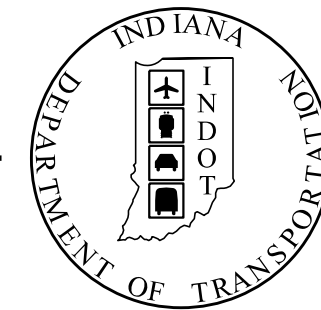


PROJECT	DESIGNATION
1900107	1900107
CONTRACT	
R-42358	

# INDIANA DEPARTMENT OF TRANSPORTATION



## ROAD PLANS

### SR 930 INTERSECTION IMPROVEMENTS

Route: SR 930 & MAPLECREST BETWEEN RP: 148+058 & 149+008

PROJECT NO. 1900107

(X) P.E.

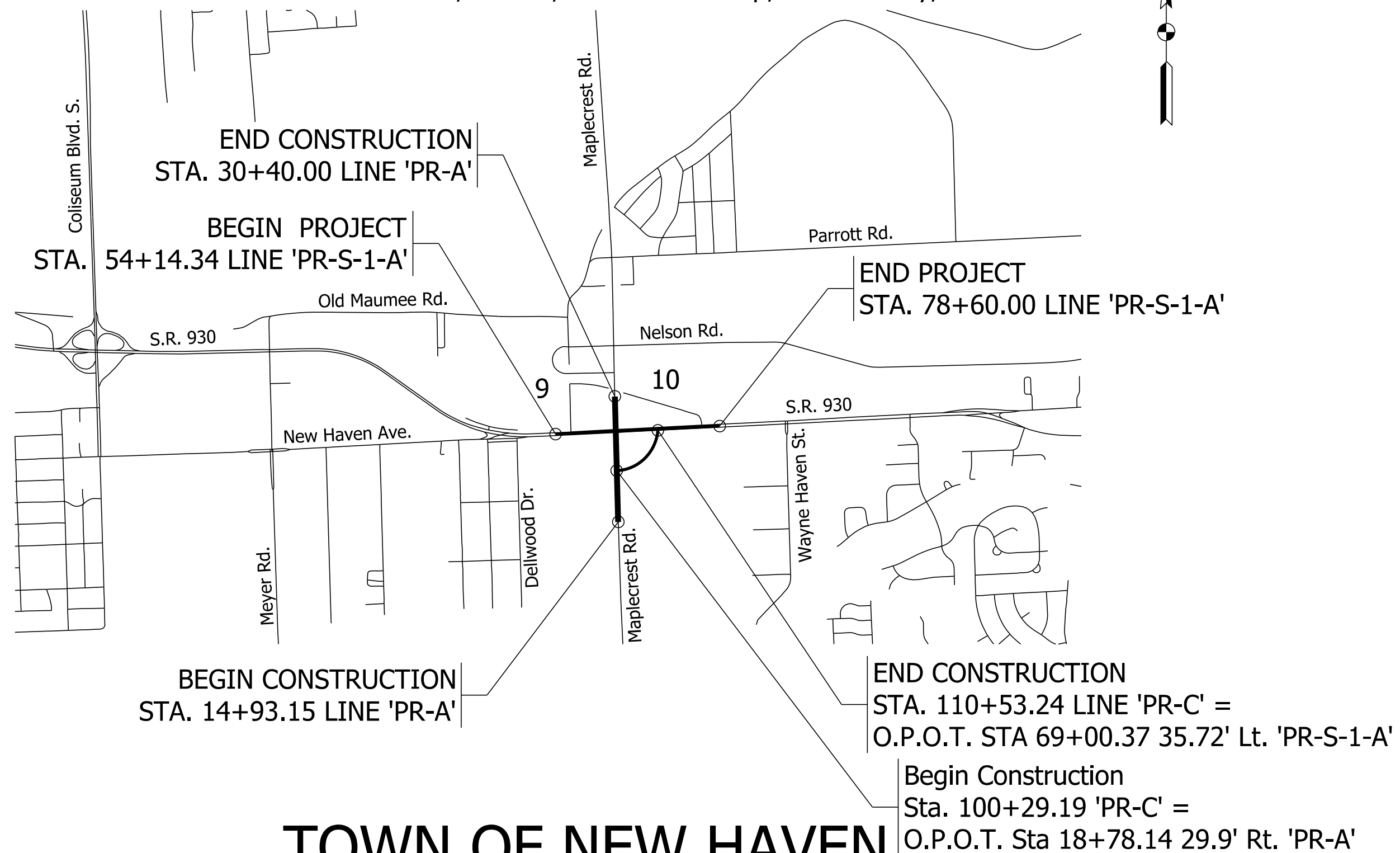
ADDITIONAL RIGHT-OF-WAY  
REQUIRED FOR THIS PROJECT

1900107

(X) R/W

(X) CONST.

Overlay and Intersection Improvement On SR 930 from Approx. 1200 Feet West of Junction of Maplecrest Rd to Approx. 1600 Feet East of the Junction of Maplecrest Rd AND On Maplecrest Rd from Approx. 1400 Feet South of the Junction of SR 930 to Approx. 500 Feet North of the Junction of SR 930 Section 9 & 10 T-30-N, R-13-E, Adams Township, Allen County, Indiana



### TOWN OF NEW HAVEN

SCALE: 1"=2,000'

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE SCALES BELOW MAY BE USED.

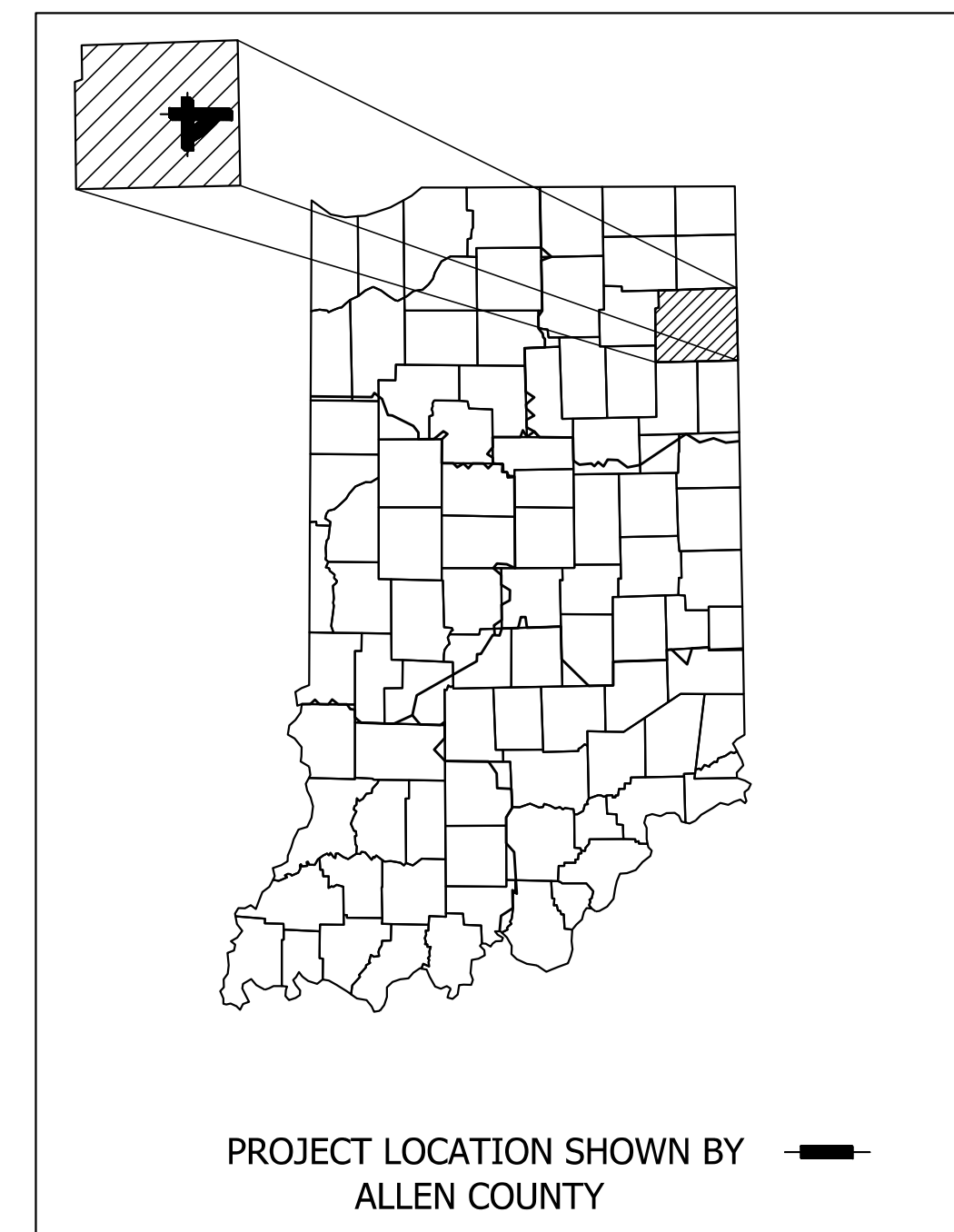
SCALES:

PLAN		SCALE: 1" = 20'
PROFILE HORIZ.		SCALE: 1" = 20'
PROFILE VERT.		SCALE: 1" = 5'
LAYOUT		SCALE: 1" = 50'

TRAFFIC DATA		
	SR 930	Maplecrest Rd
A.A.D.T. (2021)	26,100 V.P.D.	20,250 V.P.D.
A.A.D.T. (2024 PROJECTED)	27,051 V.P.D.	21,807 V.P.D.
A.A.D.T. (2044 PROJECTED)	35,007 V.P.D.	29,371 V.P.D.
D.H.V (2044 PROJECTED)	3,501 V.P.H.	2,937 V.P.H.
DIRECTIONAL DISTRIBUTION	60 %	52 %
TRUCKS	7% A.A.D.T. 7% D.H.V.	6% A.A.D.T. 6% D.H.V.

DESIGN DATA		
	SR 930	Maplecrest Rd
DESIGN SPEED	45 M.P.H.	40 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)	
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL	MINOR ARTERIAL
RURAL/URBAN	URBAN (INTERMEDIATE)	URBAN (INTERMEDIATE)
TERRAIN	LEVEL	LEVEL
ACCESS CONTROL	NONE	NONE

DESIGN DATA	
	QUADRANT ROADWAY
DESIGN SPEED	30 M.P.H.
PROJECT DESIGN CRITERIA	NEW CONSTRUCTION (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	LOCAL AGENCY COLLECTOR
RURAL/URBAN	URBAN (INTERMEDIATE)
TERRAIN	LEVEL
ACCESS CONTROL	NONE



HYDROLOGIC UNIT CODE: 04100005010010  
04100005010030

LATITUDE: 41°04'10" N LONGITUDE: 85°03'41" W

ROADWAY LENGTH: 0.463 MI.  
TOTAL LENGTH: 0.463 MI.  
MAX. GRADE: 2.00% (Prop.) 5.00% (Exist.)

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CERTIFIED BY:	XX
REGISTERED PROFESSIONAL ENGINEER	DATE
STATE OF INDIANA NO.	
COVERING OVERALL DESIGN & CIVIL DESIGN	
CERTIFIED BY:	XX
REGISTERED PROFESSIONAL ENGINEER	DATE
STATE OF INDIANA NO.	
COVERING WATER & SANITARY DESIGN	
CERTIFIED BY:	XX
REGISTERED PROFESSIONAL ENGINEER	DATE
STATE OF INDIANA NO.	
COVERING LIGHTING DESIGN	

DLZ INDIANA, LLC	DLZ INDIANA, LLC	DLZ INDIANA, LLC
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PLANS PREPARED BY:  
**DLZ INDIANA, LLC**  
825 South Barr Street  
Fort Wayne, Indiana 46802  
(260) 420-3114

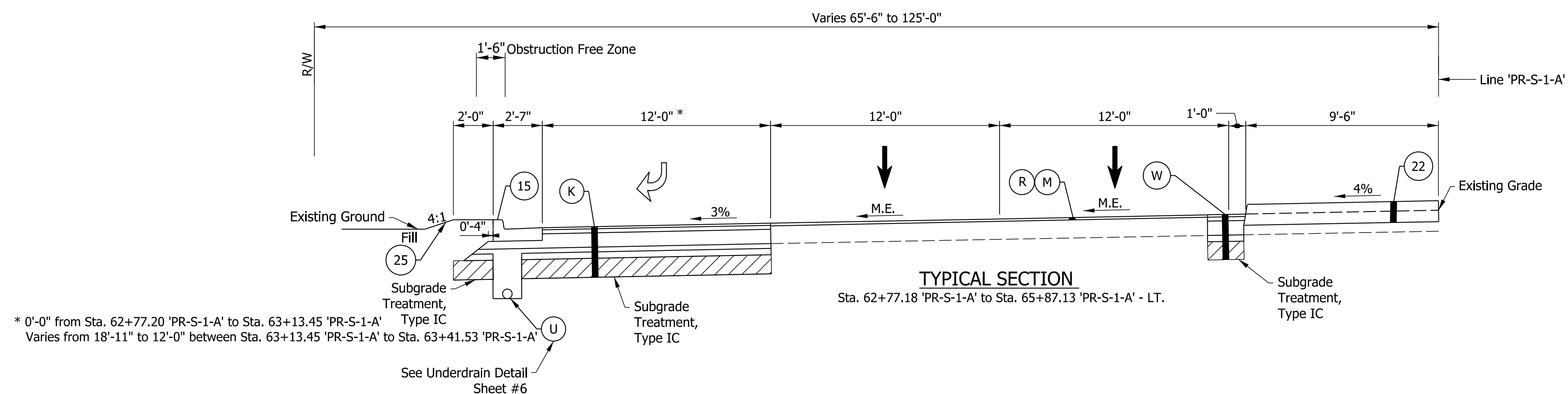
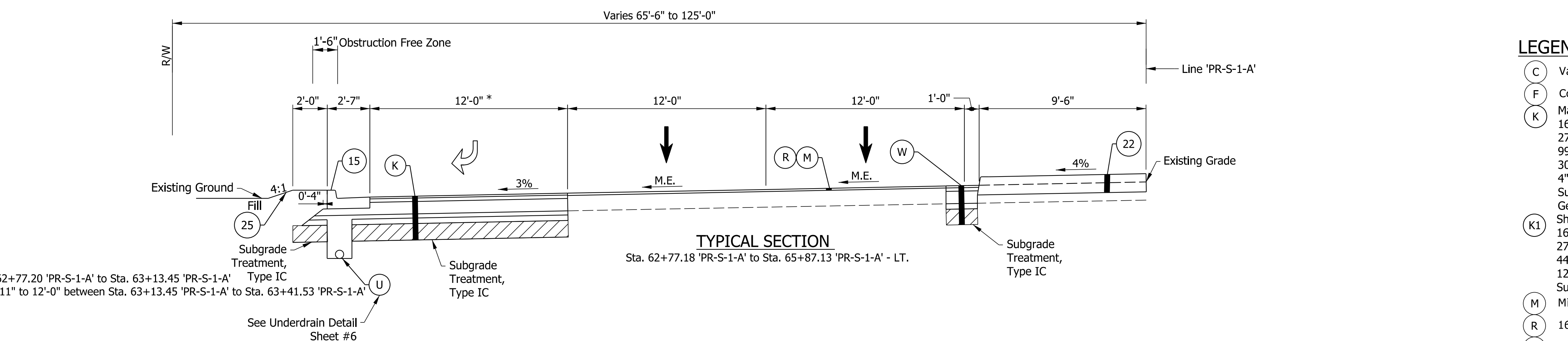
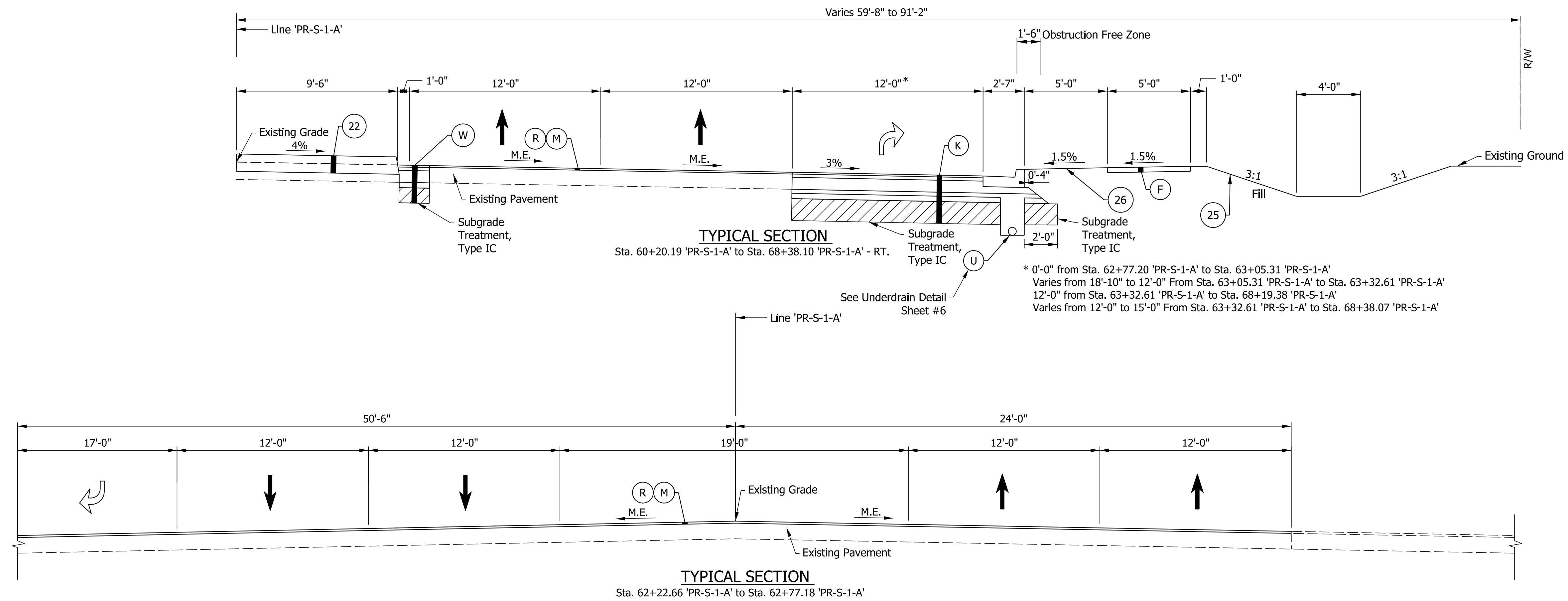
APPROVED FOR LETTING: \_\_\_\_\_ DATE \_\_\_\_\_  
INDIANA DEPARTMENT OF TRANSPORTATION

INDIANA DEPARTMENT OF TRANSPORTATION  
STANDARD SPECIFICATIONS, DATED 2022,  
AND CURRENT SUPPLEMENTS THERE TO,  
TO BE USED WITH THESE PLANS.

BRIDGE FILE	
DESIGNATION	
1900107	
SURVEY BOOK	SHEETS
ELECTRONIC	1 of 106
CONTRACT	PROJECT
R-42358	1900107







- LEGEND:**
- (C) Variable-Depth Compacted Aggregate, No. 53 for Shoulder
  - (F) Concrete Sidewalk, 4"
  - (K) Mainline Pavement Section  
165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm on  
275 lb/syd QC/QA-HMA, 3, 70, Intermediate, 19.0 mm on  
990 lb/syd QC/QA-HMA, 3, 64, Base, 25.0 mm on  
300 lb/syd QC/QA-HMA, 4, 76, Intermediate, OG, 19.0 mm on  
4" Compacted Aggregate, No. 53, on  
Subgrade Treatment, Type IC, on  
Geotextile For Pavement, Type 2A
  - (K1) Shoulder Pavement Section  
165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm on  
275 lb/syd QC/QA-HMA, 3, 70, Intermediate, 19.0 mm on  
440 lb/syd QC/QA-HMA, 3, 64, Base, 25.0 mm on  
12" Compacted Aggregate, No. 53, on  
Subgrade Treatment, Type IC
  - (M) Milling, Asphalt, 1 1/2 IN.
  - (R) 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5mm
  - (U) 6" Underdrain, See Sheet #6
  - (W) Widening with HMA, Type C Consisting of:  
165 lb/syd HMA Surface, Type C, on  
275 lb/syd HMA Intermediate, Type C, on  
990 lb/syd HMA Base, Type C, on  
4" Compacted Aggregate, No. 53, on  
Subgrade Treatment, Type IC
  - (14) Curb, Integral Concrete
  - (15) Curb and Gutter, Concrete
  - (22) Center Curb, D Concrete
  - (25) Seed Mixture, U
  - (26) Sodding
  - (Hatched) Subgrade Treatment, Type as Indicated

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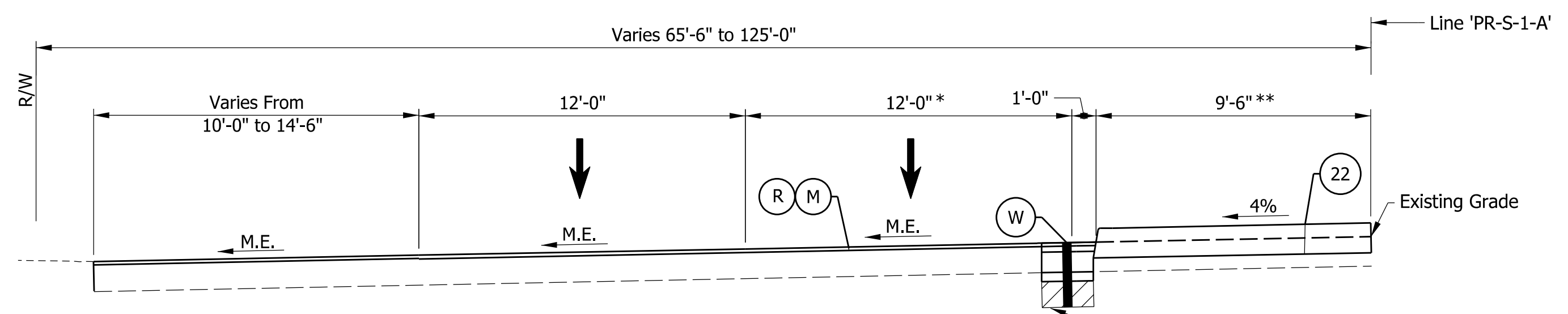
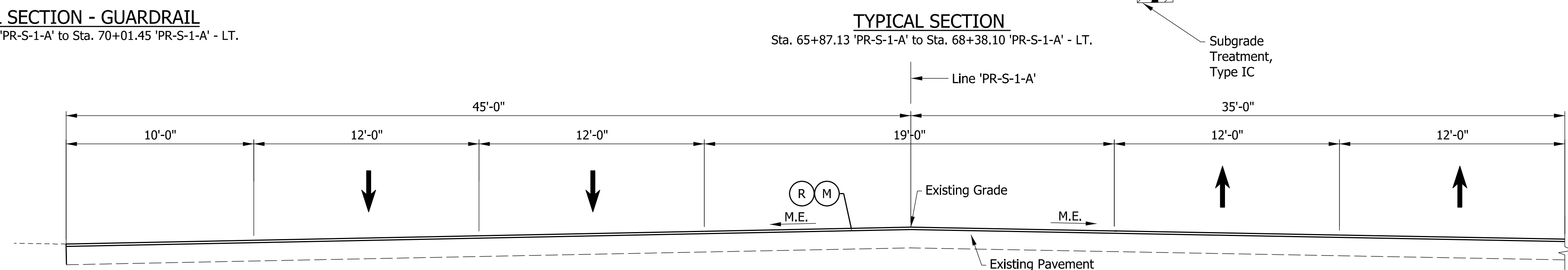
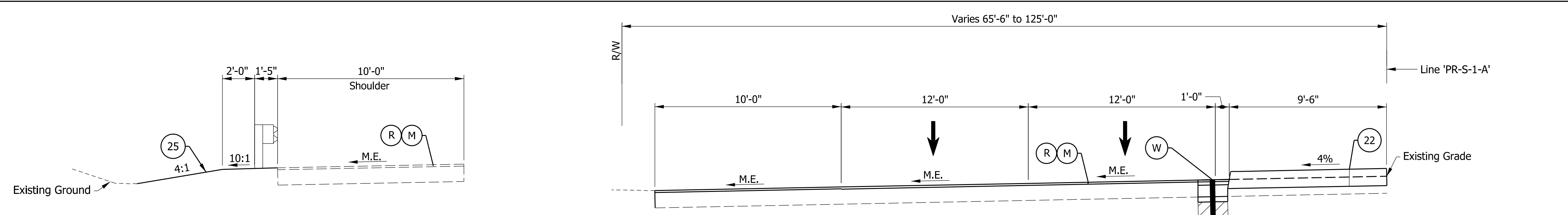
NOT FOR CONSTRUCTION  
DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

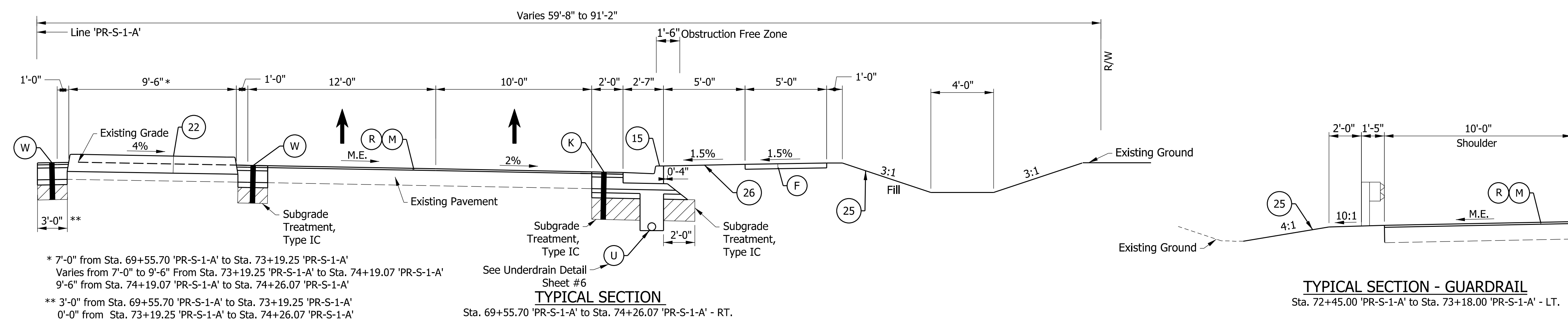
INDIANA  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION  
SR 930

SCALE 1/4" = 1'-0"	ROAD FILE
	DESIGNATION 1900107
SURVEY BOOK	SHEETS
ELECTRONIC	4 of 106
CONTRACT R-42358	PROJECT 1900107



\* 12'-0" from Sta. 69+55.70 'PR-S-1-A' to Sta. 73+19.25 'PR-S-1-A'  
 \* 12'-0" from Sta. 73+19.25 'PR-S-1-A' to Sta. 74+19.07 'PR-S-1-A'  
 \* 0'-0" from Sta. 74+19.07 'PR-S-1-A' to Sta. 74+26.07 'PR-S-1-A'  
 \*\* 0'-0" from Sta. 69+55.70 'PR-S-1-A' to Sta. 73+19.25 'PR-S-1-A'  
 \*\* 0'-0" to 9'-6" from Sta. 73+19.25 'PR-S-1-A' to Sta. 74+26.07 'PR-S-1-A'



- LEGEND:**
- (F) Concrete Sidewalk, 4"
  - (M) Milling, Asphalt, 1 1/2 IN.
  - (R) 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5mm
  - (U) 6" Underdrain, See Sheet #6
  - (W) Widening with HMA, Type C Consisting of:  
 165 lb/syd HMA Surface, Type C, on  
 275 lb/syd HMA Intermediate, Type C, on  
 990 lb/syd HMA Base, Type C, on  
 4" Compacted Aggregate, No. 53, on  
 Subgrade Treatment, Type IC
  - (14) Curb, Integral Concrete
  - (15) Curb and Gutter, Concrete
  - (22) Center Curb, D Concrete
  - (25) Seed Mixture, U
  - (26) Sodding
  - (Hatched) Subgrade Treatment, Type as Indicated

