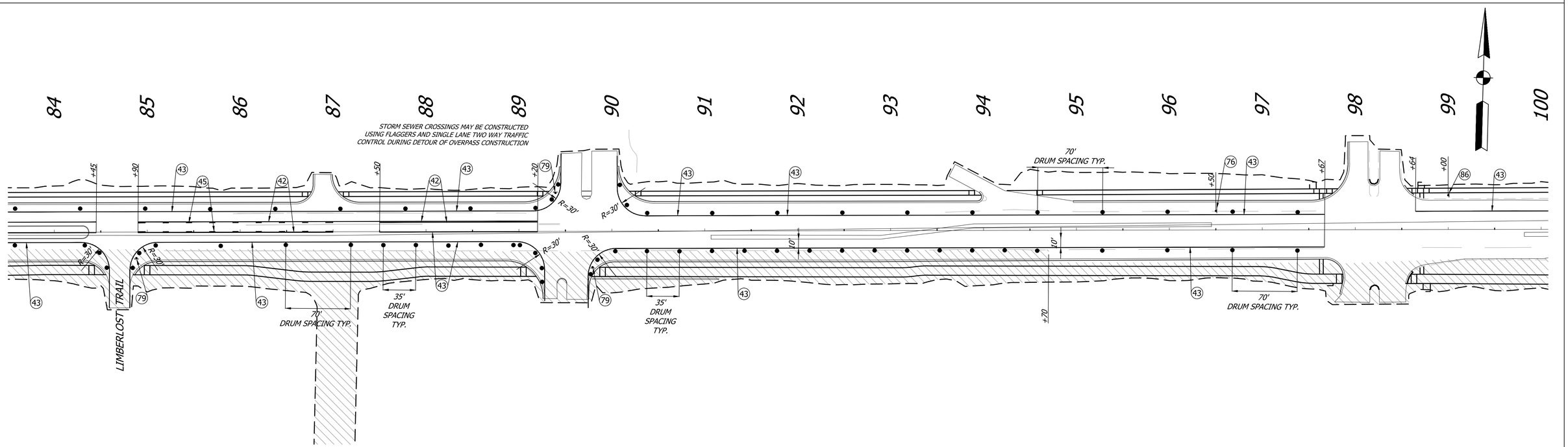
- (45) TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", YELLOW, BROKEN LINE
- (46) TEMPORARY PAVEMENT MARKING, REMOVABLE, 8", YELLOW, LINE
- (74) ROAD CLOSED 500 FT (XW20-3)
- (75) ROAD CLOSED 1000 FT (XW20-3)
- (76) SPEED LIMIT 35 MPH (R2-1)
- (79) "STOP" (R1-1)
- (80) BARRICADE, III-B
- (82) ROAD CLOSURE SIGN ASSEMBLY (R11-2)
- ● CHANNELIZING DRUM
- x——x——x EXISTING PAVEMENT REMOVAL



2/11/14

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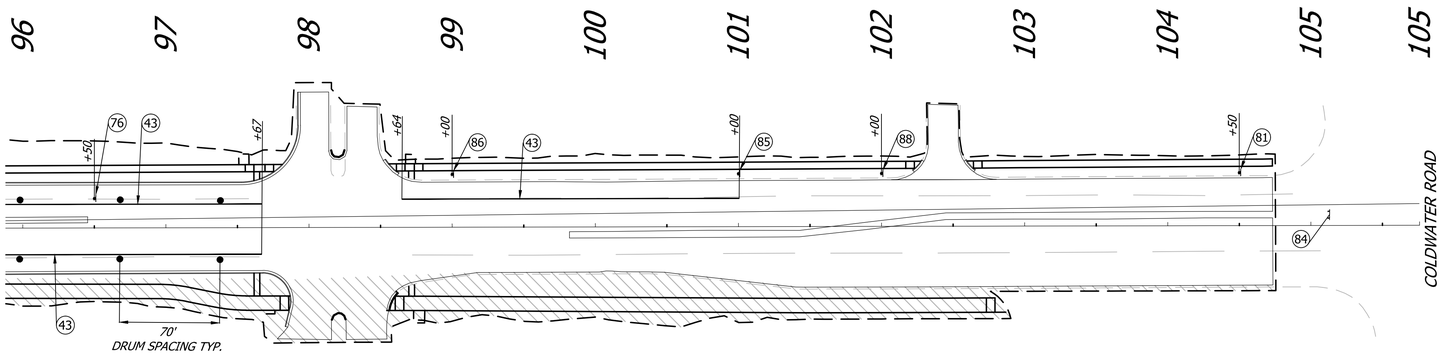
gai consultants
1502 Magnavox Way
Fort Wayne, Indiana 46804
Tel: (260)969-8800 Fax: (260)969-8888
www.gaiconsultants.com

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 50' / BRIDGE FILE
			VERTICAL SCALE N/A / DESIGNATION 0901798
DESIGNED:	DRAWN: R.L.R	MAINTENANCE OF TRAFFIC PHASE I	SURVEY BOOK / SHEETS 13 of 183
CHECKED: .	CHECKED:		CONTRACT R-34815 / PROJECT 0901798

FEDERAL ROAD REGION No.
5



LEGEND

- (31) TEMPORARY TRAFFIC BARRIER, TYPE 2
- (32) ENERGY ABSORBING TERMINAL, CZ, TL-2
- (41) TEMPORARY PAVEMENT MARKING, REMOVABLE, STOP LINE 24"
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- (46) TEMPORARY PAVEMENT MARKING, REMOVABLE, 8", YELLOW, LINE
- (76) SPEED LIMIT 35 MPH (R2-1)
- (81) "LANE ENDS MERGE LEFT" (W9-2)
- (84) ROAD CLOSURE SIGN ASSEMBLY (R11-4)
- (85) "RIGHT LANE MUST TURN RIGHT" (R3-7)
- (86) "ONLY" (R3-5)
- (88) MERGE SIGN (W4-2)
- ● CHANNELIZING DRUM
- EXISTING PAVEMENT REMOVAL

2/11/14

gai consultants
1502 Magnavox Way
Fort Wayne, Indiana 46804
Tel: (260)969-8800 Fax: (260)969-8888
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RECOMMENDED
FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: _____ DRAWN: R.L.R
CHECKED: _____ CHECKED: _____

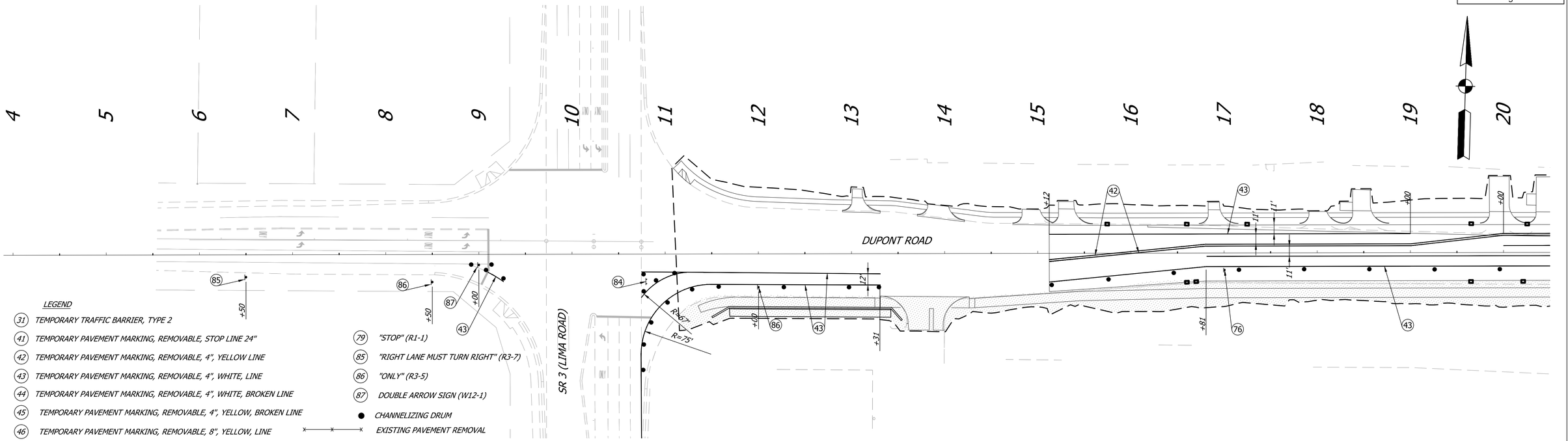
INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE I

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
	14 of 183
CONTRACT	PROJECT
R-34815	0901798

P:\FTW\2011\0101152.00 Dupont Road Fort Wayne\DWG\0101152 TC001.dwg, 2/10/14 at 5:07 PM, dsvengs, 1/4" = 1'

FEDERAL ROAD REGION No.
5



LEGEND

- (31) TEMPORARY TRAFFIC BARRIER, TYPE 2
- (41) TEMPORARY PAVEMENT MARKING, REMOVABLE, STOP LINE 24"
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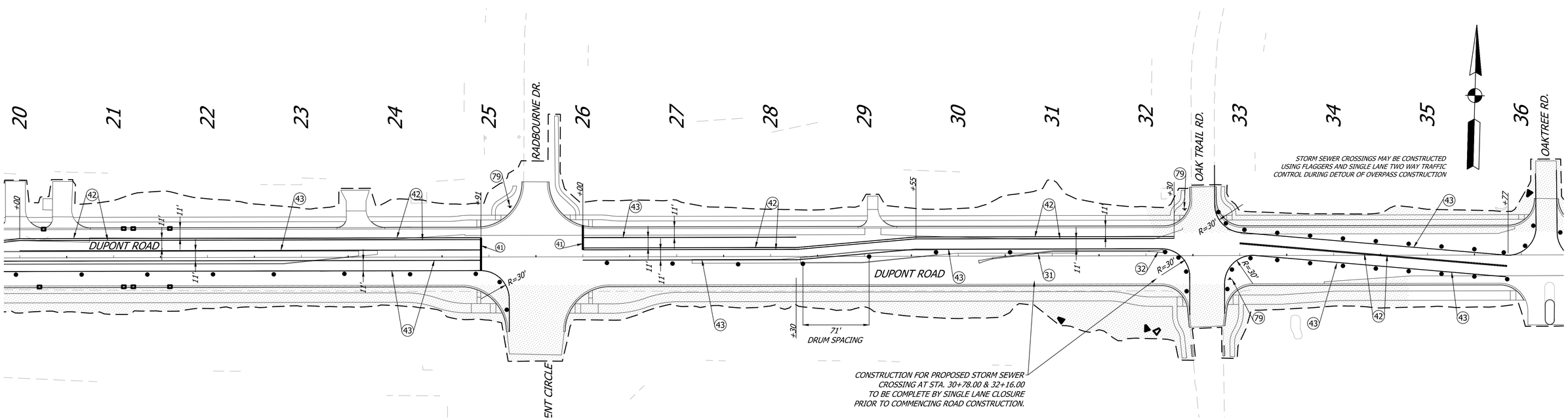
- (45) TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", YELLOW, BROKEN LINE
- (46) TEMPORARY PAVEMENT MARKING, REMOVABLE, 8", YELLOW, LINE
- (76) "SPEED LIMIT 35 MPH" (R2-1)
- (79) "STOP" (R1-1)
- (85) "RIGHT LANE MUST TURN RIGHT" (R3-7)
- (86) "ONLY" (R3-5)
- (87) DOUBLE ARROW SIGN (W12-1)
- ● CHANNELIZING DRUM
- EXISTING PAVEMENT REMOVAL



2/11/14

P:\FTW\2011\D101152.00 Dupont Road Fort Wayne\DWG\D101152 TC002.dwg, 2/10/14 at 5:24 PM, dovenps, 1/4" = 1'

gai consultants
1502 Magnavox Way
Fort Wayne, Indiana 46804
Tel: (260)969-8800 Fax: (260)969-8888
www.gaiconsultants.com

RECOMMENDED
FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: J.L.W. DRAWN: R.L.R

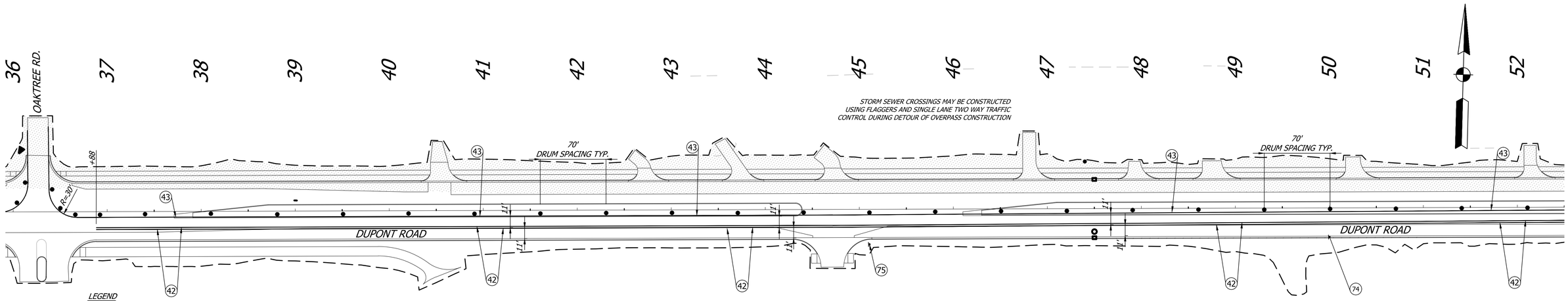
CHECKED: . CHECKED:

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE II

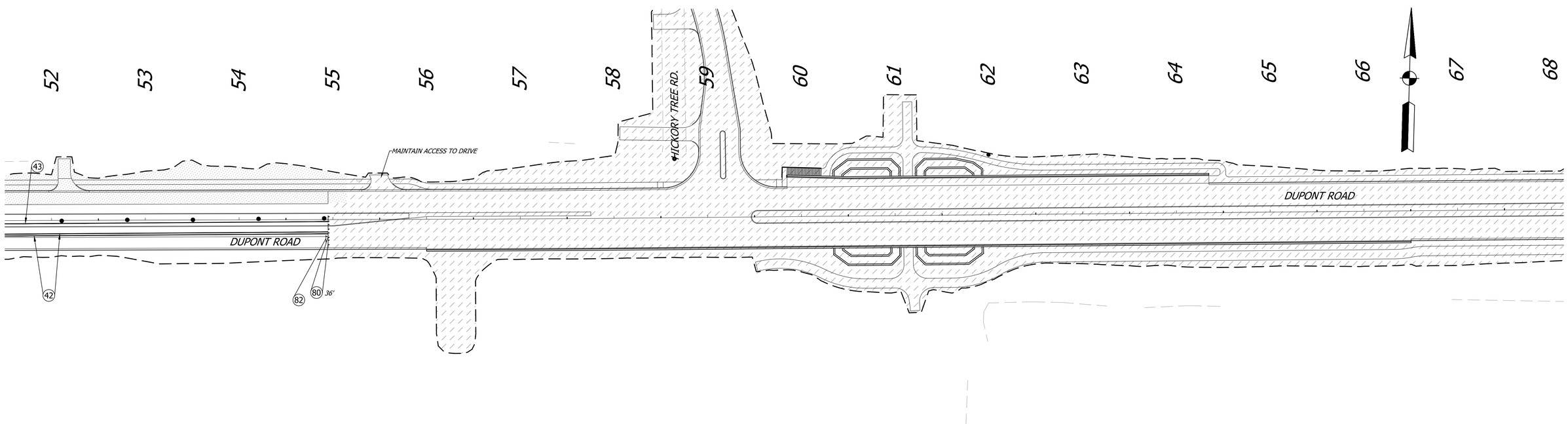
HORIZONTAL SCALE	BRIDGE FILE
N.T.S.	
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
	15 of 183
CONTRACT	PROJECT
R-34815	0901798

FEDERAL ROAD REGION No.
5



LEGEND

- (31) TEMPORARY TRAFFIC BARRIER, TYPE 2
- (41) TEMPORARY PAVEMENT MARKING, REMOVABLE, STOP LINE 24"
- (42) TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", YELLOW LINE
- (43) TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", WHITE, LINE
- (44) TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", WHITE, BROKEN LINE
- (45) TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", YELLOW, BROKEN LINE
- (46) TEMPORARY PAVEMENT MARKING, REMOVABLE, 8", YELLOW, LINE
- (74) ROAD CLOSED 500 FT (XW20-3)
- (75) ROAD CLOSED 1000 FT (XW20-3)
- (80) BARRICADE, III-B
- (82) ROAD CLOSURE SIGN ASSEMBLY (R11-2)
- ● CHANNELIZING DRUM
- EXISTING PAVEMENT REMOVAL



2/11/14

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gai consultants
1502 Magnavox Way
Fort Wayne, Indiana 46804
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RECOMMENDED
FOR APPROVAL _____
DESIGN ENGINEER DATE

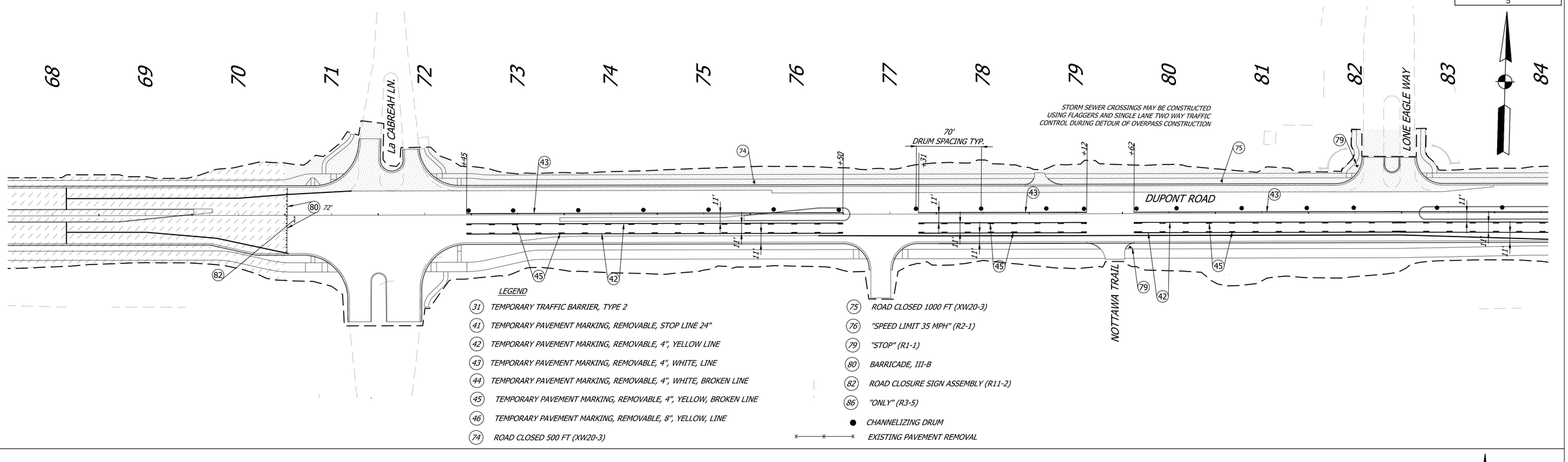
DESIGNED: J.L.W. DRAWN: R.L.R
CHECKED: . CHECKED:

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE II

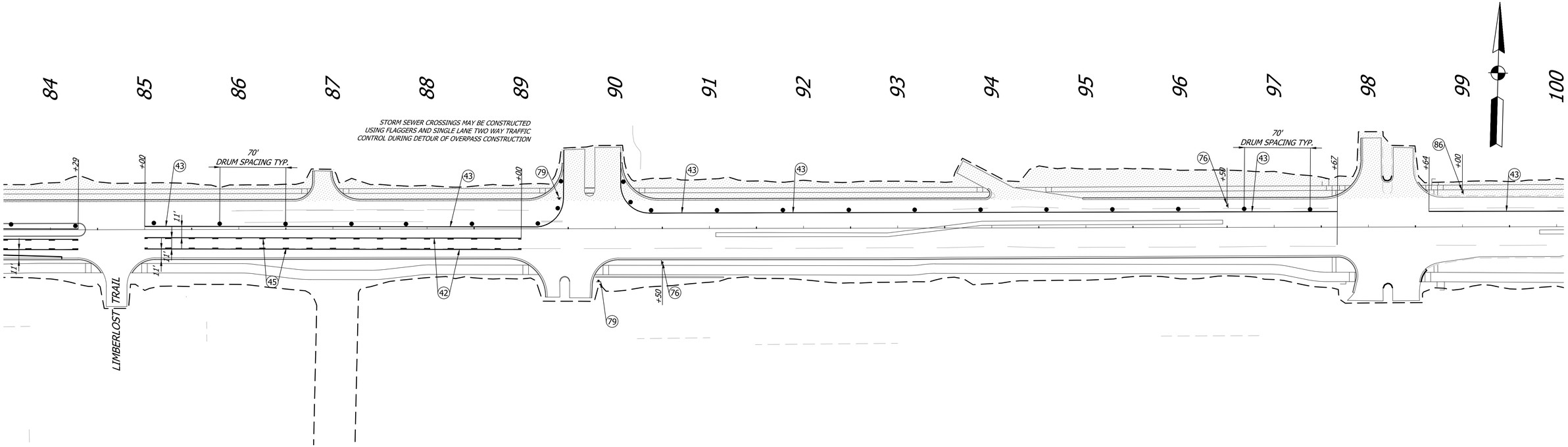
HORIZONTAL SCALE	BRIDGE FILE
1/8" = 1'	
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
	16 of 183
CONTRACT	PROJECT
R-34815	0901798

FEDERAL ROAD REGION No.
5



LEGEND

- (31) TEMPORARY TRAFFIC BARRIER, TYPE 2
- (41) TEMPORARY PAVEMENT MARKING, REMOVABLE, STOP LINE 24"
- (42) TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", YELLOW LINE
- (43) TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", WHITE, LINE
- (44) TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", WHITE, BROKEN LINE
- (45) TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", YELLOW, BROKEN LINE
- (46) TEMPORARY PAVEMENT MARKING, REMOVABLE, 8", YELLOW, LINE
- (74) ROAD CLOSED 500 FT (XW20-3)
- (75) ROAD CLOSED 1000 FT (XW20-3)
- (76) "SPEED LIMIT 35 MPH" (R2-1)
- (79) "STOP" (R1-1)
- (80) BARRICADE, III-B
- (82) ROAD CLOSURE SIGN ASSEMBLY (R11-2)
- (86) "ONLY" (R3-5)
- ● CHANNELIZING DRUM
- EXISTING PAVEMENT REMOVAL



2/11/14

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RECOMMENDED
FOR APPROVAL _____
DESIGN ENGINEER DATE

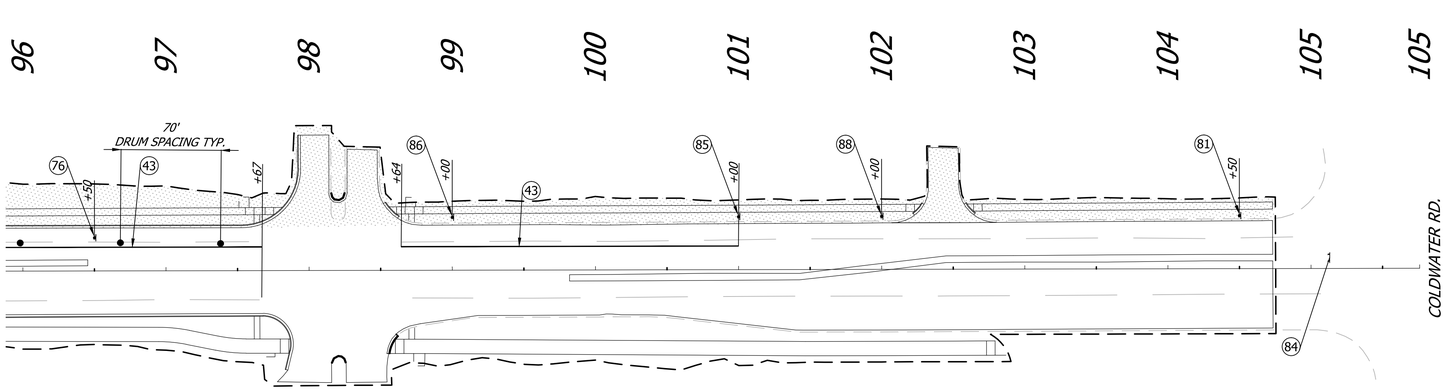
DESIGNED: _____ DRAWN: R.L.R
CHECKED: _____ CHECKED: _____

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE II

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
	17 of 183
CONTRACT	PROJECT
R-34815	0901798

FEDERAL ROAD REGION No.
5



LEGEND

- (31) TEMPORARY TRAFFIC BARRIER, TYPE 2
- (41) TEMPORARY PAVEMENT MARKING, REMOVABLE, STOP LINE 24"
- (42) TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", YELLOW LINE
- (43) TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", WHITE, LINE
- (44) TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", WHITE, BROKEN LINE
- (45) TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", YELLOW, BROKEN LINE
- (46) TEMPORARY PAVEMENT MARKING, REMOVABLE, 8", YELLOW, LINE
- (76) "SPEED LIMIT 35 MPH" (R2-1)
- (81) "LANE ENDS MERGE LEFT" (W9-2)
- (84) ROAD CLOSURE SIGN ASSEMBLY (R11-2)
- (85) "RIGHT LANE MUST TURN RIGHT" (R3-7)
- (86) "ONLY" (R3-5)
- (88) MERGE SIGN (W4-2)
- ● CHANNELIZING DRUM
- EXISTING PAVEMENT REMOVAL

2/11/14

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FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: _____ DRAWN: R.L.R
CHECKED: _____ CHECKED: _____

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASES II

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
	18 of 183
CONTRACT	PROJECT
R-34815	0901798

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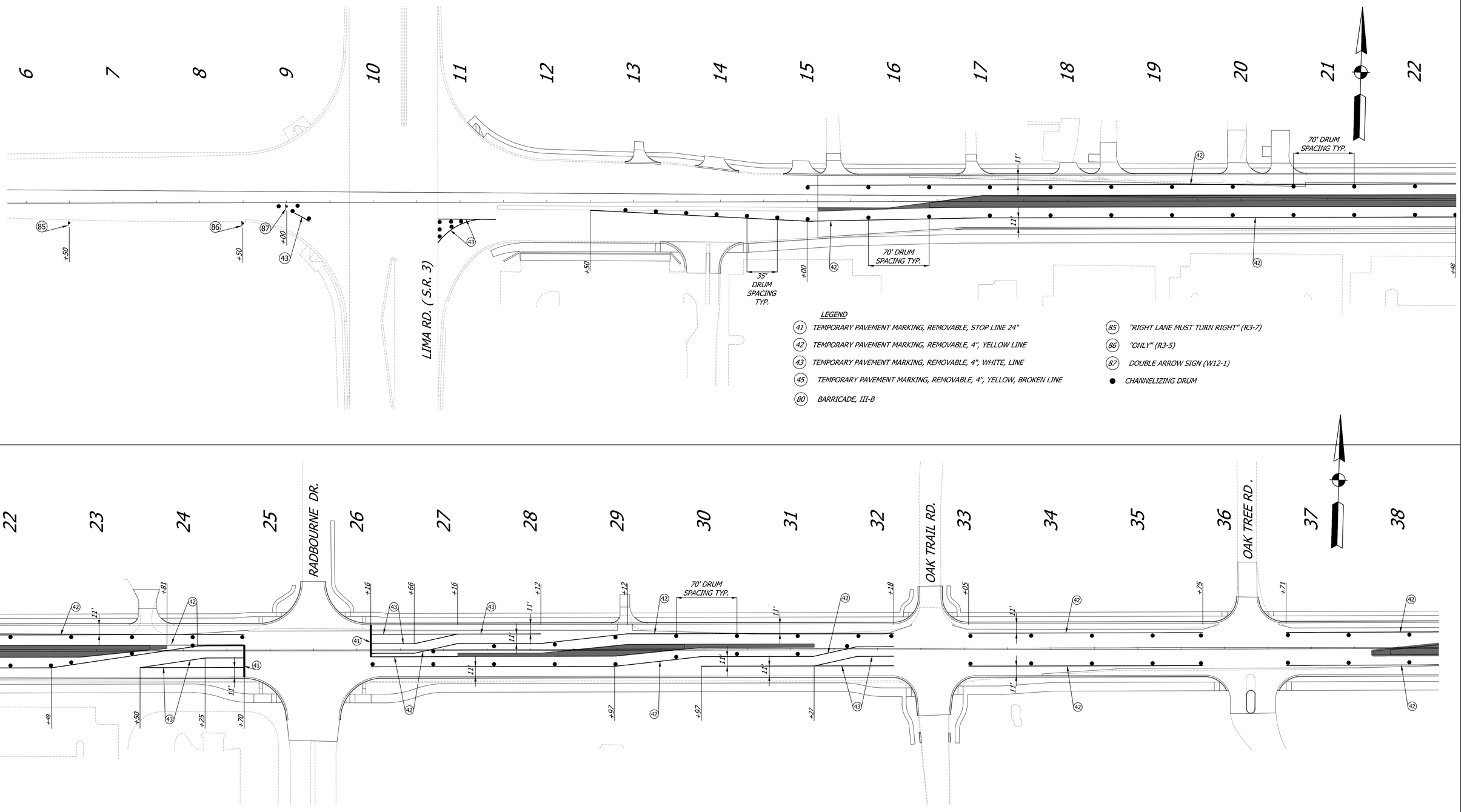
FEDERAL ROAD REGION No.
5



LEGEND

- (41) TEMPORARY PAVEMENT MARKING, REMOVABLE, STOP LINE 24"
- (42) TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", YELLOW LINE
- (43) TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", WHITE, LINE
- (45) TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", YELLOW, BROKEN LINE
- (80) BARRICADE, III-B
- (85) "RIGHT LANE MUST TURN RIGHT" (R3-7)
- (86) "ONLY" (R3-5)
- (87) DOUBLE ARROW SIGN (W12-1)
- ● CHANNELIZING DRUM

2/11/14

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DESIGN ENGINEER DATE

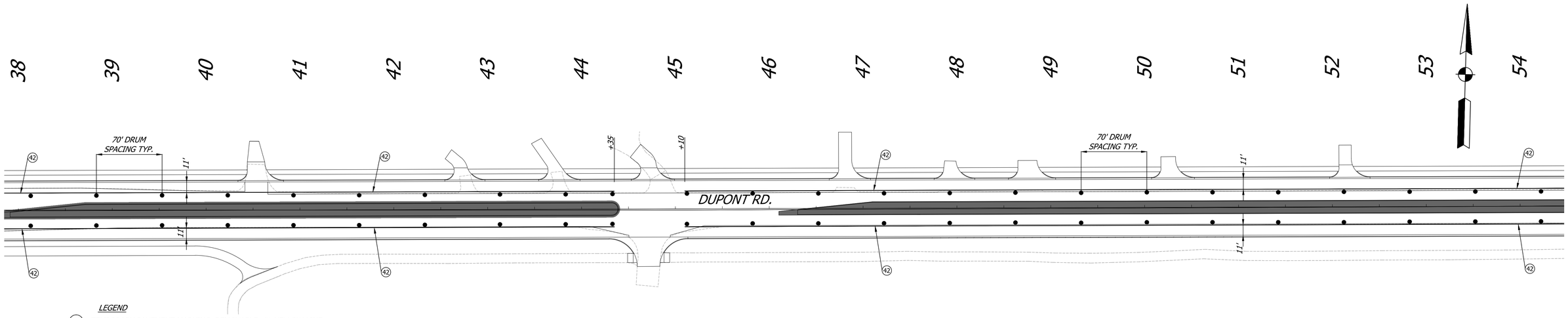
DESIGNED: J.L.W. DRAWN: R.L.R
CHECKED: . CHECKED:

INDIANA DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE III

HORIZONTAL SCALE	BRIDGE FILE
N.T.S.	
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
	19 of 183
CONTRACT	PROJECT
R-34815	0901798

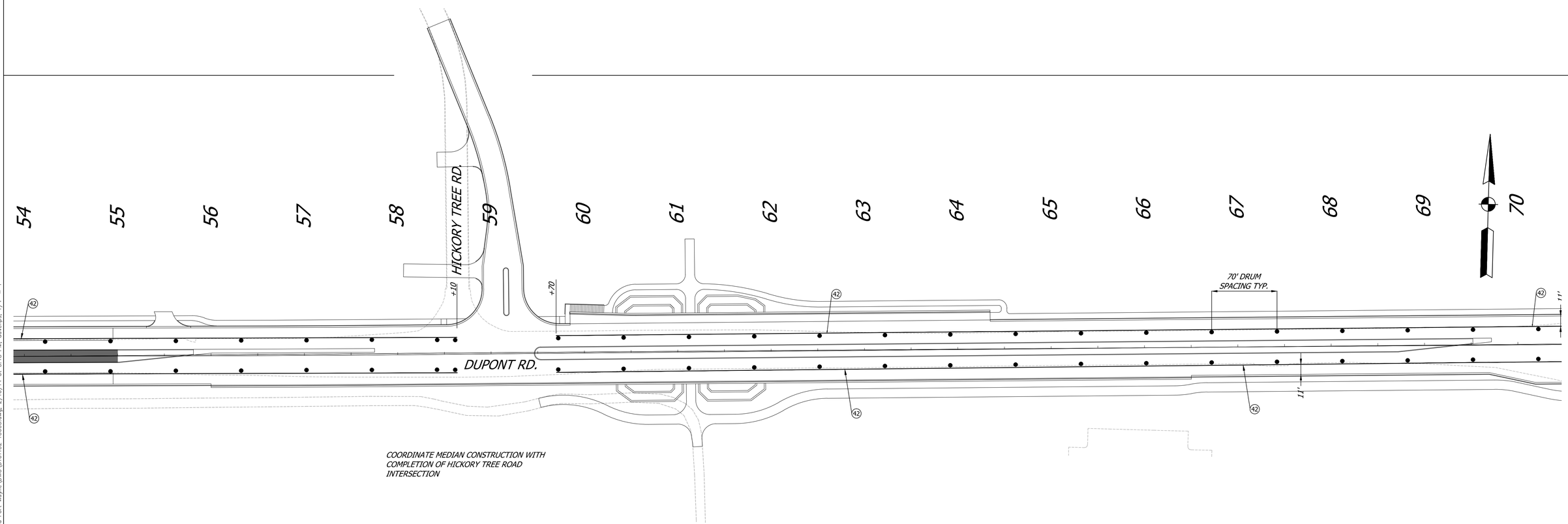
FEDERAL ROAD REGION No.
5



LEGEND

(42) TEMPORARY PAVEMENT MARKING, REMOVABLE, 4", YELLOW LINE

● CHANNELIZING DRUM



COORDINATE MEDIAN CONSTRUCTION WITH COMPLETION OF HICKORY TREE ROAD INTERSECTION

2/11/14

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DESIGN ENGINEER DATE

DESIGNED: J.L.W. DRAWN: R.L.R

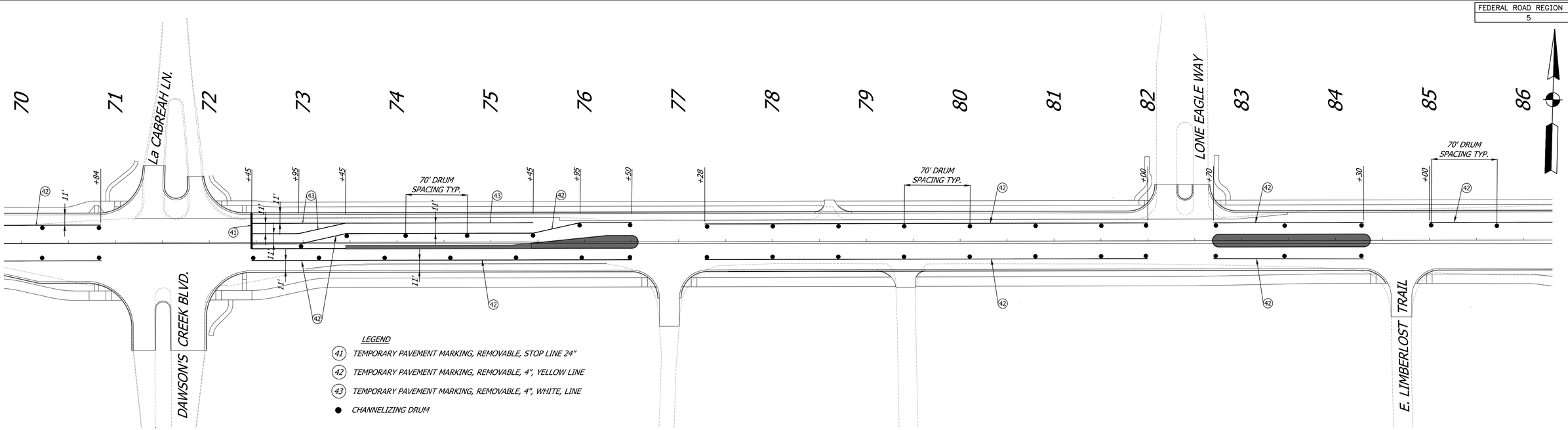
CHECKED: . CHECKED:

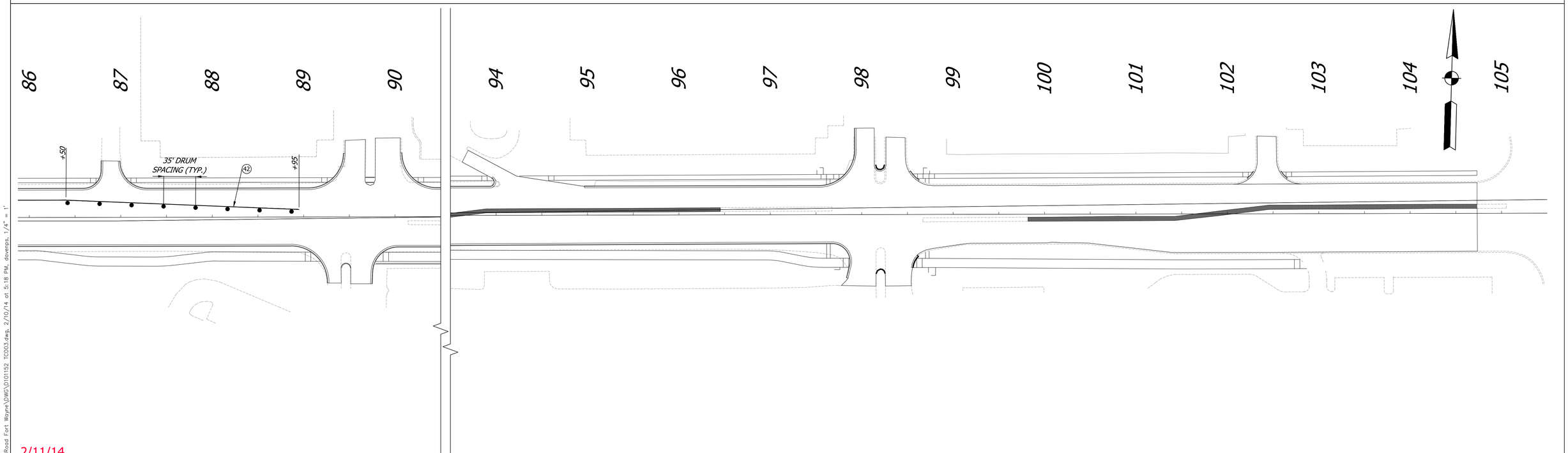
INDIANA DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE III

HORIZONTAL SCALE	BRIDGE FILE
1/8" = 1'	
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
	20 of 183
CONTRACT	PROJECT
R-34815	0901798

FEDERAL ROAD REGION No.
5





2/11/14

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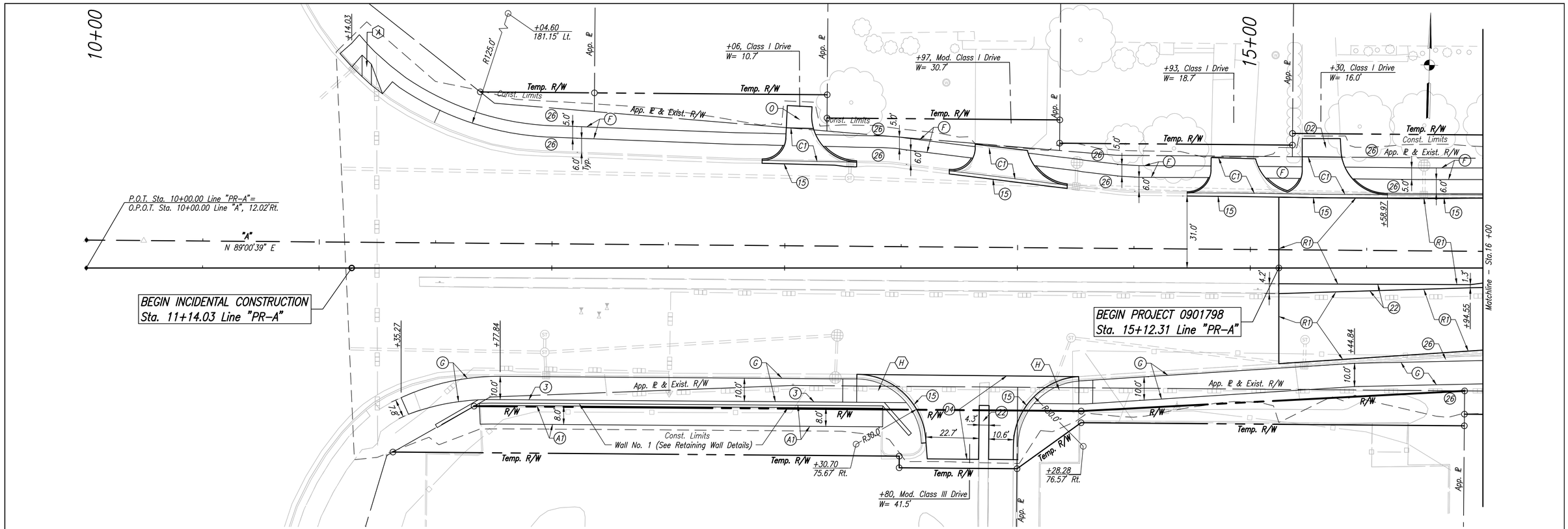
DESIGN ENGINEER DATE

DESIGNED: J.L.W. DRAWN: R.L.R
CHECKED: . CHECKED:

INDIANA DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE III

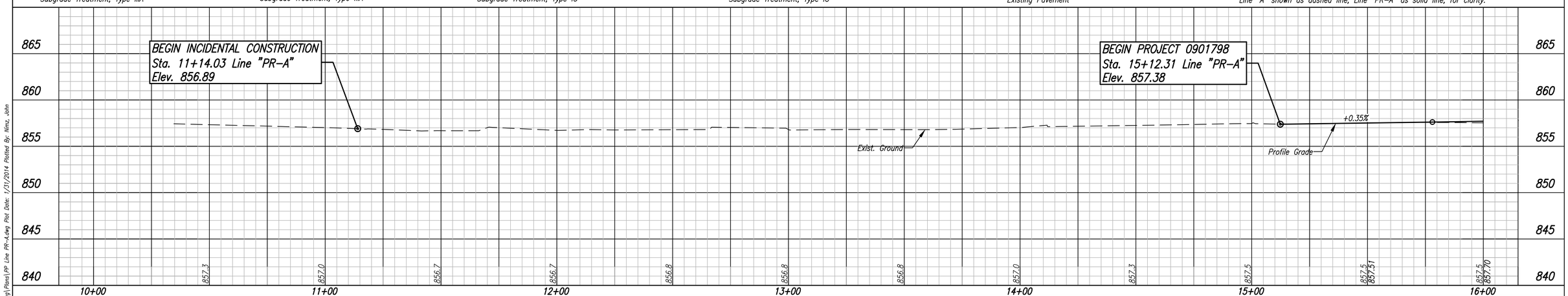
HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
	21 of 183
CONTRACT	PROJECT
R-34815	0901798



LEGEND

- (A1) Reinforced Concrete Moment Slab, 12"
- (A2) 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Intermediate, 19.0mm on Reinforced Concrete Moment Slab, 12"
- (C1) PCCP for Approaches, 6" on Subgrade Treatment, Type IIIA
- (C2) PCCP for Approaches, 9" on Subgrade Treatment, Type IIIA
- (D2) HMA For Approaches 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm on Subgrade Treatment, Type IC
- (D4) HMA For Approaches 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 385#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on Subgrade Treatment, Type IIIA
- (F) Sidewalk, Concrete, 4"
- (G) 140#/sys HMA Surface Type A on 220#/sys HMA Intermediate Type A on 6" Compacted Aggregate No. 53, Base on Subgrade Treatment, Type IIIA (6" Coarse Aggregate No. 53)
- (K) 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (2 Lifts) on Subgrade Treatment, Type IC
- (K1) 165 #/sys QC/QA-HMA, 1, 70, Surface, 9.5mm on 275 #/sys QC/QA-HMA 1, 70, Intermediate, 19.0mm on 6" Compacted Aggregate No. 53 Base (in 2 Lifts) on Subgrade Treatment, Type IC
- (O) 6" Compacted Aggregate, No. 73
- (P) Full Depth HMA Patching 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (in 2 Lifts) on Subgrade Treatment, Type IC
- (R) Milling, Asphalt 1.5" then 165#/sys QC/QA-HMA, 3, 70, Surface 9.5mm on Existing Pavement
- (R1) Mill and Variable Depth Resurface 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (2 Lifts) on Subgrade Treatment, Type IC
- (R2) Approach Milling, Asphalt 1.5" then 165#/sys QC/QA-HMA, 3, 70, Surface 9.5mm on Existing Pavement
- HMA For Structure Installation
- (3) Concrete Railing, Type PF-1
- (4) Modified Concrete Railing, Type PF-1
- (13) Curb, Concrete
- (15) Combined Concrete Curb and Gutter
- (22) Concrete Center Curb, Type D
- (26) Nursery Sodding
- Concrete Curb Ramp, Type _

Note: Refer to Drainage Construction Detail Sheets for Topography Station Offset Callouts, Right-of-Way Information, and Drainage Details. Line "PR-A" to be constructed. Line "A" shown as dashed line, Line "PR-A" as solid line, for clarity.



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1625 N. Post Road
Indianapolis, IN 46219
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Fax 317-895-2596
www.ucindy.com

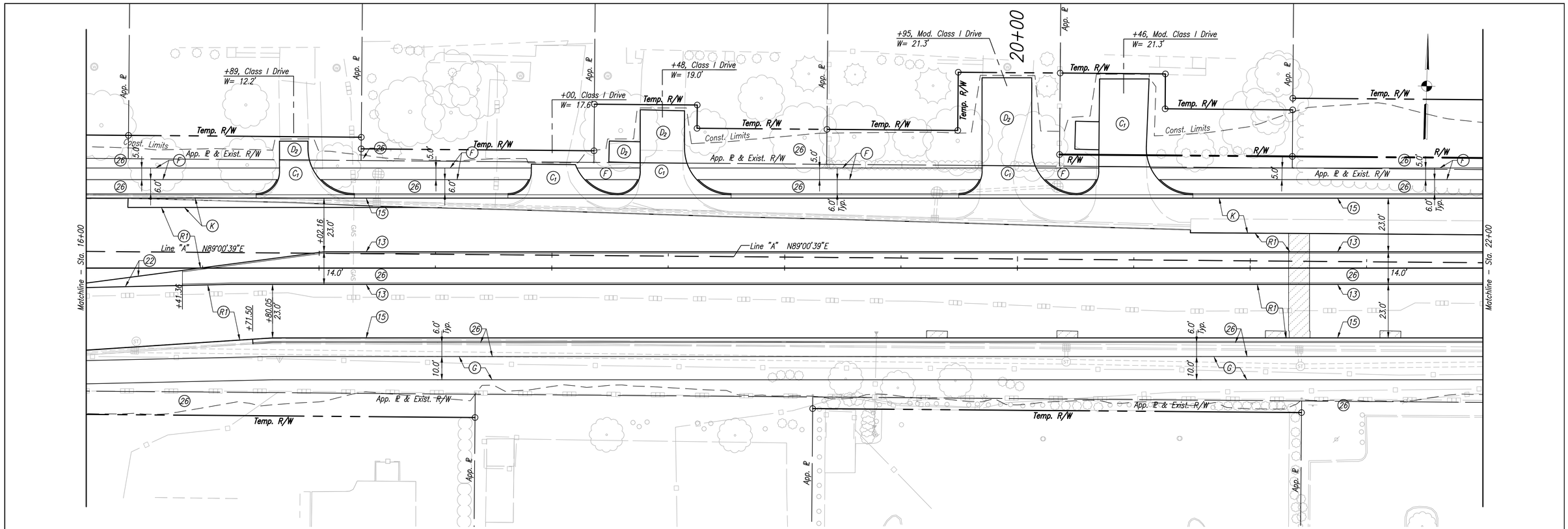
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER DATE
DESIGNED: WDN	DRAWN: MAC
CHECKED: JAR	CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE PR-A

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
.	22 of 183
CONTRACT	PROJECT
.	.

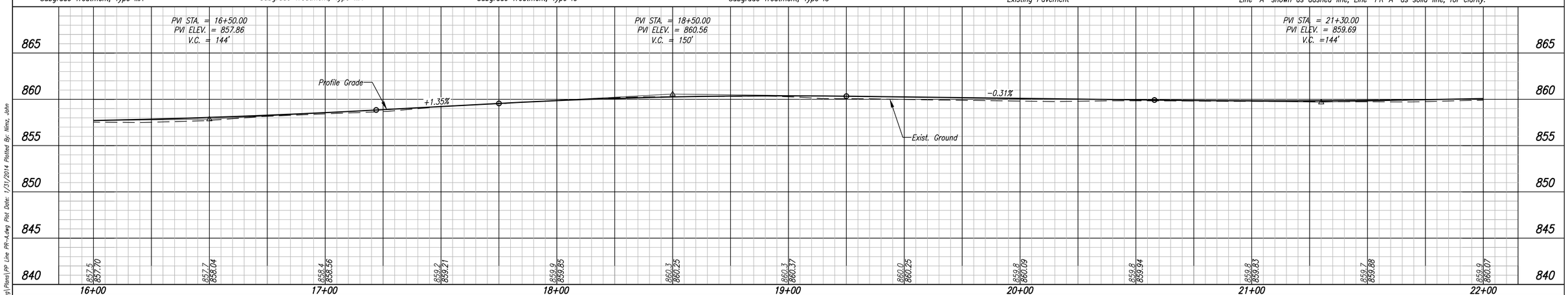
File Name: P:\C20\11-401\Road\Dwg\Plans\PR Line PR-A.dwg Plot Date: 1/31/2014 Plotted By: Nimz, John



LEGEND

- (A1) Reinforced Concrete Moment Slab, 12"
- (A2) 165#/sys QC/QA–HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA–HMA, 3, 70, Intermediate, 19.0mm on Reinforced Concrete Moment Slab, 12"
- (C_1) PCCP for Approaches, 6" on Subgrade Treatment, Type IIIA
- (C_2) PCCP for Approaches, 9" on Subgrade Treatment, Type IIIA
- (D_2) HMA For Approaches 165#/sys QC/QA–HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA–HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA–HMA, 3, 64, Base, 19.0mm on Subgrade Treatment, Type IC
- (D_4) HMA For Approaches 165#/sys QC/QA–HMA, 3, 70, Surface, 9.5mm on 385#/sys QC/QA–HMA, 3, 70, Inter, 19.0mm on Subgrade Treatment, Type IIIA
- (F) Sidewalk, Concrete, 4"
- (G) 140#/sys HMA Surface Type A on 220#/sys HMA Intermediate Type A on 6" Compacted Aggregate No. 53, Base on Subgrade Treatment, Type IIIA (6" Coarse Aggregate No. 53)
- (K) 165#/sys QC/QA–HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA–HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA–HMA, 3, 64, Base, 19.0mm (2 Lifts) on Subgrade Treatment, Type IC
- (K_1) 165 #/sys QC/QA–HMA, 1, 70, Surface, 9.5mm on 275 #/sys QC/QA–HMA 1, 70, Intermediate, 19.0mm on 6" Compacted Aggregate No. 53 Base (in 2 Lifts) on Subgrade Treatment, Type IC
- (O) 6" Compacted Aggregate, No. 73
- (P) Full Depth HMA Patching 165#/sys QC/QA–HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA–HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA–HMA, 3, 64, Base, 19.0mm (in 2 Lifts) on Subgrade Treatment, Type IC
- (R) Milling, Asphalt 1.5" then 165#/sys QC/QA–HMA, 3, 70, Surface 9.5mm on Existing Pavement
- (R1) Mill and Variable Depth Resurface 165#/sys QC/QA–HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA–HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA–HMA, 3, 64, Base, 19.0mm (2 Lifts) on Subgrade Treatment, Type IC
- (R2) Approach Milling, Asphalt 1.5" then 165#/sys QC/QA–HMA, 3, 70, Surface 9.5mm on Existing Pavement
- HMA For Structure Installation
- (3) Concrete Railing, Type PF–1
- (4) Modified Concrete Railing, Type PF–1
- (13) Curb, Concrete
- (15) Combined Concrete Curb and Gutter
- (22) Concrete Center Curb, Type D
- (26) Nursery Sodding
- Concrete Curb Ramp, Type _

Note: Refer to Drainage Construction Detail Sheets for Topography Station Offset Callouts, Right–of–Way Information, and Drainage Details. Line "PR–A" to be constructed. Line "A" shown as dashed line, Line "PR–A" as solid line, for clarity.



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Indianapolis, IN 46219
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Fax 317-895-2596
www.ucindy.com

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

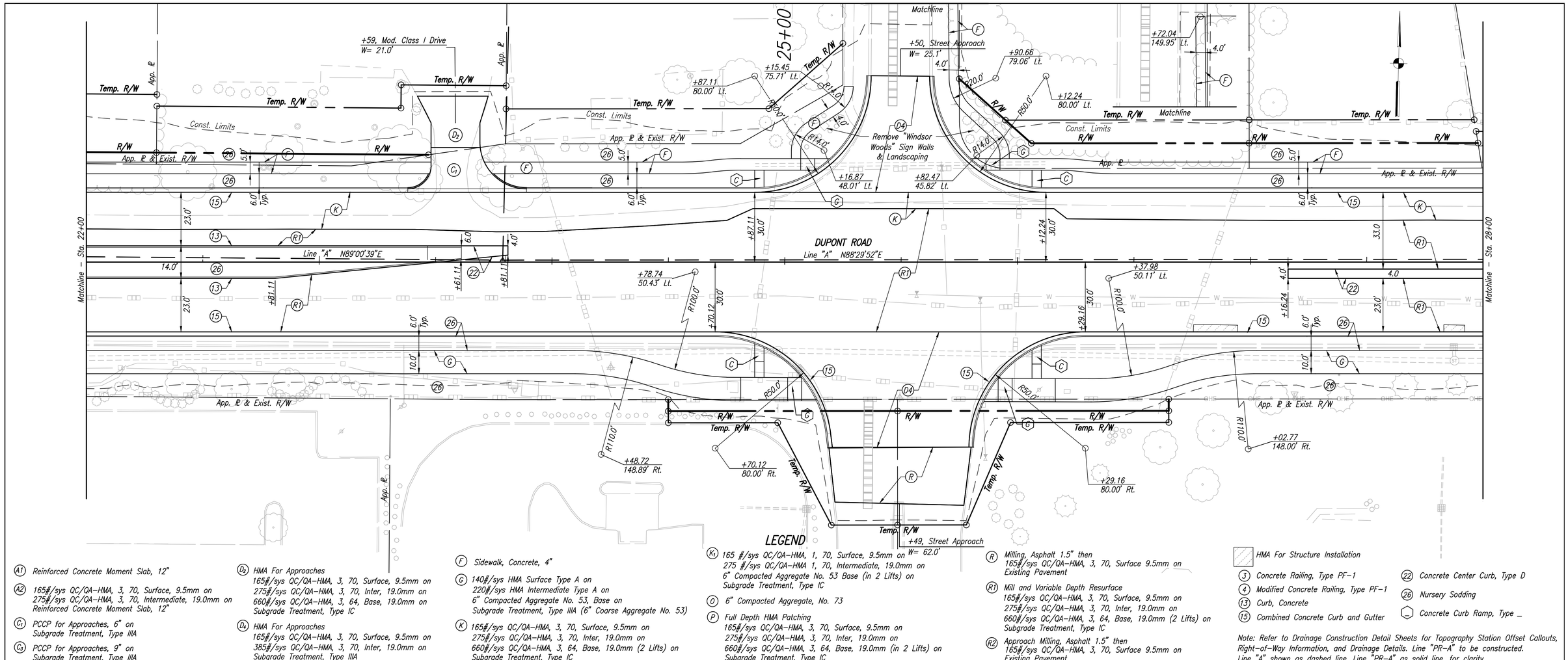
DESIGNED: WDN | DRAWN: MAC
CHECKED: JAR | CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE PR–A

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
.	23 of 183
CONTRACT	PROJECT
.	.

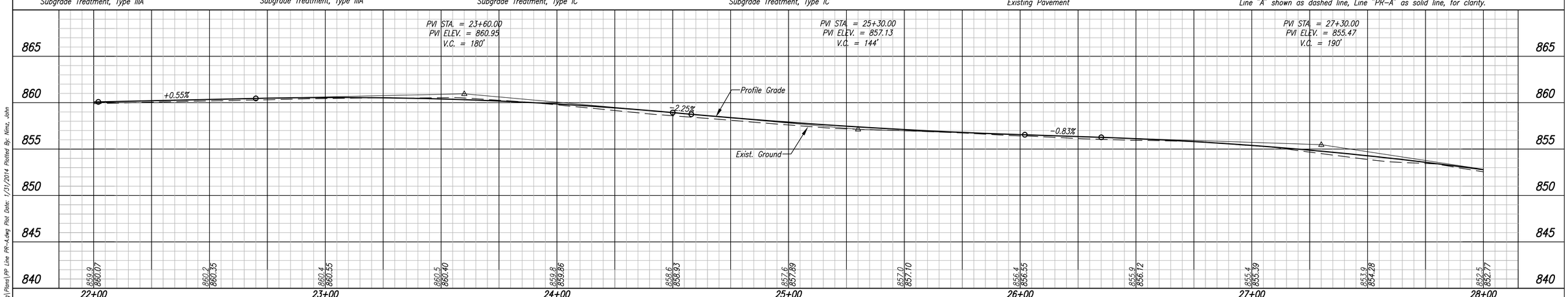
File Name: P:\C20\11-401\Road\Dwg\Plans\PR Line PR-A.dwg Plot Date: 1/31/2014 Plotted By: Nimz, John



LEGEND

- (A1) Reinforced Concrete Moment Slab, 12"
- (A2) 165#/sys QC/QA–HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA–HMA, 3, 70, Intermediate, 19.0mm on Reinforced Concrete Moment Slab, 12"
- (C_1) PCCP for Approaches, 6" on Subgrade Treatment, Type IIIA
- (C_2) PCCP for Approaches, 9" on Subgrade Treatment, Type IIIA
- (D_2) HMA For Approaches 165#/sys QC/QA–HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA–HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA–HMA, 3, 64, Base, 19.0mm on Subgrade Treatment, Type IC
- (D_4) HMA For Approaches 165#/sys QC/QA–HMA, 3, 70, Surface, 9.5mm on 385#/sys QC/QA–HMA, 3, 70, Inter, 19.0mm on Subgrade Treatment, Type IIIA
- (F) Sidewalk, Concrete, 4"
- (G) 140#/sys HMA Surface Type A on 220#/sys HMA Intermediate Type A on 6" Compacted Aggregate No. 53, Base on Subgrade Treatment, Type IIIA (6" Coarse Aggregate No. 53)
- (K) 165#/sys QC/QA–HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA–HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA–HMA, 3, 64, Base, 19.0mm (2 Lifts) on Subgrade Treatment, Type IC
- (K_1) 165 #/sys QC/QA–HMA, 1, 70, Surface, 9.5mm on 275 #/sys QC/QA–HMA 1, 70, Intermediate, 19.0mm on 6" Compacted Aggregate No. 53 Base (in 2 Lifts) on Subgrade Treatment, Type IC
- (O) 6" Compacted Aggregate, No. 73
- (P) Full Depth HMA Patching 165#/sys QC/QA–HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA–HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA–HMA, 3, 64, Base, 19.0mm (in 2 Lifts) on Subgrade Treatment, Type IC
- (R) Milling, Asphalt 1.5" then 165#/sys QC/QA–HMA, 3, 70, Surface 9.5mm on Existing Pavement
- (R1) Mill and Variable Depth Resurface 165#/sys QC/QA–HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA–HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA–HMA, 3, 64, Base, 19.0mm (2 Lifts) on Subgrade Treatment, Type IC
- (R2) Approach Milling, Asphalt 1.5" then 165#/sys QC/QA–HMA, 3, 70, Surface 9.5mm on Existing Pavement
- HMA For Structure Installation
- (3) Concrete Railing, Type PF–1
- (4) Modified Concrete Railing, Type PF–1
- (13) Curb, Concrete
- (15) Combined Concrete Curb and Gutter
- (22) Concrete Center Curb, Type D
- (26) Nursery Sodding
- Concrete Curb Ramp, Type _

Note: Refer to Drainage Construction Detail Sheets for Topography Station Offset Callouts, Right–of–Way Information, and Drainage Details. Line "PR–A" to be constructed. Line "A" shown as dashed line, Line "PR–A" as solid line, for clarity.



