

PROJECT	DESIGNATION
2200507	2200507
CONTRACT	BRIDGE FILE
R-44589	N/A

CULVERT ASSETS				
STR. NO.	CULVERT ASSET ID		WORK TYPE	STATION
101	CLV-37461	CV 227-089-17.97	REPLACEMENT	268+24.00
102	CLV-37471	CV 227-089-18.08	REPLACEMENT	274+18.00
103	CLV-37477	CV 227-089-18.11	REPLACEMENT	275+45.00
104	CLV-37483	CV 227-089-18.21	REPLACEMENT	281+21.00
105	CLV-37487	CV 227-089-18.49	REPLACEMENT	295+90.50
106	CLV-37493	CV 227-089-18.58	REPLACEMENT	300+88.50
107	CLV-37497	CV 227-089-18.69	REPLACEMENT	306+55.00
108	CLV-37503	CV 227-089-18.84	REPLACEMENT	314+56.00
109	CLV-37505	CV 227-089-19.10	REPLACEMENT	328+21.00
110	CLV-37525	CV 227-089-19.34	REPLACEMENT	340+98.50
111	CLV-1128	CV 227-089-19.48	REPLACEMENT	348+04.50
112	CLV-37549	CV 227-089-19.83	REPLACEMENT	366+57.50
113	CLV-37553	CV 227-089-19.88	REPLACEMENT	369+26.00
114	CLV-1129	CV 227-089-19.99	REPLACEMENT	374+98.00
115	CLV-37571	CV 227-089-20.07	REPLACEMENT	379+03.50
116	CLV-37595	CV 227-089-20.53	REPLACEMENT	403+36.00
117	CLV-37599	CV 227-089-20.61	REPLACEMENT	407+21.50
118	CLV-45614	CV 227-089-21.20	REPLACEMENT	438+36.30
119	CLV-37579	CV 227-089-20.23	REPLACEMENT	100+20.00 "B"

XXX Depicts Structure Location on Map

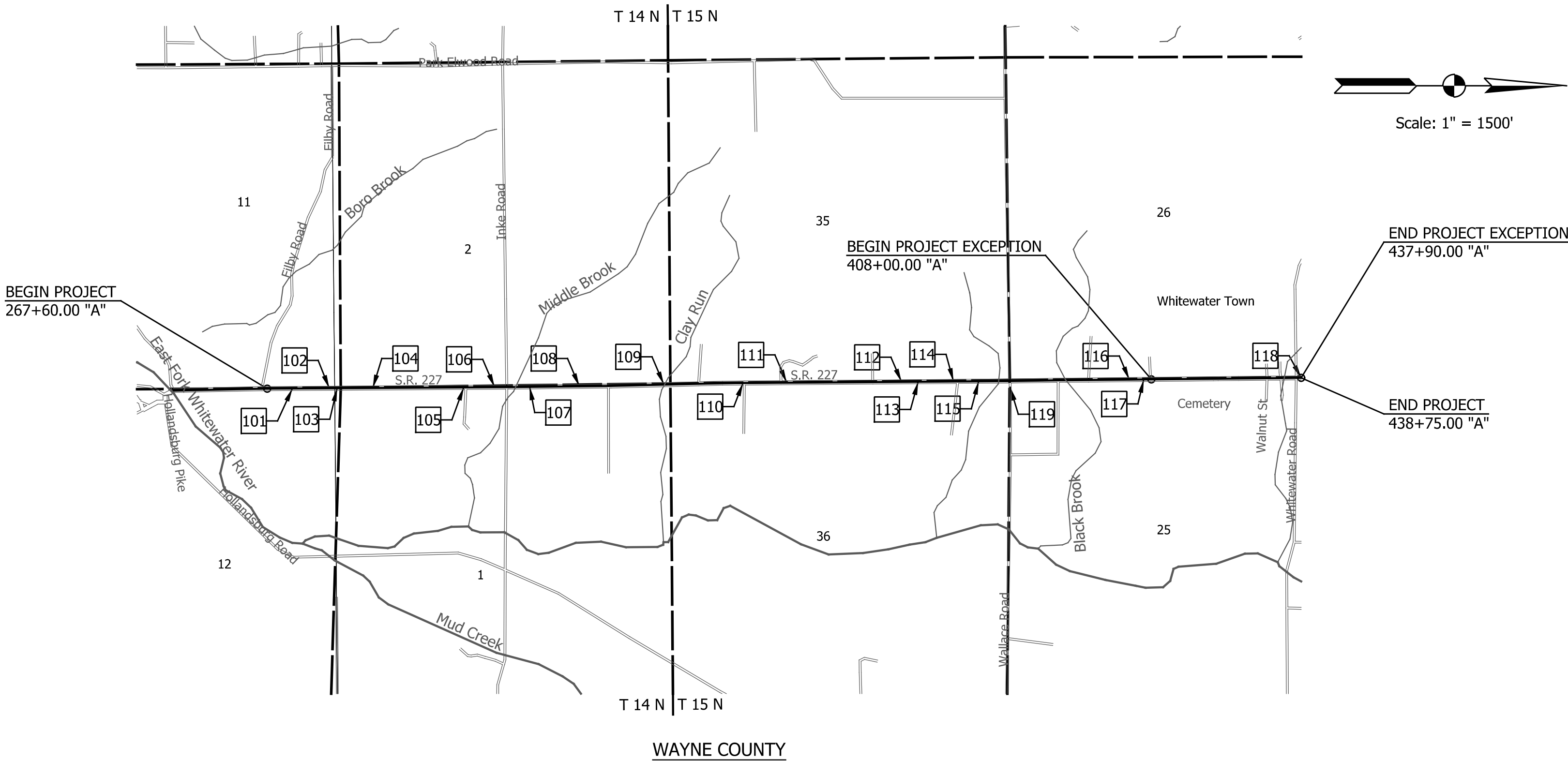
INDIANA DEPARTMENT OF TRANSPORTATION



ROAD PLANS

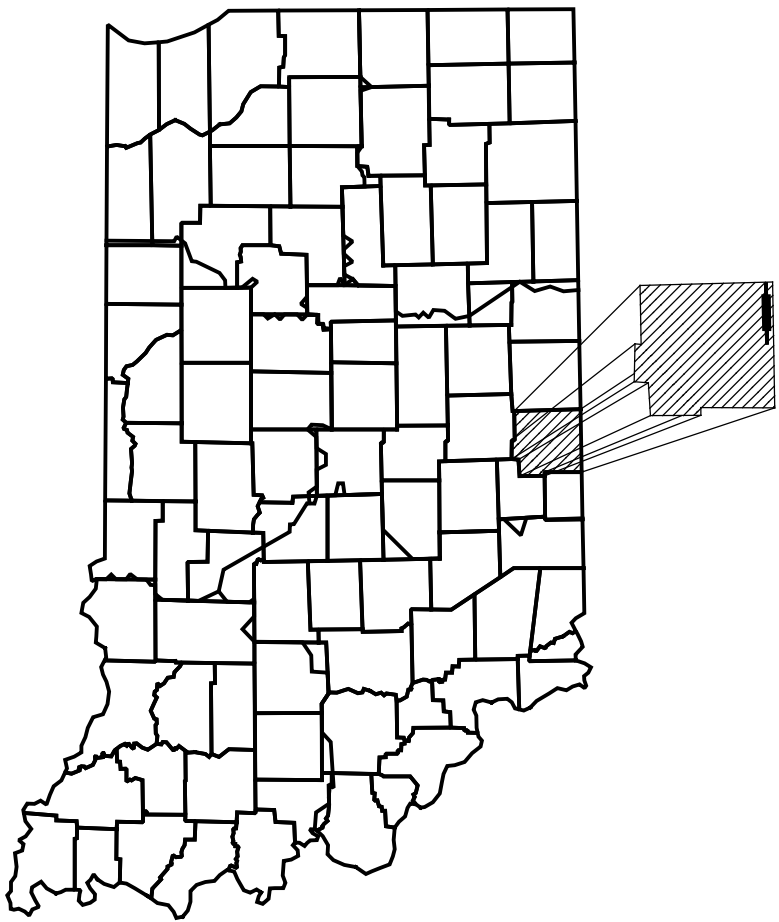
ROUTE: S.R. 227 FROM: RP 17+95 TO: RP 21+20
PROJECT NO. 2200507 P.E.
2200507 R/W
2200507 CONST.

Project Description: Small Structure Replacements and Ditch Grading on SR 227 from 4.60 mi N of SR 121 to 7.86 mi N of SR 121, Within Sections 11 & 12 and Sections 1 & 2 in Township 14 N, Range 1 W, Wayne Township, and Within Sections 35 & 36 and Sections 24 & 25, Township 15 N, Range 1 W, Wayne County, Indiana.



NOTES TO REVIEWER	
STAGE ONE REVIEW	7/12/2024
CONFORMANCE WITH LEVEL 1/LEVEL 2 CRITERIA	In Accordance with Design Memo 23-12 & IDM 40-8.03 Item 1, No changes have been made to existing substandard features for Standalone Small Structure Replacements; no Level One or Level Two Exceptions are required for these Plans.
PRACTICAL DESIGN AND COST SAVINGS	Ditch Grading has been limited to locations of Small Structure Replacements and areas that do not meet required Capacities.
QC/QA OF PLANS	All Culverts have been analyzed for Replace-In-Kind per Design Memo 23-13 where feasible. All Culverts are proposed to be replaced per coordination with the District Asset Engineer.
	ORIGINATED: MCC DATE: 07/03/2024
	CHECKED: LAM DATE: 07/08/2024
	BACKCHECKED: JMS DATE: 07/10/2024
	CORRECTED: MCC DATE: 07/11/2024
FOR QUESTIONS DURING REVIEW:	VERIFIED: JPS DATE: 07/12/2024
	Jamie Stetzel, PE PROJECT MANAGER
	317-547-5580 OFFICE PHONE
jstetzel@structurepoint.com EMAIL	

TRAFFIC DATA		S.R. 227
A.A.D.T.	(PROJ. 2027)	1,566 V.P.D.
A.A.D.T.	(PROJ. 2047)	1,867 V.P.D.
D.H.V	(PROJ. 2047)	187 V.P.H.
DIRECTIONAL DISTRIBUTION		53 %
TRUCKS		7 % A.A.D.T.
		5 % D.H.V.
DESIGN DATA		
DESIGN SPEED	45 M.P.H.	
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)	
FUNCTIONAL CLASSIFICATION	STATE COLLECTOR	
RURAL/URBAN	RURAL	
TERRAIN	ROLLING	
ACCESS CONTROL	NONE	



PROJECT LOCATION SHOWN BY

LATITUDE: 39° 55' 28" N LONGITUDE: 84° 49' 53" W

HUC NUMBER: 05080003070030, 05080003070040

Gross Length: 3.24 MI.

Net Length: 2.67 MI.

Maximum Grade: Exist (6.3) %

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2024
TO BE USED WITH THESE PLANS.