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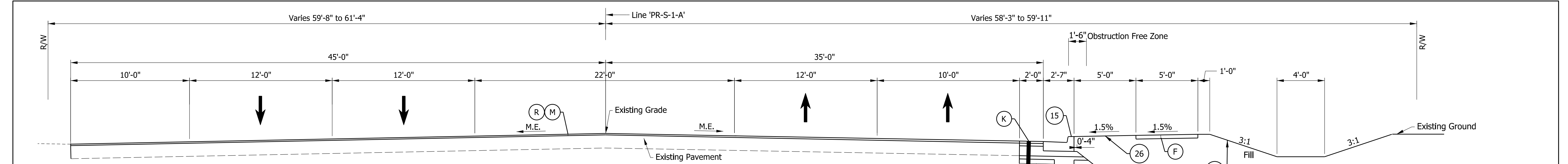


NOT FOR CONSTRUCTION  
DLZ INDIANA, LLC

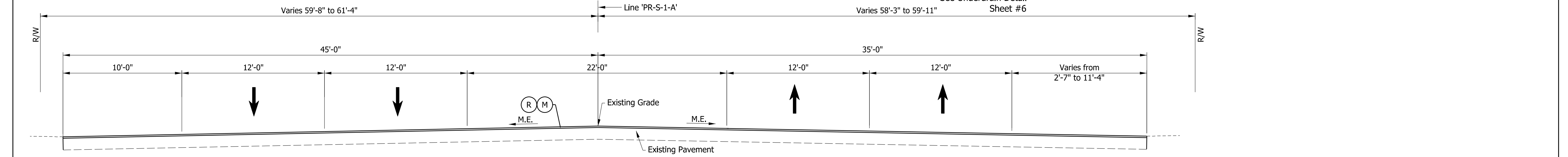
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DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

INDIANA DEPARTMENT OF TRANSPORTATION  
TYPICAL SECTION SR 930

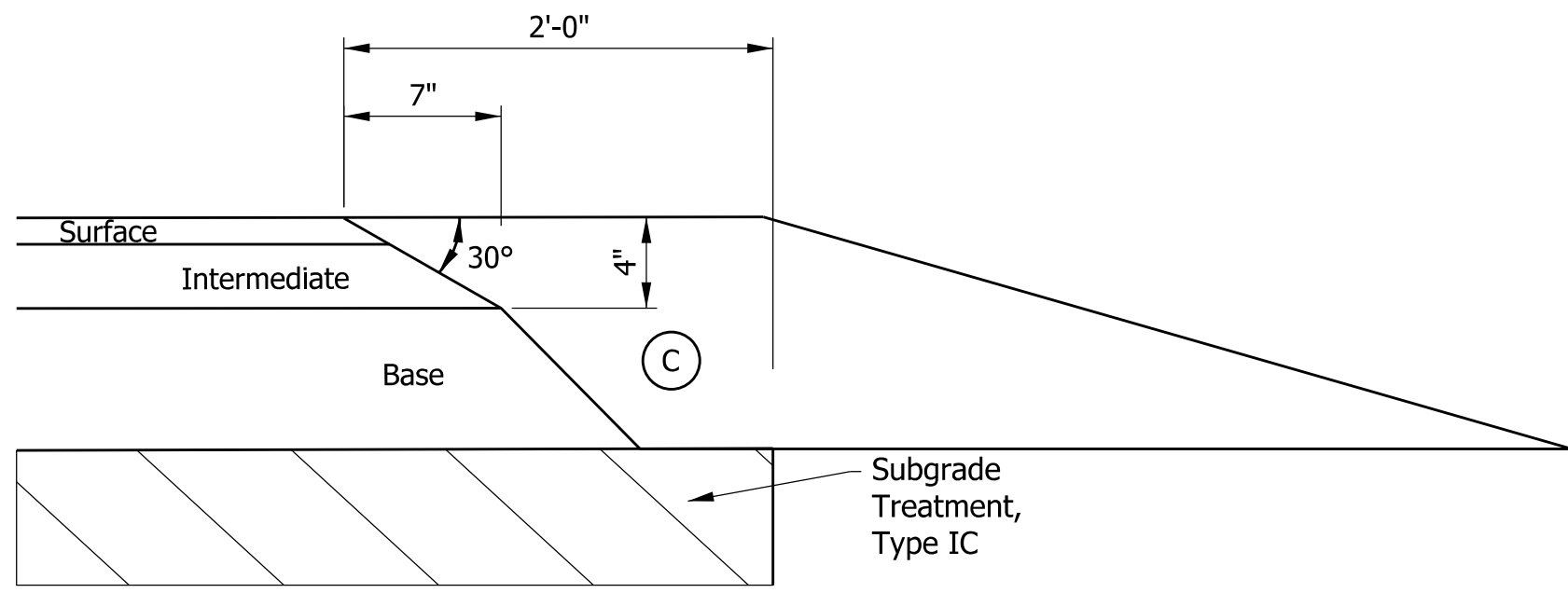
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	DESIGNATION 1900107
SURVEY BOOK ELECTRONIC	SHEETS 5 of 106
CONTRACT R-42358	PROJECT 1900107



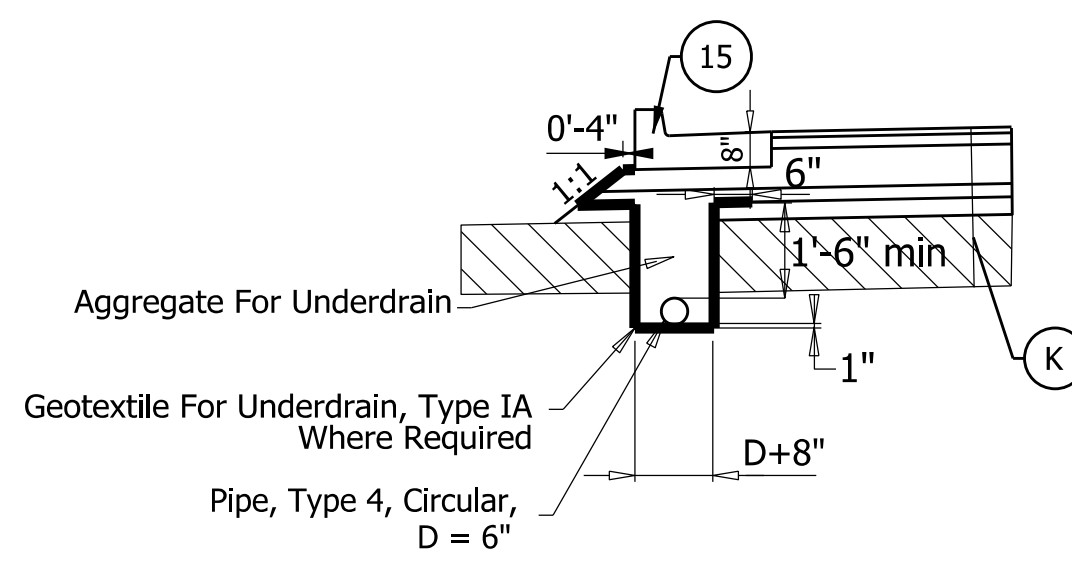
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Sta. 74+26.07 'PR-S-1-A' to Sta. 78+21.10 'PR-S-1-A'



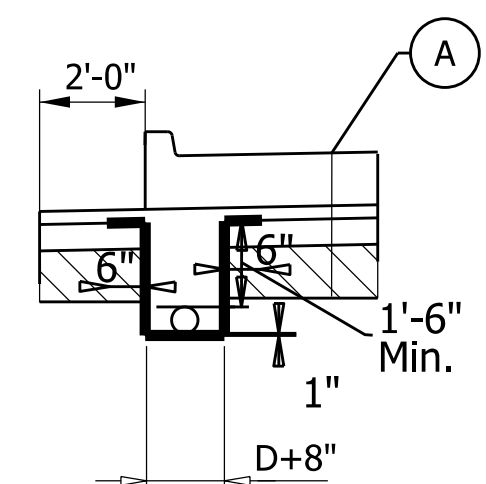
**TYPICAL SECTION**  
Sta. 74+26.07 'A' to Sta. 78+60.00 'PR-S-1-A'



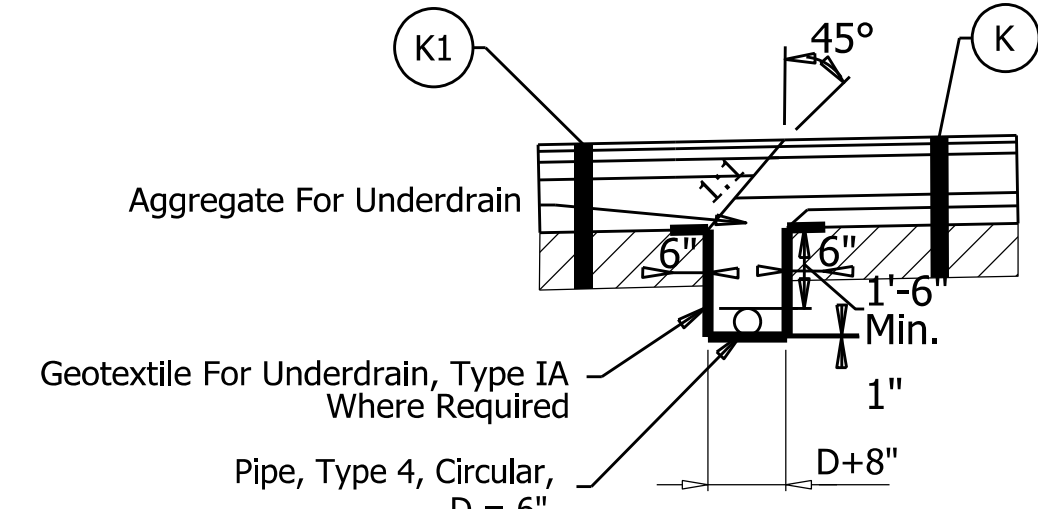
**SAFETY EDGE ON HMA PAVEMENT**  
Scale: NTS



**UNDERDRAIN DETAIL FOR HMA CURB SECTION**  
Not to Scale



**UNDERDRAIN DETAIL FOR PCCP CURB SECTION**  
Not to Scale



**UNDERDRAIN DETAIL SHOULDER SECTION**  
Not to Scale

- LEGEND:**
- (C) Variable-Depth Compacted Aggregate, No. 53 for Shoulder
  - (F) Concrete Sidewalk, 4"
  - (K) Mainline Pavement Section  
165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm on  
275 lb/syd QC/QA-HMA, 3, 70, Intermediate, 19.0 mm on  
990 lb/syd QC/QA-HMA, 3, 64, Base, 25.0 mm on  
4" Compacted Aggregate, No. 53, on  
Subgrade Treatment, Type IC, on  
Geotextile For Pavement, Type 2A
  - (K1) Shoulder Pavement Section  
165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm on  
275 lb/syd QC/QA-HMA, 3, 70, Intermediate, 19.0 mm on  
440 lb/syd QC/QA-HMA, 3, 64, Base, 25.0 mm on  
12" Compacted Aggregate, No. 53, on  
Subgrade Treatment, Type IC
  - (M) Milling, Asphalt, 1 1/2 IN.
  - (R) 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5mm
  - (U) 6" Underdrain, See Detail This Sheet
  - (W) Widening with HMA, Type C Consisting of:  
165 lb/syd HMA Surface, Type C, on  
275 lb/syd HMA Intermediate, Type C, on  
990 lb/syd HMA Base, Type C, on  
4" Compacted Aggregate, No. 53, on  
Subgrade Treatment, Type IC
  - (15) Curb and Gutter, Concrete
  - (25) Seed Mixture, U
  - (26) Sodding
  - (Hatched) Subgrade Treatment, Type as Indicated

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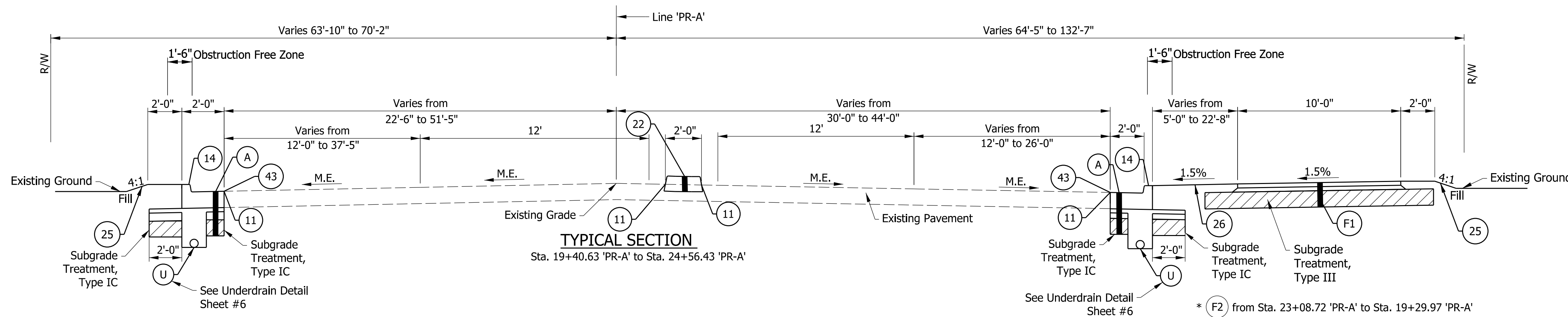
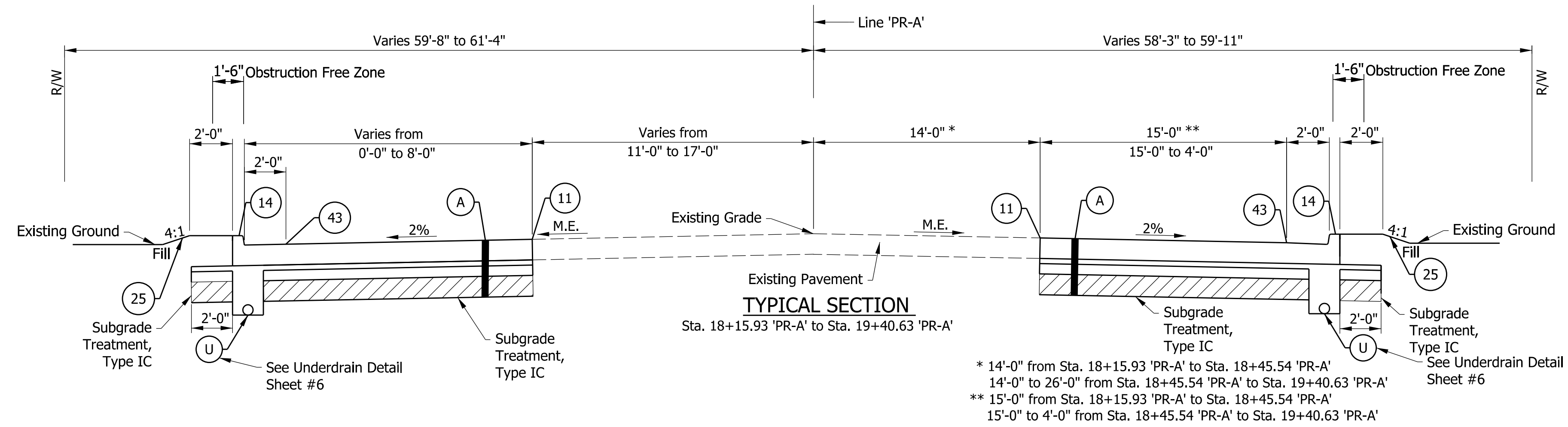
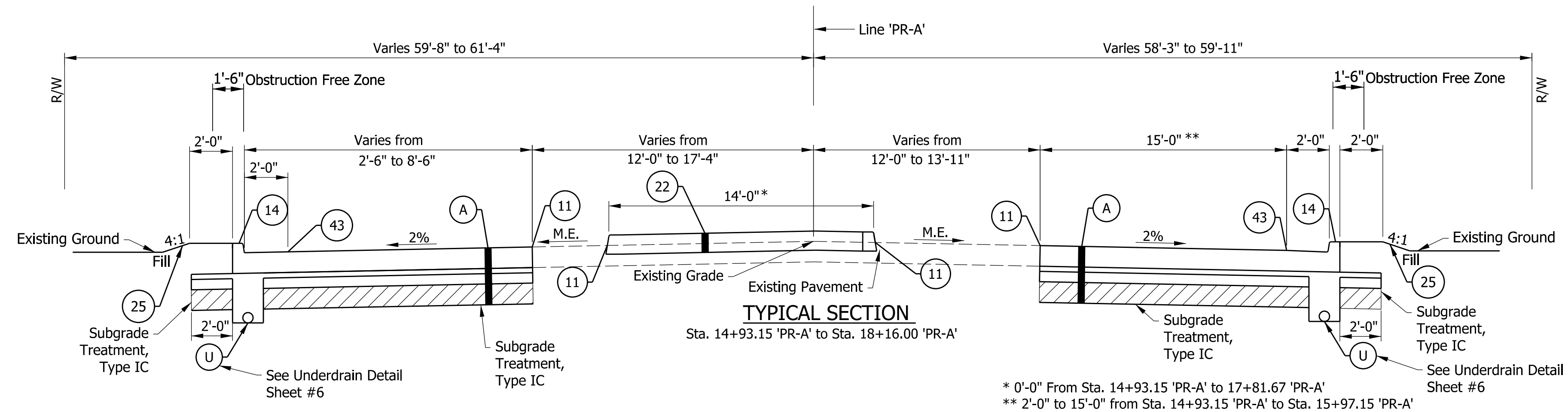
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DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

INDIANA DEPARTMENT OF TRANSPORTATION  
**TYPICAL SECTION SR 930**

SCALE 1/4" = 1'-0"	ROAD FILE
	DESIGNATION 1900107
SURVEY BOOK ELECTRONIC	SHEETS 6 of 106
CONTRACT R-42358	PROJECT 1900107

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**LEGEND:**

- (A) 12" QC/QA-PCCP (with 18' D-1 Contraction Joint Spacing and 1.5"-diameter dowels) on Subbase for PCCP, on Subgrade Treatment, Type IC
- (F1) PCCP, 4", on 4" Compacted Aggregate No. 53, on Subgrade Treatment, Type III
- (F2) PCCP, 6", on 4" Compacted Aggregate No. 53, on Subgrade Treatment, Type III
- (U) 6" Underdrain, See Sheet #6
- (11) Sawcut
- (14) Curb, Integral Concrete
- (22) Center Curb, D Concrete
- (25) Seed Mixture, U
- (26) Sodding
- (43) Line, Multi-Component, Solid, White, 6"
- [Hatched Box] Subgrade Treatment, Type as Indicated



**NOT FOR CONSTRUCTION**  
DLZ INDIANA, LLC

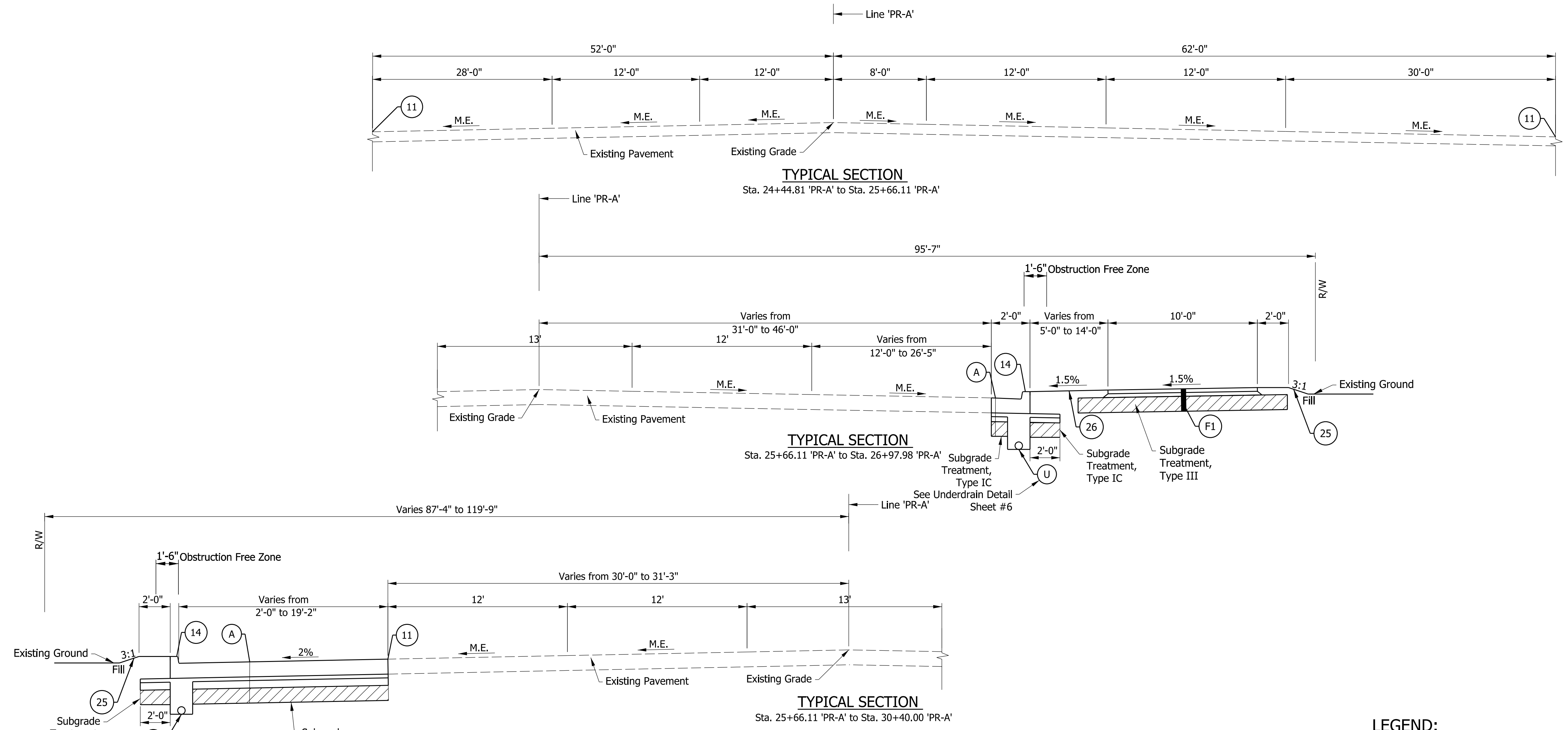
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

INDIANA DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION  
MAPLECREST RD

SCALE 1/4" = 1'-0"	ROAD FILE
	DESIGNATION 1900107
SURVEY BOOK ELECTRONIC	SHEETS 7 of 106
CONTRACT R-42358	PROJECT 1900107

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- LEGEND:**
- (A) 12" QC/QA-PCCP (with 18" D-1 Contraction Joint Spacing and 1.5"-diameter dowels) on Subbase for PCCP, on Subgrade Treatment, Type IC
  - (F1) PCCP, 4", on 4" Compacted Aggregate No. 53, on Subgrade Treatment, Type III
  - (U) 6" Underdrain, See Sheet #6
  - (11) Sawcut
  - (14) Curb, Integral Concrete
  - (25) Seed Mixture, U
  - (26) Sodding
  - Subgrade Treatment, Type as Indicated



**NOT FOR CONSTRUCTION**  
DLZ INDIANA, LLC

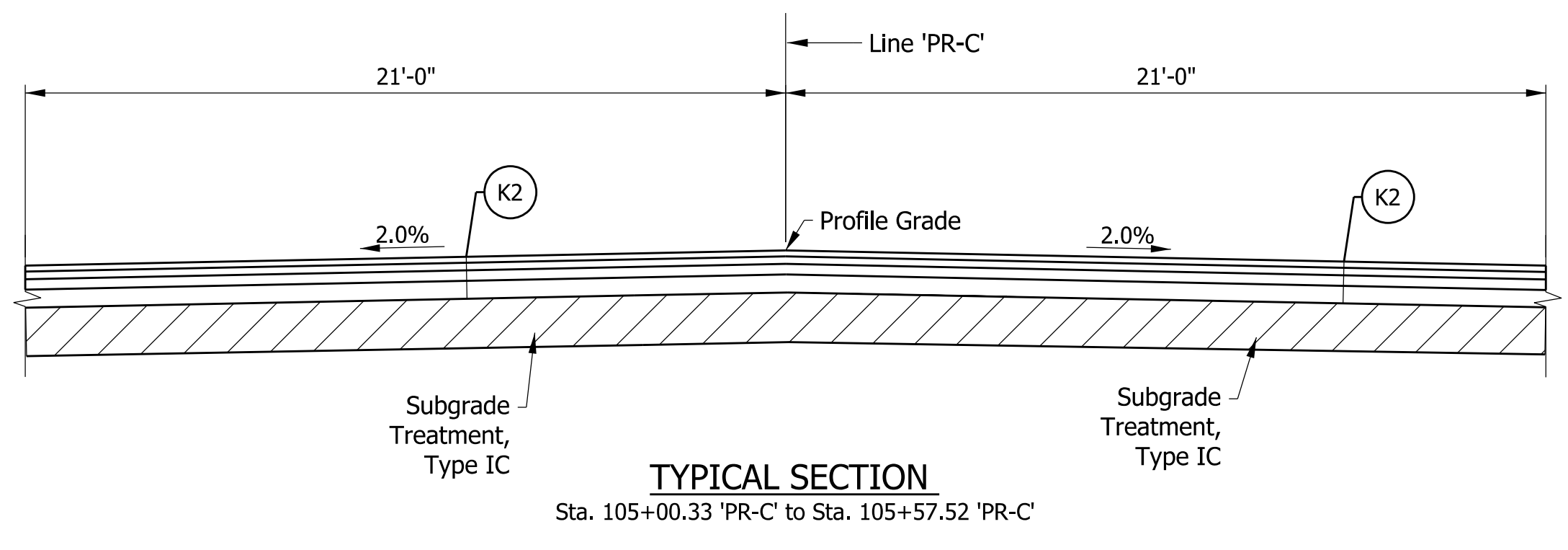
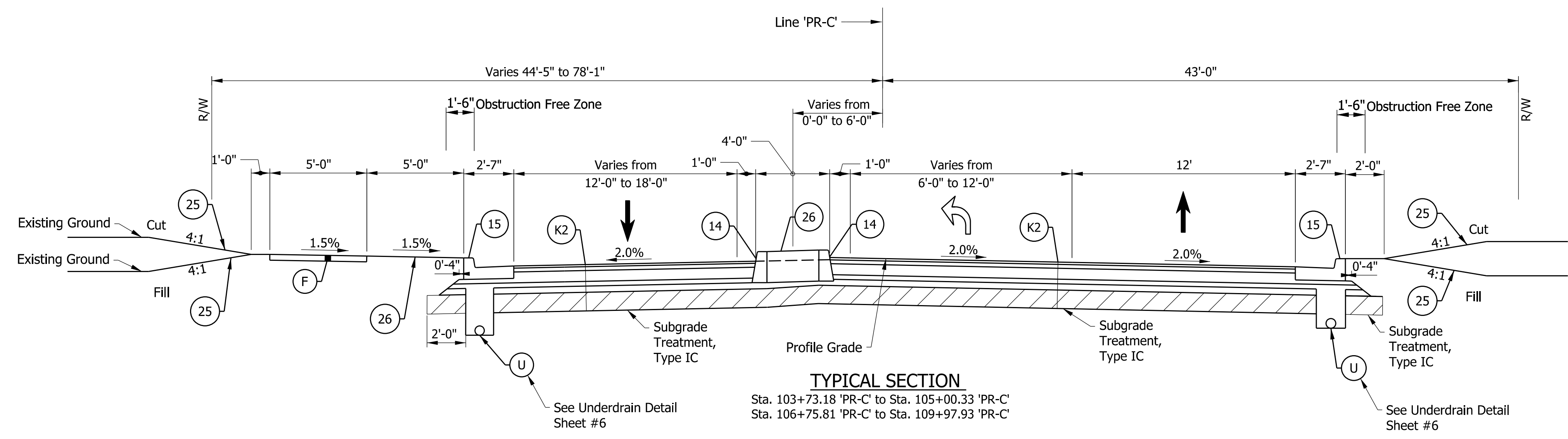
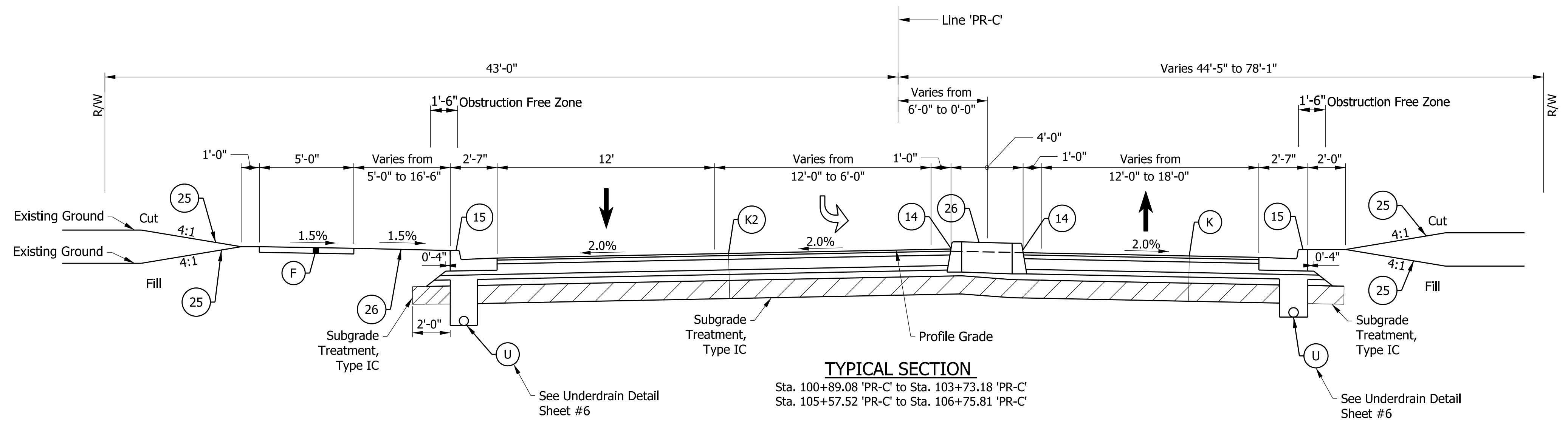
RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____	DATE _____
DESIGNED: JWH	DRAWN: DPH		
CHECKED: FS	CHECKED: JWH		