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CHECKED: JAR	CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE PR–A

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
.	24 of 183
CONTRACT	PROJECT
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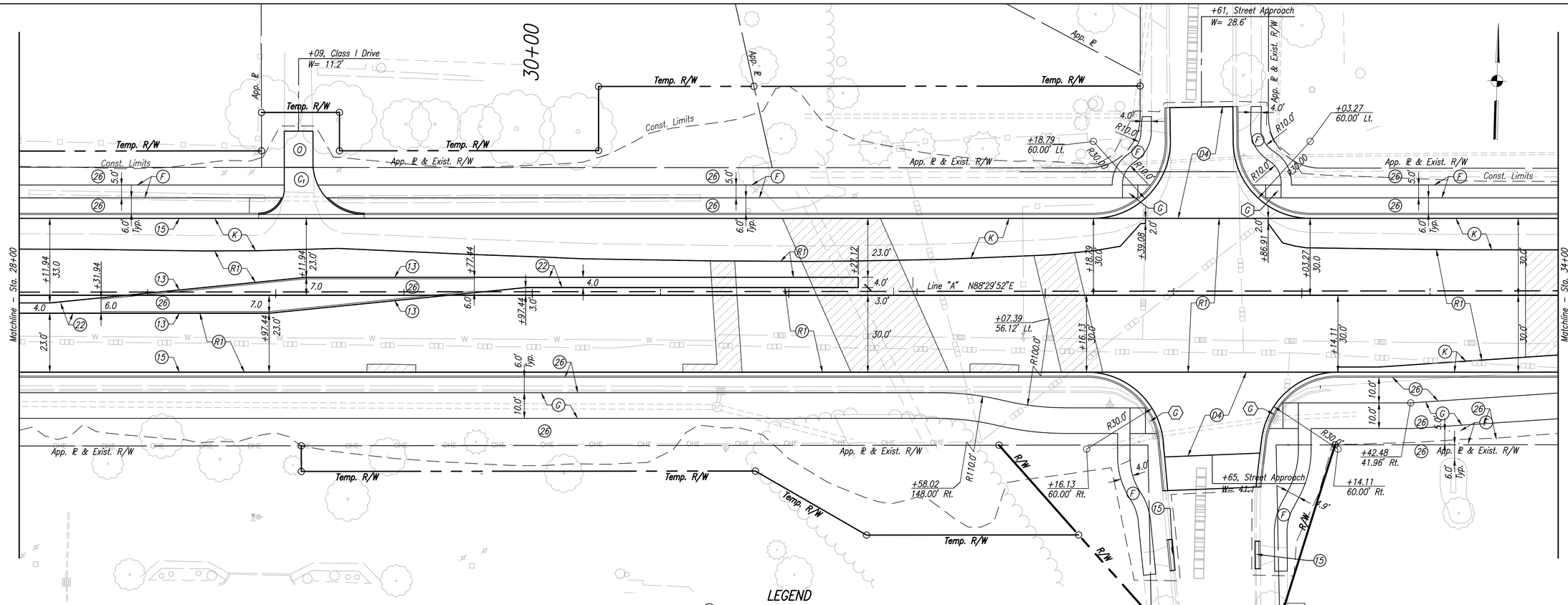
File Name: P:\C20\11-401\Road\Dwg\Plans\PP Line PR-A.dwg Plot Date: 1/31/2014 Plotted By: Nimz, John



LEGEND

- (A1) Reinforced Concrete Moment Slab, 12"
- (A2) 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Intermediate, 19.0mm on Reinforced Concrete Moment Slab, 12"
- (C1) PCCP for Approaches, 6" on Subgrade Treatment, Type IIIA
- (C2) PCCP for Approaches, 9" on Subgrade Treatment, Type IIIA
- (D2) HMA For Approaches 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm on Subgrade Treatment, Type IC
- (D4) HMA For Approaches 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 385#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on Subgrade Treatment, Type IIIA
- (F) Sidewalk, Concrete, 4"
- (G) 140#/sys HMA Surface Type A on 220#/sys HMA Intermediate Type A on 6" Compacted Aggregate No. 53, Base on Subgrade Treatment, Type IIIA (6" Coarse Aggregate No. 53)
- (K) 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (2 Lifts) on Subgrade Treatment, Type IC
- (K1) 165 #/sys QC/QA-HMA, 1, 70, Surface, 9.5mm on 275 #/sys QC/QA-HMA 1, 70, Intermediate, 19.0mm on 6" Compacted Aggregate No. 53 Base (in 2 Lifts) on Subgrade Treatment, Type IC
- (O) 6" Compacted Aggregate, No. 73
- (P) Full Depth HMA Patching 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (in 2 Lifts) on Subgrade Treatment, Type IC
- (R) Milling, Asphalt 1.5" then 165#/sys QC/QA-HMA, 3, 70, Surface 9.5mm on Existing Pavement
- (R1) Mill and Variable Depth Resurface 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (2 Lifts) on Subgrade Treatment, Type IC
- (R2) Approach Milling, Asphalt 1.5" then 165#/sys QC/QA-HMA, 3, 70, Surface 9.5mm on Existing Pavement
- HMA For Structure Installation
- (3) Concrete Railing, Type PF-1
- (4) Modified Concrete Railing, Type PF-1
- (13) Curb, Concrete
- (15) Combined Concrete Curb and Gutter
- (22) Concrete Center Curb, Type D
- (26) Nursery Sodding
- Concrete Curb Ramp, Type _

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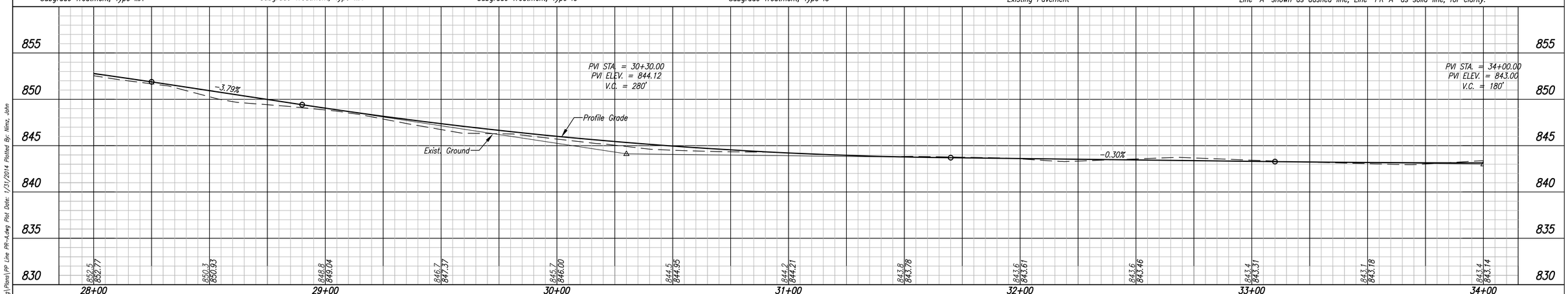

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PLAN & PROFILE LINE PR-A

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
.	25 of 183
CONTRACT	PROJECT
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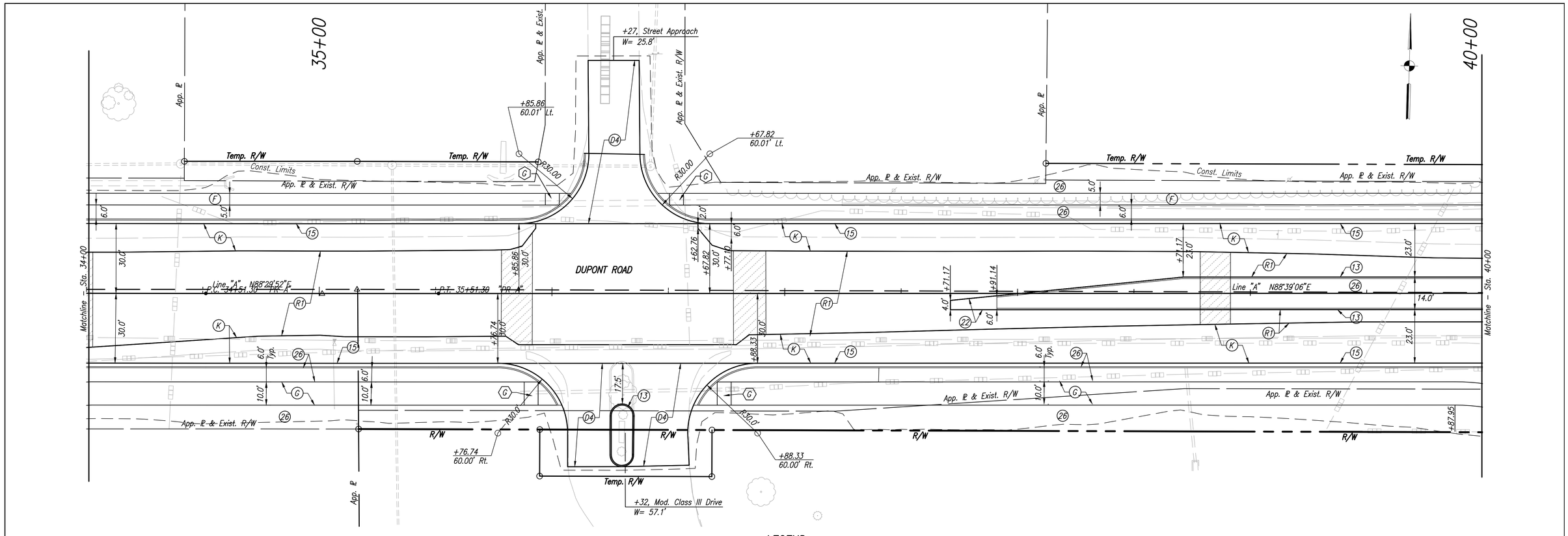
File Name: P:\C30\11-401\Road\Dwg\Plans\PR Line PR-A.dwg Plot Date: 1/31/2014 Plotted By: Wenz, John



LEGEND

- (A1) Reinforced Concrete Moment Slab, 12"
- (A2) 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Intermediate, 19.0mm on Reinforced Concrete Moment Slab, 12"
- (C1) PCCP for Approaches, 6" on Subgrade Treatment, Type IIIA
- (C2) PCCP for Approaches, 9" on Subgrade Treatment, Type IIIA
- (D2) HMA For Approaches 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm on Subgrade Treatment, Type IC
- (D4) HMA For Approaches 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 385#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on Subgrade Treatment, Type IIIA
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- (G) 140#/sys HMA Surface Type A on 220#/sys HMA Intermediate Type A on 6" Compacted Aggregate No. 53, Base on Subgrade Treatment, Type IIIA (6" Coarse Aggregate No. 53)
- (K) 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (2 Lifts) on Subgrade Treatment, Type IC
- (K1) 165 #/sys QC/QA-HMA, 1, 70, Surface, 9.5mm on 275 #/sys QC/QA-HMA 1, 70, Intermediate, 19.0mm on 6" Compacted Aggregate No. 53 Base (in 2 Lifts) on Subgrade Treatment, Type IC
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- (R2) Approach Milling, Asphalt 1.5" then 165#/sys QC/QA-HMA, 3, 70, Surface 9.5mm on Existing Pavement
- HMA For Structure Installation
- (3) Concrete Railing, Type PF-1
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- (22) Concrete Center Curb, Type D
- (26) Nursery Sodding
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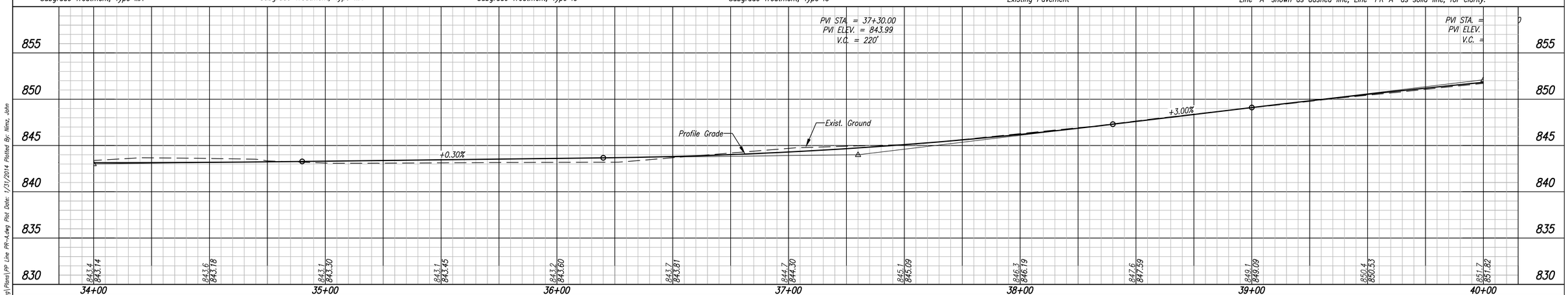

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PLAN & PROFILE LINE PR-A

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
.	26 of 183
CONTRACT	PROJECT
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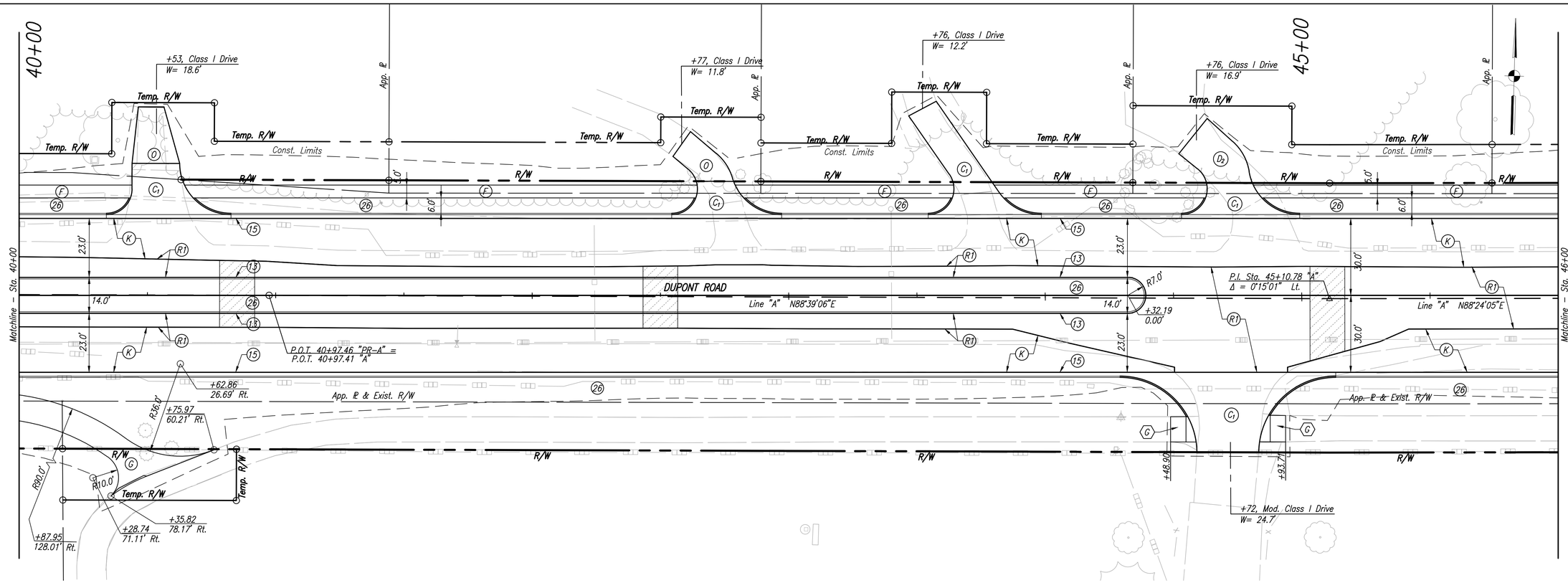
File Name: P:\C20\11-401\Road\Dwg\Plans\PR Line PR-A.dwg Plot Date: 1/31/2014 Plotted By: Nimz, John



LEGEND

- (A1) Reinforced Concrete Moment Slab, 12"
- (A2) 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Intermediate, 19.0mm on Reinforced Concrete Moment Slab, 12"
- (C1) PCCP for Approaches, 6" on Subgrade Treatment, Type IIIA
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- (D2) HMA For Approaches 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm on Subgrade Treatment, Type IC
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- (O) 6" Compacted Aggregate, No. 73
- (P) Full Depth HMA Patching 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (in 2 Lifts) on Subgrade Treatment, Type IC
- (R) Milling, Asphalt 1.5" then 165#/sys QC/QA-HMA, 3, 70, Surface 9.5mm on Existing Pavement
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- (R2) Approach Milling, Asphalt 1.5" then 165#/sys QC/QA-HMA, 3, 70, Surface 9.5mm on Existing Pavement
- HMA For Structure Installation
- (3) Concrete Railing, Type PF-1
- (4) Modified Concrete Railing, Type PF-1
- (13) Curb, Concrete
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- (22) Concrete Center Curb, Type D
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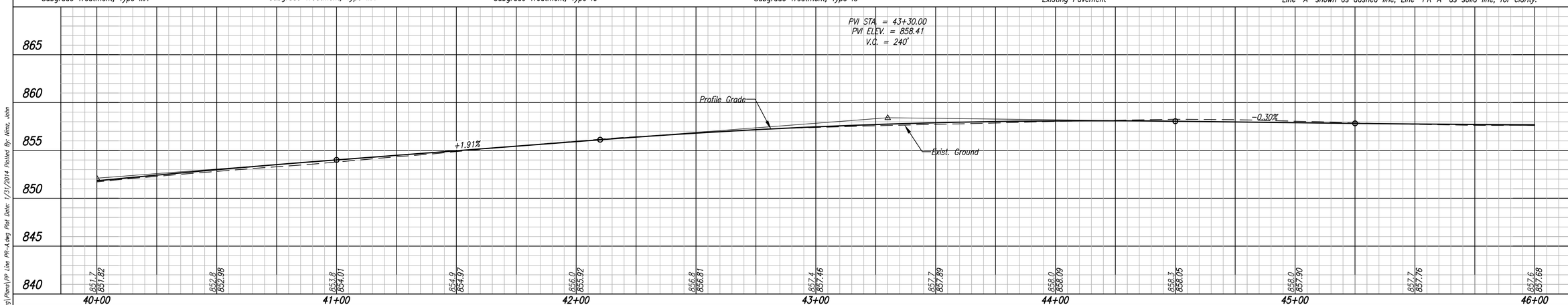

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INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE PR-A

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
.	27 of 183
CONTRACT	PROJECT
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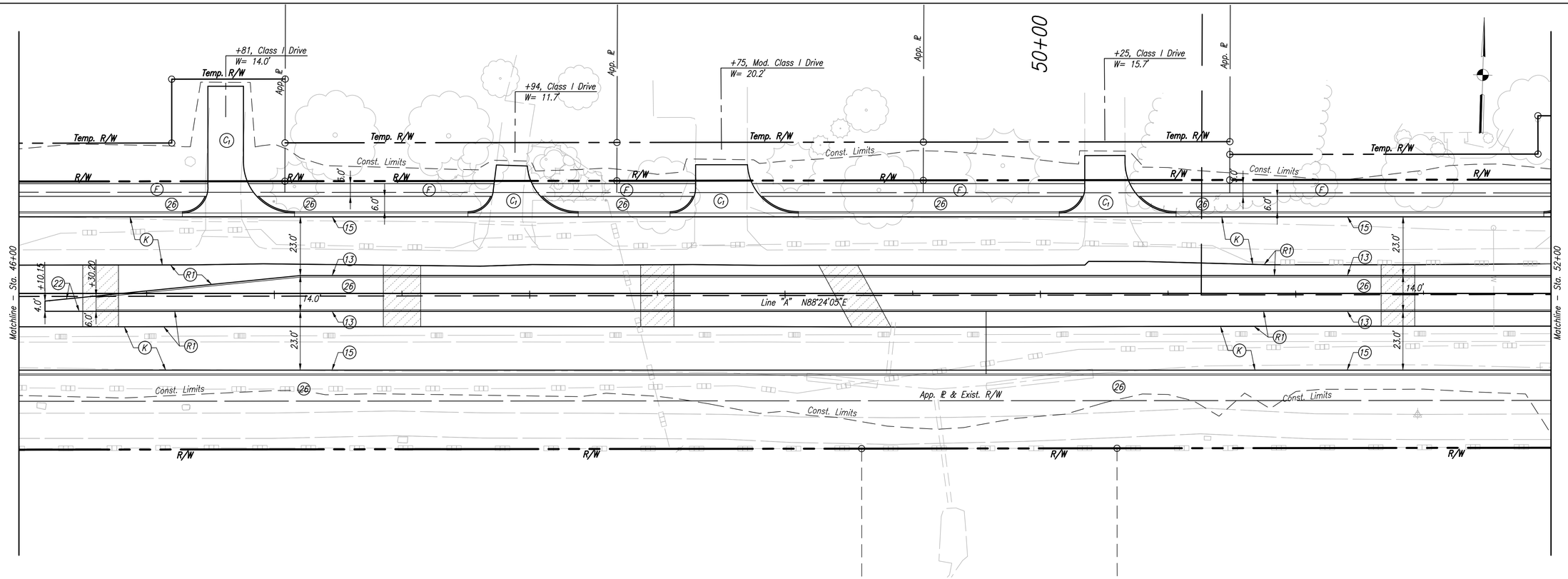

LEGEND

- (A1) Reinforced Concrete Moment Slab, 12"
- (A2) 165#/sys QC/QA–HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA–HMA, 3, 70, Intermediate, 19.0mm on Reinforced Concrete Moment Slab, 12"
- (C_1) PCCP for Approaches, 6" on Subgrade Treatment, Type IIIA
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- (D_2) HMA For Approaches 165#/sys QC/QA–HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA–HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA–HMA, 3, 64, Base, 19.0mm on Subgrade Treatment, Type IC
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- (O) 6" Compacted Aggregate, No. 73
- (P) Full Depth HMA Patching 165#/sys QC/QA–HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA–HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA–HMA, 3, 64, Base, 19.0mm (in 2 Lifts) on Subgrade Treatment, Type IC
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- (R2) Approach Milling, Asphalt 1.5" then 165#/sys QC/QA–HMA, 3, 70, Surface 9.5mm on Existing Pavement
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- (3) Concrete Railing, Type PF–1
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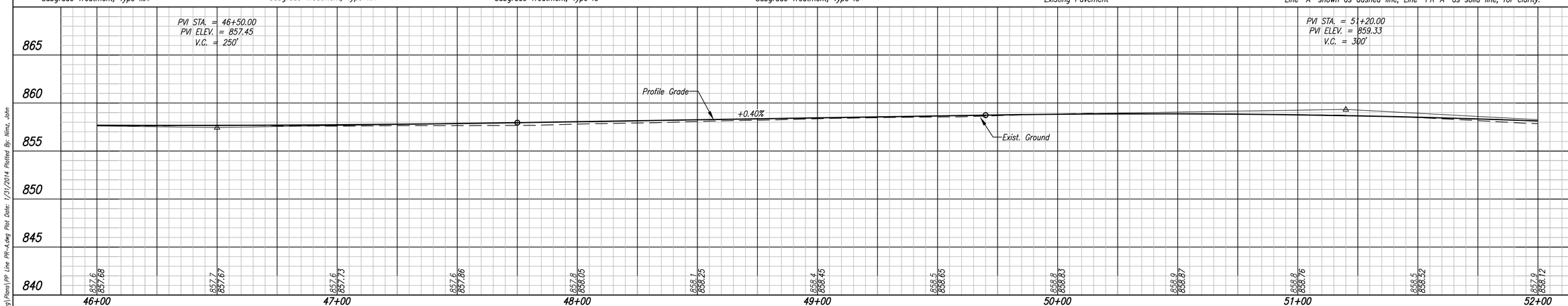

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PLAN & PROFILE LINE PR–A

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
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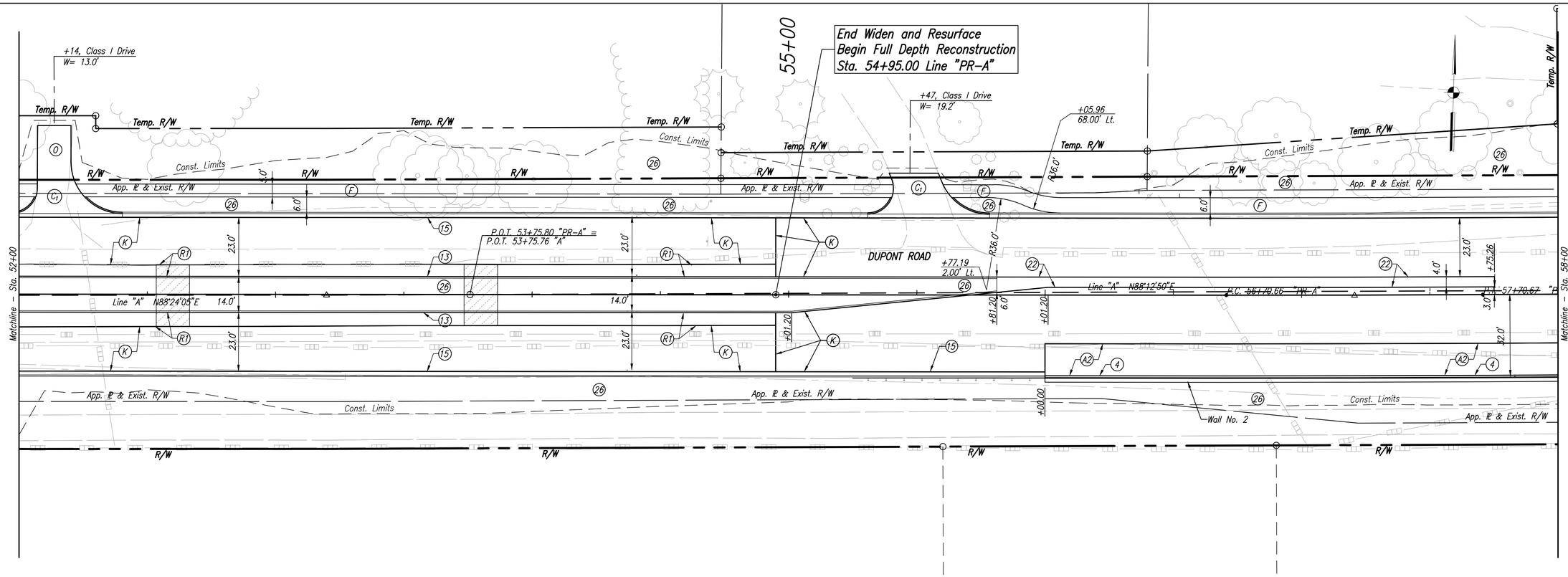
File Name: P:\C3D\11-401\Road\Dwg\Plans\PP Line PR-A.dwg Plot Date: 1/31/2014 Plotted By: Nimz, John



LEGEND

- (A1) Reinforced Concrete Moment Slab, 12"
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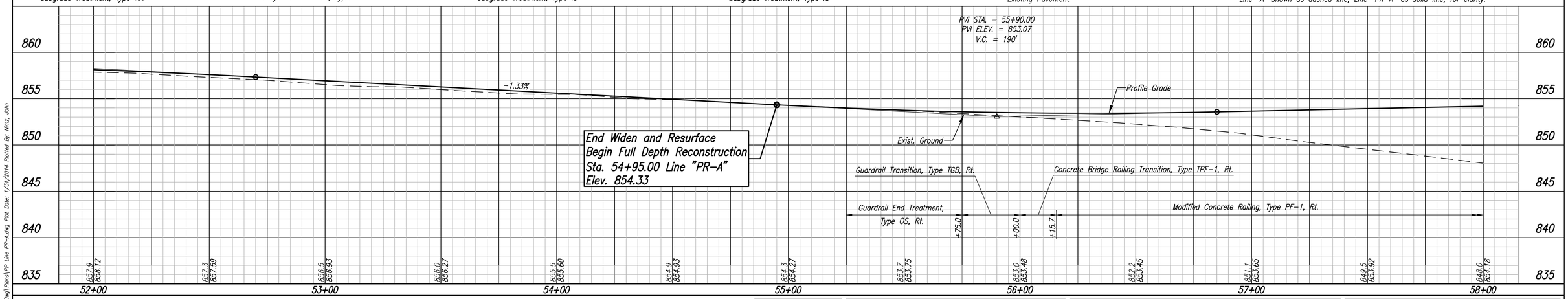

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DESIGNED: WDN | DRAWN: MAC
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INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE PR-A

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
.	29 of 183
CONTRACT	PROJECT
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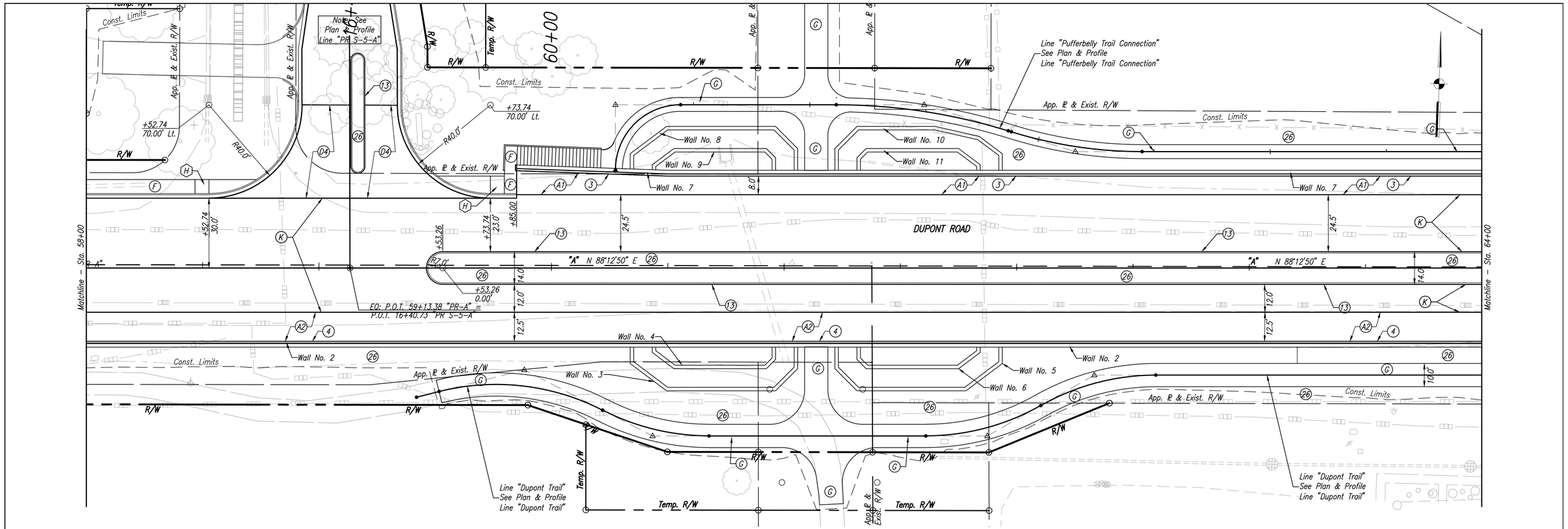
File Name: P:\C30\11-401\Road\Dwg\Plans\PR Line PR-A.dwg Plot Date: 1/31/2014 Plotted By: Nimz, John



LEGEND

- (A1) Reinforced Concrete Moment Slab, 12"
- (A2) 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Intermediate, 19.0mm on Reinforced Concrete Moment Slab, 12"
- (C_1) PCCP for Approaches, 6" on Subgrade Treatment, Type IIIA
- (C_3) PCCP for Approaches, 9" on Subgrade Treatment, Type IIIA
- (D_2) HMA For Approaches 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm on Subgrade Treatment, Type IC
- (D_4) HMA For Approaches 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 385#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on Subgrade Treatment, Type IIIA
- (F) Sidewalk, Concrete, 4"
- (G) 140#/sys HMA Surface Type A on 220#/sys HMA Intermediate Type A on 6" Compacted Aggregate No. 53, Base on Subgrade Treatment, Type IIIA (6" Coarse Aggregate No. 53)
- (K) 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (2 Lifts) on Subgrade Treatment, Type IC
- (K_1) 165 #/sys QC/QA-HMA, 1, 70, Surface, 9.5mm on 275 #/sys QC/QA-HMA 1, 70, Intermediate, 19.0mm on 6" Compacted Aggregate No. 53 Base (in 2 Lifts) on Subgrade Treatment, Type IC
- (O) 6" Compacted Aggregate, No. 73
- (P) Full Depth HMA Patching 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (in 2 Lifts) on Subgrade Treatment, Type IC
- (R) Milling, Asphalt 1.5" then 165#/sys QC/QA-HMA, 3, 70, Surface 9.5mm on Existing Pavement
- (R1) Mill and Variable Depth Resurface 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (2 Lifts) on Subgrade Treatment, Type IC
- (R2) Approach Milling, Asphalt 1.5" then 165#/sys QC/QA-HMA, 3, 70, Surface 9.5mm on Existing Pavement
- HMA For Structure Installation
- (3) Concrete Railing, Type PF-1
- (4) Modified Concrete Railing, Type PF-1
- (13) Curb, Concrete
- (15) Combined Concrete Curb and Gutter
- (22) Concrete Center Curb, Type D
- (26) Nursery Sodding
- Concrete Curb Ramp, Type _

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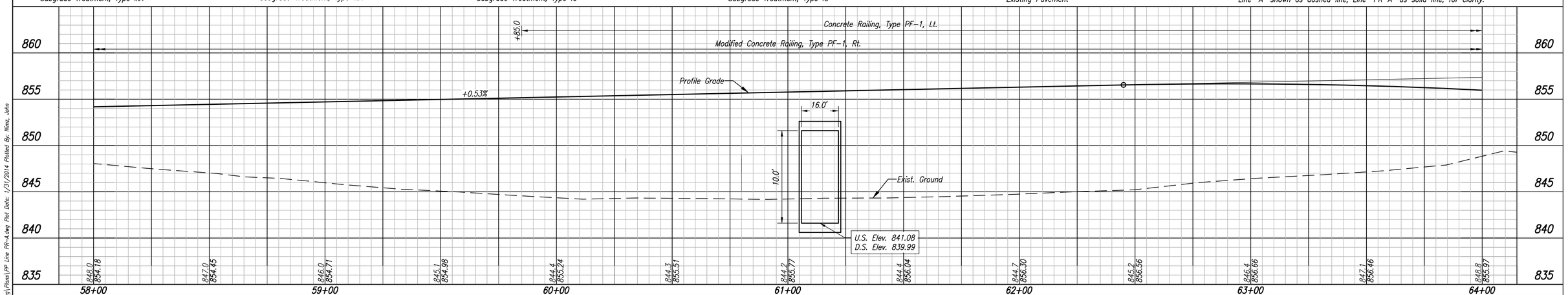

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INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE PR-A

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
.	30 of 183
CONTRACT	PROJECT
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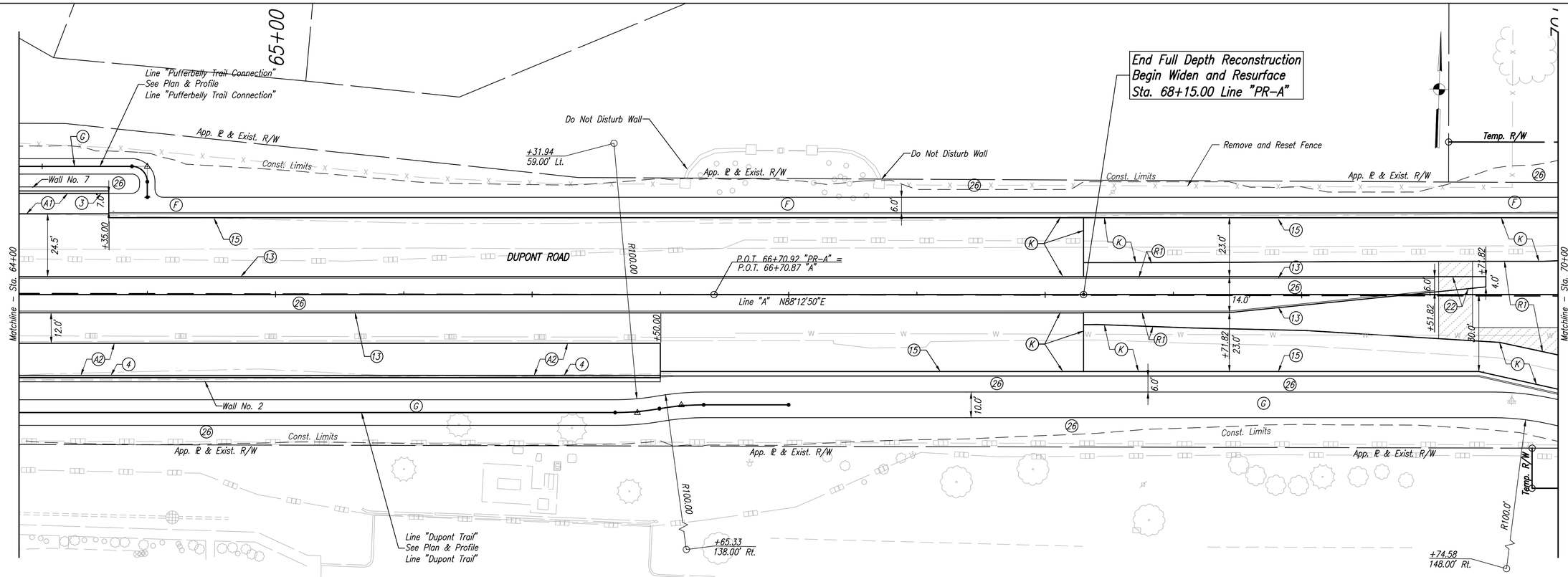
File Name: P:\C20\11-401\Road\Dwg\Plans\PR Line PR-A.dwg Plot Date: 1/31/2014 Plotted By: Nimz, John



LEGEND

- (A1) Reinforced Concrete Moment Slab, 12"
- (A2) 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Intermediate, 19.0mm on Reinforced Concrete Moment Slab, 12"
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- (D_4) HMA For Approaches 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 385#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on Subgrade Treatment, Type IIIA
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- (G) 140#/sys HMA Surface Type A on 220#/sys HMA Intermediate Type A on 6" Compacted Aggregate No. 53, Base on Subgrade Treatment, Type IIIA (6" Coarse Aggregate No. 53)
- (K) 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (2 Lifts) on Subgrade Treatment, Type IC
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- (P) Full Depth HMA Patching 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (in 2 Lifts) on Subgrade Treatment, Type IC
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- (R2) Approach Milling, Asphalt 1.5" then 165#/sys QC/QA-HMA, 3, 70, Surface 9.5mm on Existing Pavement
- HMA For Structure Installation
- (3) Concrete Railing, Type PF-1
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- (15) Combined Concrete Curb and Gutter
- (22) Concrete Center Curb, Type D
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- Concrete Curb Ramp, Type _

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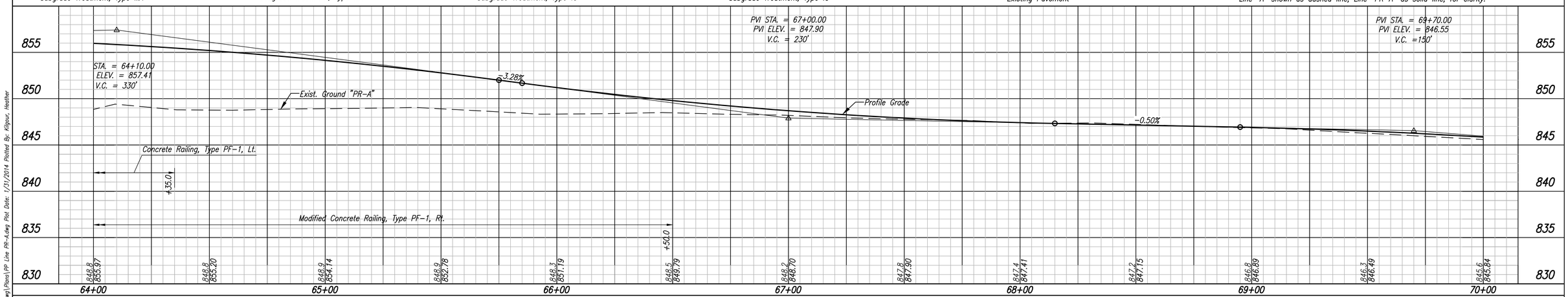

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PLAN & PROFILE LINE PR-A

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
.	31 of 183
CONTRACT	PROJECT
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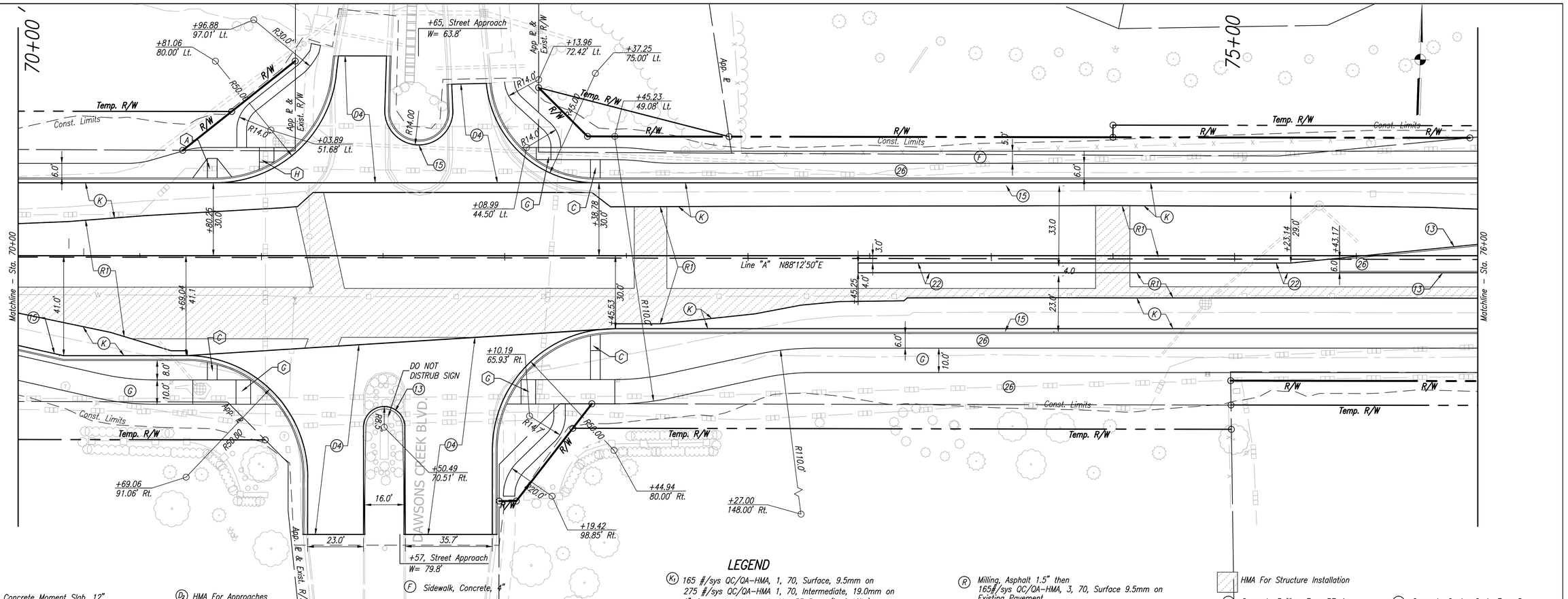

LEGEND

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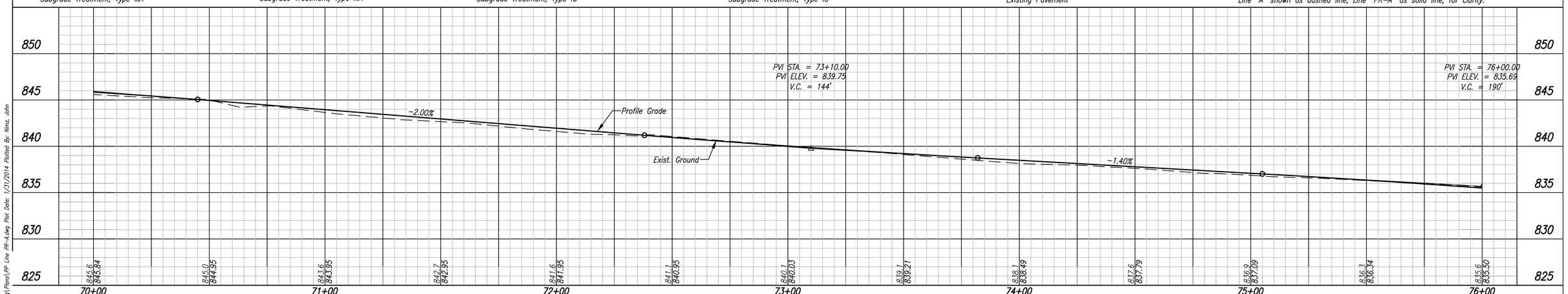

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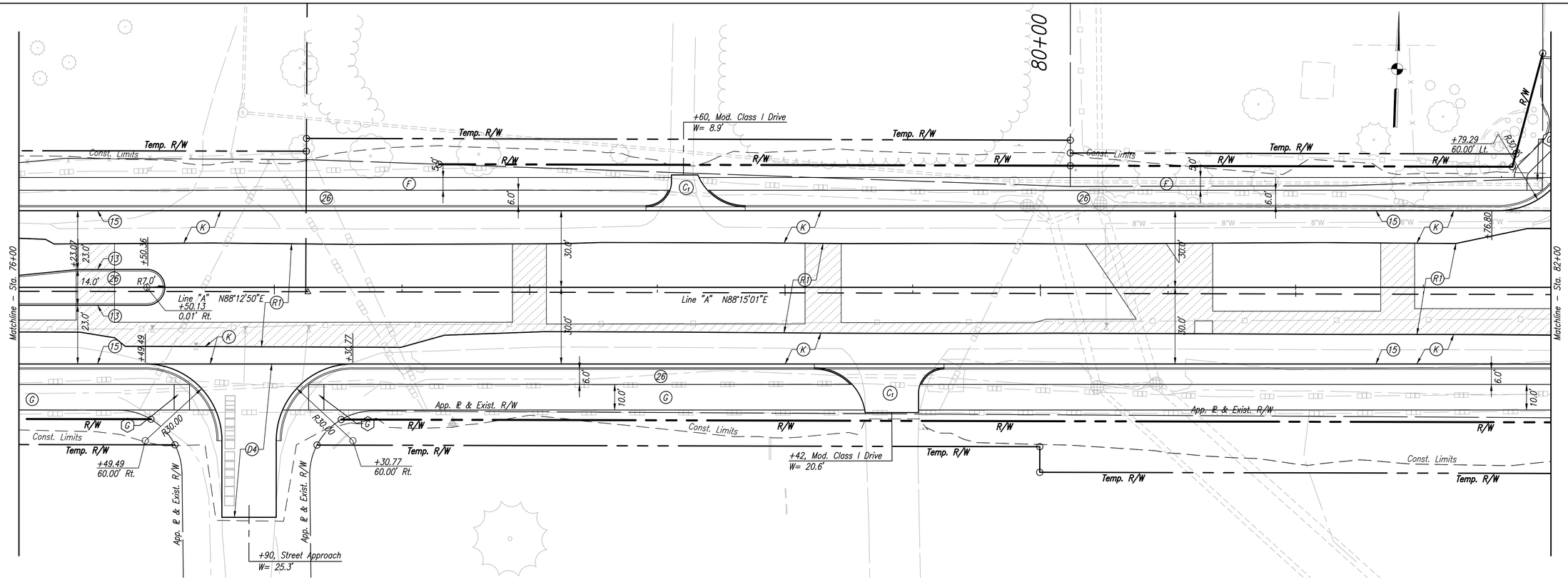
CHECKED: JAR | CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE PR-A

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
.	32 of 183
CONTRACT	PROJECT
.	.

File Name: P:\CSD\11-401\Road\Dwg\Plans\PR Line PR-A.dwg Plot Date: 1/31/2014 Plotted By: Nimz, John



LEGEND

- (A1) Reinforced Concrete Moment Slab, 12"
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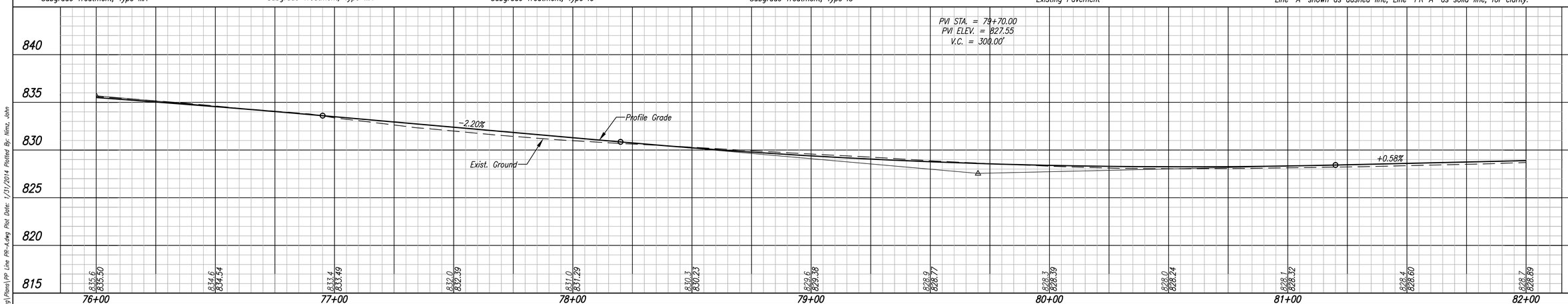

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HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
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SURVEY BOOK	SHEETS
.	33 of 183
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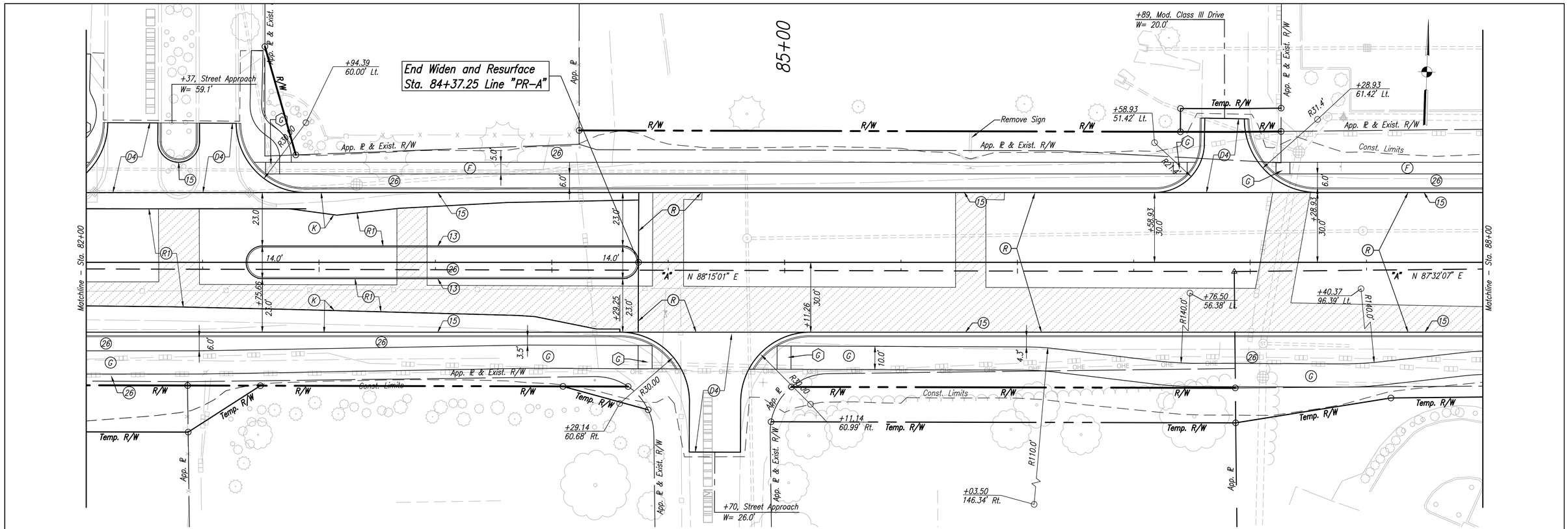
File Name: P:\C20\11-401\Road\Dwg\Plans\PR Line PR-A.dwg Plot Date: 1/31/2014 Plotted By: Nimz, John



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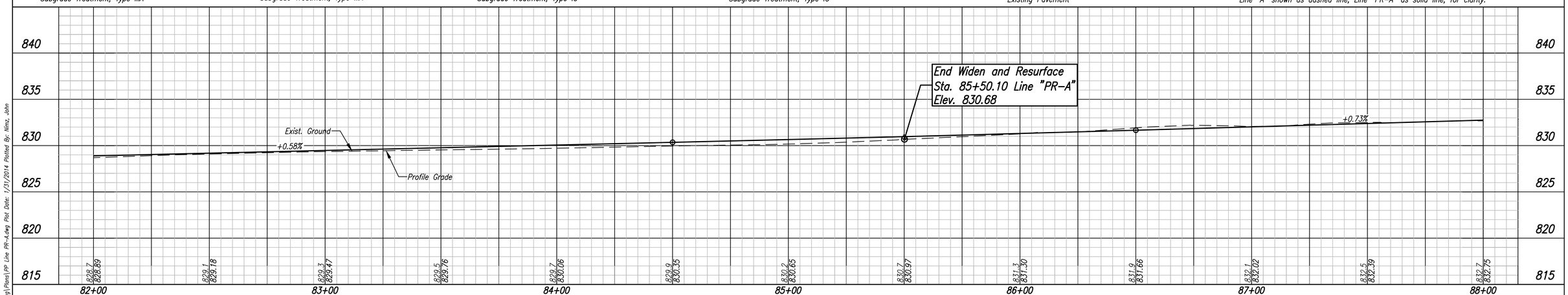

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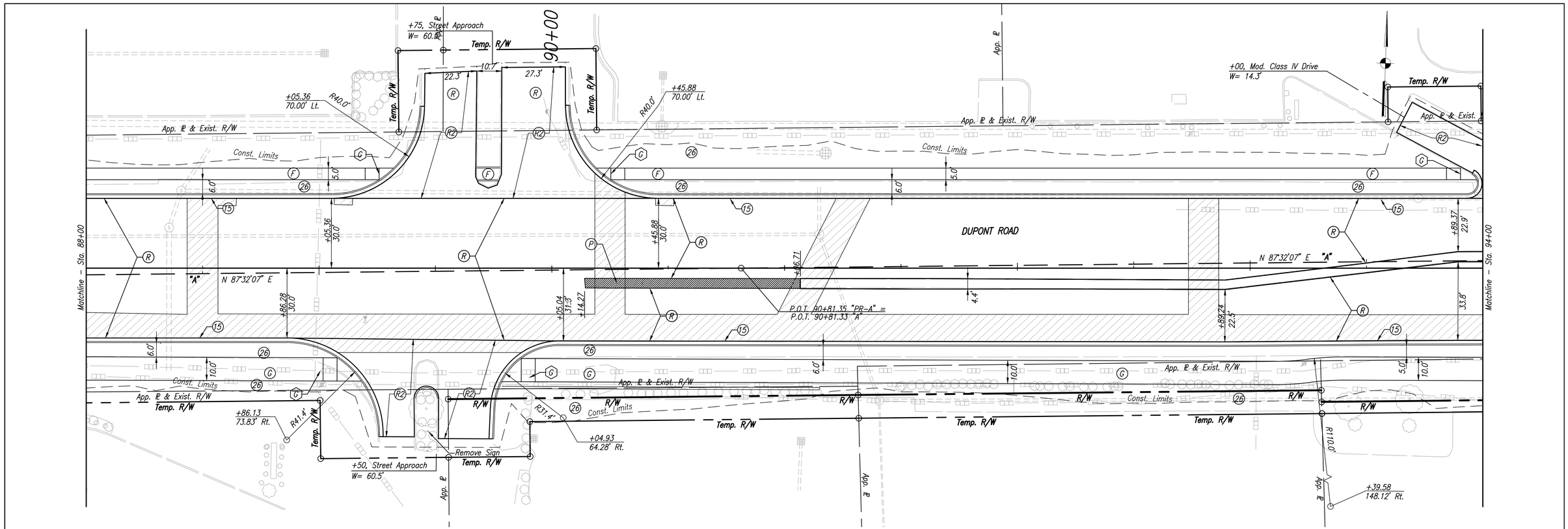

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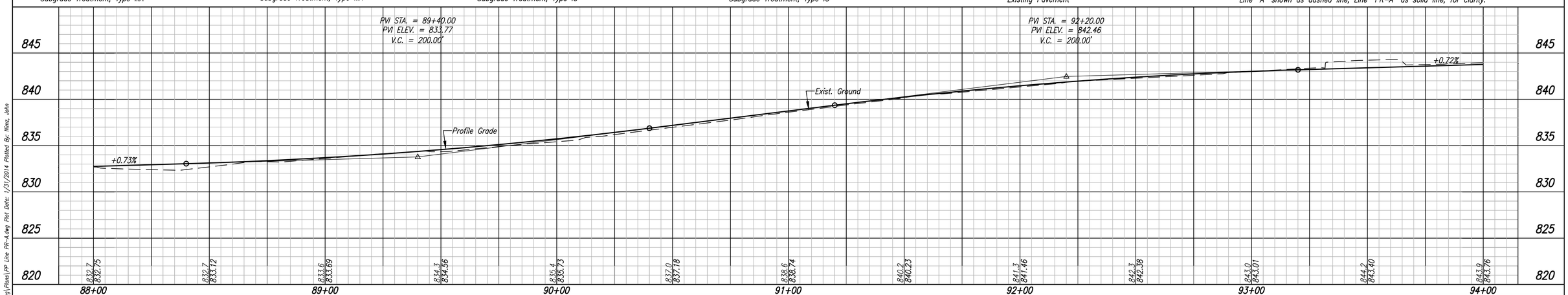
- (C1) PCCP for Approaches, 6" on Subgrade Treatment, Type IIIA
- (C2) PCCP for Approaches, 9" on Subgrade Treatment, Type IIIA
- (D2) HMA For Approaches 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm on Subgrade Treatment, Type IC
- (D4) HMA For Approaches 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 385#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on Subgrade Treatment, Type IIIA
- (F) Sidewalk, Concrete, 4"
- (G) 140#/sys HMA Surface Type A on 220#/sys HMA Intermediate Type A on 6" Compacted Aggregate No. 53, Base on Subgrade Treatment, Type IIIA (6" Coarse Aggregate No. 53)
- (K) 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (2 Lifts) on Subgrade Treatment, Type IC
- (K1) 165 #/sys QC/QA-HMA, 1, 70, Surface, 9.5mm on 275 #/sys QC/QA-HMA 1, 70, Intermediate, 19.0mm on 6" Compacted Aggregate No. 53 Base (in 2 Lifts) on Subgrade Treatment, Type IC
- (O) 6" Compacted Aggregate, No. 73
- (P) Full Depth HMA Patching 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (in 2 Lifts) on Subgrade Treatment, Type IC
- (R) Milling, Asphalt 1.5" then 165#/sys QC/QA-HMA, 3, 70, Surface 9.5mm on Existing Pavement
- (R1) Mill and Variable Depth Resurface 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (2 Lifts) on Subgrade Treatment, Type IC
- (R2) Approach Milling, Asphalt 1.5" then 165#/sys QC/QA-HMA, 3, 70, Surface 9.5mm on Existing Pavement
- HMA For Structure Installation
- (3) Concrete Railing, Type PF-1
- (4) Modified Concrete Railing, Type PF-1
- (13) Curb, Concrete
- (15) Combined Concrete Curb and Gutter
- (22) Concrete Center Curb, Type D
- (26) Nursery Sodding
- Concrete Curb Ramp, Type _

Note: Refer to Drainage Construction Detail Sheets for Topography Station Offset Callouts, Right-of-Way Information, and Drainage Details. Line "PR-A" to be constructed. Line "A" shown as dashed line, Line "PR-A" as solid line, for clarity.



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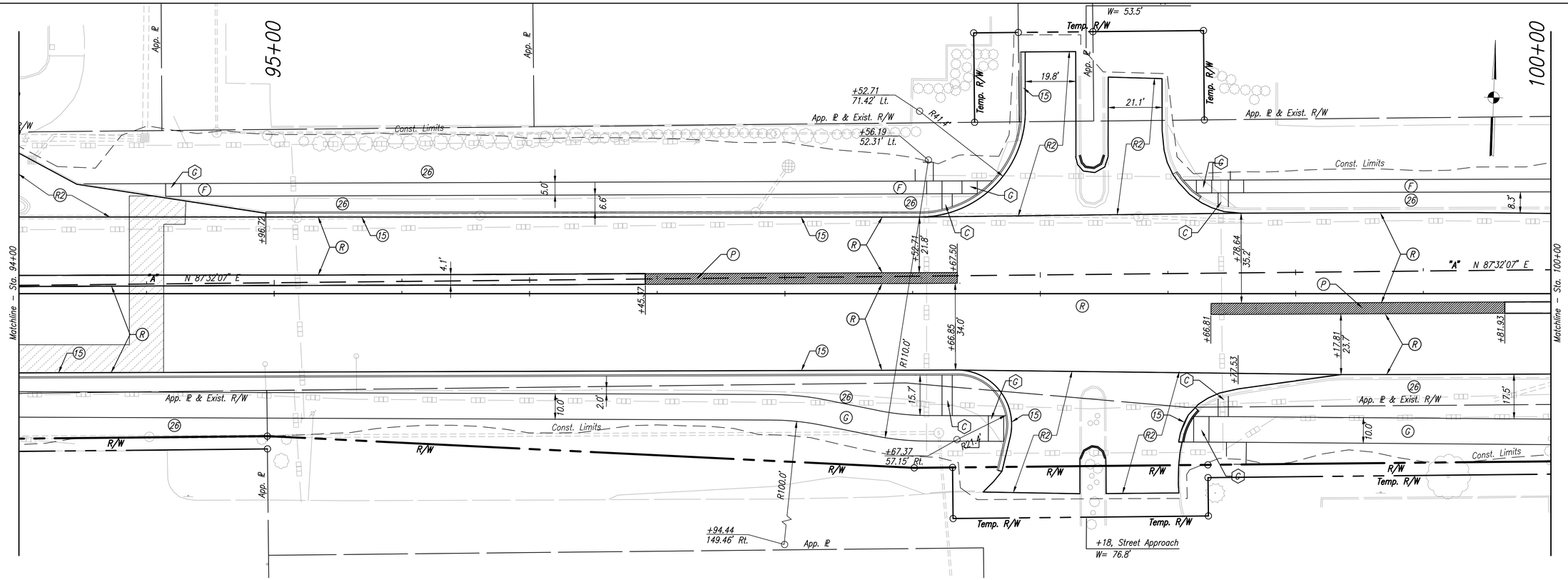
DESIGNED: WDN	DRAWN: MAC
CHECKED: JAR	CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE PR-A

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
.	35 of 183
CONTRACT	PROJECT
.	.

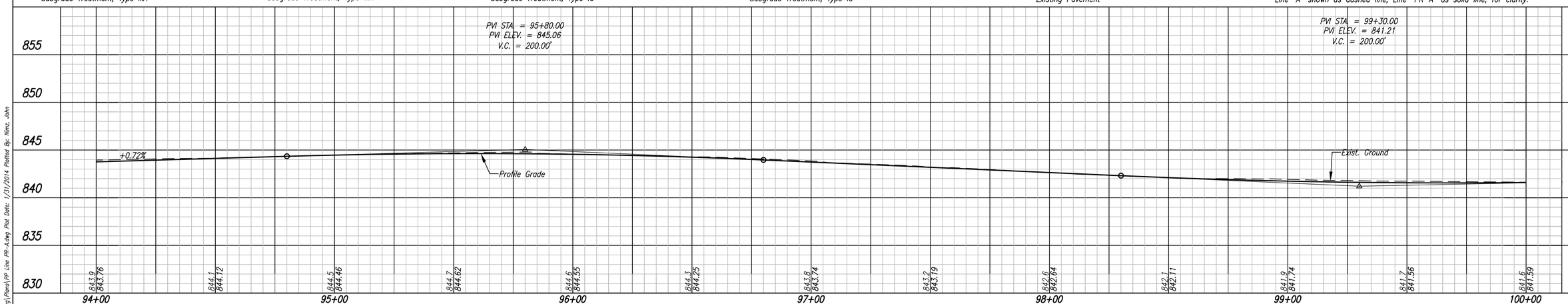
File Name: P:\C20\11-401\Road\Dwg\Plans\PR Line PR-A.dwg Plot Date: 1/31/2014 Plotted By: Nimz, John



LEGEND

- (A1) Reinforced Concrete Moment Slab, 12"
- (A2) 165#/sys QC/QA–HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA–HMA, 3, 70, Intermediate, 19.0mm on Reinforced Concrete Moment Slab, 12"
- (C_1) PCCP for Approaches, 6" on Subgrade Treatment, Type IIIA
- (C_2) PCCP for Approaches, 9" on Subgrade Treatment, Type IIIA
- (D_2) HMA For Approaches 165#/sys QC/QA–HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA–HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA–HMA, 3, 64, Base, 19.0mm on Subgrade Treatment, Type IC
- (D_4) HMA For Approaches 165#/sys QC/QA–HMA, 3, 70, Surface, 9.5mm on 385#/sys QC/QA–HMA, 3, 70, Inter, 19.0mm on Subgrade Treatment, Type IIIA
- (F) Sidewalk, Concrete, 4"
- (G) 140#/sys HMA Surface Type A on 220#/sys HMA Intermediate Type A on 6" Compacted Aggregate No. 53, Base on Subgrade Treatment, Type IIIA (6" Coarse Aggregate No. 53)
- (K) 165#/sys QC/QA–HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA–HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA–HMA, 3, 64, Base, 19.0mm (2 Lifts) on Subgrade Treatment, Type IC
- (K_1) 165 #/sys QC/QA–HMA, 1, 70, Surface, 9.5mm on 275 #/sys QC/QA–HMA 1, 70, Intermediate, 19.0mm on 6" Compacted Aggregate No. 53 Base (in 2 Lifts) on Subgrade Treatment, Type IC
- (O) 6" Compacted Aggregate, No. 73
- (P) Full Depth HMA Patching 165#/sys QC/QA–HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA–HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA–HMA, 3, 64, Base, 19.0mm (in 2 Lifts) on Subgrade Treatment, Type IC
- (R) Milling, Asphalt 1.5" then 165#/sys QC/QA–HMA, 3, 70, Surface 9.5mm on Existing Pavement
- (R1) Mill and Variable Depth Resurface 165#/sys QC/QA–HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA–HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA–HMA, 3, 64, Base, 19.0mm (2 Lifts) on Subgrade Treatment, Type IC
- (R2) Approach Milling, Asphalt 1.5" then 165#/sys QC/QA–HMA, 3, 70, Surface 9.5mm on Existing Pavement
- HMA For Structure Installation
- (3) Concrete Railing, Type PF–1
- (4) Modified Concrete Railing, Type PF–1
- (13) Curb, Concrete
- (15) Combined Concrete Curb and Gutter
- (22) Concrete Center Curb, Type D
- (26) Nursery Sodding
- Concrete Curb Ramp, Type _

Note: Refer to Drainage Construction Detail Sheets for Topography Station Offset Callouts, Right–of–Way Information, and Drainage Details. Line "PR–A" to be constructed. Line "A" shown as dashed line, Line "PR–A" as solid line, for clarity.



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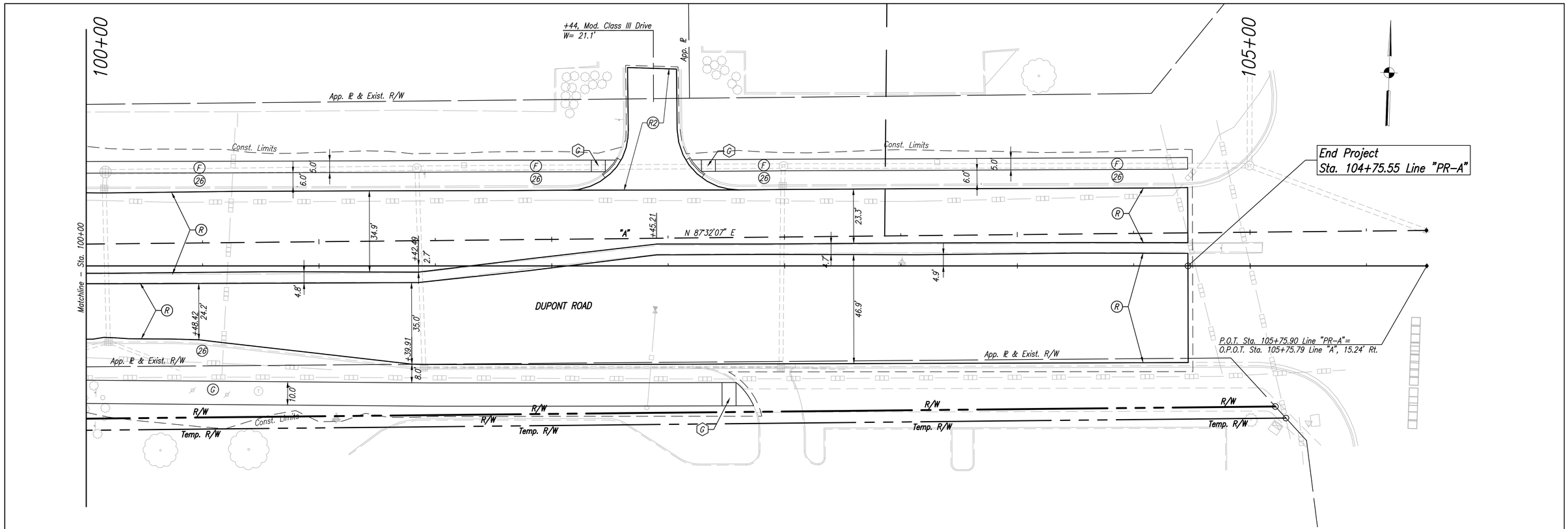
DESIGNED: WDN | DRAWN: MAC
CHECKED: JAR | CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE PR–A

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
.	36 of 183
CONTRACT	PROJECT
.	.

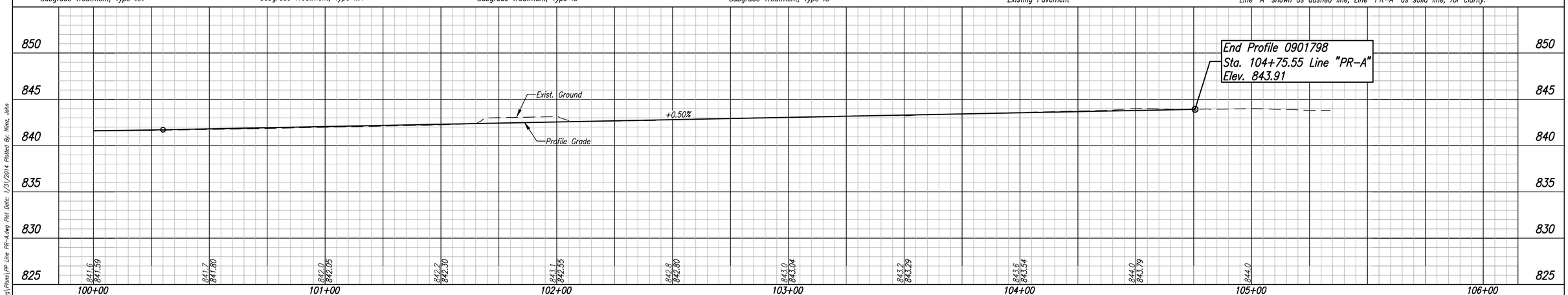
File Name: P:\C20\11-401\Road\Dwg\Plans\PR Line PR-A.dwg Plot Date: 1/31/2014 Plotted By: Nimz, John



LEGEND

- (A1) Reinforced Concrete Moment Slab, 12"
- (A2) 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Intermediate, 19.0mm on Reinforced Concrete Moment Slab, 12"
- (C1) PCCP for Approaches, 6" on Subgrade Treatment, Type IIIA
- (C2) PCCP for Approaches, 9" on Subgrade Treatment, Type IIIA
- (D2) HMA For Approaches 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm on Subgrade Treatment, Type IC
- (D4) HMA For Approaches 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 385#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on Subgrade Treatment, Type IIIA
- (F) Sidewalk, Concrete, 4"
- (G) 140#/sys HMA Surface Type A on 220#/sys HMA Intermediate Type A on 6" Compacted Aggregate No. 53, Base on Subgrade Treatment, Type IIIA (6" Coarse Aggregate No. 53)
- (K) 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (2 Lifts) on Subgrade Treatment, Type IC
- (K1) 165 #/sys QC/QA-HMA, 1, 70, Surface, 9.5mm on 275 #/sys QC/QA-HMA 1, 70, Intermediate, 19.0mm on 6" Compacted Aggregate No. 53 Base (in 2 Lifts) on Subgrade Treatment, Type IC
- (O) 6" Compacted Aggregate, No. 73
- (P) Full Depth HMA Patching 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (in 2 Lifts) on Subgrade Treatment, Type IC
- (R) Milling, Asphalt 1.5" then 165#/sys QC/QA-HMA, 3, 70, Surface 9.5mm on Existing Pavement
- (R1) Mill and Variable Depth Resurface 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (2 Lifts) on Subgrade Treatment, Type IC
- (R2) Approach Milling, Asphalt 1.5" then 165#/sys QC/QA-HMA, 3, 70, Surface 9.5mm on Existing Pavement
- HMA For Structure Installation
- (3) Concrete Railing, Type PF-1
- (4) Modified Concrete Railing, Type PF-1
- (13) Curb, Concrete
- (15) Combined Concrete Curb and Gutter
- (22) Concrete Center Curb, Type D
- (26) Nursery Sodding
- Concrete Curb Ramp, Type _

Note: Refer to Drainage Construction Detail Sheets for Topography Station Offset Callouts, Right-of-Way Information, and Drainage Details. Line "PR-A" to be constructed. Line "A" shown as dashed line, Line "PR-A" as solid line, for clarity.



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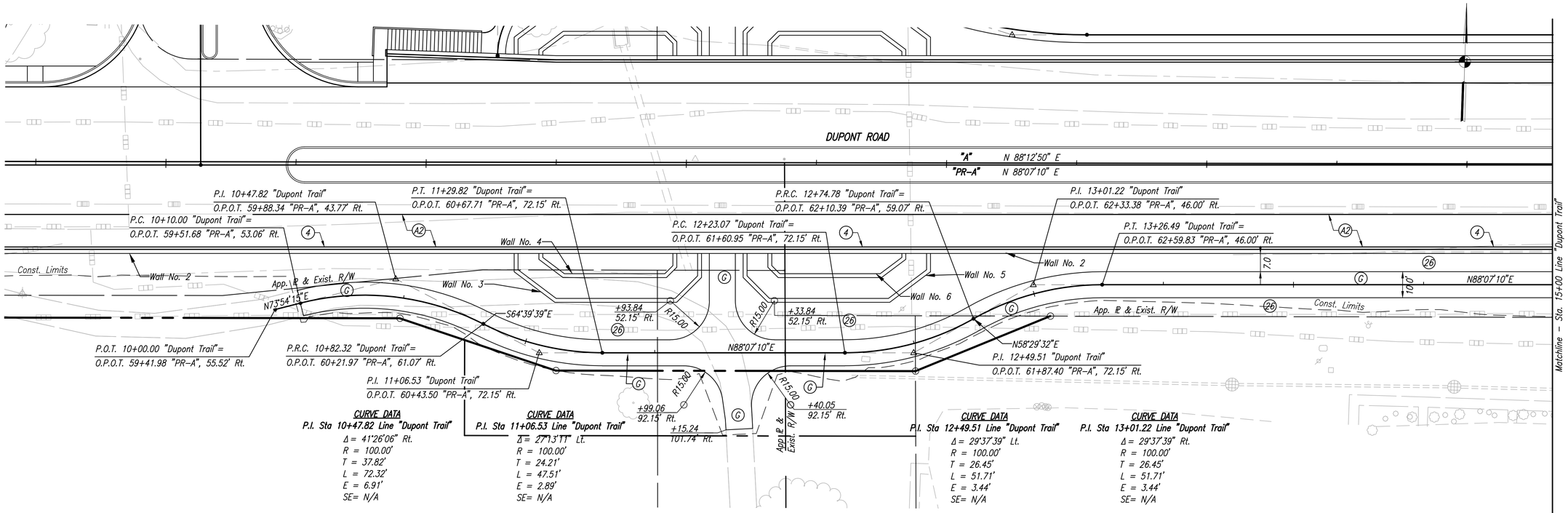
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	
DESIGNED: WDN	DRAWN: MAC
CHECKED: JAR	CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE PR-A

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
.	37 of 183
CONTRACT	PROJECT
.	.