9025 RIVER ROAD, SUITE 200
INDIANAPOLIS, IN 46240
TEL 317.547.5580 FAX 317.543.0270
www.structurepoint.com

PLANS PREPARED BY: American Structurepoint, Inc. (317) 547-5580 PHONE NUMBER
CERTIFIED BY: DATE
APPROVED FOR LETTING: INDIANA DEPARTMENT OF TRANSPORTATION DATE

BRIDGE FILE	
N/A	
DESIGNATION	
2200507	
SHEETS	
SURVEY BOOK	1 of 73
N/A	PROJECT
CONTRACT	2200507
R-44589	

UTILITIES

ELECTRIC

Duke - Distribution

100 S. Mill Creek Road

Noblesville, IN 46062

(317) 776-5341

Contact: Cindy Rowland

COMMUNICATIONS

Frontier

8001 W Jefferson Blvd

Fort Wayne, IN 46804

(260) 416-9053

Contact: Chris McAbee

GAS

Panhandle Eastern Pipe Line

8910 Purdue Rd. Ste. 300

Indianapolis, IN 46268

(317) 879-3039

Contact: Nathan Cloud

Whitewater Valley REMC

101 Brownsville Avenue

Liberty, IN 47353

(765) 223-2061

Contact: Brooke Reiboldt

Spectrum/Charter

3760 Interchange Rd

Columbus, OH 43204

(614) 254-4378

Contact: Mike Harvey

NLBC

6369 E Dublin Pike

New Lisbon, IN 47366

(940) 224-7929

Contact: Si Clark

Comcast

720 Taylor St

Fort Wayne, IN 46802

(260) 410-3504

Contact: Doug Fishburn

811

Know what's below.

Call before you dig.

INDIANA UNDERGROUND

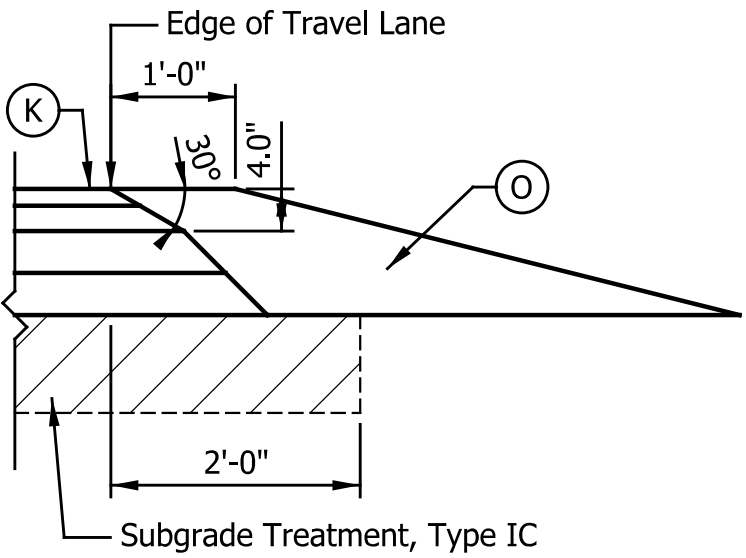
1-800-382-5544 OR CALL 811

24 HOURS A DAY 7 DAYS A WEEK

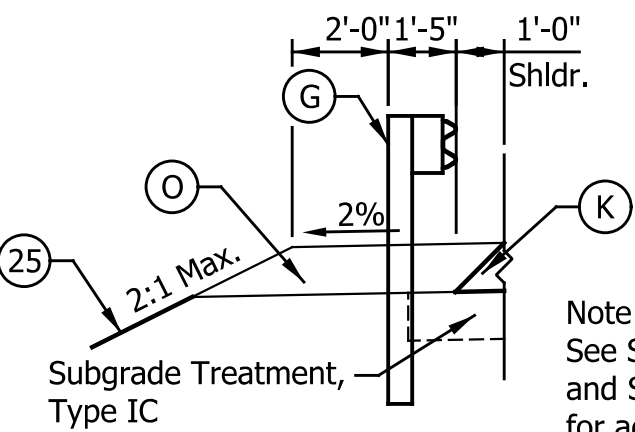
GENERAL NOTES	
**	All earth shoulders, median areas, and cut and fill slopes shall be plain or mulch seeded except where sodding is specified
	The final cross sections of the grading contract will be the original cross sections of the paving contract. However, partial or complete cross sections shall 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.
	All limited access right-of-way (L.A. R/W) is to be fenced with chain link type fence (CLTF) or farm field type fence (FFTF) where specified in the plans.
	Contractor shall verify existing flowline elevations to set the appropriate sump depth.
** REPRESENTS GENERAL NOTES REQUIRED	

INDEX	
SHEET NO.	DRAWING INDEX
1	TITLE
2	INDEX & GENERAL NOTES
3 - 4	TYPICAL CROSS SECTIONS
5 - 8	PLAT NO. 1
9 - 12	GEOMETRIC TIE-UPS
13 - 15	TRAFFIC MAINTENENACE DETAILS
16 - 32	PLAN AND PROFILE
33 - 37	GENERAL PLAN DETAILS
38	GRADING PLAN
39	MISCELLANEOUS DETAILS
40	MISCELLANEOUS TABLES
41	APPROACH TABLE
42	STRUCTURE DATA TABLE
43 - 73	CROSS SECTIONS

REVISIONS		
SHEET NO.	DATE	REVISED



HMA Shoulder Safety Edge Detail
(Not to Scale, Reverse as Necessary)

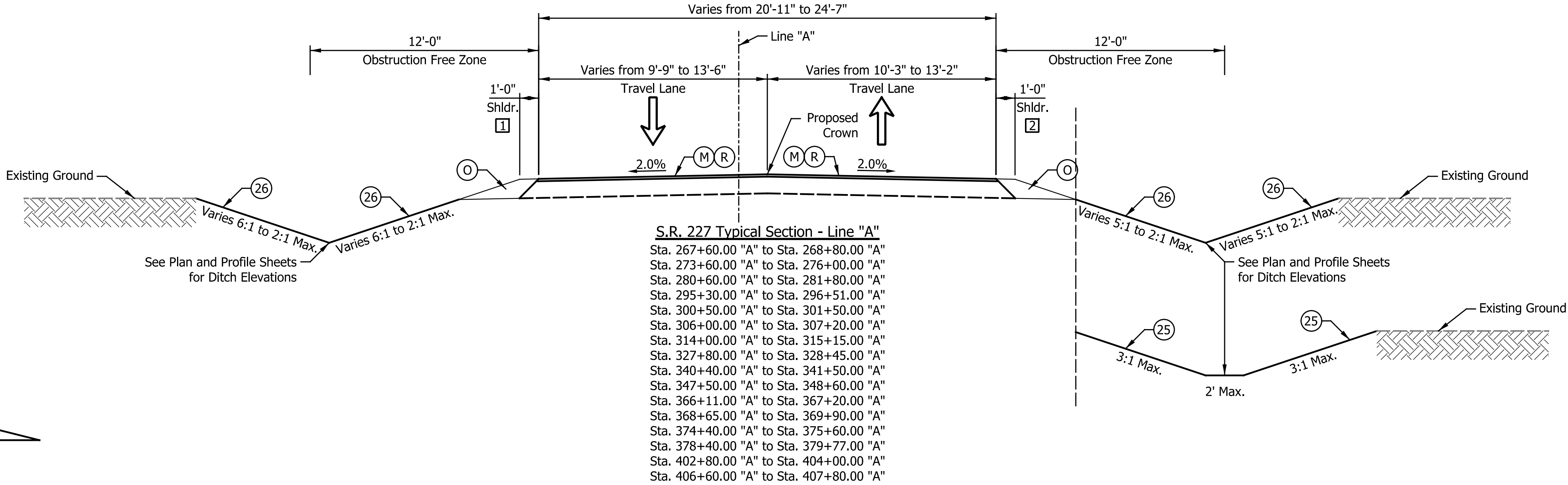


MGS W-Beam Guardrail Detail
(Reverse as Necessary)

Sta. 346+28.25 "A" Rt. to Sta. 348+78.25 "A" Rt.
Sta. 346+99.50 "A" Lt. to Sta. 349+37.00 "A" Lt.
Sta. 373+41.75 "A" Rt. to Sta. 375+66.75 "A" Rt.
Sta. 374+10.50 "A" Lt. to Sta. 376+48.00 "A" Lt.

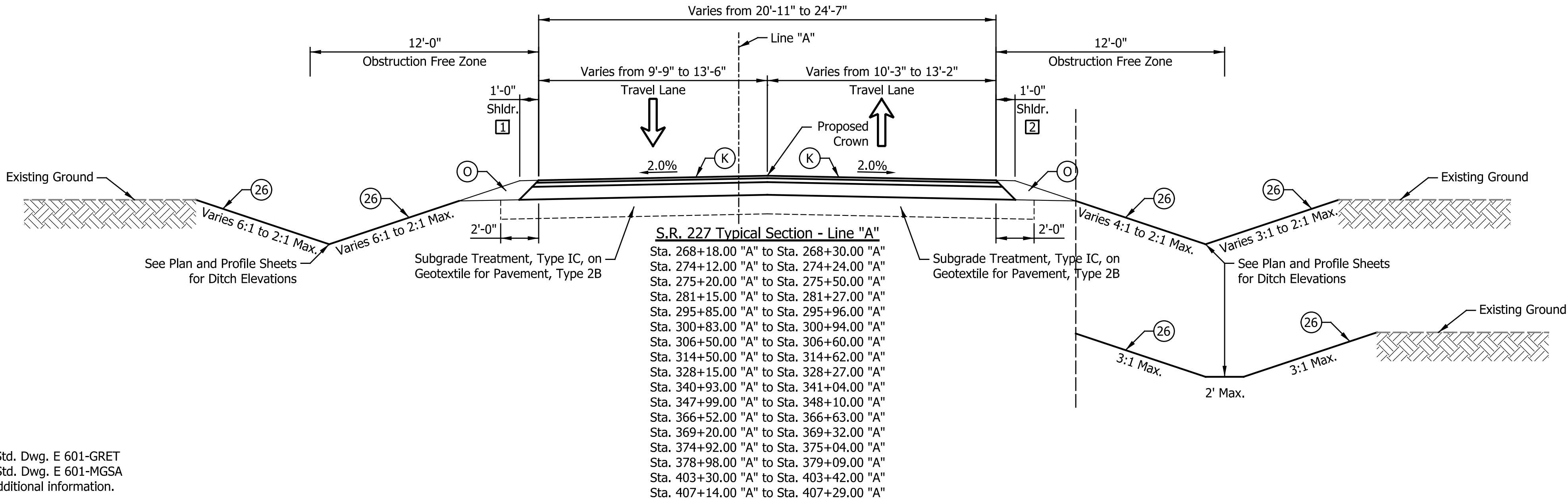
LEGEND

- (F) Sidewalk, Concrete, 4 in.
- (G) Guardrail, MGS W-Beam, 6 ft. 3 in. Spacing
- (K) Full Depth HMA Pavement consisting of
165 lbs/sys QC/QA-HMA, 3, 58H, Surface, 9.5mm, on
275 lbs/sys QC/QA-HMA, 3, 58H, Intermediate, 19.0 mm, on
880 lbs/sys QC/QA-HMA, 3, 58H, Base, 25.0 mm, on
Subgrade Treatment, Type IC on Geotextile for Pavement, Type 2B
- (M) Milling, Asphalt, 1.5 in.
- (O) Compacted Aggregate, No. 53, Variable Depth
- (R) HMA Resurfacing consisting of
165 lbs/sys QC/QA-HMA, 3, 58H, Surface, 9.5mm
- (25) Seed Mixture, R
- (26) Sodding