**INDIANA DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTION MAPLECREST RD**

SCALE 1/4" = 1'-0"	ROAD FILE -
	DESIGNATION 1900107
SURVEY BOOK ELECTRONIC	SHEETS 8 of 106
CONTRACT R-42358	PROJECT 1900107





- LEGEND:**
- (F) Concrete Sidewalk, 4"
  - (K2) Mainline Pavement Section  
 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm on  
 275 lb/syd QC/QA-HMA, 3, 70, Intermediate, 19.0 mm on  
 770 lb/syd QC/QA-HMA, 3, 64, Base, 25.0 mm on  
 300 lb/syd QC/QA-HMA, 4, 76, Intermediate, OG, 19.0 mm on  
 4" Compacted Aggregate, No. 53, on  
 Subgrade Treatment, Type IC, on  
 Geotextile For Pavement, Type 2A
  - (U) 6" Underdrain, See Sheet #6
  - (15) Curb and Gutter, Concrete
  - (16) Curb, Concrete
  - (25) Seed Mixture, U
  - (26) Sodding
  - [Hatched Box] Subgrade Treatment, Type as Indicated

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NOT FOR CONSTRUCTION  
DLZ INDIANA, LLC

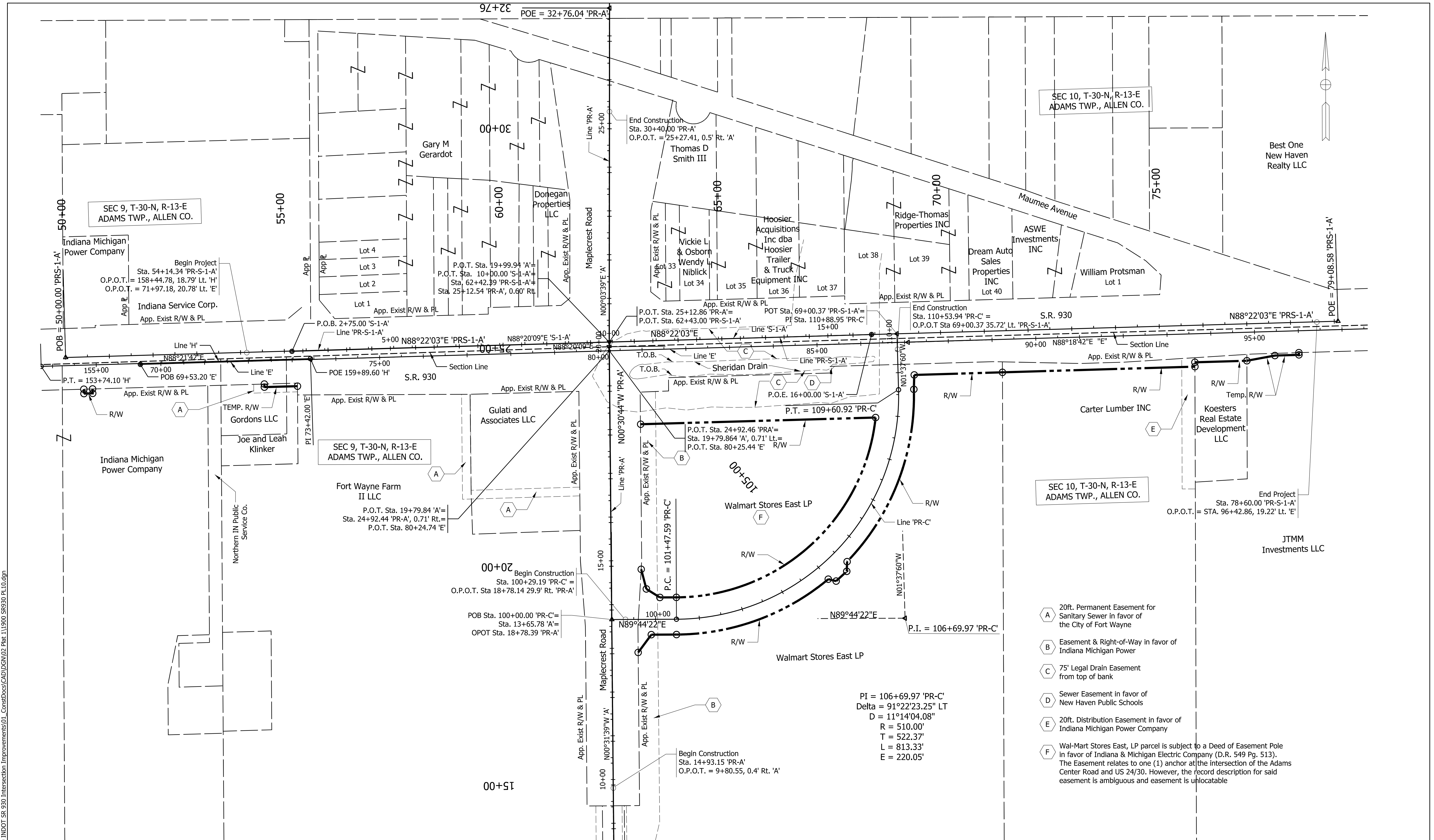
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

INDIANA DEPARTMENT OF TRANSPORTATION

**TYPICAL SECTION**  
 MAPLECREST RD & QUADRANT ROADWAY

SCALE 1/4" = 1'-0"	ROAD FILE
	DESIGNATION 1900107
SURVEY BOOK ELECTRONIC	SHEETS 9 of 106
CONTRACT R-42358	PROJECT 1900107

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- A 20ft. Permanent Easement for Sanitary Sewer in favor of the City of Fort Wayne
- B Easement & Right-of-Way in favor of Indiana Michigan Power
- C 75' Legal Drain Easement from top of bank
- D Sewer Easement in favor of New Haven Public Schools
- E 20ft. Distribution Easement in favor of Indiana Michigan Power Company
- F Wal-Mart Stores East, LP parcel is subject to a Deed of Easement Pole in favor of Indiana & Michigan Electric Company (D.R. 549 Pg. 513). The Easement relates to one (1) anchor at the intersection of the Adams Center Road and US 24/30. However, the record description for said easement is ambiguous and easement is unlocatable

PI = 106+69.97 'PR-C'  
 Delta = 91°22'23.25" LT  
 D = 11°14'04.08"  
 R = 510.00'  
 T = 522.37'  
 L = 813.33'  
 E = 220.05'



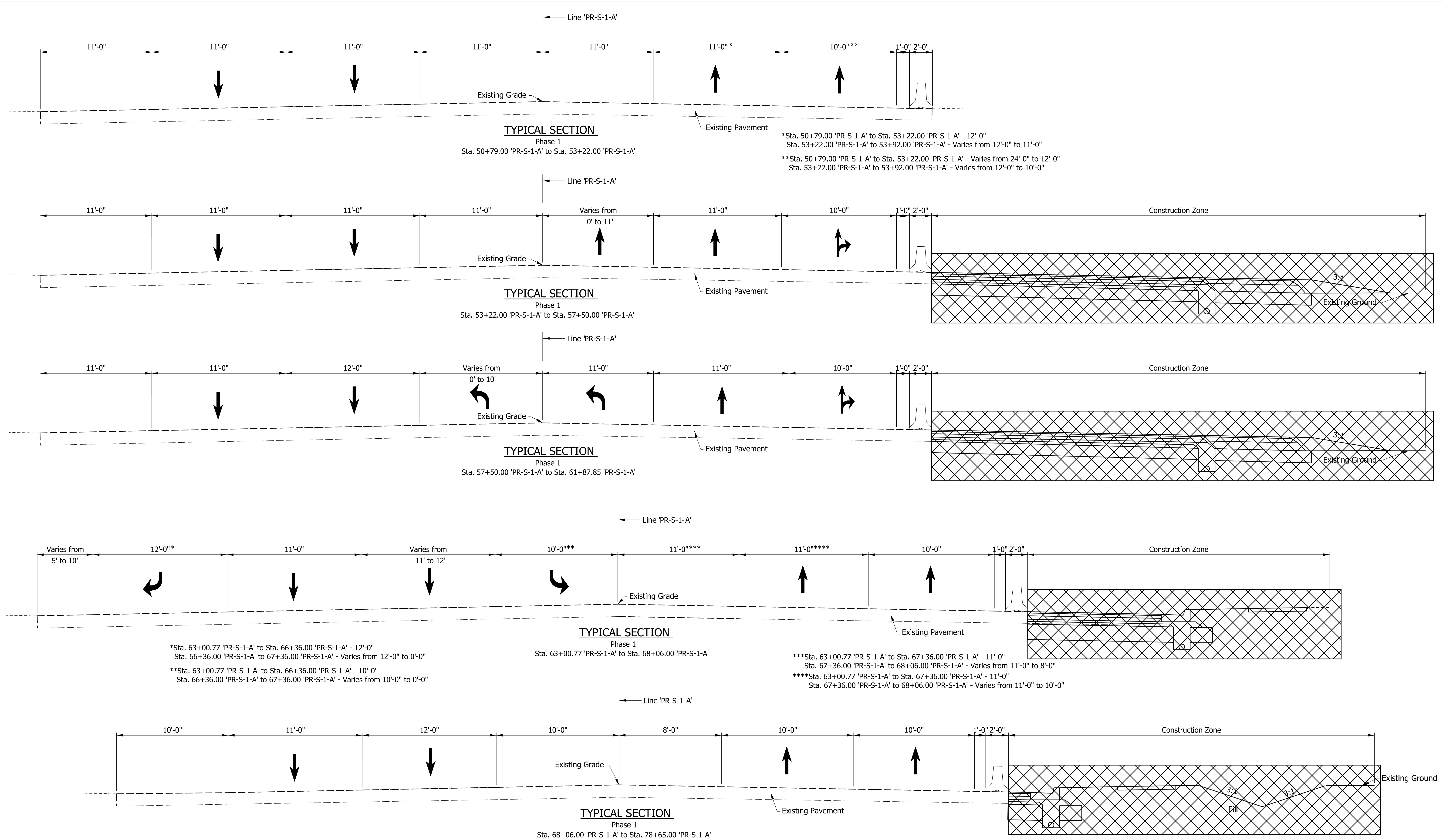
NOT FOR CONSTRUCTION  
 DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

INDIANA DEPARTMENT OF TRANSPORTATION  
 PLAT ONE

SCALE 1"=100'	ROAD FILE
	DESIGNATION 1900107
SURVEY BOOK ELECTRONIC	SHEETS 10 of 106
CONTRACT R-42358	PROJECT 1900107

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NOT FOR CONSTRUCTION  
DLZ INDIANA, LLC

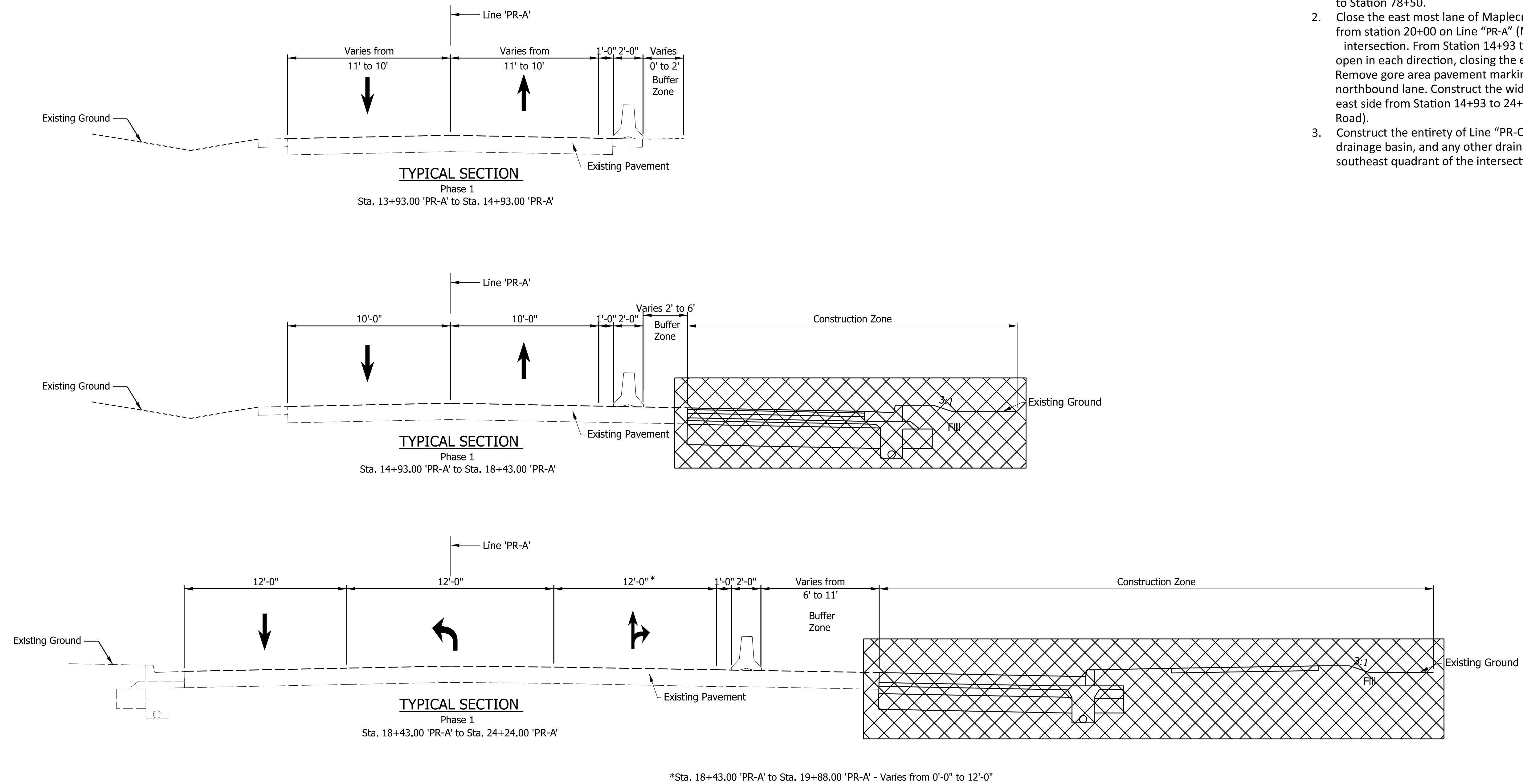
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DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

INDIANA  
DEPARTMENT OF TRANSPORTATION

MOT TYPICAL SECTIONS  
LINE PR-S-1-A - PHASE 1

SCALE 1/4" = 1'-0"	ROAD FILE
	DESIGNATION 1900107
SURVEY BOOK ELECTRONIC	SHEETS 11 of 106
CONTRACT R-42358	PROJECT 1900107

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- PHASE 1**
1. Remove all yellow pavement markings on SR 930 and white pavement markings from eastbound SR 930. Construct the widening of SR 930 along the south side, new curbs, and new drainage structures from station 53+00 Line "PR-S-1-A" (SR 930) to the intersection with Maplecrest Road and from the intersection to Station 78+50.
  2. Close the east most lane of Maplecrest Road on the south leg from station 20+00 on Line "PR-A" (Maplecrest Road) to the intersection. From Station 14+93 to 20+00, leave one 10' lane open in each direction, closing the east curb and shoulder area. Remove gore area pavement markings to accommodate shifted northbound lane. Construct the widening of Maplecrest on the east side from Station 14+93 to 24+50 Line "PR-A" (Maplecrest Road).
  3. Construct the entirety of Line "PR-C" (Quadrant Roadway), trail, drainage basin, and any other drainage structures in the southeast quadrant of the intersection.



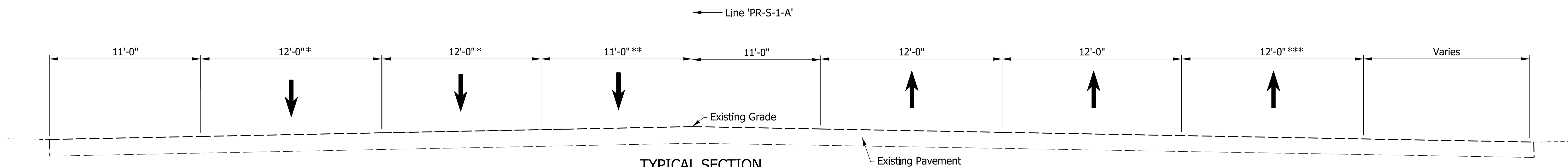
**NOT FOR CONSTRUCTION**  
DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

**INDIANA DEPARTMENT OF TRANSPORTATION**

**MOT TYPICAL SECTIONS  
LINE PR-A - PHASE 1**

SCALE 1/4" = 1'-0"	ROAD FILE -
	DESIGNATION 1900107
SURVEY BOOK ELECTRONIC	SHEETS 12 of 106
CONTRACT R-42358	PROJECT 1900107

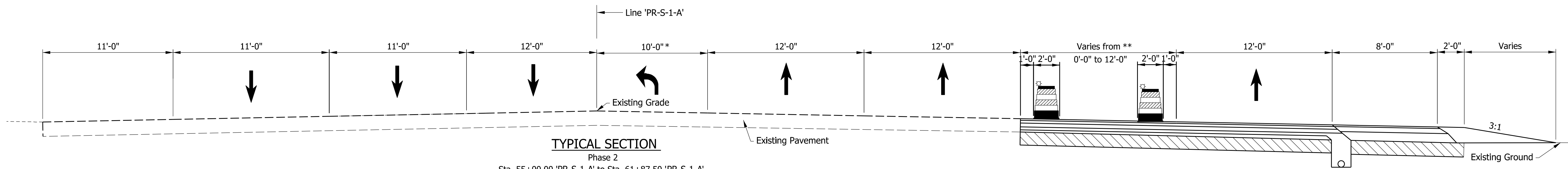


**TYPICAL SECTION**  
Phase 2  
Sta. 50+79.00 'PR-S-1-A' to Sta. 55+00.00 'PR-S-1-A'

\*Sta. 50+79.00 'PR-S-1-A' to Sta. 52+55.00 'PR-S-1-A' - 12'-0"  
Sta. 52+55.00 'PR-S-1-A' to 55+00.00 'PR-S-1-A' - Varies from 12'-0" to 11'-0"

\*\*Sta. 50+79.00 'PR-S-1-A' to Sta. 52+55.00 'PR-S-1-A' - 0'-0"  
Sta. 52+55.00 'PR-S-1-A' to 55+00.00 'PR-S-1-A' - Varies from 0'-0" to 12'-0"

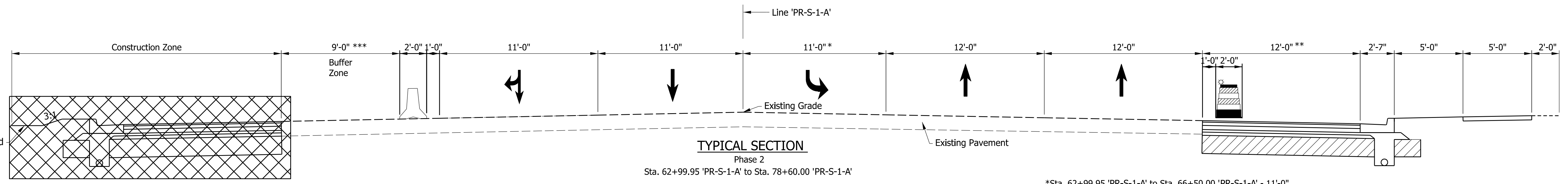
\*\*\*Sta. 50+79.00 'PR-S-1-A' to 53+22.00 'PR-S-1-A' - Varies from 12'-0" to 0'-0"  
Sta. 53+22.00 'PR-S-1-A' to 54+14.00 'PR-S-1-A' - 0'-0"  
Sta. 54+14.00 'PR-S-1-A' to 55+00.00 'PR-S-1-A' - Varies from 0'-0" to 12'-0"



**TYPICAL SECTION**  
Phase 2  
Sta. 55+00.00 'PR-S-1-A' to Sta. 61+87.50 'PR-S-1-A'

\*Sta. 55+00.00 'PR-S-1-A' to Sta. 57+50.00 'PR-S-1-A' - 0'-0"  
Sta. 57+50.00 'PR-S-1-A' to 58+50.00 'PR-S-1-A' - Varies from 0'-0" to 11'-0"  
Sta. 58+50.00 'PR-S-1-A' to 61+87.50 'PR-S-1-A' - 11'-0"

\*\*Sta. 55+00.00 'PR-S-1-A' to Sta. 57+14.00 'PR-S-1-A' - 0'-0"  
Sta. 57+14.00 'PR-S-1-A' to 58+50.00 'PR-S-1-A' - Varies from 0'-0" to 12'-0"  
Sta. 58+50.00 'PR-S-1-A' to 61+87.50 'PR-S-1-A' - 12'-0"



**TYPICAL SECTION**  
Phase 2  
Sta. 62+99.95 'PR-S-1-A' to Sta. 78+60.00 'PR-S-1-A'

\*\*\*Sta. 62+99.95 'PR-S-1-A' to Sta. 67+25.00 'PR-S-1-A' - 9'-0"  
Sta. 67+25.00 'PR-S-1-A' to 69+70.00 'PR-S-1-A' - Varies from 0'-0" to 11'-0"  
Sta. 69+70.00 'PR-S-1-A' to 78+60.00 'PR-S-1-A' - 11'-0" Thru Lane

\*Sta. 62+99.95 'PR-S-1-A' to Sta. 66+50.00 'PR-S-1-A' - 11'-0"  
Sta. 66+50.00 'PR-S-1-A' to 67+50.00 'PR-S-1-A' - Varies from 0'-0" to 11'-0"  
Sta. 67+50.00 'PR-S-1-A' to 78+60.00 'PR-S-1-A' - 0'-0"

\*\*Sta. 62+99.95 'PR-S-1-A' to Sta. 69+81.37 'PR-S-1-A' - 12'-0"  
Sta. 69+81.37 'PR-S-1-A' to 78+60.00 'PR-S-1-A' - 0'-0"

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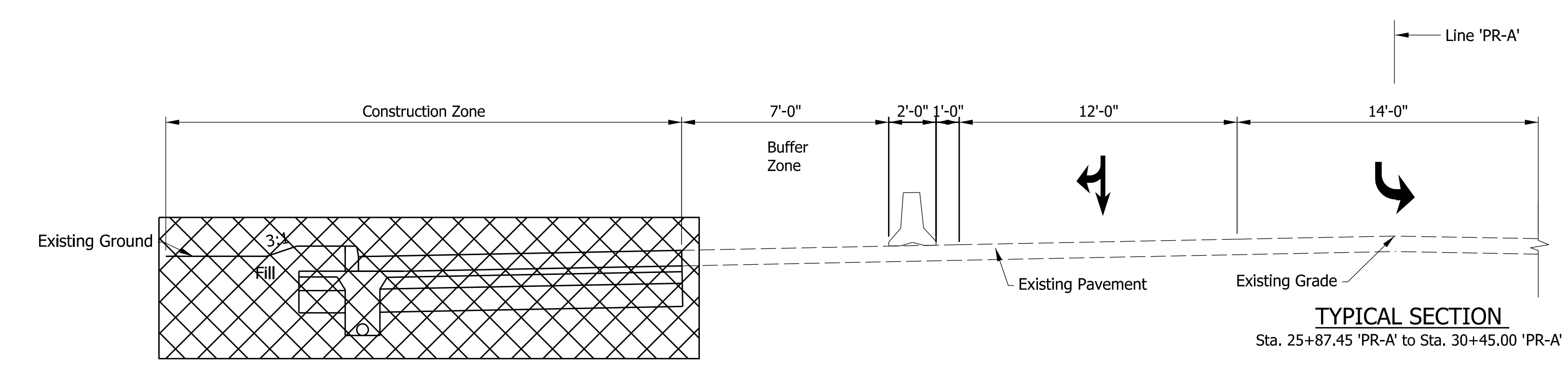
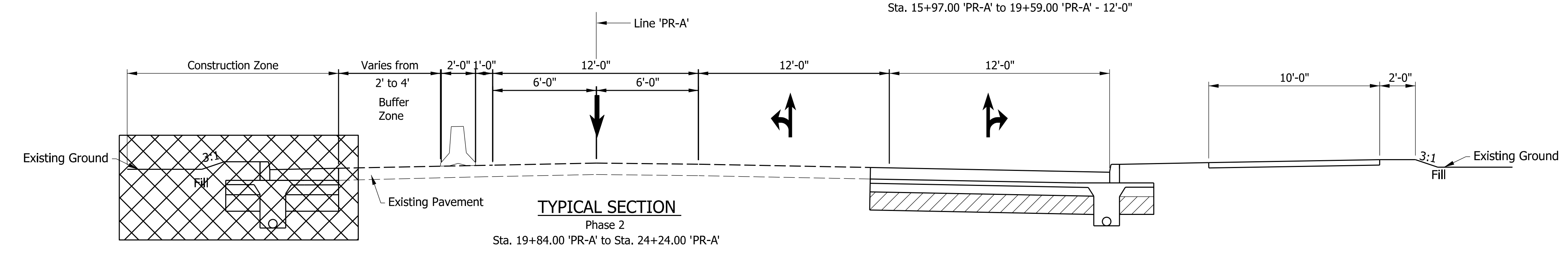
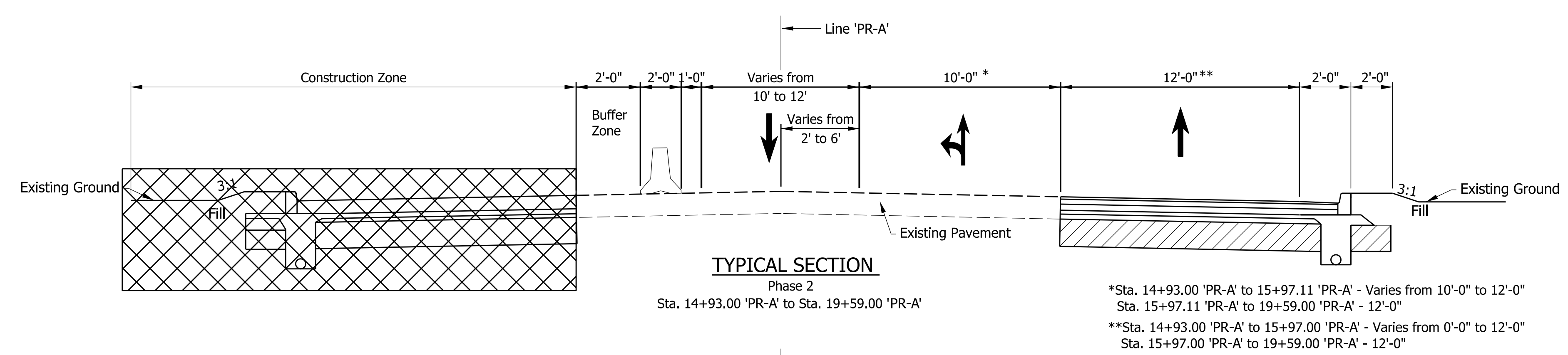
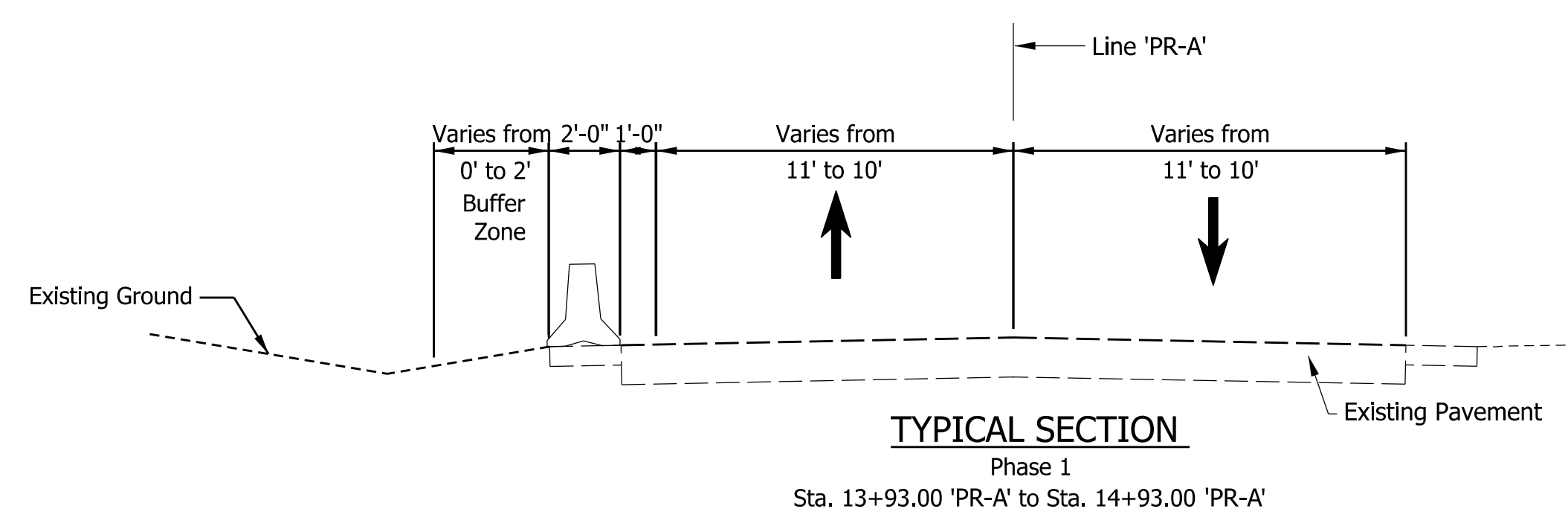
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DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