File Name: P:\C20\11-401\Road\Dwg\Plans\PR Line PR-A.dwg Plot Date: 1/31/2014 Plotted By: Nimz, John



CURVE DATA
P.I. Sta 10+47.82 Line "Dupont Trail"
Δ = 41°26'06" Rt.
R = 100.00'
T = 37.82'
L = 72.32'
E = 6.91'
SE= N/A

CURVE DATA
P.I. Sta 11+06.53 Line "Dupont Trail"
Δ = 27°13'11" Lt.
R = 100.00'
T = 24.21'
L = 47.51'
E = 2.89'
SE= N/A

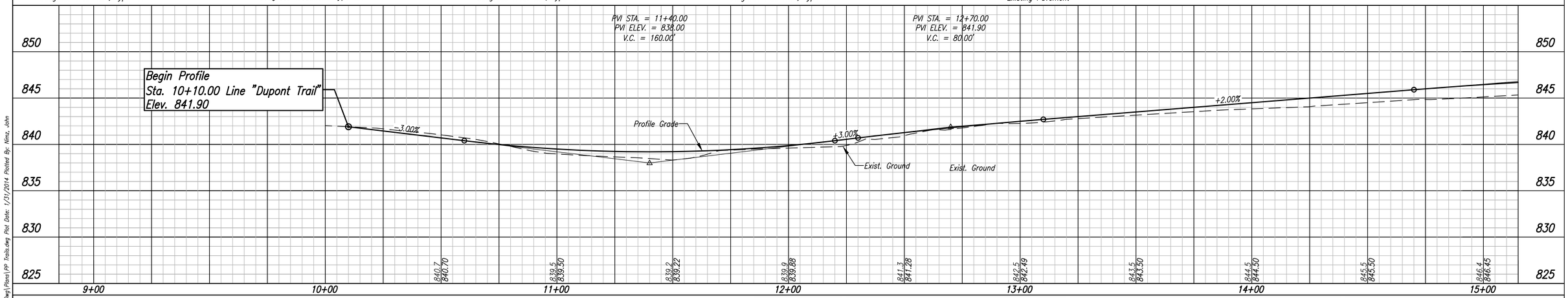
CURVE DATA
P.I. Sta 12+49.51 Line "Dupont Trail"
Δ = 29°37'39" Lt.
R = 100.00'
T = 26.45'
L = 51.71'
E = 3.44'
SE= N/A

CURVE DATA
P.I. Sta 13+01.22 Line "Dupont Trail"
Δ = 29°37'39" Rt.
R = 100.00'
T = 26.45'
L = 51.71'
E = 3.44'
SE= N/A

LEGEND

- (A1) Reinforced Concrete Moment Slab, 12"
- (A2) 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Intermediate, 19.0mm on Reinforced Concrete Moment Slab, 12"
- (C1) PCCP for Approaches, 6" on Subgrade Treatment, Type IIIA
- (C3) PCCP for Approaches, 9" on Subgrade Treatment, Type IIIA
- (D2) HMA For Approaches 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm on Subgrade Treatment, Type IC
- (D4) HMA For Approaches 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 385#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on Subgrade Treatment, Type IIIA
- (F) Sidewalk, Concrete, 4"
- (G) 140#/sys HMA Surface Type A on 220#/sys HMA Intermediate Type A on 6" Compacted Aggregate No. 53, Base on Subgrade Treatment, Type IIIA (6" Coarse Aggregate No. 53)
- (K) 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (2 Lifts) on Subgrade Treatment, Type IC
- (K1) 165 #/sys QC/QA-HMA, 1, 70, Surface, 9.5mm on 275 #/sys QC/QA-HMA 1, 70, Intermediate, 19.0mm on 6" Compacted Aggregate No. 53 Base (in 2 Lifts) on Subgrade Treatment, Type IC
- (O) 6" Compacted Aggregate, No. 73
- (P) Full Depth HMA Patching 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (in 2 Lifts) on Subgrade Treatment, Type IC
- (R) Milling, Asphalt 1.5" then 165#/sys QC/QA-HMA, 3, 70, Surface 9.5mm on Existing Pavement
- (R1) Mill and Variable Depth Resurface 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (2 Lifts) on Subgrade Treatment, Type IC
- (R2) Approach Milling, Asphalt 1.5" then 165#/sys QC/QA-HMA, 3, 70, Surface 9.5mm on Existing Pavement
- HMA For Structure Installation
- (3) Concrete Railing, Type PF-1
- (4) Modified Concrete Railing, Type PF-1
- (13) Curb, Concrete
- (15) Combined Concrete Curb and Gutter
- (22) Concrete Center Curb, Type D
- (26) Nursery Sodding
- Concrete Curb Ramp, Type _

Note: Refer to Drainage Construction Detail Sheets for Topography Station Offset Callouts, Right-of-Way Information, and Drainage Details. Line "Dupont Trail" to be constructed.



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DESIGN ENGINEER DATE

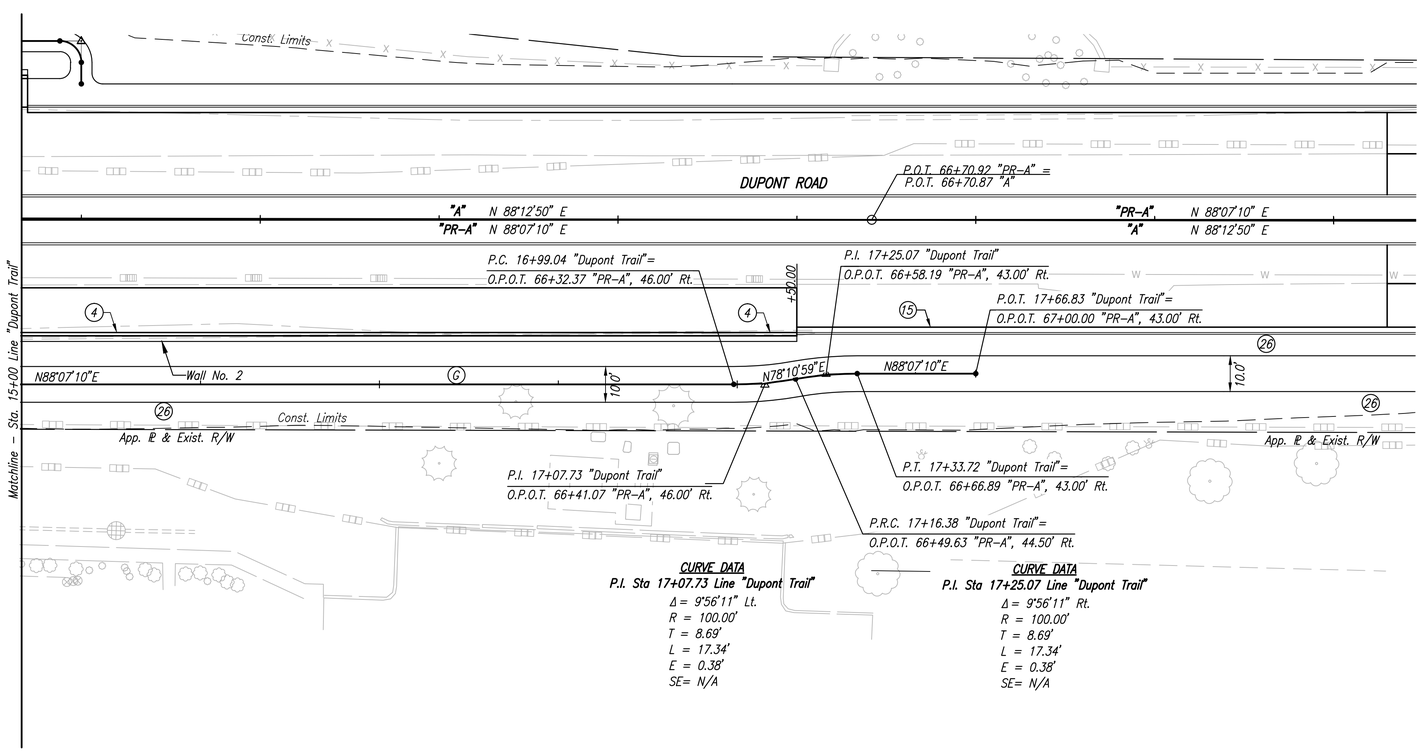
DESIGNED: WRC DRAWN: JNII
CHECKED: JAR CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE "Dupont Trail"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
.	38 of 183
CONTRACT	PROJECT
.	.

File Name: P:\(C30)11-401\Road\Dwg\Plans\PP Trails.dwg Plot Date: 1/31/2014 Plotted By: Nimz, John



CURVE DATA
P.I. Sta 17+07.73 Line "Dupont Trail"
Δ = 9°56'11" Lt.
R = 100.00'
T = 8.69'
L = 17.34'
E = 0.38'
SE= N/A

CURVE DATA
P.I. Sta 17+25.07 Line "Dupont Trail"
Δ = 9°56'11" Rt.
R = 100.00'
T = 8.69'
L = 17.34'
E = 0.38'
SE= N/A

LEGEND

- (A1) Reinforced Concrete Moment Slab, 12"
- (A2) 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Intermediate, 19.0mm on Reinforced Concrete Moment Slab, 12"
- (C1) PCCP for Approaches, 6" on Subgrade Treatment, Type IIIA
- (C3) PCCP for Approaches, 9" on Subgrade Treatment, Type IIIA
- (D2) HMA For Approaches 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm on Subgrade Treatment, Type IC
- (D4) HMA For Approaches 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 385#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on Subgrade Treatment, Type IIIA
- (F) Sidewalk, Concrete, 4"
- (G) 140#/sys HMA Surface Type A on 220#/sys HMA Intermediate Type A on 6" Compacted Aggregate No. 53, Base on Subgrade Treatment, Type IIIA (6" Coarse Aggregate No. 53)
- (K) 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (2 Lifts) on Subgrade Treatment, Type IC
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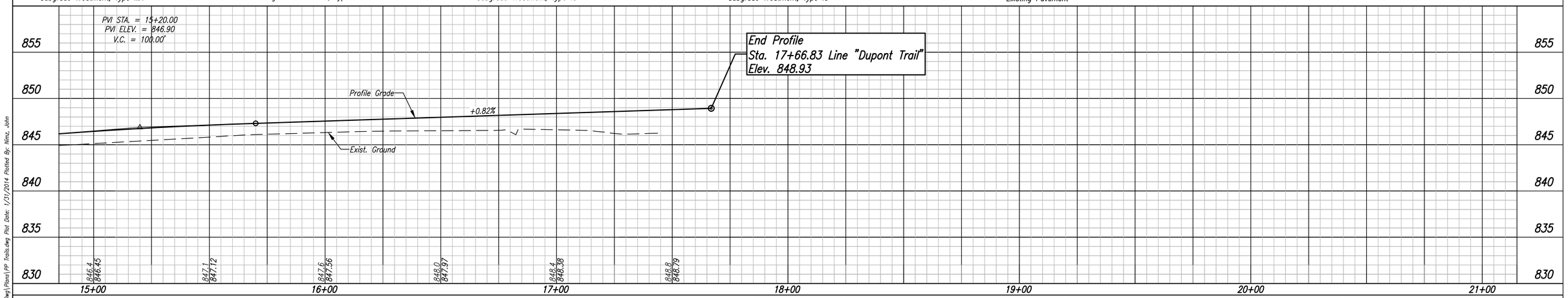
- (26) Nursery Sodding
- Concrete Curb Ramp, Type _

Note: Refer to Drainage Construction Detail Sheets for Topography Station Offset Callouts, Right-of-Way Information, and Drainage Details. Line "Dupont Trail" to be constructed.



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DESIGNED: WRC | DRAWN: JNII
CHECKED: JAR | CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE "Dupont Trail"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
.	39 of 183
CONTRACT	PROJECT
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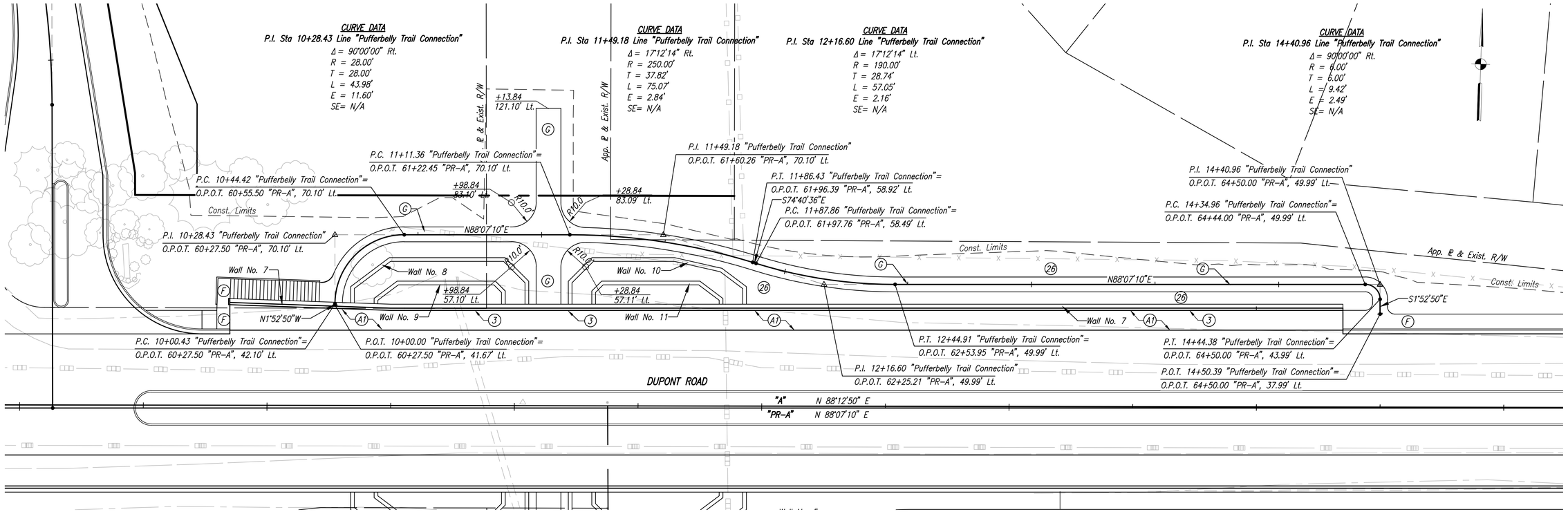
File Name: P:\C30\11-401\Road\Dwg\Plans\PP Trails.dwg Plot Date: 1/31/2014 Plotted By: Nimz, John



LEGEND

- (A1) Reinforced Concrete Moment Slab, 12"
- (A2) 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Intermediate, 19.0mm on Reinforced Concrete Moment Slab, 12"
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- (F) Sidewalk, Concrete, 4"
- (G) 140#/sys HMA Surface Type A on 220#/sys HMA Intermediate Type A on 6" Compacted Aggregate No. 53, Base on Subgrade Treatment, Type IIIA (6" Coarse Aggregate No. 53)
- (K) 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (2 Lifts) on Subgrade Treatment, Type IC
- (K1) 165 #/sys QC/QA-HMA, 1, 70, Surface, 9.5mm on 275 #/sys QC/QA-HMA 1, 70, Intermediate, 19.0mm on 6" Compacted Aggregate No. 53 Base (in 2 Lifts) on Subgrade Treatment, Type IC
- (O) 6" Compacted Aggregate, No. 73
- (P) Full Depth HMA Patching 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (in 2 Lifts) on Subgrade Treatment, Type IC
- (R) Milling, Asphalt 1.5" then 165#/sys QC/QA-HMA, 3, 70, Surface 9.5mm on Existing Pavement
- (R1) Mill and Variable Depth Resurface 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (2 Lifts) on Subgrade Treatment, Type IC
- (R2) Approach Milling, Asphalt 1.5" then 165#/sys QC/QA-HMA, 3, 70, Surface 9.5mm on Existing Pavement
- HMA For Structure Installation
- (3) Concrete Railing, Type PF-1
- (4) Modified Concrete Railing, Type PF-1
- (13) Curb, Concrete
- (15) Combined Concrete Curb and Gutter
- (22) Concrete Center Curb, Type D
- (26) Nursery Sodding
- Concrete Curb Ramp, Type _

Note: Refer to Drainage Construction Detail Sheets for Topography Station Offset Callouts, Right-of-Way Information, and Drainage Details. Line "Pufferbelly Trail Connection" to be constructed.

UNITED Consulting
1625 N. Post Road
Indianapolis, IN 46219
Phone 317-895-2585
Fax 317-895-2596
www.ucindy.com

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

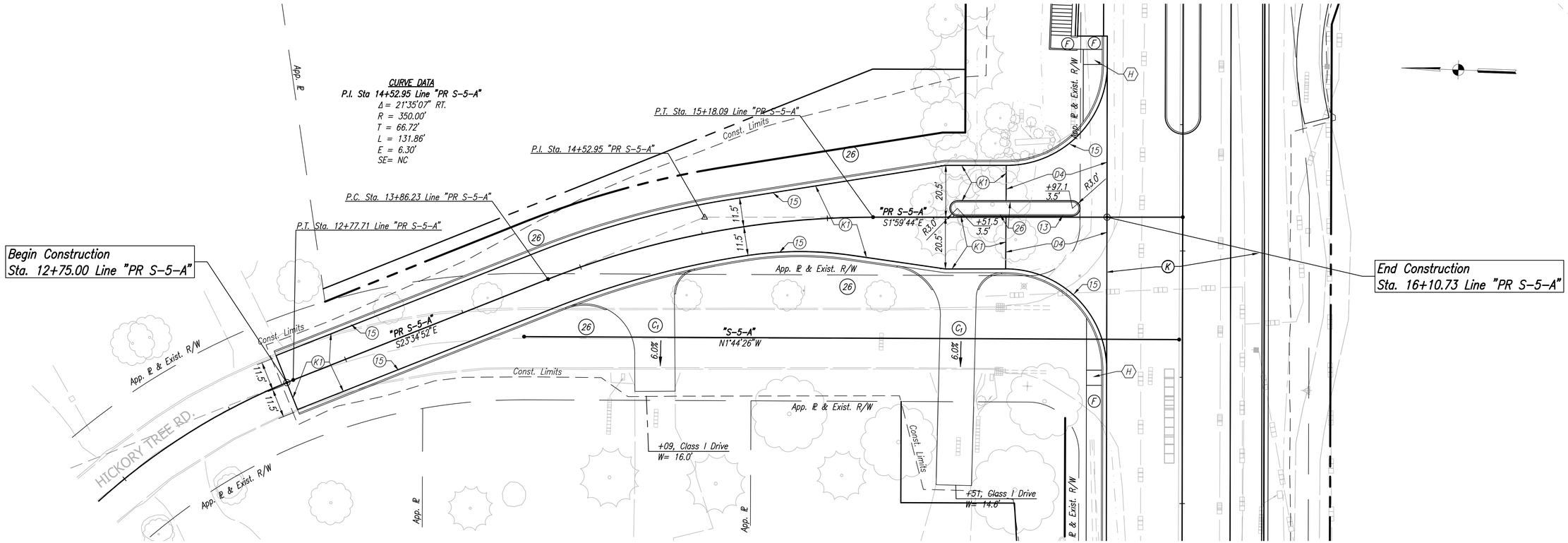
DESIGNED: WRC | DRAWN: JNII
CHECKED: JAR | CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
LINE "Pufferbelly Trail Connection"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
.	40 of 183
CONTRACT	PROJECT
.	.

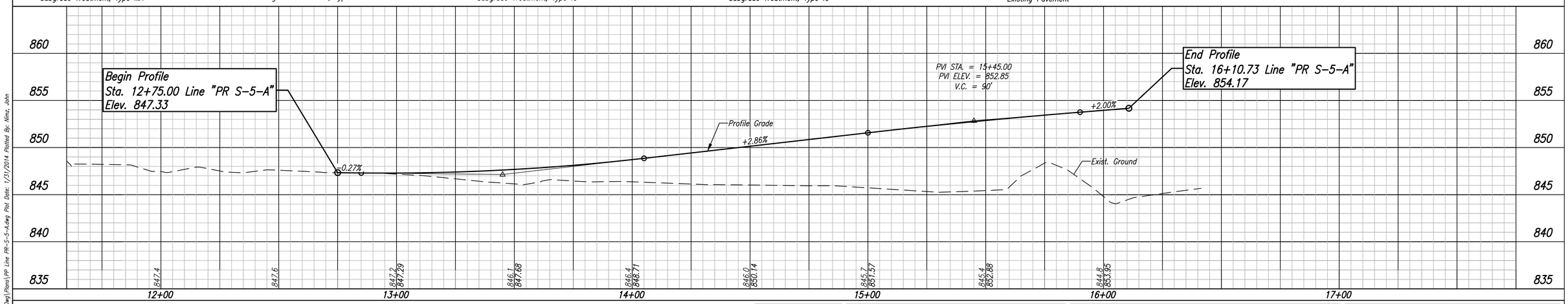
File Name: P:\C30\11-401\Road\Dwg\Plans\PP Trails.dwg Plot Date: 1/31/2014 Plotted By: Nimz, John



LEGEND

- (A1) Reinforced Concrete Moment Slab, 12"
- (A2) 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Intermediate, 19.0mm on Reinforced Concrete Moment Slab, 12"
- (C1) PCCP for Approaches, 6" on Subgrade Treatment, Type IIIA
- (C2) PCCP for Approaches, 9" on Subgrade Treatment, Type IIIA
- (D2) HMA For Approaches 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm on Subgrade Treatment, Type IC
- (D4) HMA For Approaches 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 385#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on Subgrade Treatment, Type IIIA
- (F) Sidewalk, Concrete, 4"
- (G) 140#/sys HMA Surface Type A on 220#/sys HMA Intermediate Type A on 6" Compacted Aggregate No. 53, Base on Subgrade Treatment, Type IIIA (6" Coarse Aggregate No. 53)
- (K) 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (2 Lifts) on Subgrade Treatment, Type IC
- (K1) 165 #/sys QC/QA-HMA, 1, 70, Surface, 9.5mm on 275 #/sys QC/QA-HMA 1, 70, Intermediate, 19.0mm on 6" Compacted Aggregate No. 53 Base (in 2 Lifts) on Subgrade Treatment, Type IC
- (O) 6" Compacted Aggregate, No. 73
- (P) Full Depth HMA Patching 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (in 2 Lifts) on Subgrade Treatment, Type IC
- (R) Milling, Asphalt 1.5" then 165#/sys QC/QA-HMA, 3, 70, Surface 9.5mm on Existing Pavement
- (R1) Mill and Variable Depth Resurface 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5mm on 275#/sys QC/QA-HMA, 3, 70, Inter, 19.0mm on 660#/sys QC/QA-HMA, 3, 64, Base, 19.0mm (2 Lifts) on Subgrade Treatment, Type IC
- (R2) Approach Milling, Asphalt 1.5" then 165#/sys QC/QA-HMA, 3, 70, Surface 9.5mm on Existing Pavement
- HMA For Structure Installation
- (3) Concrete Railing, Type PF-1
- (4) Modified Concrete Railing, Type PF-1
- (13) Curb, Concrete
- (15) Combined Concrete Curb and Gutter
- (22) Concrete Center Curb, Type D
- (26) Nursery Sodding
- Concrete Curb Ramp, Type _

Note: Refer to Drainage Construction Detail Sheets for Topography Station Offset Callouts, Right-of-Way Information, and Drainage Details. Line "PR-S-5-A" to be constructed.



UNITED Consulting
1625 N. Post Road
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Fax 317-895-2596
www.ucindy.com

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

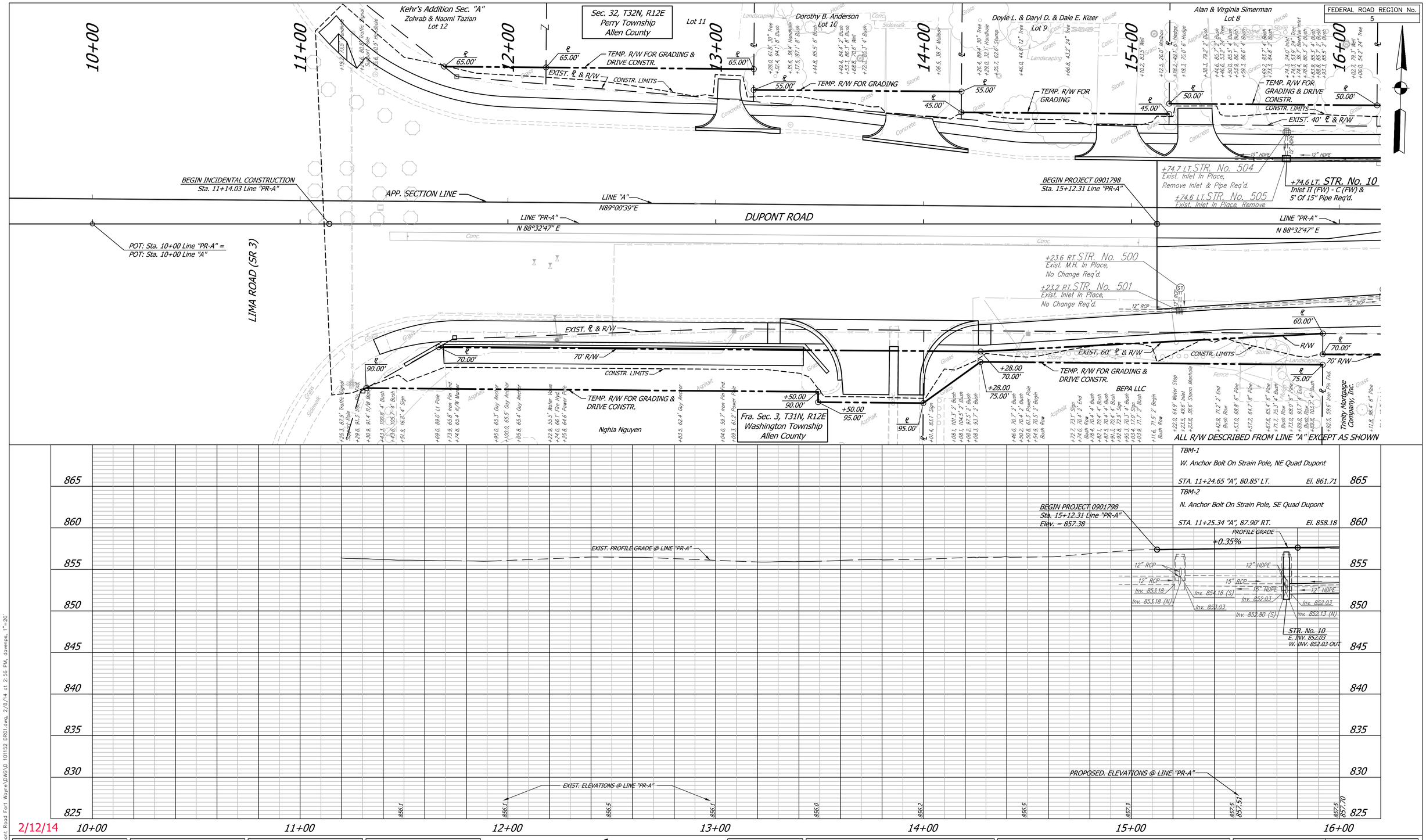
DESIGNED: WDN | DRAWN: MAC
CHECKED: JAR | CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE "PR-S-5-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
.	41 of 183
CONTRACT	PROJECT
.	.

File Name: P:\C30\11-401\Road\Dwg\Plans\PP Line PR-S-5-A.dwg Plot Date: 1/31/2014 Plotted By: Nimz, John



2/12/14

P:\FTW\2011\0101152.00 Dupont Road Fort Wayne\DWG\D 101152 DR01.dwg, 2/8/14 at 2:56 PM, dovenps, 1"=20'

gai consultants
1502 Magnavox Way
Fort Wayne, Indiana 46804
Tel: (260)969-8800 Fax: (260)969-8888
www.gaiconsultants.com

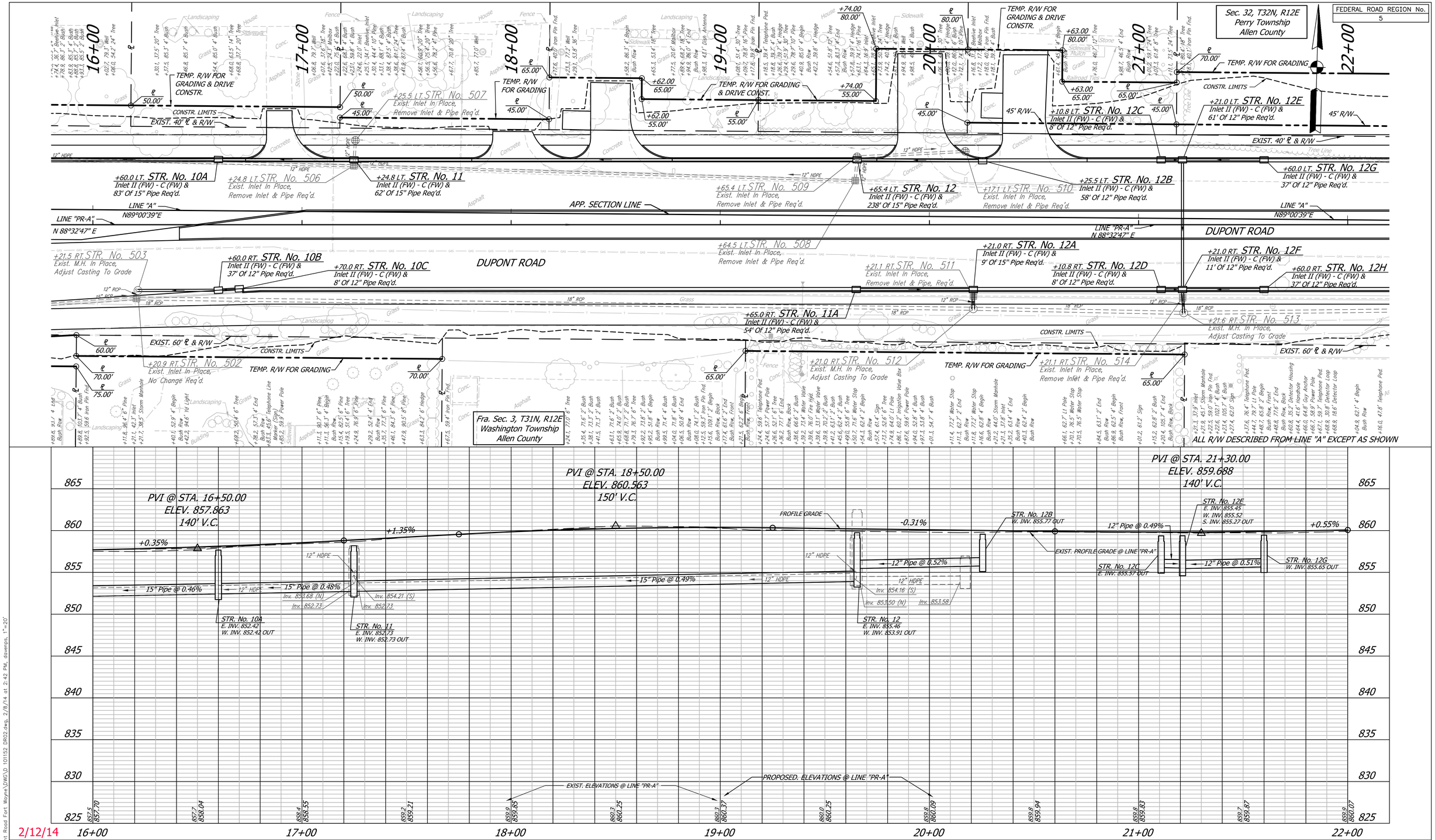
RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: MJS | DRAWN: KTH
CHECKED: MDY | CHECKED: MJS

INDIANA DEPARTMENT OF TRANSPORTATION

DRAINAGE CONSTRUCTION DETAIL
LINES "A" & "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
	47 of 183
CONTRACT	PROJECT
R-34815	0901798



2/12/14

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www.gaiconsultants.com

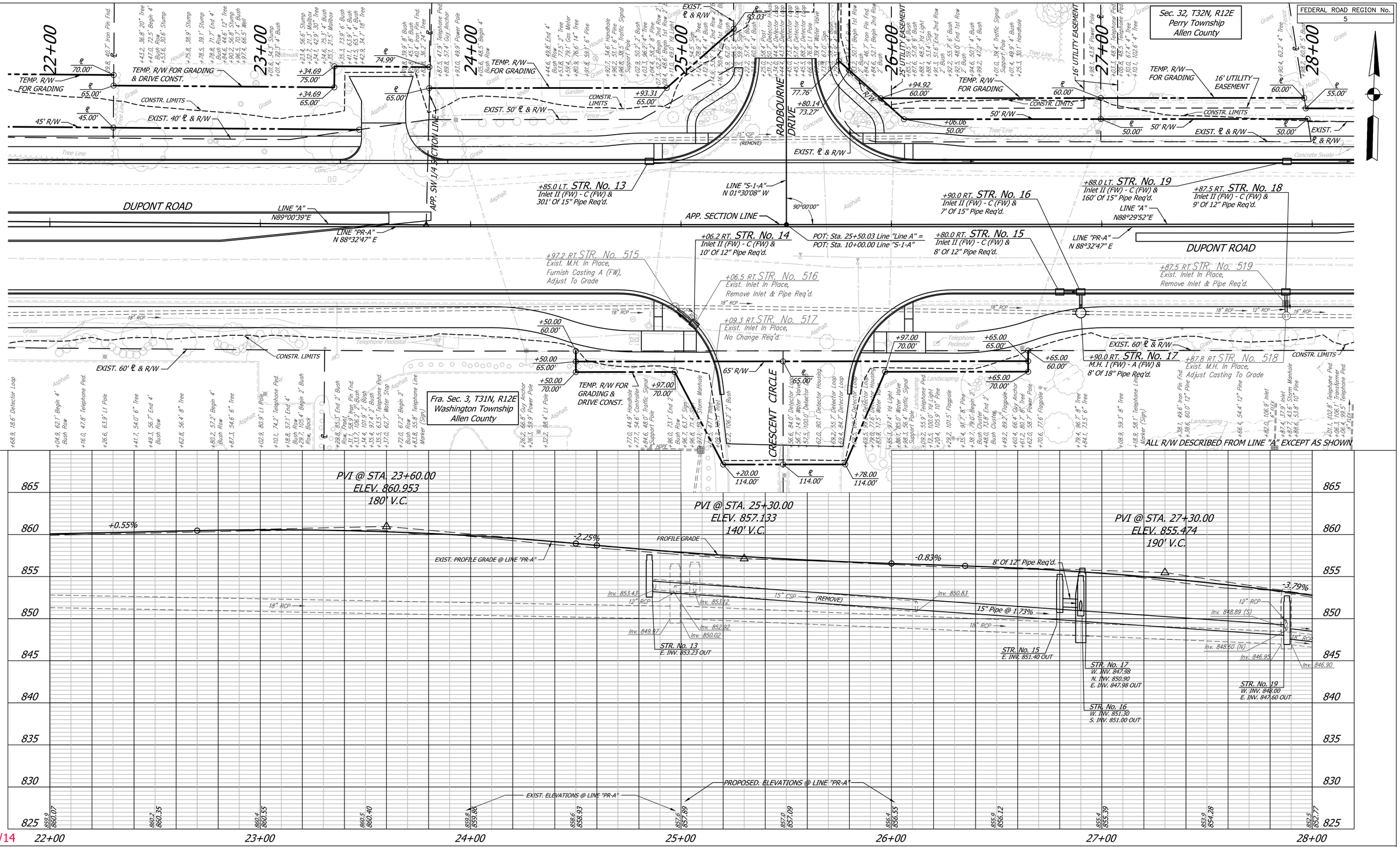
RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: MJS | DRAWN: KTH
CHECKED: MDY | CHECKED: MJS

INDIANA DEPARTMENT OF TRANSPORTATION

DRAINAGE CONSTRUCTION DETAIL
LINES "A" & "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
	48 of 183
CONTRACT	PROJECT
R-34815	0901798



2/12/14

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gai consultants
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www.gaiconsultants.com

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

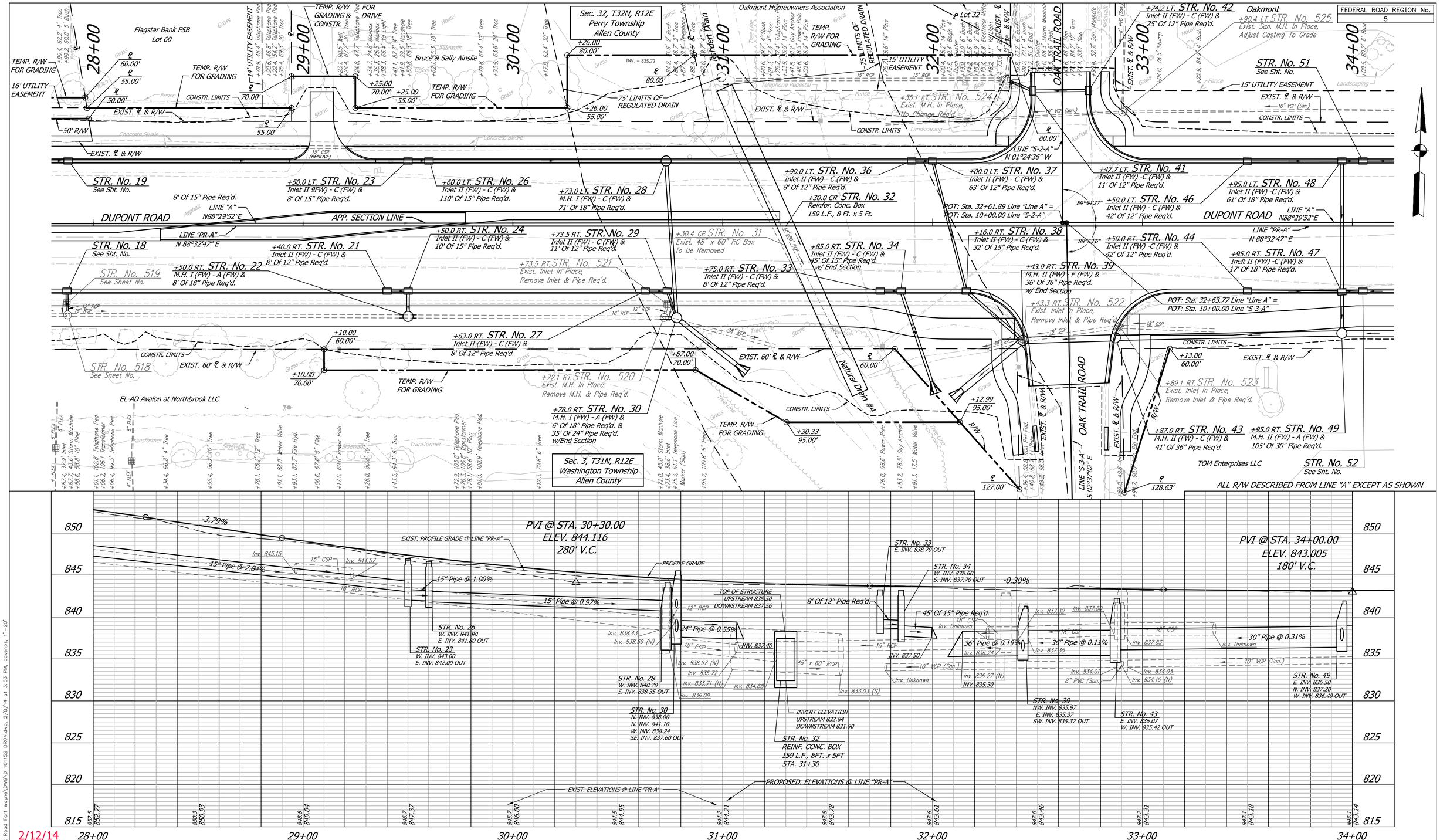
DESIGNED: F.M.M. DRAWN: P.L.B.

CHECKED: . CHECKED:

INDIANA DEPARTMENT OF TRANSPORTATION

DRAINAGE CONSTRUCTION DETAIL
LINES "A" & "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
	49 of 183
CONTRACT	PROJECT
R-34815	0901798



RECOMMENDED
FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: F.M.M. DRAWN: P.L.B.
CHECKED: . CHECKED:

gai consultants
1502 Magnavox Way
Fort Wayne, Indiana 46804
Tel: (260)969-8800 Fax: (260)969-8888
www.gaiconsultants.com

INDIANA DEPARTMENT OF TRANSPORTATION

DRAINAGE CONSTRUCTION DETAIL
LINES "A" & "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
	50 of 183
CONTRACT	PROJECT
R-34815	0901798

P:\FTW\2011\0101152.00 Dupont Road Fort Wayne\DWG\D 101152 DR04.dwg, 2/8/14 at 3:53 PM, dvenpis, 1"=20'

FEDERAL ROAD REGION No. 5

Sec. 32, T32N, R12E
Perry Township
Allen County

Frac. Sec. 2, T31N, R12E
Washington Township
Allen County

OAK TREE ROAD

DUPONT ROAD

LINE "A" N88°29'52"E

LINE "PR-A" N 88°32'47" E

LINE "A" N 88°39'06" E

LINE "PR-A" N 88°28'27" E

LINE "S-4-A" N 01°25'14" W

APP. SECTION LINE

POT: Sta. 36+26.91 Line "Line A" = POT: Sta. 10+00.00 Line "S-4-A"

89°55'40"

PI STA. 35+01.30 "PR-A"
Δ = 0°04'21"

FC: 34+51.30 "PR-A"

PT: 35+51.30 "PR-A"

+31.3 LT. STR. No. 527
Exist. San. M.H. In Place,
No Change Req'd.

+40.5 LT. STR. No. 526
Exist. San. M.H. In Place,
No Change Req'd.

+42.3 LT. STR. No. 528
Exist. San. M.H. In Place,
No Change Req'd.

+98.0, 48' LT. STR. No. 63
Inlet IV (FW) - F (FW) &
18' Of 18" Pipe &
16' Of 15" Pipe Req'd.
w/ End Section

+42.0 LT. STR. No. 64
Inlet II (FW) - C (FW) &
42' Of 18" Pipe Req'd.

+50.0, 47' LT. STR. No. 65
Inlet IV (FW) - F (FW) &
6' Of 15" Pipe Req'd.

+85.0 LT. STR. No. 74
Inlet II (FW) - C (FW) &
53' Of 12" Pipe Req'd.

+05.0 LT. STR. No. 51
Inlet II (FW) -C (FW) &
8' Of 12" Pipe Req'd.

+50.0 LT. STR. No. 53
Inlet II (FW) -C (FW) &
43' Of 12" Pipe Req'd.

+85.0 LT. STR. No. 62
M.H. II (FW) - B (FW) &
61' Of 24" Pipe Req'd.

+85.0 LT. STR. No. 68
Inlet II (FW) - C (FW) &
53' Of 15" Pipe Req'd.

STR. No. 48
See Sht. No.

+05.0 RT. STR. No. 52
Inlet II (FW) - C (FW) &
8' Of 12" Pipe Req'd.

+50.0 RT. STR. No. 54
Inlet II (FW) - C (FW) &
43' Of 12" Pipe Req'd.

+44.9 LT. STR. No. 57
Inlet II (FW) - C (FW) &
37' Of 12" Pipe Req'd.

+85.0 RT. STR. No. 61
Inlet II (FW) - C (FW) &
16' Of 24" Pipe Req'd.

+70.0 RT. STR. No. 58
Inlet II (FW) -C (FW) &
13' Of 12" Pipe Req'd.

STR. No. 47
See Sht. No.

STR. No. 49
See Sht. No.

+00.0 RT. STR. No. 56
Inlet II (FW) - C (FW) &
48' Of 12" Pipe Req'd.

+80.0 RT. STR. No. 59
M.H. II (FW) - A (FW) &
182' Of 30" Pipe Req'd.

+05.0 RT. STR. No. 69
Inlet II (FW) - C (FW) &
18' Of 12" Pipe Req'd.

+85.0, 24' RT. STR. No. 67
M.H. I (FW) - A (FW) &
105' Of 24" Pipe Req'd.

+85.0 RT. STR. No. 66
Inlet II (FW) - C (FW) &
4' Of 15" Pipe Req'd.

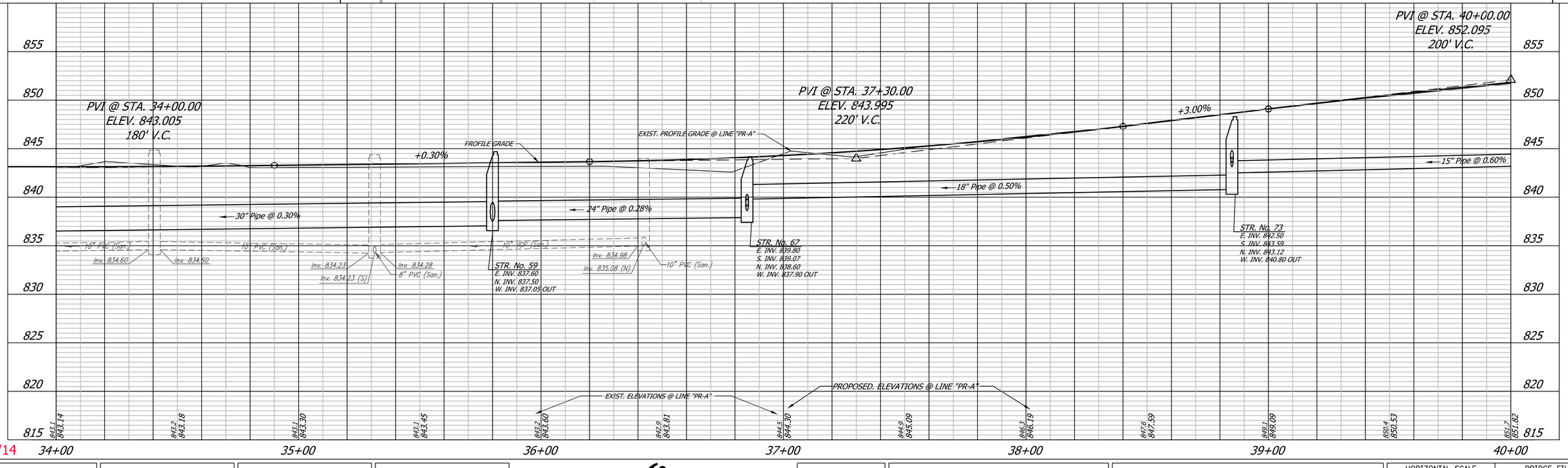
+65.0 RT. STR. No. 71
Inlet II (FW) - C (FW) &
17' Of 12" Pipe Req'd.

+85.0, 24' RT. STR. No. 73
M.H. I (FW) - A (FW) &
197' Of 18" Pipe Req'd.

+85.0 RT. STR. No. 72
Inlet II (FW) - C (FW) &
4' Of 15" Pipe Req'd.

CURVE DATA
P.I. STA. 35+01.30 "PR-A"
Δ = 0°04'21"
R = 79100.00'
T = 50.00'
L = 100.00'
E = 0.02'
S/E = NORMAL CROWN

ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN



2/12/14

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gai consultants
1502 Magnavox Way
Fort Wayne, Indiana 46804
Tel: (260)969-8800 Fax: (260)969-8888
www.gaiconsultants.com

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

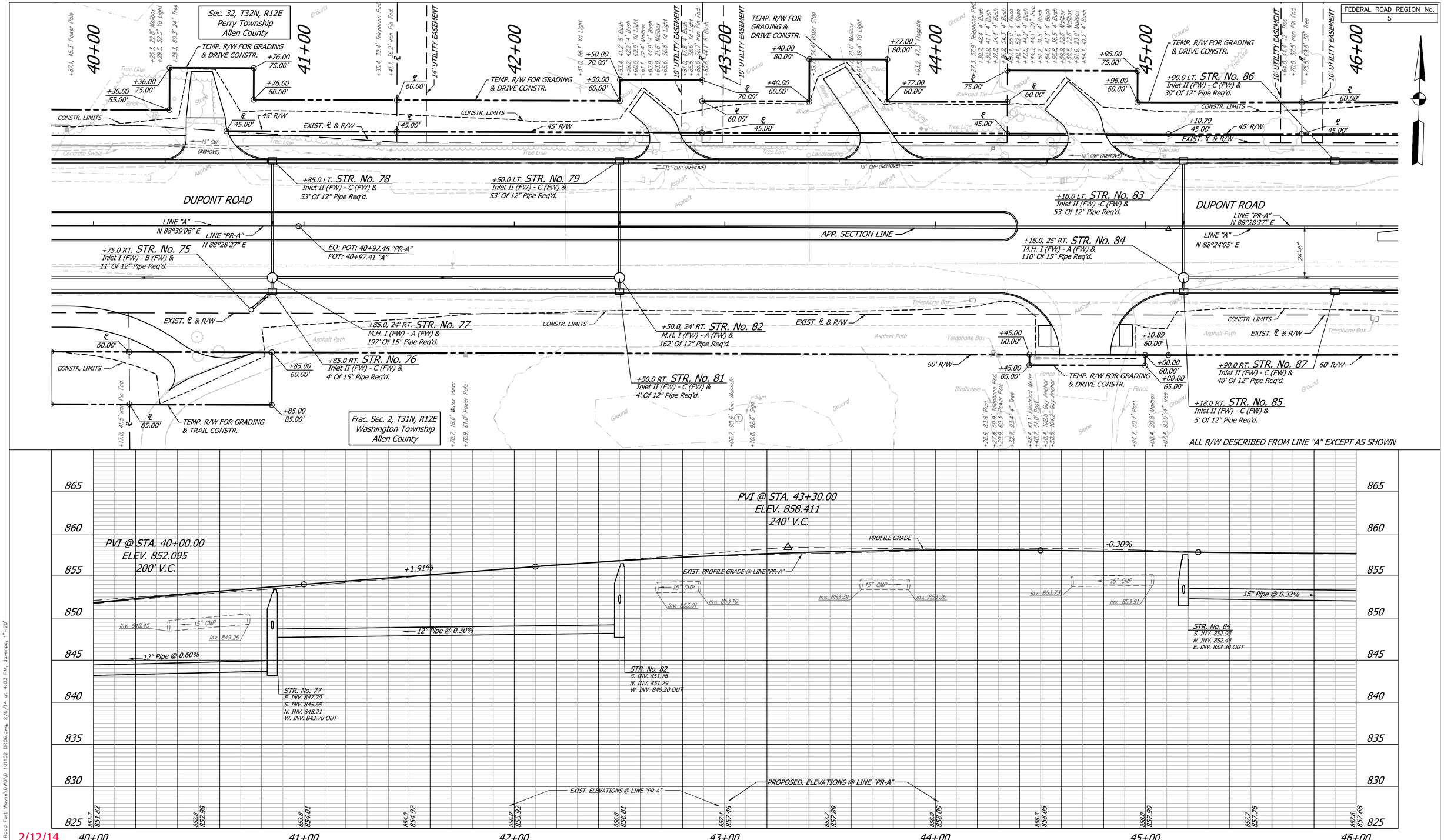
DESIGNED: F.M.M. DRAWN: P.L.B.

CHECKED: . CHECKED:

INDIANA
DEPARTMENT OF TRANSPORTATION

DRAINAGE CONSTRUCTION DETAIL
LINES "A" & "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
	51 of 183
CONTRACT	PROJECT
R-34815	0901798



2/12/14

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gai consultants
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Fort Wayne, Indiana 46804
Tel: (260)969-8800 Fax: (260)969-8888
www.gaiconsultants.com

RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: F.M.M. DRAWN: P.L.B.
CHECKED: . CHECKED:

INDIANA DEPARTMENT OF TRANSPORTATION

DRAINAGE CONSTRUCTION DETAIL
LINES "A" & "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
	52 of 183
CONTRACT	PROJECT
R-34815	0901798

FEDERAL ROAD REGION No. 5

Sec. 32, T32N, R12E
Perry Township
Allen County

Sec. 33, T32N, R12E
Perry Township
Allen County

Foxwood 1st Add.

46+00 47+00 48+00 49+00 50+00 51+00 52+00

10' UTILITY EASEMENT

TEMP. R/W FOR GRADING & DRIVE CONSTR.

+32.0 LT. STR. No. 89
Inlet II (FW) - C (FW) & 53' Of 15" Pipe Req'd.

+40.0 LT. STR. No. 96
Inlet I (FW) -B (FW) & 20' Of 12" Pipe Req'd.

+10.0 LT. STR. No. 104
Inlet I (FW) - B (FW) & 20' Of 12" Pipe Req'd.

10' UTILITY EASEMENT

14' UTILITY EASEMENT

APPARENT SECTION LINE

CONSTR. LIMITS

45' R/W

EXIST. ℄ & R/W

STR. No. 86
See Sht. No.

+22.0 LT. STR. No. 88
Inlet II (FW) - C (FW) & 7' Of 15" Pipe Req'd.

+50.0 LT. STR. No. 99
Inlet II (FW) - C (FW) & 53' Of 12" Pipe Req'd.

+60.0 LT. STR. No. 94
Inlet II (FW) - C (FW) & 26' Of 12" Pipe Req'd.

+50.0 LT. STR. No. 101
Inlet II (FW) - C (FW) & 53' Of 12" Pipe Req'd.

+10.0 LT. STR. No. 105
Inlet II (FW) - C (FW) & 60' Of 12" Pipe Req'd.

+40.0 LT. STR. No. 108
Inlet II (FW) - C (FW) & 53' Of 12" Pipe Req'd.

15" CMP (REMOVE)

LINE "PR-A" N 88°28'27" E

LINE "A" N 88°24'05" E

APP. SECTION LINE

+32.0, 24' RT. STR. No. 92
M.H. I (FW) - A (FW) & 114' Of 18" Pipe Req'd.

+60.0 RT. STR. No. 95
Inlet II (FW) - C (FW) & 26' Of 12" Pipe Req'd.

+40.0, 24' RT. STR. No. 106
M.H. I (FW) - A (FW) & 61' Of 24" Pipe Req'd. w/End Section

+40.0, 25' RT. STR. No. 107
M.H. I (FW) - A (FW) & 116' Of 12" Pipe Req'd.

Concrete Swale

STR. No. 87
See Sht. No.

+50.0, 24' RT. STR. No. 102
M.H. I (FW) - A (FW) & 87' Of 18" Pipe Req'd.

+30.00 60.00'

18" CMP (REMOVE)

+32.0 RT. STR. No. 91
Inlet I (FW) - B (FW) & 4' Of 15" Pipe Req'd.

+32.0 RT. STR. No. 93
Inlet II (FW) - C (FW) & 4' Of 15" Pipe Req'd.

60' R/W

+50.0, 24' RT. STR. No. 97
M.H. I (FW) - A (FW) & 97' Of 18" Pipe Req'd.

+50.0 RT. STR. No. 98
Inlet II (FW) - C (FW) & 4' Of 12" Pipe Req'd.

+50.0 RT. STR. No. 103
Inlet II (FW) - C (FW) & 4' Of 12" Pipe Req'd.

PERPETUAL HIGHWAY EASEMENT FOR DRAINAGE

Frac. Sec. 2, T31N, R12E
Washington Township
Allen County

+40.0 RT. STR. No. 109
Inlet II (FW) - C (FW) & 4' Of 12" Pipe Req'd.

+50.0 RT. STR. No. 111
Inlet I (FW) - B (FW) & 11' Of 12" Pipe Req'd.

ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN

PVI @ STA. 46+50.00
ELEV. 857.452
250' V.C.

-0.30%

+0.40%

PROFILE GRADE

EXIST. PROFILE GRADE @ LINE "PR-A"

PVI @ STA. 51+20.00
ELEV. 859.332
300' V.C.

-1.33%

15" Pipe @ 0.16%

18" Pipe @ 0.30%

18" Pipe @ 0.40%

18" Pipe @ 0.44%

24" Pipe 0.48%

12" Pipe @ 0.33%

STR. No. 92
W. INV. 851.94
S. INV. 852.67
N. INV. 852.04
E. INV. 851.65 OUT

STR. No. 97
W. INV. 851.30
S. INV. 852.92
N. INV. 853.40
E. INV. 851.10 OUT

STR. No. 102
W. INV. 850.70
S. INV. 853.30
N. INV. 852.81
E. INV. 850.40 OUT

STR. No. 106
W. INV. 850.00
NW. INV. 853.00
SE. INV. 849.60 OUT

STR. No. 107
S. INV. 853.64
N. INV. 853.14
E. INV. 852.30 OUT

INV. 849.30

EXIST. ELEVATIONS @ LINE "PR-A"

PROPOSED. ELEVATIONS @ LINE "PR-A"

2/12/14

P:\FTW\2011\D101152.00 Dupont Road Fort Wayne\DWG\D 101152 DR07.dwg, 2/8/14 at 4:10 PM, dovenps, 1"=20'

gai consultants
1502 Magnavox Way
Fort Wayne, Indiana 46804
Tel: (260)969-8800 Fax: (260)969-8888
www.gaiconsultants.com

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: F.M.M. DRAWN: P.L.B.

CHECKED: . CHECKED:

INDIANA DEPARTMENT OF TRANSPORTATION

DRAINAGE CONSTRUCTION DETAIL
LINES "A" & "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
	53 of 183
CONTRACT	PROJECT
R-34815	0901798

FEDERAL ROAD REGION No. 5

Sec. 33, T32N, R12E
Perry Township
Allen County

52+00 53+00 54+00 55+00 56+00 57+00 58+00

+95.00 70.00' +30.00 70.00' +95.00 55.00' +30.00 65.00' +00.00 65.00'

TEMP. R/W FOR GRADING & DRIVE CONSTR.

CONSTR. LIMITS

EXIST. ℄ & R/W

45' R/W

℄ 45.00' ℄ 65.00' ℄ 55.00' ℄ 45.00' ℄ 55.00' ℄ 45.00'

+85.0 LT. STR. No. 123
Inlet II (FW) - C (FW) & 8' Of 12" Pipe Req'd.

+95.0 LT. STR. No. 124
Inlet II (FW) - C (FW) & 23' Of 12" Pipe Req'd.

14' UTILITY EASEMENT

20' UTILITY EASEMENT

18" CMP (REMOVE)

+60.0 LT. STR. No. 113
Inlet II (FW) - C (FW) & 53' Of 12" Pipe Req'd.

+80.0 LT. STR. No. 116
Inlet II (FW) - C (FW) & 53' Of 12" Pipe Req'd.

+00.0 LT. STR. No. 121
Inlet II (FW) -C (FW) & 53' Of 12" Pipe Req'd.

15" CMP (REMOVE)

+21.0 LT. STR. No. 125
Inlet II (FW) - C (FW) & 7' Of 12" Pipe Req'd.

+31.0 LT. STR. No. 127
M.H. I (FW) -C (FW) & 52' Of 15" Pipe Req'd.

+75.0 LT. STR. No. 131
Inlet II (FW) - C (FW) & 41' Of 12" Pipe Req'd.

STR. No. 135
See Sht. No.

LINE "PR-A" N88°28'27"E

DUPONT ROAD

APP. SECTION LINE

LINE "A" N88°24'05"E

LINE "A" N88°12'50"E

+31.0, 24' RT. STR. No. 128
M.H. I (FW) - A (FW) & 3' Of 24" Pipe Req'd.

PC: 56+70.66 "PR-A"

LINE "PR-A" N88°07'10"E

STR. No. 133
See Sht. No.

PT: 57+70.67 "PR-A"

PI STA. 57+20.67 "PR-A"

Concrete Swale

+00.0, 24' RT. STR. No. 118
M.H. I (FW) - A (FW) & 128' Of 15" Pipe Req'd.

+60.00 60.00'

STR. No. 134
See Sht. No.

60' R/W

+60.0, 24' RT. STR. No. 112
M.H. I (FW) - A (FW) & 117' Of 12" Pipe Req'd.

+60.0 RT. STR. No. 114
Inlet II (FW) - C (FW) & 4' Of 12" Pipe Req'd.

+80.0, 24' RT. STR. No. 115
M.H. I (FW) - A (FW) & 117' Of 15" Pipe Req'd.

+80.0 RT. STR. No. 117
Inlet II (FW) - C (FW) & 4' Of 12" Pipe Req'd.

Frac. Sec. 2, T31N, R12E
Washington Township
Allen County

+80.0 RT. STR. No. 122
Inlet II (FW) - C (FW) & 39' Of 12" Pipe Req'd.

+00.0 RT. STR. No. 119
Inlet II (FW) - C (FW) & 4' Of 12" Pipe Req'd.

+21.0 RT. STR. No. 126
Inlet II (FW) -C (FW) & 7' Of 12" Pipe Req'd.

+31.0 RT. STR. No. 129
M.H. I (FW) - C (FW) & 90' Of 24" Pipe Req'd. w/ End Section

PERPETUAL HIGHWAY EASEMENT FOR DRAINAGE

+90.00 60.00'

+80.0 RT. STR. No. 132
Inlet II (FW) - C (FW) & 46' Of 12" Pipe Req'd.

CURVE DATA
P.I. STA. 57+20.67 "PR-A"
Δ = 0°21'17"
R = 16160.00'
T = 50.01'
L = 100.02'
E = 0.08'
S/E = NORMAL CROWN

ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN

PROFILE GRADE

EXIST. PROFILE GRADE @ LINE "PR-A"
-1.33%

PVI @ STA. 55+90.00
ELEV. 853.068
190' V.C.

+0.53%

12" Pipe @ 0.33%

12" Pipe @ 0.60%

15" Pipe @ 0.67%

15" Pipe @ 0.67%

18" Pipe @ 0.30%

Inv. 850.24 15" CMP Inv. 849.85

Inv. 845.86 18" CMP

STR. No. 112
W. INV. 851.90
N. INV. 852.04
S. INV. 852.54
E. INV. 851.00 OUT

STR. No. 115
W. INV. 850.30
N. INV. 850.44
S. INV. 850.94
E. INV. 849.50 OUT

STR. No. 118
W. INV. 848.70
N. INV. 848.84
S. INV. 849.34
E. INV. 848.30 OUT

STR. No. 128
W. INV. 847.45
E. INV. 847.60
N. INV. 848.70
S. INV. 846.21 OUT

STR. No. 129
N. INV. 846.20
W. INV. 848.44
E. INV. 848.45
S. INV. 846.20 OUT

860 855 850 845 840 835 830 825 820

EXIST. ELEVATIONS @ LINE "PR-A"

857.9 858.12 857.3 857.59 856.5 856.93 856.0 856.27 855.5 855.60 854.9 854.93 854.2 854.27 853.7 853.75 853.0 853.48 852.2 853.45 851.1 853.65 849.5 853.92 848.0 854.18

PROPOSED. ELEVATIONS @ LINE "PR-A"

52+00 53+00 54+00 55+00 56+00 57+00 58+00

2/12/14

P:\FTW\2011\D101152.00 Dupont Road Fort Wayne\DWG\D 101152 DR08.dwg, 2/8/14 at 4:26 PM, dovenps, 1"=20'

gai consultants
1502 Magnavox Way
Fort Wayne, Indiana 46804
Tel: (260)969-8800 Fax: (260)969-8888
www.gaiconsultants.com

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: F.M.M. DRAWN: P.L.B.
CHECKED: . CHECKED:

INDIANA
DEPARTMENT OF TRANSPORTATION

DRAINAGE CONSTRUCTION DETAIL
LINES "A" & "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
	54 of 183
CONTRACT	PROJECT
R-34815	0901798

FEDERAL ROAD REGION No. 5

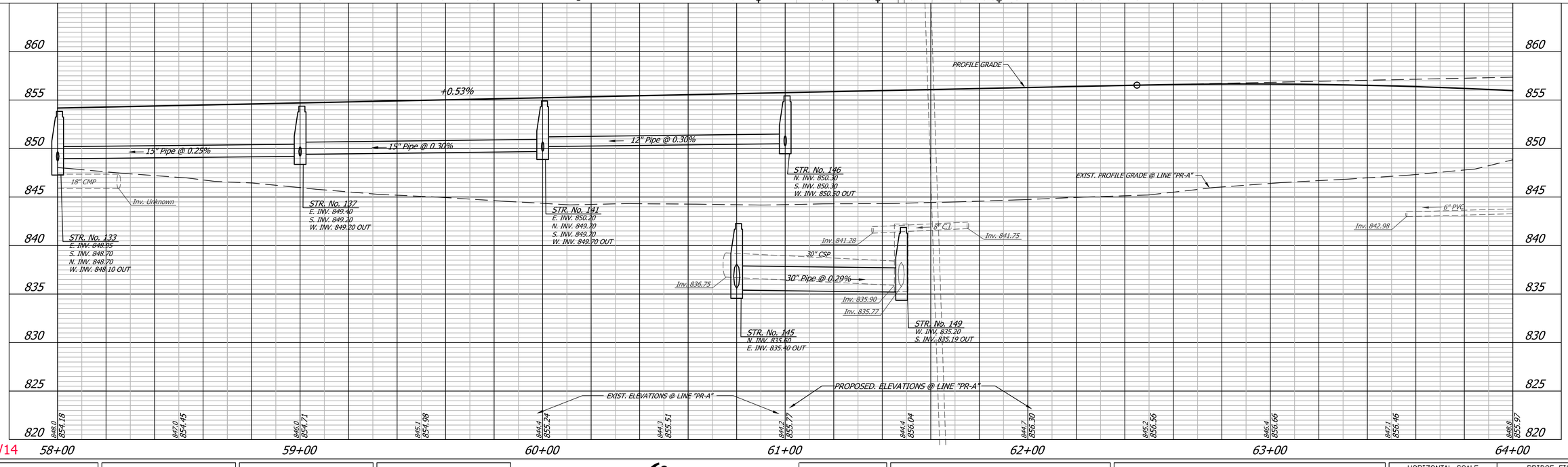
Sec. 33, T32N, R12E
Perry Township
Allen County

Frac. Sec. 2, T31N, R12E
Washington Township
Allen County

STR. No. 530 See Sheet No.
STR. No. 529 See Sheet No.
STR. No. 150 Inlet I (FW) - B (FW) & 127' Of 12" Pipe Req'd.
STR. No. 144 M.H. II (FW) - F (FW) & 139' Of 30" Pipe Req'd.
STR. No. 160 Inlet I (FW) - B (FW) & 25' Of 18" Pipe Req'd.
STR. No. 136 Inlet II (FW) - C (FW) & 43' Of 18" Pipe Req'd.
STR. No. 139 Inlet II (FW) - C (FW) & 135' Of 18" Pipe Req'd.
STR. No. 531A Exist. Head Wall, Remove Head Wall & Pipe Req'd.
STR. No. 148 Inlet II (FW) -C (FW) & 53' Of 12" Pipe Req'd.
STR. No. 135 Inlet II (FW) -C (FW) & 53' Of 12" Pipe Req'd.
STR. No. 143 Inlet II (FW) -C (FW) & 53' Of 12" Pipe Req'd.
STR. No. 146 M.H. I (FW) - A (FW) & 97' Of 12" Pipe Req'd.
STR. No. 137 M.H. I (FW) -A (FW) & 96' Of 15" Pipe Req'd.
STR. No. 141 M.H. I (FW) - A (FW) & 97' Of 15" Pipe Req'd.
STR. No. 145 M.H. II (FW) - A (FW) & 65' Of 30" Pipe Req'd.
STR. No. 531 Exist. M.H. In Place, Remove M.H. & Pipe to Structure 149
STR. No. 149 M.H. II (FW) - A (FW) & 9' Of 30" Pipe Req'd.
STR. No. 532 Exist. M.H. In Place, No Change Req'd.
STR. No. 533 Exist. M.H. In Place, No Change Req'd.
STR. No. 133 M.H. I (FW) - A (FW) & 166' Of 18" Pipe Req'd.
STR. No. 134 Inlet II (FW) - C (FW) & 4' Of 12" Pipe Req'd.
STR. No. 138 Inlet II (FW) -C (FW) & 4' Of 12" Pipe Req'd.
STR. No. 142 Inlet II (FW) - C (FW) & 4' Of 12" Pipe Req'd.
STR. No. 147 Inlet II (FW) -C (FW) & 4' Of 12" Pipe Req'd.