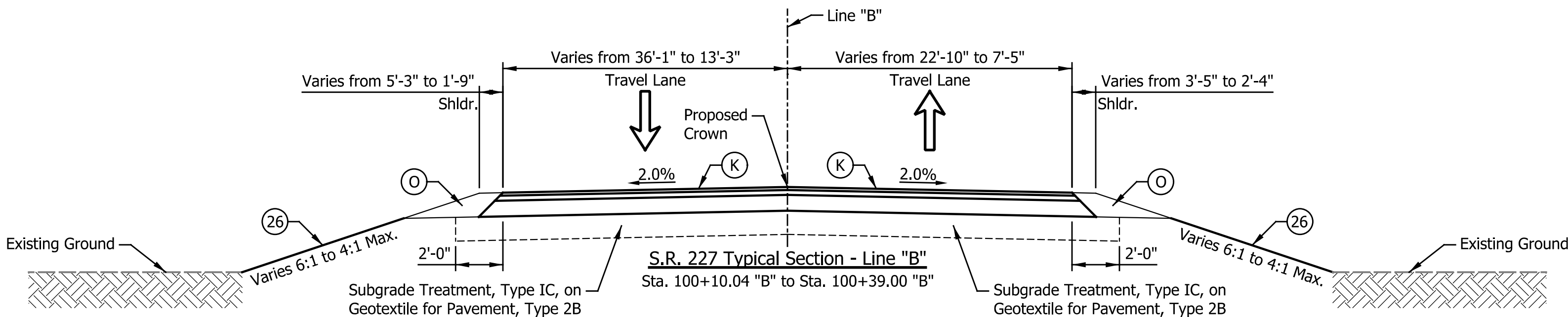
S.R. 227 Typical Section - Line "A"

Sta. 267+60.00 "A" to Sta. 268+80.00 "A"
Sta. 273+60.00 "A" to Sta. 276+00.00 "A"
Sta. 280+60.00 "A" to Sta. 281+80.00 "A"
Sta. 295+30.00 "A" to Sta. 296+51.00 "A"
Sta. 300+50.00 "A" to Sta. 301+50.00 "A"
Sta. 306+00.00 "A" to Sta. 307+20.00 "A"
Sta. 314+00.00 "A" to Sta. 315+15.00 "A"
Sta. 327+80.00 "A" to Sta. 328+45.00 "A"
Sta. 340+40.00 "A" to Sta. 341+50.00 "A"
Sta. 347+50.00 "A" to Sta. 348+60.00 "A"
Sta. 366+11.00 "A" to Sta. 367+20.00 "A"
Sta. 368+65.00 "A" to Sta. 369+90.00 "A"
Sta. 374+40.00 "A" to Sta. 375+60.00 "A"
Sta. 378+40.00 "A" to Sta. 379+77.00 "A"
Sta. 402+80.00 "A" to Sta. 404+00.00 "A"
Sta. 406+60.00 "A" to Sta. 407+80.00 "A"



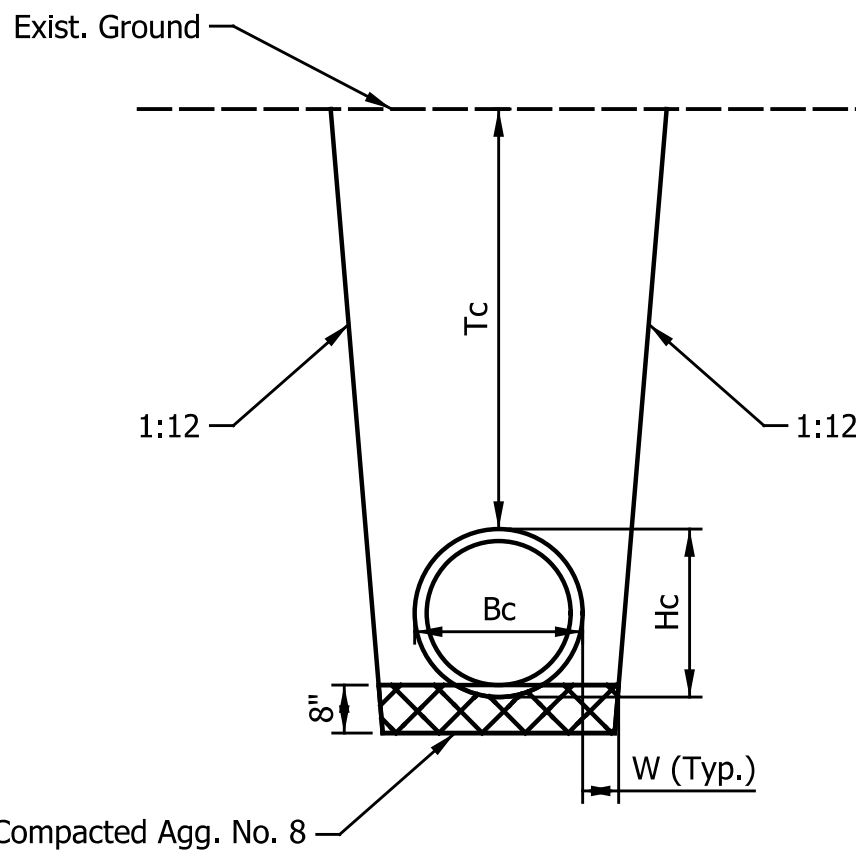
S.R. 227 Typical Section - Line "A"

Sta. 268+18.00 "A" to Sta. 268+30.00 "A"
Sta. 274+12.00 "A" to Sta. 274+24.00 "A"
Sta. 275+20.00 "A" to Sta. 275+50.00 "A"
Sta. 281+15.00 "A" to Sta. 281+27.00 "A"
Sta. 295+85.00 "A" to Sta. 295+96.00 "A"
Sta. 300+83.00 "A" to Sta. 300+94.00 "A"
Sta. 306+50.00 "A" to Sta. 306+60.00 "A"
Sta. 314+50.00 "A" to Sta. 314+62.00 "A"
Sta. 328+15.00 "A" to Sta. 328+27.00 "A"
Sta. 340+93.00 "A" to Sta. 341+04.00 "A"
Sta. 347+99.00 "A" to Sta. 348+10.00 "A"
Sta. 366+52.00 "A" to Sta. 366+63.00 "A"
Sta. 369+20.00 "A" to Sta. 369+32.00 "A"
Sta. 374+92.00 "A" to Sta. 375+04.00 "A"
Sta. 378+98.00 "A" to Sta. 379+09.00 "A"
Sta. 403+30.00 "A" to Sta. 403+42.00 "A"
Sta. 407+14.00 "A" to Sta. 407+29.00 "A"



S.R. 227 Typical Section - Line "B"

Sta. 100+10.04 "B" to Sta. 100+39.00 "B"



Note:
See Std. Dwg. E 715-BKFL-03
for additional information

NOTES:
Hc = Overall rise
Bc = Overall span
Tc = Trench Cover
W = 0.3 Bc or 9", which ever is greater

DATE	REVISION

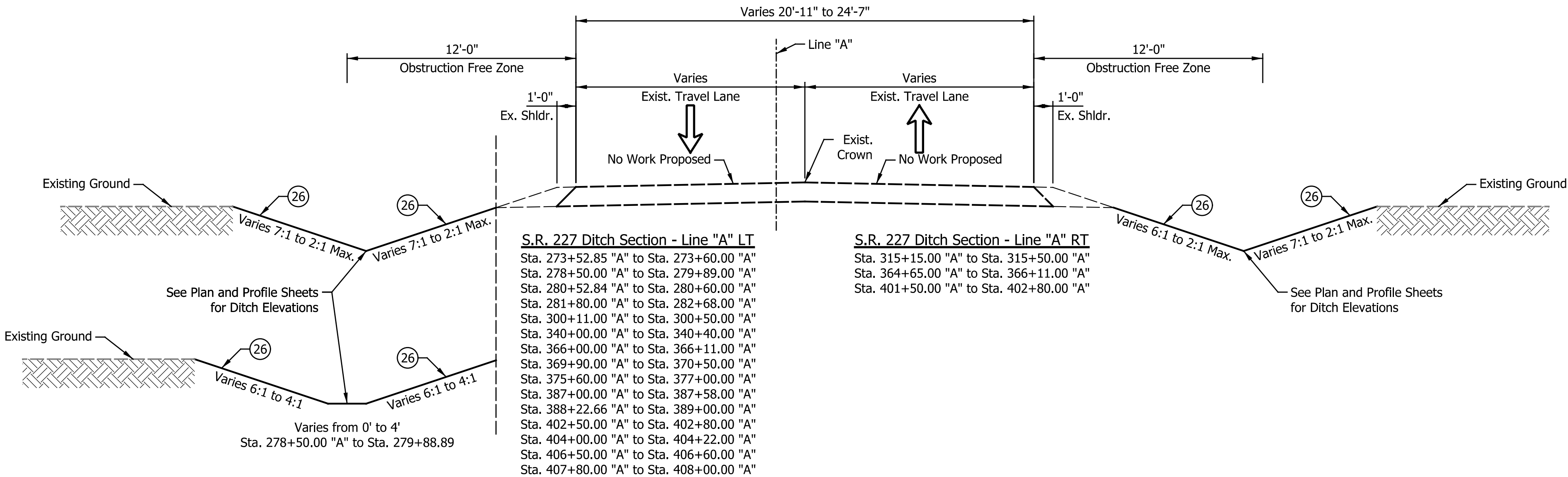
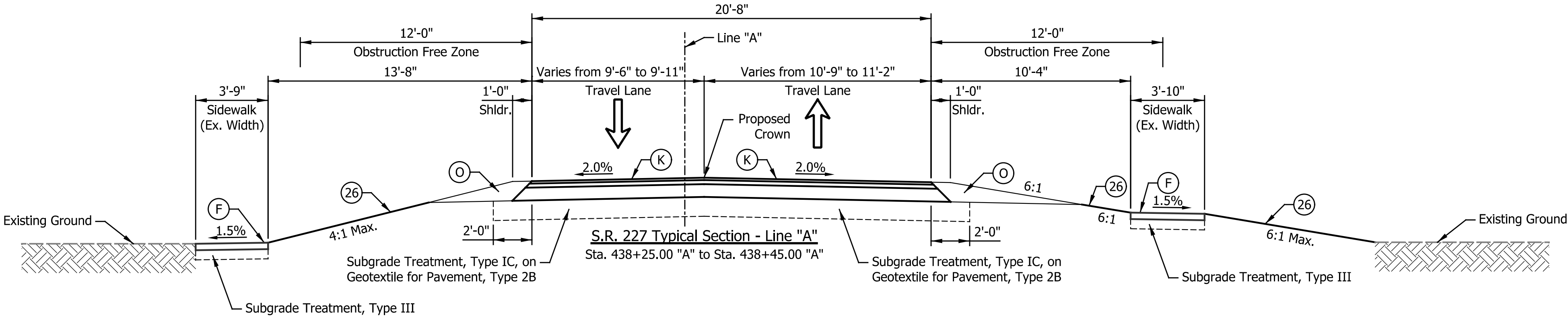
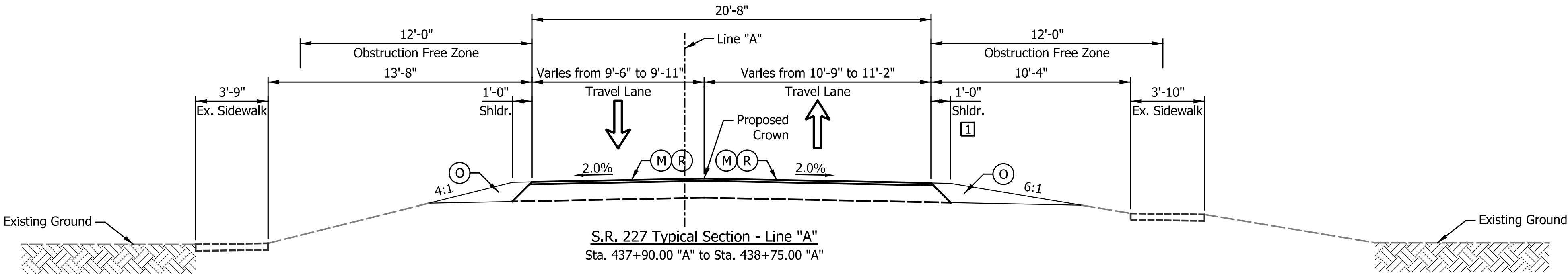
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: LAM	DRAWN: LAM	
CHECKED: MRO	CHECKED: JPS	

INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS
S.R. 227

HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
1/4" = 1'-0"	2200507
SURVEY BOOK	SHEETS
N/A	3 of 73
CONTRACT	PROJECT
R-44589	2200507

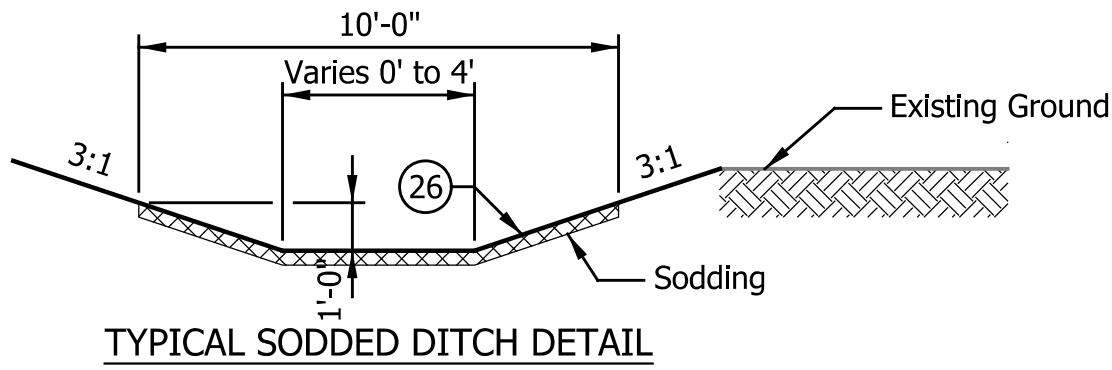
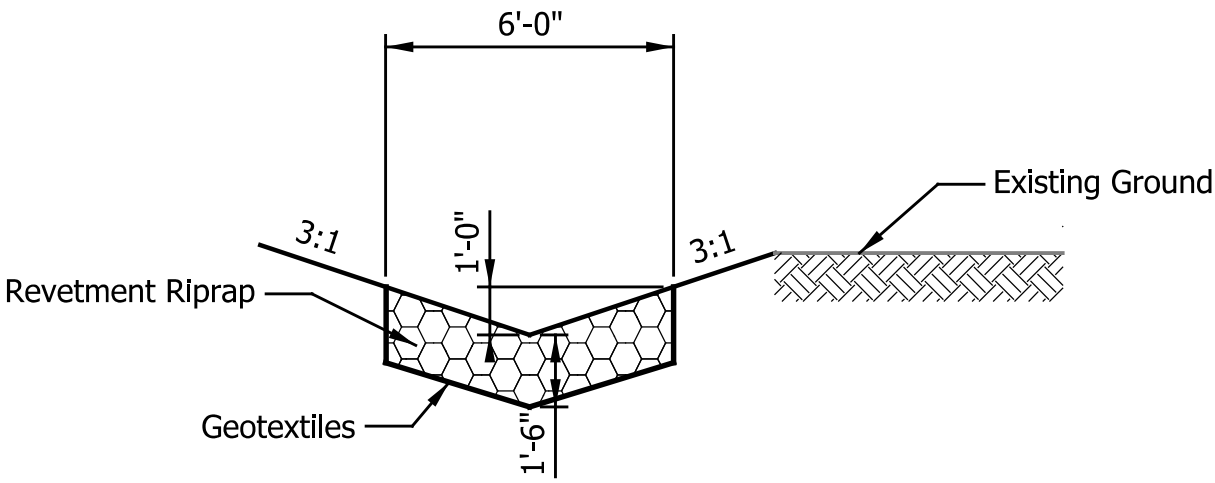
1 Equals 0'-0" from Sta. 437+90.00 "A" to Sta. 438+14.86 "A"
Varies 0'-0" to 1'-0" from Sta. 438+14.86 to Sta. 438+17.00 "A"



LEGEND

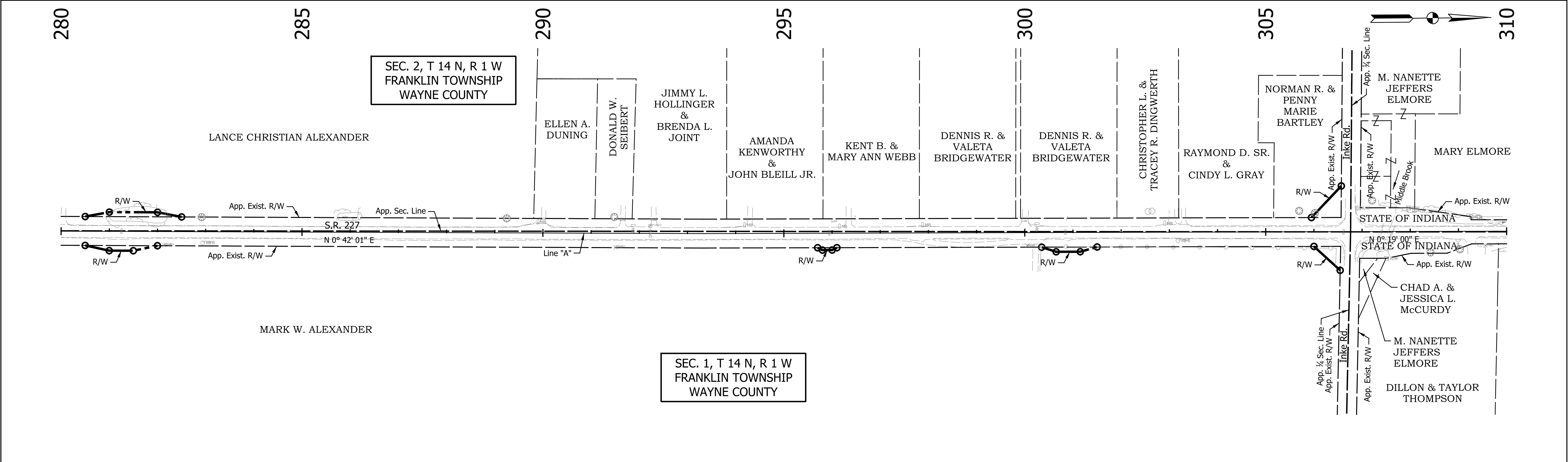
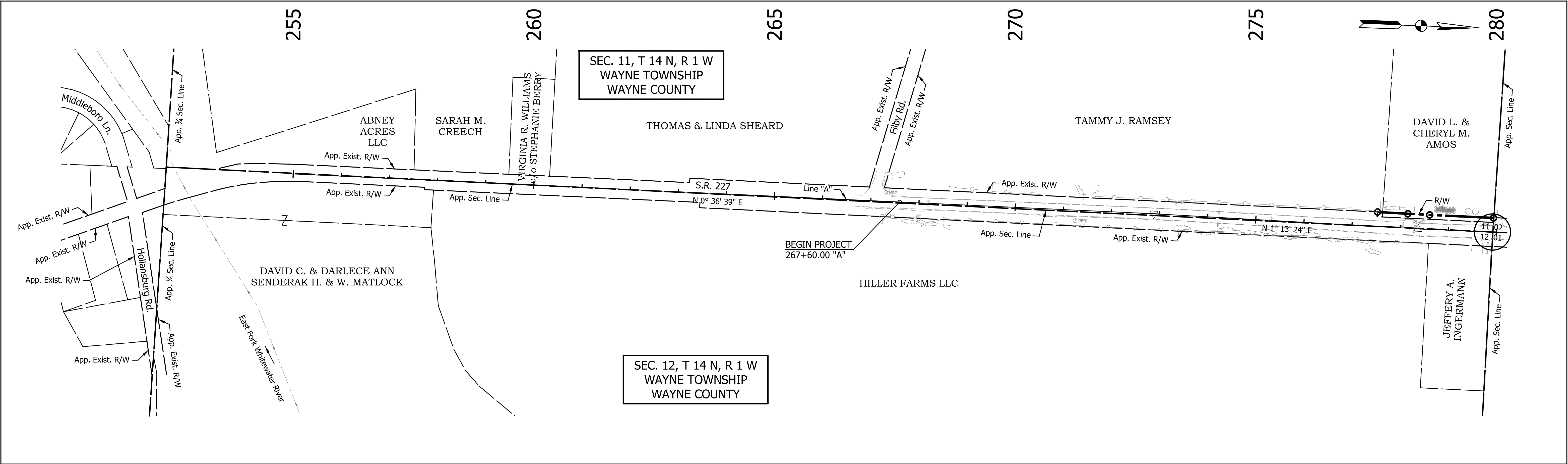
- (F) Sidewalk, Concrete, 4 in.
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- (K) Full Depth HMA Pavement consisting of
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275 lbs/sys QC/QA-HMA, 3, 58H, Intermediate, 19.0 mm, on
880 lbs/sys QC/QA-HMA, 3, 58H, Base, 25.0 mm, on
Subgrade Treatment, Type IC on Geotextile for Pavement, Type 2B
- (M) Milling, Asphalt, 1.5 in.
- (O) Compacted Aggregate, No. 53, Variable Depth
- (R) HMA Resurfacing consisting of
165 lbs/sys QC/QA-HMA, 3, 58H, Surface, 9.5mm
- (25) Seed Mixture, R
- (26) Sodding

NOTES:
The areas beyond the limits of ditch
sodding and riprap will be seeded.