INDIANA  
DEPARTMENT OF TRANSPORTATION

MOT TYPICAL SECTIONS  
LINE PR-S-1-A - PHASE 2

SCALE 1/4" = 1'-0"	ROAD FILE
	DESIGNATION 1900107
SURVEY BOOK ELECTRONIC	SHEETS 13 of 106
CONTRACT R-42358	PROJECT 1900107

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- PHASE 2**
1. Close the westbound right turn lane at the intersection of SR 930. Maintain two westbound through lanes and left turn lanes using the center lane. Construct the right turn lane of SR 930 between stations 63+00 and 67+50 Line 'PR-S-1-A' (SR 930).
  2. The northeast radius and trail will also be constructed. The trail will be closed to allow reconstruction of the trail. No pedestrian detour will be needed as there was previously no receiving trail on the south side of SR 930.
  3. Construct the northwest radius of the intersection. Maintain two westbound through lanes.
  4. Close the right turn lane of Maplecrest Road's north leg to construct the additional right turn lane and curb, between stations 26+00 to 30+50 Line 'PR-A' (Maplecrest Road). Keep the left turn lane open and use the through lane as a combined through/right turn lane.
  5. Close the west most lane on Maplecrest Road's south leg. Use the northbound left turn lane and gore area for southbound traffic, maintaining at least a 10' lane each direction. Northbound traffic will have two lanes. Construct the curb and widen the west side of Maplecrest Road between stations 14+93 to 24+50 Line 'PR-A' (Maplecrest Road).
  6. The Quadrant roadway will remain closed, finishing touches can be done. The southernmost through lane on SR 930's west leg will be closed in addition to the eastbound right turn lane on the east side of the intersection to prevent traffic from turning onto the Quadrant roadway from SR 930.



NOT FOR CONSTRUCTION  
DLZ INDIANA, LLC

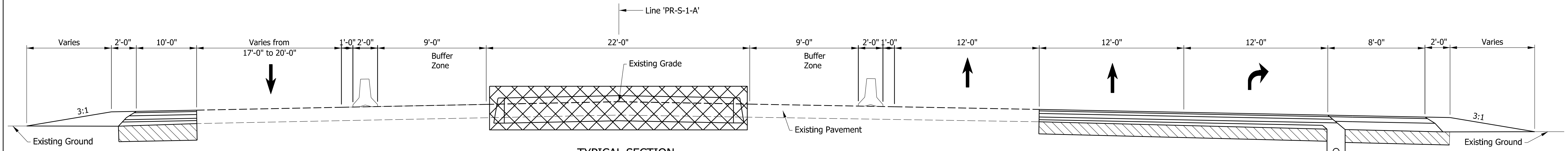
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

INDIANA  
DEPARTMENT OF TRANSPORTATION

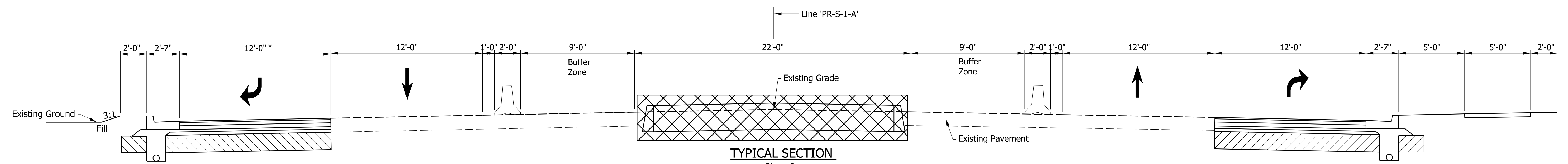
MOT TYPICAL SECTIONS  
LINE PR-A - PHASE 2

SCALE 1/4" = 1'-0"	ROAD FILE -
	DESIGNATION 1900107
SURVEY BOOK ELECTRONIC	SHEETS 14 of 106
CONTRACT R-42358	PROJECT 1900107

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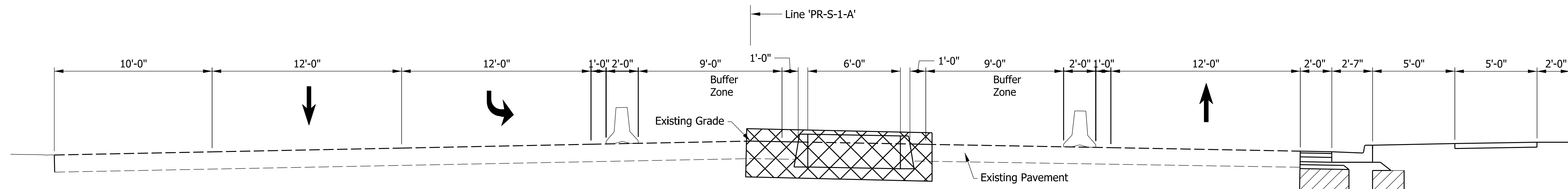


**TYPICAL SECTION**  
Phase 3  
Sta. 60+18.19 'PR-S-1-A' to Sta. 61+90.39 'PR-S-1-A'

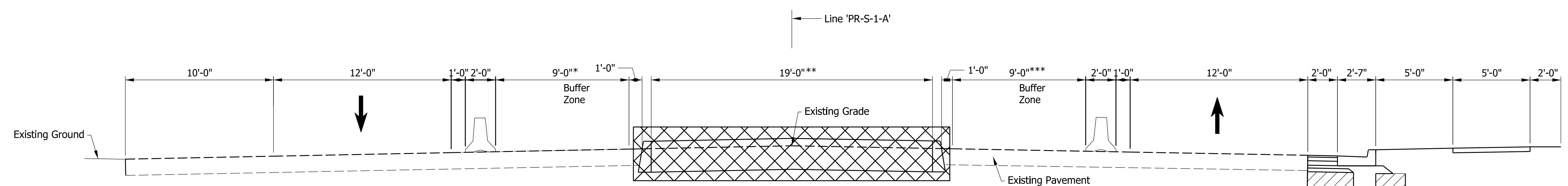


**TYPICAL SECTION**  
Phase 3  
Sta. 63+13.30 'PR-S-1-A' to Sta. 68+40.00 'PR-S-1-A'

\* Sta. 63+13.30 'PR-S-1-A' to 66+19.08 'PR-S-1-A' - 12'-0"  
Sta. 66+19.08 'PR-S-1-A' to 67+21.21 'PR-S-1-A' - Varies from 12'-0" to 0'-0"



**TYPICAL SECTION**  
Phase 3  
Sta. 68+40.00 'PR-S-1-A' to Sta. 73+20.00 'PR-S-1-A'



**TYPICAL SECTION**  
Phase 3  
Sta. 73+20.00 'PR-S-1-A' to Sta. 78+60.00 'PR-S-1-A'

\* Sta. 73+20.00 'PR-S-1-A' to 76+00.00 'PR-S-1-A' - 9'-0"  
Sta. 74+50.00 'PR-S-1-A' to 78+45.00 'PR-S-1-A' - Varies from 9'-0" to 0'-0"  
Sta. 78+45.00 'PR-S-1-A' to 78+60.00 'PR-S-1-A' - 12'-0" Thru Lane

\*\* Sta. 73+19.25 'PR-S-1-A' to 74+28.07 'PR-S-1-A' - Varies from 6'-0" to 19'-0"  
\*\*\* Sta. 73+20.00 'PR-S-1-A' to 74+50.00 'PR-S-1-A' - 9'-0"  
Sta. 74+50.00 'PR-S-1-A' to 75+50.00 'PR-S-1-A' - Varies from 9'-0" to 0'-0"



**NOT FOR CONSTRUCTION**  
DLZ INDIANA, LLC

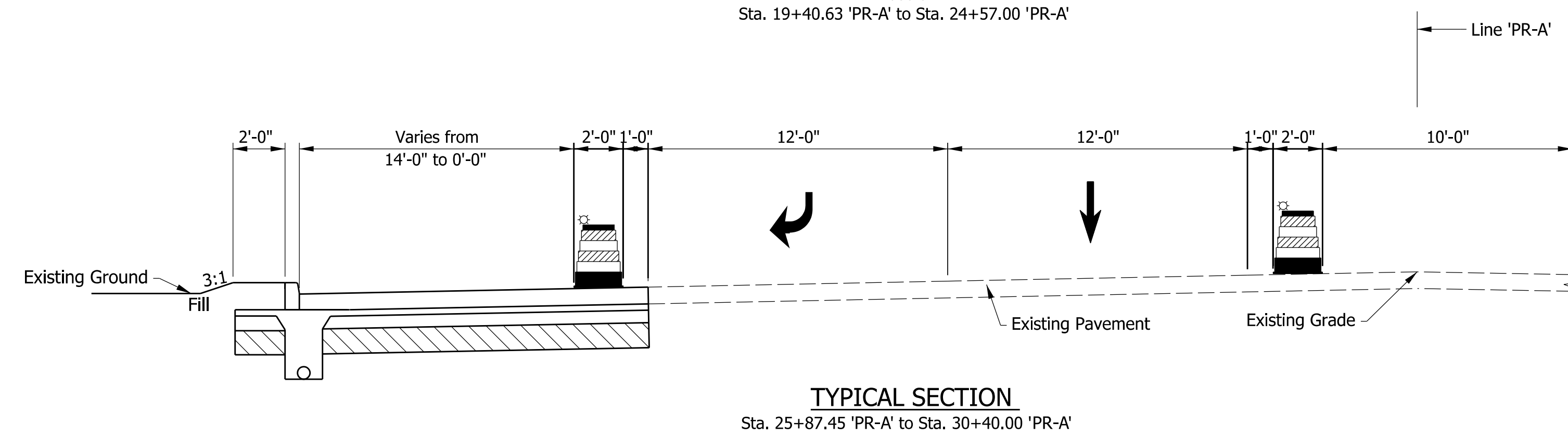
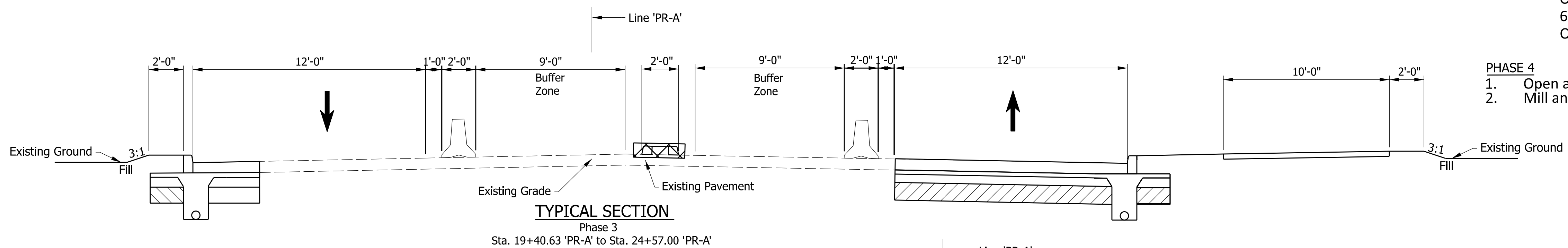
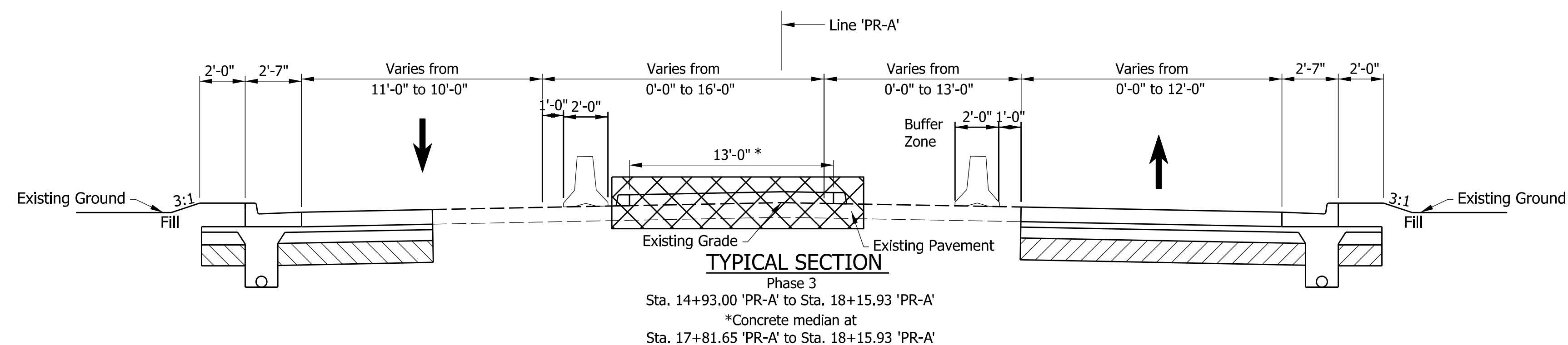
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

**INDIANA DEPARTMENT OF TRANSPORTATION**

**MOT TYPICAL SECTIONS  
LINE PR-S-1-A - PHASE 3**

SCALE 1/4" = 1'-0"	ROAD FILE
	DESIGNATION 1900107
SURVEY BOOK ELECTRONIC	SHEETS 15 of 106
CONTRACT R-42358	PROJECT 1900107

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**PHASE 3**

1. **Phase 3A**
  - a. The Quadrant roadway is to remain closed as signals are added to the Quadrant intersections and the signal at the intersection of SR 930 and Maplecrest Road is modified.
  - b. Permanent pavement markings are added to Maplecrest Road and the necessary temporary pavement markings are added to SR 930.
2. **Phase 3B**
  - a. Open the Quadrant roadway and signals for traffic.
  - b. Construct the concrete medians on SR 930 and the south leg of Maplecrest Road.
    - i. On the south leg of Maplecrest, close the inner northbound lane, maintaining at least one 10'-lane each direction. Traffic to use the Quadrant Roadway.
    - ii. On the north leg of Maplecrest, close the western most right turn lane, since there will only be one receiving lane on SR 930.
    - iii. Close the existing two left turn lanes on the west leg of SR 930, the northern most eastbound through lane, and the southern most westbound through lane. Allow traffic to still turn left into the drives at Station 58+00, 59+00, and 60+00 Line 'PR-S-1-A' (SR 930) using the two-way left turn lane. Construct the concrete median between stations 60+20 to 62+22 Line 'PR-S-1-A'.
    - iv. Between stations 62+77 to 68+25 Line 'PR-S-1-A' on SR 930, keep one through lane each direction and both the eastbound and westbound right turn lanes open. Close all other lanes in the middle and construct the concrete median.
    - v. Between stations 69+50 to 76+00 Line 'PR-S-1-A' on SR 930, keep only the outside through lanes open. Open up a second westbound lane between 69+50 and 73+00 for westbound left turns onto the Quadrant roadway.

**PHASE 4**

1. Open all aspects of the intersection.
2. Mill and resurface SR 930 with flagging operations.



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DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

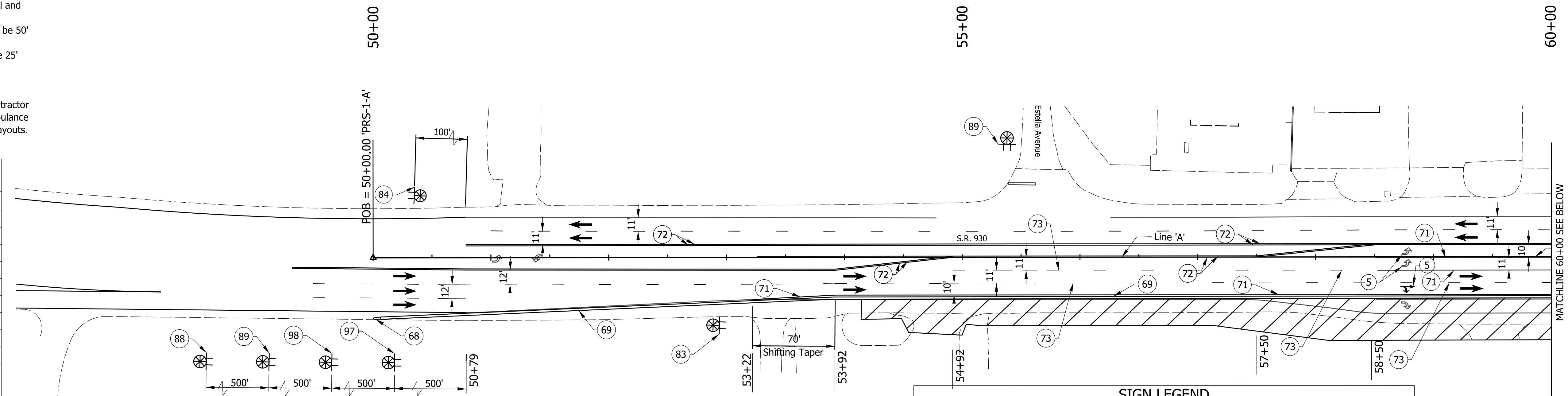
INDIANA DEPARTMENT OF TRANSPORTATION  
MOT TYPICAL SECTIONS  
LINE PR-A - PHASE 3

SCALE 1/4" = 1'-0"	ROAD FILE
	DESIGNATION 1900107
SURVEY BOOK ELECTRONIC	SHEETS 16 of 106
CONTRACT R-42358	PROJECT 1900107

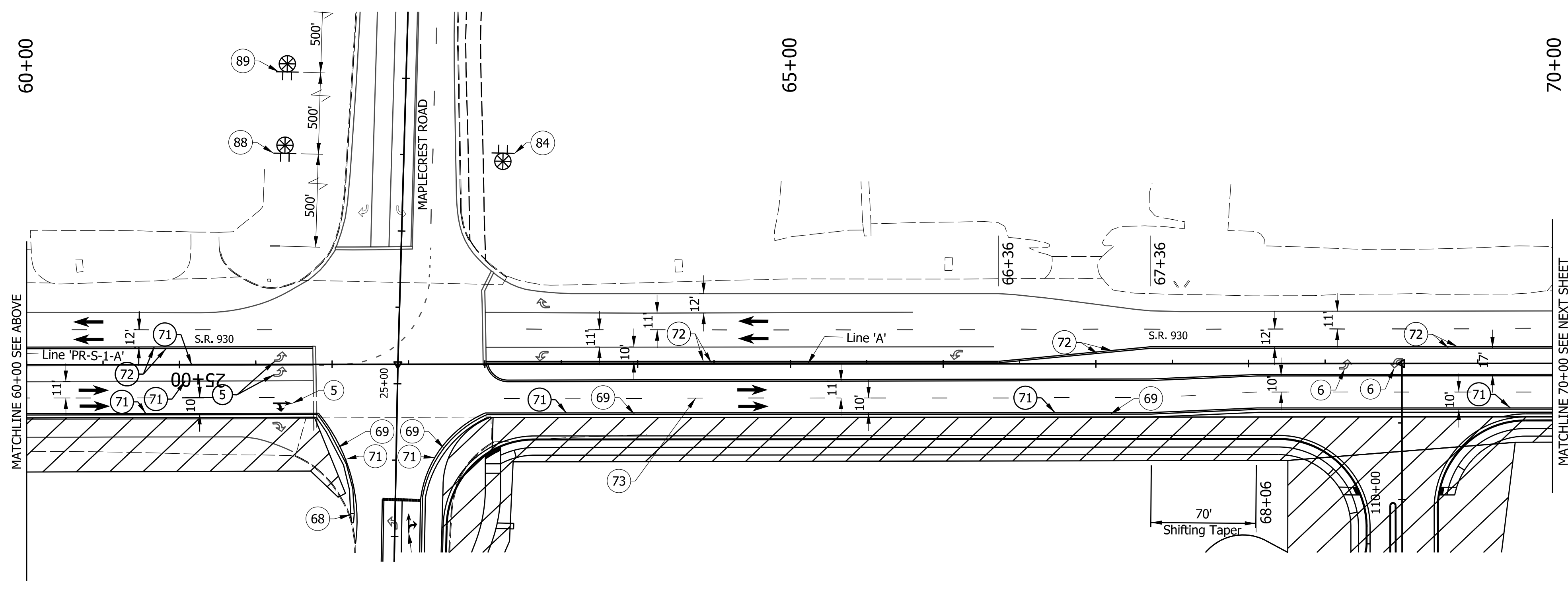


- NOTES**
- All signs, barricades, and pavement markings shall conform to the Indiana Manual on Traffic Control Devices for Streets and Highways, 2011 and any current supplements thereto.
  - Contractor shall maintain access to all commercial and private properties during construction.
  - Spacing of channelizing devices on tangents shall be 50' unless otherwise noted.
  - Spacing of channelizing devices on tapers shall be 25' unless otherwise noted.
  - Warning Lights, Type A shall be installed on all construction signs.
  - One week prior to all traffic pattern changes, Contractor shall notify local fire department, police, and ambulance services of work schedule and temporary traffic layouts.

CONSTRUCTION SIGN SCHEDULE	
ITEM	TOTALS
<b>TYPE 'A' SIGN</b>	
XG20-2	1 EACH
XW2-6	1 EACH
XW20-1a	2 EACH
XW4-2	1 EACH
TOTAL TYPE 'A' SIGN	5 EACH
<b>TYPE 'B' SIGN</b>	
R2-1-B	1 EACH
XG20-5-B	2 EACH
XW3-5-B	1 EACH
TOTAL TYPE 'B' SIGN	4 EACH
Temporary Traffic Barrier, Type 2	1,566 LFT
Energy Absorbing Terminal, CZ, TL-2	2 EACH



SIGN LEGEND		
SIGN	DESCRIPTION	SIZE (in x in)
XG20-2	"END CONSTRUCTION" SIGN	60 x 24
XG20-5-B	"WORKSITE" & R2-1-B (35mph) "SPEED LIMIT" SIGN	48 x 16
XW2-6	"SPEEDING MAX \$1000 RECKLESS DRIVING MAX 6 YRS" Sign	60 x 36
XW3-5-B(35)	"SPEED LIMIT 35" SIGN	48 X 48
XW20-1a	"ROAD CONSTRUCTION AHEAD" SIGN	48 X 48
XW20-2	"DETOUR AHEAD" SIGN	48 X 48
XW4-2	"(LANE ENDS MERGE _____ SYMBOL)" SIGN	36 X 36



- LEGEND:**
- 5 Temporary Pavement Message Marking, Removable, Lane Indication Arrow
  - 6 Pavement Message Marking, Remove
  - 68 Energy Absorbing Terminal, CZ, TL-2
  - 69 Temporary Traffic Barrier, Type 2
  - 71 Temp. Pavement Marking, Removable, Solid, White, 6in
  - 72 Temp. Pavement Marking, Removable, Solid, Yellow, 6in
  - 73 Temp. Pavement Marking, Removable, Broken, White, 6in
  - 83 XW4-2 '(LANE ENDS MERGE \_\_\_\_\_ SYMBOL)' Sign
  - 84 XG20-2 'END CONSTRUCTION' Sign
  - 88 XW2-6 'WORKSITE PENALTY ADDED' Sign
  - 89 XW20-1a 'ROAD CONSTRUCTION AHEAD' Sign
  - 97 XG20-5-B 'WORKSITE & R2-1-B(35mph) SPEED LIMIT' Sign
  - 98 XG20-5-B 'WORKSITE & XW3-5-B(35mph) SPEED LIMIT' Sign
  - Flashing Arrow Sign
  - Barricade
  - Area Under Construction
  - Type 'A' Construction Warning Light
  - Construction Sign
  - Standard Drum
  - Direction of Traffic

Construction Zone  
Design Speed = 35 mph

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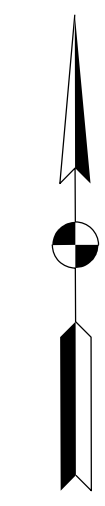


**NOT FOR CONSTRUCTION**  
DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

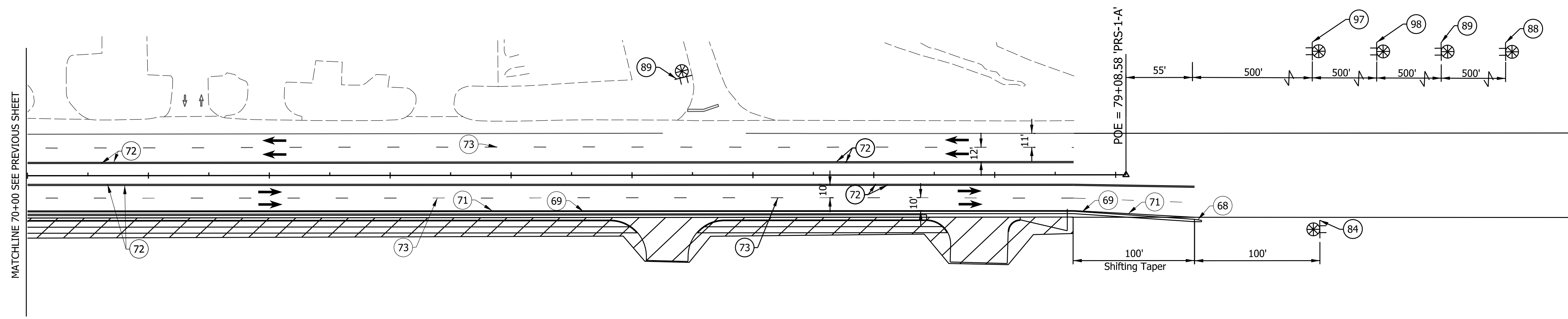
INDIANA DEPARTMENT OF TRANSPORTATION  
MAINTENANCE OF TRAFFIC PHASE I  
LINE 'PR-S-1-A'

SCALE 1"=50'	ROAD FILE -
	DESIGNATION 1900107
SURVEY BOOK ELECTRONIC	SHEETS 17 of 106
CONTRACT R-42358	PROJECT 1900107



70+00

75+00



MATCHLINE 70+00 SEE PREVIOUS SHEET

CONSTRUCTION SIGN SCHEDULE	
ITEM	TOTALS
TYPE 'A' SIGN	
XG20-2	1 EACH
XW2-6	1 EACH
XW20-1a	2 EACH
TOTAL TYPE 'A' SIGN	4 EACH
TYPE 'B' SIGN	
R2-1-B	1 EACH
XG20-5-B	1 EACH
XW3-5-B	1 EACH
TOTAL TYPE 'B' SIGN	3 EACH
Temporary Traffic Barrier, Type 2	965 LFT
Energy Absorbing Terminal, CZ, TL-2	1 EACH

SIGN LEGEND		
SIGN	DESCRIPTION	SIZE (in x in)
XG20-2	"END CONSTRUCTION" SIGN	60 x 24
XG20-5-B	"WORKSITE" & R2-1-B (35mph) "SPEED LIMIT" SIGN	48 x 16
XW2-6	"SPEEDING MAX \$1000 RECKLESS DRIVING MAX 6 YRS" Sign	60 x 36
XW3-5-B(35)	"SPEED LIMIT 35" SIGN	48 X 48
XW20-1a	"ROAD CONSTRUCTION AHEAD" SIGN	48 x 48
XW20-2	"DETOUR AHEAD" SIGN	48 X 48

- NOTES**
- All signs, barricades, and pavement markings shall conform to the Indiana Manual on Traffic Control Devices for Streets and Highways, 2011 and any current supplements thereto.
  - Contractor shall maintain access to all commercial and private properties during construction.
  - Spacing of channelizing devices on tangents shall be 50' unless otherwise noted.
  - Spacing of channelizing devices on tapers shall be 25' unless otherwise noted.
  - Warning Lights, Type A shall be installed on all construction signs.
  - One week prior to all traffic pattern changes, Contractor shall notify local fire department, police, and ambulance services of work schedule and temporary traffic layouts.