HICKORY TREE ROAD
DUPONT ROAD
LINE "A" N88°12'50"E
LINE "PR-A" N88°07'10"E
LINE "S-5-A" N 01°44'26" W
LINE "PR S-5-A"
APP. SECTION LINE
APP. NW 1/4 SECTION LINE
20' DRAINAGE EASEMENT
20' UTILITY EASEMENT
45' R/W
60' R/W
85' R/W
EXIST. ℄ & R/W
TEMP. R/W FOR GRADING
TEMP. R/W FOR GRADING & DRIVE CONSTR.
CONSTR. LIMITS
80' R/W CONSTR. LIMITS
EQ: POT 59+13.38 "PR-A" POT 16+40.75 "PR S-5-A"
POT: Sta. 58+64.83 Line "Line A" = POT: Sta. 10+00.00 Line "S-5-A"
58+00
59+00
60+00
61+00
62+00
63+00
64+00

ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN



2/12/14

gai consultants
1502 Magnavox Way
Fort Wayne, Indiana 46804
Tel: (260)969-8800 Fax: (260)969-8888
www.gaiconsultants.com

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: F.M.M. DRAWN: P.L.B.
CHECKED: . CHECKED:

INDIANA DEPARTMENT OF TRANSPORTATION

DRAINAGE CONSTRUCTION DETAIL
LINES "A" & "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
	55 of 183
CONTRACT	PROJECT
R-34815	0901798

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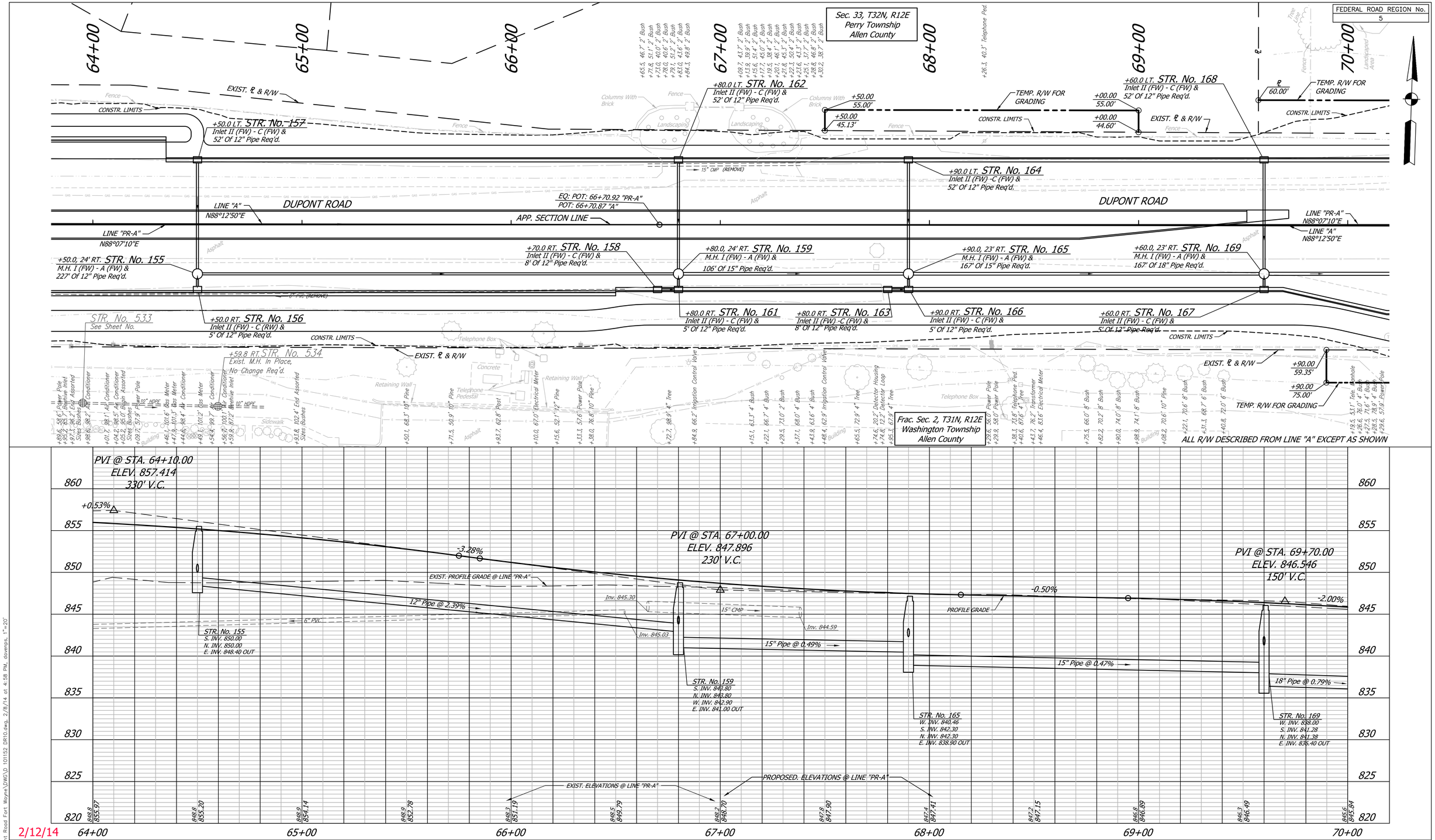

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www.gaiconsultants.com

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: MJS | DRAWN: KTH
CHECKED: MDY | CHECKED: MJS

INDIANA DEPARTMENT OF TRANSPORTATION

DRAINAGE CONSTRUCTION DETAIL
LINES "A" & "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
	56 of 183
CONTRACT	PROJECT
R-34815	0901798

P:\FTW\2011\D101152.00 Dupont Road Fort Wayne\DWG\D 101152 DR10.dwg, 2/8/14 at 4:58 PM, doverps, 1"=20'

FEDERAL ROAD REGION No. 5

Sec. 33, T32N, R12E
Perry Township
Allen County

Frac. Sec. 2, T31N, R12E
Washington Township
Allen County

ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN

+83.0 LT. STR. No. 171
Inlet I (FW) - B (FW)
5' Of 12" Pipe Req'd.
Remove 40' Of
12" Pipe South Req'd.

+07.2 LT. STR. No. 536
Exist. Inlet In Place,
Remove Inlet & Pipe Req'd.

+15.2 LT. STR. No. 173
Inlet II (FW) - C (FW) &
67' Of 12" Pipe Req'd.

+30.0, 24' RT. STR. No. 174
M.H. I (FW) - A (FW) &
126' Of 18" Pipe Req'd.

+74.7 RT. STR. No. 535
Exist. Inlet In Place,
Remove Inlet & Pipe Req'd.

+13.0 RT. STR. No. 172
Inlet II (FW) - C (FW) &
95' Of 12" Pipe Req'd.

+60.0 LT. STR. No. 175
Inlet II (FW) - C (FW) &
52' Of 12" Pipe Req'd.

+60.0, 23' RT. STR. No. 177
M.H. I (FW) - A (FW) &
187' Of 18" Pipe Req'd.

+60.0 RT. STR. No. 176
Inlet II (FW) - C -(FW) &
5' Of 12" Pipe Req'd.

+35.0 LT. STR. No. 178
Inlet II (FW) - C (FW) &
12' Of 12" Pipe Req'd.

+50.0 LT. STR. No. 181
Inlet II (FW) - C (FW) &
52' Of 12" Pipe Req'd.

+50.0, 23' RT. STR. No. 183
M.H. I (FW) - A (FW) &
177' Of 24" Pipe Req'd.

+35.0 RT. STR. No. 179
Inlet II (FW) -C (FW) &
12' Of 12" Pipe Req'd.

+50.0 RT. STR. No. 182
Inlet II (FW) - C (FW) &
5' Of 12" Pipe Req'd.

+34.7 LT. STR. No. 538
Exist. M.H. In Place,
Remove M.H. & Pipe Req'd.

+88.0 RT. STR. No. 537
Exist. M.H. In Place,
Remove M.H. & Pipe Req'd

DUPONT ROAD

DAWSONS CREEK BLVD.

LA CABREAH LANE

14' UTILITY EASEMENT

TEMP. R/W FOR GRADING

CONSTR. LIMITS

EXIST. ℄ & R/W

50' R/W

LINE "PR-A" N88°07'10"E

LINE "A" N88°12'50"E

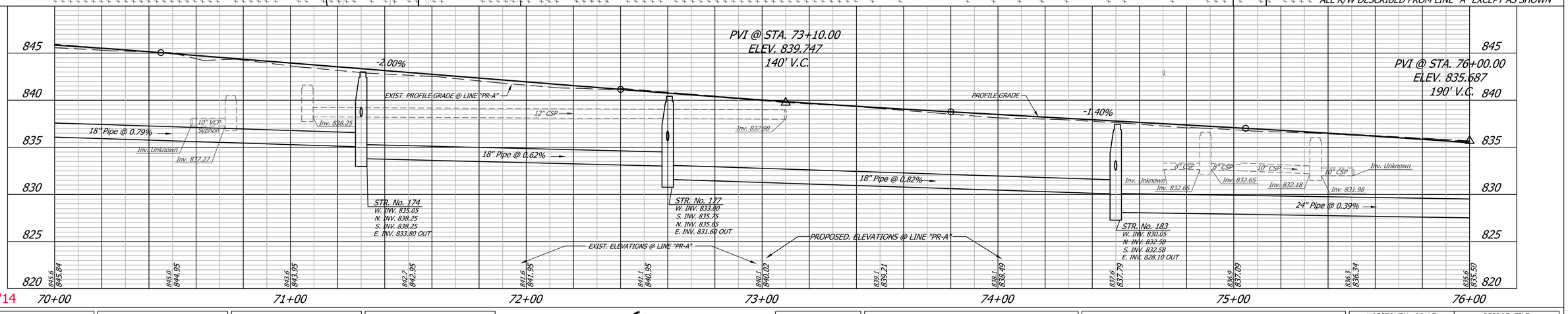
LINE "S-7-A" N 01°47'05" W

LINE "S-6-A" S 01°47'03" E

POT: Sta. 71+63.81 Line "Line A" =
POT: Sta. 10+00.00 Line "S-7-A"

POT: Sta. 71+54.51 Line "Line A" =
POT: Sta. 10+00.00 Line "S-6-A"

APP. SECTION LINE



2/12/14

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gai consultants
1502 Magnavox Way
Fort Wayne, Indiana 46804
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www.gaiconsultants.com

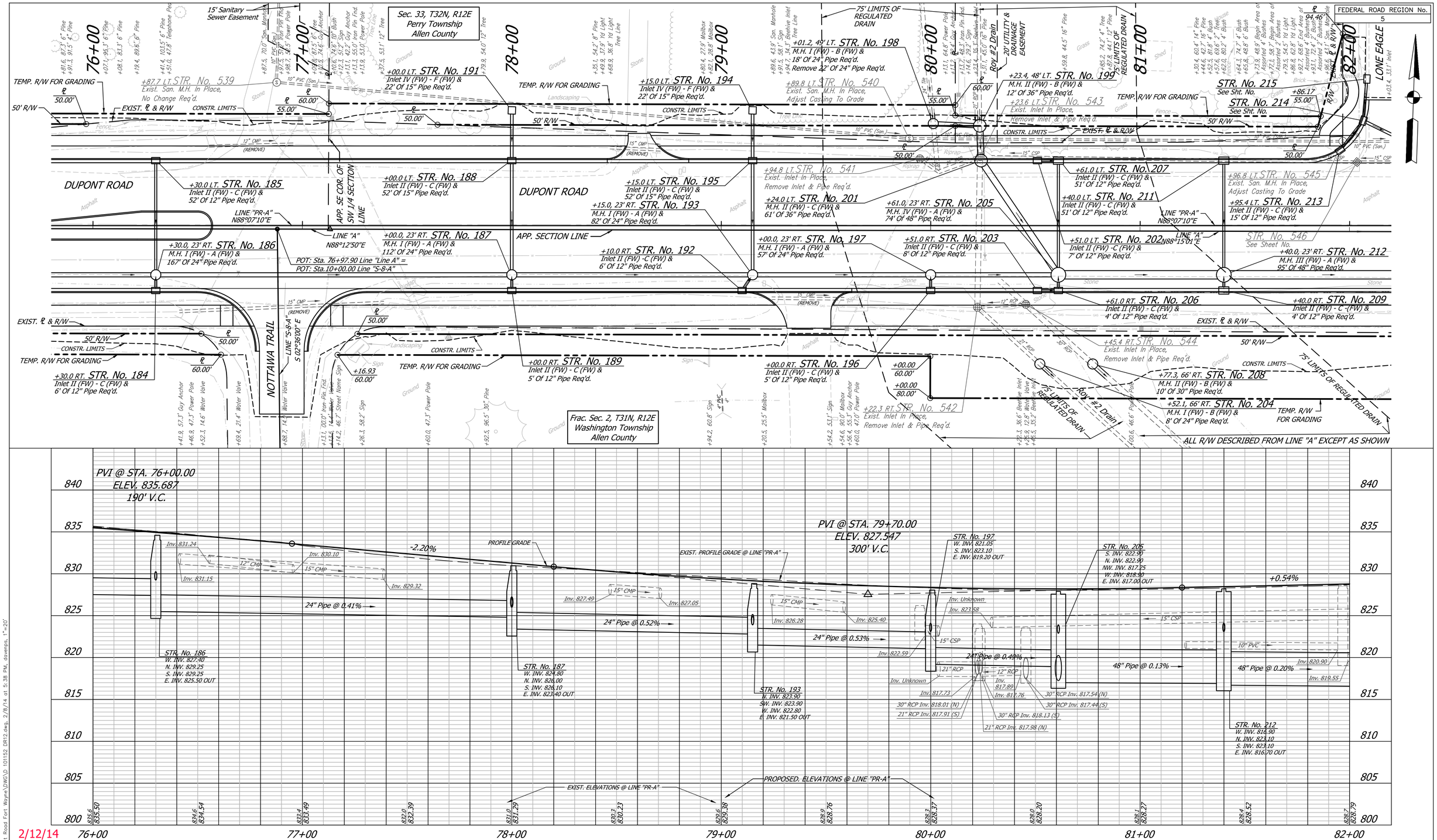
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: MJS | DRAWN: KTH
CHECKED: MDY | CHECKED: MJS

INDIANA DEPARTMENT OF TRANSPORTATION

DRAINAGE CONSTRUCTION DETAIL
LINES "A" & "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
	57 of 183
CONTRACT	PROJECT
R-34815	0901798



2/12/14

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gai consultants
1502 Magnavox Way
Fort Wayne, Indiana 46804
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www.gaiconsultants.com

RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER DATE

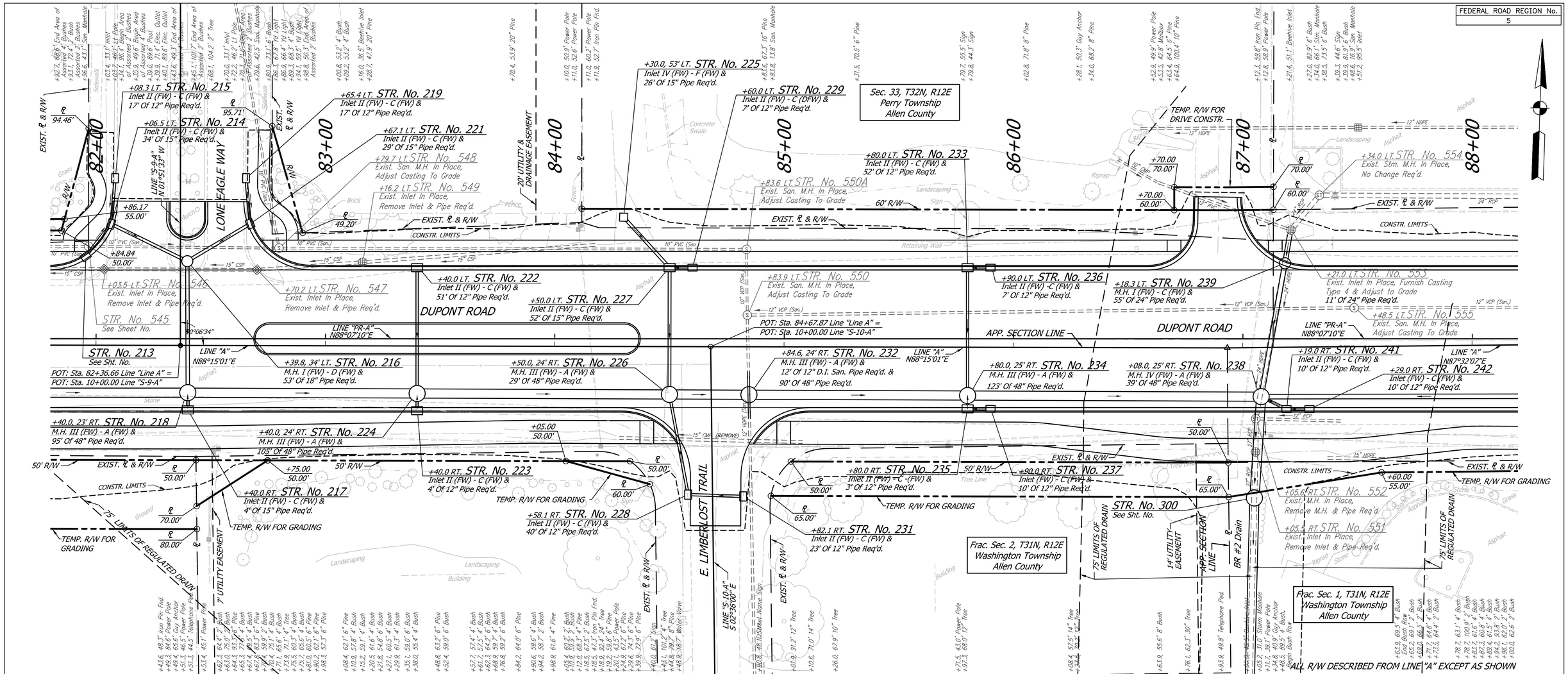
DESIGNED: F.M.M. DRAWN: P.L.B.
CHECKED: . CHECKED:

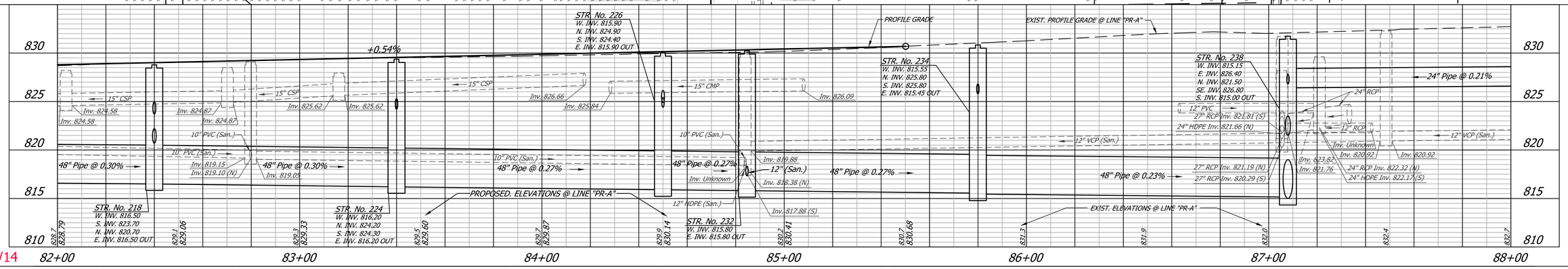
INDIANA DEPARTMENT OF TRANSPORTATION

DRAINAGE CONSTRUCTION DETAIL
LINES "A" & "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
	58 of 183
CONTRACT	PROJECT
R-34815	0901798

FEDERAL ROAD REGION No.
5





2/12/14

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gai consultants
1502 Magnavox Way
Fort Wayne, Indiana 46804
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www.gaiconsultants.com

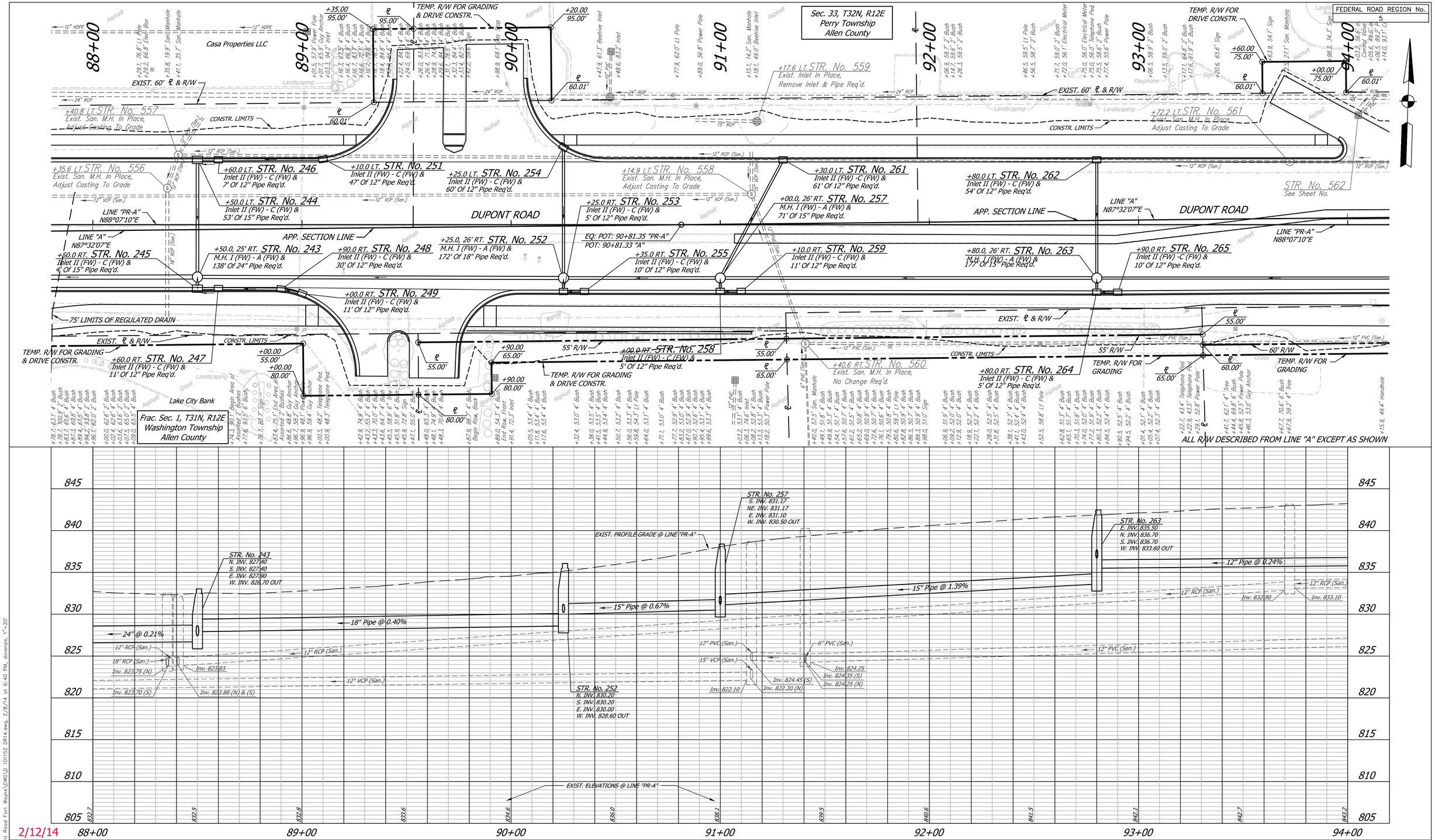
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: F.M.M. DRAWN: P.L.B.
CHECKED: . CHECKED:

INDIANA
DEPARTMENT OF TRANSPORTATION

DRAINAGE CONSTRUCTION DETAIL
LINES "A" & "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
	59 of 183
CONTRACT	PROJECT
R-34815	0901798



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gai consultants
1502 Magnavox Way
Fort Wayne, Indiana 46804
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www.gaiconsultants.com

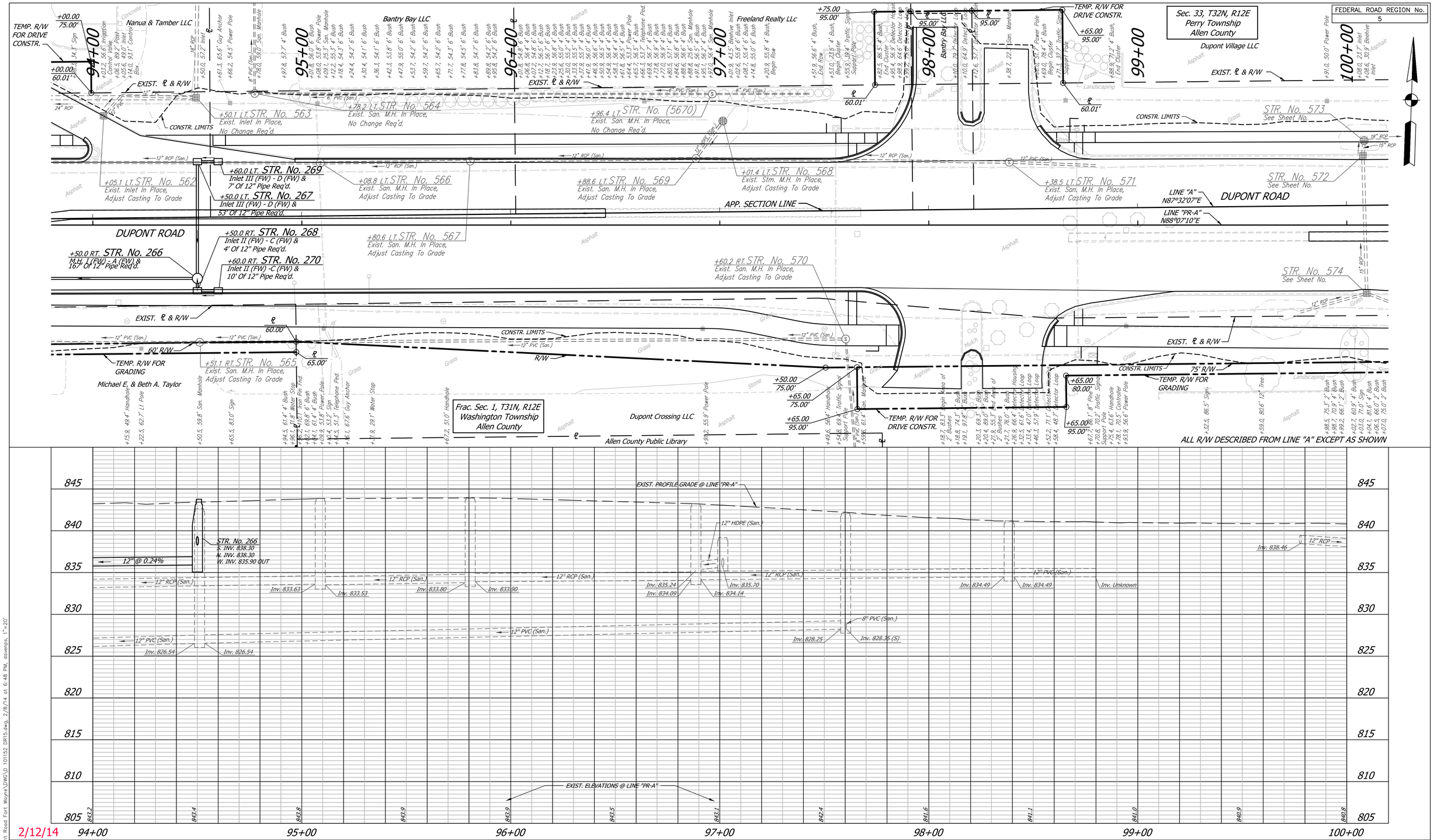
RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: F.M.M. DRAWN: P.L.B.
CHECKED: . CHECKED:

INDIANA DEPARTMENT OF TRANSPORTATION

DRAINAGE CONSTRUCTION DETAIL LINES "A" & "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
	60 of 183
CONTRACT	PROJECT
R-34815	0901798



2/12/14

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gai consultants
1502 Magnavox Way
Fort Wayne, Indiana 46804
Tel: (260)969-8800 Fax: (260)969-8888
www.gaiconsultants.com

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: F.M.M. DRAWN: P.L.B.

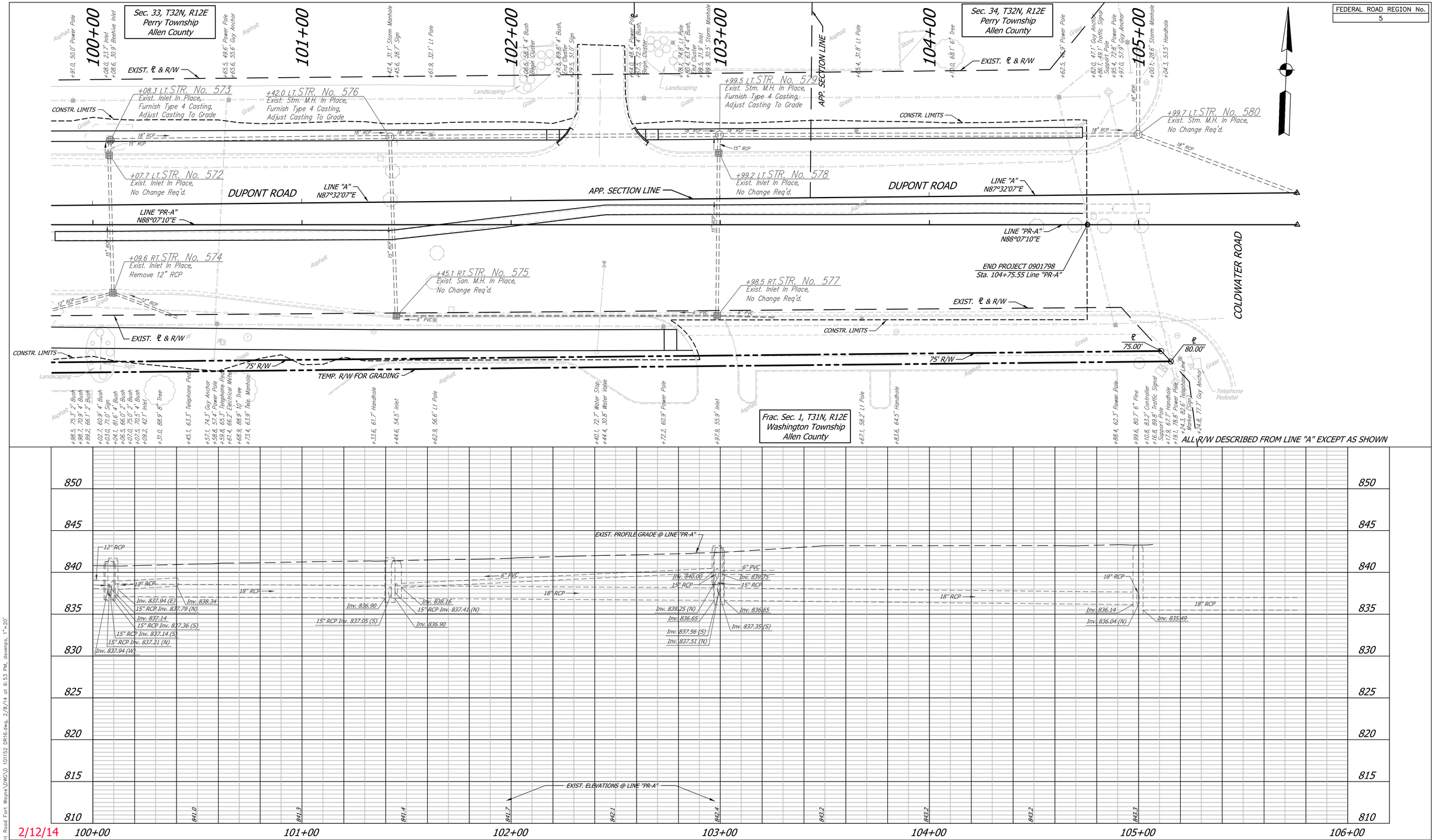
CHECKED: . CHECKED:

INDIANA DEPARTMENT OF TRANSPORTATION

DRAINAGE CONSTRUCTION DETAIL
LINES "A" & "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
	61 of 183
CONTRACT	PROJECT
R-34815	0901798

FEDERAL ROAD REGION No.
5



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gai consultants
1502 Magnavox Way
Fort Wayne, Indiana 46804
Tel: (260)969-8800 Fax: (260)969-8888
www.gaiconsultants.com

RECOMMENDED
FOR APPROVAL_____
DESIGN ENGINEER DATE

DESIGNED: F.M.M. DRAWN: P.L.B.
CHECKED: . CHECKED:

INDIANA DEPARTMENT OF TRANSPORTATION

DRAINAGE CONSTRUCTION DETAIL
LINES "A" & "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
	62 of 183
CONTRACT	PROJECT
R-34815	0901798

FEDERAL ROAD REGION No.
5

Sec. 33, T32N, R12E
Perry Township
Allen County

Woodmont Section 4
Sharon L. Miller
Lot 74

Park & Recreation Area
Woodmont Community Association

Stephen D. Swinehart &
Stephanie S. Hoffman
Lot 55

James Joseph &
Helen Jane Barva
Lot 54

Frac. Sec. 2, T31N, R12E
Washington Township
Allen County

City of Fort Wayne - Park Board

CURVE DATA
P.I. STA. 14+52.97 "PR S-5-A"
Δ = 21°35'07"
R = 350.00'
T = 66.72'
L = 131.86'
E = 6.30'
S/E = NORMAL CROWN

BEGIN CONSTRUCTION
STA. 12+75.00 "PR S-5-A"

END CONSTRUCTION
Sta. 16+40.75 Line "PR S-5-A"

P.I. STA. 14+52.97 Line "PR S-5-A"

PT: Sta. 12+74.99
Line "PR S-5-A"

PC: Sta. 13+86.25
Line "PR S-5-A"

PT: Sta. 15+18.11
Line "PR S-5-A"

+95.0 LT. STR. No. 152
Inlet II (FW) - C (FW) &
8' Of 12" Pipe Req'd.

+05.0 LT. STR. No. 151
Inlet II (FW) - C (FW) &
274' Of 15" Pipe Req'd.

+95.0 RT. STR. No. 154
Inlet II (FW) - C (FW) &
8' Of 12" Pipe Req'd.

+05.0 RT. STR. No. 153
Inlet II (FW) - C (FW) &
24' Of 12" Pipe Req'd.

+68.4 RT. STR. No. 530
Exist. Inlet In Place, Remove
Inlet & Bulkhead Pipe Req'd.

+67.9 RT. STR. No. 529
Exist. Inlet In Place, Remove
Inlet & Bulkhead Pipe Req'd.

29' Of 15" Pipe Req'd.

19' Of 15" Pipe Req'd.

HICKORY TREE ROAD

DUPONT ROAD

APP. SECTION LINE

20' DRAINAGE EASEMENT

20' UTILITY EASEMENT

TEMP. R/W
FOR GRADING

TEMP. R/W
FOR DRIVE
CONSTR.

CONSTR. LIMITS

EXIST. ℄ & R/W

R/W

90°12'35"

LINE "A"
N88°12'50"E

LINE "PR-A"
N88°07'10"E

+00 "PR-A"
66.44'

+00 "PR-A"
111.43'

STR. No. 144
See Sht. No.

STR. No. 143
See Sht. No.

STR. No. 142
See Sht. No.

STR. No. 141
See Sht. No.

STR. No. 139
See Sht. No.

STR. No. 137
See Sht. No.

STR. No. 138
See Sht. No.

STR. No. 136
See Sht. No.

STR. No. 160
See Sht. No.

STR. No. 135
See Sht. No.

STR. No. 133
See Sht. No.

STR. No. 134
See Sht. No.

ALL R/W DESCRIBED FROM LINE "PR S-5-A" EXCEPT AS SHOWN

PVI @ STA 12+75.00
ELEV. 847.327
0 V.C.

PVI @ STA. 13+45.00
ELEV. 847.139
120' V.C.

PVI @ STA. 15+45.00
ELEV. 852.852
90' V.C.

PVI @ STA 16+10.73
ELEV. 854.166
0 V.C.

-0.27%

2.86%

2.00%

PROFILE GRADE

EXIST. PROFILE GRADE @ LINE "PR S-5-A"

12" Pipe @ 0.48%

12" Pipe @ 0.53%

15" Pipe @ 0.50%

STR. No. 154
SE. INV. 841.45 OUT

STR. No. 152
SE. INV. 841.33 OUT

STR. No. 153
NW. INV. 841.40
NE. INV. 841.40 OUT

STR. No. 151
SW. INV. 841.28
NW. INV. 841.28
S. INV. 841.28 OUT

STR. No. 136
W. INV. 840.11
E. INV. 839.88 OUT

STR. No. 139
W. INV. 840.11
N. INV. 839.88
E. INV. 839.88 OUT

Inv. 844.39

Inv. 844.66

Inv. 842.66

Inv. 842.37

18" CSP

12" CSP

EXIST. ELEVATIONS @ LINE "PR S-5-A"

PROPOSED. ELEVATIONS @ LINE "PR S-5-A"

847.6 847.4 847.6 847.2 847.29 846.8 847.68 846.1 848.71 846.7 850.14 846.8 851.57 846.0 852.88 846.3 853.95

855 850 845 840 835

12+00 13+00 14+00 15+00 16+00 17+00

2/12/14

P:\FTW\2011\010115\2.00 Dupont Road Fort Wayne\DWG\D 101152 DR17 S5A.dwg, 2/10/14 at 9:02 AM, dovemps, 1"=20'

gai consultants
1502 Magnavox Way
Fort Wayne, Indiana 46804
Tel: (260)969-8800 Fax: (260)969-8888
www.gaiconsultants.com

RECOMMENDED
FOR APPROVAL _____
DESIGN ENGINEER DATE

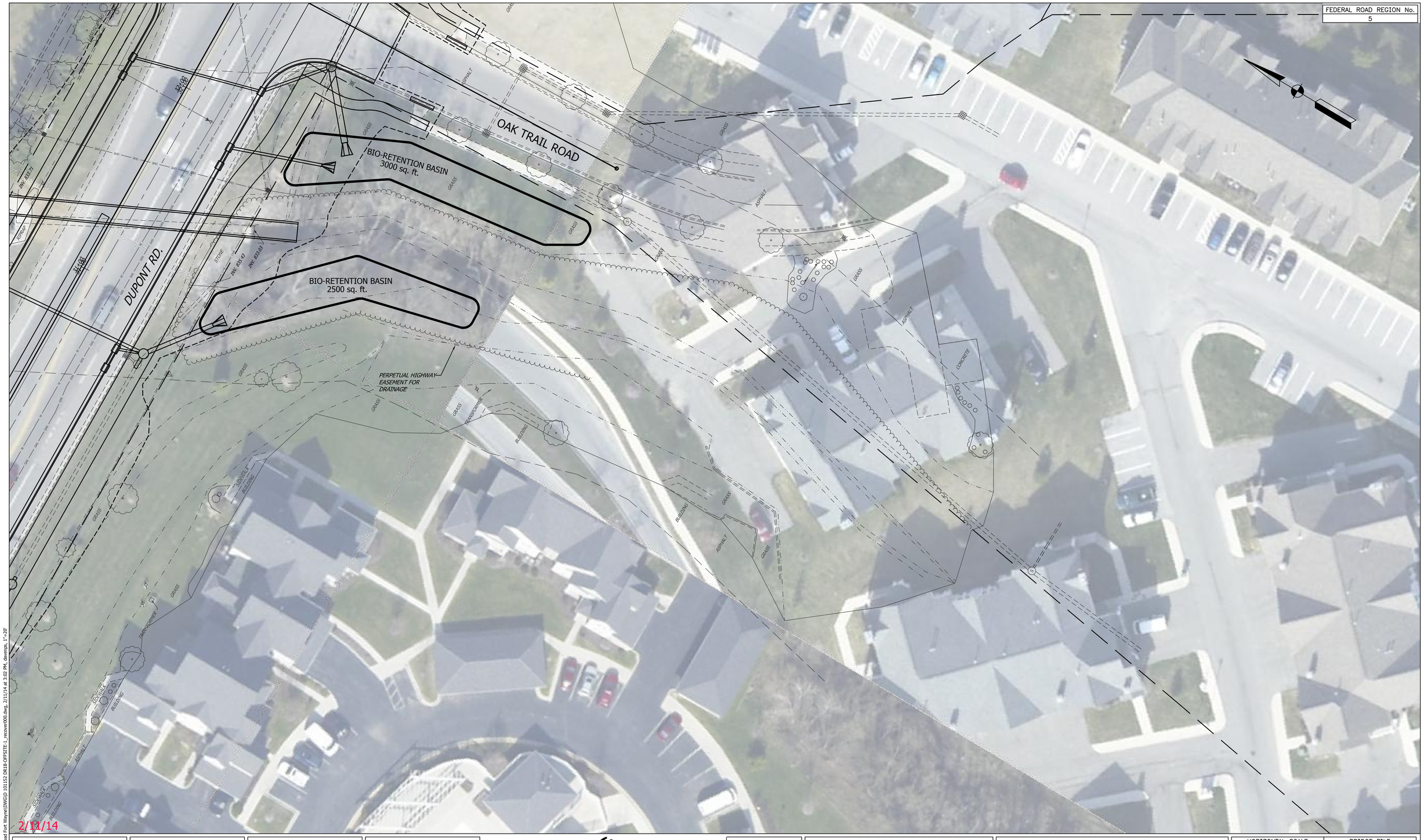
DESIGNED: F.M.M. DRAWN: P.L.B.

CHECKED: . CHECKED:

INDIANA
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
LINE "PR S-5-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
	63 of 183
CONTRACT	PROJECT
R-34815	0901798



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Fort Wayne, Indiana 46804
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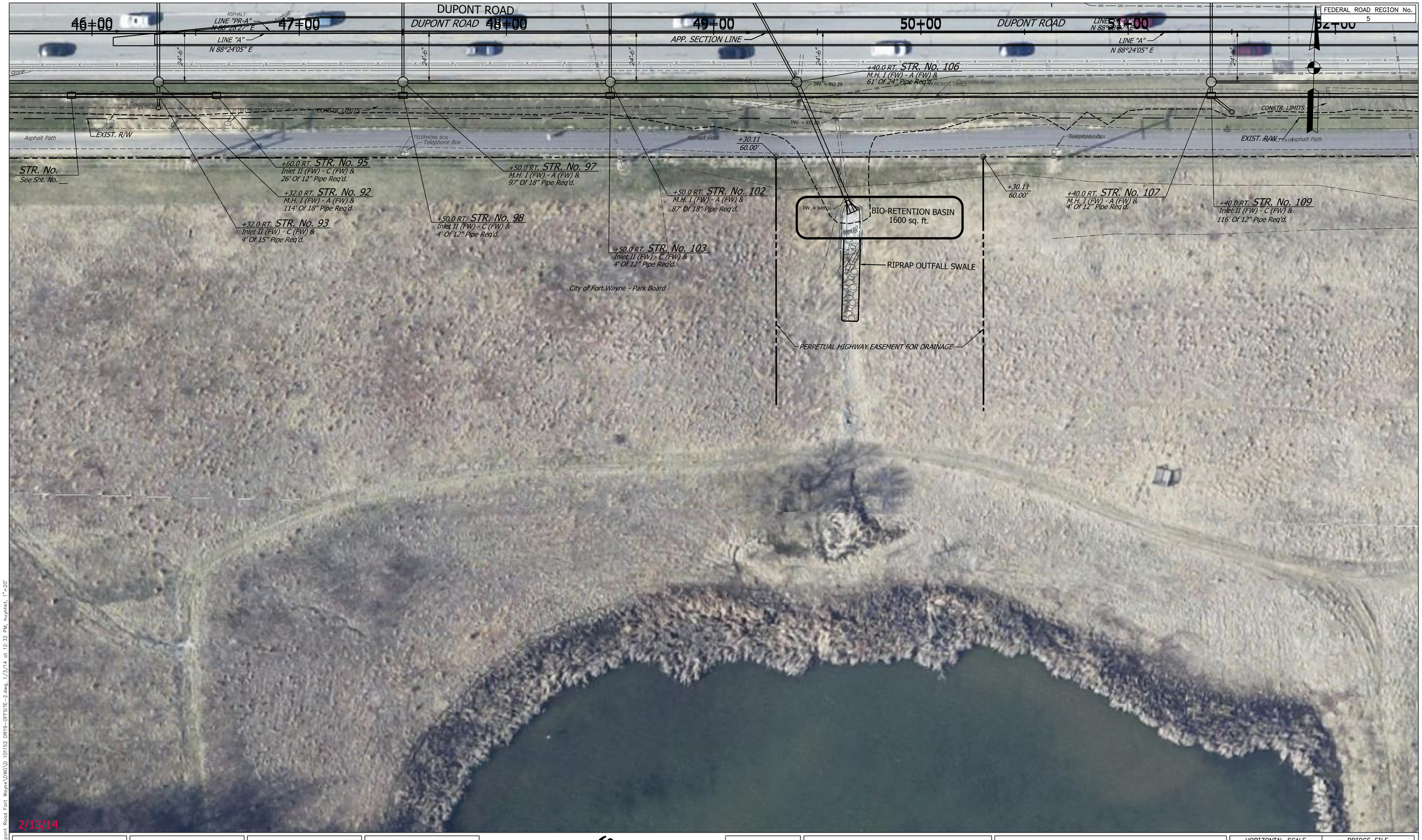
RECOMMENDED
FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: MJS
DRAWN: KTH
CHECKED: MDY
CHECKED: MJS

INDIANA
DEPARTMENT OF TRANSPORTATION

DRAINAGE CONSTRUCTION DETAIL
BIO-RETENTION BASIN 1 & 2

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
	64 of 183
CONTRACT	PROJECT
R-34815	0901798



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DESIGN ENGINEER DATE

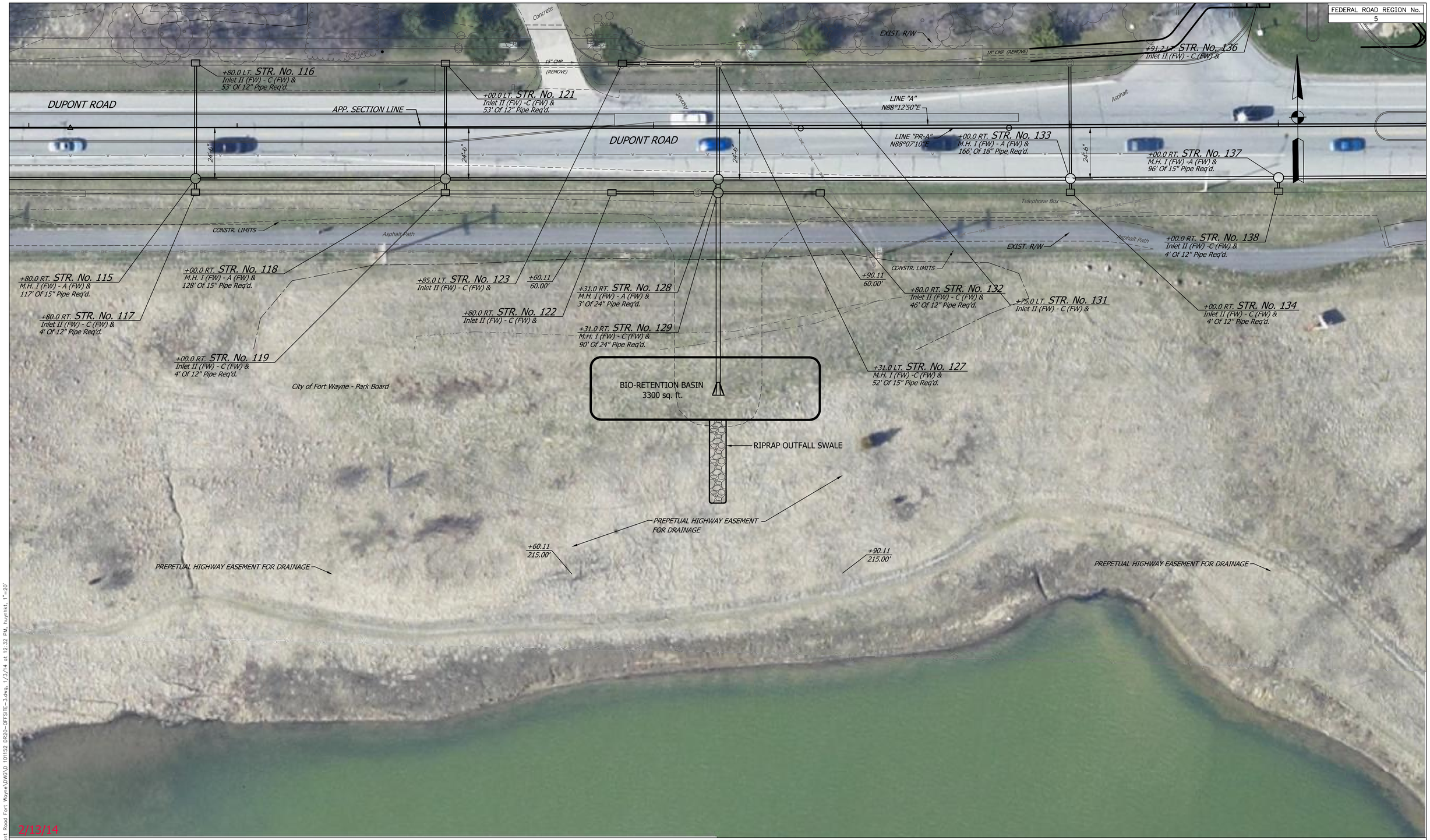
DESIGNED: MJS DRAWN: KTH
CHECKED: MDY CHECKED: MJS

INDIANA DEPARTMENT OF TRANSPORTATION

DRAINAGE CONSTRUCTION DETAIL
BIO-RETENTION BASIN 3

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
	65 of 183
CONTRACT	PROJECT
R-34815	0901798

FEDERAL ROAD REGION No.
5



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DESIGN ENGINEER DATE

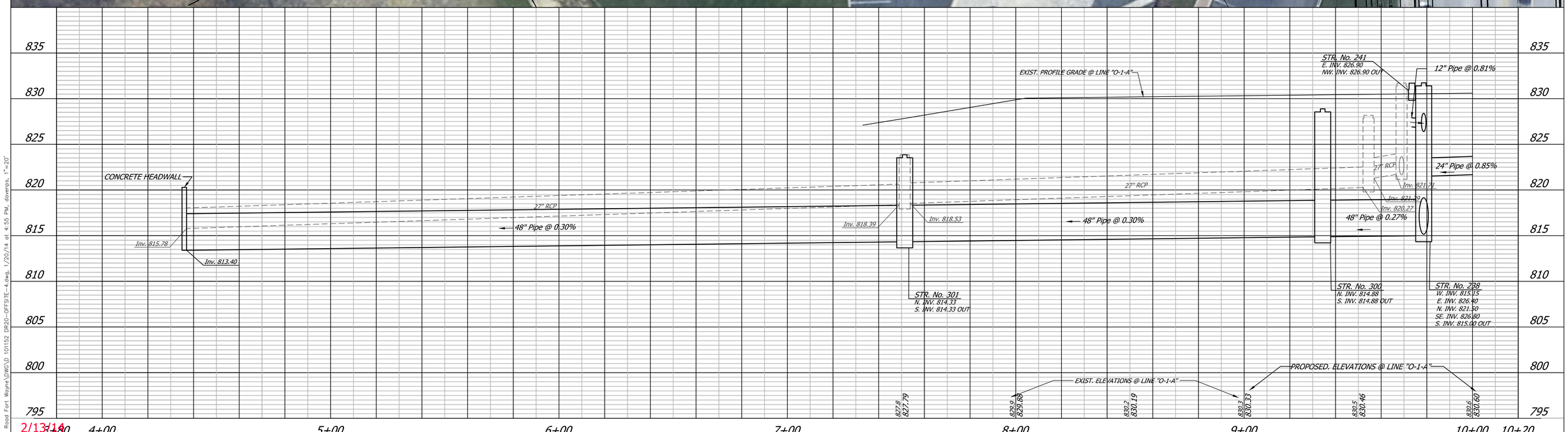
DESIGNED: F.M.M. DRAWN: P.L.B.
CHECKED: . CHECKED:

INDIANA
DEPARTMENT OF TRANSPORTATION

DRAINAGE CONSTRUCTION DETAIL
BIO-RETENTION BASIN 4

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
	66 of 183
CONTRACT	PROJECT
R-34815	0901798

FEDERAL ROAD REGION No.
5



2/13/14

P:\FTW\2011\D101152.00 Dupont Road Fort Wayne\DWG\D 101152 DR20-OFFSITE-4.dwg, 1/20/14 at 4:55 PM, dbvemps, 1"=20'

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DESIGN ENGINEER DATE

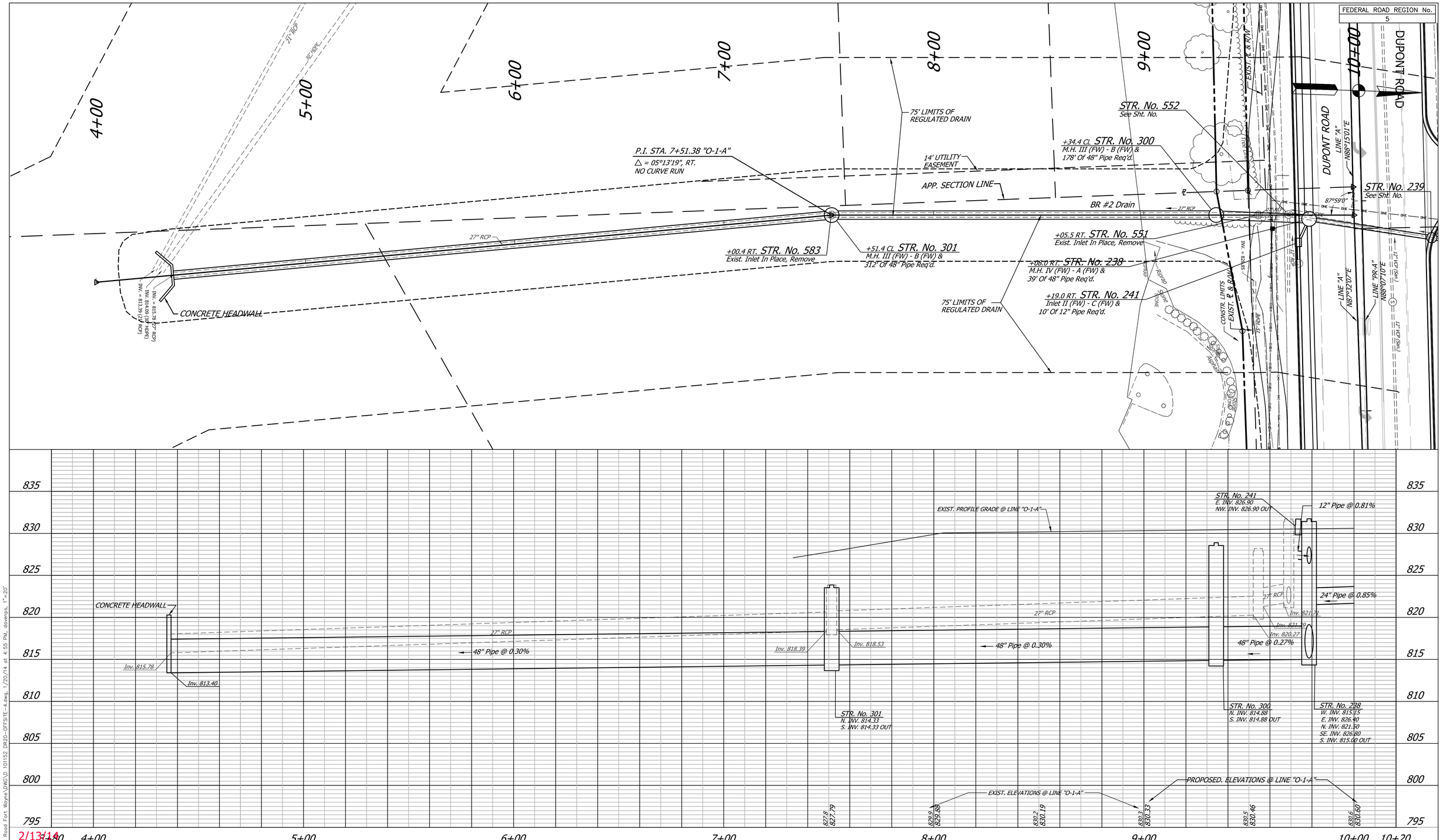
DESIGNED: F.M.M. DRAWN: P.L.B.
CHECKED: . CHECKED: _____

INDIANA
DEPARTMENT OF TRANSPORTATION

DRAINAGE CONSTRUCTION DETAIL
OFFSITE STORM SEWER

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
	67 of 183
CONTRACT	PROJECT
R-34815	0901798

FEDERAL ROAD REGION No.
5



2/13/14

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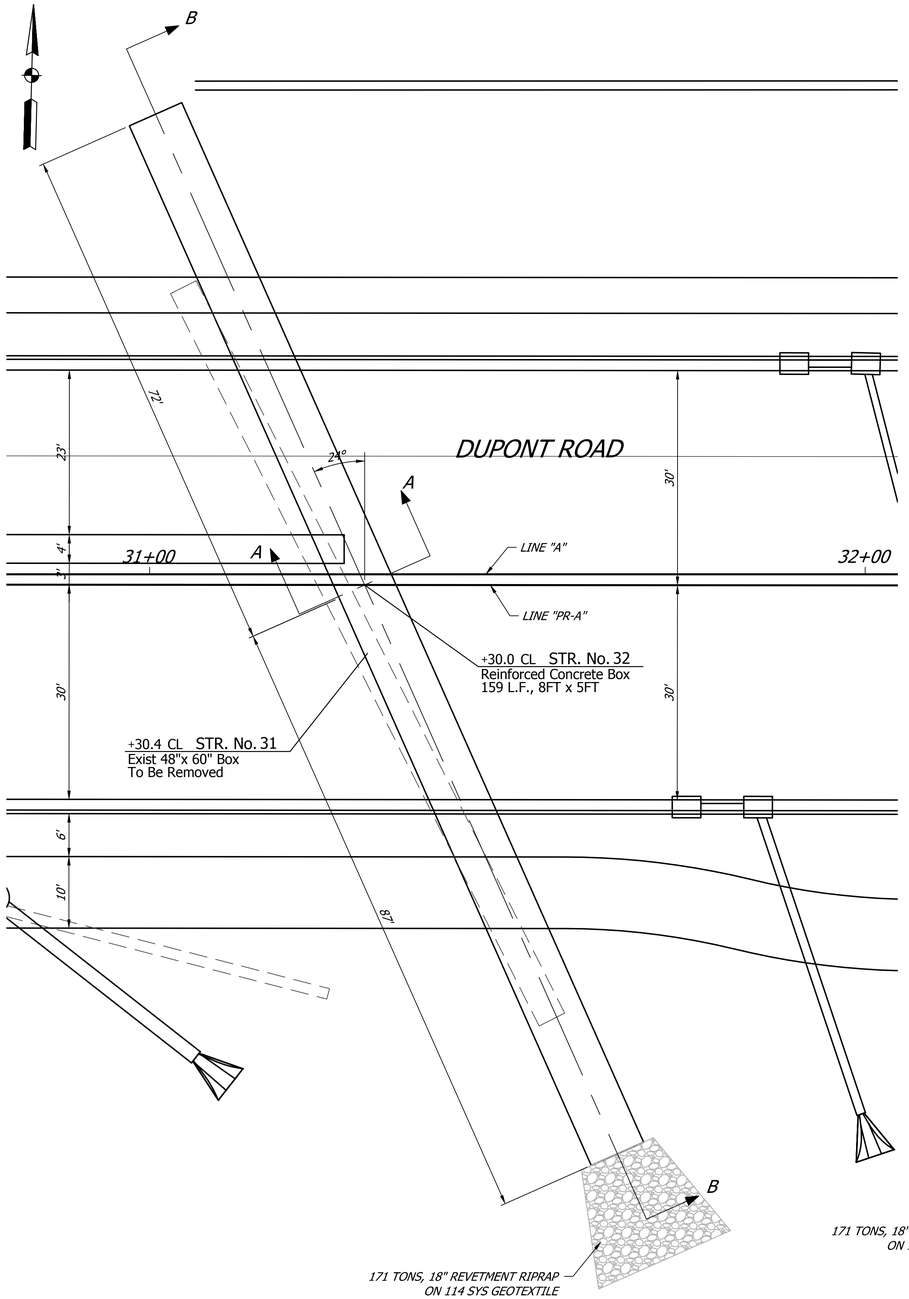
CHECKED: . | CHECKED:

INDIANA DEPARTMENT OF TRANSPORTATION

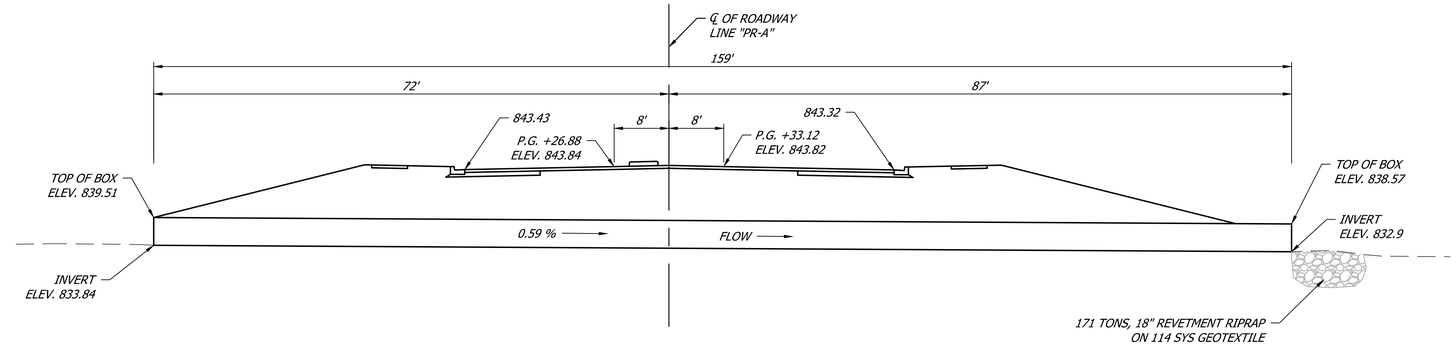
DRAINAGE CONSTRUCTION DETAIL
OFFSITE STORM SEWER

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
	68 of 183
CONTRACT	PROJECT
R-34815	0901798

FEDERAL ROAD REGION No.
5

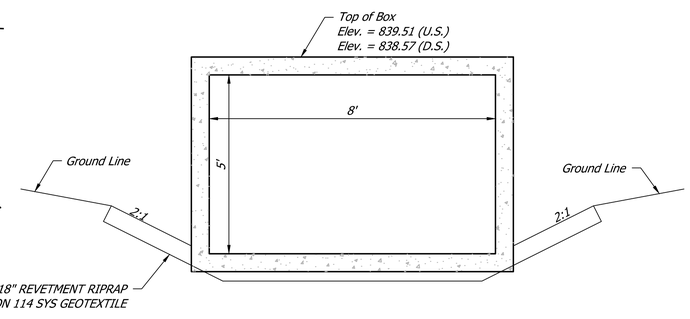


PLAN VIEW
SECTION A-A
SCALE = 1"=10'

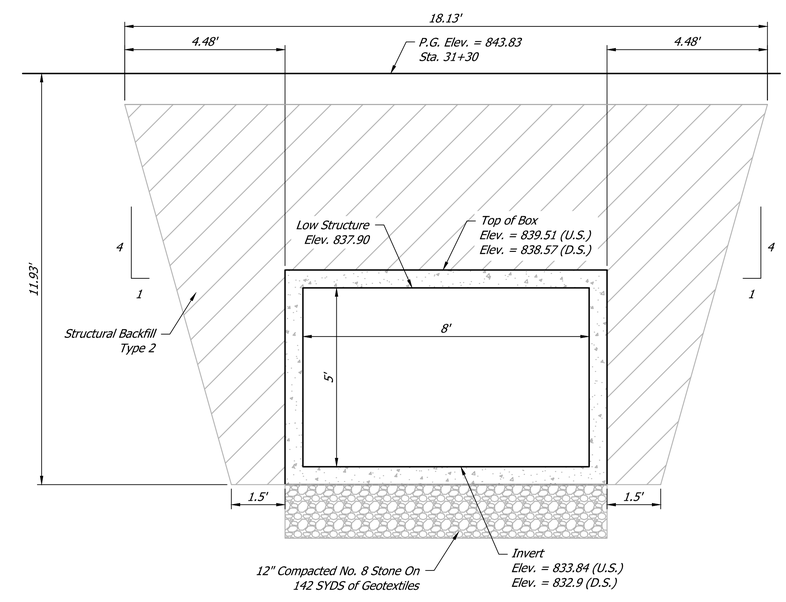


ELEVATION VIEW
SECTION B-B
SCALE = 1"=10'

Soils Data	
Factored Bearing Resistance (3' wide)	2556 psf
Factored Bearing Resistance (4' wide)	2556 psf
Factored Bearing Resistance (5' wide)	2556 psf
Friction Angle of Backfill (δ)	30°
Friction Factor of Foundation Soil (f)	0.4
Angle of Internal Friction of Foundation Soil (Φ)	30°



ELEVATION VIEW
SECTION A-A
SCALE = 1"=20'



END VIEW
SCALE = 1"=20'

Reinforced Concrete Box Culvert
8 Ft Span x 5 Ft Rise
24° Skew

2/7/14

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FOR APPROVAL _____
DESIGN ENGINEER DATE

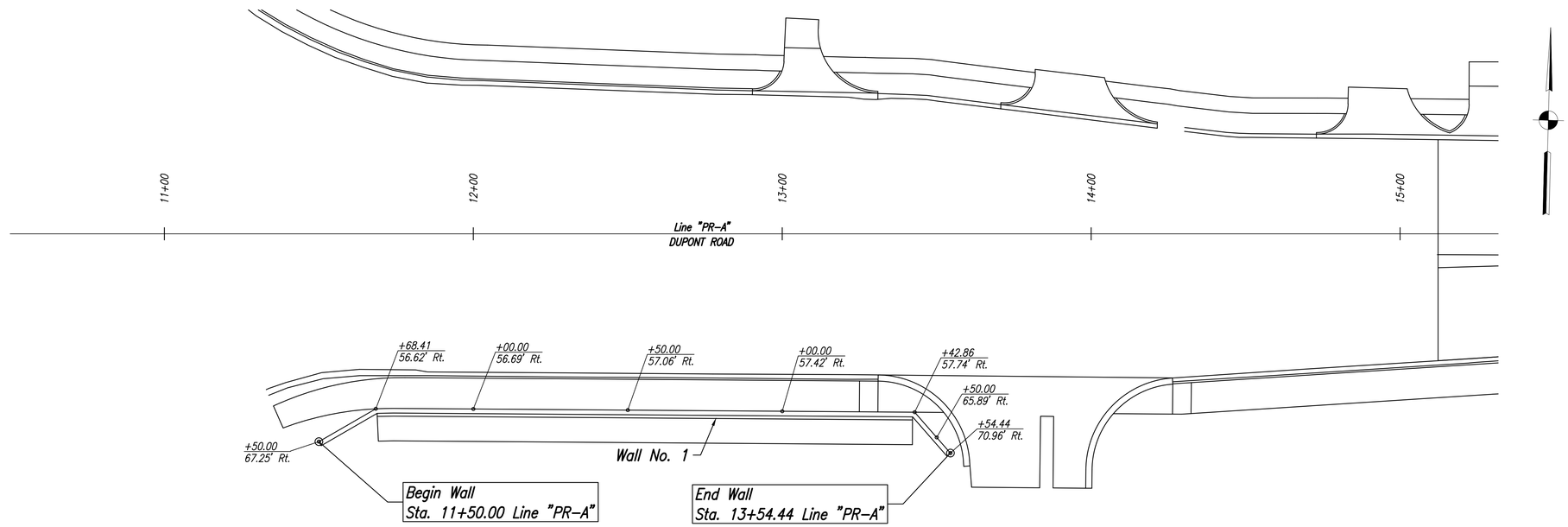
DESIGNED: MJS DRAWN: KTH
CHECKED: . CHECKED:

INDIANA
DEPARTMENT OF TRANSPORTATION

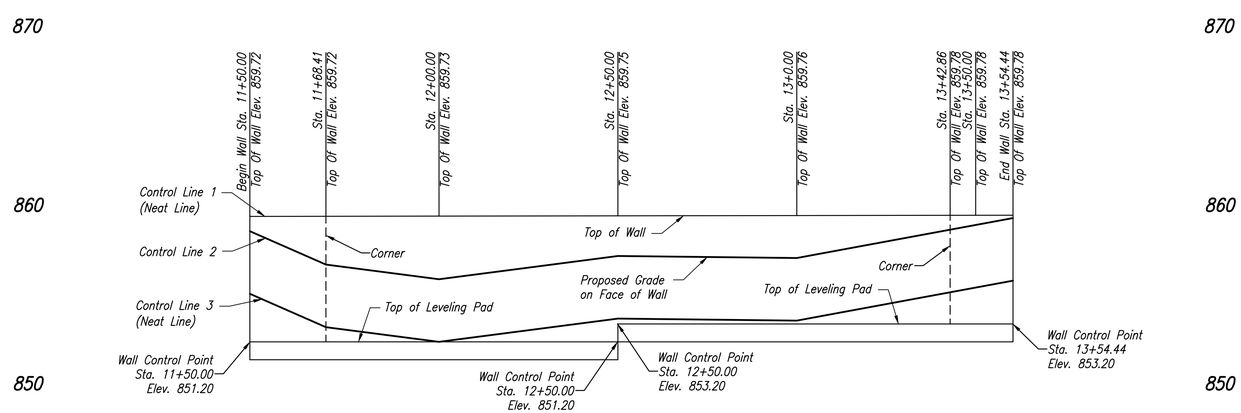
DRAINAGE STRUCTURE DETAIL
STR. 32

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	
VERTICAL SCALE	DESIGNATION
AS NOTED	0901798
SURVEY BOOK	SHEETS
	69 of 183
CONTRACT	PROJECT
R-34815	0901798

P:\FTW\2011\D101152.00 Dupont Road Fort Wayne\DWG\D 101152 DT.dwg, 1/24/14 at 11:24 AM, dovenps, 1"=20'



ESTIMATE OF QUANTITIES	
	WALL NO. 1
Wall Surface Area (sft)	1,219.1
Leveling Pad, Concrete (ft)	213.3
Structure Backfill, Type 3 (cys)	258.0



Wall No. 1

The leveling pad, leveling pad step locations, elevations, dimensions, and resulting structure backfill and B borrow backfill quantities are conceptual and are provided for information only. The Contractor shall be responsible for the quantity on which it bases its bid.