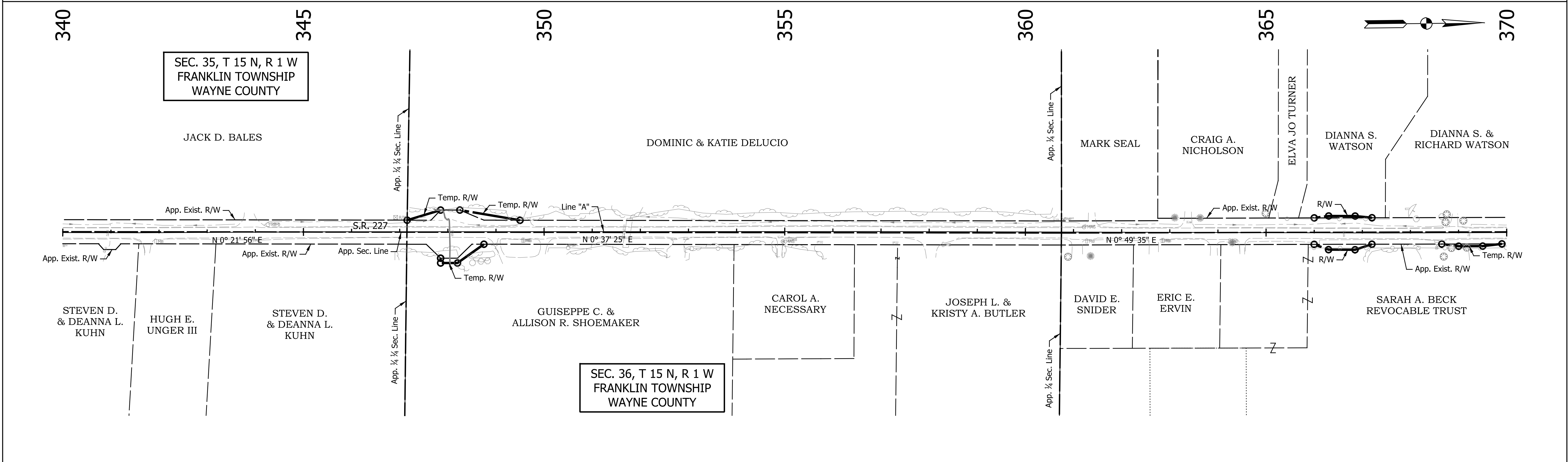
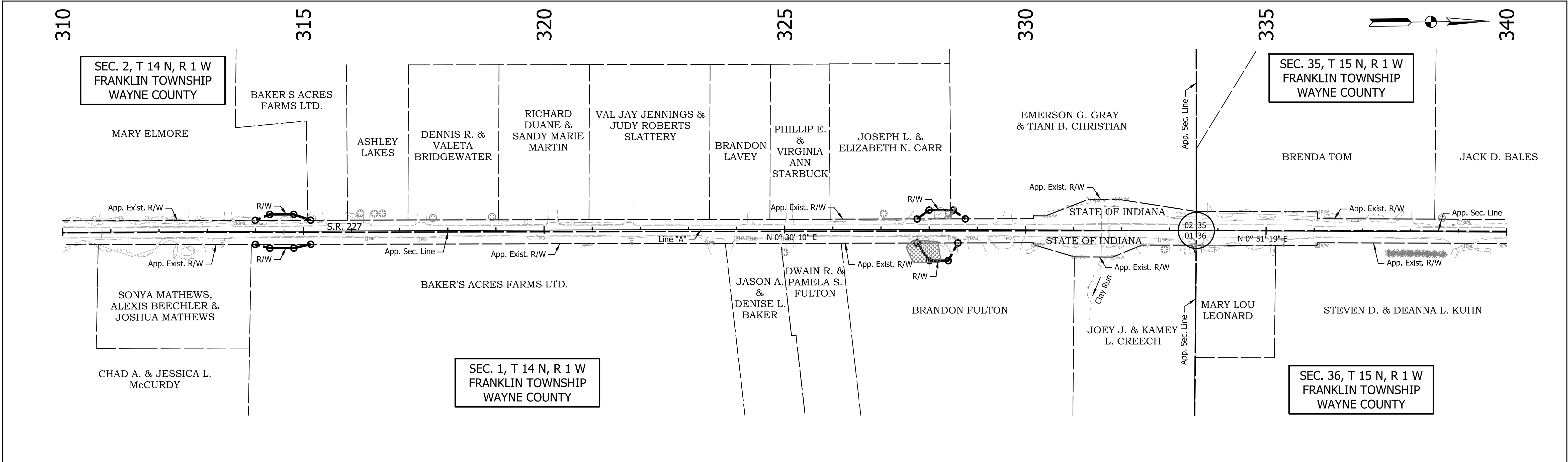


Equals 2' from Sta. 275+00.00 to 275+45.00
Varies 0' to 4' from Sta. 278+50.00 "A" to Sta. 279+88.89
Equals 0' at all other locations where a ditch is present
Ditches will be sodded where slope is >1% and <5%

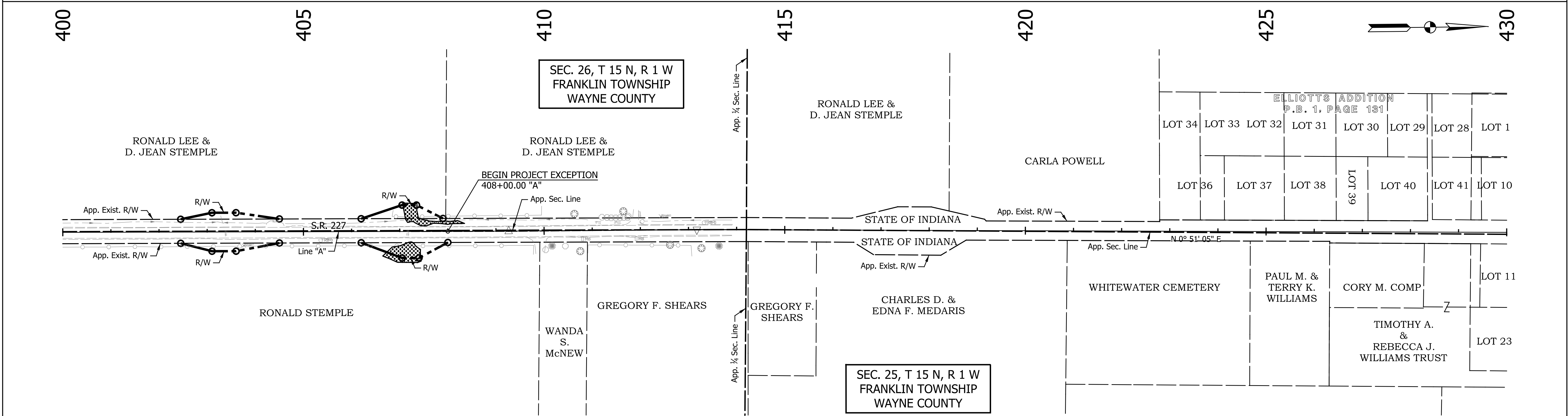
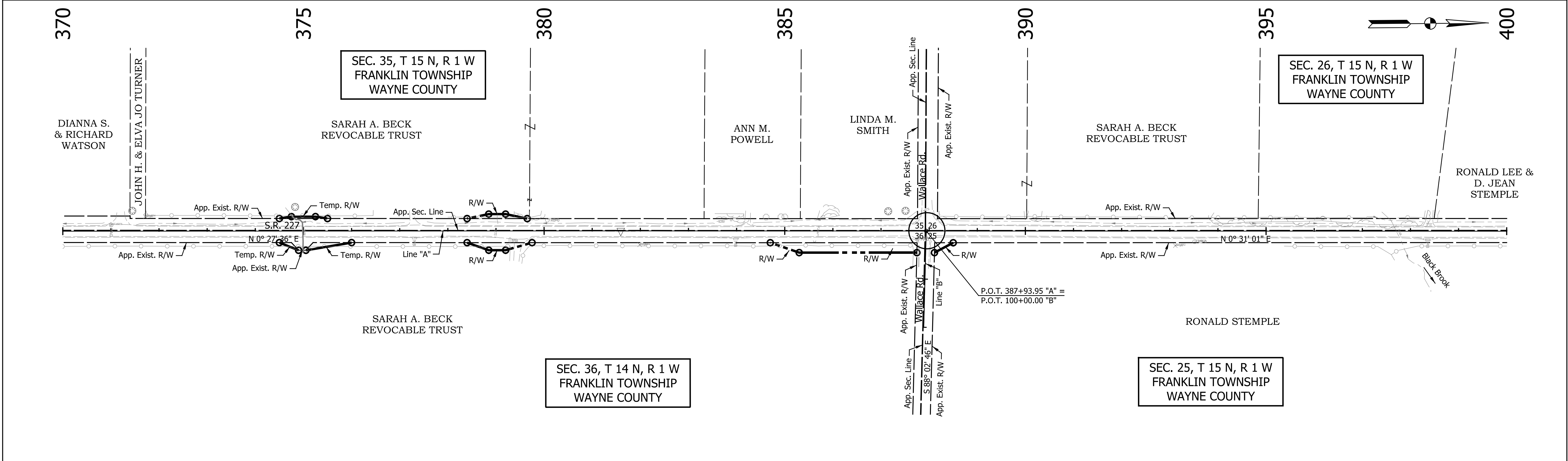
DATE	REVISION				RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
									1/4" = 1'-0"	N/A
									VERTICAL SCALE	DESIGNATION
									1/4" = 1'-0"	2200507
									SURVEY BOOK	SHEETS
									N/A	4 of 73
									CONTRACT	PROJECT
									R-44589	2200507



DATE	REVISION				RECOMMENDED FOR APPROVAL	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE		BRIDGE FILE		
								1" = 100'		N/A		
								VERTICAL SCALE		DESIGNATION		
								N/A		2200507		
								SURVEY BOOK		SHEETS		
								N/A		5 of 73		
					DESIGNED: LAM	DRAWN: MCC	PLAT NO. 1		CONTRACT		PROJECT	
									R-44589		2200507	



DATE	REVISION				RECOMMENDED FOR APPROVAL	DESIGN ENGINEER		DATE	INDIANA DEPARTMENT OF TRANSPORTATION			HORIZONTAL SCALE		BRIDGE FILE	
		1" = 100'										N/A			
		VERTICAL SCALE										DESIGNATION			
		N/A										2200507			
		DESIGNED: _____ LAM			DRAWN: _____ MCC	PLAT NO. 1			SURVEY BOOK		SHEETS				
									N/A		6 of 73				
									CONTRACT		PROJECT				
									R-44589		2200507				



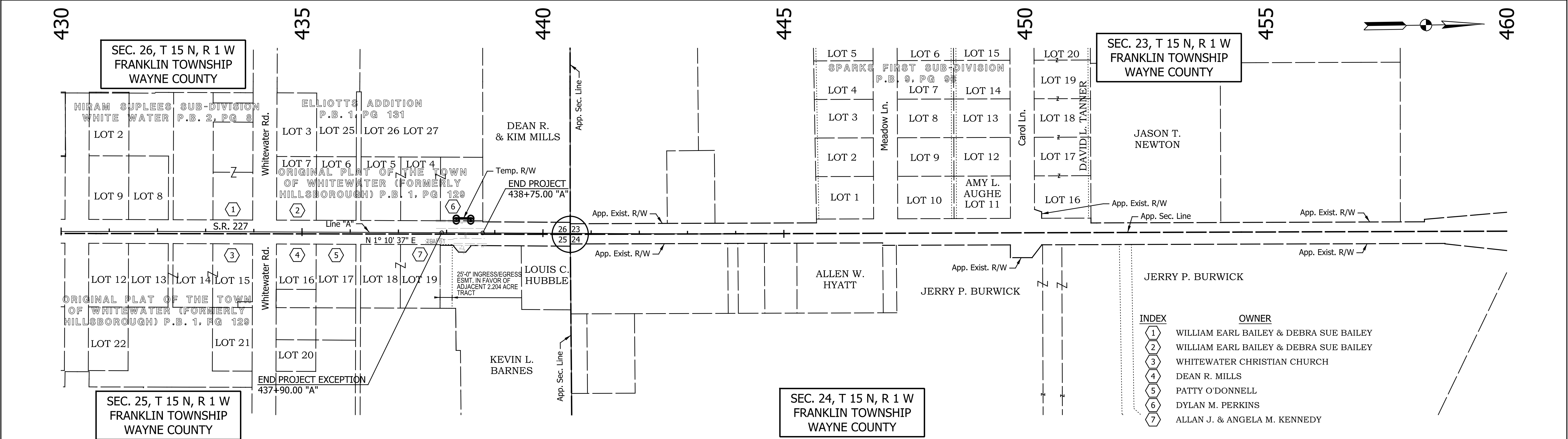
DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: LAM	DRAWN: MCC	
CHECKED: JPS	CHECKED: JPS	