Construction Zone  
Design Speed = 35 mph

- LEGEND:**
- 68 Energy Absorbing Terminal, CZ, TL-2
  - 69 Temporary Traffic Barrier, Type 2
  - 71 Temp. Pavement Marking, Removable, Solid, White, 6in
  - 72 Temp. Pavement Marking, Removable, Solid, Yellow, 6in
  - 73 Temp. Pavement Marking, Removable, Broken, White, 6in
  - 84 XG20-2 'END CONSTRUCTION' Sign
  - 88 XW2-6 'WORKSITE PENALTY ADDED' Sign
  - 89 XW20-1a 'ROAD CONSTRUCTION AHEAD' Sign
  - 97 XG20-5-B 'WORKSITE & R2-1-B(35mph) SPEED LIMIT' Sign
  - 98 XG20-5-B 'WORKSITE & XW3-5-B(35mph) SPEED LIMIT' Sign
  - Standard Drum
  - Direction of Traffic
  - ▨ Area Under Construction
  - ⊗ Type 'A' Construction Warning Light
  - ⊠ Construction Sign

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NOT FOR CONSTRUCTION  
DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

INDIANA  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PHASE I  
LINE 'PR-S-1-A'

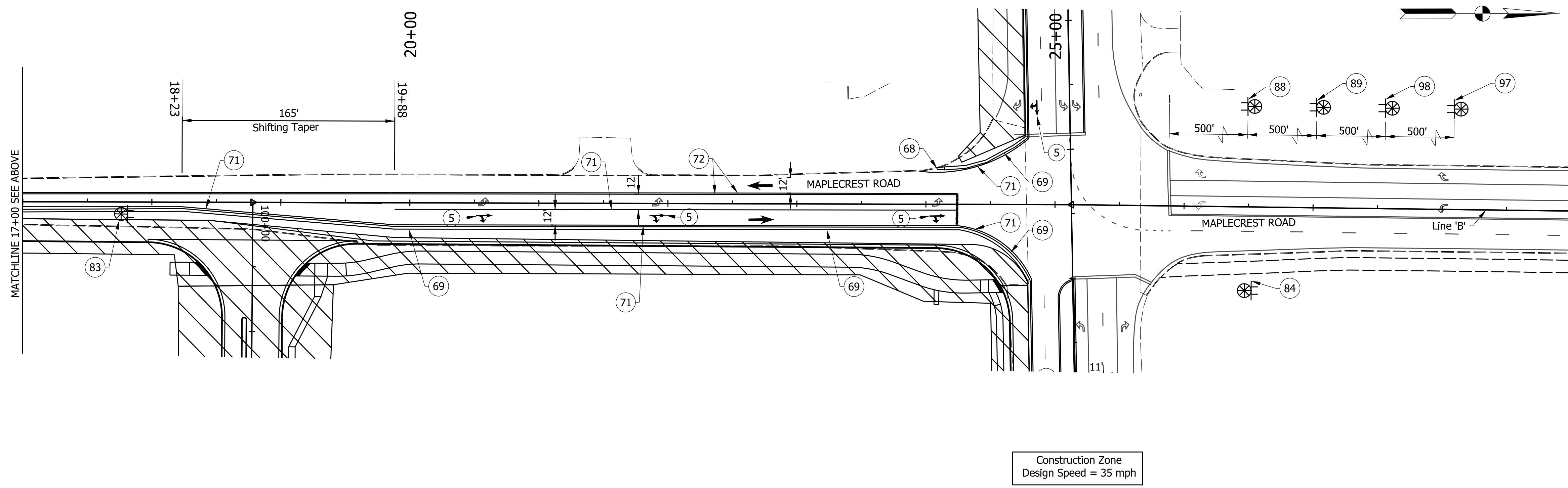
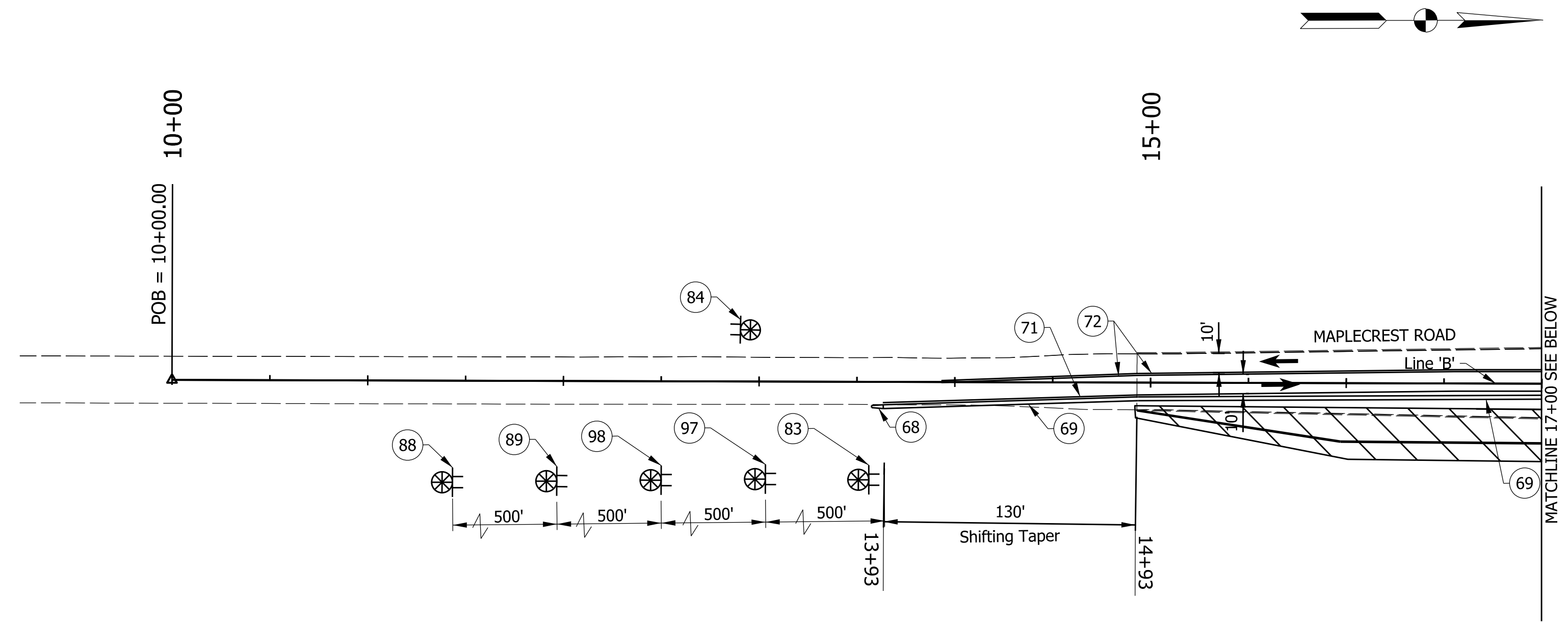
SCALE 1"=50'	ROAD FILE -
	DESIGNATION 1900107
SURVEY BOOK ELECTRONIC	SHEETS 18 of 106
CONTRACT R-42358	PROJECT 1900107

**CONSTRUCTION SIGN SCHEDULE**

ITEM	TOTALS
TYPE 'A' SIGN	
XG20-2	2 EACH
XW2-6	2 EACH
XW20-1a	4 EACH
XW4-2	2 EACH
TOTAL TYPE 'A' SIGN	10 EACH
TYPE 'B' SIGN	
R2-1-B	2 EACH
XG20-5-B	4 EACH
XW3-5-B	2 EACH
TOTAL TYPE 'B' SIGN	8 EACH
Temporary Traffic Barrier, Type 2	1,134 LFT
Energy Absorbing Terminal, CZ, TL-2	1 EACH

**SIGN LEGEND**

SIGN	DESCRIPTION	SIZE (in x in)
XG20-2	"END CONSTRUCTION" SIGN	60 x 24
XG20-5-B	"WORKSITE" & R2-1-B (35mph) "SPEED LIMIT" SIGN	48 x 16
XW2-6	"SPEEDING MAX \$1000 RECKLESS DRIVING MAX 6 YRS" Sign	60 x 36
XW3-5-B(35)	"SPEED LIMIT 35" SIGN	48 X 48
XW20-1a	"ROAD CONSTRUCTION AHEAD" SIGN	48 x 48
XW20-2	"DETOUR AHEAD" SIGN	48 X 48



**NOTES**

- All signs, barricades, and pavement markings shall conform to the Indiana Manual on Traffic Control Devices for Streets and Highways, 2011 and any current supplements thereto.
- Contractor shall maintain access to all commercial and private properties during construction.
- Spacing of channelizing devices on tangents shall be 50' unless otherwise noted.
- Spacing of channelizing devices on tapers shall be 25' unless otherwise noted.
- Warning Lights, Type A shall be installed on all construction signs.
- One week prior to all traffic pattern changes, Contractor shall notify local fire department, police, and ambulance services of work schedule and temporary traffic layouts.

**LEGEND:**

- 68 Energy Absorbing Terminal, CZ, TL-2
- 69 Temporary Traffic Barrier, Type 2
- 71 Temp. Pavement Marking, Removable, Solid, White, 6in
- 72 Temp. Pavement Marking, Removable, Solid, Yellow, 6in
- 84 XG20-2 'END CONSTRUCTION' Sign
- 88 XW2-6 'WORKSITE PENALTY ADDED' Sign
- 89 XW20-1a 'ROAD CONSTRUCTION AHEAD' Sign
- 97 XG20-5-B 'WORKSITE & R2-1-B(35mph) SPEED LIMIT' Sign
- 98 XG20-5-B 'WORKSITE & XW3-5-B(35mph) SPEED LIMIT' Sign
- Standard Drum
- ➔ Direction of Traffic
- ▨ Area Under Construction
- ⊗ Type 'A' Construction Warning Light
- ⊠ Construction Sign

Construction Zone  
Design Speed = 35 mph

X:\Projects\2020\2066\218090\_INDOT SR 930\_Intersection\_Improvements01\_ConstrDocs\CAD\Drawings\MOT\1900 MOT PH1 03.DGN



NOT FOR CONSTRUCTION  
DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

INDIANA DEPARTMENT OF TRANSPORTATION  
MAINTENANCE OF TRAFFIC PHASE I  
LINE 'PR-A'

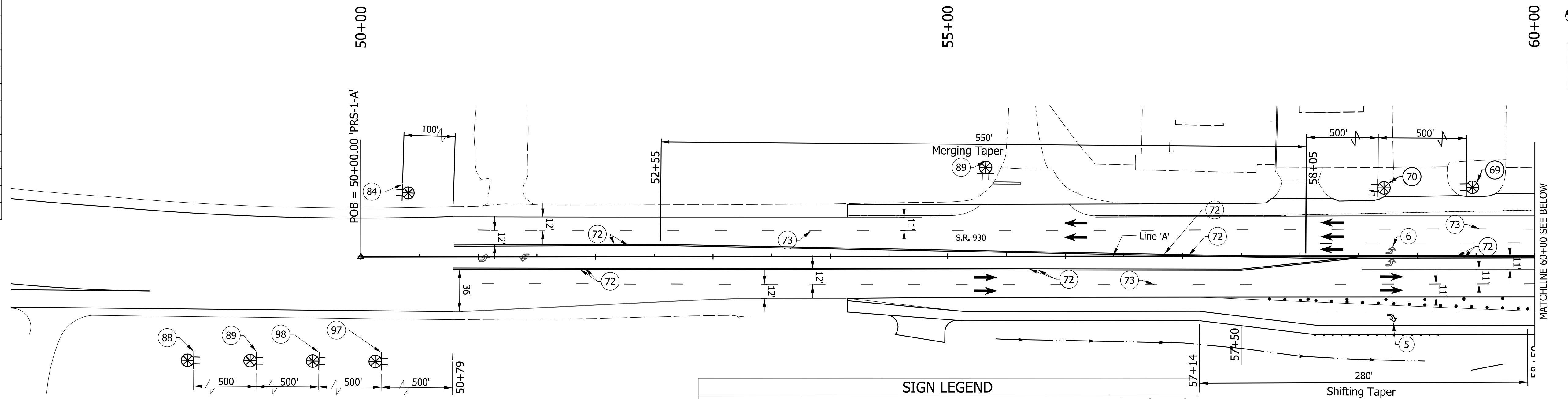
SCALE 1"=50'	ROAD FILE
	DESIGNATION 1900107
SURVEY BOOK ELECTRONIC	SHEETS 19 of 106
CONTRACT R-42358	PROJECT 1900107

**CONSTRUCTION SIGN SCHEDULE**

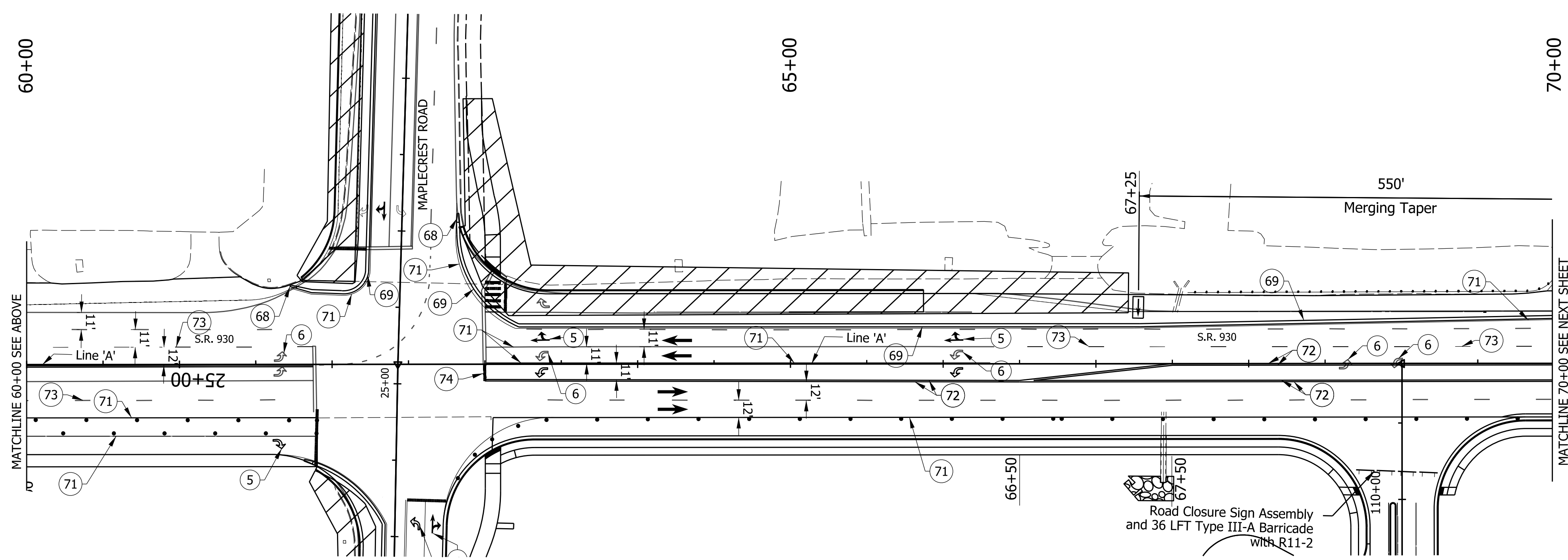
ITEM	TOTALS
<b>TYPE 'A' SIGN</b>	
XG20-2	1 EACH
XW2-6	1 EACH
XW20-1a	2 EACH
<b>TOTAL TYPE 'A' SIGN</b>	<b>4 EACH</b>
<b>TYPE 'B' SIGN</b>	
R2-1-B	1 EACH
XG20-5-B	2 EACH
XW3-5-B	1 EACH
<b>TOTAL TYPE 'B' SIGN</b>	<b>4 EACH</b>
Temporary Traffic Barrier, Type 2	762 LFT
Energy Absorbing Terminal, CZ, TL-2	1 EACH

**NOTES**

- All signs, barricades, and pavement markings shall conform to the Indiana Manual on Traffic Control Devices for Streets and Highways, 2011 and any current supplements thereto.
- Contractor shall maintain access to all commercial and private properties during construction.
- Spacing of channelizing devices on tangents shall be 50' unless otherwise noted.
- Spacing of channelizing devices on tapers shall be 25' unless otherwise noted.
- Warning Lights, Type A shall be installed on all construction signs.
- One week prior to all traffic pattern changes, Contractor shall notify local fire department, police, and ambulance services of work schedule and temporary traffic layouts.



SIGN LEGEND		
SIGN	DESCRIPTION	SIZE (in x in)
XG20-2	"END CONSTRUCTION" SIGN	60 x 24
XG20-5-B	"WORKSITE" & R2-1-B (35mph) "SPEED LIMIT" SIGN	48 x 16
XW2-6	"SPEEDING MAX \$1000 RECKLESS DRIVING MAX 6 YRS" Sign	60 x 36
XW3-5-B(35)	"SPEED LIMIT 35" SIGN	48 x 48
XW20-1a	"ROAD CONSTRUCTION AHEAD" SIGN	48 x 48
XW20-2	"DETOUR AHEAD" SIGN	48 x 48



**LEGEND:**

- 5 Temporary Pavement Message Marking, Removable, Lane Indication Arrow
- 6 Pavement Message Marking, Remove
- 67 W4-2 'LANE ENDS' Sign
- 68 Energy Absorbing Terminal, CZ, TL-2
- 69 Temporary Traffic Barrier, Type 2
- 70 W20-5 'LANE CLOSED AHEAD' Sign
- 71 Temp. Pavement Marking, Removable, Solid, White, 6in
- 72 Temp. Pavement Marking, Removable, Solid, Yellow, 6in
- 73 Temp. Pavement Marking, Removable, Broken, White, 6in
- 84 XG20-2 'END CONSTRUCTION' Sign
- 88 XW2-6 'WORKSITE PENALTY ADDED' Sign
- 89 XW20-1a 'ROAD CONSTRUCTION AHEAD' Sign
- 97 XG20-5-B 'WORKSITE & R2-1-B(35mph) SPEED LIMIT' Sign
- 98 XG20-5-B 'WORKSITE & XW3-5-B(35mph) SPEED LIMIT' Sign
- Standard Drum
- ➔ Direction of Traffic
- ⊥ Barricade
- ▨ Area Under Construction
- ⊗ Type 'A' Construction Warning Light
- ⊠ Construction Sign
- ⊡ Flashing Arrow Sign

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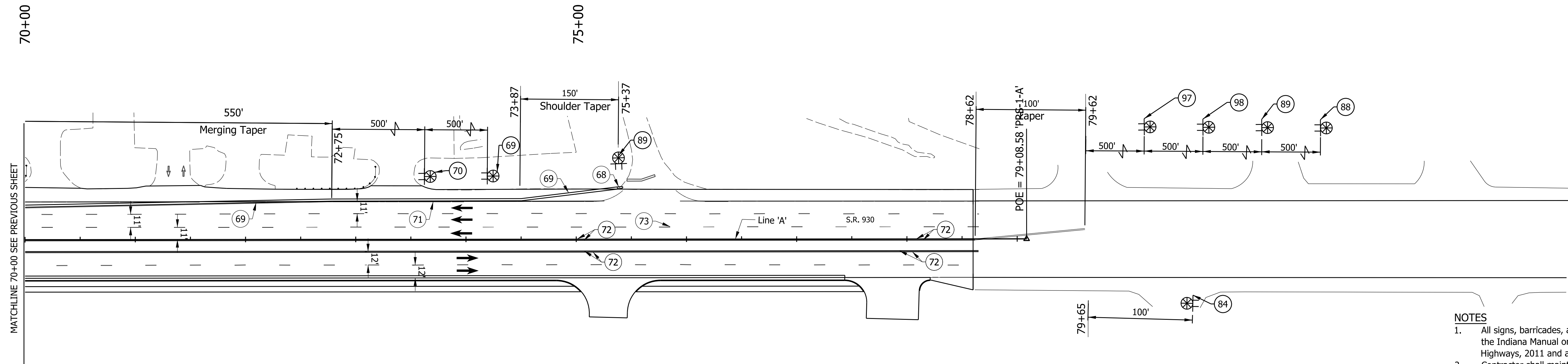
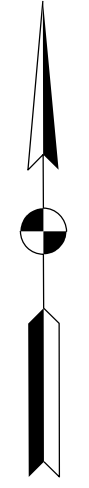


**NOT FOR CONSTRUCTION**  
DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

INDIANA DEPARTMENT OF TRANSPORTATION  
MAINTENANCE OF TRAFFIC PHASE II  
LINE 'PR-S-1-A'

SCALE 1"=50'	ROAD FILE
	DESIGNATION 1900107
SURVEY BOOK ELECTRONIC	SHEETS 20 of 106
CONTRACT R-42358	PROJECT 1900107



MATCHLINE 70+00 SEE PREVIOUS SHEET

**NOTES**

- All signs, barricades, and pavement markings shall conform to the Indiana Manual on Traffic Control Devices for Streets and Highways, 2011 and any current supplements thereto.
- Contractor shall maintain access to all commercial and private properties during construction.
- Spacing of channelizing devices on tangents shall be 50' unless otherwise noted.
- Spacing of channelizing devices on tapers shall be 25' unless otherwise noted.
- Warning Lights, Type A shall be installed on all construction signs.
- One week prior to all traffic pattern changes, Contractor shall notify local fire department, police, and ambulance services of work schedule and temporary traffic layouts.