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www.ucindy.com

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: WRC | DRAWN: JNII

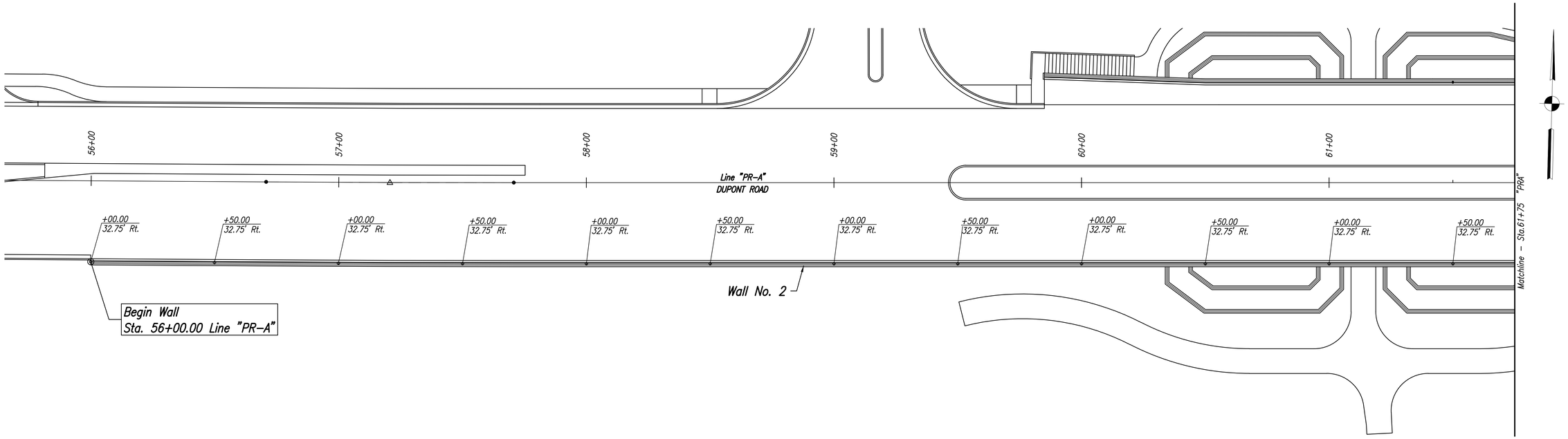
CHECKED: JAR | CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

RETAINING WALL DETAILS WALL NO. 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
.	74 of 183
CONTRACT	PROJECT
.	.

File Name: P:\C3D\11-401\Road\Dwg\Plans\Retaining Walls PR-A.dwg Plot Date: 1/29/2014 Plotted By: Nimz, John



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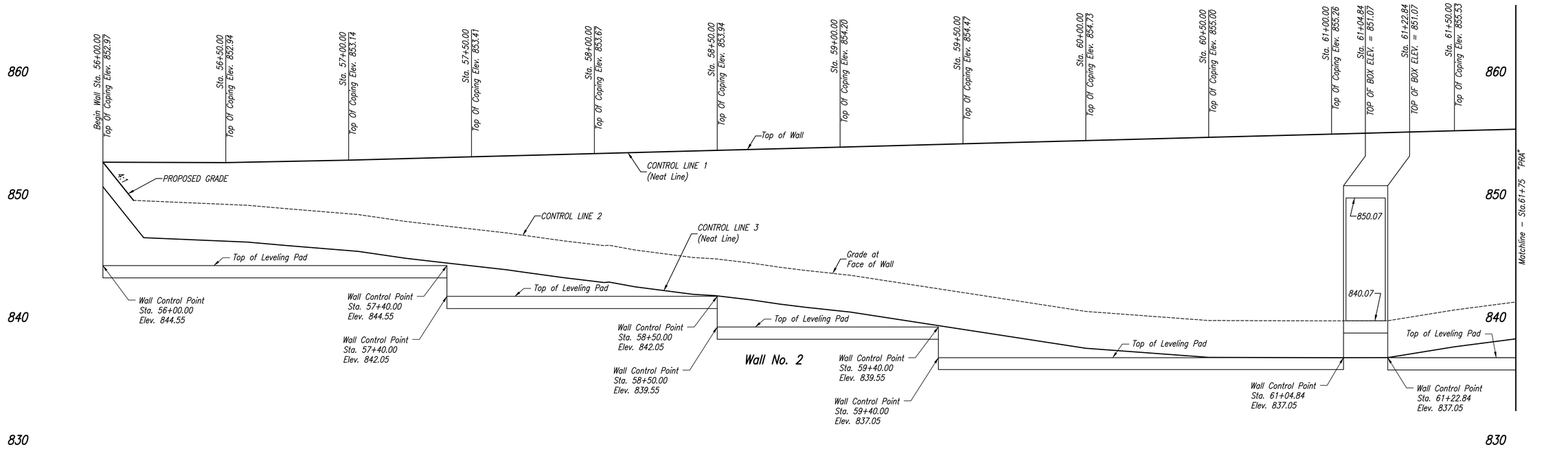

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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: WRC | DRAWN: JNII

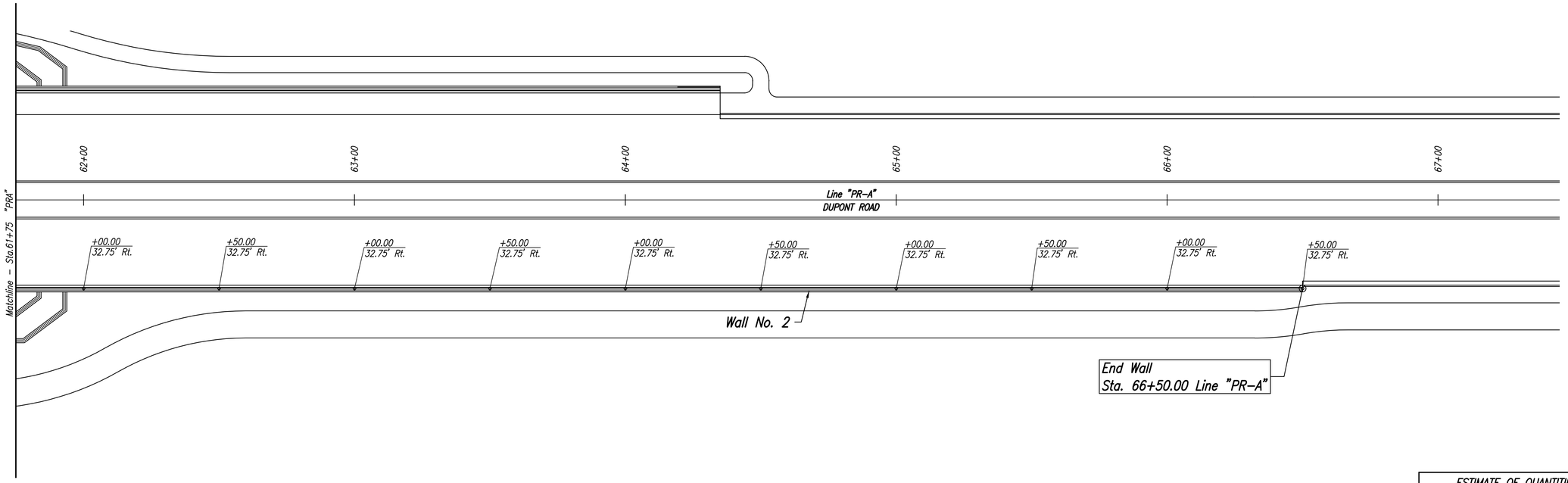
CHECKED: JAR | CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

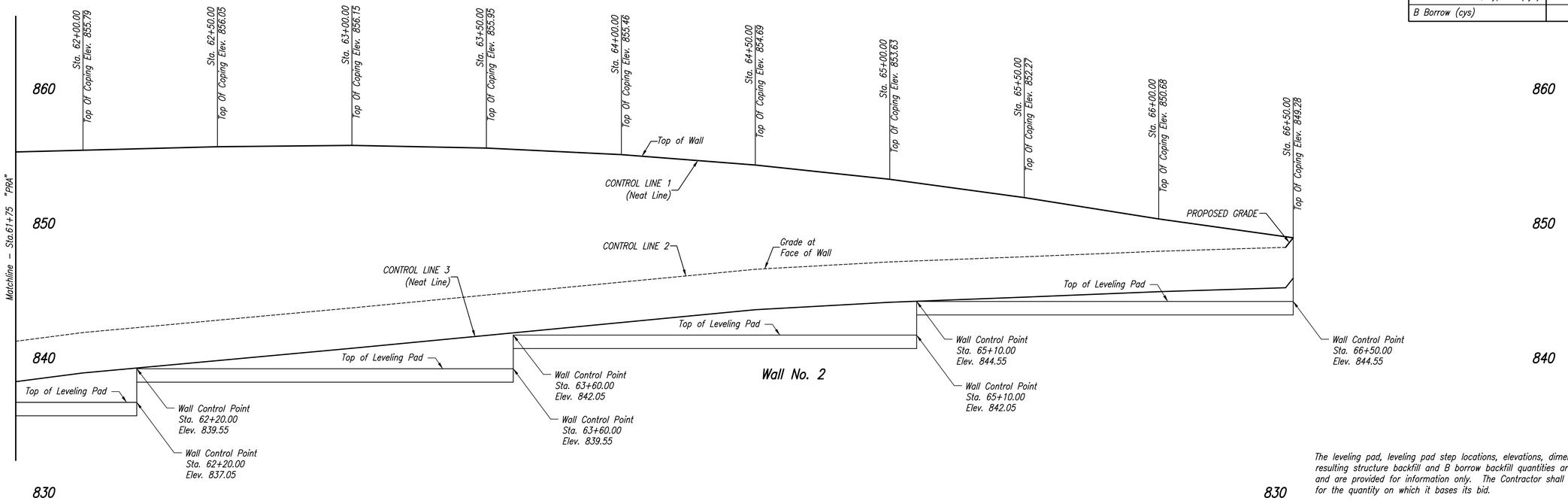
RETAINING WALL DETAILS WALL NO. 2

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
.	75 of 183
CONTRACT	PROJECT
.	.

File Name: P:\C330\11-401\Road\Dwg\Plans\Retaining Walls PR-A.dwg Plot Date: 1/29/2014 Plotted By: Nimz, John



ESTIMATE OF QUANTITIES	
	WALL NO. 2
Wall Surface Area (sft)	12,413.5
Leveling Pad, Concrete (ft)	1,050.0
Structure Backfill, Type 3 (cys)	.
B Borrow (cys)	.



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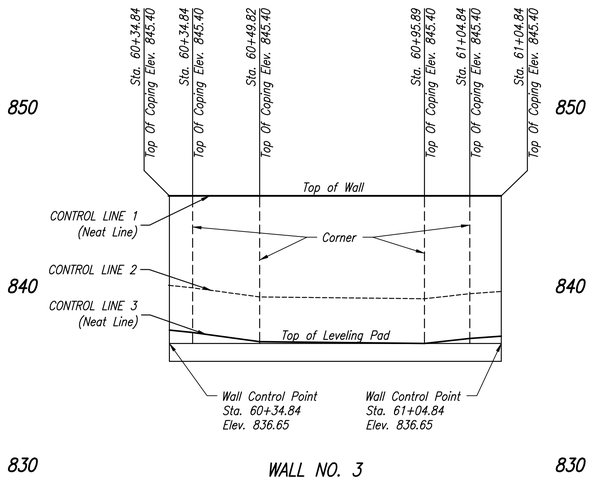
DESIGNED: WRC | DRAWN: JNII
CHECKED: JAR | CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

RETAINING WALL DETAILS WALL NO. 2

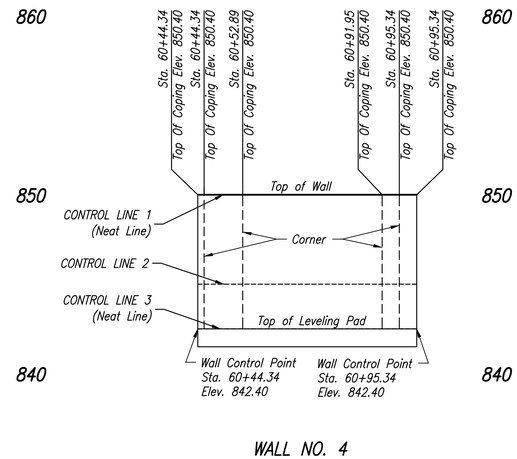
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
.	76 of 183
CONTRACT	PROJECT
.	.

File Name: P:\(20)11-401\Road\Dwg\Plans\Retaining Walls PR-A.dwg Plot Date: 1/29/2014 Plotted By: Nimz, John



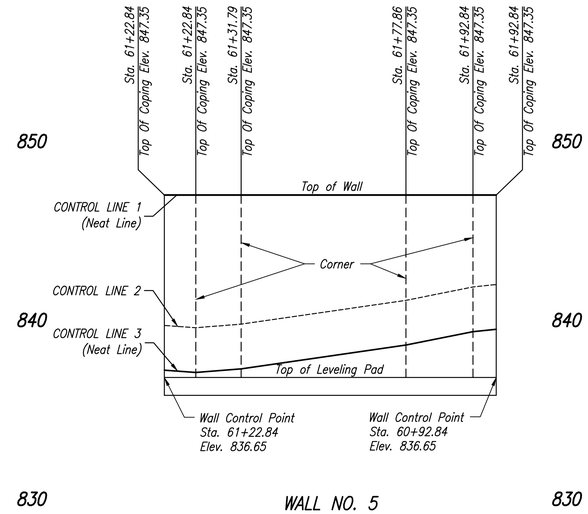
WALL NO. 3

ESTIMATE OF QUANTITIES	
	WALL NO. 3
Wall Surface Area (sft)	751.2
Leveling Pad, Concrete (ft)	93.3
Structure Backfill, Type 3 (cys)	.
B Borrow (cys)	.



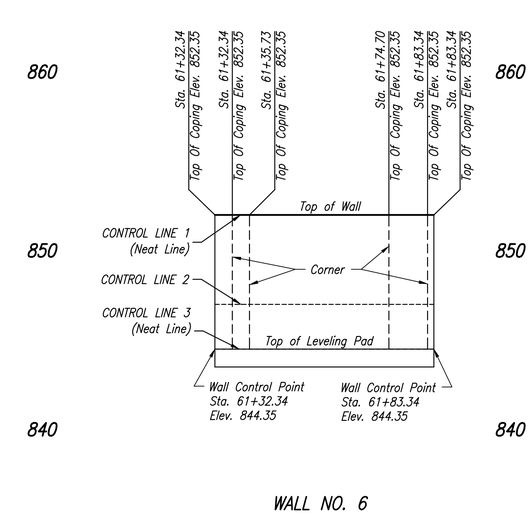
WALL NO. 4

ESTIMATE OF QUANTITIES	
	WALL NO. 4
Wall Surface Area (sft)	462.7
Leveling Pad, Concrete (ft)	61.7
Structure Backfill, Type 3 (cys)	.
B Borrow (cys)	.



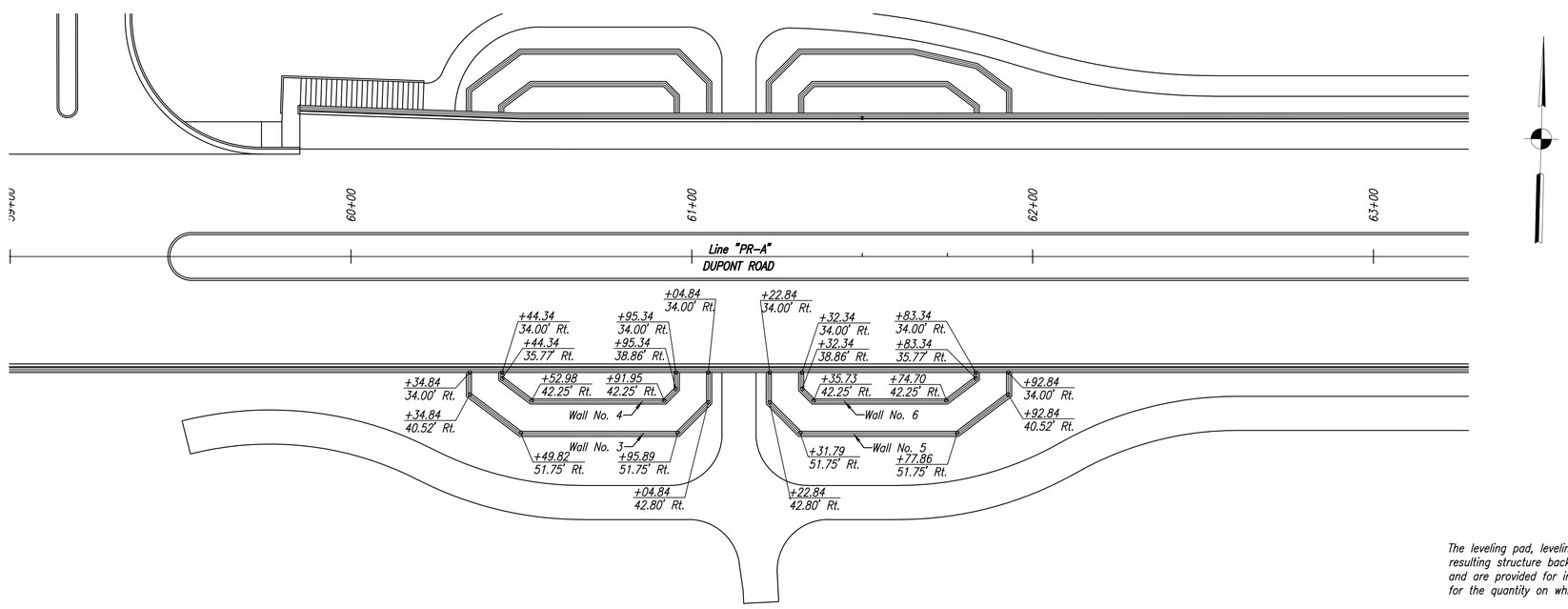
WALL NO. 5

ESTIMATE OF QUANTITIES	
	WALL NO. 5
Wall Surface Area (sft)	832.2
Leveling Pad, Concrete (ft)	93.3
Structure Backfill, Type 3 (cys)	.
B Borrow (cys)	.



WALL NO. 6

ESTIMATE OF QUANTITIES	
	WALL NO. 6
Wall Surface Area (sft)	462.7
Leveling Pad, Concrete (ft)	61.7
Structure Backfill, Type 3 (cys)	.
B Borrow (cys)	.



The leveling pad, leveling pad step locations, elevations, dimensions, and resulting structure backfill and B borrow backfill quantities are conceptual and are provided for information only. The Contractor shall be responsible for the quantity on which it bases its bid.

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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: WRC DRAWN: JNII

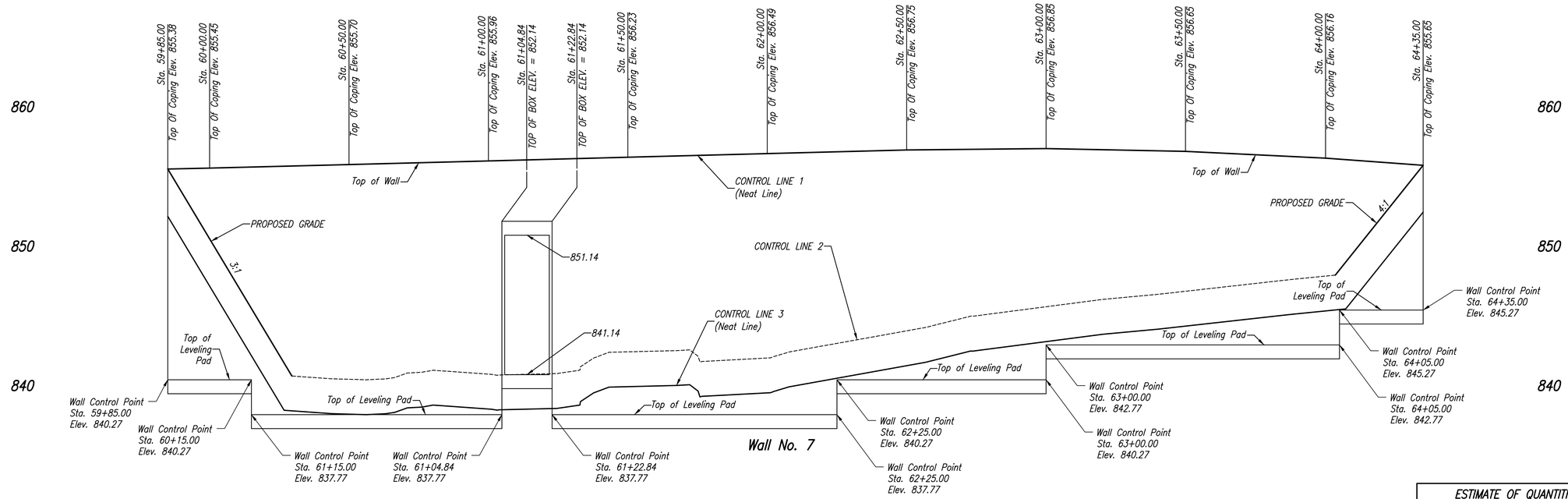
CHECKED: JAR CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

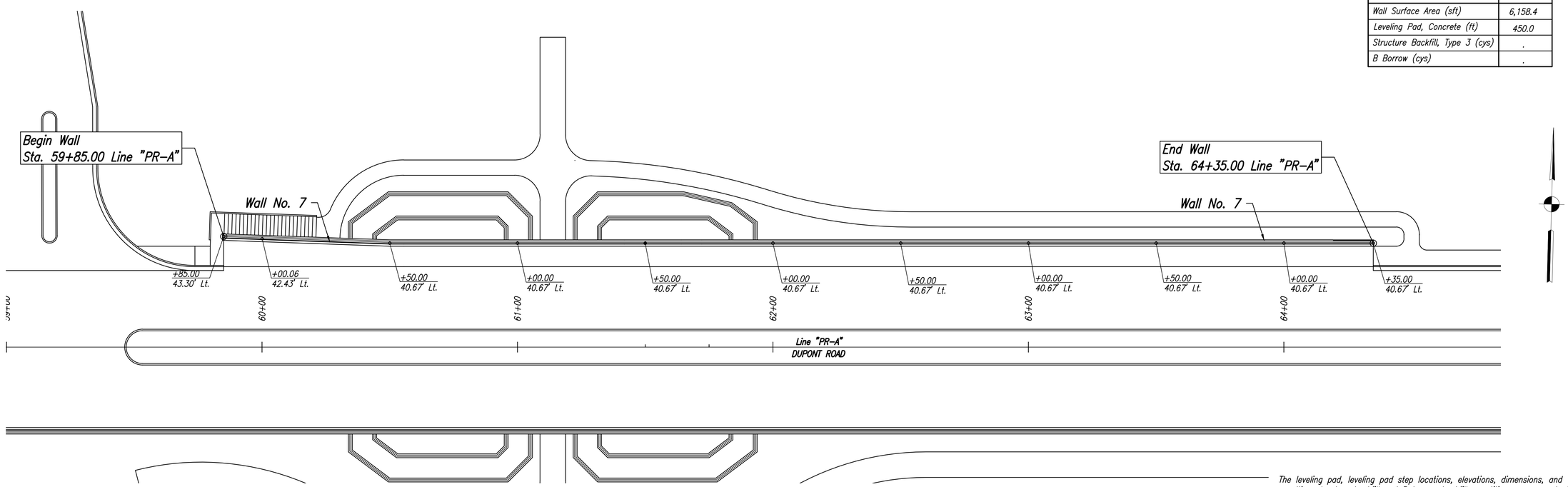
RETAINING WALL DETAILS
WALL NOs. 3, 4, 5, 6

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
.	77 of 183
CONTRACT	PROJECT
.	.

File Name: P:\C330\11-401\Road\Dwg\Plans\Retaining Walls PR-A.dwg Pad Date: 1/29/2014 Plotted By: Nimz, John



ESTIMATE OF QUANTITIES	
	WALL NO. 7
Wall Surface Area (sft)	6,158.4
Leveling Pad, Concrete (ft)	450.0
Structure Backfill, Type 3 (cys)	.
B Borrow (cys)	.



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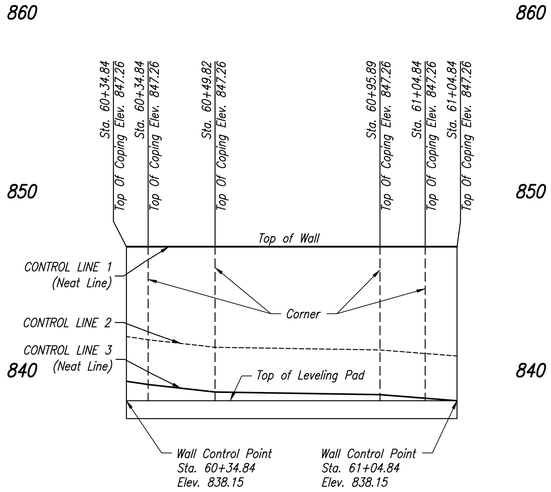
DESIGNED: WRC DRAWN: JNII
CHECKED: JAR CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

RETAINING WALL DETAILS
WALL NO. 7

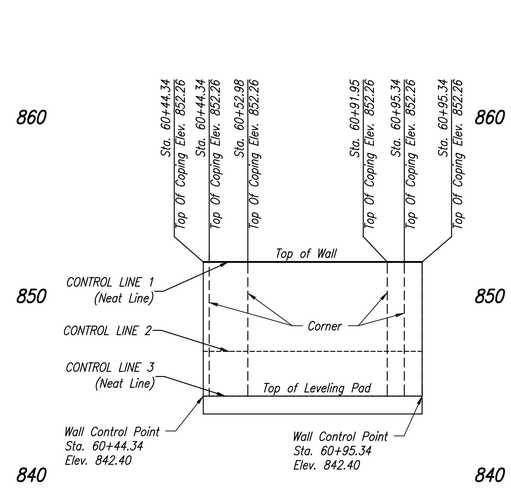
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
.	78 of 183
CONTRACT	PROJECT
.	.

File Name: P:\(20)11-401\Road\Dwg\Plans\Retaining Walls PR-A.dwg Plot Date: 1/29/2014 Plotted By: Nimz, John



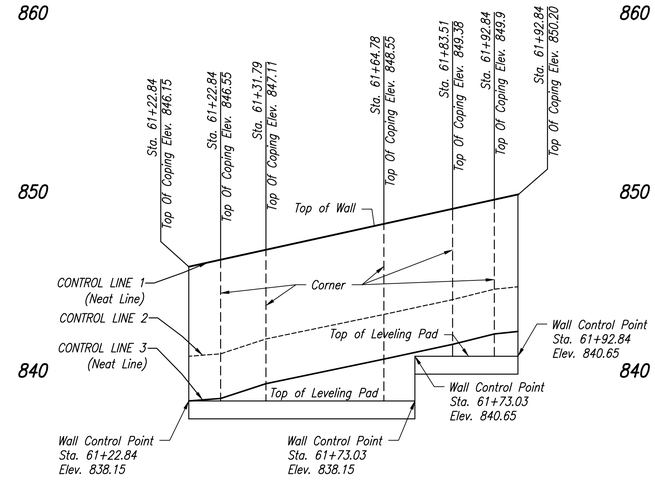
WALL NO. 8

ESTIMATE OF QUANTITIES	
	WALL NO. 8
Wall Surface Area (sft)	760.7
Leveling Pad, Concrete (ft)	93.3
Structure Backfill, Type 3 (cys)	.
B Borrow (cys)	.



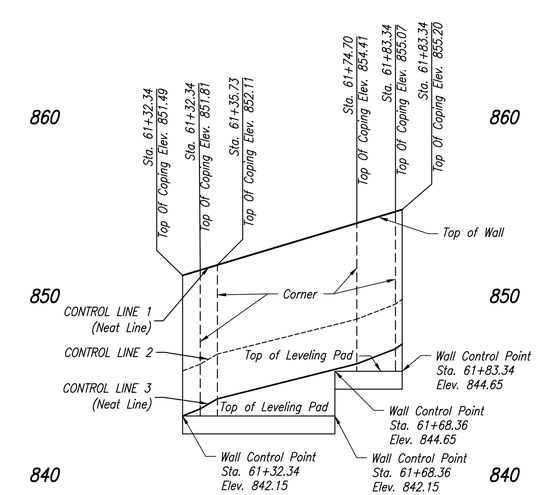
WALL NO. 9

ESTIMATE OF QUANTITIES	
	WALL NO. 9
Wall Surface Area (sft)	458.7
Leveling Pad, Concrete (ft)	61.2
Structure Backfill, Type 3 (cys)	.
B Borrow (cys)	.



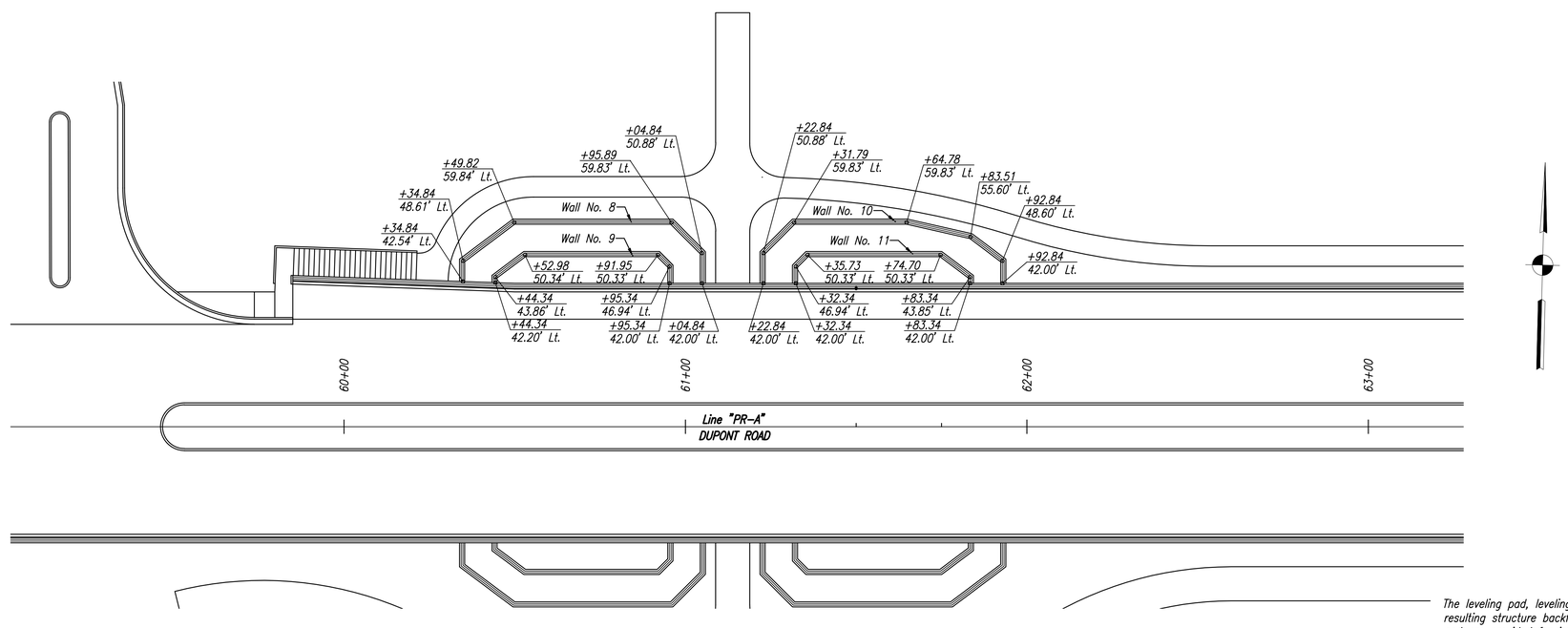
WALL NO. 10

ESTIMATE OF QUANTITIES	
	WALL NO. 10
Wall Surface Area (sft)	695.6
Leveling Pad, Concrete (ft)	92.0
Structure Backfill, Type 3 (cys)	.
B Borrow (cys)	.



WALL NO. 11

ESTIMATE OF QUANTITIES	
	WALL NO. 11
Wall Surface Area (sft)	472.0
Leveling Pad, Concrete (ft)	61.4
Structure Backfill, Type 3 (cys)	.
B Borrow (cys)	.



The leveling pad, leveling pad step locations, elevations, dimensions, and resulting structure backfill and B borrow backfill quantities are conceptual and are provided for information only. The Contractor shall be responsible for the quantity on which it bases its bid.

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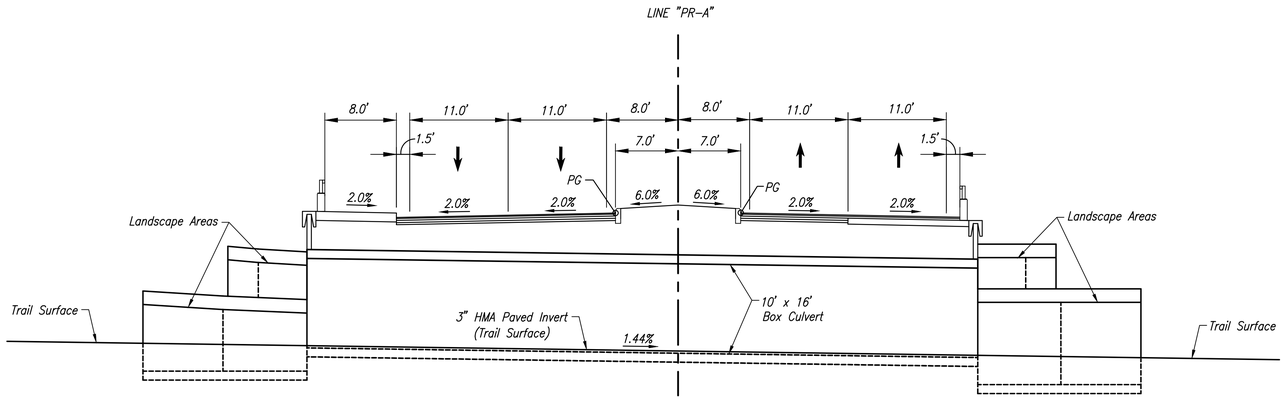
DESIGNED: WRC | DRAWN: JNII
CHECKED: JAR | CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

RETAINING WALL DETAILS WALL NOs. 8, 9, 10, 11

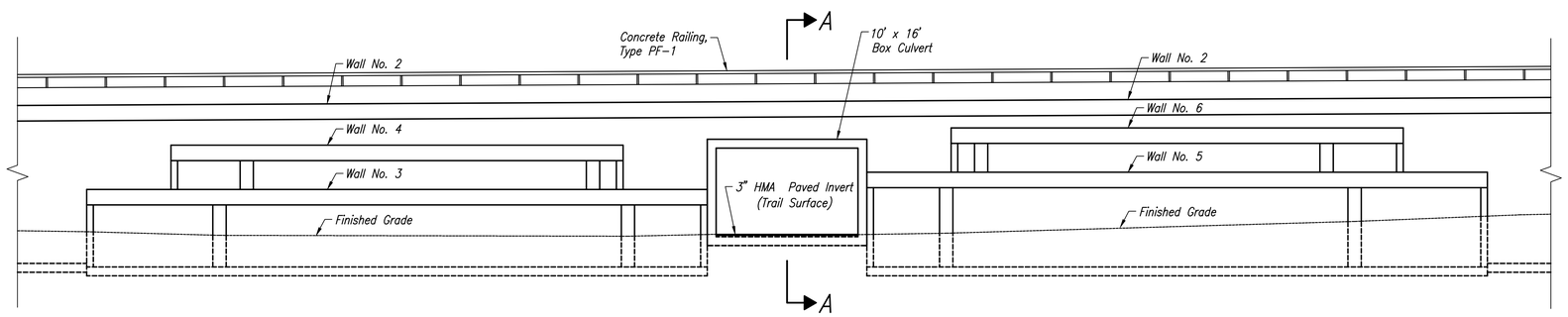
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
1" = 5'	0901798
SURVEY BOOK	SHEETS
.	79 of 183
CONTRACT	PROJECT
.	.

File Name: P:\C330\11-401\Road\Dwg\Plans\Retaining Walls PR-A.dwg Pad Date: 1/29/2014 Plotted By: Nimz, John



SECTION A–A – PUFFERBELLY TRAIL CROSSING

SCALE 1/8" = 1'-0"



ELEVATION LOOKING WEST– PUFFERBELLY TRAIL CROSSING

SCALE 1/8" = 1'-0"

Note: Refer to Typical Cross Sections, Plan & Profile, Cross Sections, & Retaining Wall Details for additional information.

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DESIGNED: WRC | DRAWN: JNII

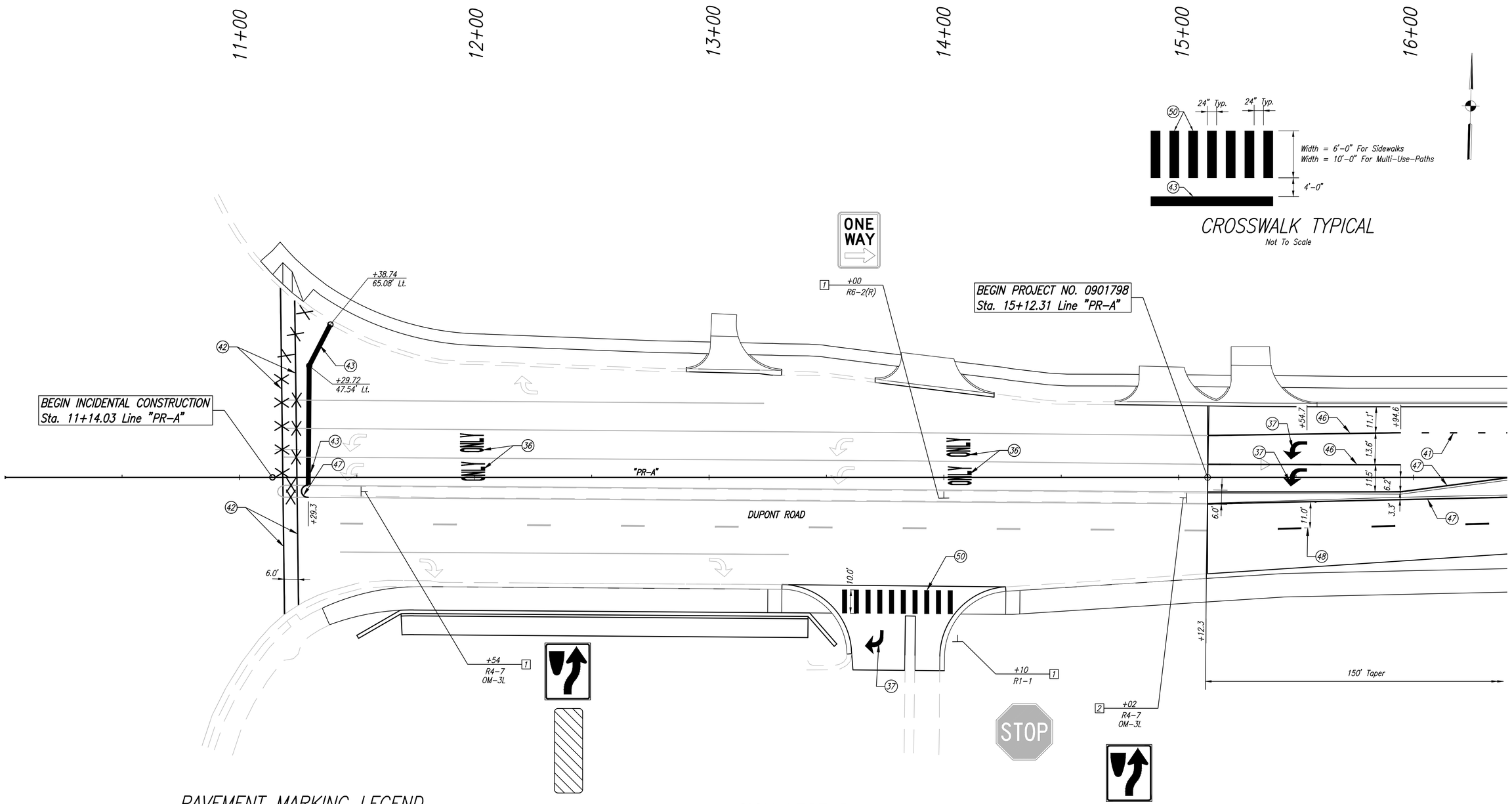
CHECKED: JAR | CHECKED: JAR

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
PUFFERBELLY TRAIL CROSSING

HORIZONTAL SCALE	BRIDGE FILE
AS SHOWN	.
VERTICAL SCALE	DESIGNATION
AS SHOWN	0901798
SURVEY BOOK	SHEETS
.	80 of 183
CONTRACT	PROJECT
.	.

File Name: \\UCS04(S)\Road\Roadframe3\C30\11-401\Road\Dwg\Plans\Pufferbelly Trail Crossing Details.dwg Plot Date: 1/29/2014 Plotted By: Niinz, John



PAVEMENT MARKING LEGEND

- (36) Pavement Marking Message, Thermoplastic, Word(ONLY)
- (37) Pavement Marking Message, Thermoplastic, Lane Indication Arrow
- (41) Line, Thermoplastic, Broken, White, 12", 3' Stripe – 9' Gap
- (42) Transverse Markings, Thermoplastic, Crosswalk, White, 6"
- (43) Transverse Markings, Thermoplastic, Stop Line, White, 24"
- (46) Line, Thermoplastic, Solid, White, 4"
- (47) Line, Thermoplastic, Solid, Yellow, 4"
- (48) Line, Thermoplastic, Broken, White, 4"
- (49) Line, Thermoplastic, Broken, Yellow, 4"
- (50) Transverse Markings, Thermoplastic, Crosswalk, White, 24", 36" Spacing
- Ground Mounted Sheet Sign
- Pavement Marking Remove

SIGN LEGEND

1. No Change Required to Existing Sign and Support
2. Remove Existing Sign and Supports
3. Remove Existing Sheet Sign
4. New Sheet Sign on New Ground Mounted Supports
5. New Sheet Sign on Existing Supports
6. New Overhead Sheet Sign

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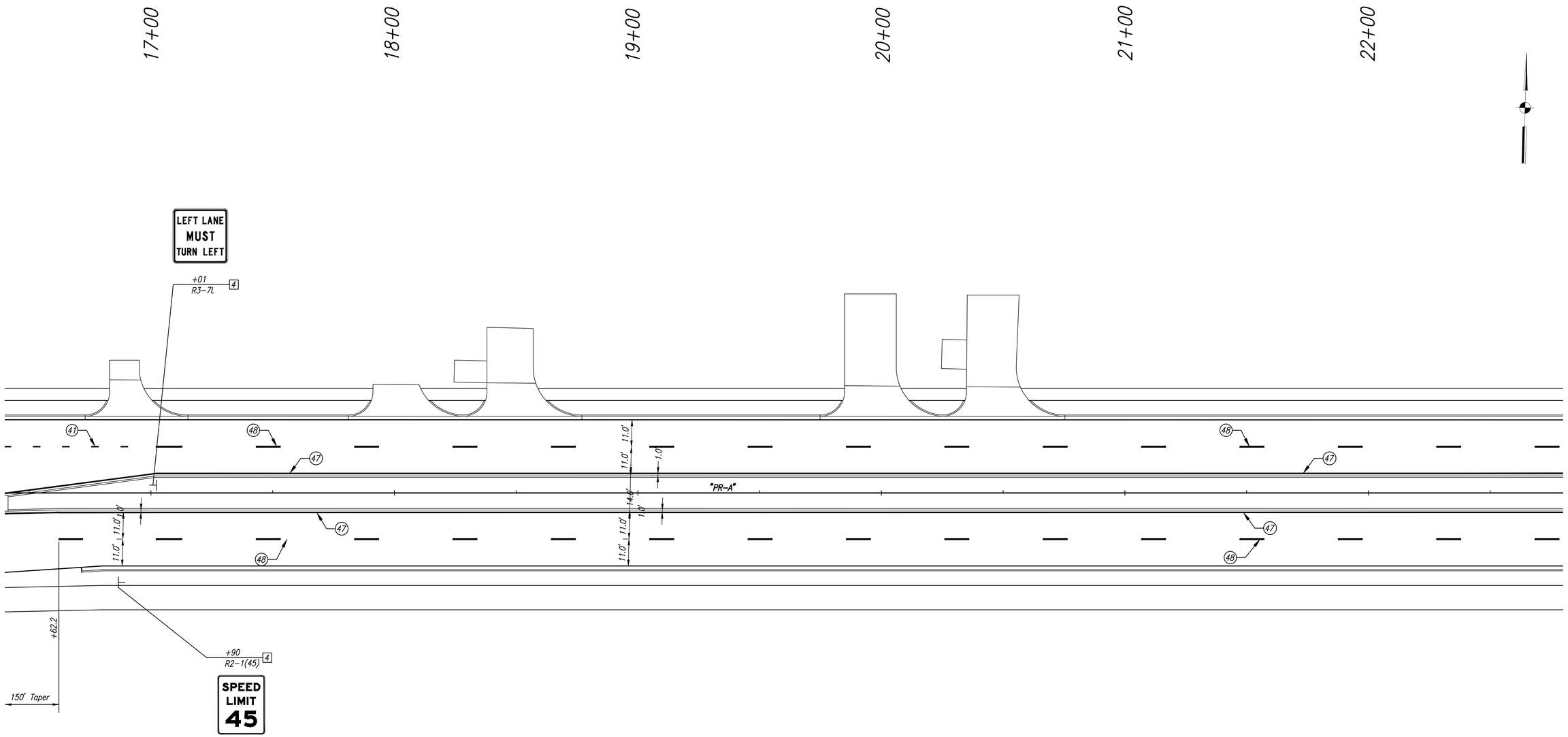
INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
.	81 of 183
CONTRACT	PROJECT
.	.

File Name: P:\C330\11-401\Road\Dwg\Plans\Marking & Sign Details.dwg Plot Date: 1/30/2014 Plotted By: Nimz, John



PAVEMENT MARKING LEGEND

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- (50) Transverse Markings, Thermoplastic, Crosswalk, White, 24", 36" Spacing
- Ground Mounted Sheet Sign
- Pavement Marking Remove

SIGN LEGEND

1. No Change Required to Existing Sign and Support
2. Remove Existing Sign and Supports
3. Remove Existing Sheet Sign
4. New Sheet Sign on New Ground Mounted Supports
5. New Sheet Sign on Existing Supports
6. New Overhead Sheet Sign

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INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
.	82 of 183
CONTRACT	PROJECT
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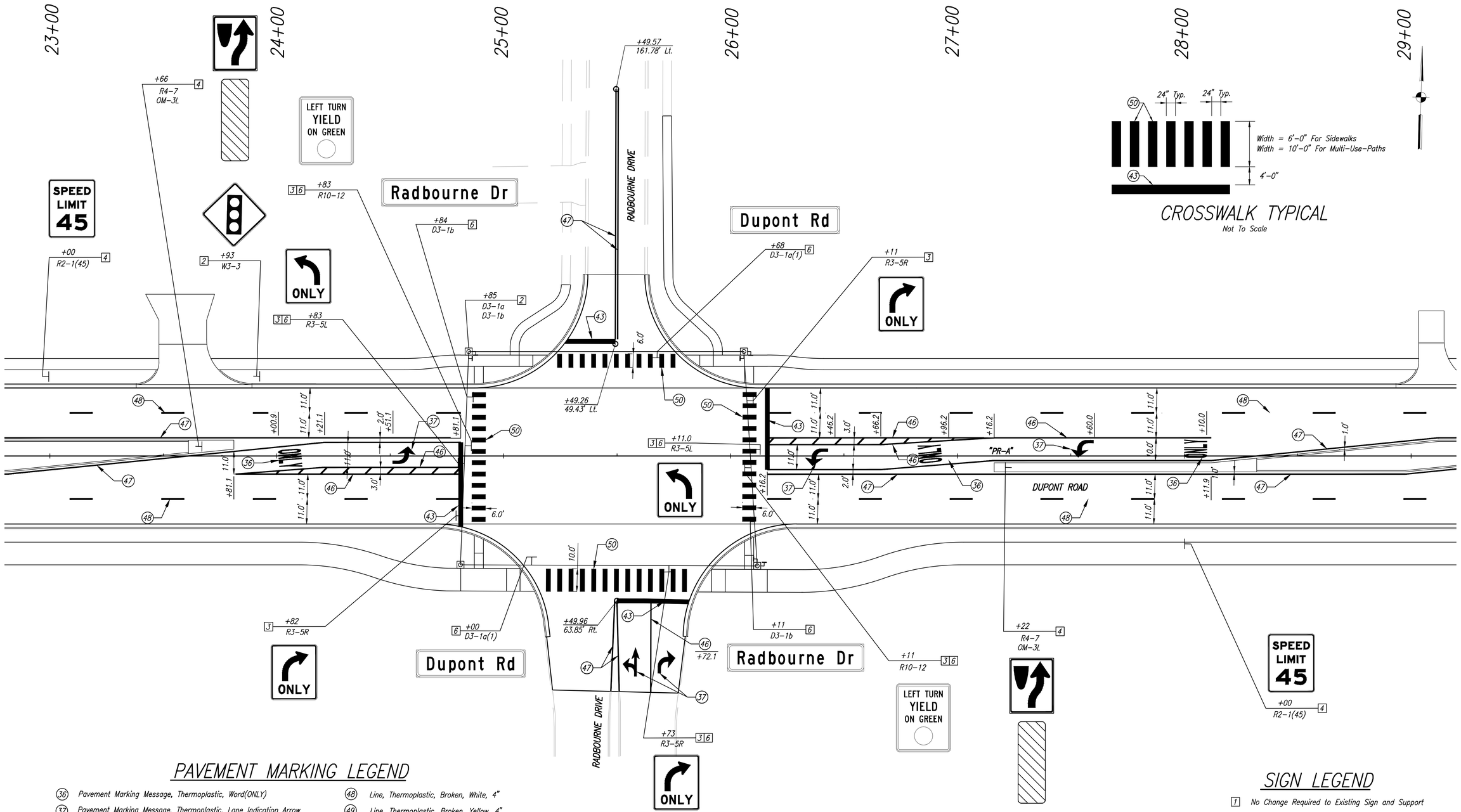
File Name: P:\C30\11-401\Road\Dwg\Plans\Marking & Sign Details.dwg Plot Date: 1/30/2014 Plotted By: Nimz, John



PAVEMENT MARKING LEGEND

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- (50) Transverse Markings, Thermoplastic, Crosswalk, White, 24", 36" Spacing
- Ground Mounted Sheet Sign
- Pavement Marking Remove

SIGN LEGEND

1. No Change Required to Existing Sign and Support
2. Remove Existing Sign and Supports
3. Remove Existing Sheet Sign
4. New Sheet Sign on New Ground Mounted Supports
5. New Sheet Sign on Existing Supports
6. New Overhead Sheet Sign

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PAVEMENT MARKING & SIGNING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
.	83 of 183
CONTRACT	PROJECT
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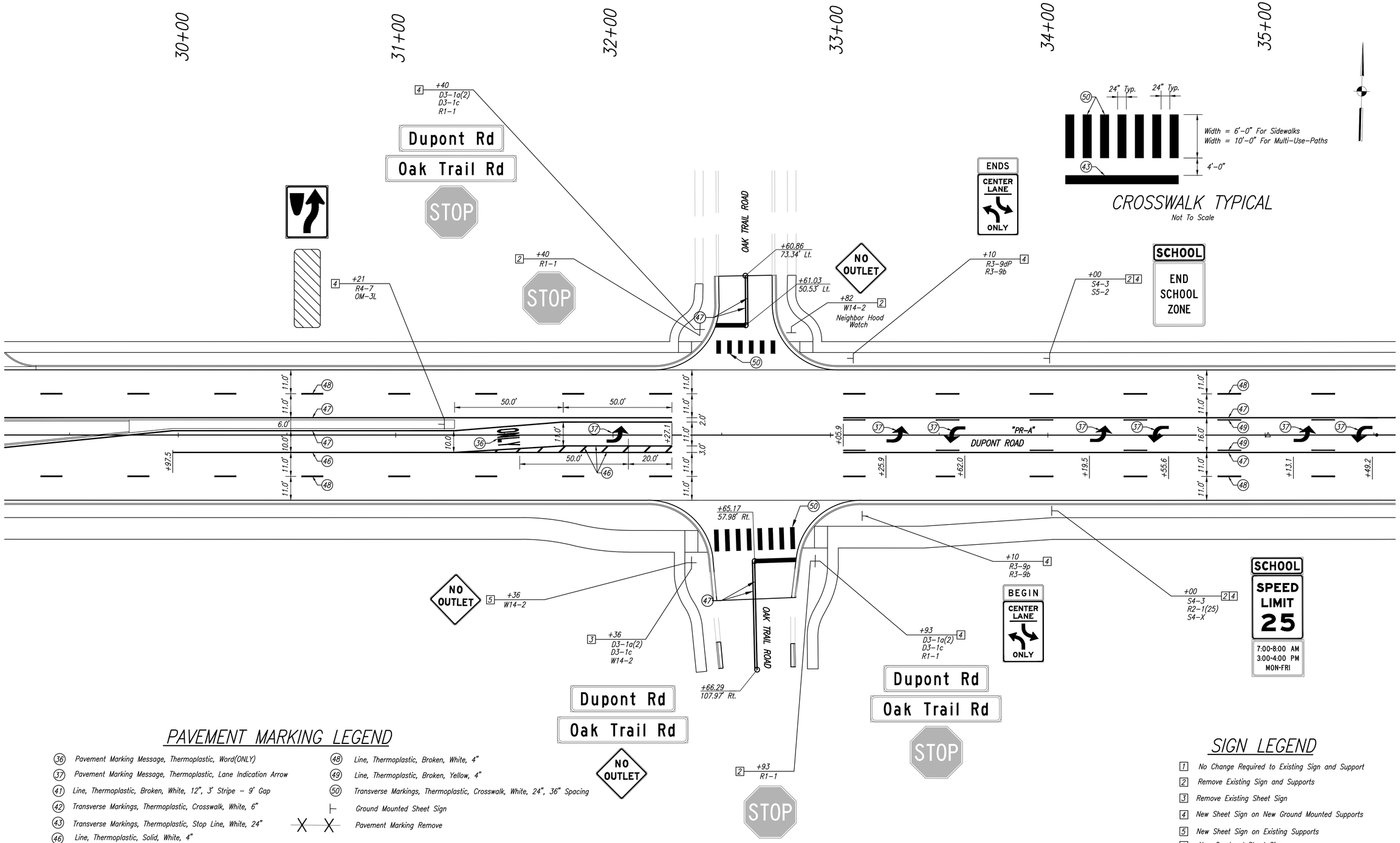
File Name: P:\C320\11-401\Road\Dwg\Plans\Marking & Sign Details.dwg Plot Date: 1/30/2014 Plotted By: Nimz, John



PAVEMENT MARKING LEGEND

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- (50) Transverse Markings, Thermoplastic, Crosswalk, White, 24", 36" Spacing
- Ground Mounted Sheet Sign
- Pavement Marking Remove

SIGN LEGEND

- 1 No Change Required to Existing Sign and Support
- 2 Remove Existing Sign and Supports
- 3 Remove Existing Sheet Sign
- 4 New Sheet Sign on New Ground Mounted Supports
- 5 New Sheet Sign on Existing Supports
- 6 New Overhead Sheet Sign

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INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
.	84 of 183
CONTRACT	PROJECT
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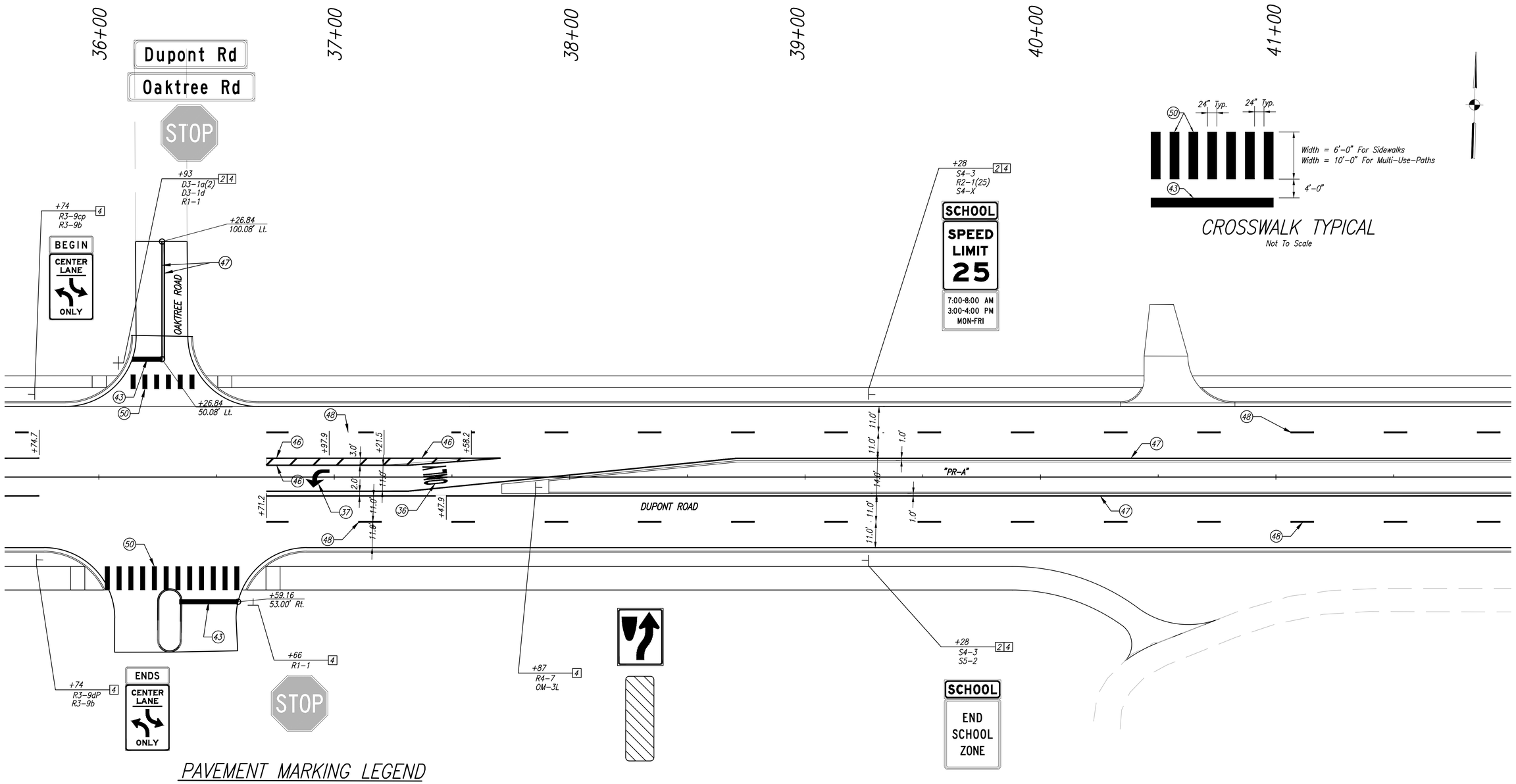
File Name: P:\C330\11-401\Road\Dwg\Plans\Marking & Sign Details.dwg Plot Date: 1/30/2014 Plotted By: Nimz, John



PAVEMENT MARKING LEGEND

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- Ground Mounted Sheet Sign
- Pavement Marking Remove

SIGN LEGEND

1. No Change Required to Existing Sign and Support
2. Remove Existing Sign and Supports
3. Remove Existing Sheet Sign
4. New Sheet Sign on New Ground Mounted Supports
5. New Sheet Sign on Existing Supports
6. New Overhead Sheet Sign

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PAVEMENT MARKING & SIGNING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
.	85 of 183
CONTRACT	PROJECT
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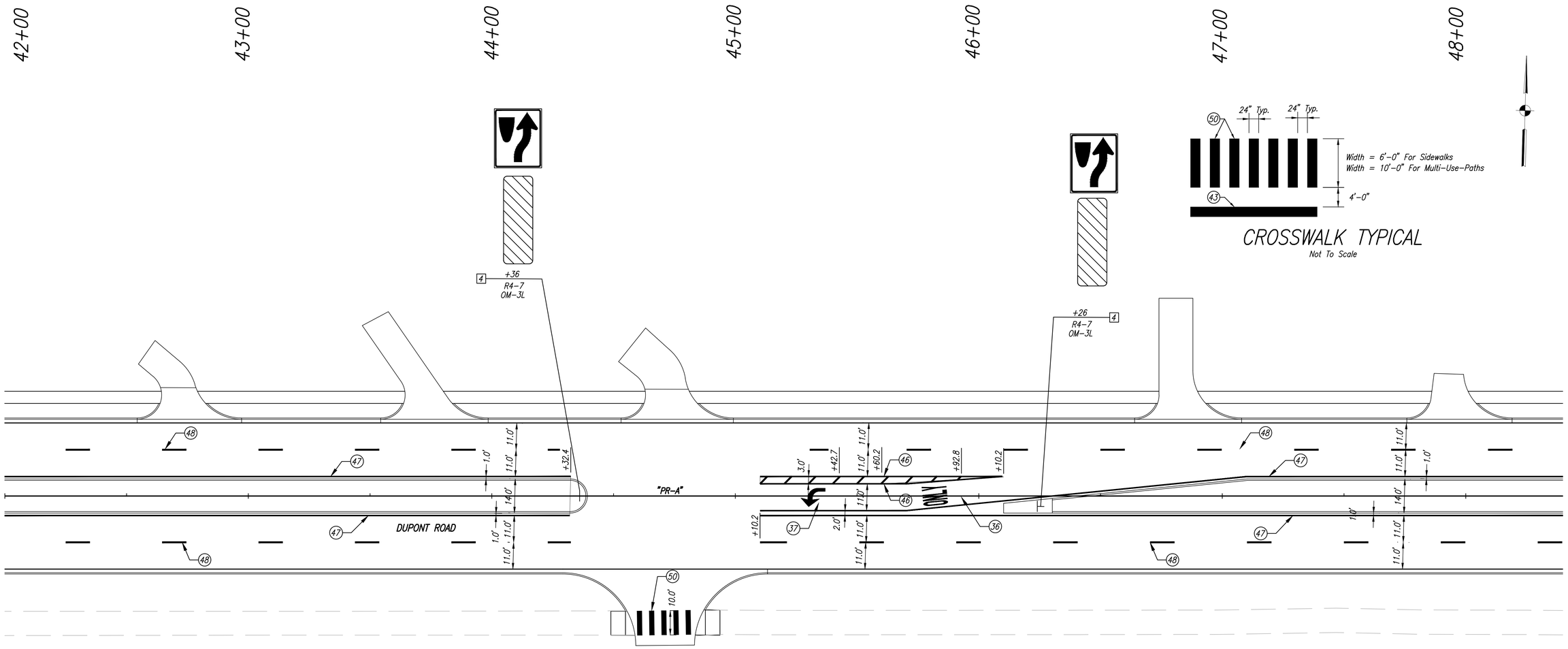
File Name: P:\CS31\11-401\Road\Dwg\Plans\Marking & Sign Details.dwg Plot Date: 1/30/2014 Plotted By: Nimz, John



SIGN LEGEND

1. No Change Required to Existing Sign and Support
2. Remove Existing Sign and Supports
3. Remove Existing Sheet Sign
4. New Sheet Sign on New Ground Mounted Supports
5. New Sheet Sign on Existing Supports
6. New Overhead Sheet Sign

PAVEMENT MARKING LEGEND

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CHECKED: JAR | CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
.	86 of 183
CONTRACT	PROJECT
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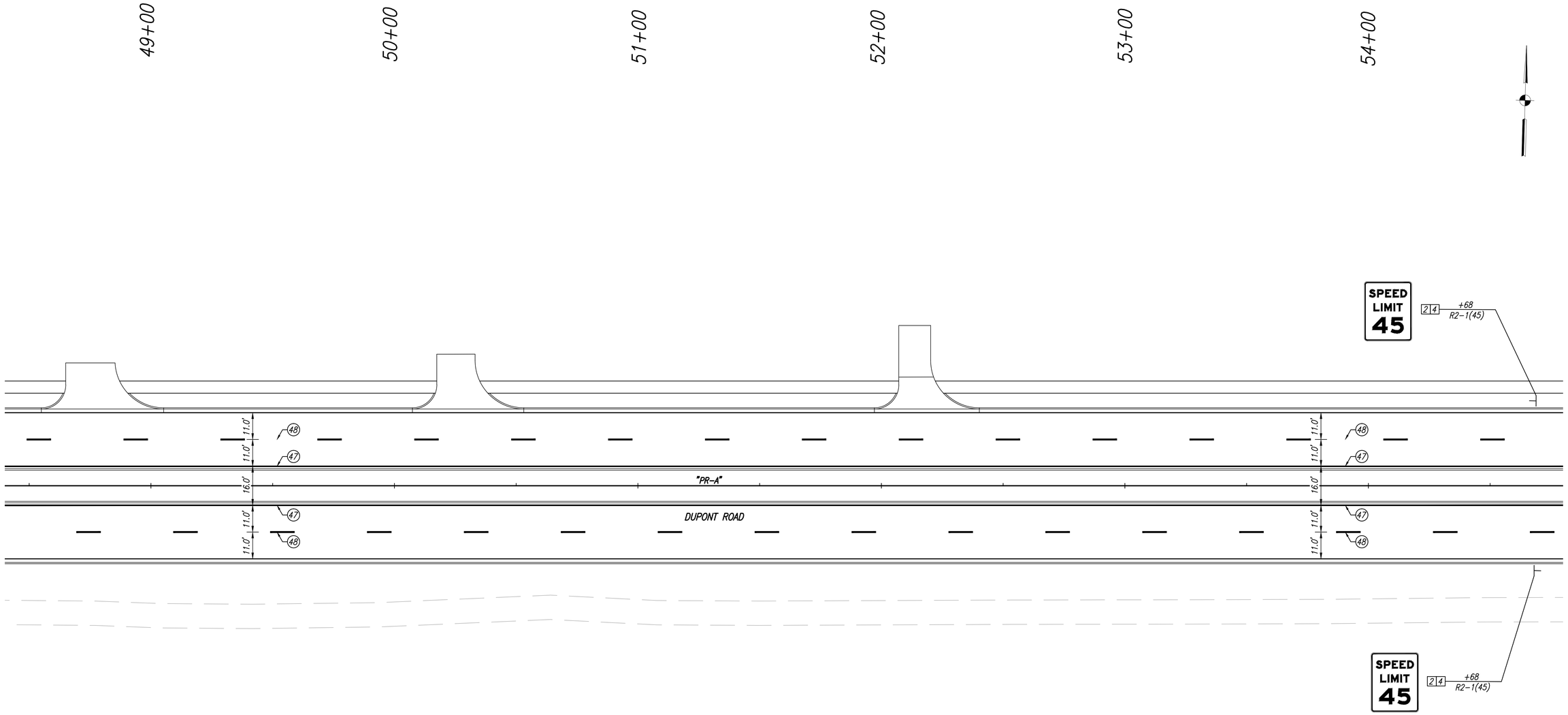
File Name: P:\C330\11-401\Road\Dwg\Plans\Marking & Sign Details.dwg Plot Date: 1/30/2014 Plotted By: Nimz, John



SIGN LEGEND

1. No Change Required to Existing Sign and Support
2. Remove Existing Sign and Supports
3. Remove Existing Sheet Sign
4. New Sheet Sign on New Ground Mounted Supports
5. New Sheet Sign on Existing Supports
6. New Overhead Sheet Sign

PAVEMENT MARKING LEGEND

- (36) Pavement Marking Message, Thermoplastic, Word(ONLY)
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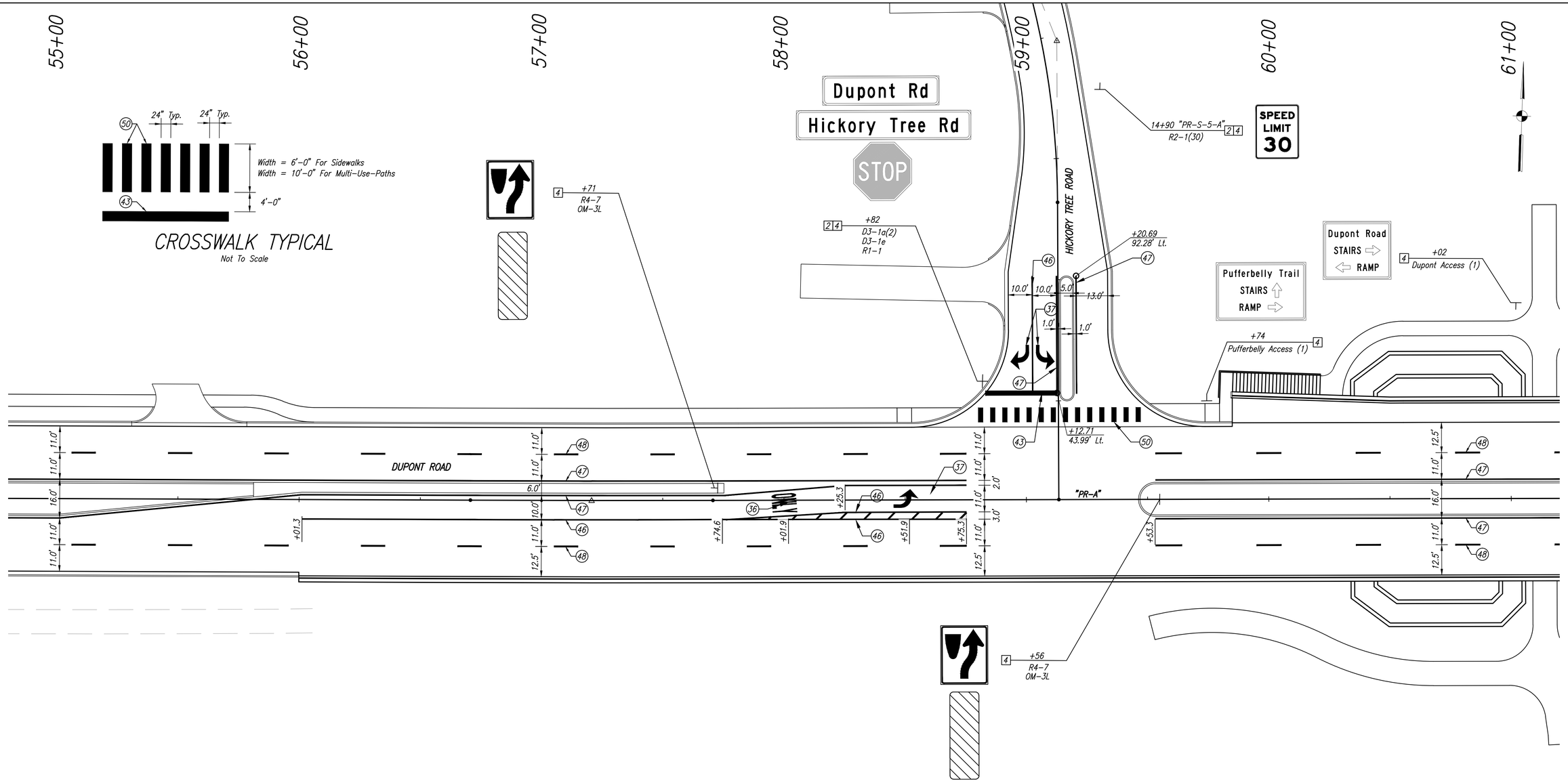
INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
.	87 of 183
CONTRACT	PROJECT
.	.