INDIANA DEPARTMENT OF TRANSPORTATION
PLAT NO. 1

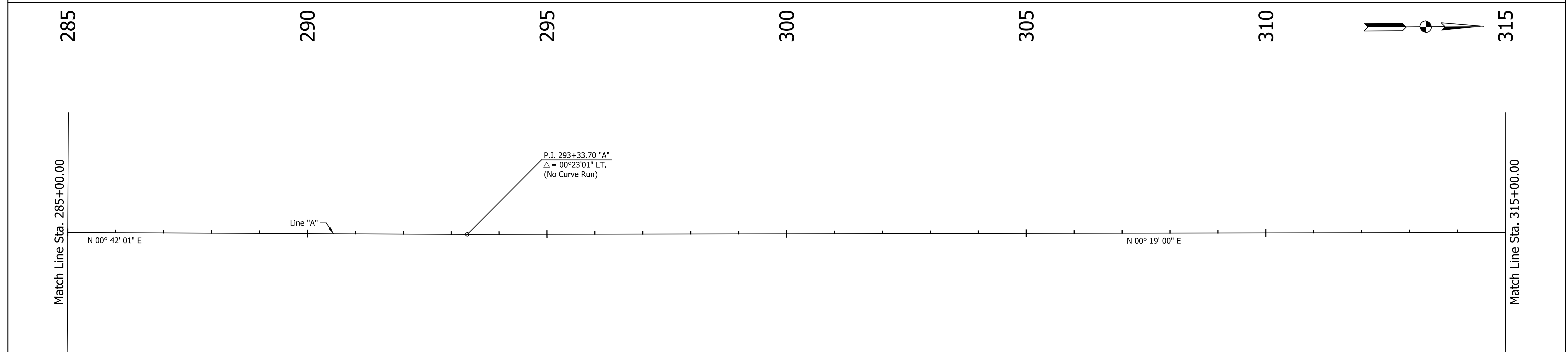
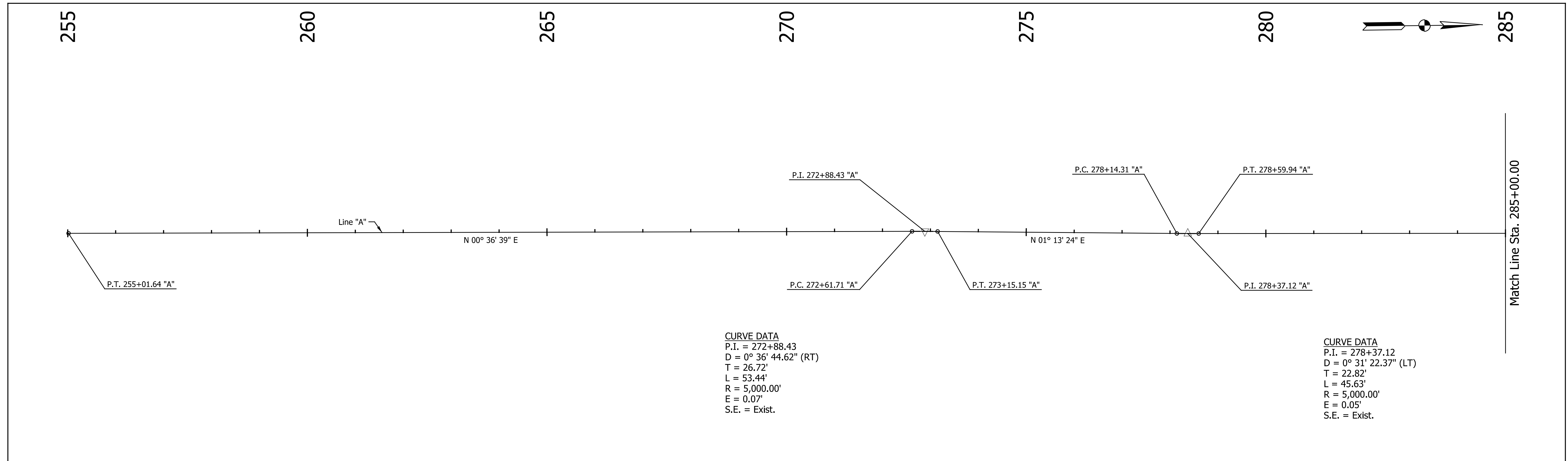
HORIZONTAL SCALE 1" = 100'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 2200507
SURVEY BOOK N/A	SHEETS 7 of 73
CONTRACT R-44589	PROJECT 2200507

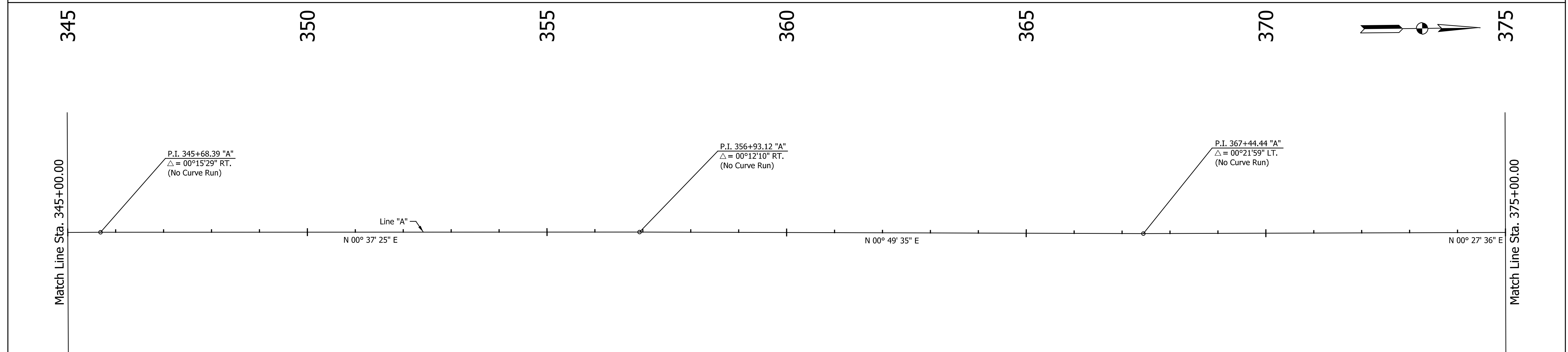
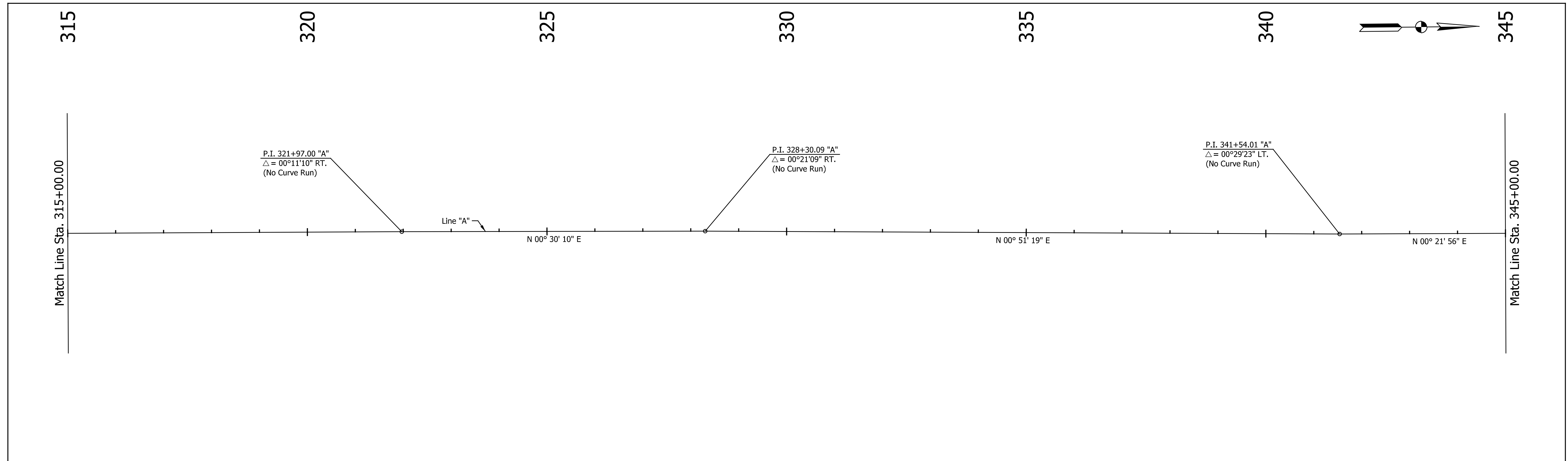
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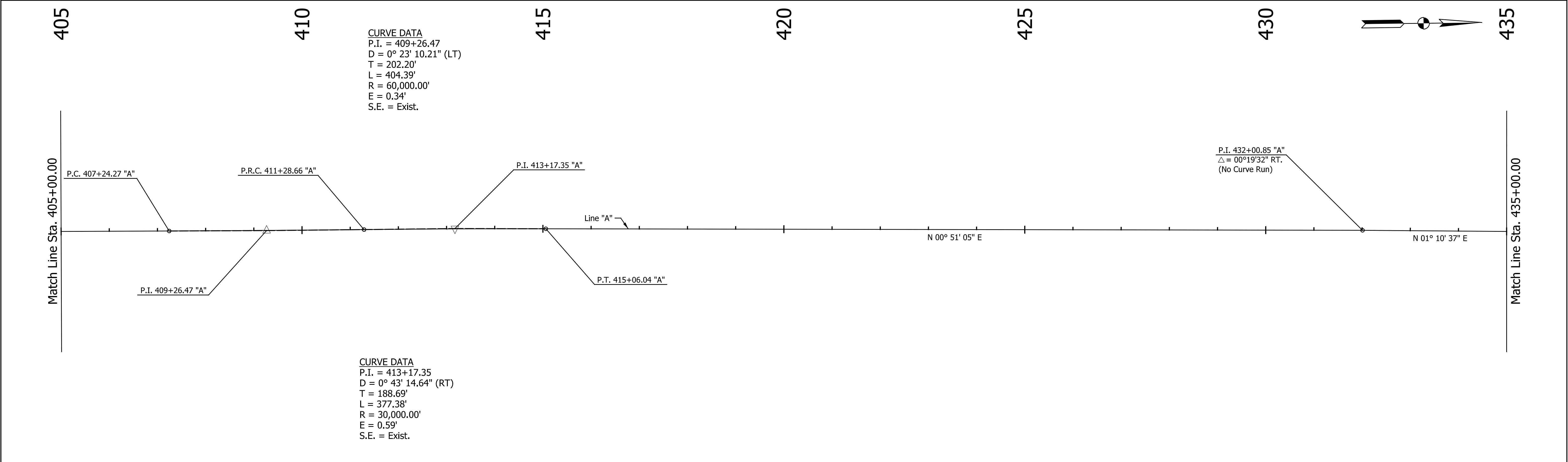
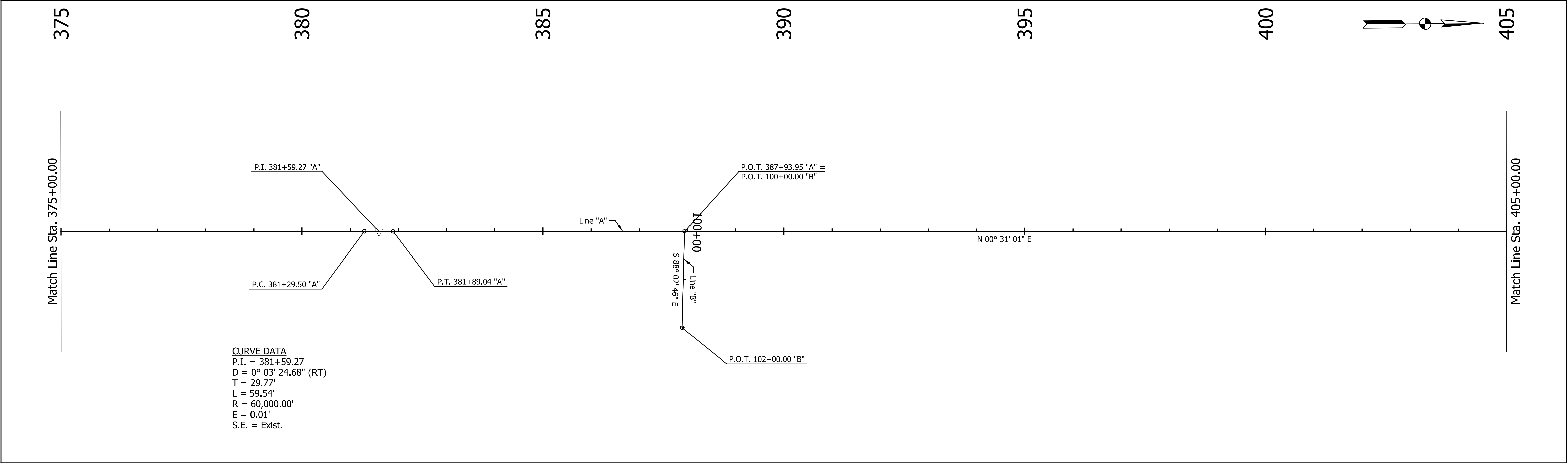
INDEX	OWNER
1	WILLIAM EARL BAILEY & DEBRA SUE BAILEY
2	WILLIAM EARL BAILEY & DEBRA SUE BAILEY
3	WHITEWATER CHRISTIAN CHURCH
4	DEAN R. MILLS
5	PATTY O'DONNELL
6	DYLAN M. PERKINS
7	ALLAN J. & ANGELA M. KENNEDY