**CONSTRUCTION SIGN SCHEDULE**

ITEM	TOTALS
<b>TYPE 'A' SIGN</b>	
XG20-2	1 EACH
XW2-6	1 EACH
XW20-1a	2 EACH
<b>TOTAL TYPE 'A' SIGN</b>	<b>4 EACH</b>
<b>TYPE 'B' SIGN</b>	
R2-1-B	1 EACH
XG20-5-B	2 EACH
XW3-5-B	1 EACH
<b>TOTAL TYPE 'B' SIGN</b>	<b>4 EACH</b>
Temporary Traffic Barrier, Type 2	538 LFT
Energy Absorbing Terminal, CZ, TL-2	1 EACH

**SIGN LEGEND**

SIGN	DESCRIPTION	SIZE (in x in)
XG20-2	"END CONSTRUCTION" SIGN	60 x 24
XG20-5-B	"WORKSITE" & R2-1-B (35mph) "SPEED LIMIT" SIGN	48 x 16
XW2-6	"SPEEDING MAX \$1000 RECKLESS DRIVING MAX 6 YRS" SIGN	60 x 36
XW3-5-B(35)	"SPEED LIMIT 35" SIGN	48 X 48
XW20-1a	"ROAD CONSTRUCTION AHEAD" SIGN	48 x 48
XW20-2	"DETOUR AHEAD" SIGN	48 X 48

**LEGEND:**

- 67 W4-2 'LANE ENDS' Sign
- 68 Energy Absorbing Terminal, CZ, TL-2
- 69 Temporary Traffic Barrier, Type 2
- 70 W20-5 'LANE CLOSED AHEAD' Sign
- 71 Temp. Pavement Marking, Removable, Solid, White, 6in
- 72 Temp. Pavement Marking, Removable, Solid, Yellow, 6in
- 73 Temp. Pavement Marking, Removable, Broken, White, 6in
- 84 XG20-2 'END CONSTRUCTION' Sign
- 88 XW2-6 'WORKSITE PENALTY ADDED' Sign
- 89 XW20-1a 'ROAD CONSTRUCTION AHEAD' Sign
- 97 XG20-5-B 'WORKSITE & R2-1-B(35mph) SPEED LIMIT' Sign
- 98 XG20-5-B 'WORKSITE & XW3-5-B(35mph) SPEED LIMIT' Sign
- Standard Drum
- ➔ Direction of Traffic
- ⊥ Barricade
- ▨ Area Under Construction
- ⬇ Flashing Arrow Sign
- ⊗ Type 'A' Construction Warning Light
- ⊠ Construction Sign

Construction Zone  
Design Speed = 35 mph

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**NOT FOR CONSTRUCTION**  
DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

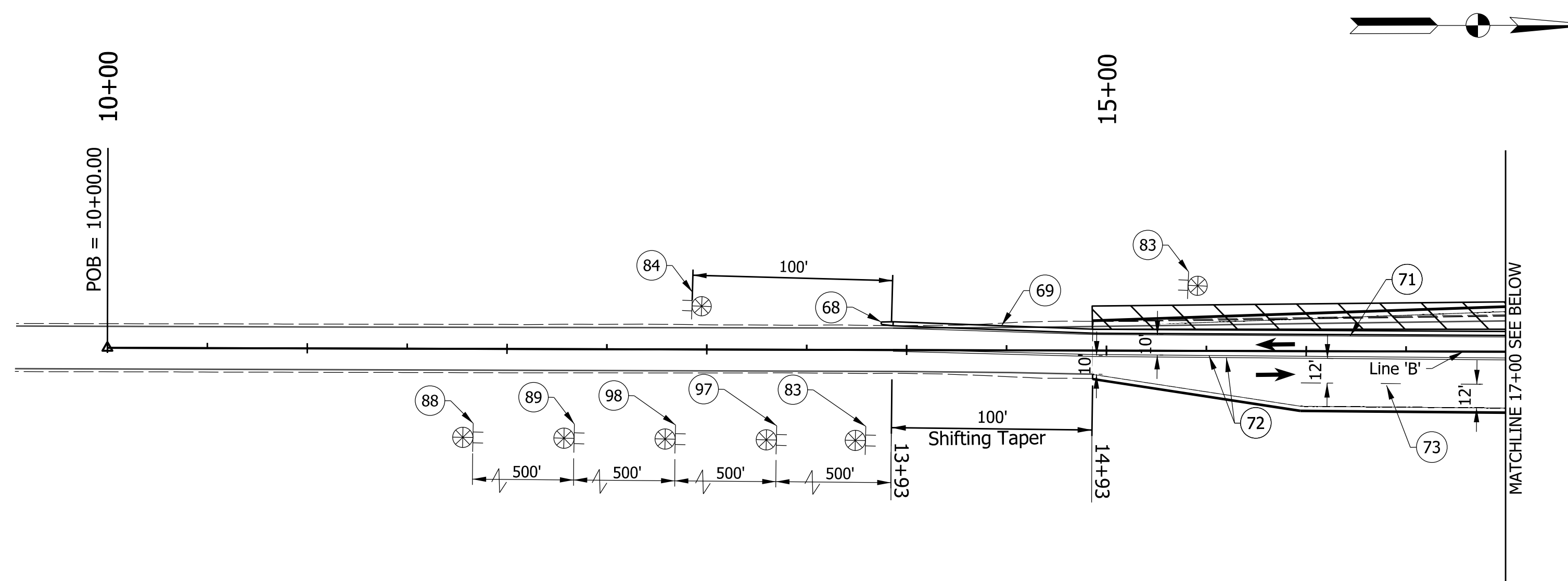
**INDIANA DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PHASE II LINE 'PR-S-1-A'**

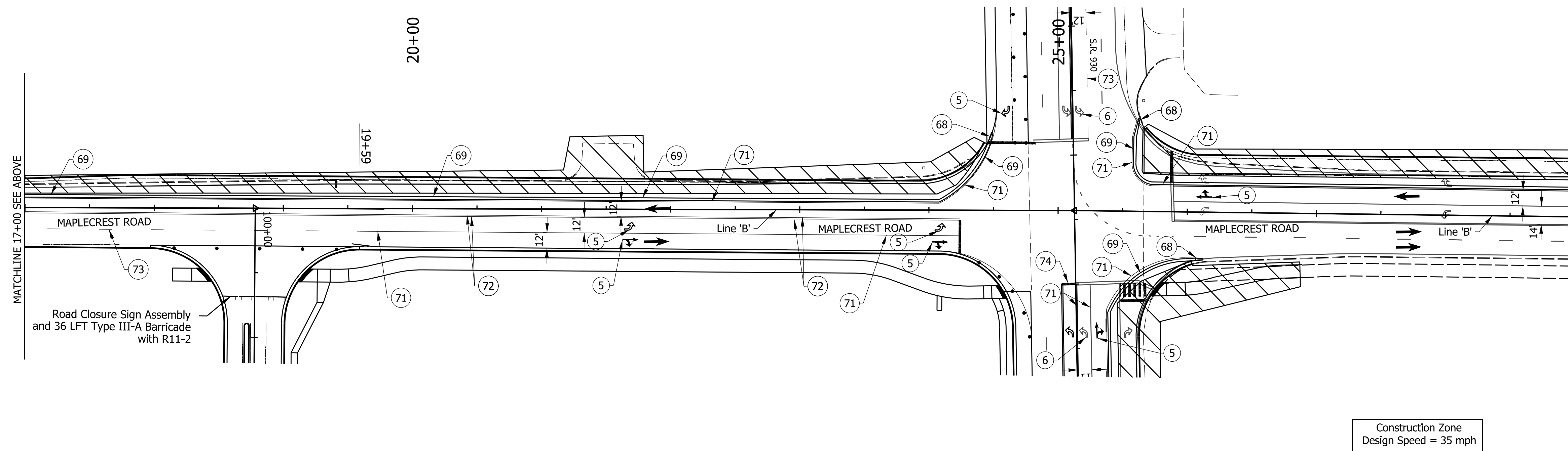
SCALE 1"=50'	ROAD FILE -
	DESIGNATION 1900107
SURVEY BOOK ELECTRONIC	SHEETS 21 of 106
CONTRACT R-42358	PROJECT 1900107

CONSTRUCTION SIGN SCHEDULE	
ITEM	TOTALS
TYPE 'A' SIGN	
XG20-2	1 EACH
XW2-6	1 EACH
XW20-1a	1 EACH
TOTAL TYPE 'A' SIGN	3 EACH
TYPE 'B' SIGN	
R2-1-B	1 EACH
XG20-5-B	2 EACH
XW3-5-B	1 EACH
TOTAL TYPE 'B' SIGN	4 EACH
Temporary Traffic Barrier, Type 2	1,462 LFT
Energy Absorbing Terminal, CZ, TL-2	3 EACH

SIGN LEGEND		
SIGN	DESCRIPTION	SIZE (in x in)
XG20-2	"END CONSTRUCTION" SIGN	60 x 24
XG20-5-B	"WORKSITE" & R2-1-B (30mph) "SPEED LIMIT" SIGN	48 x 16
XW2-6	"SPEEDING MAX \$1000 RECKLESS DRIVING MAX 6 YRS" Sign	60 x 36
XW3-5-B(35)	"SPEED LIMIT 35" SIGN	48 X 48
XW20-1a	"ROAD CONSTRUCTION AHEAD" SIGN	48 x 48
XW20-2	"DETOUR AHEAD" SIGN	48 X 48



- NOTES**
- All signs, barricades, and pavement markings shall conform to the Indiana Manual on Traffic Control Devices for Streets and Highways, 2011 and any current supplements thereto.
  - Contractor shall maintain access to all commercial and private properties during construction.
  - Spacing of channelizing devices on tangents shall be 50' unless otherwise noted.
  - Spacing of channelizing devices on tapers shall be 25' unless otherwise noted.
  - Warning Lights, Type A shall be installed on all construction signs.
  - One week prior to all traffic pattern changes, Contractor shall notify local fire department, police, and ambulance services of work schedule and temporary traffic layouts.



- LEGEND:**
- 5 Temporary Pavement Message Marking, Removable, Lane Indication Arrow
  - 6 Pavement Message Marking, Remove
  - 68 Energy Absorbing Terminal, CZ, TL-2
  - 69 Temporary Traffic Barrier, Type 2
  - 71 Temp. Pavement Marking, Removable, Solid, White, 6in
  - 72 Temp. Pavement Marking, Removable, Solid, Yellow, 6in
  - 73 Temp. Pavement Marking, Removable, Broken, White, 6in
  - 84 XG20-2 'END CONSTRUCTION' Sign
  - 88 XW2-6 'WORKSITE PENALTY ADDED' Sign
  - 89 XW20-1a 'ROAD CONSTRUCTION AHEAD' Sign
  - 97 XG20-5-B 'WORKSITE & R2-1-B(35mph) SPEED LIMIT' Sign
  - 98 XG20-5-B 'WORKSITE & XW3-5-B(35mph) SPEED LIMIT' Sign
  - |— Barricade
  - ▨ Area Under Construction
  - Standard Drum
  - Direction of Traffic
  - ⊗ Type 'A' Construction Warning Light
  - ⊠ Construction Sign

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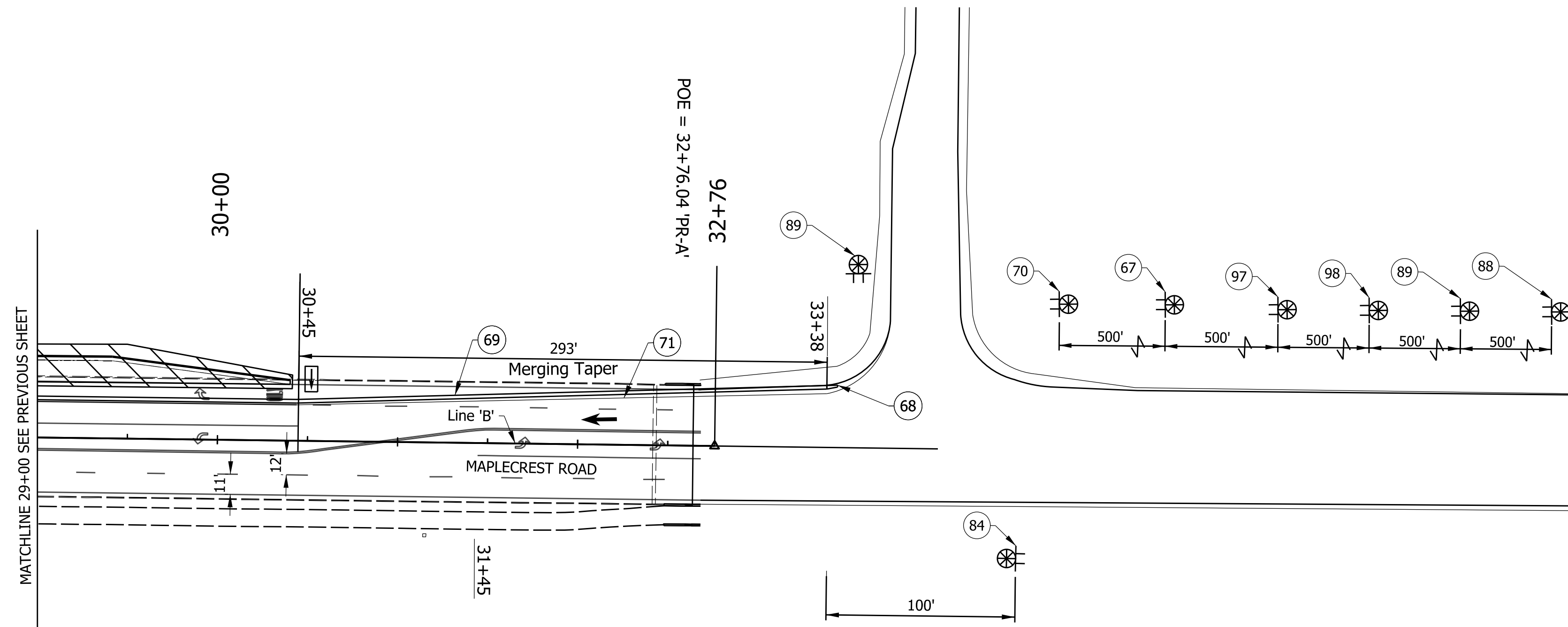


NOT FOR CONSTRUCTION  
DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

INDIANA DEPARTMENT OF TRANSPORTATION	
MAINTENANCE OF TRAFFIC PHASE II LINE 'PR-A'	

SCALE	ROAD FILE
1"=50'	
	DESIGNATION
	1900107
SURVEY BOOK	SHEETS
ELECTRONIC	22 of 106
CONTRACT	PROJECT
R-42358	1900107



CONSTRUCTION SIGN SCHEDULE	
ITEM	TOTALS
TYPE 'A' SIGN	
XG20-2	1 EACH
XW2-6	1 EACH
XW20-1a	2 EACH
TOTAL TYPE 'A' SIGN	4 EACH
TYPE 'B' SIGN	
R2-1-B	1 EACH
XG20-5-B	2 EACH
XW3-5-B	1 EACH
TOTAL TYPE 'B' SIGN	4 EACH
Temporary Traffic Barrier, Type 2	438 LFT
Energy Absorbing Terminal, CZ, TL-2	1 EACH
Flashing Arrow Sign	120 DAYS

SIGN LEGEND		
SIGN	DESCRIPTION	SIZE (in x in)
XG20-2	"END CONSTRUCTION" SIGN	60 x 24
XG20-5-B	"WORKSITE" & R2-1-B (35mph) "SPEED LIMIT" SIGN	48 x 16
XW2-6	"SPEEDING MAX \$1000 RECKLESS DRIVING MAX 6 YRS" Sign	60 x 36
XW3-5-B(35)	"SPEED LIMIT 35" SIGN	48 X 48
XW20-1a	"ROAD CONSTRUCTION AHEAD" SIGN	48 x 48
XW20-2	"DETOUR AHEAD" SIGN	48 X 48

**NOTES**

- All signs, barricades, and pavement markings shall conform to the Indiana Manual on Traffic Control Devices for Streets and Highways, 2011 and any current supplements thereto.
- Contractor shall maintain access to all commercial and private properties during construction.
- Spacing of channelizing devices on tangents shall be 50' unless otherwise noted.
- Spacing of channelizing devices on tapers shall be 25' unless otherwise noted.
- Warning Lights, Type A shall be installed on all construction signs.
- One week prior to all traffic pattern changes, Contractor shall notify local fire department, police, and ambulance services of work schedule and temporary traffic layouts.

**LEGEND:**

- 67 W4-2 'LANE ENDS' Sign
- 68 Energy Absorbing Terminal, CZ, TL-2
- 69 Temporary Traffic Barrier, Type 2
- 70 W20-5 'LANE CLOSED AHEAD' Sign
- 72 Temp. Pavement Marking, Removable, Solid, Yellow, 6in
- 84 XG20-2 'END CONSTRUCTION' Sign
- 88 XW2-6 'WORKSITE PENALTY ADDED' Sign
- 89 XW20-1a 'ROAD CONSTRUCTION AHEAD' Sign
- 97 XG20-5-B 'WORKSITE & R2-1-B(35mph) SPEED LIMIT' Sign
- 98 XG20-5-B 'WORKSITE & XW3-5-B(35mph) SPEED LIMIT' Sign
- Standard Drum
- ➔ Direction of Traffic
- ▨ Area Under Construction
- ➡ Flashing Arrow Sign
- ⊗ Type 'A' Construction Warning Light
- ⊠ Construction Sign

Construction Zone  
Design Speed = 35 mph

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NOT FOR  
CONSTRUCTION  
DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

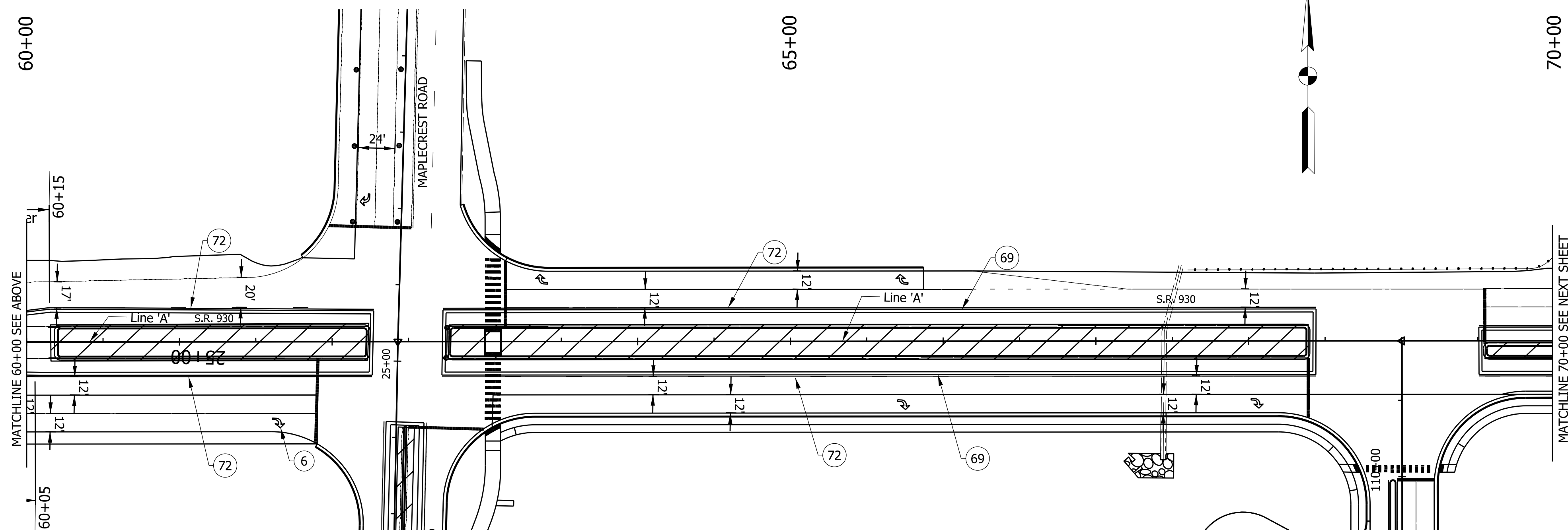
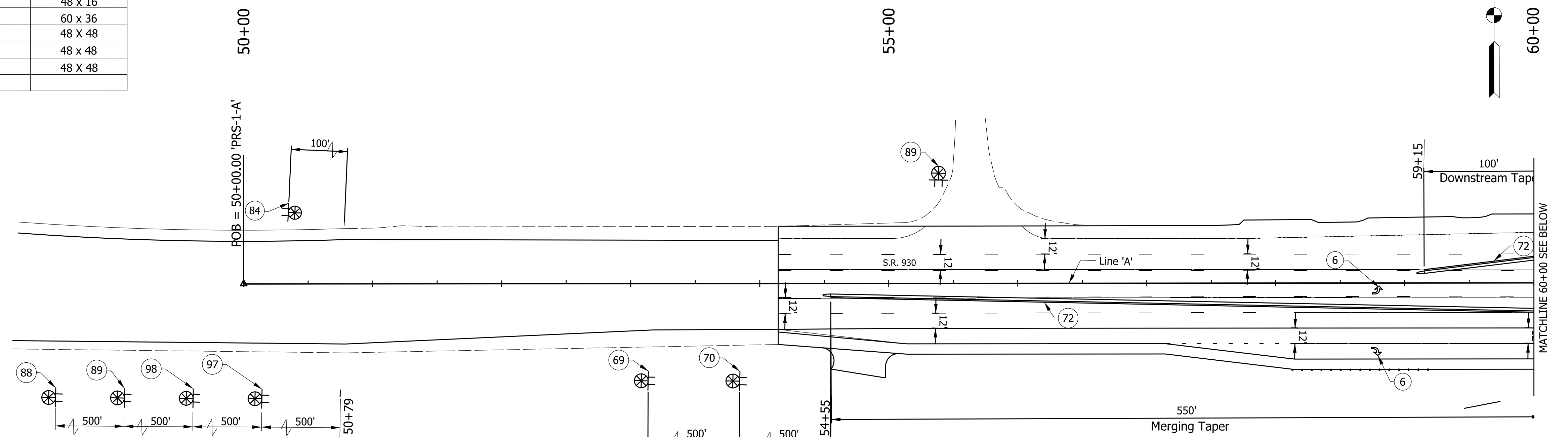
INDIANA  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PHASE II  
LINE 'PR-A'

SCALE 1"=50'	ROAD FILE -
	DESIGNATION 1900107
SURVEY BOOK ELECTRONIC	SHEETS 23 of 106
CONTRACT R-42358	PROJECT 1900107

SIGN LEGEND		
SIGN	DESCRIPTION	SIZE (in x in)
XG20-2	"END CONSTRUCTION" SIGN	60 x 24
XG20-5-B	"WORKSITE" & R2-1-B (35mph) "SPEED LIMIT" SIGN	48 x 16
XW2-6	"SPEEDING MAX \$1000 RECKLESS DRIVING MAX 6 YRS" Sign	60 x 36
XW3-5-B(35)	"SPEED LIMIT 35" SIGN	48 x 48
XW20-1a	"ROAD CONSTRUCTION AHEAD" SIGN	48 x 48
XW20-2	"DETOUR AHEAD" SIGN	48 x 48

CONSTRUCTION SIGN SCHEDULE	
ITEM	TOTALS
TYPE 'A' SIGN	
XG20-2	1 EACH
XW2-6	1 EACH
XW20-1a	2 EACH
TOTAL TYPE 'A' SIGN	4 EACH
TYPE 'B' SIGN	
R2-1-B	1 EACH
XG20-5-B	2 EACH
XW3-5-B	1 EACH
TOTAL TYPE 'B' SIGN	4 EACH
Temporary Traffic Barrier, Type 2	2,482 LFT
Energy Absorbing Terminal, CZ, TL-2	1 EACH



- NOTES**
- All signs, barricades, and pavement markings shall conform to the Indiana Manual on Traffic Control Devices for Streets and Highways, 2011 and any current supplements thereto.
  - Contractor shall maintain access to all commercial and private properties during construction.
  - Spacing of channelizing devices on tangents shall be 50' unless otherwise noted.
  - Spacing of channelizing devices on tapers shall be 25' unless otherwise noted.
  - Warning Lights, Type A shall be installed on all construction signs.
  - One week prior to all traffic pattern changes, Contractor shall notify local fire department, police, and ambulance services of work schedule and temporary traffic layouts.

- LEGEND:**
- 6 Pavement Message Marking, Remove
  - 67 W4-2 'LANE ENDS' Sign
  - 69 Temporary Traffic Barrier, Type 2
  - 70 W20-5 'LANE CLOSED AHEAD' Sign
  - 72 Temp. Pavement Marking, Removable, Solid, Yellow, 6in
  - 84 XG20-2 'END CONSTRUCTION' Sign
  - 88 XW2-6 'WORKSITE PENALTY ADDED' Sign
  - 89 XW20-1a 'ROAD CONSTRUCTION AHEAD' Sign
  - 97 XG20-5-B 'WORKSITE & R2-1-B(35mph) SPEED LIMIT' Sign
  - 98 XG20-5-B 'WORKSITE & XW3-5-B(35mph) SPEED LIMIT' Sign
  - Area Under Construction
  - Standard Drum
  - Direction of Traffic
  - Type 'A' Construction Warning Light
  - Construction Sign

Construction Zone  
Design Speed = 35 mph

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NOT FOR CONSTRUCTION  
DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

INDIANA DEPARTMENT OF TRANSPORTATION  
MAINTENANCE OF TRAFFIC PHASE III  
LINE 'PR-S-1-A'

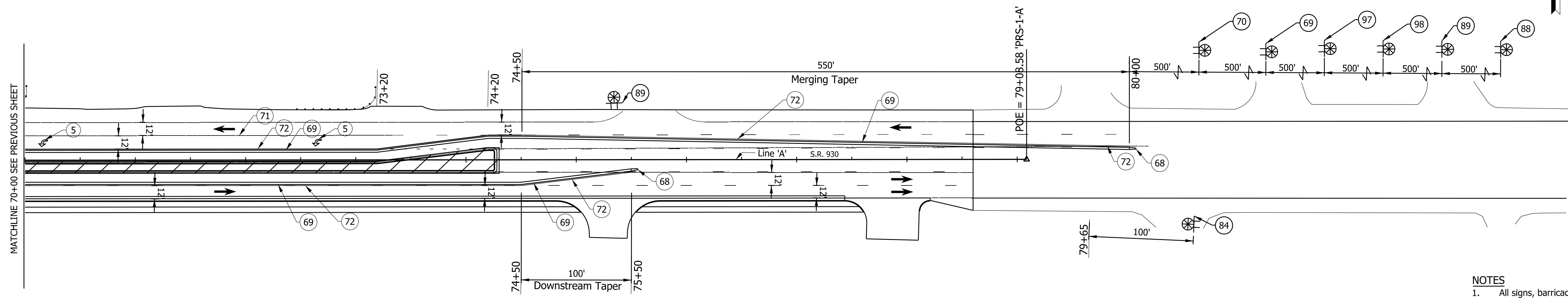
SCALE 1"=50'	ROAD FILE
	DESIGNATION 1900107
SURVEY BOOK ELECTRONIC	SHEETS 24 of 106
CONTRACT R-42358	PROJECT 1900107



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70+00

75+00



MATCHLINE 70+00 SEE PREVIOUS SHEET

**CONSTRUCTION SIGN SCHEDULE**

ITEM	TOTALS
<b>TYPE 'A' SIGN</b>	
XG20-2	1 EACH
XW2-6	1 EACH
XW20-1a	2 EACH
TOTAL TYPE 'A' SIGN	4 EACH
<b>TYPE 'B' SIGN</b>	
R2-1-B	1 EACH
XG20-5-B	2 EACH
XW3-5-B	1 EACH
TOTAL TYPE 'B' SIGN	4 EACH
Temporary Traffic Barrier, Type 2	1,554 LFT
Energy Absorbing Terminal, CZ, TL-2	2 EACH

**SIGN LEGEND**

SIGN	DESCRIPTION	SIZE (in x in)
XG20-2	"END CONSTRUCTION" SIGN	60 x 24
XG20-5-B	"WORKSITE" & R2-1-B (35mph) "SPEED LIMIT" SIGN	48 x 16
XW2-6	"SPEEDING MAX \$1000 RECKLESS DRIVING MAX 6 YRS" SIGN	60 x 36
XW3-5-B(35)	"SPEED LIMIT 35" SIGN	48 X 48
XW20-1a	"ROAD CONSTRUCTION AHEAD" SIGN	48 x 48
XW20-2	"DETOUR AHEAD" SIGN	48 X 48

**NOTES**

- All signs, barricades, and pavement markings shall conform to the Indiana Manual on Traffic Control Devices for Streets and Highways, 2011 and any current supplements thereto.
- Contractor shall maintain access to all commercial and private properties during construction.
- Spacing of channelizing devices on tangents shall be 50' unless otherwise noted.
- Spacing of channelizing devices on tapers shall be 25' unless otherwise noted.
- Warning Lights, Type A shall be installed on all construction signs.
- One week prior to all traffic pattern changes, Contractor shall notify local fire department, police, and ambulance services of work schedule and temporary traffic layouts.