File Name: P:\C30\11-401\Road\Dwg\Plans\Marking & Sign Details.dwg Plot Date: 1/30/2014 Plotted By: Nimz, John



SIGN LEGEND

1. No Change Required to Existing Sign and Support
2. Remove Existing Sign and Supports
3. Remove Existing Sheet Sign
4. New Sheet Sign on New Ground Mounted Supports
5. New Sheet Sign on Existing Supports
6. New Overhead Sheet Sign

PAVEMENT MARKING LEGEND

- (36) Pavement Marking Message, Thermoplastic, Word(ONLY)
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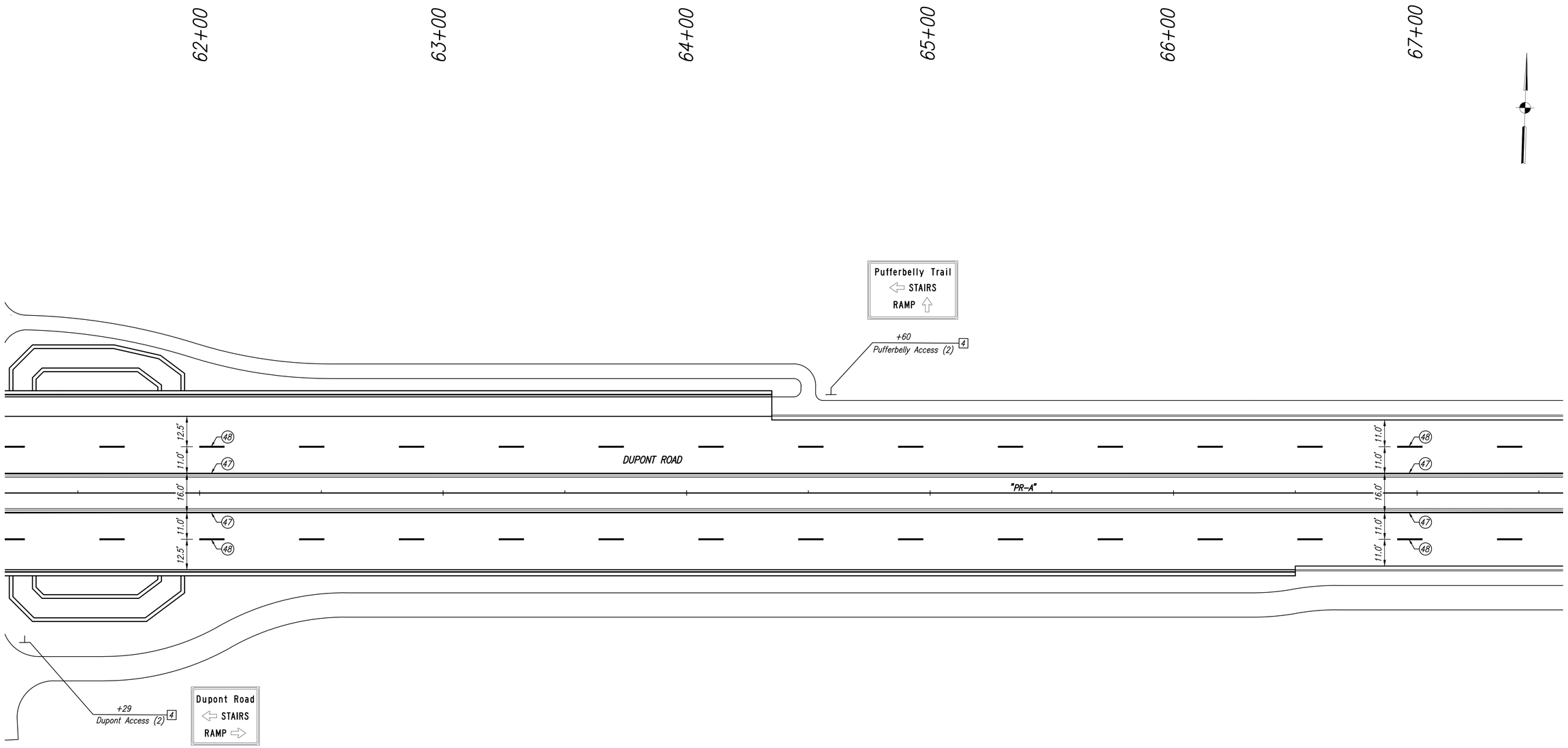
INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
.	88 of 183
CONTRACT	PROJECT
.	.

File Name: P:\LCSD\11-401\Road\Dwg\Plans\Marking & Sign Details.dwg Plot Date: 1/30/2014 Plotted By: Nimz, John



SIGN LEGEND

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3. Remove Existing Sheet Sign
4. New Sheet Sign on New Ground Mounted Supports
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PAVEMENT MARKING LEGEND

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- (50) Transverse Markings, Thermoplastic, Crosswalk, White, 24", 36" Spacing
- Ground Mounted Sheet Sign
- Pavement Marking Remove

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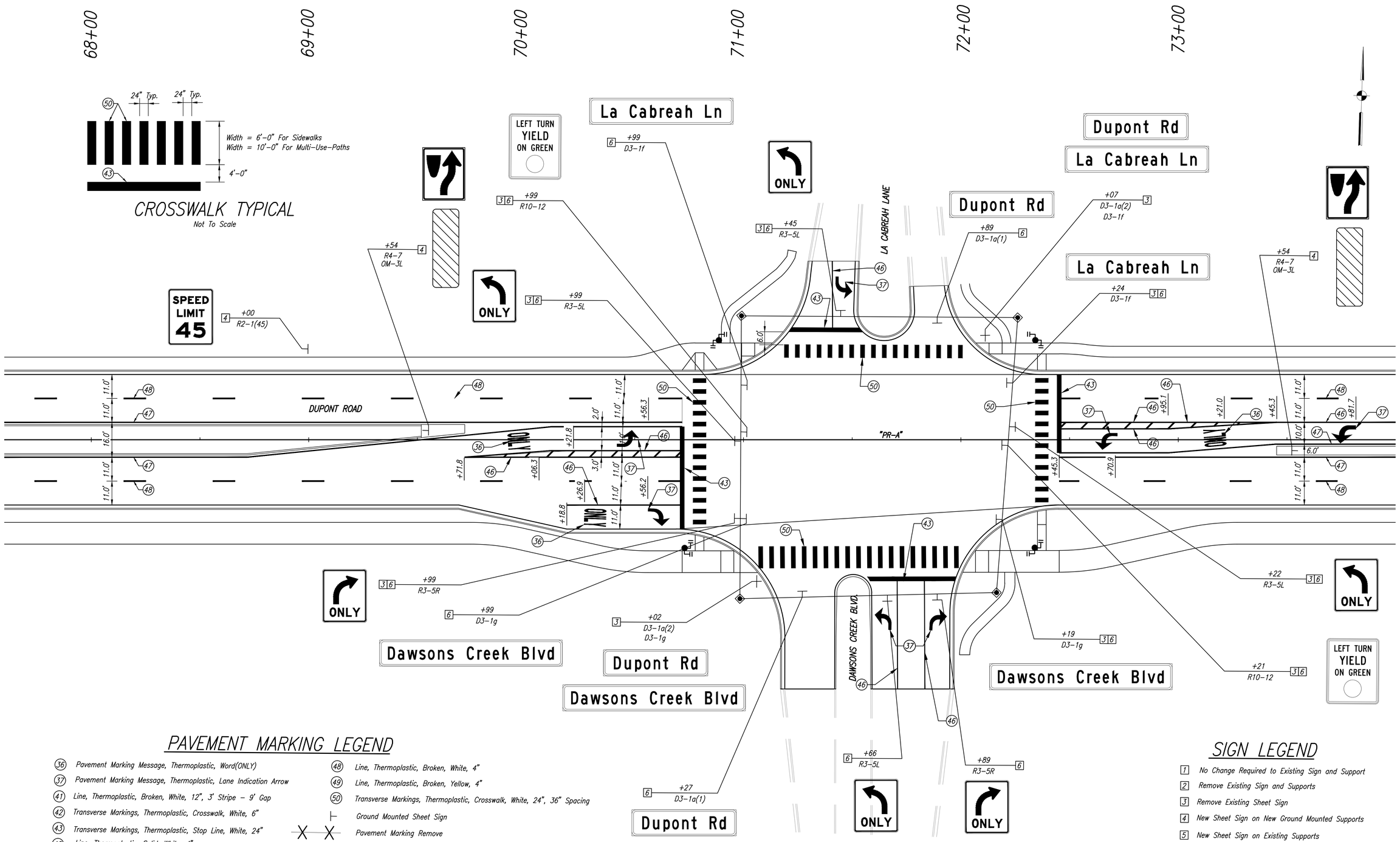
DESIGNED: WDN | DRAWN: MAC
CHECKED: JAR | CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
.	89 of 183
CONTRACT	PROJECT
.	.

File Name: P:\(C20)11-401\Road\Dwg\Plans\Marking & Sign Details.dwg Plot Date: 1/30/2014 Plotted By: Winz, John



PAVEMENT MARKING LEGEND

- (36) Pavement Marking Message, Thermoplastic, Word(ONLY)
- (37) Pavement Marking Message, Thermoplastic, Lane Indication Arrow
- (41) Line, Thermoplastic, Broken, White, 12", 3' Stripe – 9' Gap
- (42) Transverse Markings, Thermoplastic, Crosswalk, White, 6"
- (43) Transverse Markings, Thermoplastic, Stop Line, White, 24"
- (46) Line, Thermoplastic, Solid, White, 4"
- (47) Line, Thermoplastic, Solid, Yellow, 4"
- (48) Line, Thermoplastic, Broken, White, 4"
- (49) Line, Thermoplastic, Broken, Yellow, 4"
- (50) Transverse Markings, Thermoplastic, Crosswalk, White, 24", 36" Spacing
- Ground Mounted Sheet Sign
- Pavement Marking Remove

SIGN LEGEND

1. No Change Required to Existing Sign and Support
2. Remove Existing Sign and Supports
3. Remove Existing Sheet Sign
4. New Sheet Sign on New Ground Mounted Supports
5. New Sheet Sign on Existing Supports
6. New Overhead Sheet Sign

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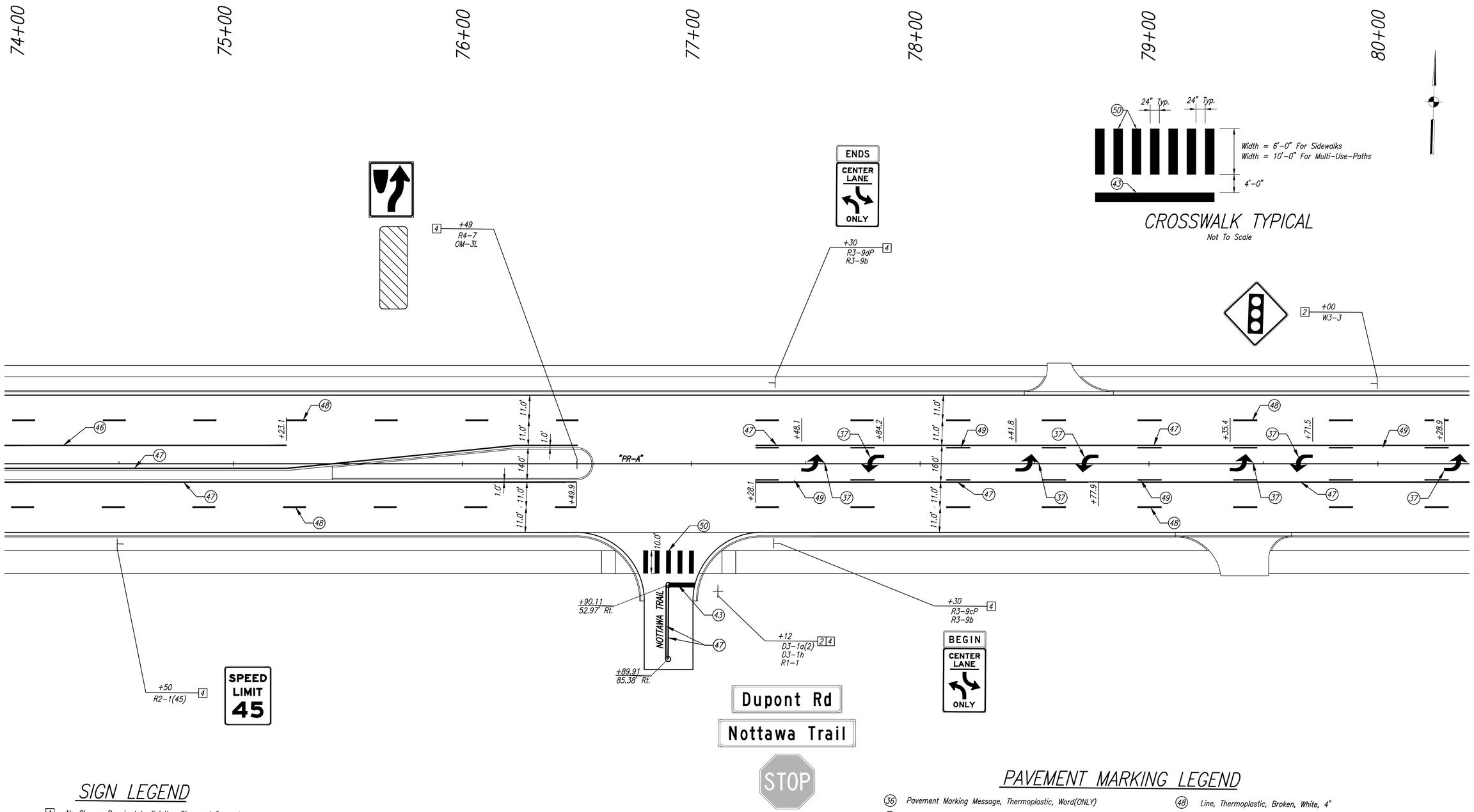
CHECKED: JAR | CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
.	90 of 183
CONTRACT	PROJECT
.	.

File Name: P:\(C30)\11-401\Road\Dwg\Plans\Marking & Sign Details.dwg Plot Date: 1/30/2014 Plotted By: Nimz, John



SIGN LEGEND

1. No Change Required to Existing Sign and Support
2. Remove Existing Sign and Supports
3. Remove Existing Sheet Sign
4. New Sheet Sign on New Ground Mounted Supports
5. New Sheet Sign on Existing Supports
6. New Overhead Sheet Sign

PAVEMENT MARKING LEGEND

- (36) Pavement Marking Message, Thermoplastic, Word(ONLY)
- (37) Pavement Marking Message, Thermoplastic, Lane Indication Arrow
- (41) Line, Thermoplastic, Broken, White, 12", 3' Stripe – 9' Gap
- (42) Transverse Markings, Thermoplastic, Crosswalk, White, 6"
- (43) Transverse Markings, Thermoplastic, Stop Line, White, 24"
- (46) Line, Thermoplastic, Solid, White, 4"
- (47) Line, Thermoplastic, Solid, Yellow, 4"
- (48) Line, Thermoplastic, Broken, White, 4"
- (49) Line, Thermoplastic, Broken, Yellow, 4"
- (50) Transverse Markings, Thermoplastic, Crosswalk, White, 24", 36" Spacing
- Ground Mounted Sheet Sign
- Pavement Marking Remove

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CHECKED: JAR | CHECKED: JAR

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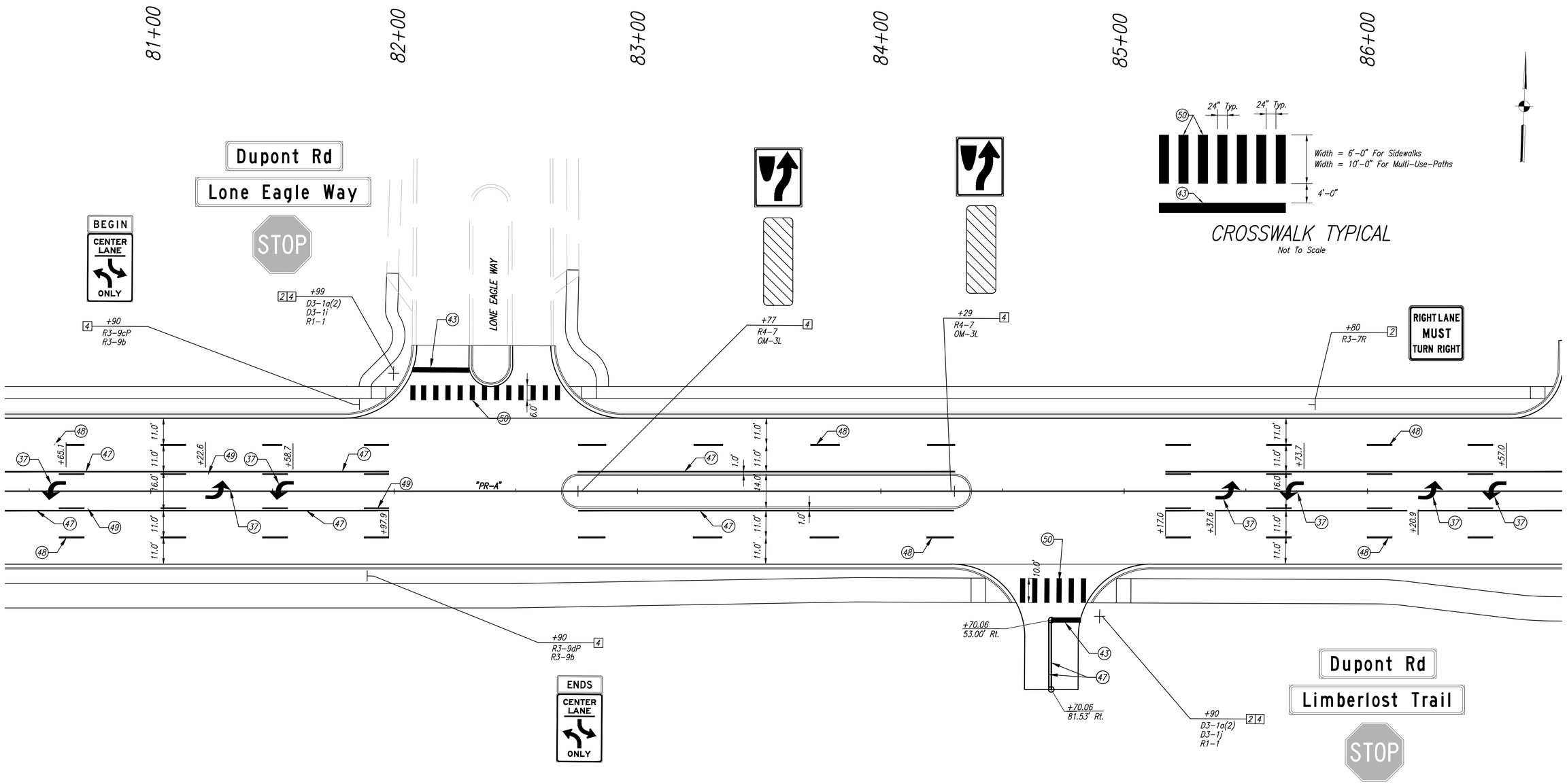
PAVEMENT MARKING & SIGNING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
.	91 of 183
CONTRACT	PROJECT
.	.

File Name: P:\(230)11-401\Road\Dwg\Plans\Marking & Sign Details.dwg Plot Date: 1/30/2014 Plotted By: Nimz, John



PAVEMENT MARKING LEGEND

- (36) Pavement Marking Message, Thermoplastic, Word(ONLY)
- (37) Pavement Marking Message, Thermoplastic, Lane Indication Arrow
- (41) Line, Thermoplastic, Broken, White, 12", 3' Stripe – 9' Gap
- (42) Transverse Markings, Thermoplastic, Crosswalk, White, 6"
- (43) Transverse Markings, Thermoplastic, Stop Line, White, 24"
- (46) Line, Thermoplastic, Solid, White, 4"
- (47) Line, Thermoplastic, Solid, Yellow, 4"
- (48) Line, Thermoplastic, Broken, White, 4"
- (49) Line, Thermoplastic, Broken, Yellow, 4"
- (50) Transverse Markings, Thermoplastic, Crosswalk, White, 24", 36" Spacing
- Ground Mounted Sheet Sign
- Pavement Marking Remove

SIGN LEGEND

- [1] No Change Required to Existing Sign and Support
- [2] Remove Existing Sign and Supports
- [3] Remove Existing Sheet Sign
- [4] New Sheet Sign on New Ground Mounted Supports
- [5] New Sheet Sign on Existing Supports
- [6] New Overhead Sheet Sign

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CHECKED: JAR | CHECKED: JAR

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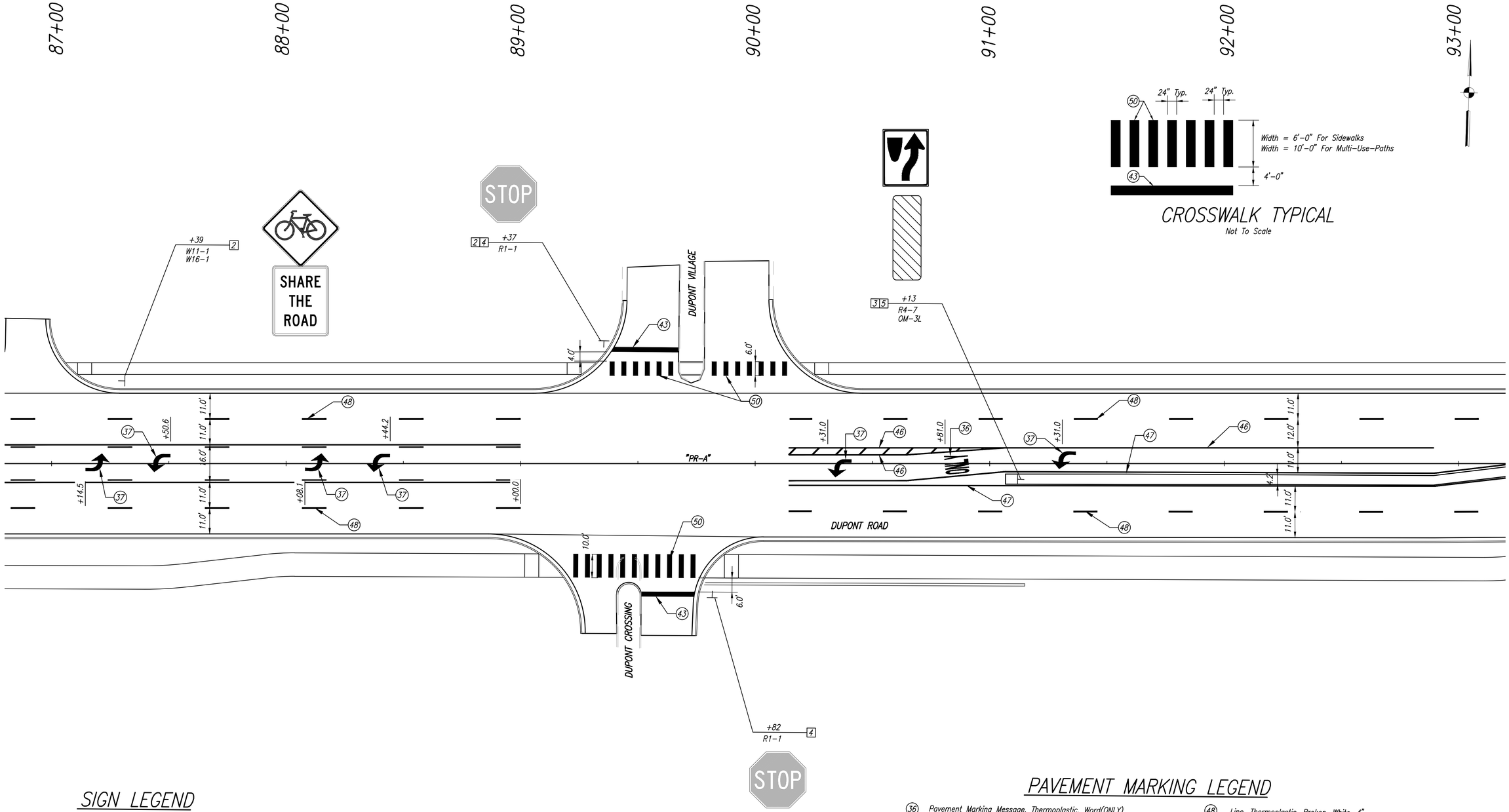
PAVEMENT MARKING & SIGNING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
.	92 of 183
CONTRACT	PROJECT
.	.

File Name: P:\C330\11-401\Road\Dwg\Plans\Marking & Sign Details.dwg Plot Date: 1/30/2014 Plotted By: Nimz, John



SIGN LEGEND

1. No Change Required to Existing Sign and Support
2. Remove Existing Sign and Supports
3. Remove Existing Sheet Sign
4. New Sheet Sign on New Ground Mounted Supports
5. New Sheet Sign on Existing Supports
6. New Overhead Sheet Sign

PAVEMENT MARKING LEGEND

- (36) Pavement Marking Message, Thermoplastic, Word(ONLY)
- (37) Pavement Marking Message, Thermoplastic, Lane Indication Arrow
- (41) Line, Thermoplastic, Broken, White, 12", 3' Stripe – 9' Gap
- (42) Transverse Markings, Thermoplastic, Crosswalk, White, 6"
- (43) Transverse Markings, Thermoplastic, Stop Line, White, 24"
- (46) Line, Thermoplastic, Solid, White, 4"
- (47) Line, Thermoplastic, Solid, Yellow, 4"
- (48) Line, Thermoplastic, Broken, White, 4"
- (49) Line, Thermoplastic, Broken, Yellow, 4"
- (50) Transverse Markings, Thermoplastic, Crosswalk, White, 24", 36" Spacing
- Ground Mounted Sheet Sign
- Pavement Marking Remove

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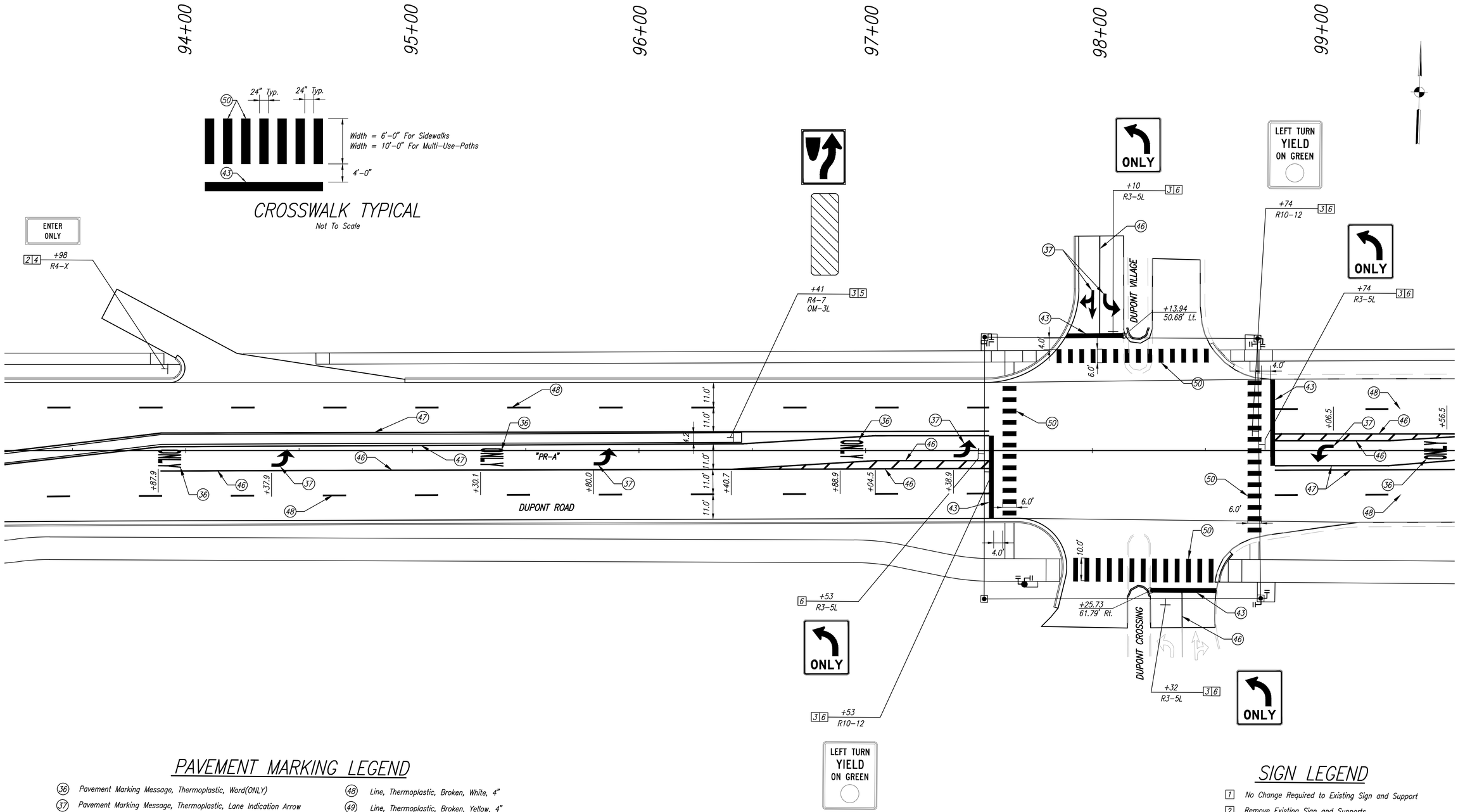
PAVEMENT MARKING & SIGNING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
.	93 of 183
CONTRACT	PROJECT
.	.

File Name: P:\C320\11-401\Road\Dwg\Plans\Marking & Sign Details.dwg Plot Date: 1/30/2014 Plotted By: Nimz, John



PAVEMENT MARKING LEGEND

- (36) Pavement Marking Message, Thermoplastic, Word(ONLY)
- (37) Pavement Marking Message, Thermoplastic, Lane Indication Arrow
- (41) Line, Thermoplastic, Broken, White, 12", 3' Stripe – 9' Gap
- (42) Transverse Markings, Thermoplastic, Crosswalk, White, 6"
- (43) Transverse Markings, Thermoplastic, Stop Line, White, 24"
- (46) Line, Thermoplastic, Solid, White, 4"
- (47) Line, Thermoplastic, Solid, Yellow, 4"
- (48) Line, Thermoplastic, Broken, White, 4"
- (49) Line, Thermoplastic, Broken, Yellow, 4"
- (50) Transverse Markings, Thermoplastic, Crosswalk, White, 24", 36" Spacing
- Ground Mounted Sheet Sign
- Pavement Marking Remove

SIGN LEGEND

1. No Change Required to Existing Sign and Support
2. Remove Existing Sign and Supports
3. Remove Existing Sheet Sign
4. New Sheet Sign on New Ground Mounted Supports
5. New Sheet Sign on Existing Supports
6. New Overhead Sheet Sign

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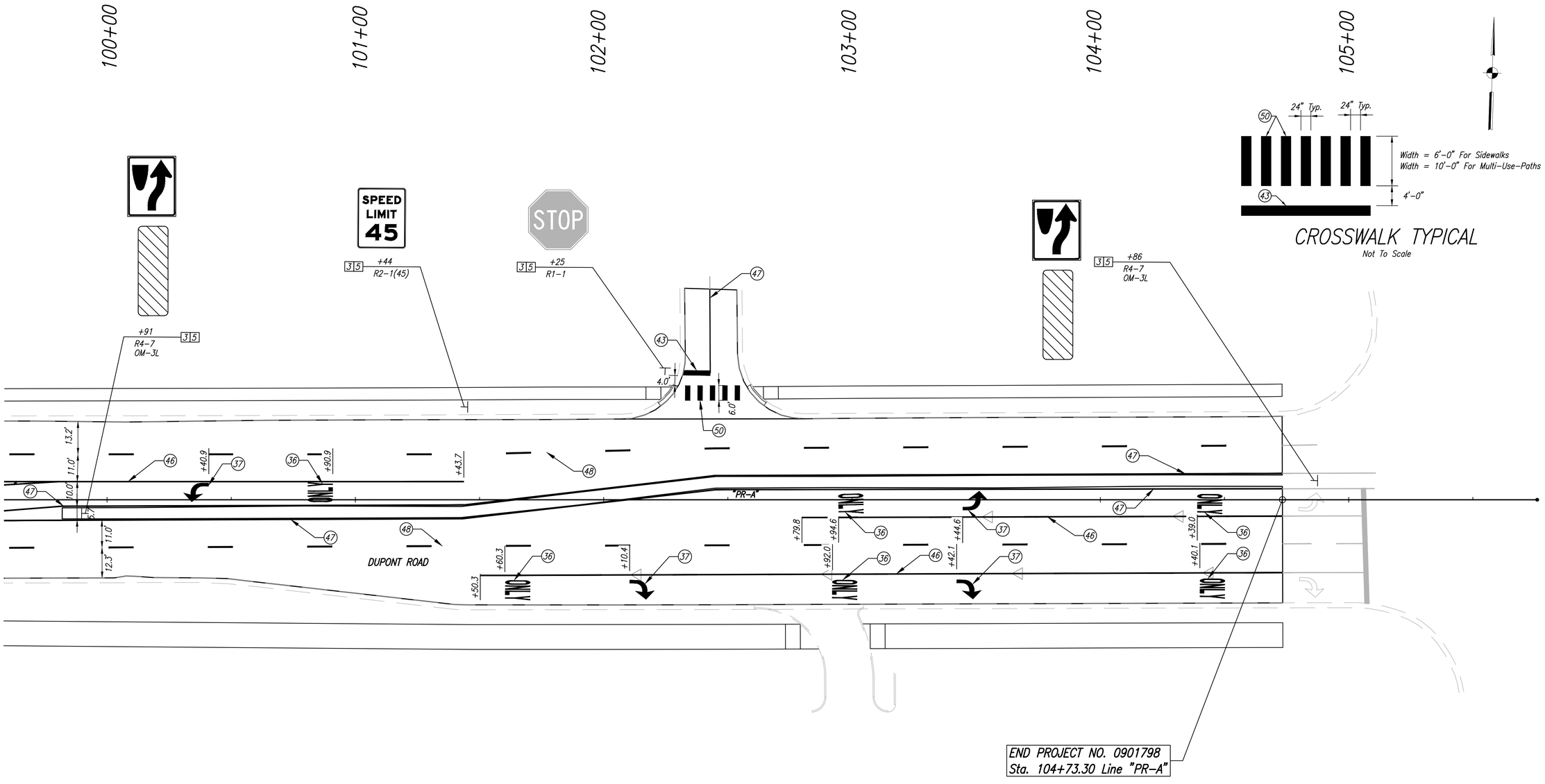
PAVEMENT MARKING & SIGNING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
.	94 of 183
CONTRACT	PROJECT
.	.

File Name: P:\C30\11-401\Road\Dwg\Plans\Marking & Sign Details.dwg Plot Date: 1/30/2014 Plotted By: Nimz, John



SIGN LEGEND

1. No Change Required to Existing Sign and Support
2. Remove Existing Sign and Supports
3. Remove Existing Sheet Sign
4. New Sheet Sign on New Ground Mounted Supports
5. New Sheet Sign on Existing Supports
6. New Overhead Sheet Sign

PAVEMENT MARKING LEGEND

- (36) Pavement Marking Message, Thermoplastic, Word(ONLY)
- (37) Pavement Marking Message, Thermoplastic, Lane Indication Arrow
- (41) Line, Thermoplastic, Broken, White, 12", 3' Stripe – 9' Gap
- (42) Transverse Markings, Thermoplastic, Crosswalk, White, 6"
- (43) Transverse Markings, Thermoplastic, Stop Line, White, 24"
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- (47) Line, Thermoplastic, Solid, Yellow, 4"
- (48) Line, Thermoplastic, Broken, White, 4"
- (49) Line, Thermoplastic, Broken, Yellow, 4"
- (50) Transverse Markings, Thermoplastic, Crosswalk, White, 24", 36" Spacing
- Ground Mounted Sheet Sign
- Pavement Marking Remove

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DESIGN ENGINEER DATE

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CHECKED: JAR CHECKED: JAR

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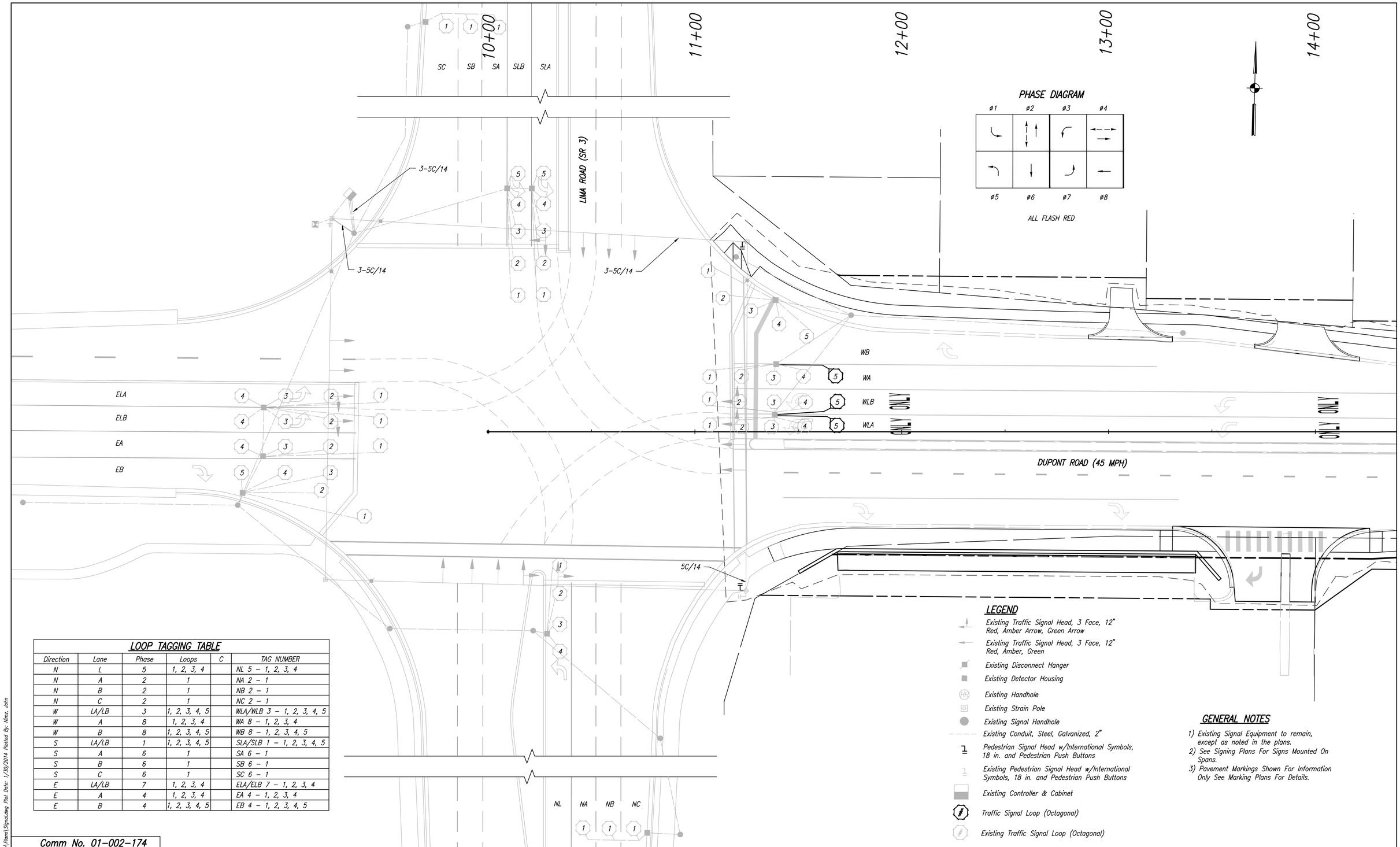
PAVEMENT MARKING & SIGNING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
.	95 of 183
CONTRACT	PROJECT
.	.

File Name: P:\C30\11-401\Road\Dwg\Plans\Marking & Sign Details.dwg Plot Date: 1/30/2014 Plotted By: Nimz, John



LOOP TAGGING TABLE

Direction	Lane	Phase	Loops	C	TAG NUMBER
N	L	5	1, 2, 3, 4		NL 5 – 1, 2, 3, 4
N	A	2	1		NA 2 – 1
N	B	2	1		NB 2 – 1
N	C	2	1		NC 2 – 1
W	LA/LB	3	1, 2, 3, 4, 5		WLA/WLB 3 – 1, 2, 3, 4, 5
W	A	8	1, 2, 3, 4		WA 8 – 1, 2, 3, 4
W	B	8	1, 2, 3, 4, 5		WB 8 – 1, 2, 3, 4, 5
S	LA/LB	1	1, 2, 3, 4, 5		SLA/SLB 1 – 1, 2, 3, 4, 5
S	A	6	1		SA 6 – 1
S	B	6	1		SB 6 – 1
S	C	6	1		SC 6 – 1
E	LA/LB	7	1, 2, 3, 4		ELA/ELB 7 – 1, 2, 3, 4
E	A	4	1, 2, 3, 4		EA 4 – 1, 2, 3, 4
E	B	4	1, 2, 3, 4, 5		EB 4 – 1, 2, 3, 4, 5

LEGEND

- Existing Traffic Signal Head, 3 Face, 12" Red, Amber Arrow, Green Arrow
- Existing Traffic Signal Head, 3 Face, 12" Red, Amber, Green
- Existing Disconnect Hanger
- Existing Detector Housing
- Existing Handhole
- Existing Strain Pole
- Existing Signal Handhole
- Existing Conduit, Steel, Galvanized, 2"
- Pedestrian Signal Head w/International Symbols, 18 in. and Pedestrian Push Buttons
- Existing Pedestrian Signal Head w/International Symbols, 18 in. and Pedestrian Push Buttons
- Existing Controller & Cabinet
- Traffic Signal Loop (Octagonal)
- Existing Traffic Signal Loop (Octagonal)

GENERAL NOTES

1) Existing Signal Equipment to remain, except as noted in the plans.
2) See Signing Plans For Signs Mounted On Spans.
3) Pavement Markings Shown For Information Only See Marking Plans For Details.

Comm No. 01-002-174

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CHECKED: JAR | CHECKED: JAR

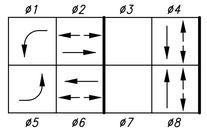
INDIANA DEPARTMENT OF TRANSPORTATION

SIGNAL DETAIL LIMA ROAD

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
NA	0901798
SURVEY BOOK	SHEETS
.	96 of 183
CONTRACT	PROJECT
.	.

File Name: P:\C20\11-401\Road\Dwg\Plans\Signal.dwg Plot Date: 1/30/2014 Plotted By: Nimz, John

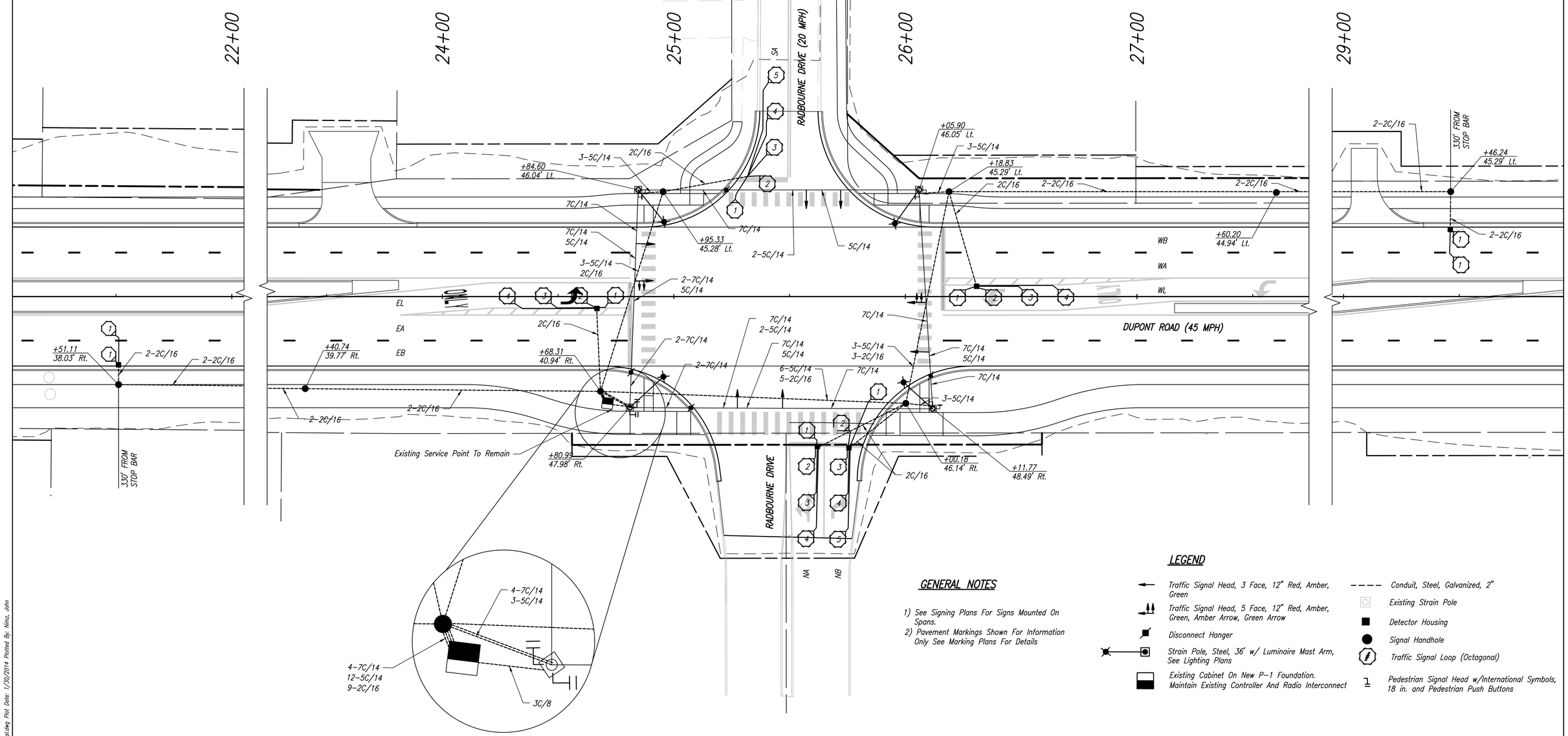
PHASE DIAGRAM



DUPONT ROAD IS PREFERENTIAL
DUPONT ROAD FLASHES AMBER
RADBOURNE FLASHES RED

LOOP TAGGING TABLE

Direction	Lane	Phase	Loops	C	TAG NUMBER
N	A	3	1, 2, 3, 4		NA3 – 1, 2, 3, 4
N	B	8	1, 2, 3, 4, 5		NB8 – 1, 2, 3, 4, 5
W	L	1	1, 2, 3, 4		WL1 – 1, 2, 3, 4
W	A	6	1		WA6 – 1
W	B	6	1		WB6 – 1
S	A	4	1, 2, 3, 4, 5		SA4 – 1, 2, 3, 4, 5
E	L	5	1, 2, 3, 4		EL5 – 1, 2, 3, 4
E	A	2	1		EA2 – 1
E	B	2	1		EB2 – 1



GENERAL NOTES

1) See Signing Plans For Signs Mounted On Spans.
2) Pavement Markings Shown For Information Only See Marking Plans For Details

LEGEND

- Traffic Signal Head, 3 Face, 12" Red, Amber, Green
- Traffic Signal Head, 5 Face, 12" Red, Amber, Green, Amber Arrow, Green Arrow
- Disconnect Hanger
- Strain Pole, Steel, 36' w/ Luminaire Mast Arm, See Lighting Plans
- Existing Cabinet On New P-1 Foundation. Maintain Existing Controller And Radio Interconnect
- Conduit, Steel, Galvanized, 2"
- Existing Strain Pole
- Detector Housing
- Signal Handhole
- Traffic Signal Loop (Octagonal)
- Pedestrian Signal Head w/International Symbols, 18 in. and Pedestrian Push Buttons

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DESIGN ENGINEER DATE

DESIGNED: WDN DRAWN: MAC
CHECKED: JAR CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

SIGNAL DETAIL RADBOURNE DRIVE

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
NA	0901798
SURVEY BOOK	SHEETS
###	97 of 183
CONTRACT	PROJECT
.	.

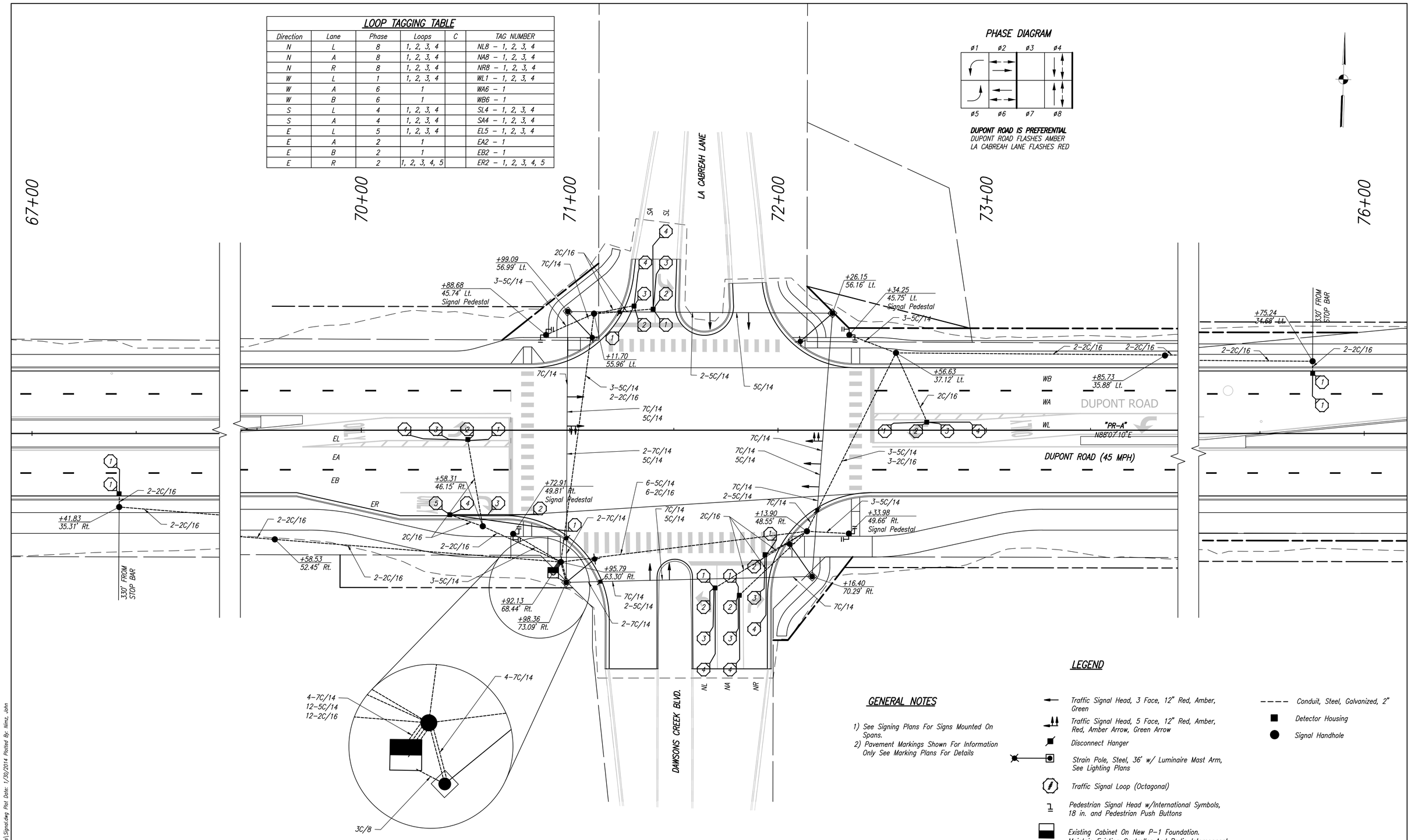
File Name: P:\(C3D)\11-401\Road\Dwg\Plans\Signal.dwg Plot Date: 1/30/2014 Plotted By: Nimz, John

LOOP TAGGING TABLE

Direction	Lane	Phase	Loops	C	TAG NUMBER
N	L	8	1, 2, 3, 4		NL8 – 1, 2, 3, 4
N	A	8	1, 2, 3, 4		NA8 – 1, 2, 3, 4
N	R	8	1, 2, 3, 4		NR8 – 1, 2, 3, 4
W	L	1	1, 2, 3, 4		WL1 – 1, 2, 3, 4
W	A	6	1		WA6 – 1
W	B	6	1		WB6 – 1
S	L	4	1, 2, 3, 4		SL4 – 1, 2, 3, 4
S	A	4	1, 2, 3, 4		SA4 – 1, 2, 3, 4
E	L	5	1, 2, 3, 4		EL5 – 1, 2, 3, 4
E	A	2	1		EA2 – 1
E	B	2	1		EB2 – 1
E	R	2	1, 2, 3, 4, 5		ER2 – 1, 2, 3, 4, 5

PHASE DIAGRAM

DUPONT ROAD IS PREFERENTIAL
DUPONT ROAD FLASHES AMBER
LA CABREAH LANE FLASHES RED



GENERAL NOTES

1) See Signing Plans For Signs Mounted On Spans.
2) Pavement Markings Shown For Information Only See Marking Plans For Details

LEGEND

- Traffic Signal Head, 3 Face, 12" Red, Amber, Green
- Traffic Signal Head, 5 Face, 12" Red, Amber, Red, Amber Arrow, Green Arrow
- Disconnect Hanger
- Strain Pole, Steel, 36' w/ Luminaire Mast Arm, See Lighting Plans
- Traffic Signal Loop (Octagonal)
- Pedestrian Signal Head w/International Symbols, 18 in. and Pedestrian Push Buttons
- Existing Cabinet On New P-1 Foundation. Maintain Existing Controller And Radio Interconnect
- Conduit, Steel, Galvanized, 2"
- Detector Housing
- Signal Handhole

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CHECKED: JAR | CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

SIGNAL DETAIL
LA CABREAH LANE

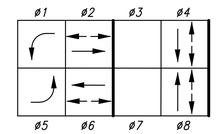
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
NA	0901798
SURVEY BOOK	SHEETS
.	98 of 183
CONTRACT	PROJECT
.	.

File Name: P:\(330) 11-401\Road\Dwg\Plans\Signal.dwg Plot Date: 1/30/2014 Plotted By: Nimz, John

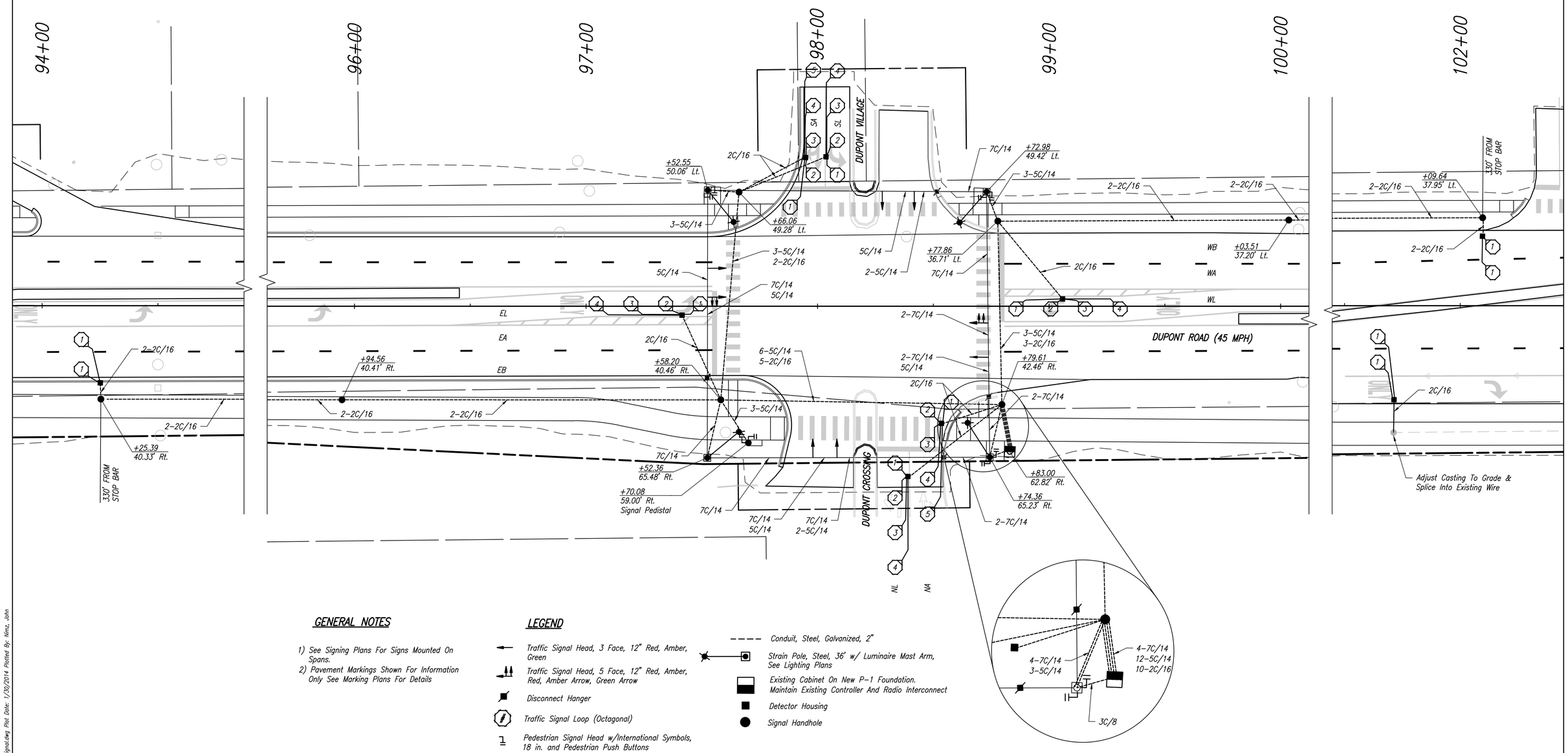
LOOP TAGGING TABLE

Direction	Lane	Phase	Loops	C	TAG NUMBER
N	L	8	1, 2, 3, 4		NL8 – 1, 2, 3, 4
N	A	8	1, 2, 3, 4, 5		NA8 – 1, 2, 3, 4, 5
W	L	1	1, 2, 3, 4		WL1 – 1, 2, 3, 4
W	A	6	1		WA6 – 1
W	B	6	1		WB6 – 1
S	L	4	1, 2, 3, 4		SL4 – 1, 2, 3, 4
S	A	4	1, 2, 3, 4, 5		SA4 – 1, 2, 3, 4, 5
E	L	5	1, 2, 3, 4		EL5 – 1, 2, 3, 4
E	A	2	1		EA2 – 1
E	B	2	1		EB2 – 1

PHASE DIAGRAM



DUPONT ROAD IS PREFERENTIAL
DUPONT ROAD FLASHES AMBER
DUPONT CROSSING FLASHES RED



GENERAL NOTES

1) See Signing Plans For Signs Mounted On Spans.
2) Pavement Markings Shown For Information Only See Marking Plans For Details

LEGEND

- Traffic Signal Head, 3 Face, 12" Red, Amber, Green
- Traffic Signal Head, 5 Face, 12" Red, Amber, Red, Amber Arrow, Green Arrow
- Disconnect Hanger
- Traffic Signal Loop (Octagonal)
- Pedestrian Signal Head w/International Symbols, 18 in. and Pedestrian Push Buttons
- Conduit, Steel, Galvanized, 2"
- Strain Pole, Steel, 36' w/ Luminaire Mast Arm, See Lighting Plans
- Existing Cabinet On New P-1 Foundation. Maintain Existing Controller And Radio Interconnect
- Detector Housing
- Signal Handhole

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DESIGN ENGINEER DATE

DESIGNED: WDN DRAWN: MAC
CHECKED: JAR CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

SIGNAL DETAIL DUPONT CROSSING

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
NA	0901798
SURVEY BOOK	SHEETS
.	99 of 183
CONTRACT	PROJECT
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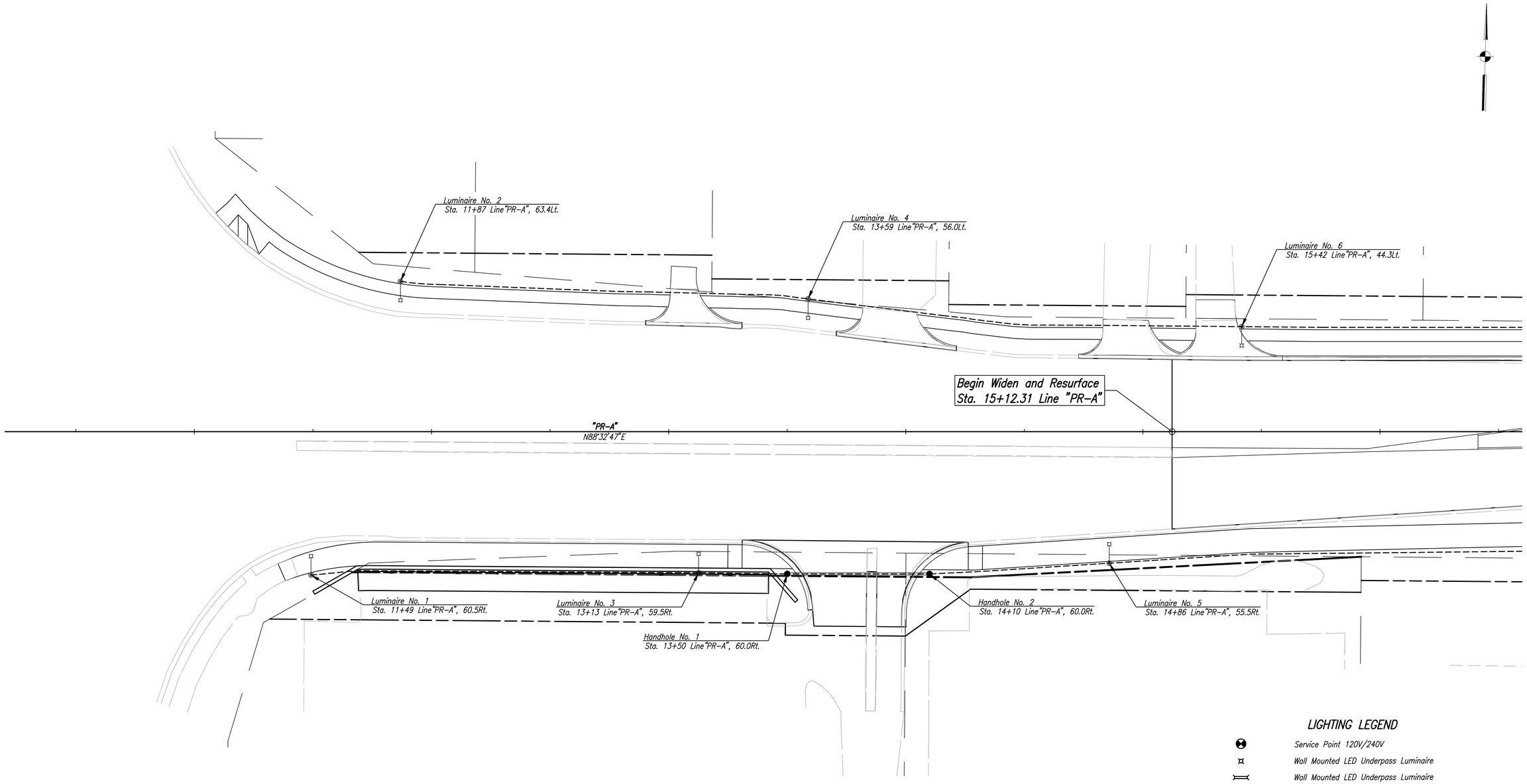
File Name: P:\C30\11-401\Road\Dwg\Plans\Signal.dwg Plot Date: 1/30/2014 Plotted By: Nimz, John



LIGHTING LEGEND

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1" = 20'	.
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
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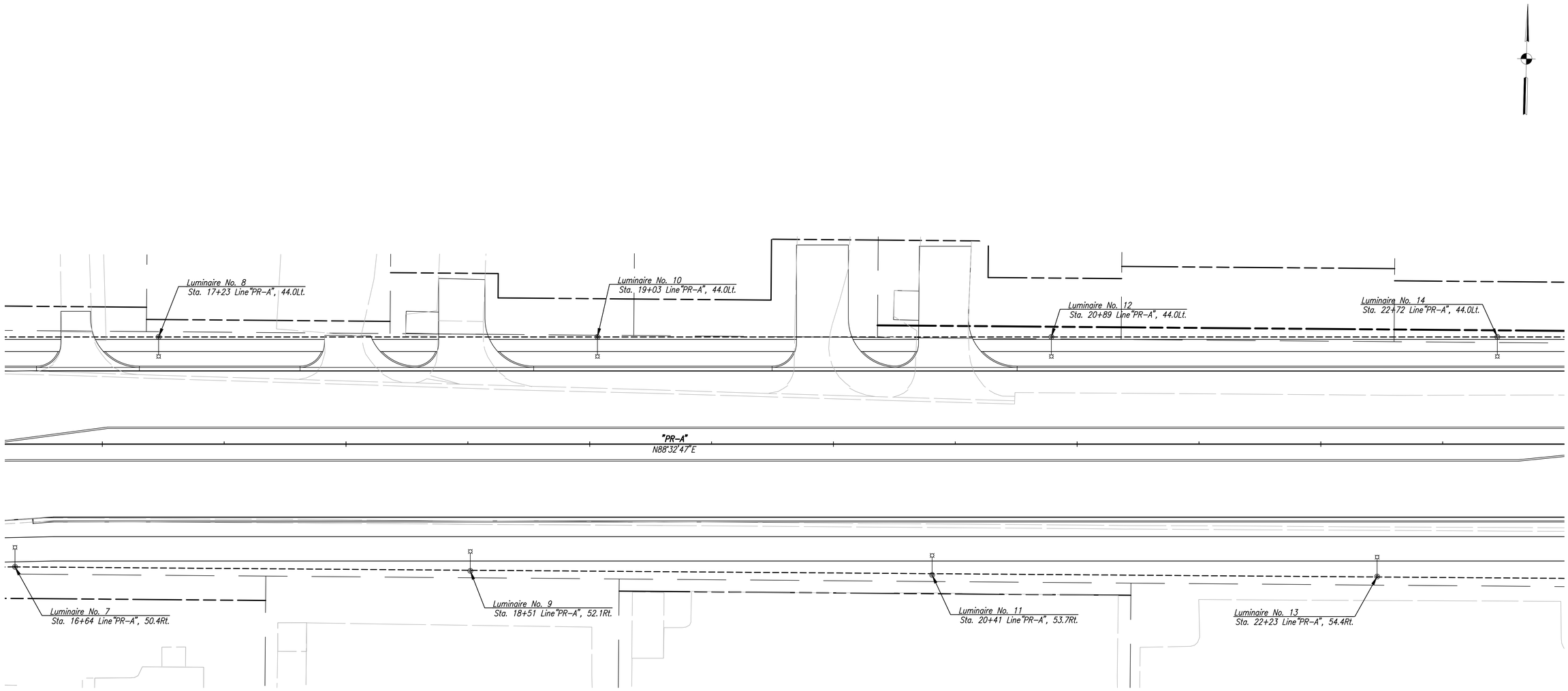