DATE	REVISION					RECOMMENDED FOR APPROVAL	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE		BRIDGE FILE		
									1" = 100'		N/A		
									VERTICAL SCALE		DESIGNATION		
									N/A		2200507		
									SURVEY BOOK		SHEETS		
									N/A		8	of	73
									CONTRACT		PROJECT		
									R-44589		2200507		

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DATE	REVISION						INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE	BRIDGE FILE
									1" = 100'	N/A
									VERTICAL SCALE	DESIGNATION
									N/A	2200507
									SURVEY BOOK	SHEETS
									N/A	11 of 73
									CONTRACT	PROJECT
									R-44589	2200507

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: LAM	DRAWN: MCC	
CHECKED: JPS	CHECKED: JPS	

GEOMETRIC TIE-UPS	
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Match Line Sta. 435+00.00

P.I. 443+20.37 "A"
△= 00°20'12" LT.
(No Curve Run)

Line "A"
N 1° 10' 37" E

BENCHMARK INFORMATION (NAVD 88 DATUM)

TBM #50
MAG SPIKE SET WEST SIDE UTILITY POLE 567-220 LOCATED ±30'
EAST OF   SR 227 AND ±25' SOUTH OF   STONE DRIVE.
ELEV: 1191.40

TBM #51
MAG SPIKE SET WEST SIDE UTILITY POLE 567-258 LOCATED ±30'
EAST OF   SR 227 AND ±65' NORTH OF   STONE DRIVE.
ELEV: 1161.84

TBM #52
MAG SPIKE SET NE SIDE UTILITY POLE 567-261 LOCATED ±25'
EAST OF   SR 227 AND ±45' NORTH OF   STONE DRIVE.
ELEV: 1164.22

TBM #53
MAG SPIKE SET NW SIDE UTILITY POLE 544-878 LOCATED ±20'
EAST OF   SR 227 AND ±35' SOUTH OF   STONE DRIVE.
ELEV: 1144.77

TBM #54
MAG SPIKE SET EAST SIDE UTILITY POLE 549-124 LOCATED ±30'
EAST OF   SR 227 AND ±100' NORTH OF   STONE DRIVE.
ELEV: 1121.77

TBM #55
MAG SPIKE SET WEST SIDE UTILITY POLE 549-097 LOCATED ±30'
EAST OF   SR 227 AND ±200' NORTH OF   STONE DRIVE.
ELEV: 1097.19