**LEGEND:**

- 5 Temporary Pavement Message Marking, Removable, Lane Indication Arrow
- 67 W4-2 'LANE ENDS' Sign
- 68 Energy Absorbing Terminal, CZ, TL-2
- 69 Temporary Traffic Barrier, Type 2
- 70 W20-5 'LANE CLOSED AHEAD' Sign
- 71 Temp. Pavement Marking, Removable, Solid, White, 6in
- 72 Temp. Pavement Marking, Removable, Solid, Yellow, 6in
- 84 XG20-2 'END CONSTRUCTION' Sign
- 88 XW2-6 'WORKSITE PENALTY ADDED' Sign
- 89 XW20-1a 'ROAD CONSTRUCTION AHEAD' Sign
- 97 XG20-5-B 'WORKSITE & R2-1-B(35mph) SPEED LIMIT' Sign
- 98 XG20-5-B 'WORKSITE & XW3-5-B(35mph) SPEED LIMIT' Sign
- [Hatched Box] Area Under Construction
- Standard Drum
- ➔ Direction of Traffic
- ⊗ Type 'A' Construction Warning Light
- [Crossed Box] Construction Sign

Construction Zone  
Design Speed = 35 mph

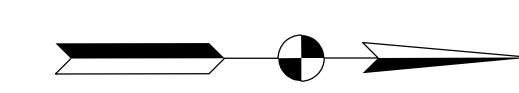


**NOT FOR CONSTRUCTION**  
DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

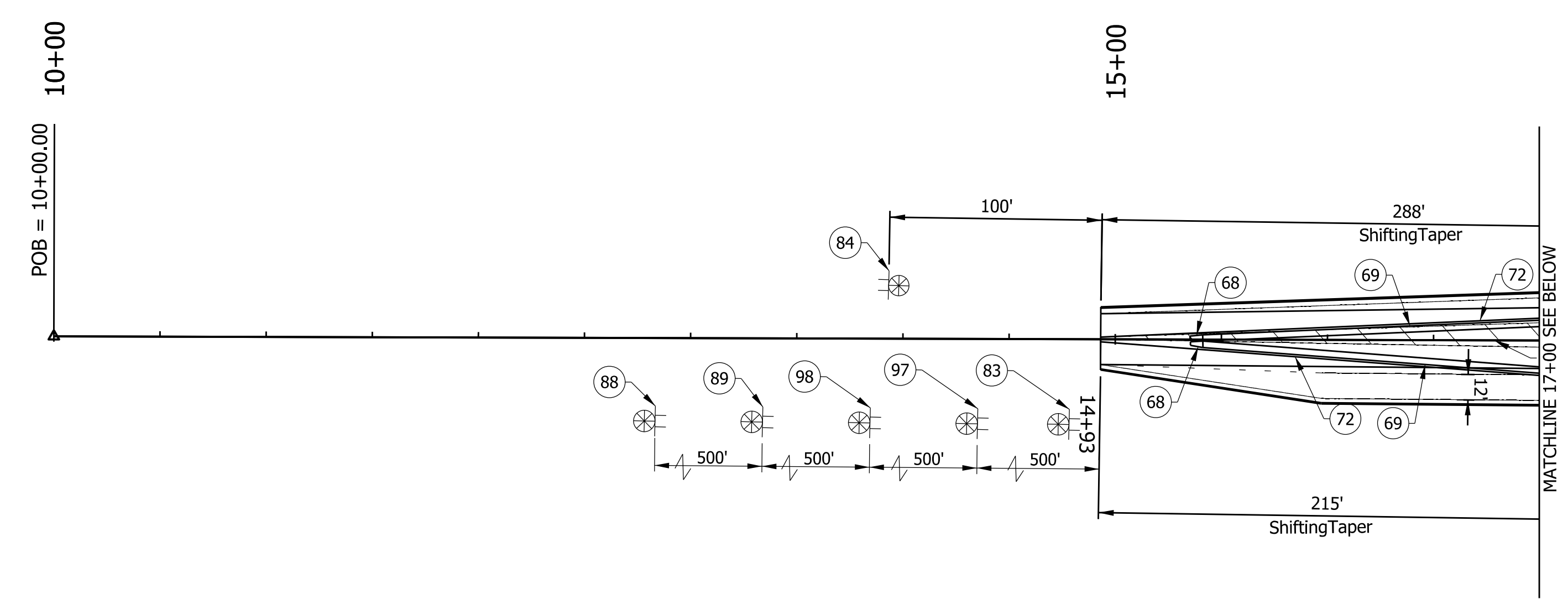
**INDIANA DEPARTMENT OF TRANSPORTATION**  
**MAINTENANCE OF TRAFFIC PHASE III LINE 'PR-S-1-A'**

SCALE 1"=50'	ROAD FILE -
	DESIGNATION 1900107
SURVEY BOOK ELECTRONIC	SHEETS 25 of 106
CONTRACT R-42358	PROJECT 1900107



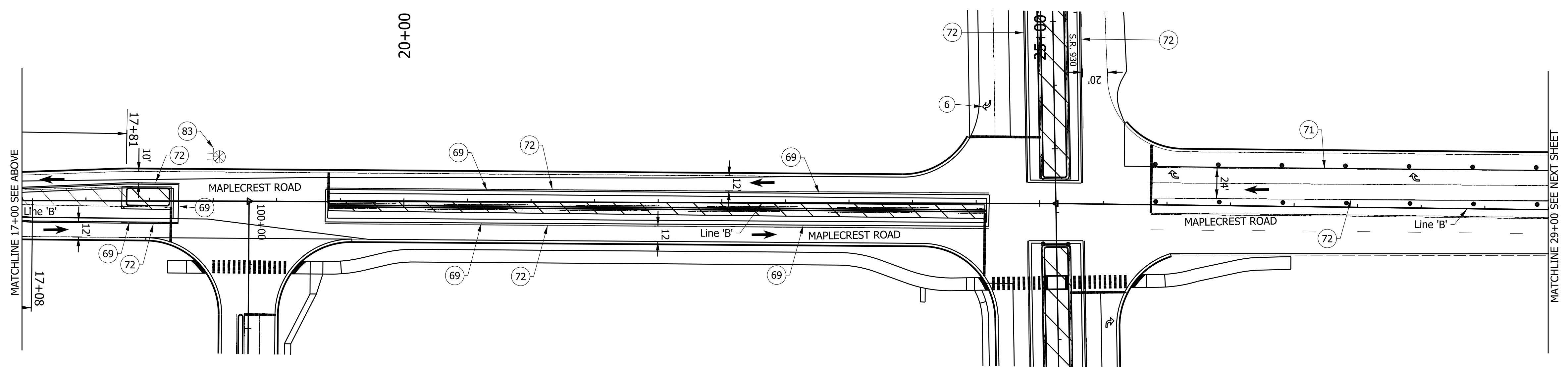
CONSTRUCTION SIGN SCHEDULE	
ITEM	TOTALS
TYPE 'A' SIGN	
XG20-2	1 EACH
XW2-6	1 EACH
XW20-1a	1 EACH
TOTAL TYPE 'A' SIGN	3 EACH
TYPE 'B' SIGN	
R2-1-B	1 EACH
XG20-5-B	2 EACH
XW3-5-B	1 EACH
TOTAL TYPE 'B' SIGN	4 EACH
Temporary Traffic Barrier, Type 2	1,370 LFT
Energy Absorbing Terminal, CZ, TL-2	2 EACH

SIGN LEGEND		
SIGN	DESCRIPTION	SIZE (in x in)
XG20-2	"END CONSTRUCTION" SIGN	60 x 24
XG20-5-B	"WORKSITE" & R2-1-B (35mph) "SPEED LIMIT" SIGN	48 x 16
XW2-6	"SPEEDING MAX \$1000 RECKLESS DRIVING MAX 6 YRS" Sign	60 x 36
XW3-5-B(35)	"SPEED LIMIT 35" SIGN	48 X 48
XW20-1a	"ROAD CONSTRUCTION AHEAD" SIGN	48 x 48
XW20-2	"DETOUR AHEAD" SIGN	48 X 48



- NOTES**
- All signs, barricades, and pavement markings shall conform to the Indiana Manual on Traffic Control Devices for Streets and Highways, 2011 and any current supplements thereto.
  - Contractor shall maintain access to all commercial and private properties during construction.
  - Spacing of channelizing devices on tangents shall be 50' unless otherwise noted.
  - Spacing of channelizing devices on tapers shall be 25' unless otherwise noted.
  - Warning Lights, Type A shall be installed on all construction signs.
  - One week prior to all traffic pattern changes, Contractor shall notify local fire department, police, and ambulance services of work schedule and temporary traffic layouts.

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- LEGEND:**
- 6 Pavement Message Marking, Remove
  - 69 Temporary Traffic Barrier, Type 2
  - 71 Temp. Pavement Marking, Removable, Solid, White, 6in
  - 72 Temp. Pavement Marking, Removable, Solid, Yellow, 6in
  - 84 XG20-2 'END CONSTRUCTION' Sign
  - 88 XW2-6 'WORKSITE PENALTY ADDED' Sign
  - 89 XW20-1a 'ROAD CONSTRUCTION AHEAD' Sign
  - 97 XG20-5-B 'WORKSITE & R2-1-B(35mph) SPEED LIMIT' Sign
  - 98 XG20-5-B 'WORKSITE & XW3-5-B(35mph) SPEED LIMIT' Sign
  - Area Under Construction
  - Standard Drum
  - Direction of Traffic
  - Type 'A' Construction Warning Light
  - Construction Sign

Construction Zone  
Design Speed = 35 mph

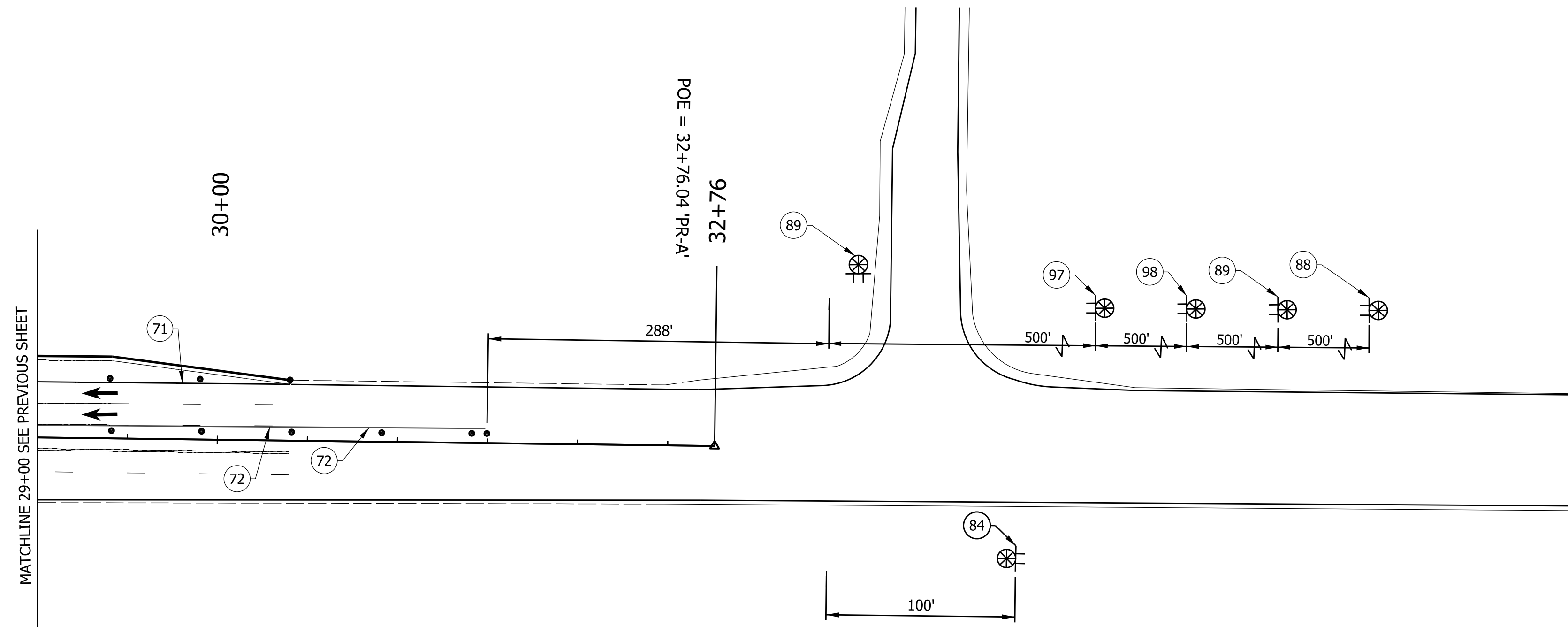


NOT FOR CONSTRUCTION  
DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

INDIANA DEPARTMENT OF TRANSPORTATION  
MAINTENANCE OF TRAFFIC PHASE III  
LINE 'PR-A'

SCALE 1"=50'	ROAD FILE
	DESIGNATION 1900107
SURVEY BOOK ELECTRONIC	SHEETS 26 of 106
CONTRACT R-42358	PROJECT 1900107



CONSTRUCTION SIGN SCHEDULE	
ITEM	TOTALS
TYPE 'A' SIGN	
XG20-2	1 EACH
XW2-6	1 EACH
XW20-1a	2 EACH
TOTAL TYPE 'A' SIGN	4 EACH
TYPE 'B' SIGN	
R2-1-B	1 EACH
XG20-5-B	2 EACH
XW3-5-B	1 EACH
TOTAL TYPE 'B' SIGN	4 EACH

SIGN LEGEND		
SIGN	DESCRIPTION	SIZE (in x in)
XG20-2	"END CONSTRUCTION" SIGN	60 x 24
XG20-5-B	"WORKSITE" & R2-1-B (35mph) "SPEED LIMIT" SIGN	48 x 16
XW2-6	"SPEEDING MAX \$1000 RECKLESS DRIVING MAX 6 YRS" Sign	60 x 36
XW3-5-B(35)	"SPEED LIMIT 35" SIGN	48 X 48
XW20-1a	"ROAD CONSTRUCTION AHEAD" SIGN	48 x 48
XW20-2	"DETOUR AHEAD" SIGN	48 X 48

**NOTES**

- All signs, barricades, and pavement markings shall conform to the Indiana Manual on Traffic Control Devices for Streets and Highways, 2011 and any current supplements thereto.
- Contractor shall maintain access to all commercial and private properties during construction.
- Spacing of channelizing devices on tangents shall be 50' unless otherwise noted.
- Spacing of channelizing devices on tapers shall be 25' unless otherwise noted.
- Warning Lights, Type A shall be installed on all construction signs.
- One week prior to all traffic pattern changes, Contractor shall notify local fire department, police, and ambulance services of work schedule and temporary traffic layouts.

**LEGEND:**

- (71) Temp. Pavement Marking, Removable, Solid, White, 6in
- (72) Temp. Pavement Marking, Removable, Solid, Yellow, 6in
- (84) XG20-2 'END CONSTRUCTION' Sign
- (88) XW2-6 'WORKSITE PENALTY ADDED' Sign
- (89) XW20-1a 'ROAD CONSTRUCTION AHEAD' Sign
- (97) XG20-5-B 'WORKSITE & R2-1-B(35mph) SPEED LIMIT' Sign
- (98) XG20-5-B 'WORKSITE & XW3-5-B(35mph) SPEED LIMIT' Sign
- Area Under Construction
- Standard Drum
- Direction of Traffic
- Type 'A' Construction Warning Light
- Construction Sign

Construction Zone  
Design Speed = 35 mph

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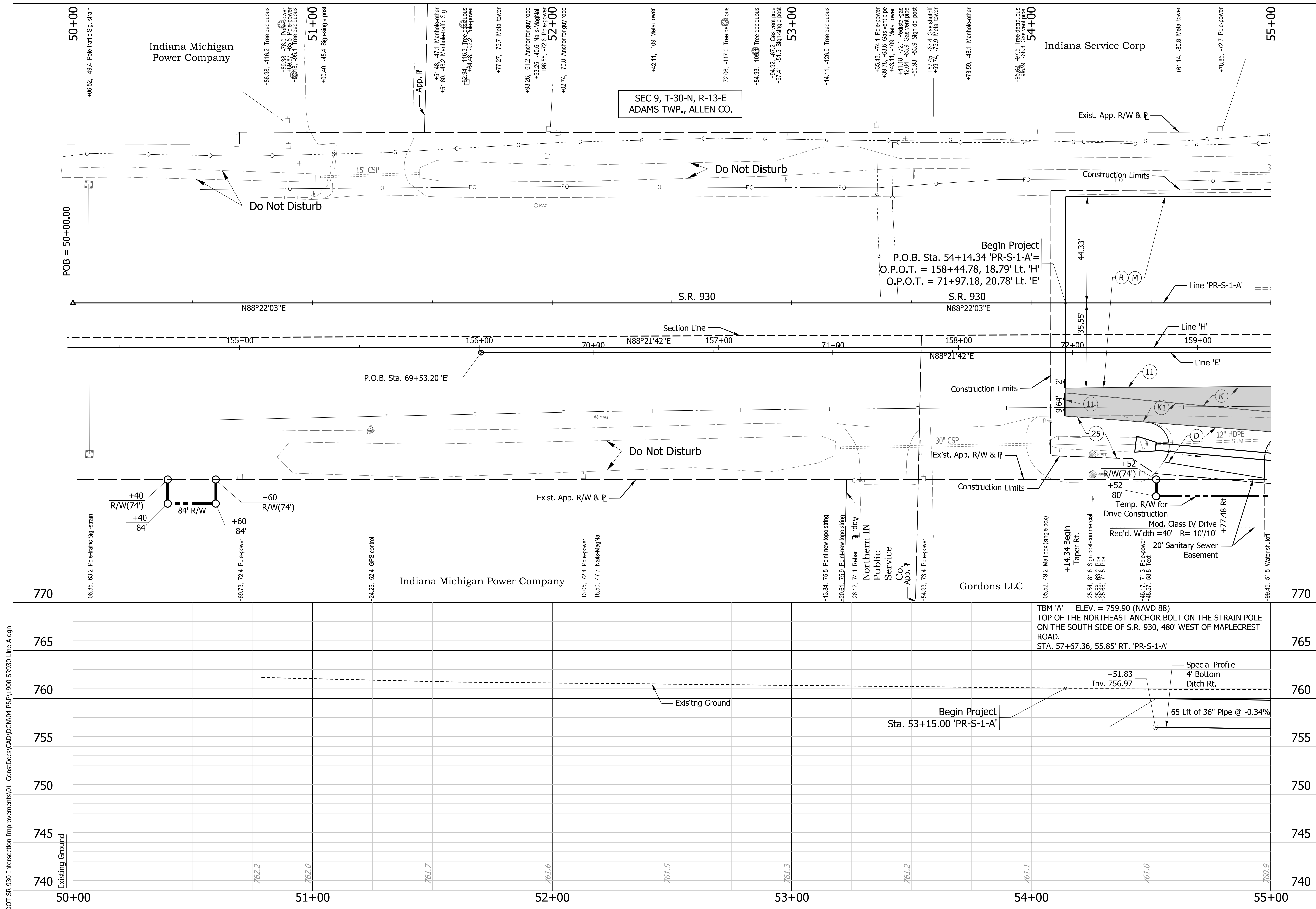
NOT FOR  
CONSTRUCTION  
DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

INDIANA  
DEPARTMENT OF TRANSPORTATION  
  
MAINTENANCE OF TRAFFIC PHASE III  
LINE 'PR-A'

SCALE 1"=50'	ROAD FILE -
	DESIGNATION 1900107
SURVEY BOOK ELECTRONIC	SHEETS 27 of 106
CONTRACT R-42358	PROJECT 1900107

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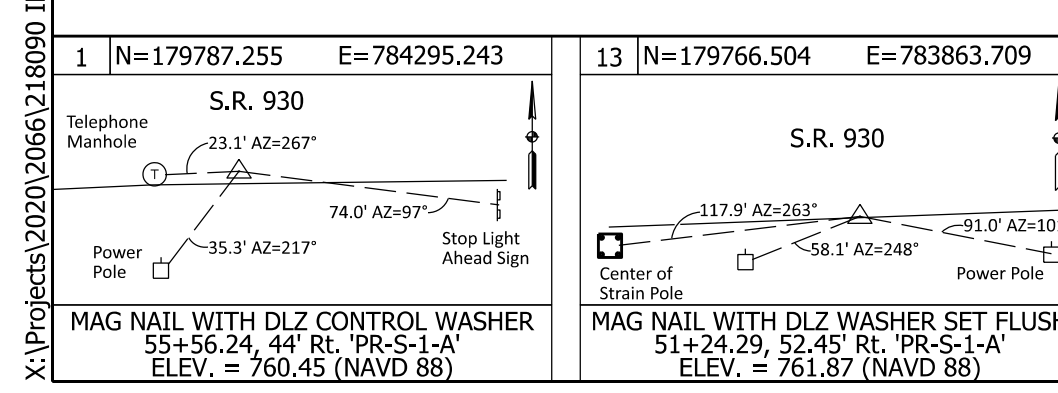


**Notes:**

- All R/W and existing topography described from Line "PR-S-1-A."

**LEGEND:**

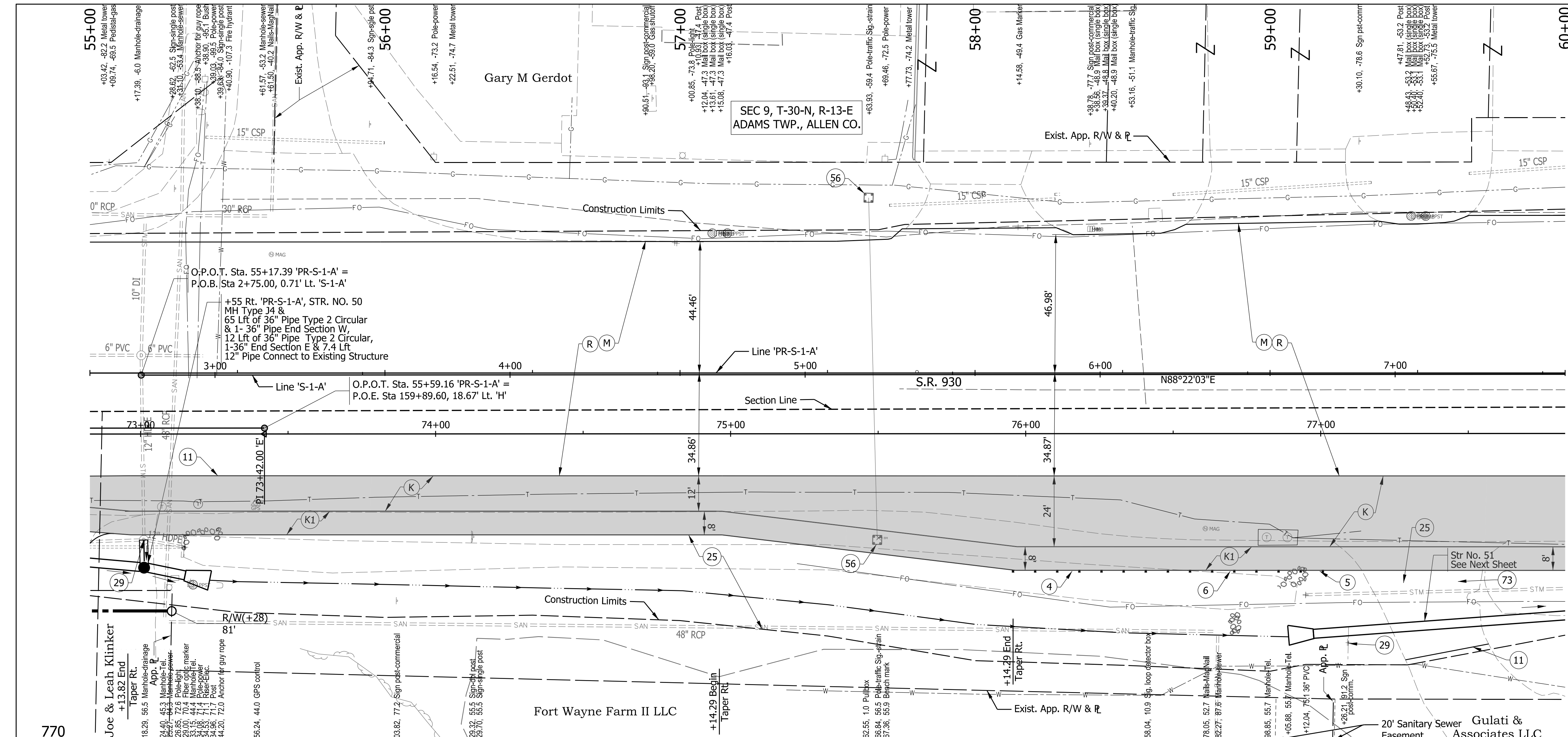
- (D) HMA for Approaches, Type B  
165 lb/syd HMA Surface Type B, on  
275 lb/syd HMA Intermediate Type B, on  
660 lb/syd HMA Base, Type B, on  
Subgrade Treatment Type II, on  
Geogrid, Type 1B
- (K) Mainline Pavement Section  
165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm on  
275 lb/syd QC/QA-HMA, 3, 70, Intermediate, 19.0 mm on  
990 lb/syd QC/QA-HMA, 3, 64, Base, 25.0 mm on  
300 lb/syd QC/QA-HMA, 4, 76, Intermediate, OG, 19.0 mm on  
4" Compacted Aggregate, No. 53, on  
Subgrade Treatment, Type IC, on  
Geotextile For Pavement, Type 2A
- (K1) Shoulder Pavement Section  
165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm on  
275 lb/syd QC/QA-HMA, 3, 70, Intermediate, 19.0 mm on  
440 lb/syd QC/QA-HMA, 3, 64, Base, 25.0 mm on  
12" Compacted Aggregate, No. 53, on  
Subgrade Treatment, Type IC
- (M) Milling, Asphalt, 1 1/2 IN.
- (R) 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5mm  
Sawcut
- (11) Seed Mixture, U
- (73) Pavement Removal



RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

INDIANA DEPARTMENT OF TRANSPORTATION  
**PLAN AND PROFILE LINE 'PR-S-1-A'**

SCALE	ROAD FILE
Horizontal Scale: 1"=20'	
Vertical Scale: 1"=5'	DESIGNATION
	1900107
SURVEY BOOK	SHEETS
ELECTRONIC	28 of 106
CONTRACT	PROJECT
R-42358	1900107

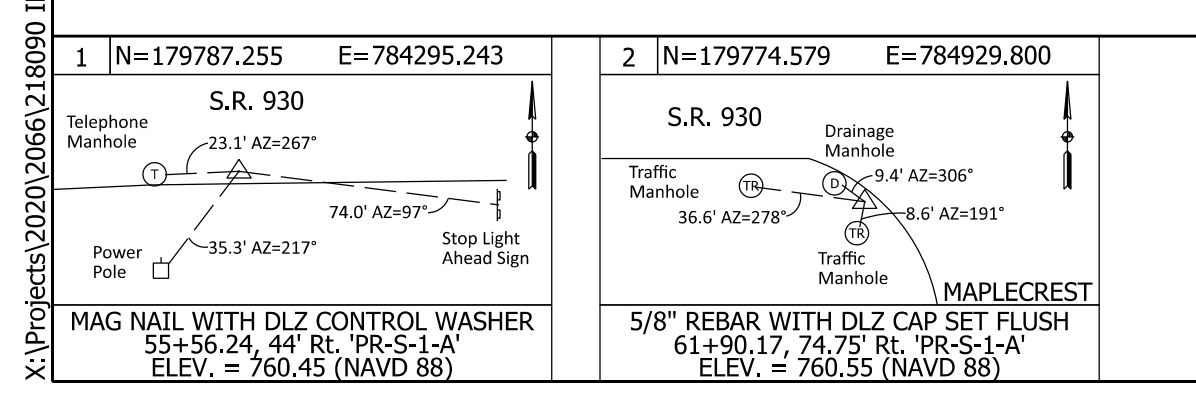
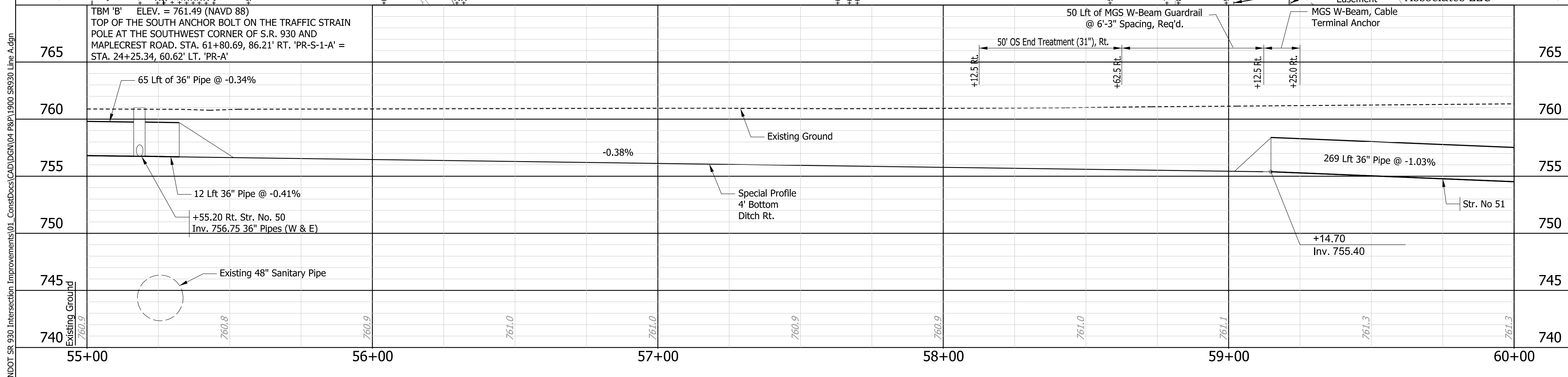


**Notes:**

- 1. All R/W and existing topography described from Line "PR-S-1-A."