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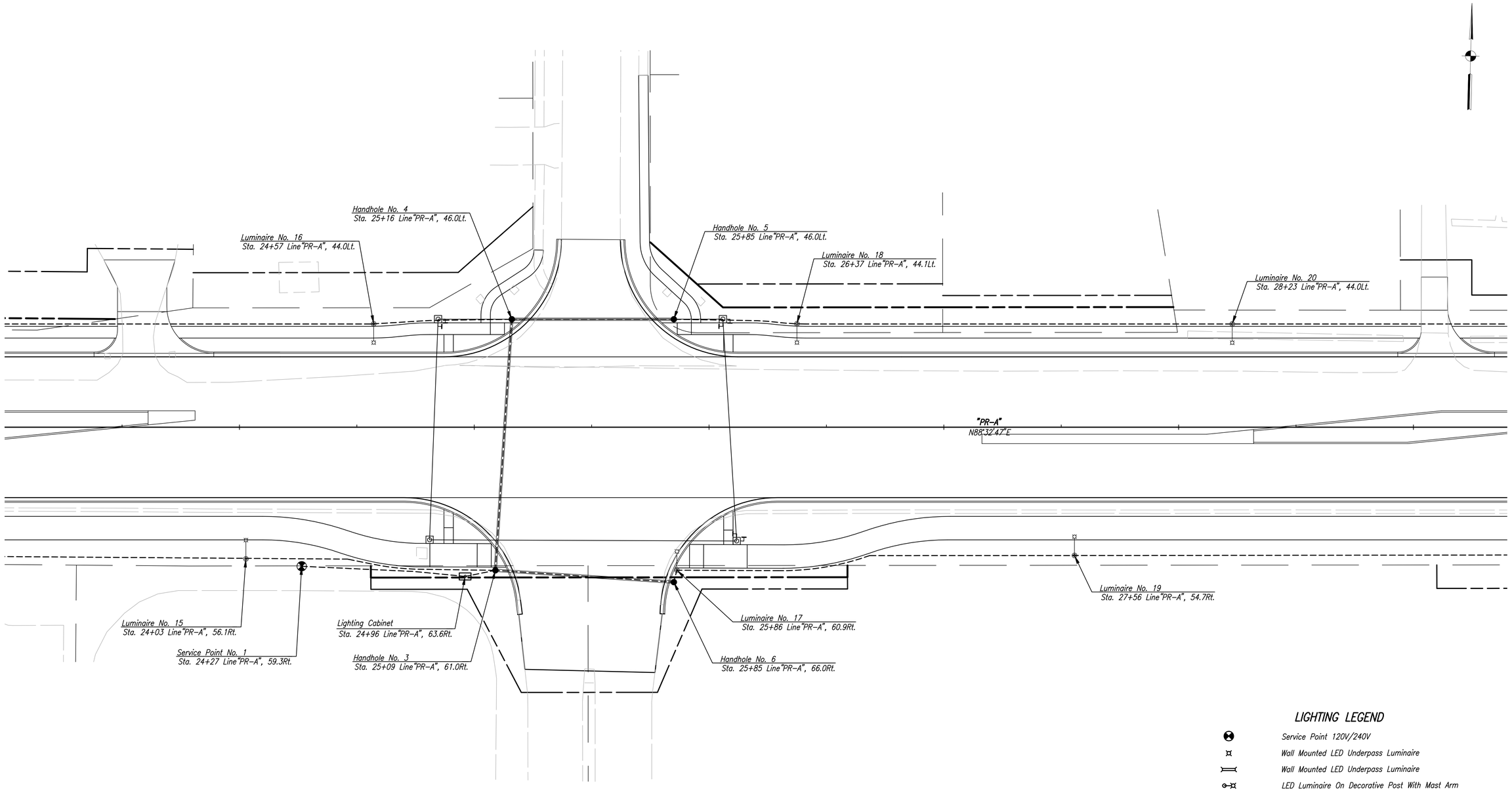

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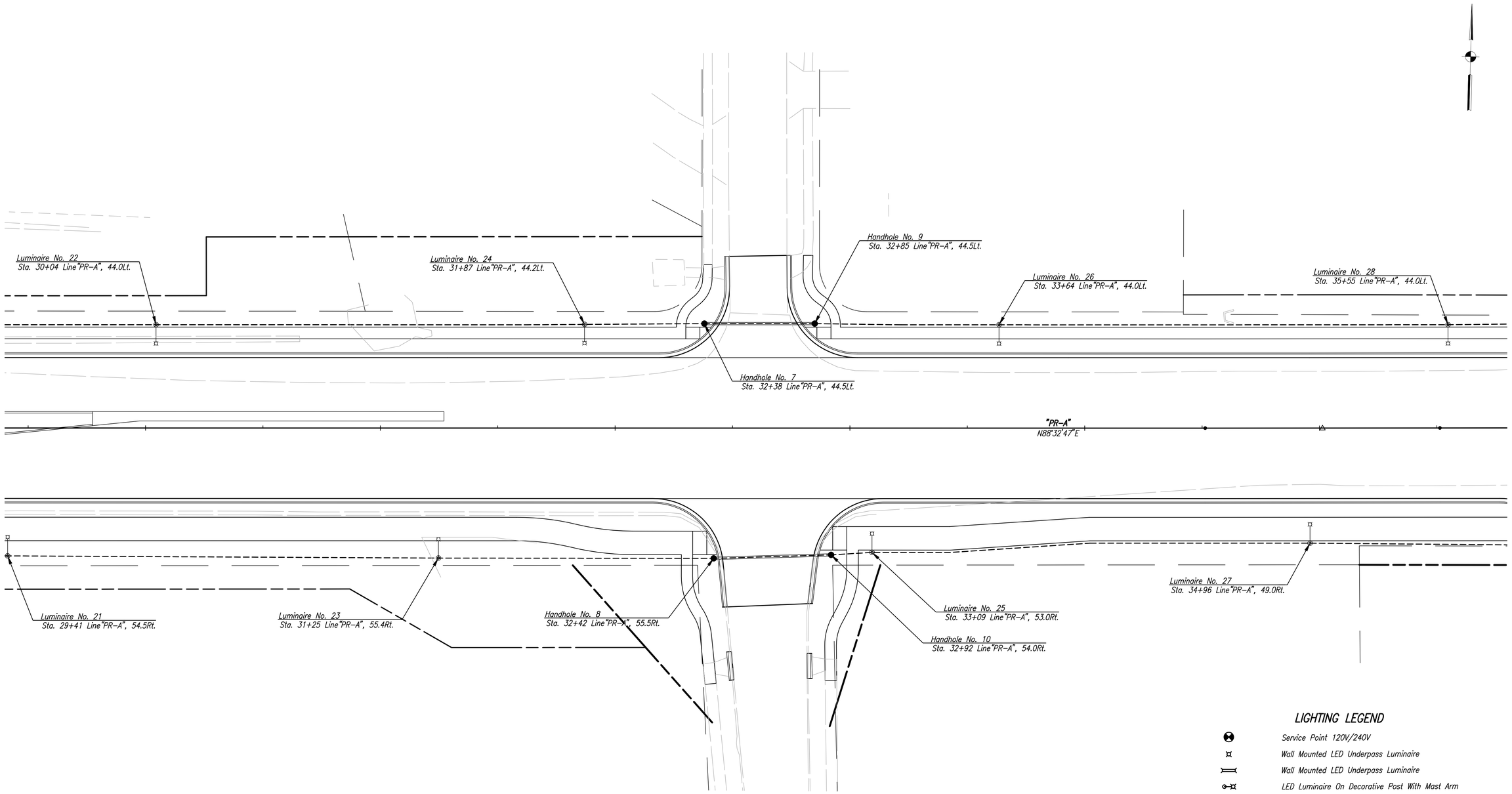

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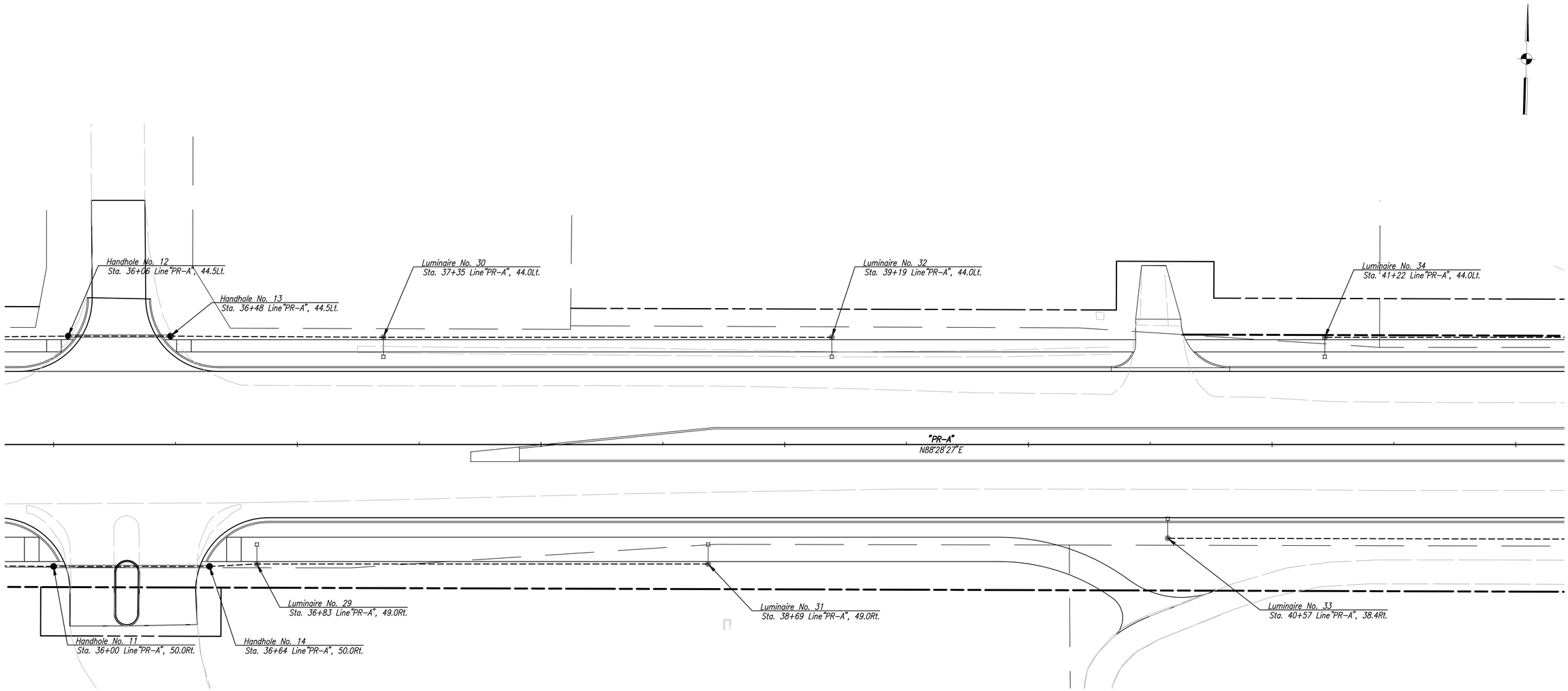

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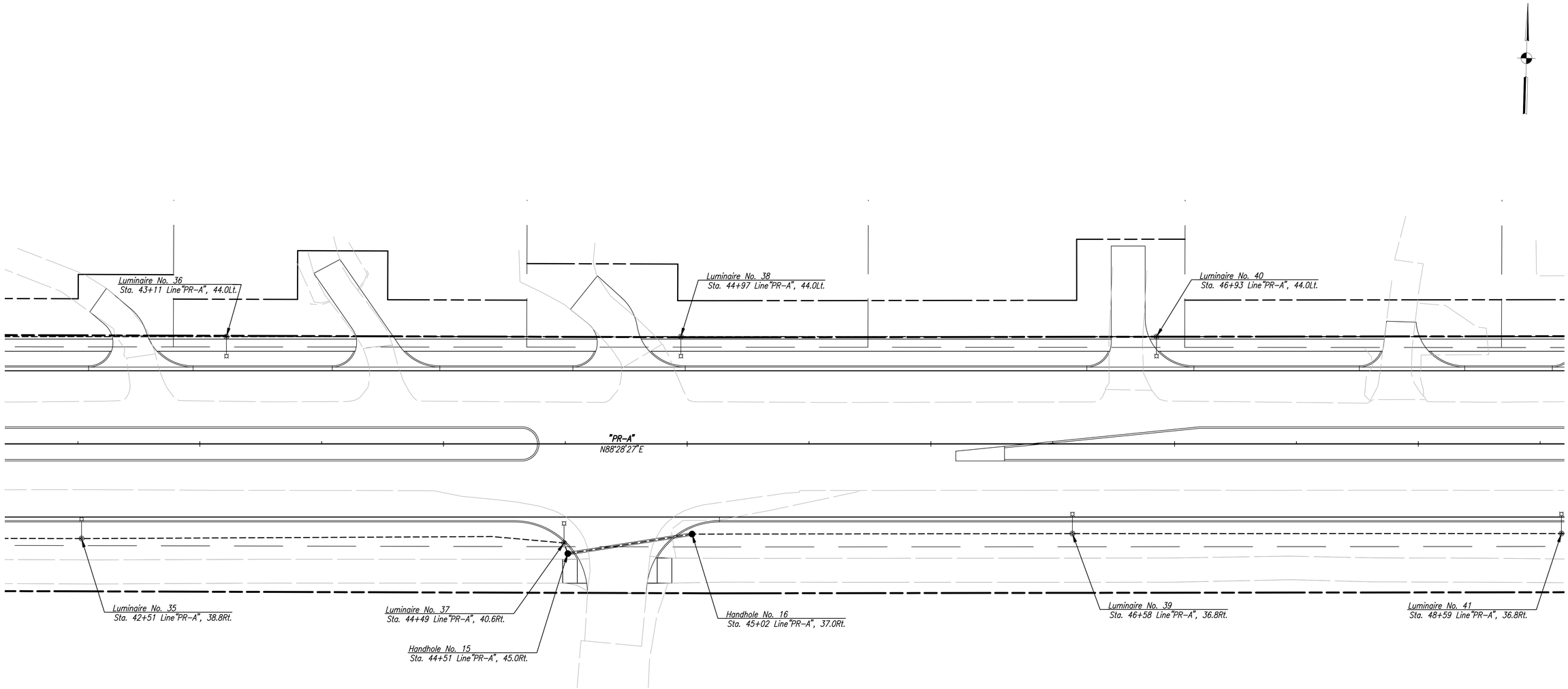

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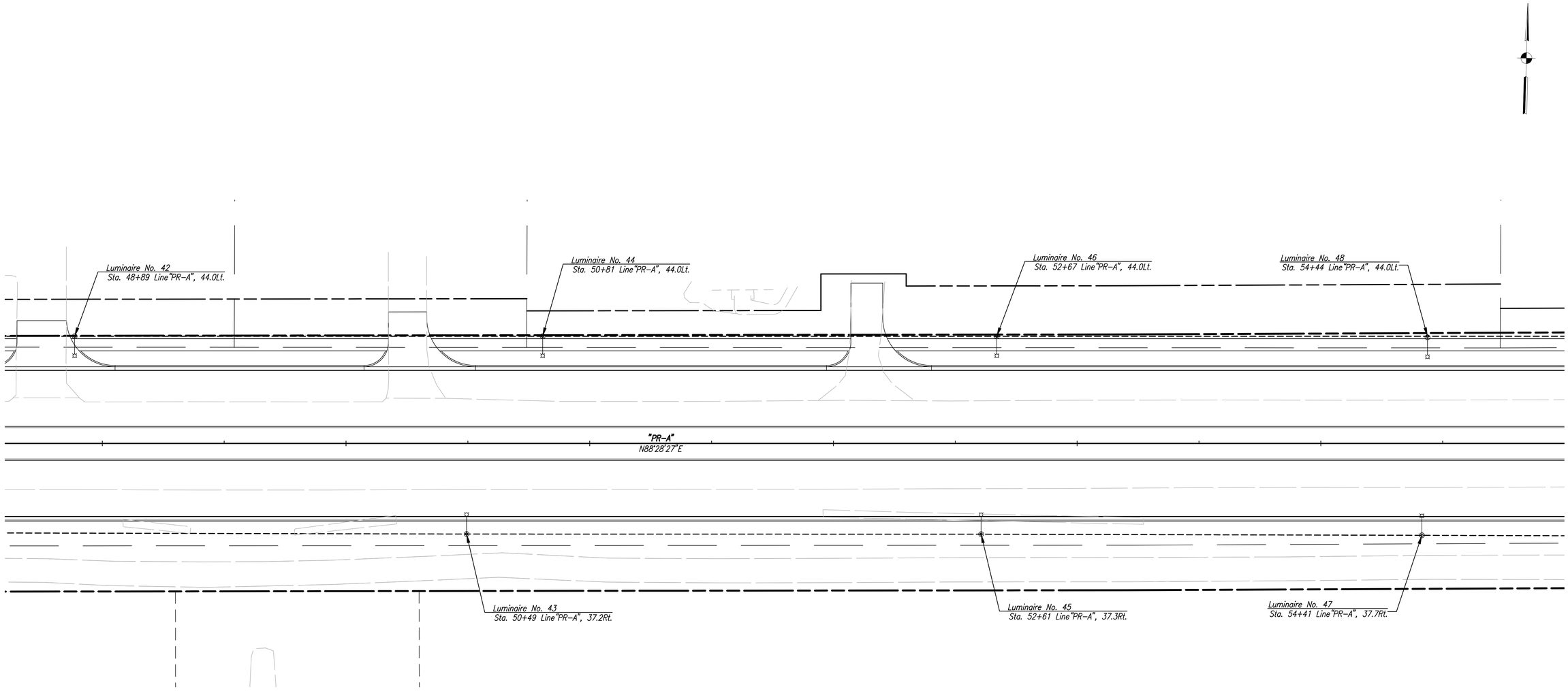

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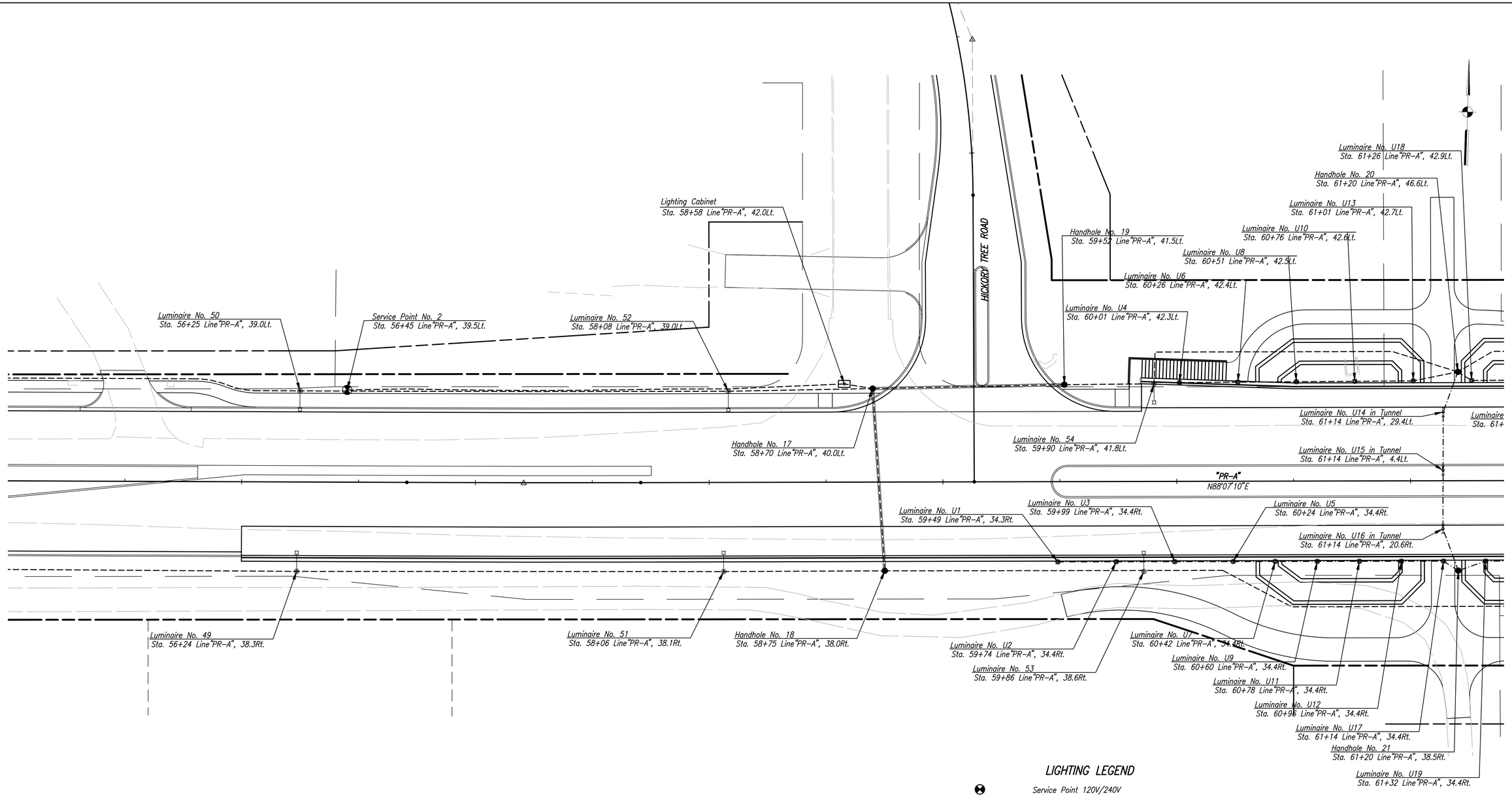

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VERTICAL SCALE	DESIGNATION
N/A	0901798
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CONTRACT	PROJECT
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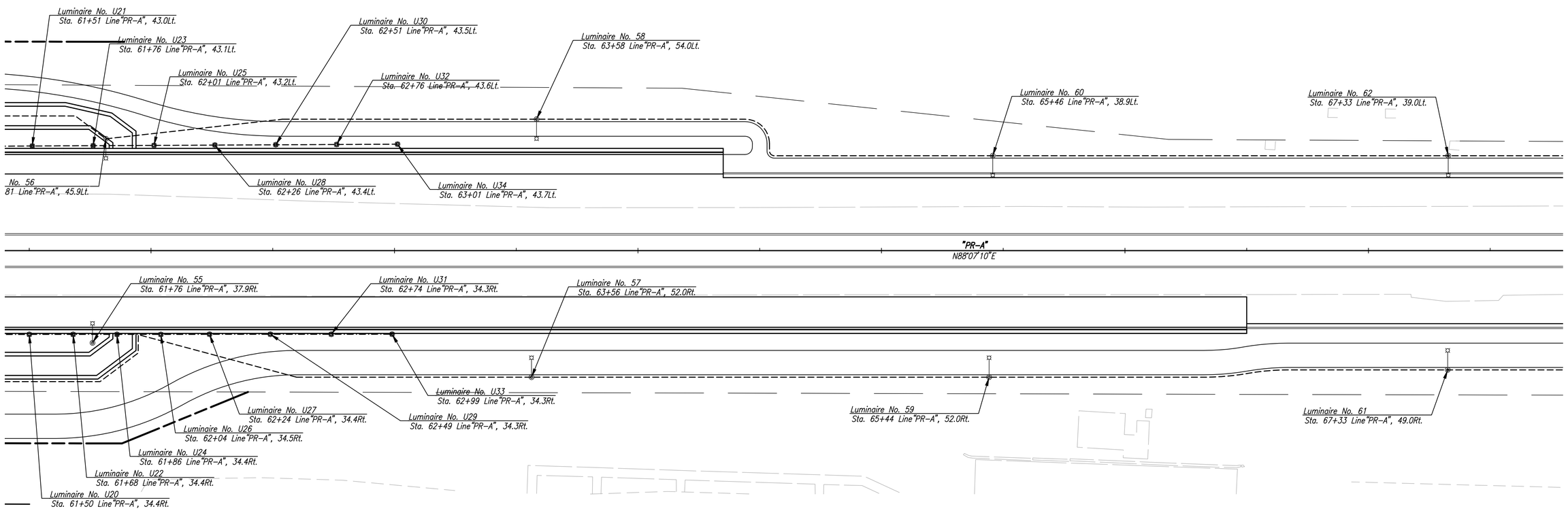

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.	108 of 183
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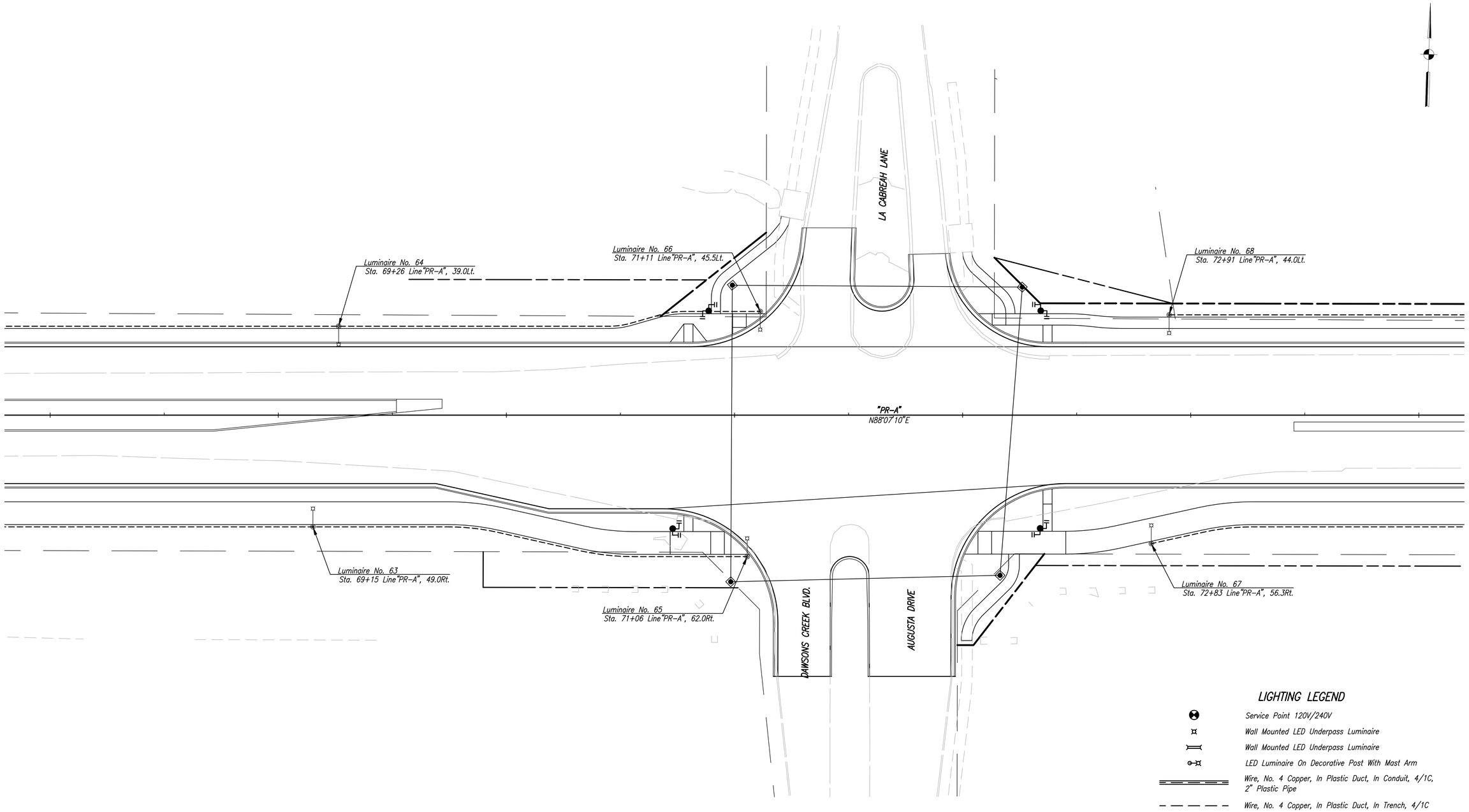

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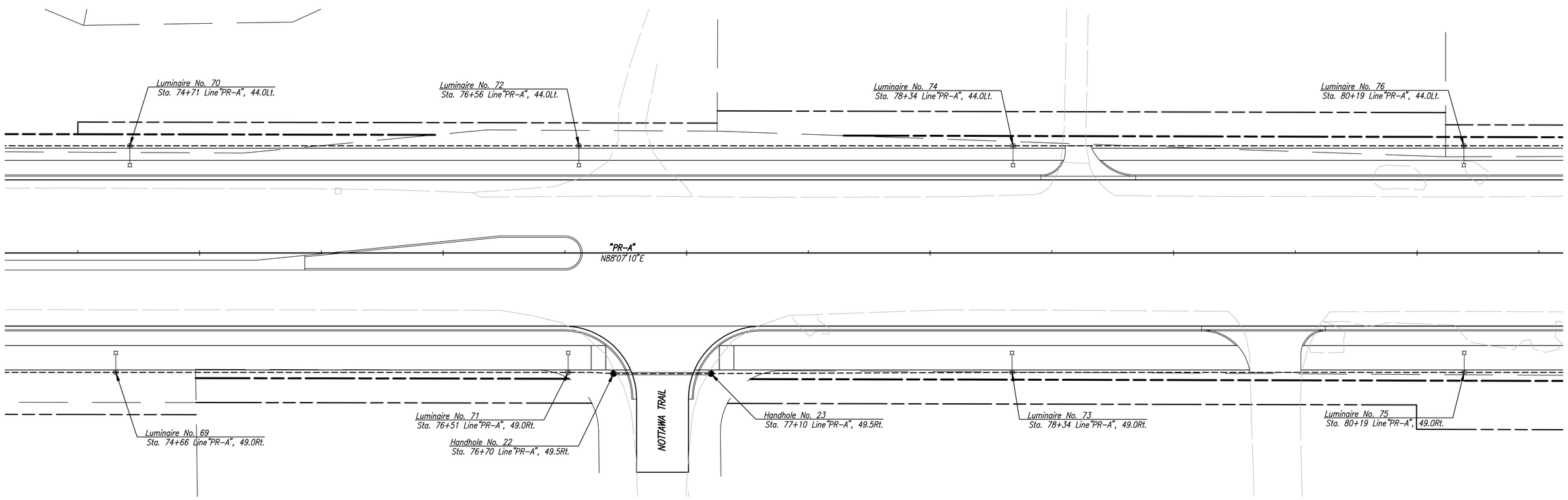

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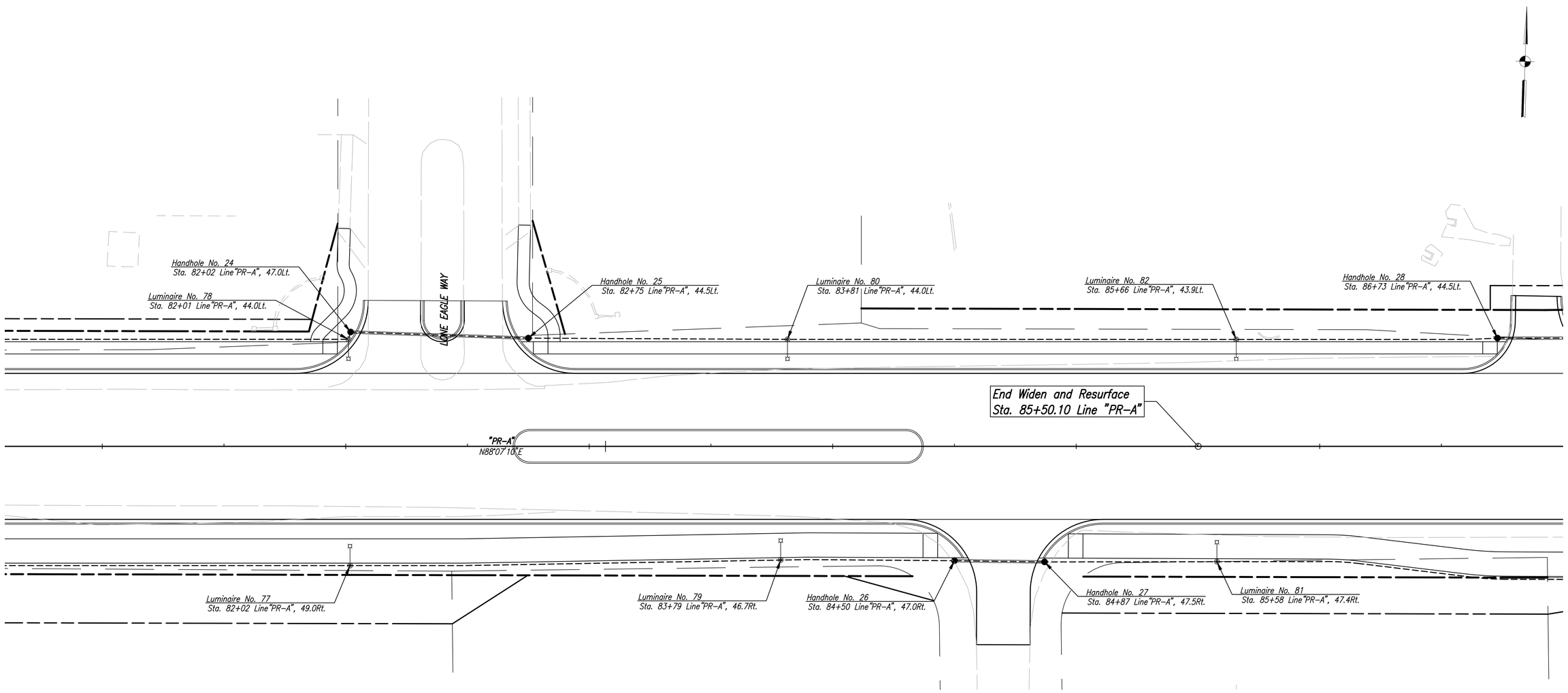

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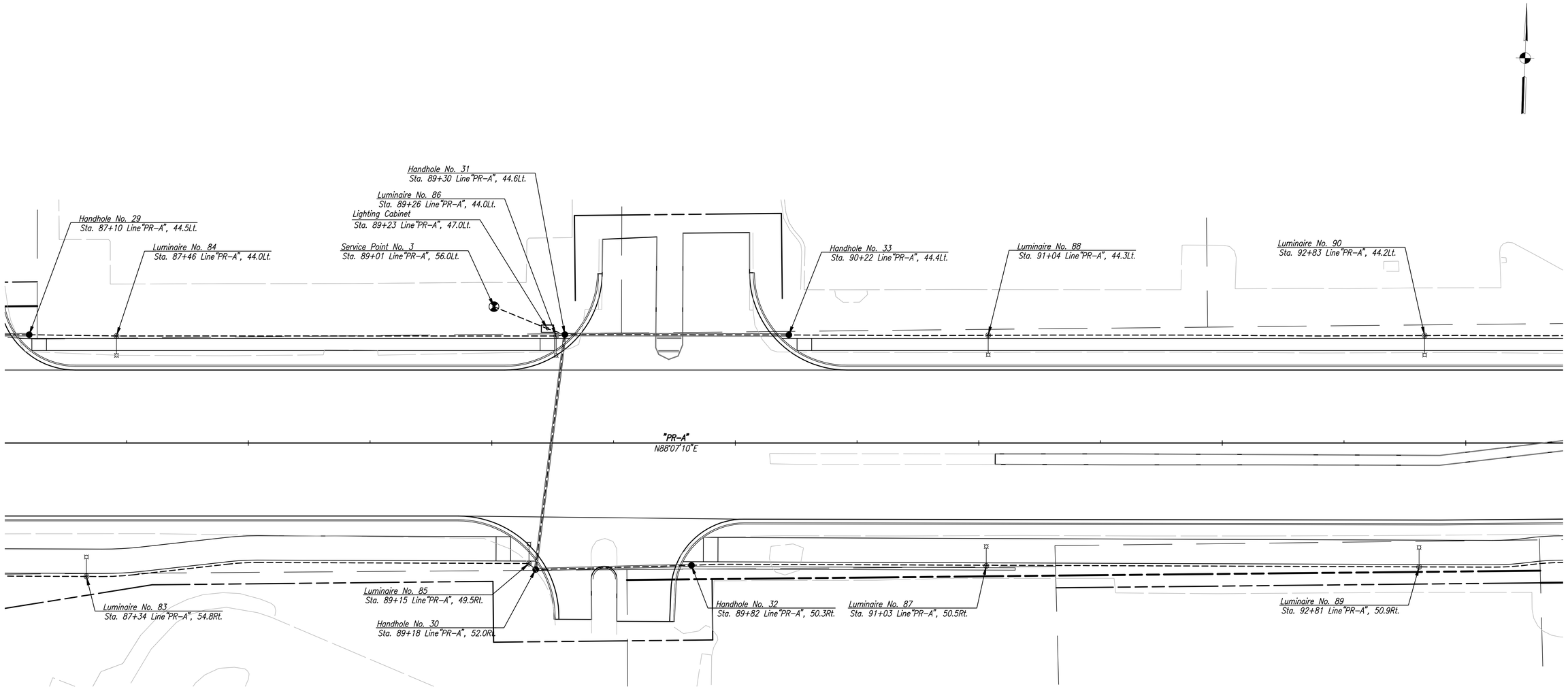

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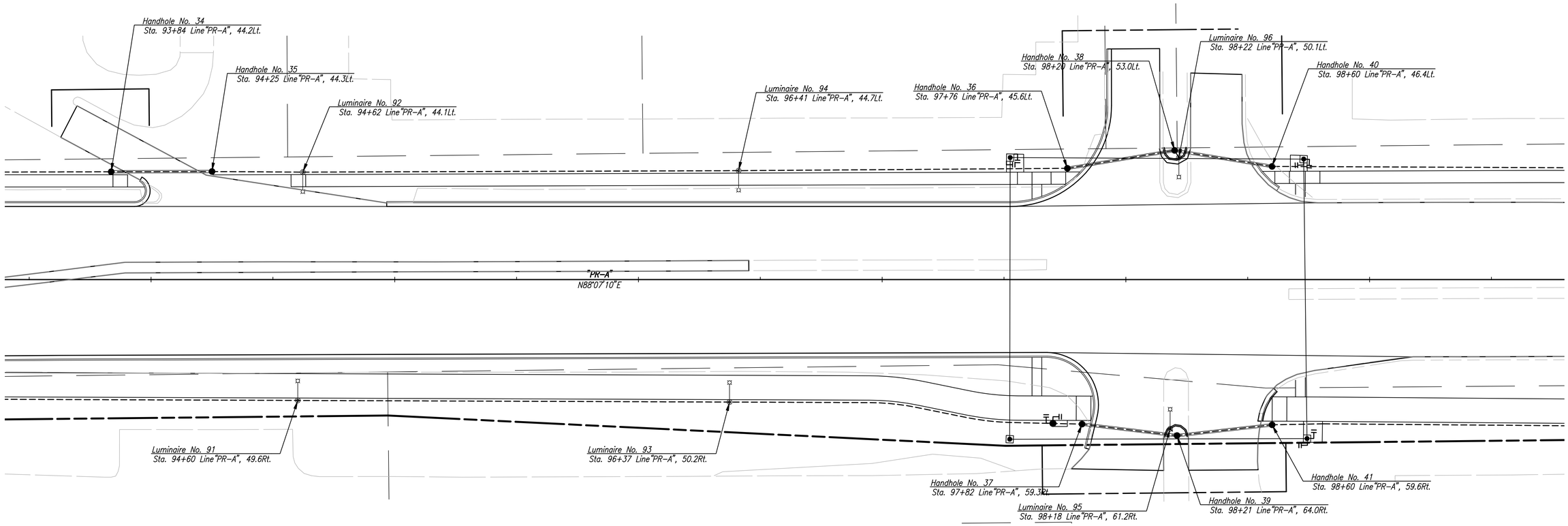

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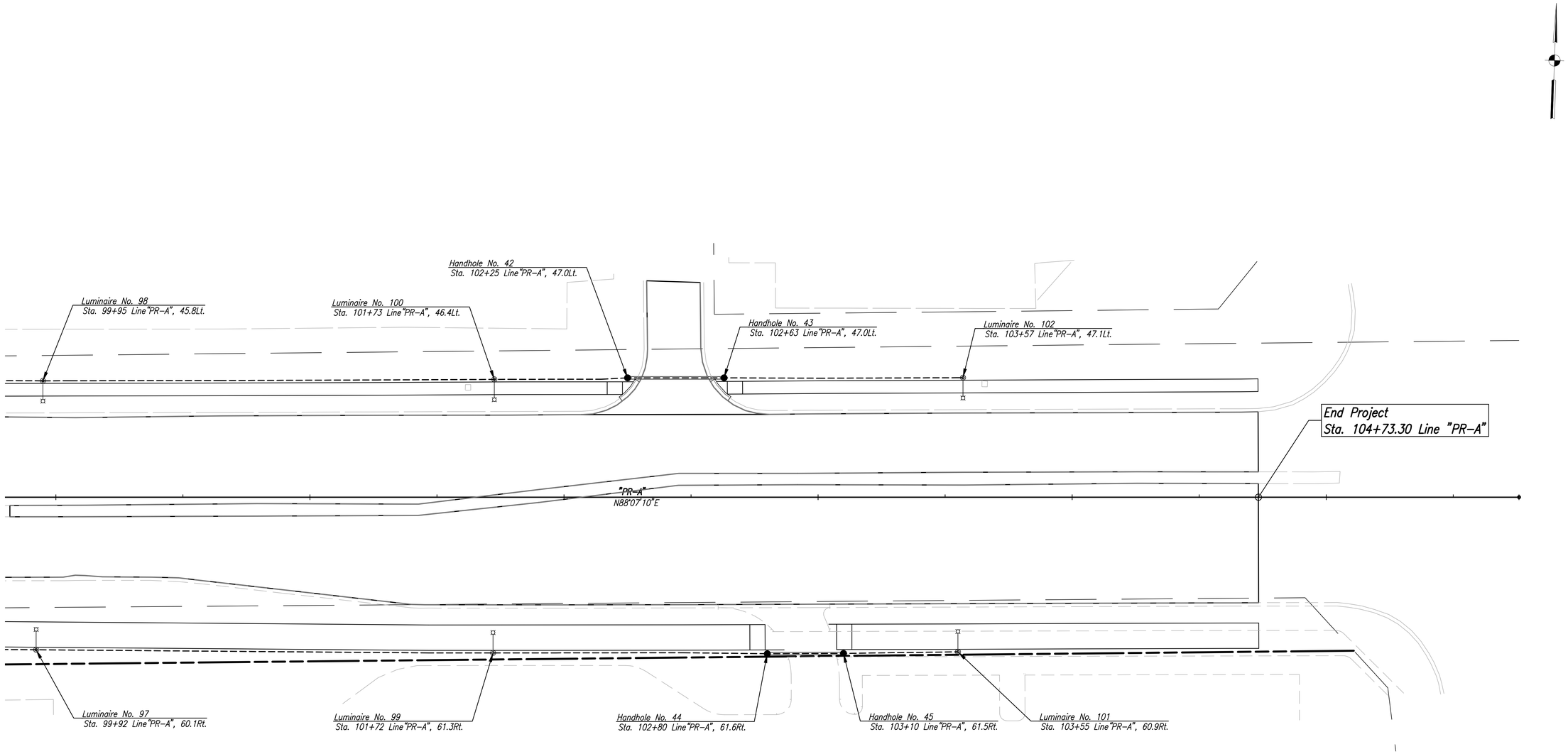

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Indianapolis, IN 46219
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Fax 317-895-2596
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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: WDN | DRAWN: MAC
CHECKED: JAR | CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	.
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
.	114 of 183
CONTRACT	PROJECT
.	.

File Name: P:\C30\11-401\Road\Dwg\Plans\Lighting Details.dwg Plot Date: 1/30/2014 Plotted By: Nimz, John

Luminaire Schedule																																								
Service Point Number	Service Point 1																																							
Luminaire ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32								
LED Luminaire Wattage	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160								
Connection Type	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1								
Circuit Connection	B	B	R	R	B	B	R	R	B	B	R	R	B	B	R	R	B	B	R	R	B	B	R	R	B	B	R	R	B	B	R	R								
Mounting Height (Ft)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30								
Mast Arm Length (Ft)	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6								
Breakaway Foundation	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N								

Luminaire Schedule																																								
Service Point Number	Service Point 2																																							
Luminaire ID	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66						
LED Luminaire Wattage	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160						
Connection Type	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1						
Circuit Connection	B	B	R	R	B	B	R	R	B	B	R	R	B	B	R	R	B	B	R	R	B	B	R	R	B	B	R	R	B	B	R	R	B	B						
Mounting Height (Ft)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30						
Mast Arm Length (Ft)	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6						
Breakaway Foundation	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y						

Luminaire Schedule																																								
Service Point Number	Service Point 3																																							
Luminaire ID	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102				
LED Luminaire Wattage	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160				
Connection Type	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1				
Circuit Connection	R	R	B	B	R	R	B	B	R	R	B	B	R	R	B	B	R	R	B	B	R	R	B	B	R	R	B	B	R	R	B	B	R	R	B	B				
Mounting Height (Ft)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30				
Mast Arm Length (Ft)	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6				
Breakaway Foundation	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N				

Underpass Luminaire Schedule																																								
Service Point Number	Service Point 2																																							
Luminaire ID	U1	U2	U3	U4	U5	U6	U7	U8	U9	U10	U11	U12	U13	U14	U15	U16	U17	U18	U19	U20	U21	U22	U23	U24	U25	U26	U27	U28	U29	U30	U31	U32	U33	U34						
LED Luminaire Wattage	69	69	69	69	69	69	69	69	69	69	69	69	69	103.9	103.9	103.9	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69						
Connection Type	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1						
Circuit Connection	B	R	B	B	R	R	B	B	R	R	B	R	B	R	B	R	B	R	R	B	B	R	R	B	B	R	B	R	R	B	B	R	R	B						
Mounting Height (Ft)	12	12	12	12	12	12	12	12	12	12	12	12	12	10	10	10	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12						
Mast Arm Length (Ft)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Breakaway Foundation	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						

Handhole Schedule																							
Service Point Number	Service Point 1														Service Point 2								
Handhole No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21		
Connection Type	A	A	A	A	B	B	A	A	A	A	A	A	A	A	A	A	B	B	A	C	B		

Handhole Schedule																								
Service Point Number	Service Point 3																							
Handhole No.	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Connection Type	A	B	A	A	A	A	A	A	B	B	A	A	A	A	A	A	C	C	A	A	A	A	A	A

Dupont Road Desing Data Table	
Initial Lamp Lumen (LL) 160 Watt LED	12,880
Average Maintained Illimination (Eh)	1.3 Footcandles
Lamp Lumen Depreciation Factor (LLD)	0.90
Luminaire Dirt Depreciation Factor (LDD)	0.87
Maintenance Factor (LLD x LDD)	0.78
Uniformity Ratio	4:1
Luminaire Classification, Conventional	Type III

Underpass Desing Data Table	
Initial Lamp Lumen (LL) 69 Watt LED	3,512
Initial Lamp Lumen (LL) 103.9 Watt LED	7,301
Average Maintained Illimination (Eh)	0.5 Footcandles
Lamp Lumen Depreciation Factor (LLD)	0.90
Luminaire Dirt Depreciation Factor (LDD)	0.87
Maintenance Factor (LLD x LDD)	0.78
Uniformity Ratio	4:1
Luminaire Classification, Conventional	N.A.

Service Point & Controller Cabinet				
No.	Main Breaker	Branch Circuit	Computed Branch Circuit Average	Branch Circuit Breaker Rating
1	100 Amps	Red	20.8 Amps	30 Amps
		Black	20.8 Amps	30 Amps
2	100 Amps	Red	20.8 Amps	30 Amps
		Black	23.4 Amps	30 Amps
3	100 Amps	Red	23.4 Amps	30 Amps
		Black	23.4 Amps	30 Amps

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DESIGN ENGINEER DATE

DESIGNED: WRC DRAWN: JNII
CHECKED: JAR CHECKED: JAR

INDIANA
DEPARTMENT OF TRANSPORTATION

LIGHTING TABLE

HORIZONTAL SCALE	BRIDGE FILE
N/A	-
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
-	115 of 183
CONTRACT	PROJECT
-	-

File Name: \\UCS2K4FS\Road\Roadfarm3\C30\11-4011\Road\Dwg\Plans\Table Lighting.dwg Plot Date: 1/29/2014 Plotted By: Nimz, John

SHEET SIGN & POST SUMMARY TABLE

SIGN								POST																	
PLAN SHEET NO./ LINE	SIGN LOCATION	SIGN CODE	SIGN SIZE (W x H)	SIGN, SHEET, WITH LEGEND (ft²)			MOUNTED ON PANEL SIGN	2 ¼ x 2 ¼ x 12 Ga (Type 1)						2 x 2 x 12 Ga (Type 2)						2 ½ x 2 ½ x 12 Ga (Type 3)					
				THICKNESS (in)				REINFORCED			UNREINFORCED			REINFORCED			UNREINFORCED			REINFORCED			UNREINFORCED		
								POST LENGTH (ft)			POST LENGTH (ft)			POST LENGTH (ft)			POST LENGTH (ft)			POST LENGTH (ft)			POST LENGTH (ft)		
			(in x in)	0.080	0.100	0.125	(sft)	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL
LINE PR-A																									
	11+54, RT	R4-7	24 x 30								10.17														
		OM-3L	12 x 36																						
	14+00, RT	R6-2R	18 x 24	3.00							9.67														
	16+90, RT	R2-1(45)	24 x 30	5.00							10.17														
	17+01, LT	R3-7L	30 x 30	6.25							10.17														
	23+00, LT	R2-1(45)	24 x 30	5.00							10.17														
	23+66, LT	R4-7	24 x 30	5.00							10.17														
		OM-3L	12 x 36	3.00																					
	24+82	R3-5R	30 x 36	7.50							Mounted on Signal Span														
	24+83	R3-5L	30 x 36	7.50							Mounted on Signal Span														
		R10-12	30 x 36	7.50							Mounted on Signal Span														
	24+84	D3-1b	114 x 18			14.25					Mounted on Signal Span														
	25+00, RT	D3-1a(1)	90 x 18			11.25					Mounted on Signal Span														
	25+68, LT	D3-1a(1)	90 x 18			11.25					Mounted on Signal Span														
	25+73, RT	R3-5R	30 x 36	7.50							Mounted on Signal Span														
	26+11	D3-1b	114 x 18			14.25					Mounted on Signal Span														
		R10-12	30 x 36	7.50							Mounted on Signal Span														
		R3-5L	30 x 36	7.50							Mounted on Signal Span														
	27+22, RT	R4-7	24 x 30	5.00							10.17														
		OM-3L	12 x 36	3.00																					
	28+00, RT	R2-1(45)	24 x 30	5.00							10.17														
	31+21, LT	R4-7	24 x 30	5.00							10.17														
		OM-3L	12 x 36	3.00																					
	32+36, RT	W14-2	30 x 30	6.25							10.17														
	32+40, LT	D3-1a(2)	48 x 12	4.00							10.17														
		D3-1c	64 x 12		5.33																				
		R1-1	30 x 30	6.25																					
	32+82, LT	W14-2	30 x 30	6.25							10.17														
		N.H.W.	18 x 24	3.00																					
	32+93, RT	D3-1a(2)	48 x 12	4.00							10.17														
		D3-1c	64 x 12		5.33																				
		R1-1	30 x 30	6.25																					
	33+10, LT	R3-9dP	30 x 12	2.50							11.67														
		R3-9b	24 x 36	6.00																					
	33+10, RT	R3-9cP	30 x 12	2.50							11.67														
		R3-9b	24 x 36	6.00																					
	34+00, LT	S4-3	24 x 8	1.33							10.83														
		S5-2	24 x 30	5.00																					
	34+00, RT	S4-3	24 x 8	1.33							10.83														
		R2-1(25)	24 x 30	5.00																					
		S4-1	24 X 18	3.00																					
	35+74, LT	R3-9cP	30 x 12	2.50							11.67														
		R3-9b	24 x 36	6.00																					
	35+74, RT	R3-9dP	30 x 12	2.50							11.67														
		R3-9b	24 x 36	6.00																					
	36+93, LT	D3-1a(2)	48 x 12	4.00							10.17														
		D3-1d	48 x 12	4.00																					
		R1-1	30 x 30	6.25																					
	36+66, RT	R1-1	30 x 30	6.25							10.17														
	37+87, RT	R4-7	24 x 30	5.00							10.17														
		OM-3L	12 x 36	3.00																					
	39+28, LT	S4-3	24 x 8	1.33							10.83														
		R2-1(25)	24 x 30	5.00																					
		S4-1	24 X 18	3.00																					
	39+28, RT	S4-3	24 x 8	1.33							10.83														
		S5-2	24 x 30	5.00																					
	44+36	R4-7	24 x 30	5.00							10.17														
		OM-3L	12 x 36	3.00																					
SUBTOTAL				231.07	10.66	51.00					252.22														

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DESIGNED: WRC | DRAWN: JNII
CHECKED: JAR | CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

SHEET SIGN & POST SUMMARY TABLE

HORIZONTAL SCALE	BRIDGE FILE
N/A	.
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
.	116 of 183
CONTRACT	PROJECT
.	.

File Name: \\UCSDHCS\Road\Road Team3\C320\11-401\Road\Dwg\Plans\Table Sheet Sign.dwg Plot Date: 1/29/2014 Plotted By: Nimz, John

SHEET SIGN & POST SUMMARY TABLE

SIGN								POST																	
PLAN SHEET NO./ LINE	SIGN LOCATION	SIGN CODE	SIGN SIZE (W x H)	SIGN, SHEET, WITH LEGEND (ft²)			MOUNTED ON PANEL SIGN	2 ¼ x 2 ¼ x 12 Ga (Type 1)						2 x 2 x 12 Ga (Type 2)						2 ½ x 2 ½ x 12 Ga (Type 3)					
				THICKNESS (in)				REINFORCED			UNREINFORCED			REINFORCED			UNREINFORCED			REINFORCED			UNREINFORCED		
								POST LENGTH (ft)			POST LENGTH (ft)			POST LENGTH (ft)			POST LENGTH (ft)			POST LENGTH (ft)			POST LENGTH (ft)		
			(in x in)	0.080	0.100	0.125	(sft)	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL
PR-A (con't)																									
	46+26, RT	R4-7	24 x 30	5.00							10.17														
		OM-3L	12 x 36	3.00																					
	54+68, LT	R2-1(45)	24 x 30	5.00							10.17														
	54+68, RT	R2-1(45)	24 x 30	5.00							10.17														
	57+71, LT	R4-7	24 x 30	5.00							10.17														
		OM-3L	12 x 36	3.00																					
	58+82, LT	D3-1a(2)	48 x 12	4.00							10.17														
		D3-1e	72 x 12		6.00																				
		R1-1	30 x 30	6.25																					
	59+56, RT	R4-7	24 x 30	5.00							10.17														
		OM-3L	12 x 36	3.00																					
	59+74, LT	Pufferbelly Trail (1)	36 x 24	6.00																					
	61+02, LT	Dupont Rd Access (1)	28 X 24	4.67																					
	61+29, RT	Pufferbelly Trail (2)	28 X 24	4.67																					
	64+60, LT	Dupont Rd Access (2)	36 x 24	6.00																					
	69+00, LT	R2-1(45)	24 x 30	5.00							10.17														
	69+54, LT	R4-7	24 x 30	5.00							10.17														
		OM-3L	12 x 36	3.00																					
	70+99	D3-1g	162 x 18			20.25					Mounted on Signal Span														
		R3-5R	30 x 36	7.50							Mounted on Signal Span														
		R3-5L	30 x 36	7.50							Mounted on Signal Span														
		R10-12	30 x 36	7.50							Mounted on Signal Span														
		D3-1f	120 x 18			15.00					Mounted on Signal Span														
	71+27, RT	D3-1a(1)	90 x 18			11.25					Mounted on Signal Span														
	71+45, LT	R3-5L	30 x 36	7.50							Mounted on Signal Span														
	71+66, RT	R3-5L	30 x 36	7.50							Mounted on Signal Span														
	71+89, LT	D3-1a(1)	90 x 18			11.25					Mounted on Signal Span														
	71+89, RT	R3-5R	30 x 36	7.50							Mounted on Signal Span														
	72+19	D3-1g	162 x 18			20.25					Mounted on Signal Span														
	72+21	R10-12	30 x 36	7.50							Mounted on Signal Span														
	72+22	R3-5L	30 x 36	7.50							Mounted on Signal Span														
	72+24	D3-1f	120 x 18			15.00					Mounted on Signal Span														
	73+54, LT	R4-7	24 x 30	5.00							10.17														
		OM-3L	12 x 36	3.00																					
	74+50, RT	R2-1(45)	24 x 30	5.00							10.17														
	76+49, LT	R4-7	24 x 30	5.00							10.17														
		OM-3L	12 x 36	3.00																					
	77+12, RT	D3-1a(2)	48 x 12	4.00							10.17														
		D3-1h	48 x 12	4.00																					
		R1-1	30 x 30	6.25																					
	77+30, LT	R3-9dP	30 x 12	2.50							11.67														
		R3-9b	24 x 36	6.00																					
	77+30, RT	R3-9cP	30 x 12	2.50							11.67														
		R3-9b	24 x 36	6.00																					
	81+90, LT	R3-9cP	30 x 12	2.50							11.67														
		R3-9b	24 x 36	6.00																					
	81+90, RT	R3-9dP	30 x 12	2.50							11.67														
		R3-9b	24 x 36	6.00																					
	81+99, LT	D3-1a(2)	48 x 12	4.00							10.17														
		D3-1i	66 x 18			8.25																			
		R1-1	30 x 30	6.25																					
	83+77	R4-7	24 x 30	5.00							10.17														
		OM-3L	12 x 36	3.00																					
	84+29	R4-7	24 x 30	5.00							10.17														
		OM-3L	12 x 36	3.00																					
	84+90, RT	D3-1a(2)	48 x 12	4.00							10.17														
		D3-1j	60 x 18			7.50																			
		R1-1	30 x 30	6.25																					
	89+37, LT	R1-1	30 x 30	6.25							10.17														
	89+82, RT	R1-1	30 x 30	6.25							10.17														
	91+13, RT	R4-7	24 x 30	5.00							10.17														
		OM-3L	12 x 36	3.00																					
SUBTOTAL				264.84	6.00	108.75					199.23														

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INDIANA DEPARTMENT OF TRANSPORTATION

SHEET SIGN & POST SUMMARY TABLE

HORIZONTAL SCALE	BRIDGE FILE
N/A	.
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
.	117 of 183
CONTRACT	PROJECT
.	.

File Name: \\UCSD4(S)\Road\Road Team3\C30\11-401\Road\Dwg\Plans\Table Sheet Sign.dwg Plot Date: 1/29/2014 Plotted By: Nimz, John

SHEET SIGN & POST SUMMARY TABLE

SIGN								POST																	
PLAN SHEET NO./ LINE	SIGN LOCATION	SIGN CODE	SIGN SIZE (W x H)	SIGN, SHEET, WITH LEGEND (ft²)			MOUNTED ON PANEL SIGN	2 ¼ x 2 ¼ x 12 Ga (Type 1)						2 x 2 x 12 Ga (Type 2)						2 ½ x 2 ½ x 12 Ga (Type 3)					
				THICKNESS (in)				REINFORCED			UNREINFORCED			REINFORCED			UNREINFORCED			REINFORCED			UNREINFORCED		
								POST LENGTH (ft)			POST LENGTH (ft)			POST LENGTH (ft)			POST LENGTH (ft)			POST LENGTH (ft)			POST LENGTH (ft)		
			(in x in)	0.080	0.100	0.125	(sft)	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL
PR-A (con't)																									
	93+98, LT	R4-X	24 X 18	3.00							9.17														
	97+41, LT	R4-7	24 x 30	5.00							10.17														
		OM-3L	12 x 36	3.00																					
	97+53	R10-12	30 x 36	7.50							Mounted on Signal Span														
		R3-5L	30 x 36	7.50							Mounted on Signal Span														
	98+10, LT	R3-5L	30 x 36	7.50							Mounted on Signal Span														
	98+32, RT	R3+5L	30 x 36	7.50							Mounted on Signal Span														
	98+74	R3-5L	30 x 36	7.50							Mounted on Signal Span														
		R10-12	30 x 36	7.50							Mounted on Signal Span														
	98+91, RT	R4-7	24 x 30	5.00							10.17														
		OM-3L	12 x 36	3.00																					
	101+44, LT	R2-1(45)	24 x 30	5.00							10.17														
	101+25, LT	R1-1	30 x 30	6.25							10.17														
	104+86, LT	R4-7	24 x 30	5.00							10.17														
		OM-3L	12 x 36	3.00																					
PR-S-5-A																									
	14+90, LT	R2-1(30)	24 x 30	5.00							10.17														
SUBTOTAL				85.25							20.34														
ROUNDED TOTAL				581	17	160					472														

UNITED Consulting
1625 N. Post Road
Indianapolis, IN 46219
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Fax 317-895-2596
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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: WRC DRAWN: JNII

CHECKED: JAR CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

SHEET SIGN & POST SUMMARY TABLE

HORIZONTAL SCALE	BRIDGE FILE
N/A	.
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
.	118 of 183
CONTRACT	PROJECT
.	.

File Name: \\UCSDHCS\Road\Road Team3\C320\11-401\Road\Dwg\Plans\Table Sheet Sign.dwg Plot Date: 1/29/2014 Plotted By: Nimz, John

SUMMARY OF QUANTITIES & APPROACH TABLE

LOCATION (STATION)	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH "W" FT	LENGTH "L" FT	DISTANCE BEYOND R/W LINE FT	RADII "R" FT	GRADE (LESS THAN 10% NOT SHOWN) 1 %	GRADE 2 %	EXCAVATION CYS. CUT	EXCAVATION CYS. FILL	HMA FOR SIDEWALK TON	SIDEWALK, CONCRETE SYS	QC/QA – HMA, 3, 70, SURFACE 9.5mm 165#/SYS TON	QC/QA – HMA, 3, 70, INTER. 19.0mm 275#/SYS TON	QC/QA – HMA, 3, 64 BASE 19.0mm(2 lifts) 660#/SYS TON	QC/QA – HMA, 1, 70, SURFACE 9.5mm 165#/SYS TON	QC/QA – HMA, 1, 70, INTER. 19.0mm 275#/SYS TON	HMA FOR APPROACHES, TYPE C TON	HMA FOR FULL DEPTH PATCHING, TYPE C TON		ASPHALT FOR: SURFACE JOINT ADHESIVE LFT	ASPHALT FOR: INTER. JOINT ADHESIVE LFT	ASPHALT FOR: LIQUID ASPHALT SEALANT SYS	ASPHALT FOR: TACK COAT TON	COMPACTED AGGREGATE FOR BASE NO. 53: 6 in. TON	COMPACTED AGGREGATE FOR BASE NO. 53: 5 in. TON	SUBGRADE TREATMENT TYPE IC SYS	SUBGRADE TREATMENT TYPE IIA SYS	COMPACTED AGGREGATE, NO. 73 6 in. SYS	PCCP FOR APPROACHES 6 in. SYS	PCCP FOR APPROACHES 9 in. SYS	SUBGRADE TREATMENT TYPE 1B SYS	CURB AND GUTTER, CONCRETE LFT	CURB, CONCRETE LFT	CURB AND GUTTER, B, CONCRETE, MOD. LFT	SURFACE BEYOND R/W LINE: ASPHALT	SURFACE BEYOND R/W LINE: PCCP	REMARKS
Line "PR–A"	Mainline							7888.0	31551.0			4516.0	2705.0	7088.0						57529.0	24565.0	57529.0	23.7			29514.5						15018.2	7650.2				
Line "PR–S–5–A"	S–Line							29.0	3385.0						71.6	119.4				991.2	991.2	991.2	0.2	288.9		1454.5						718.3	103.3				
	Shared – Use Path									1361.0													1.9	2721.6			8693.3										
	Sidewalk										4513.0																										
	Ped. Crossing Stairs								89.0																												
PR–A																																					
13+06	Class I Drive	10.7	25.0		10/20																						40.2	3.8	28.8								
13+80	Class IV Drive	41.5	35.9		30/30												99.9										181.6										
13+97	Class I Drive	22.6	14.1		10/20																						42.9		42.9								
14+93	Class I Drive	19.1	16.4		10/20																						43.5		43.5								
15+30	Class I Drive	16.0	24.3		10/20												4.0										57.3		42.7								
16+89	Class I Drive	12.2	24		10/20												3.0										44.7		33.6								
18+00	Class I Drive	18.9	14.5		10/20																						38.8		38.8								
18+48	Class I Drive	19.0	37.8		10/20												16.9										103.4		42.1								
19+95	Mod., Class I Drive	21.3	51.6		10/20												24.7										130.9		41.0								
20+46	Mod., Class I Drive	21.3	50.1		10/20																						141.6		141.3								
23+59	Mod., Class I Drive	21.0	41.3		10/20												15.8										110.9		53.4								
25+49	Street Approach	58.7	73.9		50/50												257.3										444.3										
25+50	Street Approach	29.1	49.9		50/50												142.4										258.8										
29+09	Class I Drive	11.2	34.0		10/20																						52.4	5.8	34.8								
32+61	Street Approach	24.6	43.3		30/30												88.5										124.9										
32+65	Street Approach	38.4	45		30/30												127.3										231.4										
36+27	Street Approach	25.8	70.1		30/30												117.6										213.8										
36+32	Mod., Class III Drive	52.5	44.4		30/30												163.3										297.0										
40+53	Class I Drive	18.6	43.4		10/20																						88.1	11.5	53.1								
42+77	Class I Drive	11.8	34.1		10/20																						57.3	9.0	30.1								
43+76	Class I Drive	12.2	50.5		10/20																						78.0		78.0								
44+72	Mod., Class I Drive	24.7	31.3		30/30																						136.9		136.9								
44+76	Class I Drive	17.7	37.8		10/20												12.6										79.3		33.6								
46+81	Class I Drive	14.0	51.2		10/20																						88.9		88.9								
47+94	Class I Drive	12.1	20.1		10/20																						38.7		38.7								
48+75	Mod., Class I Drive	20.2	20.4		10/20																						54.5		54.5								
50+25	Class I Drive	15.7	24.0		10/20																						51.3		51.3								
52+14	Class I Drive	13.0	35.8		10/20																						61.8	10.3	30.7								
55+47	Class I Drive	19.2	17.3		10/20																						43.2		43.2								
71+57	Street Approach	79.8	79		50/50												379.2										689.5										
71+65	Street Approach	63.8	56.1		50/45												188.0										341.8										
76+90	Street Approach	25.3	60		30/30												95.6										173.7										
78+60	Mod., Class I Drive	10.4	14.0		10/20																						31.7		31.7								
79+42	Mod., Class I Drive	20.6	19		10/20																						136.3		59.9								
82+37	Street Approach	59.1	29.7		30/30												107.8										196.1										
84+70	Street Approach	22.0	51.5		30/30												91.8										166.9										
86+89	Mod., Class III Drive	20.0	31		31/21												52.3										95.0										
89+50	Street Approach	45.7	42.3		40/40												20.9																				
89+75	Street Approach	60.5	56		41/30												32.1																				
94+00	Mod., Class IV Drive	14.3	69.2		6/0												14.0																				
98+18	Street Approach	76.8	47.6		21												26.4																				
98+18	Street Approach	53.5	64		41												29.3																				
102+44	Mod., Class IV Drive	21.1	52.7														12.8																				
PR S–5–A																																					
14+13	Class I Drive	16.0	43.2		20/10																						97.7		97.7								
15+50	Class I Drive	14.1	84.0		20/10																						140.3		140.3								
																							3.1														
TOTALS								7917	35025	1361	4513	4516	2705	7088	72	119	2124			58520	25556	58520	29	3011		30969	14099	40	1512			15737	7754				

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1625 N. Post Road
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Fax 317-895-2596
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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: WRC DRAWN: JNII
CHECKED: JAR CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES & APPROACH TABLE

HORIZONTAL SCALE	BRIDGE FILE
N/A	.
VERTICAL SCALE	DESIGNATION
N/A	0901798
SURVEY BOOK	SHEETS
.	119 of 183
CONTRACT	PROJECT
.	.