**LEGEND:**

- (K) Mainline Pavement Section  
165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm on 275 lb/syd QC/QA-HMA, 3, 70, Intermediate, 19.0 mm on 990 lb/syd QC/QA-HMA, 3, 64, Base, 25.0 mm on 300 lb/syd QC/QA-HMA, 4, 76, Intermediate, OG, 19.0 mm on 4" Compacted Aggregate, No. 53, on Subgrade Treatment, Type IC, on Geotextile For Pavement, Type 2A
- (K1) Shoulder Pavement Section  
165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm on 275 lb/syd QC/QA-HMA, 3, 70, Intermediate, 19.0 mm on 440 lb/syd QC/QA-HMA, 3, 64, Base, 25.0 mm on 12" Compacted Aggregate, No. 53, on Subgrade Treatment, Type IC
- (M) Milling, Asphalt, 1 1/2 IN.
- (R) 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5mm
- (4) Guardrail, End Treatment, Type OS
- (5) Guardrail, MGS, W-Beam, Cable Terminal Anchor
- (6) Guardrail, W-Beam, MGS 6'-3" Spacing
- (11) Sawcut
- (25) Seed Mixture, U
- (29) Remove
- (56) Sign, Sheets, and Supports, Remove
- (73) Pavement Removal



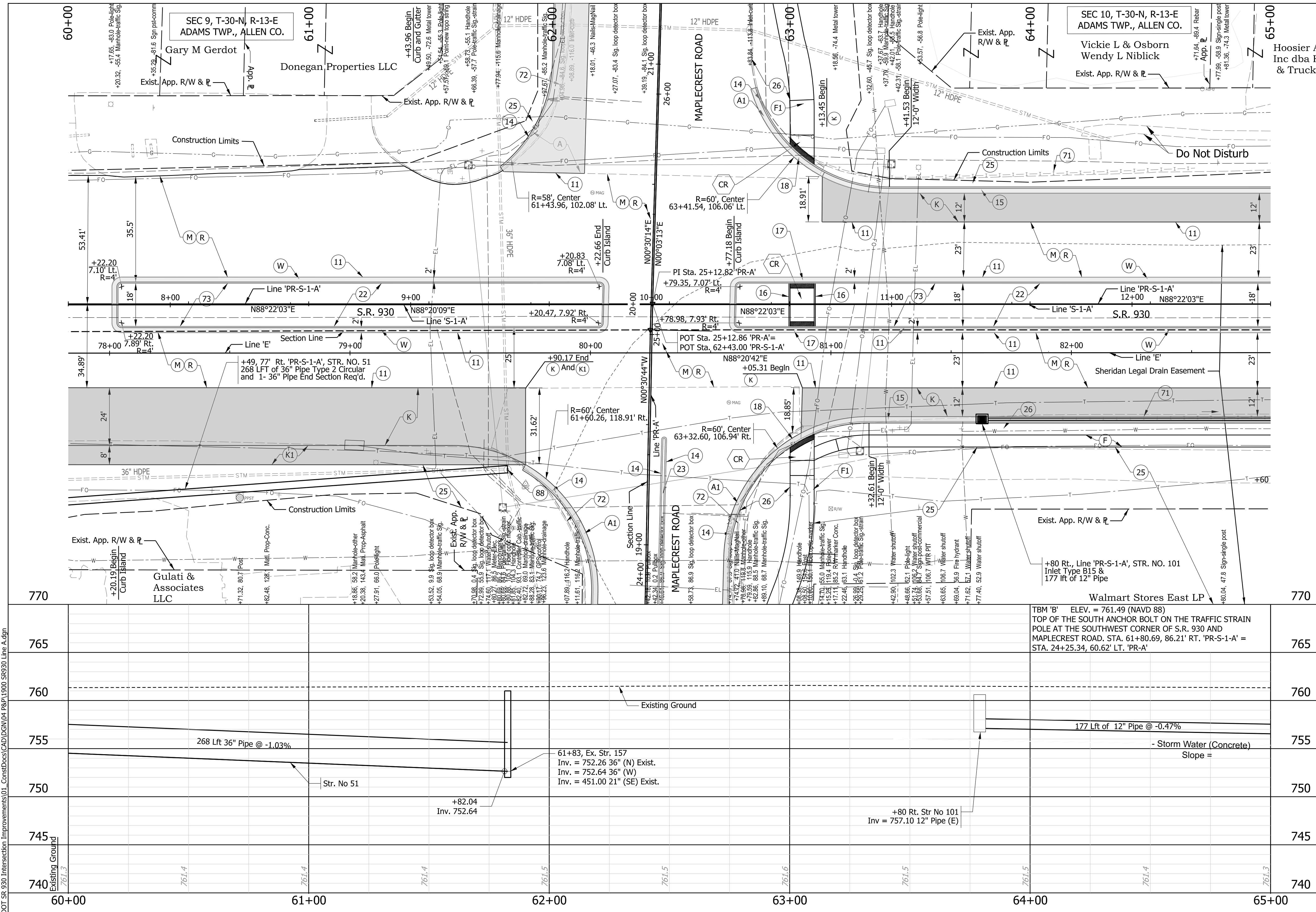
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

**INDIANA DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE LINE 'PR-S-1-A'**

SCALE	ROAD FILE
Horizontal Scale: 1"=20'	
Vertical Scale: 1"=5'	DESIGNATION
	1900107
SURVEY BOOK	SHEETS
ELECTRONIC	29 of 106
CONTRACT	PROJECT
R-42358	1900107

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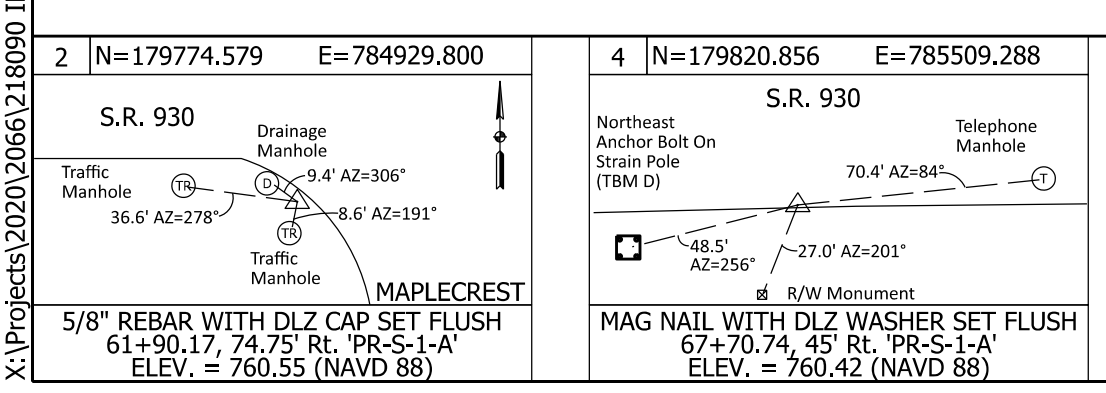
**Notes:**

- 1. All R/W and existing topography described from Line "PR-S-1-A."

**LEGEND:**

- (A) 12" QC/QA-PCCP (with 18" D-1 Contraction Joint Spacing and 1.5" diameter dowels) on Subbase for PCPP, on Subgrade Treatment, Type IC
- (F) Sidewalk, Concrete, 4"
- (F1) PCCP, 4", on 4" Compacted Aggregate No. 53, on Subgrade Treatment, Type III
- (K) Mainline Pavement Section 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm on 275 lb/syd QC/QA-HMA, 3, 70, Intermediate, 19.0 mm on 990 lb/syd QC/QA-HMA, 3, 64, Base, 25.0 mm on 300 lb/syd QC/QA-HMA, 4, 76, Intermediate, OG, 19.0 mm on 4" Compacted Aggregate, No. 53, on Geotextile For Pavement, Type 2A
- (K1) Shoulder Pavement Section 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm on 275 lb/syd QC/QA-HMA, 3, 70, Intermediate, 19.0 mm on 440 lb/syd QC/QA-HMA, 3, 64, Base, 25.0 mm on 12" Compacted Aggregate, No. 53, on Subgrade Treatment, Type IC
- (M) Milling, Asphalt, 1 1/2 IN.
- (R) 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5mm
- (W) Widening with HMA, Type C Consisting of: 165 lb/syd HMA Surface, Type C, on 275 lb/syd HMA Intermediate, Type C, on 990 lb/syd HMA Base, Type C, on 4" Compacted Aggregate, No. 53, on Subgrade Treatment, Type IC
- (11) Sawcut
- (14) Curb, Integral Concrete
- (15) Curb and Gutter, Concrete
- (16) Curb, Concrete
- (17) Curb, Concrete, Depressed
- (18) Curb and Gutter, Concrete Depressed
- (22) Center Curb, D Concrete, on 6" Compacted Aggregate, No. 53
- (23) Center Curb, Type D Concrete
- (25) Seed Mixture, U
- (26) Sodding
- (28) Pipe, Remove
- (56) Sign, Sheets, and Supports, Remove
- (71) Guardrail Removal
- (72) Curb and Gutter, Remove
- (73) Pavement Removal
- (88) Casting, Manhole, Adjust to Grade
- (CR) Concrete Curb Ramp See Details on Sheet 42

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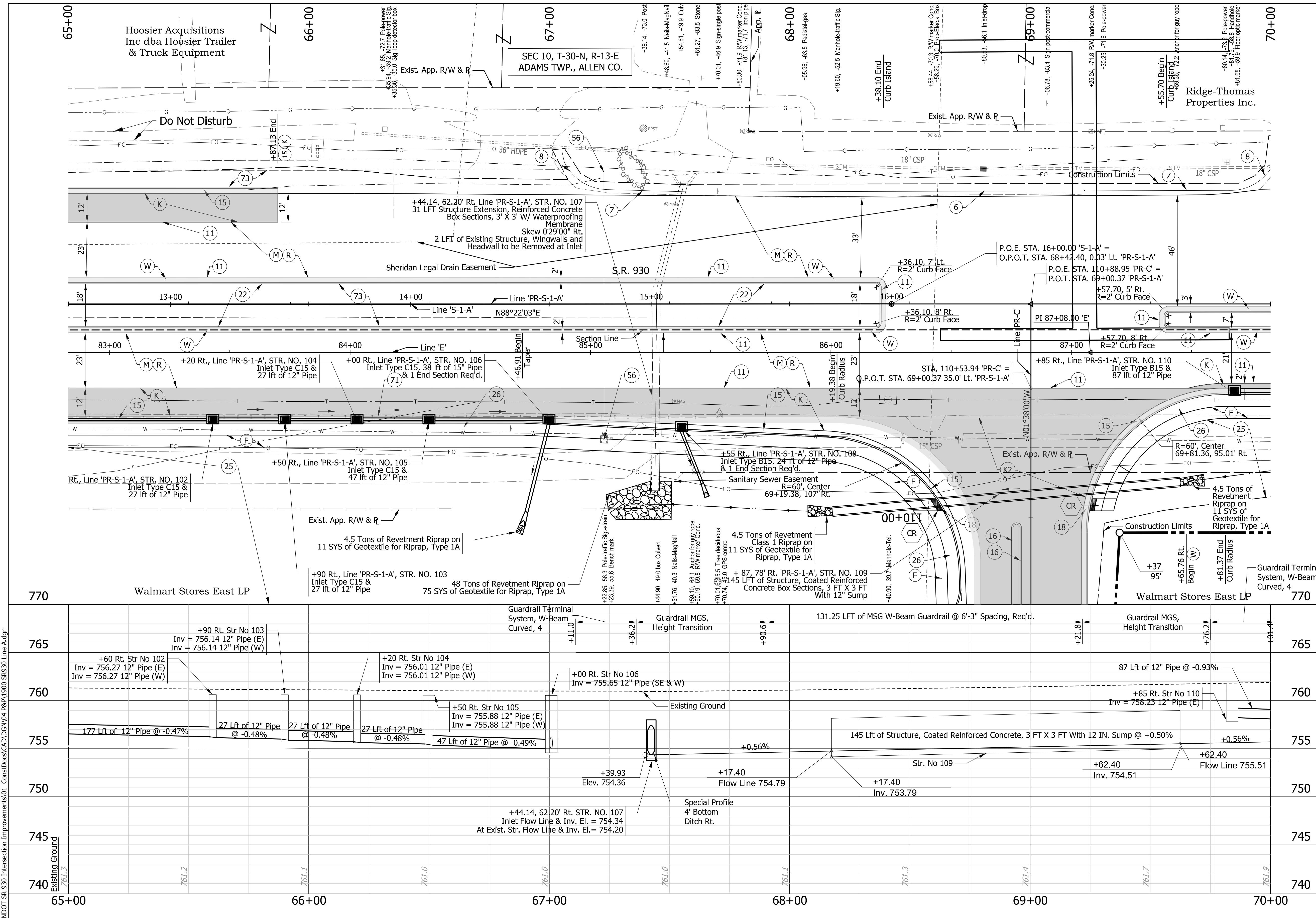


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

**INDIANA DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE LINE 'PR-S-1-A'**

SCALE	ROAD FILE
Horizontal Scale: 1"=20'	
Vertical Scale: 1"=5'	DESIGNATION
	1900107
SURVEY BOOK	SHEETS
ELECTRONIC	30 of 106
CONTRACT	PROJECT
R-42358	1900107



**Notes:**  
 1. All R/W and existing topography described from Line "PR-S-1-A."

- LEGEND:**
- (F) Concrete Sidewalk, 4"
  - (K) Mainline Pavement Section  
 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm on  
 275 lb/syd QC/QA-HMA, 3, 70, Intermediate, 19.0 mm on  
 990 lb/syd QC/QA-HMA, 3, 64, Base, 25.0 mm on  
 300 lb/syd QC/QA-HMA, 4, 76, Intermediate, OG, 19.0 mm on  
 4" Compacted Aggregate, No. 53, on  
 Subgrade Treatment, Type 1C, on  
 Geotextile For Pavement, Type 2A
  - (K2) Mainline Pavement Section  
 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm on  
 275 lb/syd QC/QA-HMA, 3, 70, Intermediate, 19.0 mm on  
 770 lb/syd QC/QA-HMA, 3, 64, Base, 25.0 mm on  
 300 lb/syd QC/QA-HMA, 4, 76, Intermediate, OG, 19.0 mm on  
 4" Compacted Aggregate, No. 53, on  
 Subgrade Treatment, Type 1C, on  
 Geotextile For Pavement, Type 2A
  - (M) Milling, Asphalt, 1 1/2 IN.
  - (R) 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5mm  
 Widening with HMA, Type C Consisting of:  
 165 lb/syd HMA Surface, Type C, on  
 275 lb/syd HMA Intermediate, Type C, on  
 990 lb/syd HMA Base, Type C, on  
 4" Compacted Aggregate, No. 53, on  
 Subgrade Treatment, Type 1C
  - (W) 5 Guardrail, MGS, W-Beam, Cable Terminal Anchor
  - (7) Guardrail, MGS, Height Transition
  - (8) Guardrail, Terminal System, W-Beam Curved, 4
  - (11) Sawcut
  - (15) Curb and Gutter, Concrete
  - (16) Curb, Concrete
  - (18) Curb and Gutter, Concrete Depressed
  - (22) Center Curb, D Concrete, on  
 6" Compacted Aggregate, No. 53
  - (25) Seed Mixture, U
  - (26) Sodding
  - (56) Sign, Sheets, and Supports,  
 Remove  
 Guardrail Removal
  - (71) Pavement Removal
  - (CR) Concrete Curb Ramp  
 See Details on Sheet 43

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4 | N=179820.856 E=785509.288  
 S.R. 930  
 Telephone  
 Manhole  
 70.4' AD=84'  
 48.5'  
 42x56'  
 23.0' AZ=201'  
 MAG NAIL WITH DLZ WASHER SET FLUSH  
 67+70.74, 45 Rt. 'PR-S-1-A'  
 ELEV. = 760.42 (NAVD 88)

TBM 'D' ELEV. = 759.59 (NAVD 88)  
 TOP OF THE NORTHEAST ANCHOR BOLT ON THE STRAIN POLE  
 ON THE SOUTH SIDE OF S.R. 930, 470' EAST OF MAPLECREST  
 ROAD.  
 STA. 67+23.39, 55.57 RT. 'PR-S-1-A'



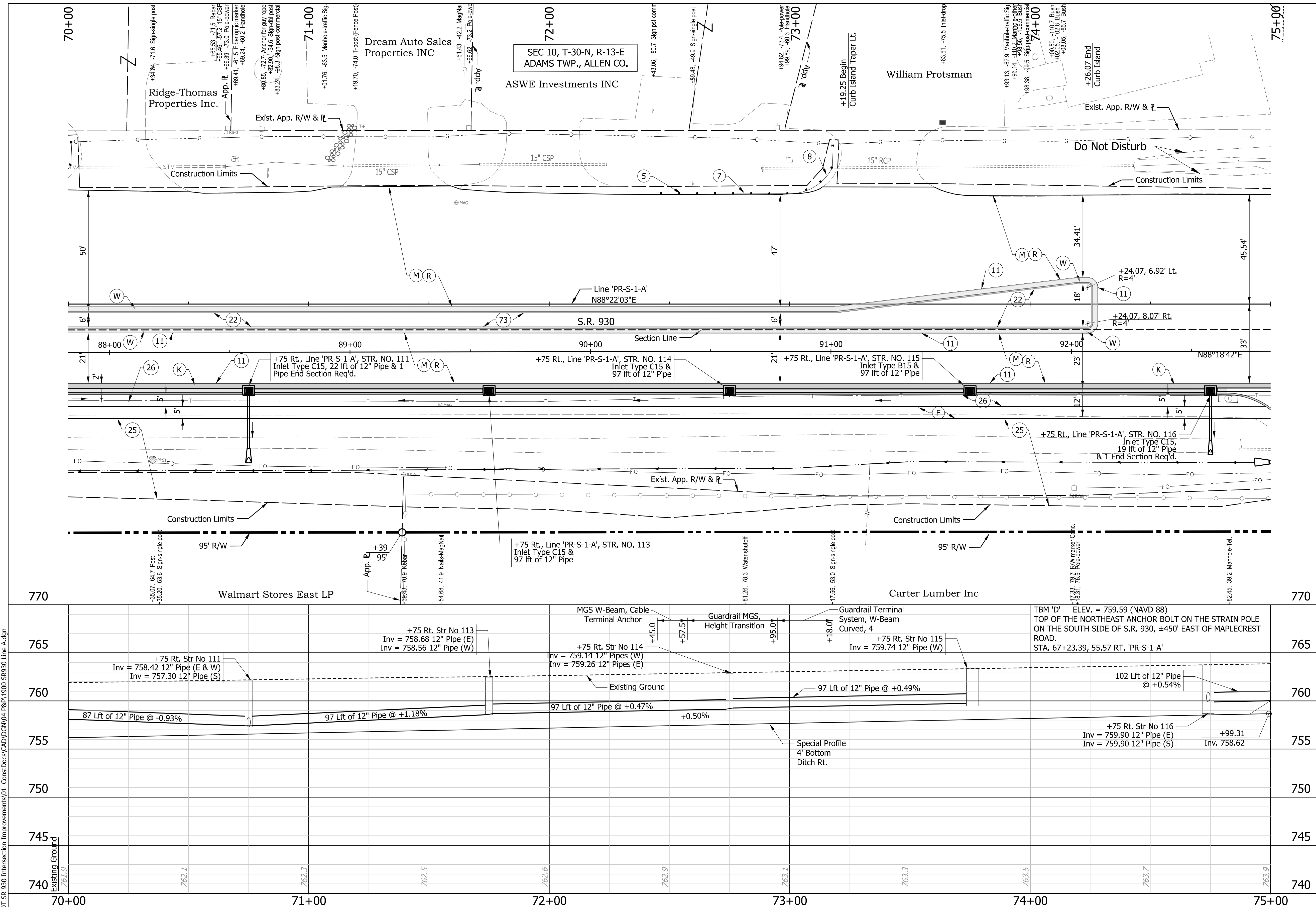
NOT FOR  
 CONSTRUCTION  
 DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

INDIANA  
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE  
 LINE 'PR-S-1-A'

SCALE	ROAD FILE
Horizontal Scale: 1"=20'	
Vertical Scale: 1"=5'	DESIGNATION
	1900107
SURVEY BOOK	SHEETS
ELECTRONIC	31 of 106
CONTRACT	PROJECT
R-42358	1900107



**Notes:**  
 1. All R/W and existing topography described from Line "PR-S-1-A."

- LEGEND:**
- (F) Sidewalk, Concrete, 4"
  - (M) Milling, Asphalt, 1 1/2 IN.
  - (R) 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5mm Widening with HMA, Type C Consisting of: 165 lb/syd HMA Surface, Type C, on 275 lb/syd HMA Intermediate, Type C, on 990 lb/syd HMA Base, Type C, on 4" Compacted Aggregate, No. 53, on Subgrade Treatment, Type IC
  - (W) 4" Compacted Aggregate, No. 53, on Subgrade Treatment, Type IC
  - (5) Guardrail, MGS, W-Beam, Cable Terminal Anchor
  - (7) Guardrail, MGS, Height Transition
  - (8) Guardrail, Terminal System, W-Beam Curved, 4
  - (11) Sawcut
  - (14) Curb, Integral Concrete
  - (15) Curb and Gutter, Concrete
  - (22) Center Curb, D Concrete, on 6" Compacted Aggregate, No. 53
  - (25) Seed Mixture, U
  - (26) Sodding
  - (73) Pavement Removal

4 | N=179820.856 E=785509.288  
 S.R. 930  
 Northeast  
 Anchor Bolt On  
 Strain Pole  
 (TBM D)  
 70.4' AD=84"  
 48.5'  
 AZ=55°  
 27.0' AZ=201"  
 MAG NAIL WITH DLZ WASHER SET FLUSH  
 67.4-70.74, 45 Rt. 'PR-S-1-A'  
 ELEV. = 760.42 (NAVD 88)



NOT FOR CONSTRUCTION  
 DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

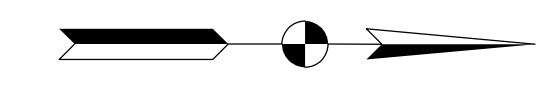
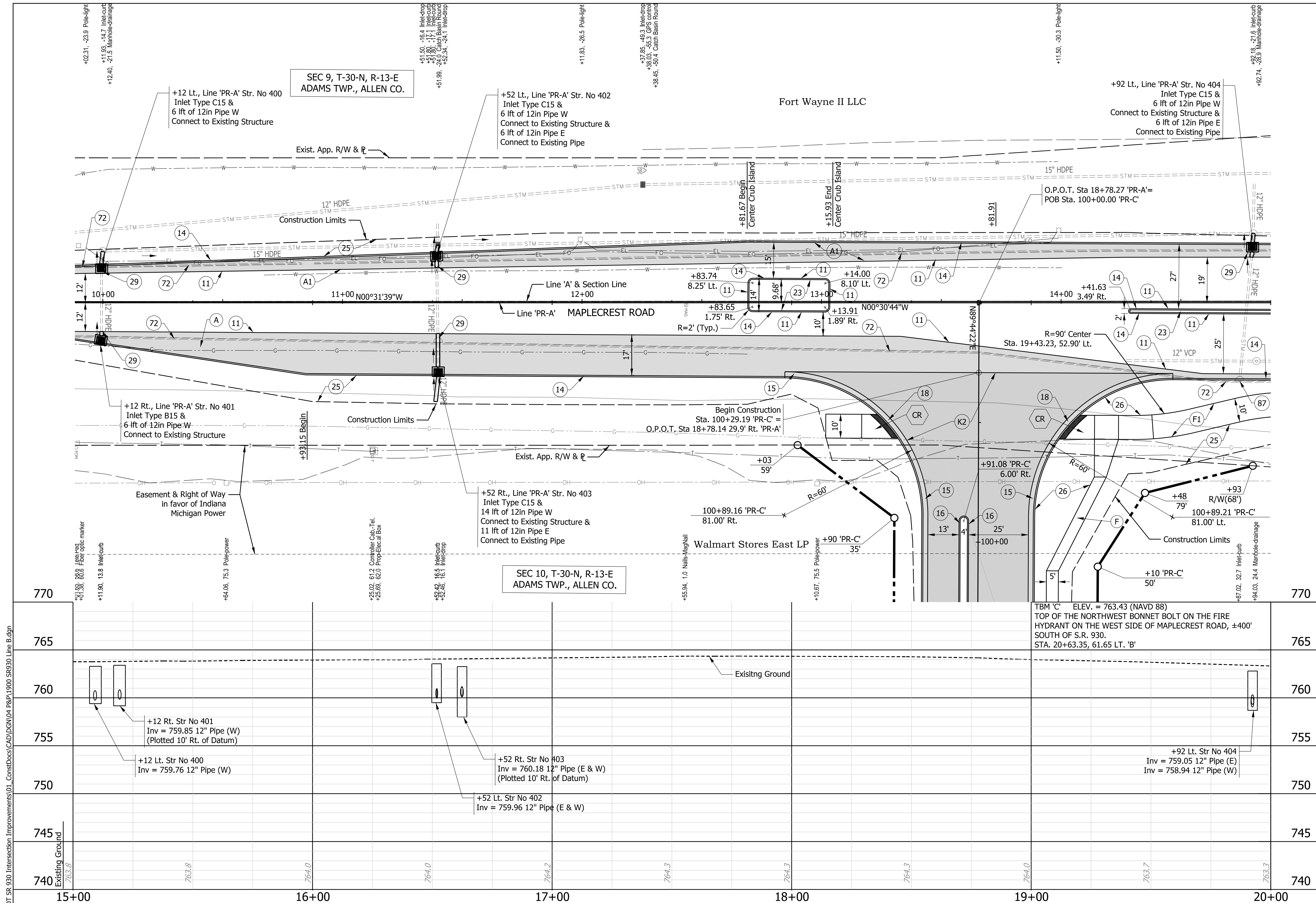
INDIANA DEPARTMENT OF TRANSPORTATION  
 PLAN AND PROFILE  
 LINE 'PR-S-1-A'

SCALE Horizontal Scale: 1"=20' Vertical Scale: 1"=5'	ROAD FILE -
SURVEY BOOK ELECTRONIC	SHEETS 32 of 106
CONTRACT R-42358	PROJECT 1900107







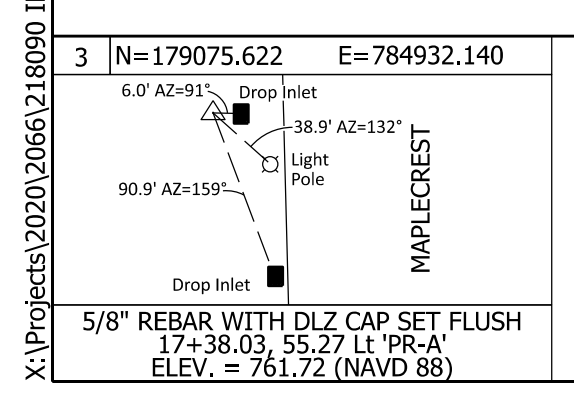


**Notes:**

- All R/W and existing topography described from Line "PR-A."
- Match existing D-1 Contraction Joint spacing of through lanes.

**LEGEND:**

- (A) 12" QC/QA-PCCP (with 18' D-1 Contraction Joint Spacing and 1.5" diameter dowels) on Subbase for PCCP, on Subgrade Treatment, Type IC
- (A1) 12" QC/QA-PCCP (with 18' D-1 Contraction Joint Spacing and 1.5" diameter dowels) on Subbase for PCCP, on Subgrade Treatment, Type IC
- (F) Sidewalk, Concrete, 4"
- (F1) PCCP, 4", on 4" Compacted Aggregate No. 53, on Subgrade Treatment, Type III
- (K2) Mainline Pavement Section  
165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm on 275 lb/syd QC/QA-HMA, 3, 70, Intermediate, 19.0 mm on 770 lb/syd QC/QA-HMA, 3, 64, Base, 25.0 mm on 300 lb/syd QC/QA-HMA, 4, 76, Intermediate, OG, 19.0 mm on 4" Compacted Aggregate, No. 53, on Subgrade Treatment, Type IC, on Geotextile For Pavement, Type 2A
- (11) Sawcut
- (14) Curb, Integral Concrete
- (15) Curb and Gutter, Concrete
- (16) Curb, Concrete
- (18) Curb and Gutter, Concrete Depressed
- (23) Center Curb, D Concrete
- (25) Seed Mixture, U
- (26) Sodding
- (72) Curb and Gutter, Remove
- (87) Casting, Inlet, Adjust to Grade
- (CR) Concrete Curb Ramp See Details on Sheet 43



NOT FOR CONSTRUCTION  
DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JWH	DRAWN: DPH	
CHECKED: FS	CHECKED: JWH	

INDIANA DEPARTMENT OF TRANSPORTATION  
**PLAN AND PROFILE LINE 'PR-A'**

SCALE	ROAD FILE
Horizontal Scale: 1"=20'	
Vertical Scale: 1"=5'	DESIGNATION
	1900107
SURVEY BOOK	SHEETS
ELECTRONIC	35 of 106
CONTRACT	PROJECT
R-42358	1900107