File Name: \\UCS2K4S\Road\RoadForms3\C3D\11-401\Road\Dwg\Plans\Table Approach.dwg Plot Date: 1/29/2014 Plotted By: Nimz, John

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION STATION	LOCATION LEFT	LOCATION RIGHT	LOCATION CROSS	SIZE	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	STR. RIM ELEVATION	LENGTH ft	SKEW	COVER ft	FLOW LINE UP STREAM ELEV.	FLOW LINE DOWN STREAM ELEV.	SERVICE LIFE YR.	SITE DESIGNATION	pH	BACKFILL METHOD	BACKFILL TYPE	STRUCTURE BACKFILL CU. YD.	RECONSTRUCTED STRUCTURE FT.	REVETMENT RIPRAP SYS.	GEOTEXTILE SYS.	PIPE END SECTION EA.	GRATED BOX END SECTION TYPE	GRATED BOX END SECTION SLOPE	GRATED BOX END SECTION EA.	SAFETY METAL END SECTION SLOPE	SAFETY METAL END SECTION EA.	CONNECT TO STR. NO.	REMARKS
	LINE "PR-A "																													
10	15+74.6	X			15		Inlet II (FW) C (FW)	857.1	5.0		0.5	852.03		50		7	1	1	0.2											
10A	16+60.0	X			15	2	Inlet II (FW) C (FW)	857.67	83.0		3.1	852.42	852.03	50		7	1	1	31.4										10	
10B	16+60.0		X		12	2	Inlet II (FW) C (FW)	857.67	37.0		3.3	852.42	852.23	50		7	1	1	13.3										503(EX)	
10C	16+70.0		X		12	2	Inlet II (FW) C (FW)	857.76	8.0		3.5	852.47	852.42	50		7	1	1	3.0										10B	
11	17+24.8	X			15	2	Inlet II (FW) C (FW)	858.19	62.0		3.3	852.73	852.42	50		7	1	1	25.2										10A	
11A	19+65.0		X		12	2	Inlet II (FW) C (FW)	859.74	54.0		2.1	855.90	855.60	50		7	1	1	11.2										12A	
12	19+65.4	X			15	2	Inlet II (FW) C (FW)	859.74	238.0		3.6	853.91	852.73	50		7	1	1	106.4										11	
12A	20+21.0		X		15	2	Inlet II (FW) C (FW)	859.57	9.0		2.3	855.60	855.55	50		7	1	1	2.4										512(EX)	
12B	20+25.5	X			12	2	Inlet II (FW) C (FW)	859.57	58.0		2.2	855.77	855.46	50		7	1	1	13.0										12	
12C	21+10.8	X			12	2	Inlet II (FW) C (FW)	859.37	8.0		2.0	855.57	855.52	50		7	1	1	1.6										12E	
12D	21+10.8		X		12	2	Inlet II (FW) C (FW)	859.37	8.0		2.0	855.57	855.52	50		7	1	1	1.6										12F	
12E	21+21.0	X			12	2	Inlet II (FW) C (FW)	859.38	61.0		2.5	855.27	854.97	50		7	1	1	15.3										12F	
12F	21+21.0		X		12	2	Inlet II (FW) C (FW)	859.38	11.0		5.0	854.97	854.92	50		7	1	1	6.4										513(EX)	
12G	21+60.0	X			12	2	Inlet II (FW) C (FW)	859.45	37.0		2.1	855.65	855.45	50		7	1	1	7.5										12E	
12H	21+60.0		X		12	2	Inlet II (FW) C (FW)	859.45	37.0		2.1	855.65	855.45	50		7	1	1	7.5										12F	
13	24+85.0	X			15	2	Inlet II (FW) C (FW)	857.59	301.0		2.5	853.23	848.00	50		7	1	1	88.3										19	
14	25+06.2		X		12	2	Inlet II (FW) C (FW)	857.5	10.0		2.1	853.00	852.92	50		7	1	1	2.0										515(EX)	
15	26+80.0		X		12	2	Inlet II (FW) C (FW)	855.27	8.0		2.0	851.40	851.30	50		7	1	1	1.6										16	
16	26+90.0		X		15	2	Inlet II (FW) C (FW)	855.11	7.0		2.6	851.00	850.90	50		7	1	1	2.1										17	
17	26+90.0		X		18	2	M.H. I (FW) A (FW)	856.00	8.0		4.5	848.00	848.00	50		7	1	1	5.1										518(EX)	
			X																											
18	27+88.0		X		12	2	Inlet II (FW) C (FW)	852.71	9.0		2.6	848.89	848.60	50		7	1	1	2.4										518(EX)	
19	27+88.0	X			15	2	Inlet II (FW) C (FW)	852.71	160.0		2.5	847.60	843.00	50		7	1	1	46.5										23	
20							NOT USED																							
21	29+40.0		X		12	2	Inlet II (FW) C (FW)	847.23	8.0		2.1	843.20	843.10	50		7	1	1	1.7										24	
22	29+50.0		X		18	2	M.H. I (FW) A (FW)	848.74	8.0		2.8	842.00	842.00	50		7	1	1	3.1										30	
23	29+50.0	X			15	2	Inlet II (FW) C (FW)	846.92	8.0		2.8	842.00	841.90	50		7	1	1	2.7										26	
24	29+50.0		X		15	2	Inlet II (FW) C (FW)	846.92	10.0		2.9	842.90	842.80	50		7	1	1	3.5										22	
25							NOT USED																							
26	29+60.0	X			15	2	Inlet II (FW) C (FW)	846.62	110.0		2.1	841.80	840.70	50		7	1	1	26.2										28	
27	30+63.0		X		12	2	Inlet II (FW) C (FW)	844.27	8.0		2.7	839.75	839.70	50		7	1	1	2.2										29	
28	30+73.0	X			18	2	M.H. I (FW) C (FW)	844.12	71.0		4.3	838.35	838.00	50		7	1	1	43.8										30	
29	30+73.5		X		12	2	Inlet II (FW) C (FW)	844.12	11.0		1.9	841.20	841.10	50		7	1	1	2.0										30	
30	30+78.0		X		18	2	M.H. I (FW) A (FW)	845.5	6.0		6.7	838.36	838.24	50		7	1	1	6.1										30	
					24				35.0		3.9	837.60	837.40	50		7	1	1	25.2				1							Pipe end section required
31	31+30.4			X	48x60	2	4' x 5' Box Culvert (Existing)		115.0			833.71	833.03																	Remove
32	31+30.0			X	96x60	2	8' x 5' Box Culvert (REIN)		159.0		5.2	832.84	831.90	50		7	1	1	825.3											
33	31+75.0		X		12	2	Inlet II (FW) C (FW)	843.23	8.0		2.8	838.70	838.60	50		7	1	1	2.3										34	
34	31+85.0		X		15	2	Inlet II (FW) C (FW)	843.2	45.0		3.1	837.70	837.50	50		7	1	1	17.1				1							Pipe end section required
35							NOT USED																							
36	31+90.0	X			12	2	Inlet II (FW) C (FW)	843.18	8.0		2.9	838.50	838.40	50		7	1	1	2.5										37	

A = ABRASIVE NA = NON-ABRASIVE

NOTE:
Type 1 Structure Backfill quantities calculated in accordance with IDM 17-3.02 Hand-Calc. of Backfill Quantities to the base of Subgrade Treatment

Cover shown is from top of pipe to top of Subgrade Treatment

gai consultants

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: F.M.M.
CHECKED: M.J.S
DRAWN: R.J.R
CHECKED: M.J.S

INDIANA DEPARTMENT OF TRANSPORTATION

STRUCTURE DATA TABLE

HORIZONTAL SCALE	BRIDGE FILE
NONE	
VERTICAL SCALE	DESIGNATION
NONE	0901798
SURVEY BOOK	SHEETS
	121 OF 183
CONTRACT	PROJECT
R-34815	0901798

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION: STATION	LOCATION: LEFT	LOCATION: RIGHT	LOCATION: CROSS	SIZE	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	STR. RIM ELEVATION	LENGTH (ft)	SKEW	COVER (ft)	FLOW LINE: UP STREAM ELEV.	FLOW LINE: DOWN STREAM ELEV.	SERVICE LIFE (YR.)	SITE DESIGNATION	pH	BACKFILL METHOD	BACKFILL TYPE	STRUCTURE BACKFILL (CU. YD.)	RECONSTRUCTED STRUCTURE (FT.)	REVETMENT RIPRAP (SYS.)	GEOTEXTILE (SYS.)	PIPE END SECTION (EA.)	GRATED BOX END SECTION: TYPE	GRATED BOX END SECTION: SLOPE	GRATED BOX END SECTION: EA.	SAFETY METAL END SECTION: SLOPE	SAFETY METAL END SECTION: EA.	CONNECT TO STR. NO.	REMARKS
	LINE "PR-A"																													
37	32+00.0	X			12	2	Inlet II (FW) C (FW)	843.15	63.0		4.0	838.50	836.13	50		7	1	1	28.2										38	
38	32+16.0		X		15	2	Inlet II (FW) C (FW)	843.1	32.0		4.1	836.13	835.97	50		7	1	1	16.6										39	
39	32+43.0		X		36	2	M.H. II (FW) F (FW)	841.3	36.0		2.5	835.37	835.30	50		7	1	1	27.3				1							Pipe end section required
40							NOT USED																							
41	32+47.7	X			12	2	Inlet II (FW) C (FW)	842.2	11.0		2.1	838.60	838.50	50		7	1	1	2.3										524 (Ex)	
42	32+74.2	X			12	2	Inlet II (FW) C (FW)	842.2	25.0		1.8	838.70	838.60	50		7	1	1	4.1										41	
43	32+87.0		X		36	2	M.H. II (FW) C (FW)	842.2	41.0		2.6	835.42	835.37	50		7	1	1	32.1										39	
44	33+50.0		X		12	2	Inlet II (FW) C (FW)	842.72	42.0		3.0	838.18	837.68	50		7	1	1	13.2										47	
45							NOT USED																							
46	33+50.0	X			12	2	Inlet II (FW) C (FW)	842.72	42.0		3.3	838.18	837.68	50		7	1	1	15.1										48	
47	33+95.0		X		18	2	Inlet II (FW) C (FW)	842.68	17.0		2.6	837.40	837.20	50		7	1	1	5.9										49	
48	33+95.0	X			18	2	Inlet II (FW) C (FW)	842.92	61.0		3.7	837.58	837.40	50		7	1	1	31.3										47	
49	33+95.0		X		30	2	M.H. II (FW) A (FW)	841.9	105.0		4.3	836.40	836.07	50		7	1	1	105.8										43	
50							NOT USED																							
51	34+05.0	X			12	2	Inlet II (FW) C (FW)	842.68	8.0		3.3	837.77	837.68	50		7	1	1	2.8										48	
52	34+05.0		X		12	2	Inlet II (FW) C (FW)	842.68	8.0		3.1	837.77	837.68	50		7	1	1	2.7										47	
53	34+50.0	X			12	2	Inlet II (FW) C (FW)	842.72	43.0		2.9	838.18	837.77	50		7	1	1	13.3										51	
54	34+50.0		X		12	2	Inlet II (FW) C (FW)	842.72	43.0		2.9	838.18	837.77	50		7	1	1	13.3										52	
55							NOT USED																							
56	35+00.0		X		12	2	Inlet II (FW) C (FW)	842.84	48.0		2.3	838.64	838.18	50		7	1	1	10.9										54	
57	35+44.9	X			12	2	Inlet II (FW) C (FW)	842.98	37.0		3.0	839.00	838.80	50		7	1	1	11.7										62	
58	35+70.0		X		12	2	Inlet II (FW) C (FW)	843.05	13.0		4.2	837.65	837.50	50		7	1	1	6.1										61	
59	35+80.0		X		30	2	M.H. II (FW) A (FW)	844.69	182.0		3.2	837.05	836.50	50		7	1	1	138.2										49	
60							NOT USED																							
61	35+85.0		X		24	2	Inlet II (FW) C (FW)	843.1	16.0		3.5	837.62	837.50	50		7	1	1	10.3										59	
62	35+85.0	X			24	2	M.H. II (FW) A (FW)	843.1	61.0		2.3	838.28	837.82	50		7	1	1	24.7										61	
63	35+98.0	X			15	2	Inlet IV (FW) F (FW)	843	16.0		2.4	839.00	838.93	50		7	1	1	4.5				1						63	Pipe end section required
		X			18				18.0		4.0	838.63	838.50	50		7	1	1	10.1										62	
64	36+42.0	X			18	2	Inlet II (FW) C (FW)	843.5	42.0		1.0	840.15	839.73	50		7	1	1	5.2										63	
65	36+50.0	X			15	2	Inlet IV (FW) F (FW)	843.65	6.0		4.2	839.19	839.15	50		7	1	1	3.2										64	
66	36+85.0		X		15	2	Inlet II (FW) C (FW)	843.65	4.0		2.6	839.12	839.07	50		7	1	1	1.2										67	
67	36+85.0		X		24	2	M.H. I (FW) A (FW)	843.77	105.0		3.7	837.90	837.60	50		7	1	1	70.2										59	
68	36+85.0	X			15	2	Inlet II (FW) C (FW)	843.65	53.0		2.8	839.12	838.60	50		7	1	1	17.8										67	
69	37+05.0		X		12	2	Inlet II (FW) C (FW)	843.9	18.0		2.7	839.42	839.22	50		7	1	1	4.9										66	
70							NOT USED																							
71	38+65.0		X		12	2	Inlet II (FW) C (FW)	847.58	17.0		2.2	843.94	843.74	50		7	1	1	3.8										72	
72	38+85.0		X		15	2	Inlet II (FW) C (FW)	848.18	4.0		2.6	843.64	843.59	50		7	1	1	1.2										73	
73	38+85.0		X		18	2	M.H. I (FW) A (FW)	848.3	197.0		3.4	840.80	839.80	50		7	1	1	93.9										67	

A = ABRASIVE
NA = NON-ABRASIVE

NOTE:
Type 1 Structure Backfill quantities calculated in accordance with IDM 17-3.02 Hand-Calc. of Backfill Quantities to the base of Subgrade Treatment

Cover shown is from top of pipe to top of Subgrade Treatment

gai consultants

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: F.M.M. DRAWN: R.J.R
CHECKED: M.J.S CHECKED: M.J.S

INDIANA DEPARTMENT OF TRANSPORTATION

STRUCTURE DATA TABLE

HORIZONTAL SCALE	BRIDGE FILE
NONE	
VERTICAL SCALE	DESIGNATION
NONE	0901798
SURVEY BOOK	SHEETS
	122 OF 183
CONTRACT	PROJECT
R-34815	0901798

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION: STATION	LOCATION: LEFT	LOCATION: RIGHT	LOCATION: CROSS	SIZE	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	STR. RIM ELEVATION	LENGTH (ft)	SKEW	COVER (ft)	FLOW LINE: UP STREAM ELEV.	FLOW LINE: DOWN STREAM ELEV.	SERVICE LIFE (YR.)	SITE DESIGNATION	pH	BACKFILL METHOD	BACKFILL TYPE	STRUCTURE BACKFILL (CU. YD.)	RECONSTRUCTED STRUCTURE (FT.)	REVETMENT RIPRAP (TONS)	GEOTEXTILE (SYS.)	PIPE END SECTION (EA.)	GRATED BOX END SECTION: TYPE	GRATED BOX END SECTION: SLOPE	GRATED BOX END SECTION: EA.	SAFETY METAL END SECTION: SLOPE	SAFETY METAL END SECTION: EA.	CONNECT TO STR. NO.	REMARKS
	LINE "PR-A"																													
74	38+85.0	X			12	2	Inlet II (FW) C (FW)	848.18	53.0		3.1	843.64	843.12	50		7	1	1	17.2										73	
75	40+75.0		X		12	2	Inlet I (FW) B (FW)	849.82	11.0		2.8	848.79	848.73	50		7	1	1	3.2										76	
76	40+85.0		X		15	2	Inlet II (FW) C (FW)	853.25	4.0		2.6	848.73	848.68	50		7	1	1	1.2										77	
77	40+85.0		X		15	2	M.H. I (FW) A (FW)	853.37	197.0		5.7	843.70	842.50	50		7	1	1	149.1										73	
78	40+85.0	X			12	2	Inlet II (FW) C (FW)	853.25	53.0		3.0	848.73	848.21	50		7	1	1	17.1										77	
79	42+50.0	X			12	2	Inlet II (FW) C (FW)	856.35	53.0		3.1	851.81	851.29	50		7	1	1	17.2										82	
80							NOT USED																							
81	42+50.0		X		12	2	Inlet II (FW) C (FW)	856.35	4.0		2.8	851.81	851.76	50		7	1	1	1.2										82	
82	42+50.0		X		12	2	M.H. I (FW) A (FW)	856.47	162.0		5.2	848.20	847.70	50		7	1	1	98.0										77	
83	45+18.0	X			12	2	Inlet II (FW) C (FW)	857.41	53.0		2.9	853.00	852.44	50		7	1	1	16.5										84	
84	45+18.0		X		15	2	M.H. I (FW) A (FW)	857.53	110.0		3.3	852.30	851.94	50		7	1	1	43.9										92	
85	45+18.0		X		12	2	Inlet II (FW) C (FW)	857.41	5.0		2.7	853.00	852.93	50		7	1	1	1.4										84	
86	45+90.0	X			12	2	Inlet II (FW) C (FW)	857.23	30.0		2.7	852.81	852.65	50		7	1	1	8.4										88	
87	45+90.0		X		12	2	Inlet II (FW) C (FW)	857.23	40.0		2.7	852.81	852.60	50		7	1	1	11.3										93	
88	46+22.0	X			15	2	Inlet II (FW) C (FW)	857.21	7.0		2.5	852.65	852.60	50		7	1	1	2.1										89	
89	46+32.0	X			15	2	Inlet II (FW) C (FW)	857.2	53.0		2.9	852.60	852.04	50		7	1	1	18.5										92	
90							NOT USED																							
91	46+32.0		X		15	2	Inlet I (FW) B (FW)	853.79	4.0		0.7	852.76	852.73	50		7	1	1	0.2										93	
92	46+32.0		X		18	2	M.H. I (FW) A (FW)	857.32	114.0		3.7	851.65	851.30	50		7	1	1	58.1										97	
93	46+32.0		X		15	2	Inlet II (FW) C (FW)	857.2	4.0		2.5	852.73	852.67	50		7	1	1	1.2										92	
94	46+60.0	X			12	2	Inlet II (FW) C (FW)	857.22	26.0		2.7	852.80	852.66	50		7	1	1	7.2										89	
95	46+60.0		X		12	2	Inlet II (FW) C (FW)	857.22	26.0		2.7	852.80	852.66	50		7	1	1	7.2										93	
96	47+40.0	X			12	2	Inlet I (FW) B (FW)	857	20.0		3.1	854.20	854.00	50		7	1	1	6.6										99	
97	47+50.0		X		18	2	M.H. I (FW) A (FW)	857.53	97.0		4.5	851.10	850.70	50		7	1	1	62.8										102	
98	47+50.0		X		12	2	Inlet II (FW) C (FW)	857.4	4.0		2.7	852.98	852.92	50		7	1	1	1.1										97	
99	47+50.0	X			12	2	Inlet II (FW) C (FW)	857.4	53.0		2.0	853.96	853.40	50		7	1	1	10.3										97	
100							NOT USED																							
101	48+50.0	X			12	2	Inlet II (FW) C (FW)	857.79	53.0		3.0	853.37	852.81	50		7	1	1	16.6										102	
102	48+50.0		X		18	2	M.H. I (FW) A (FW)	857.91	87.0		5.6	850.40	850.00	50		7	1	1	71.5										106	
103	48+50.0		X		12	2	Inlet II (FW) C (FW)	857.79	4.0		2.7	853.37	853.30	50		7	1	1	1.1										102	
104	49+10.0	X			12	2	Inlet I (FW) B (FW)	856.5	20.0		1.6	854.00	853.70	50		7	1	1	3.0										105	
105	49+10.0	X			12	2	Inlet II (FW) C (FW)	858.03	60.0		3.1	853.50	853.00	50		7	1	1	19.8										106	
106	49+40.0		X		24	2	M.H. I (FW) A (FW)	858.27	61.0		4.3	849.60	849.30	50		7	1	1	48.4				1							Pipe end section required
107	51+40.0		X		12	2	M.H. I (FW) A (FW)	858.24	116.0		3.8	852.30	851.90	50		7	1	1	48.5										112	
108	51+40.0	X			12	2	Inlet II (FW) C (FW)	858.12	53.0		3.0	853.70	853.14	50		7	1	1	16.6										107	
109	51+40.0		X		12	2	Inlet II (FW) C (FW)	858.12	4.0		2.7	853.70	853.64	50		7	1	1	1.1										107	
110							NOT USED																							

A = ABRASIVE
NA = NON-ABRASIVE

NOTE:
Type 1 Structure Backfill quantities calculated in accordance with IDM 17-3.02 Hand-Calc. of Backfill Quantities to the base of Subgrade Treatment

Cover shown is from top of pipe to top of Subgrade Treatment

gai consultants

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: F.M.M.
CHECKED: M.J.S.
DRAWN: R.J.R
CHECKED: M.J.S.

INDIANA
DEPARTMENT OF TRANSPORTATION

STRUCTURE DATA TABLE

HORIZONTAL SCALE	BRIDGE FILE
NONE	
VERTICAL SCALE	DESIGNATION
NONE	0901798
SURVEY BOOK	SHEETS
	123 OF 183
CONTRACT	PROJECT
R-34815	0901798

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION STATION	LOCATION LEFT	LOCATION RIGHT	LOCATION CROSS	SIZE	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	STR. RIM ELEVATION	LENGTH ft	SKEW	COVER ft	FLOW LINE UP STREAM ELEV.	FLOW LINE DOWN STREAM ELEV.	SERVICE LIFE YR.	SITE DESIGNATION	pH	BACKFILL METHOD	BACKFILL TYPE	STRUCTURE BACKFILL CU. YD.	RECONSTRUCTED STRUCTURE FT.	REVETMENT RIPRAP TONS	GEOTEXTILE SYS.	PIPE END SECTION EA.	GRATED BOX END SECTION TYPE	GRATED BOX END SECTION SLOPE	GRATED BOX END SECTION EA.	SAFETY METAL END SECTION SLOPE	SAFETY METAL END SECTION EA.	CONNECT TO STR. NO.	REMARKS
	LINE "A"																													
111	51+50.0		X		12	2	Inlet I (FW) B (FW)	858.00	11.0		3.8	854.50	854.00	50		7	1	1	4.6										109	
112	52+60.0		X		12	2	M.H. I (FW) A (FW)	857.13	117.0		3.9	851.00	850.30	50		7	1	1	50.4										115	
113	52+60.0	X			12	2	Inlet II (FW) C (FW)	857.01	53.0		3.0	852.60	852.04	50		7	1	1	16.5										112	
114	52+60.0		X		12	2	Inlet II (FW) C (FW)	857.01	4.0		2.7	852.60	852.54	50		7	1	1	1.1										112	
115	53+80.0		X		15	2	M.H. I (FW) A (FW)	855.53	117.0		3.6	849.50	848.70	50		7	1	1	52.0										118	
116	53+80.0	X			12	2	Inlet II (FW) C (FW)	855.41	53.0		2.9	851.00	850.44	50		7	1	1	16.5										115	
117	53+80.0		X		12	2	Inlet II (FW) C (FW)	855.41	4.0		2.7	851.00	850.94	50		7	1	1	1.1										115	
118	55+00.0		X		15	2	M.H. I (FW) A (FW)	853.93	128.0		3.6	848.30	847.45	50		7	1	1	57.0										128	
119	55+00.0		X		12	2	Inlet II (FW) C (FW)	853.81	4.0		2.7	849.40	849.34	50		7	1	1	1.1										118	
120							NOT USED																							
121	55+00.0	X			12	2	Inlet II (FW) C (FW)	853.81	53.0		2.9	849.40	848.84	50		7	1	1	16.5										118	
122	55+80.0		X		12	2	Inlet II (FW) C (FW)	853.10	39.0		2.6	848.70	848.50	50		7	1	1	10.6										126	
123	55+85.0	X			12	2	Inlet II (FW) C (FW)	853.07	8.0		2.1	849.13	849.08	50		7	1	1	1.7										124	
124	55+95.0	X			12	2	Inlet II (FW) C (FW)	853.03	23.0		2.2	849.08	848.95	50		7	1	1	5.0										125	
125	56+21.0	X			12	2	Inlet II (FW) C (FW)	852.97	7.0		2.2	848.95	848.90	50		7	1	1	1.6										127	
126	56+21.0		X		12	2	Inlet II (FW) C (FW)	852.97	7.0		2.7	848.50	848.45	50		7	1	1	2.0										129	
127	56+31.0	X			15	2	M.H. I (FW) C (FW)	852.97	52.0		2.2	848.90	848.70	50		7	1	1	13.1										128	
128	56+31.0		X		24	2	M.H. I (FW) A (FW)	853.09	3.0		4.0	846.21	846.20	50		7	1	1	2.2										129	
129	56+31.0		X		24	2	M.H. I (FW) C (FW)	852.97	90.0		1.6	846.20	846.00	50		7	1	1	25.9				1							Pipe end section required
130							NOT USED																							
131	56+75.0	X			12	2	Inlet II (FW) C (FW)	853.07	41.0		2.2	849.12	848.90	50		7	1	1	9.0										127	
132	56+80.0		X		12	2	Inlet II (FW) C (FW)	853.09	46.0		2.7	848.70	848.45	50		7	1	1	12.6										129	
133	58+00.0		X		18	2	M.H. I (FW) A (FW)	853.84	166.0		3.3	848.10	847.60	50		7	1	1	76.1										128	
134	58+00.0		X		12	2	Inlet II (FW) C (FW)	853.72	4.0		3.1	849.00	848.70	50		7	1	1	1.3										133	
135	58+00.0	X			12	2	Inlet II (FW) C (FW)	853.72	53.0		3.1	849.00	848.70	50		7	1	1	17.7										133	
136	58+91.2	X			18	2	Inlet II (FW) C (FW)	853.78	43.0		11.6	840.11	839.89	50		7	1	1	83.0										139	
137	59+00.0		X		15	2	M.H. I (FW) A (FW)	854.37	96.0		3.0	849.20	848.95	50		7	1	1	34.6										133	
138	59+00.0		X		12	2	Inlet II (FW) C (FW)	854.25	4.0		3.2	849.50	849.20	50		7	1	1	1.4										137	
139	59+35.7	X			18	2	Inlet II (FW) C (FW)	853.97	135.0		6.7	839.89	839.71	50		7	1	1	136.9										144	
140							NOT USED																							
141	60+00.0		X		15	2	M.H. I (FW) A (FW)	854.90	97.0		3.0	849.70	849.40	50		7	1	1	35.7										137	
142	60+00.0		X		12	2	Inlet II (FW) C (FW)	854.78	4.0		3.2	850.00	849.70	50		7	1	1	1.4										141	
143	60+00.0	X			12	2	Inlet II (FW) C (FW)	854.78	53.0		3.2	850.00	849.70	50		7	1	1	18.1										141	
144	60+72.0	X			30	2	M.H. II (FW) F (FW)	843.67	139.0		4.6	836.00	835.60	50		7	1	1	150.1										145	
145	60+80.0		X		30	2	M.H. II (FW) A (FW)	840.18	65.0		3.2	835.40	835.20	50		7	1	1	48.8										149	
146	61+00.0		X		12	2	M.H. I (FW) A (FW)	855.43	97.0		3.0	850.50	850.20	50		7	1	1	31.0										141	
147	61+00.0		X		12	2	Inlet II (FW) C (FW)	855.31	4.0		3.1	850.60	850.30	50		7	1	1	1.3										146	

A = ABRASIVE
NA = NON-ABRASIVE

NOTE:
Type 1 Structure Backfill quantities calculated in accordance with IDM 17-3.02 Hand-Calc. of Backfill Quantities to the base of Subgrade Treatment

Cover shown is from top of pipe to top of Subgrade Treatment

gai consultants

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

INDIANA
DEPARTMENT OF TRANSPORTATION

DESIGNED: F.M.M.
CHECKED: M.J.S
DRAWN: R.J.R
CHECKED: M.J.S

STRUCTURE DATA TABLE

HORIZONTAL SCALE	BRIDGE FILE
NONE	
VERTICAL SCALE	DESIGNATION
NONE	0901798
SURVEY BOOK	SHEETS
	124 OF 183
CONTRACT	PROJECT
R-34815	0901798

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION STATION	LOCATION LEFT	LOCATION RIGHT	LOCATION CROSS	SIZE	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	STR. RIM ELEVATION	LENGTH ft	SKEW	COVER ft	FLOW LINE UP STREAM ELEV.	FLOW LINE DOWN STREAM ELEV.	SERVICE LIFE YR.	SITE DESIGNATION	pH	BACKFILL METHOD	BACKFILL TYPE	STRUCTURE BACKFILL CU. YD.	RECONSTRUCTED STRUCTURE FT.	REVETMENT RIPRAP TONS	GEOTEXTILE SYS.	PIPE END SECTION EA.	GRATED BOX END SECTION TYPE	GRATED BOX END SECTION SLOPE	GRATED BOX END SECTION EA.	SAFETY METAL END SECTION SLOPE	SAFETY METAL END SECTION EA.	CONNECT TO STR. NO.	REMARKS
	LINE "PR-A"																													
148	61+00.0	X			12	2	Inlet II (FW) C (FW)	855.31	53.0		3.1	850.60	850.30	50		7	1	1	17.6										146	
149	61+48.0		X		30	2	M.H. II (FW) A (FW)	839.78	9.0		2.0	835.19	835.18	50		7	1	1	4.5											Connect to existing 30" pipe
150	62+00.0				12	2	Inlet I (FW) - B (FW)	844.50	127.0		2.1	841.50	838.92	50		7	1	1	26.0										144	
	LINE "PRS-5-A"																													
151	13+05.0	X			15	2	Inlet II (FW) C (FW)	874.06	274.0		21.4	841.28	839.89	50		7	1	1	1080.9										139	
152	12+95.0	X			12	2	Inlet II (FW) C (FW)	874.05	8.0		30.9	841.33	841.28	50		7	1	1	49.9										151	
153	13+05.0		X		12	2	Inlet II (FW) C (FW)	874.06	24.0		30.9	841.41	841.28	50		7	1	1	149.4										151	
154	12+95.0		X		12	2	Inlet II (FW) C (FW)	874.05	8.0		30.8	841.45	841.41	50		7	1	1	49.6										153	
	LINE "PR-A"																													
155	64+50.0		X		12	2	M.H. I (FW) A (FW)	855.50	227.0		4.7	848.40	842.90	50		7	1	1	122.0										159	
156	64+50.0		X		12	2	Inlet II (FW) C (FW)	855.38	5.0		3.6	850.10	850.00	50		7	1	1	2.0										155	
157	64+50.0	X			12	2	Inlet II (FW) C (FW)	855.38	52.0		3.6	850.10	850.00	50		7	1	1	20.4										155	
158	66+70.0		X		12	2	Inlet II (FW) C (FW)	848.86	8.0		2.8	844.15	844.10	50		7	1	1	2.4										161	
159	66+80.0		X		15	2	M.H. I (FW) A (FW)	848.76	106.0		5.2	841.00	840.46	50		7	1	1	71.9										165	
160	58+65.0	X			18	2	Inlet I (FW) - B (FW)	841.78	25.0		5.3	840.24	840.11	50		7	1	1	19.4										136	
161	66+80.0		X		12	2	Inlet II (FW) C (FW)	848.64	5.0		3.1	843.85	843.80	50		7	1	1	1.6										159	
162	66+80.0	X			12	2	Inlet II (FW) C (FW)	848.64	52.0		3.0	844.10	843.80	50		7	1	1	16.2										159	
163	67+80.0		X		12	2	Inlet II (FW) C (FW)	847.11	8.0		2.8	842.45	842.40	50		7	1	1	2.4										166	
164	67+90.0	X			12	2	Inlet II (FW) C (FW)	847.03	52.0		2.9	842.40	842.30	50		7	1	1	16.1										165	
165	67+90.0		X		15	2	M.H. I (FW) A (FW)	847.15	167.0		6.1	838.90	838.00	50		7	1	1	137.2										169	
166	67+90.0		X		12	2	Inlet II (FW) C (FW)	847.03	5.0		2.9	842.40	842.30	50		7	1	1	1.6										165	
167	69+60.0		X		12	2	Inlet II (FW) C (FW)	845.93	5.0		2.9	841.35	841.30	50		7	1	1	1.5										169	
168	69+60.0	X			12	2	Inlet II (FW) C (FW)	845.93	52.0		2.5	841.92	841.40	50		7	1	1	13.5										169	
169	69+60.0		X		18	2	M.H. I (FW) A (FW)	846.05	167.0		6.5	836.40	835.05	50		7	1	1	163.1										174	
170							NOT USED																							
171	70+83.0	X			12	2	Inlet I (FW) - B (FW)	840.70	5.0		1.2	837.76	837.69	50		7	1	1	0.5											Remove exist. 12" pipe south of new Str.
172	71+13.0		X		12	2	Inlet II (FW) C (FW)	839.44	45.0		1.1	838.40	838.25	50		7	1	1	4.1										174	
173	71+15.2	X			12	2	Inlet II (FW) C (FW)	839.44	67.0		1.1	838.40	838.25	50		7	1	1	6.1										174	
174	71+30.0		X		18	2	M.H. I (FW) A (FW)	843.01	126.0		6.0	833.80	833.00	50		7	1	1	112.5										177	
175	72+60.0	X			12	2	Inlet II (FW) C (FW)	840.30	52.0		2.9	835.75	835.65	50		7	1	1	15.6										177	
176	72+60.0		X		12	2	Inlet II (FW) C (FW)	840.30	5.0		3.4	834.65	835.75	50		7	1	1	1.8										177	
177	72+60.0		X		18	2	M.H. I (FW) A (FW)	840.42	187.0		5.8	831.60	830.05	50		7	1	1	160.6										183	
178	74+35.0	X			12	2	Inlet II (FW) C (FW)	837.54	12.0		3.0	832.68	832.60	50		7	1	1	3.8										181	
179	74+35.0		X		12	2	Inlet II (FW) C (FW)	837.54	12.0		1.1	832.66	832.60	50		7	1	1	1.1										182	
180							NOT USED																							
181	74+50.0	X			12	2	Inlet II (FW) C (FW)	837.33	52.0		2.7	833.12	832.60	50		7	1	1	14.8										183	
182	74+50.0		X		12	2	Inlet II (FW) C (FW)	837.33	5.0		3.0	832.65	832.60	50		7	1	1	1.6										183	
183	74+50.0		X		24	2	M.H. I (FW) A (FW)	837.45	177.0		5.5	828.10	827.40	50		7	1	1	179.9										186	
184	76+25.0		X		12	2	Inlet II (FW) C (FW)	834.58	6.0		3.5	829.35	829.25	50		7	1	1	2.3										186	
185	76+30.0	X			12	2	Inlet II (FW) C (FW)	834.48	52.0		3.4	829.35	829.25	50		7	1	1	19.4										186	

A = ABRASIVE
NA = NON-ABRASIVE

NOTE:
Type 1 Structure Backfill quantities calculated in accordance with IDM 17-3.02 Hand-Calc. of Backfill Quantities to the base of Subgrade Treatment

Cover shown is from top of pipe to top of Subgrade Treatment

gai consultants

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

INDIANA
DEPARTMENT OF TRANSPORTATION

DESIGNED: F.M.M.
CHECKED: M.J.S
DRAWN: R.J.R
CHECKED: M.J.S

STRUCTURE DATA TABLE

HORIZONTAL SCALE	BRIDGE FILE
NONE	
VERTICAL SCALE	DESIGNATION
NONE	0901798
SURVEY BOOK	SHEETS
	125 OF 183
CONTRACT	PROJECT
R-34815	0901798

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION STATION	LOCATION LEFT	LOCATION RIGHT	LOCATION CROSS	SIZE	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	STR. RIM ELEVATION	LENGTH ft	SKEW	COVER ft	FLOW LINE UP STREAM ELEV.	FLOW LINE DOWN STREAM ELEV.	SERVICE LIFE YR.	SITE DESIGNATION	pH	BACKFILL METHOD	BACKFILL TYPE	STRUCTURE BACKFILL CU. YD.	RECONSTRUCTED STRUCTURE FT.	REVETMENT RIPRAP TONS	GEOTEXTILE SYS.	PIPE END SECTION EA.	GRATED BOX END SECTION TYPE	GRATED BOX END SECTION SLOPE	GRATED BOX END SECTION EA.	SAFETY METAL END SECTION SLOPE	SAFETY METAL END SECTION EA.	CONNECT TO STR. NO.	REMARKS
	LINE "PR-A"																													
186	76+30.0		X		24	2	M.H. I (FW) A (FW)	834.60	167.0		4.8	825.50	824.80	50		7	1	1	148.4										187	
187	78+00.0		X		24	2	M.H. I (FW) A (FW)	830.95	112.0		4.0	823.40	822.80	50		7	1	1	81.6										193	
188	78+00.0	X			15	2	Inlet II (FW) C (FW)	830.83	52.0		2.8	826.10	826.00	50		7	1	1	17.4										187	
189	78+00.0		X		12	2	Inlet II (FW) C (FW)	830.83	5.0		3.5	825.00	826.10	50		7	1	1	1.9										187	
190							NOT USED																							
191	78+00.0	X			15	2	Inlet IV (FW) - F (FW)	827.51	22.0		2.8	826.22	826.10	50		7	1	1	7.3										188	
192	79+10.0		X		12	2	Inlet II (FW) C (FW)	828.79	6.0		3.1	824.00	823.90	50		7	1	1	2.0										193	
193	79+15.0		X		24	2	M.H. I (FW) A (FW)	828.84	82.0		4.4	821.50	821.05	50		7	1	1	65.6										197	
194	79+15.0	X			15	2	Inlet IV (FW) - F (FW)	825.21	22.0		2.8	823.92	823.88	50		7	1	1	7.4										195	
195	79+15.0	X			15	2	Inlet II (FW) C (FW)	828.72	52.0		2.8	824.00	823.90	50		7	1	1	17.3										193	
196	80+00.0		X		12	2	Inlet II (FW) C (FW)	827.93	5.0		3.1	823.10	823.10	50		7	1	1	1.6										197	
197	80+00.0		X		24	2	M.H. I (FW) A (FW)	828.05	57.0		6.1	819.20	818.90	50		7	1	1	65.4										205	
198	80+01.2	X			24	2	M.H. I (FW) B (FW)	825.40	18.0		5.1	819.80	819.50	50		7	1	1	16.8										199	Remove 22' of pipe req'd.
199	80+23.4	X			36	2	M.H. II (FW) B (FW)	826.00	12.0		5.6	817.60	817.51	50		7	1	1	19.0										201	
200							NOT USED																							
201	80+24.0	X			36	2	M.H. II (FW) C (FW)	827.83	61.0		6.7	817.50	817.25	50		7	1	1	115.9										205	
202	80+51.0	X			12	2	Inlet II (FW) C (FW)	827.78	7.0		3.0	823.05	823.00	50		7	1	1	2.2										207	
203	80+51.0		X		12	2	Inlet II (FW) C (FW)	827.78	8.0		3.0	823.05	823.00	50		7	1	1	2.5										206	
204	80+52.1		X		24	2	M.H. I (FW) B (FW)	824.50	8.0		3.4	817.69	817.68	50		7	1	1	4.9											
205	80+61.0		X		48	2	M.H. IV (FW) A (FW)	827.90	74.0		6.3	817.00	816.90	50		7	1	1	182.8										212	
206	80+61.0		X		12	2	Inlet II (FW) C (FW)	827.78	4.0		3.1	823.00	822.90	50		7	1	1	1.3										205	
207	80+61.0	X			12	2	Inlet II (FW) C (FW)	827.78	51.0		3.1	823.00	822.90	50		7	1	1	16.8										205	
208	80+77.3		X		30	2	M.H. II (FW) B (FW)	824.50	10.0		3.4	817.30	817.29	50		7	1	1	7.9											
209	81+40.0		X		12	2	Inlet II (FW) C (FW)	828.08	4.0		3.2	823.20	823.10	50		7	1	1	1.4										212	
210							NOT USED																							
211	81+40.0	X			12	2	Inlet II (FW) C (FW)	828.08	51.0		3.2	823.20	823.10	50		7	1	1	17.4										212	
212	81+40.0		X		48	2	M.H. III (FW) A (FW)	828.20	95.0		7.1	816.70	816.50	50		7	1	1	261.7										218	
213	81+95.4	X			12	2	Inlet II (FW) C (FW)	827.70	15.0		1.8	824.06	823.97	50		7	1	1	2.5										214	
214	82+06.5	X			15	2	Inlet II (FW) C (FW)	827.50	34.0		1.8	823.97	823.80	50		7	1	1	6.9										216	
215	82+08.3	X			12	2	Inlet II (FW) C (FW)	827.70	17.0		1.8	824.07	823.97	50		7	1	1	2.9										214	
216	82+39.8	X			18	2	M.H. I (FW) D (FW)	828.00	53.0		3.8	823.80	820.70	50		7	1	1	28.6										218	
217	82+40.0		X		15	2	Inlet II (FW) C (FW)	828.66	4.0		2.9	823.80	823.70	50		7	1	1	1.4										218	
218	82+40.0		X		48	2	M.H. III (FW) A (FW)	828.78	95.0		7.9	816.50	816.20	50		7	1	1	290.4										224	
219	82+65.4	X			12	2	Inlet II (FW) C (FW)	827.90	17.0		2.0	824.07	823.97	50		7	1	1	3.4										221	
220							NOT USED																							
221	82+67.1	X			15	2	Inlet II (FW) C (FW)	827.80	29.0		2.0	823.97	823.80	50		7	1	1	6.5										216	
222	83+40.0	X			12	2	Inlet II (FW) C (FW)	829.24	51.0		3.3	824.30	824.20	50		7	1	1	17.8										224	

A = ABRASIVE
NA = NON-ABRASIVE

NOTE:
Type 1 Structure Backfill quantities calculated in accordance with IDM 17-3.02 Hand-Calc. of Backfill Quantities to the base of Subgrade Treatment

Cover shown is from top of pipe to top of Subgrade Treatment

gai consultants

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: F.M.M.
CHECKED: M.J.S.
DRAWN: R.J.R
CHECKED: M.J.S.

INDIANA
DEPARTMENT OF TRANSPORTATION

STRUCTURE DATA TABLE

HORIZONTAL SCALE	BRIDGE FILE
NONE	
VERTICAL SCALE	DESIGNATION
NONE	0901798
SURVEY BOOK	SHEETS
	126 OF 183
CONTRACT	PROJECT
R-34815	0901798

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION STATION	LEFT	RIGHT	CROSS	SIZE	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	STR. RIM ELEVATION	LENGTH ft	SKEW	COVER ft	FLOW LINE UP STREAM ELEV.	FLOW LINE DOWN STREAM ELEV.	SERVICE LIFE YR.	SITE DESIGNATION	pH	BACKFILL METHOD	BACKFILL TYPE	STRUCTURE BACKFILL CU. YD.	RECONSTRUCTED STRUCTURE FT.	REVETMENT RIPRAP TONS	GEOTEXTILE SYS.	PIPE END SECTION EA.	GRATED BOX END SECTION TYPE	GRATED BOX END SECTION SLOPE	GRATED BOX END SECTION EA.	SAFETY METAL END SECTION SLOPE	SAFETY METAL END SECTION EA.	CONNECT TO STR. NO.	REMARKS
	LINE "PR-A"																													
223	83+40.0		X		12	2	Inlet II (FW) C (FW)	829.24	4.0		3.9	822.95	824.30	50		7	1	1	1.7										224	
224	83+40.0		X		48	2	M.H. III (FW) A (FW)	829.36	105.0		8.8	816.20	815.90	50		7	1	1	356.6										226	
225	84+30.0	X			15	2	Inlet IV (FW) - F (FW)	826.59	26.0		2.8	825.30	825.10	50		7	1	1	8.7										227	
226	84+50.0		X		48	2	M.H. III (FW) A (FW)	830.01	29.0		9.6	815.90	815.55	50		7	1	1	106.7										232	
227	84+50.0	X			15	2	Inlet II (FW) C (FW)	829.89	52.0		3.0	825.00	824.90	50		7	1	1	18.6										226	
228	84+58.1		X		12	2	Inlet II (FW) C (FW)	828.20	40.0		2.9	824.50	824.40	50		7	1	1	12.0										226	
229	84+60.0	X			12	2	Inlet II (FW) C (FW)	829.95	7.0		3.1	825.05	825.00	50		7	1	1	2.3										227	
230							NOT USED																							
231	84+82.1		X		12	2	Inlet II (FW) C (FW)	828.20	23.0		1.9	824.60	824.50	50		7	1	1	4.1										228	
232	84+84.6		X		48	2	M.H. III (FW) A (FW)	830.22	90.0		10.1	815.80	815.55	50		7	1	1	346.8										234	
					12			830.22	12.0		11.2	817.18	817.18				1	1	18.7										232	Ductile iron pipe for sanitary sewer
233	85+80.0	X			12	2	Inlet II (FW) C (FW)	830.71	52.0		3.1	825.90	825.80	50		7	1	1	17.3										234	
234	85+80.0		X		48	2	M.H. III (FW) A (FW)	830.83	123.0		11.2	815.45	815.15	50		7	1	1	527.5										238	
235	85+80.0		X		12	2	Inlet II (FW) C (FW)	830.71	3.0		3.1	825.90	825.80	50		7	1	1	1.0										234	
236	85+90.0	X			12	2	Inlet II (FW) C (FW)	830.78	7.0		3.0	825.95	825.90	50		7	1	1	2.2										233	
237	85+90.0		X		12	2	Inlet II (FW) C (FW)	830.78	10.0		3.0	825.95	825.90	50		7	1	1	3.2										235	
238	87+08.0		X		48	2	M.H. IV (FW) A (FW)	831.74	39.0		10.6	815.00	814.88	50		7	1	1	158.1										300	
239	87+18.3	X			24	2	M.H. I (FW) C (FW)	831.82	11.0		6.9	822.17	822.10	50		7	1	1	14.3										239	From Str. No. 553
239	87+18.3	X			24	2			55.0		7.2	822.00	821.50	50		7	1	1	75.7										238	
240							NOT USED																							
241	87+19.0		X		12	2	Inlet II (FW) C (FW)	831.70	10.0		3.1	826.90	826.80	50		7	1	1	3.3										238	
242	87+29.0		X		12	2	Inlet II (FW) C (FW)	831.78	10.0		3.0	826.95	826.90	50		7	1	1	3.2										241	
243	88+50.0		X		24	2	M.H. I (FW) A (FW)	832.78	138.0		2.9	826.70	826.40	50		7	1	1	72.5										238	
244	88+50.0	X			15	2	Inlet II (FW) C (FW)	832.66	53.0		3.2	827.50	827.40	50		7	1	1	20.9										243	
245	88+50.0		X		15	2	Inlet II (FW) C (FW)	832.66	4.0		3.2	827.50	827.40	50		7	1	1	1.6										243	
246	88+60.0	X			12	2	Inlet II (FW) C (FW)	832.75	7.0		3.4	827.55	827.50	50		7	1	1	2.6										244	
247	88+60.0		X		12	2	Inlet II (FW) C (FW)	832.75	7.0		3.4	827.55	827.50	50		7	1	1	2.6										245	
248	88+90.0		X		12	2	Inlet II (FW) C (FW)	833.09	30.0		3.5	827.64	827.55	50		7	1	1	11.5										247	
249	89+00.0		X		12	2	Inlet II (FW) C (FW)	833.23	11.0		3.7	827.68	827.64	50		7	1	1	4.5										248	
250							NOT USED																							
251	89+10.0		X		12	2	Inlet II (FW) C (FW)	833.38	47.0		3.6	827.80	827.55	50		7	1	1	18.5										246	
252	90+25.0		X		18	2	M.H. I (FW) A (FW)	836.07	172.0		3.9	828.60	827.90	50		7	1	1	93.7										243	
253	90+25.0		X		12	2	Inlet II (FW) C (FW)	835.95	5.0		4.0	830.30	830.20	50		7	1	1	2.2										252	
254	90+25.0	X			12	2	Inlet II (FW) C (FW)	835.95	60.0		4.0	830.30	830.20	50		7	1	1	26.5										252	
255	90+35.0		X		12	2	Inlet II (FW) C (FW)	836.26	10.0		4.0	830.35	830.30	50		7	1	1	4.4										253	
256							NOT USED																							
257	91+00.0		X		15	2	M.H. I (FW) A (FW)	838.39	71.0		4.9	830.50	830.00	50		7	1	1	45.6										252	
258	91+00.0		X		12	2	Inlet II (FW) C (FW)	838.27	5.0		5.3	831.21	831.17	50		7	1	1	3.1										257	
259	91+10.0		X		12	2	Inlet II (FW) C (FW)	838.27	11.0		5.2	831.26	831.21	50		7	1	1	6.8										258	
260							NOT USED																							

A = ABRASIVE
NA = NON-ABRASIVE

NOTE:
Type 1 Structure Backfill quantities calculated in accordance with IDM 17-3.02 Hand-Calc. of Backfill Quantities to the base of Subgrade Treatment

Cover shown is from top of pipe to top of Subgrade Treatment

gai consultants

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: F.M.M.
CHECKED: M.J.S.
DRAWN: R.J.R
CHECKED: M.J.S.

INDIANA DEPARTMENT OF TRANSPORTATION

STRUCTURE DATA TABLE

HORIZONTAL SCALE	BRIDGE FILE
NONE	
VERTICAL SCALE	DESIGNATION
NONE	0901798
SURVEY BOOK	SHEETS
	127 OF 183
CONTRACT	PROJECT
R-34815	0901798

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION STATION	LEFT	RIGHT	CROSS	SIZE	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	STR. RIM ELEVATION	LENGTH ft	SKEW	COVER ft	FLOW LINE UP STREAM ELEV.	FLOW LINE DOWN STREAM ELEV.	SERVICE LIFE YR.	SITE DESIGNATION	pH	BACKFILL METHOD	BACKFILL TYPE	STRUCTURE BACKFILL CU. YD.	RECONSTRUCTED STRUCTURE FT.	REVETMENT RIPRAP TONS	GEOTEXTILE SYS.	PIPE END SECTION EA.	GRATED BOX END SECTION TYPE	GRATED BOX END SECTION SLOPE	GRATED BOX END SECTION EA.	SAFETY METAL END SECTION SLOPE	SAFETY METAL END SECTION EA.	CONNECT TO STR. NO.	REMARKS
	LINE "PR-A"																													
261	91+30.0	X			12		Inlet II (FW) C (FW)	839.20	61.0		5.7	831.49	831.17	50		7	1	1	41.1										257	
262	92+80.0	X			12		Inlet II (FW) C (FW)	842.34	54.0		3.9	836.80	836.70	50		7	1	1	23.0										263	
263	92+80.0		X		15		M.H. I (FW) A (FW)	842.46	177.0		6.0	833.60	831.10	50		7	1	1	72.1										257	
264	92+80.0		X		12		Inlet II (FW) C (FW)	842.34	5.0		3.9	836.80	836.70	50		7	1	1	1.1										263	
265	92+90.0		X		12		Inlet II (FW) C (FW)	842.45	10.0		3.8	836.85	836.80	50		7	1	1	2.1										264	
266	94+50.0		X		12		M.H. I (FW) A (FW)	843.78	167.0		5.6	835.90	835.50	50		7	1	1	60.8										263	
267	94+50.0	X			12		Inlet III (FW) D (FW)	843.66	53.0		3.6	838.40	838.30	50		7	1	1	10.1										266	
268	94+50.0		X		12		Inlet II (FW) C (FW)	843.66	4.0		3.6	838.40	838.30	50		7	1	1	0.8										266	
269	94+60.0	X			12		Inlet III (FW) D (FW)	843.73	7.0		3.5	838.45	838.40	50		7	1	1	1.3										267	
270	94+60.0		X		12		Inlet II (FW) C (FW)	843.73	10.0		3.5	838.45	838.40	50		7	1	1	1.8										268	
300	7+51.4				48		M.H. IV (FW) A (FW)	828.89	178.0		8.8	814.88																		
301	9+34.4				48		M.H. IV (FW) A (FW)	823.86	312.0		3.8	814.33																		
500(EX)	15+23.6		X		12		Existing Manhole in Place	856.83	11.0			854.18	853.18																501(EX)	Existing Structure to Remain, No Change Req'd
501(EX)	15+23.2		X		15		Existing Inlet in Place	856.58	98.0			853.03	852.82																502(EX)	Existing Structure to Remain, No Change Req'd
502(EX)	16+20.9		X		18		Existing Inlet in Place	857.12	401.0			852.77	852.00																512(EX)	Existing Structure to Remain, No Change Req'd
503(EX)	16+21.5		X		12		Existing Manhole in Place	857.24	4.0			853.79	853.57																502(EX)	Adjust Casting to Grade
504(EX)	15+74.7	X			12		Existing Inlet in Place	855.15	13.0			852.80	852.13																	Remove Inlet and Pipe
505(EX)	15+74.6	X			15		Existing Inlet in Place	856.83	25.0			852.03	852.03																	Remove Inlet
506(EX)	17+24.8	X			12		Existing Inlet in Place	858.18	151.0			852.73	852.03																	Remove Inlet and Pipe
507(EX)	17+25.5	X			12		Existing Inlet in Place	857.41	13.0			854.21	853.68																	Remove Inlet and Pipe
508(EX)	19+64.5	X			12		Existing Inlet in Place	859.46	240.0			853.91	852.73																	Remove Inlet and Pipe
509(EX)	19+65.4	X			12		Existing Inlet in Place	862.51	12.0			853.50	854.16																	Remove Inlet and Pipe
510(EX)	20+17.1	X			12		Existing Inlet in Place	856.95	52.0			853.58	853.50																	Remove Inlet and Pipe
511(EX)	20+21.1		X		12		Existing Manhole in Place	859.16	7.0			855.61	855.45																	Remove Inlet and Pipe
512(EX)	20+21.0		X		18		Existing Manhole in Place	860.20	101.0			852.00	851.67																513(EX)	Adjust Casting to Grade
513(EX)	21+21.6		X		18		Existing Manhole in Place	860.47	376.0			851.67	849.97																515(EX)	Adjust Casting to Grade
514(EX)	21+21.1		X		12		Existing Inlet in Place	859.03	8.0			856.13	855.07																	Remove Inlet and Pipe
515(EX)	24+97.2		X		18		Existing Manhole in Place	856.17	291.0			850.02	846.95																17	Casting, "Type A", Furnish and Adjust to Grade
516(EX)	25+06.5		X		12		Existing Inlet in Place	855.57	13.0			853.12	852.92																	Remove Inlet and Pipe
517(EX)	25+09.3		X		8		Existing Inlet in Place	856.08	29.0			852.58	852.58																	Existing Structure to Remain, No Change Req'd
517(EX)	25+09.3		X		10				147.0			852.58	850.50																	
518(EX)	27+87.8		X		18		Existing Manhole in Place	853.50	285.0			846.90	838.36																22	Adjust Casting to Grade
519(EX)	27+87.5		X		12		Existing Inlet in Place	852.49	6.0			848.89	848.60																	Remove Inlet and Pipe
520(EX)	30+72.1		X		18		Existing Manhole in Place	844.61	55.0			836.16	834.68																	Remove Manhole and Pipe
531A(EX)	60+75.6				30"		Existing Headwall	841.75	139.0			836.75	835.90																531(EX)	Remove Headwall and Pipe

A = ABRASIVE
NA = NON-ABRASIVE

NOTE:
Type 1 Structure Backfill quantities calculated in accordance with IDM 17-3.02 Hand-Calc. of Backfill Quantities to the base of Subgrade Treatment

Cover shown is from top of pipe to top of Subgrade Treatment

gai consultants

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: F.M.M.
CHECKED: M.J.S.
DRAWN: R.J.R
CHECKED: M.J.S.

INDIANA
DEPARTMENT OF TRANSPORTATION

STRUCTURE DATA TABLE

HORIZONTAL SCALE	BRIDGE FILE
NONE	
VERTICAL SCALE	DESIGNATION
NONE	0901798
SURVEY BOOK	SHEETS
	128 OF 183
CONTRACT	PROJECT
R-34815	0901798

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION: STATION	LOCATION: LEFT	LOCATION: RIGHT	LOCATION: CROSS	SIZE	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	STR. RIM ELEVATION	LENGTH (ft)	SKEW	COVER (ft)	FLOW LINE: UP STREAM ELEV.	FLOW LINE: DOWN STREAM ELEV.	SERVICE LIFE (YR.)	SITE DESIGNATION	pH	BACKFILL METHOD	BACKFILL TYPE	STRUCTURE BACKFILL (CU. YD.)	RECONSTRUCTED STRUCTURE (FT.)	REVETMENT RIPRAP (TONS)	GEOTEXTILE (SYS.)	PIPE END SECTION (EA.)	GRATED BOX END SECTION: TYPE	GRATED BOX END SECTION: SLOPE	GRATED BOX END SECTION: EA.	SAFETY METAL END SECTION: SLOPE	SAFETY METAL END SECTION: EA.	CONNECT TO STR. NO.	REMARKS
	LINE "PR-A"																													
521(EX)	30+73.5		X		12		Existing Inlet in Place	843.79	7.0			839.09	838.71																	Remove Inlet and Pipe
522(EX)	32+43.3		X		18		Existing Inlet in Place	841.57	18.0			837.32	837.31																	Remove Inlet and Pipe
523(EX)	32+89.1				18		Existing Inlet in Place	841.73	47.0			837.83	837.32																	Remove Inlet and Pipe
524(EX)	32+35.1	X			15		Existing Manhole in Place	842.85	129.0			836.25	835.72																	Existing Structure to Remain, No Change Req'd
525(EX)	32+90.4	X			10		Existing Manhole in Place	843.27	114.0			834.02	833.58																	Adjust Casting to Grade
526(EX)	34+40.5	X			10		Existing Manhole in Place	844.85	151.0			834.60	834.02																525(EX)	Existing Structure to Remain, No Change Req'd
527(EX)	35+31.3	X			10		Existing Manhole in Place	844.38	91.0			834.23	834.60																526(EX)	Existing Structure to Remain, No Change Req'd
528(EX)	36+42.3	X			10		Existing Manhole in Place	843.98	111.0			834.98	834.28																527(EX)	Adjust Casting to Grade
	Line "PRS-5-A"																													
529(EX)	15+67.9				12		Existing Inlet in Place	845.01	19.0			842.66	842.66																	Remove Inlet and Plug Existing Pipe
530(EX)	15+68.4				18		Existing Inlet in Place	845.02	20.0			842.37	842.37																	Remove Inlet and Plug Existing Pipe
531A(EX)	Line "PR-A"				30"		Existing Headwall	841.75	139.0			836.75	835.90																531(EX)	Remove Headwall and Pipe
531(EX)	61+47.8				30		Existing Manhole in Place	847.72	83.0			835.77	835.67																	Remove Manhole and Pipe
532(EX)	63+09.8				10		Existing Manhole in Place	841.00	147.0			839.45	838.97																	Existing Structure to Remain, No Change Req'd
532(EX)	63+09.8				10				86.0			839.45	839.73																	
533(EX)	63+95.1				10		Existing Manhole in Place	841.38	65.0			839.73	840.06																534(EX)	Existing Structure to Remain, No Change Req'd
534(EX)	64+59.8				10		Existing Manhole in Place	841.71	22.0			840.06	840.06																	Existing Structure to Remain, No Change Req'd
535(EX)	70+74.7				10		Existing Inlet in Place	840.27	26.0			837.27	837.27																	Existing Structure to Remain, No Change Req'd
536(EX)	71+07.2				12		Existing Inlet in Place	841.25	203.0			838.25	837.98																	Remove Inlet and Pipe
537(EX)	74+88.0				8		Existing Manhole in Place	836.60	28.0			832.65	832.65																	Adjust Casting to Grade
537(EX)	74+88.0				8				20.0			832.65	832.50																	
538(EX)	75+34.7				10		Existing Manhole in Place	836.03	22.0			831.98	831.98																	Adjust Casting to Grade
539(EX)	76+87.5	X			10		Existing Manhole in Place	833.71	98.0			822.26	822.26																	Existing Structure to Remain, No Change Req'd
539(EX)	76+87.5	X			10				304.0			822.21	821.45																540(EX)	
540(EX)	79+89.8	X			10		Existing Manhole in Place	826.60	207.0			821.40	820.90																545(EX)	Adjust Casting to Grade
541(EX)	79+94.8	X			15		Existing Inlet in Place	824.69	11.0			822.59	822.55																	Remove Inlet and Pipe
542(EX)	80+22.3		X		21		Existing Manhole in Place	819.02	300.0			817.91	816.29																	Remove Inlet and Pipe
543(EX)	80+23.6	X			30		Existing Manhole in Place	822.88	72.0			818.13	817.54																	Remove Inlet and Pipe
544(EX)	80+45.4		X		12		Existing Manhole in Place	822.78	24.0			817.89	817.76																	Remove Inlet and Pipe
544(EX)	80+45.4		X		30				262.0			817.44	816.77																	
545(EX)	81+96.8	X			10		Existing Manhole in Place	828.60	83.0			819.55	819.15																548(EX)	Adjust Casting to Grade
546(EX)	82+03.5	X			15		Existing Manhole in Place	827.58	175.0			824.58	823.58																	Remove Inlet and Pipe
547(EX)	82+70.2	X			15		Existing Inlet in Place	827.82	67.0			824.87	824.58																	Remove Inlet and Pipe
548(EX)	82+79.7	X			10		Existing Manhole in Place	829.10	204.0			819.05	818.38																	Adjust Casting to Grade
549(EX)	83+16.2	X			15		Existing Inlet in Place	827.72	47.0			825.62	824.87																	Remove Inlet and Pipe
550(EX)	84+83.9	X			12		Existing Manhole in Place	829.88	276.0			817.88	813.50																	Adjust Casting to Grade
					10				28.0			818.38	818.38																	
550A(EX)	84+84.0	X																											548(EX)	Adjust Casting to Grade
551(EX)	87+05.5		X		27		Existing Manhole in Place	828.19	204.0			820.29	818.51																	Remove Inlet and Pipe
552(EX)	87+05.6		X		27		Existing Manhole in Place	831.71	15.0			821.81	821.19																	Remove Manhole and Pipe
553(EX)	87+21.0	X			24		Existing Inlet in Place	829.62	84.0			822.17	821.66																239	Casting, "Type 4", Furnish and Adjust to Grade

A = ABRASIVE
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NOTE:
Type 1 Structure Backfill quantities calculated in accordance with IDM 17-3.02 Hand-Calc. of Backfill Quantities to the base of Subgrade Treatment

Cover shown is from top of pipe to top of Subgrade Treatment

gai consultants

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: F.M.M.
CHECKED: M.J.S.
DRAWN: R.J.R
CHECKED: M.J.S.

INDIANA
DEPARTMENT OF TRANSPORTATION

STRUCTURE DATA TABLE

HORIZONTAL SCALE	BRIDGE FILE
NONE	
VERTICAL SCALE	DESIGNATION
NONE	0901798
SURVEY BOOK	SHEETS
	129 OF 183
CONTRACT	PROJECT
R-34815	0901798

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION STATION	LEFT	RIGHT	CROSS	SIZE	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	STR. RIM ELEVATION	LENGTH	SKEW	COVER	FLOW LINE UP STREAM	FLOW LINE DOWN STREAM	SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	BACKFILL TYPE	STRUCTURE BACKFILL	RECONSTRUCTED STRUCTURE	REVETMENT RIPRAP	GEOTEXTILE	PIPE END SECTION	GRATED BOX END SECTION			SAFETY METAL END SECTION		CONNECT TO STR. NO.	REMARKS
									ft		ft	ELEV.	ELEV.	YR.					CU. YD.	FT.	TONS	SYS.	EA.	TYPE	SLOPE	EA.	SLOPE	EA.		
	LINE "A"																													
554(EX)	87+34.0				24		Existing Manhole in Place	833.61	20.0			822.71	822.32																553(EX)	Existing Structure to Remain, No Change Req'd
555(EX)	87+48.5				12		Existing Manhole in Place	832.27	265.0			820.92	819.88																550(EX)	Adjust Casting to Grade
556(EX)	88+35.6				18		Existing Manhole in Place	832.50	62.0			823.70	823.70																ENull48	Adjust Casting to Grade
557(EX)	88+40.8				12		Existing Manhole in Place	832.18	17.0			823.88	823.75																556(EX)	Adjust Casting to Grade
558(EX)	91+14.9				12		Existing Manhole in Place	838.71	367.0			822.10	820.92																555(EX)	Adjust Casting to Grade
559(EX)	91+17.6				15		Existing Inlet in Place	836.52	30.0			831.32	831.32																ENull49	Remove Inlet and Pipe
560(EX)	91+40.6				12		Existing Manhole in Place	840.25	76.0			824.25	824.45																558(EX)	Existing Structure to Remain, No Change Req'd
561(EX)	93+72.2				12		Existing Manhole in Place	843.15	532.0			832.90	823.83																557(EX)	Adjust Casting to Grade
562(EX)	94+05.1				12		Existing Inlet in Place	842.77	13.0			838.52	837.52																ENull56	Adjust Casting to Grade
563(EX)	94+50.0				18		Existing Manhole in Place	838.79	62.0			826.09	826.09																ENull57	Existing Structure to Remain, No Change Req'd
					24				403.0			825.99	824.72																(5580)(EX)	
564(EX)	94+78.0				8		Existing Manhole in Place	839.54	226.0			832.84	831.65																(614)(EX)	Existing Structure to Remain, No Change Req'd
565(EX)	94+51.1				12		Existing Manhole in Place	842.64	311.0			826.54	824.25																560(EX)	Adjust Casting to Grade
566(EX)	95+08.8				12		Existing Manhole in Place	843.88	137.0			833.63	833.10																561(EX)	Adjust Casting to Grade
567(EX)	95+80.6				12		Existing Manhole in Place	844.00	72.0			833.80	833.53																566(EX)	Adjust Casting to Grade
568(EX)	97+01.4				12		Existing Inlet in Place	839.20	23.0			835.70	835.24																569(EX)	Adjust Casting to Grade
569(EX)	96+88.6				12		Existing Manhole in Place	843.24	109.0			834.09	833.90																567(EX)	Adjust Casting to Grade
570(EX)	97+60.2				12		Existing Manhole in Place	842.10	310.0			828.25	826.54																565(EX)	Adjust Casting to Grade
571(EX)	98+38.5				12		Existing Manhole in Place	841.19	42.0			834.49	834.49																ENull55	Adjust Casting to Grade
					12				150.0			834.49	834.14																569(EX)	
572(EX)	100+07.7				15		Existing Inlet in Place	840.67	8.0			837.21	837.14																573(EX)	Existing Structure to Remain, No Change Req'd
573(EX)	100+08.3				18		Existing Manhole in Place	839.22	134.0			837.14	836.90																576(EX)	Casting, "Type A", Furnish and Adjust to Grade
574(EX)	100+09.6				15		Existing Inlet in Place	840.89	66.0			837.79	837.36																572(EX)	Existing Structure to Remain, No Change Req'd
575(EX)	101+42.0				15		Existing Inlet in Place	841.26	86.0			837.41	837.05																576(EX)	Existing Structure to Remain, No Change Req'd
576(EX)	101+45.1				18		Existing Manhole in Place	841.75	158.0			836.90	836.65																579(EX)	Casting, "Type A", Furnish and Adjust to Grade
577(EX)	102+98.5				6		Existing Inlet in Place	842.10	154.0			840.00	838.16																575(EX)	Existing Structure to Remain, No Change Req'd
					6				28.0			839.75	839.75																ENull52	
					15				78.0			839.25	837.56																578(EX)	
578(EX)	102+99.2				15		Existing Inlet in Place	842.41	9.0			837.51	837.35																579(EX)	Existing Structure to Remain, No Change Req'd
579(EX)	102+99.5				18		Existing Manhole in Place	842.95	201.0			836.65	836.14																580(EX)	Casting, "Type A", Furnish and Adjust to Grade
580(EX)	104+99.7				18		Existing Inlet in Place	843.29	43.0			836.04	836.04																ENull50	Existing Structure to Remain, No Change Req'd
					18				82.0			835.49	835.49																ENull51	
581(EX)	12+00.3				12		Existing Manhole in Place	847.34	10.0			844.29	844.19																ENull97	Existing Structure to Remain, No Change Req'd
582(EX)	12+00.9				12		Existing Manhole in Place	847.31	25.0			844.66	844.39																581(EX)	Existing Structure to Remain, No Change Req'd
583(EX)	7+51.4				27		Existing Manhole in Place	823.86	315.0			818.41	815.78																ENull	Remove Manhole and Pipe

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NOTE:
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Cover shown is from top of pipe to top of Subgrade Treatment

gai consultants

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DESIGN ENGINEER DATE

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DEPARTMENT OF TRANSPORTATION

DESIGNED: F.M.M.
CHECKED: M.J.S.
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VERTICAL SCALE	DESIGNATION
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