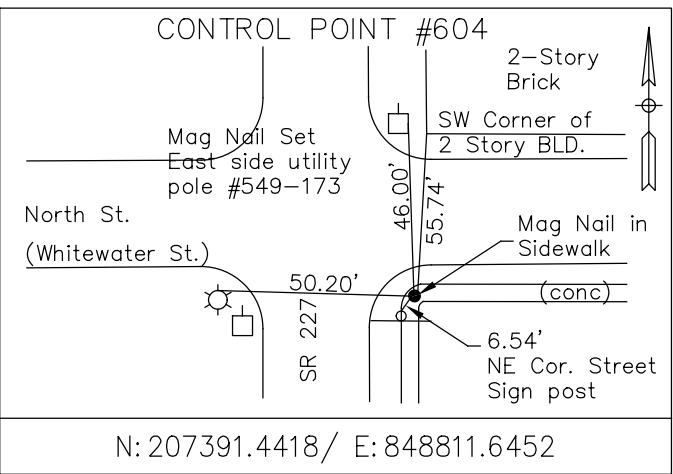
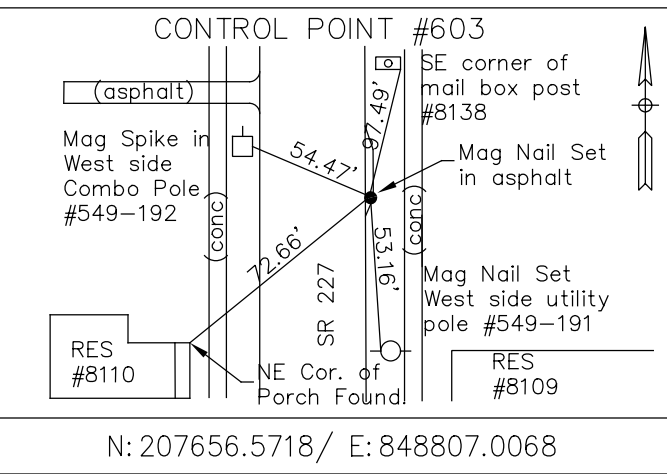
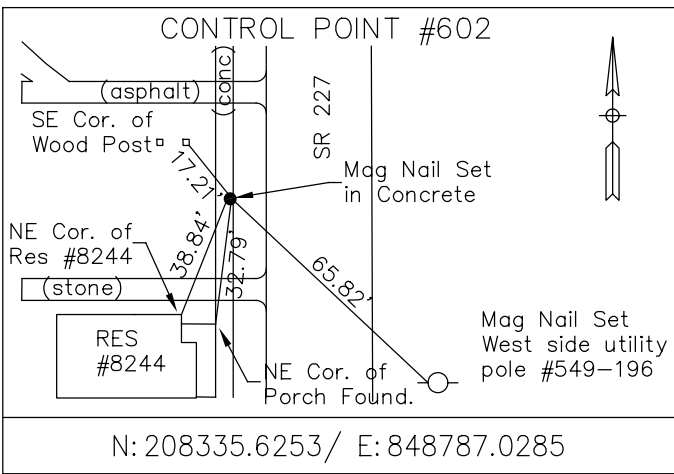
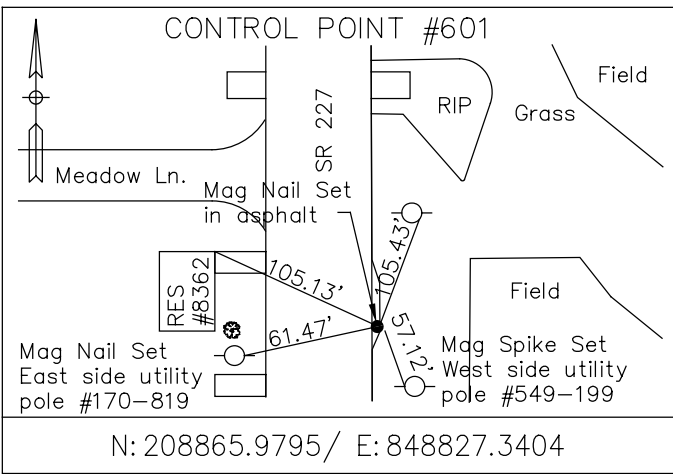
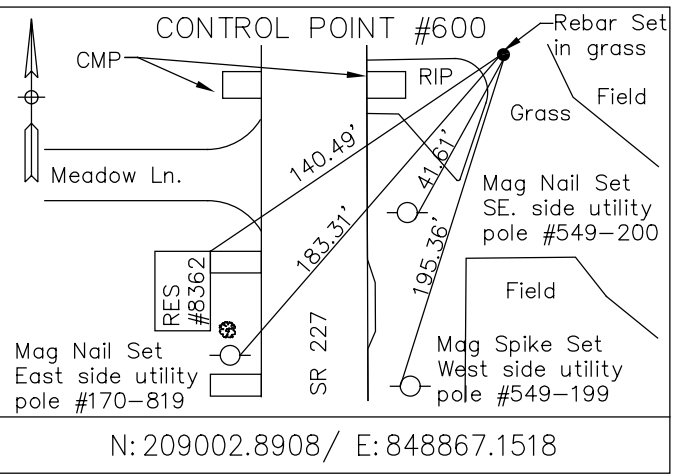
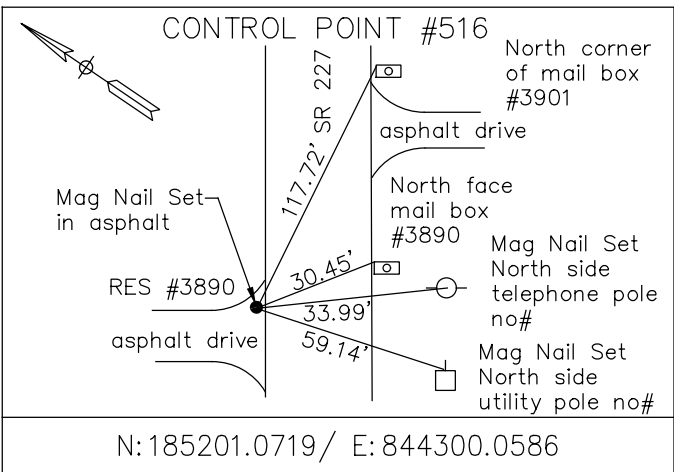
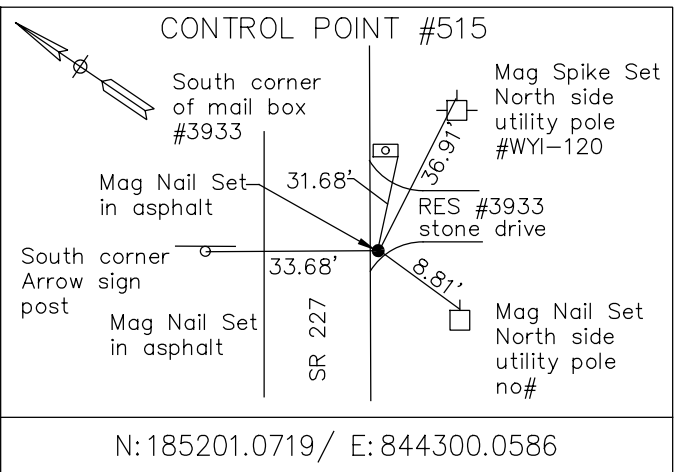
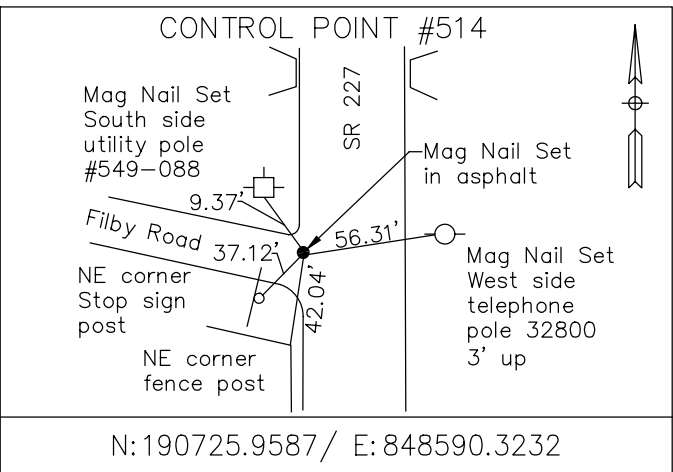
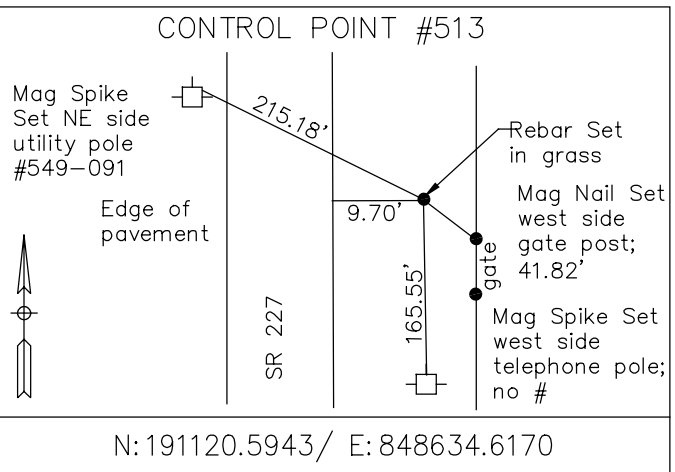
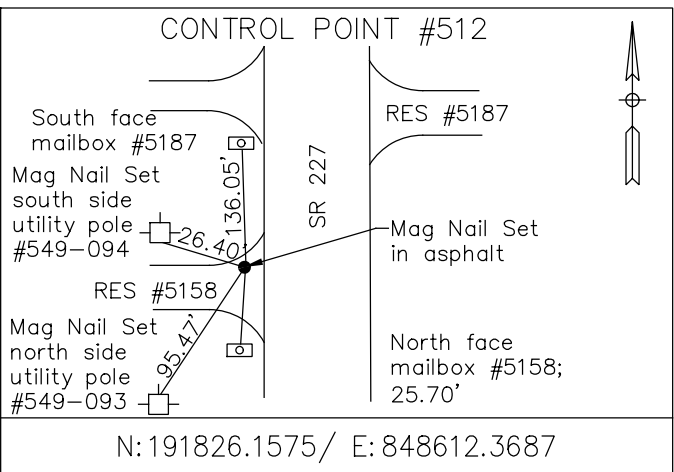
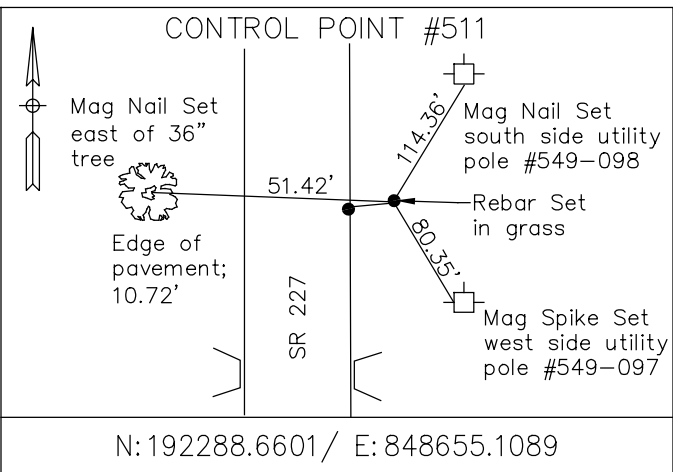
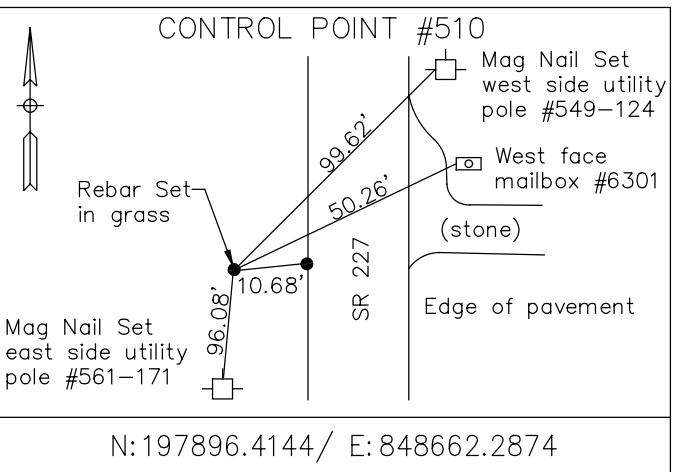
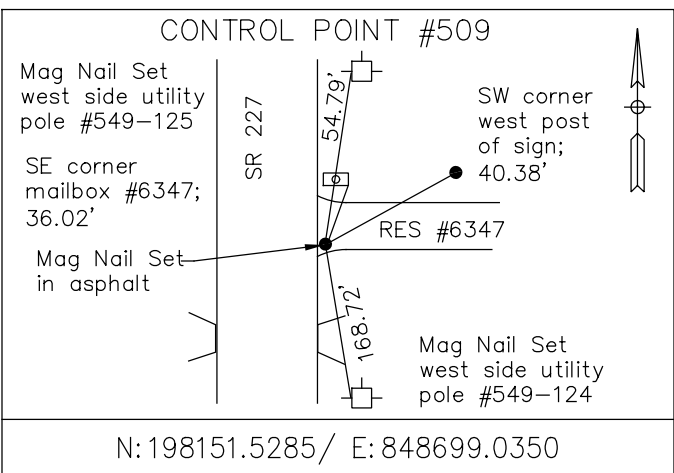
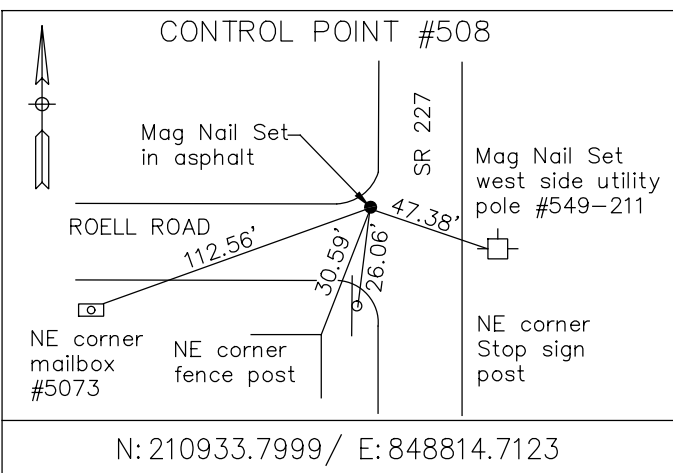
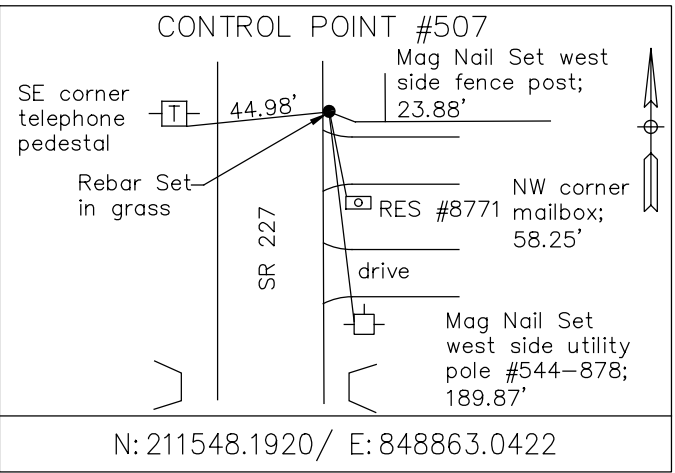
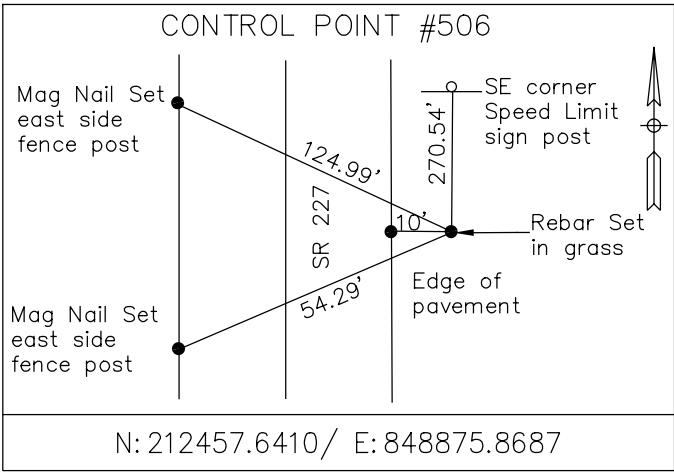
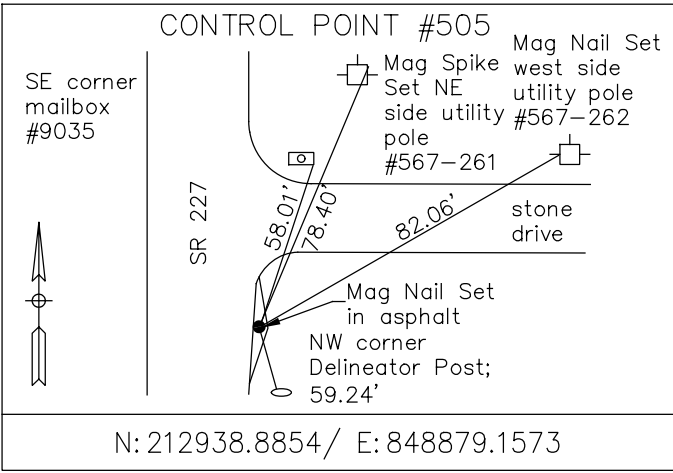
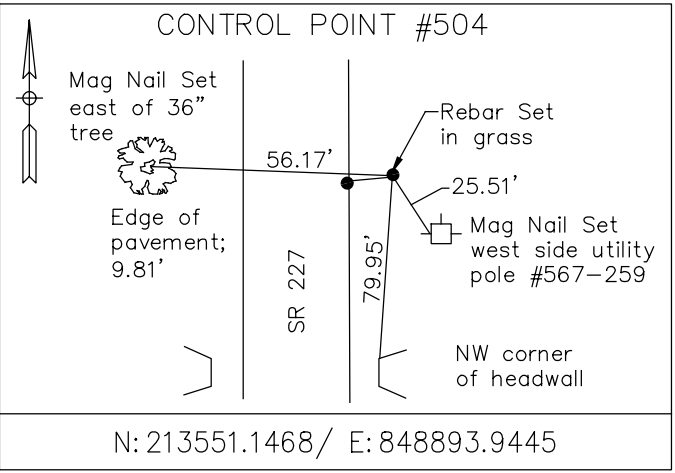
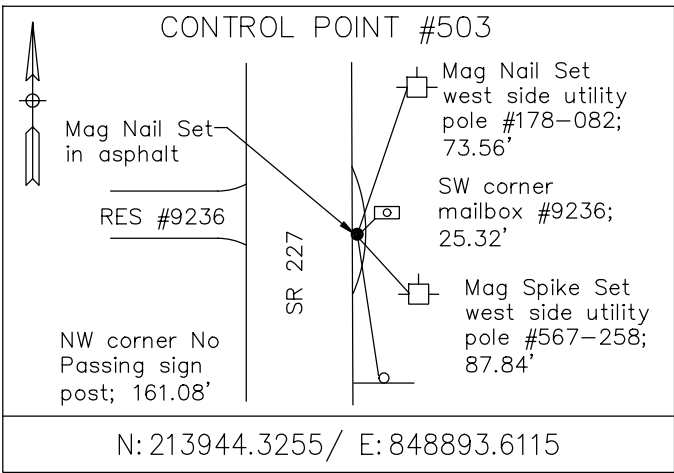
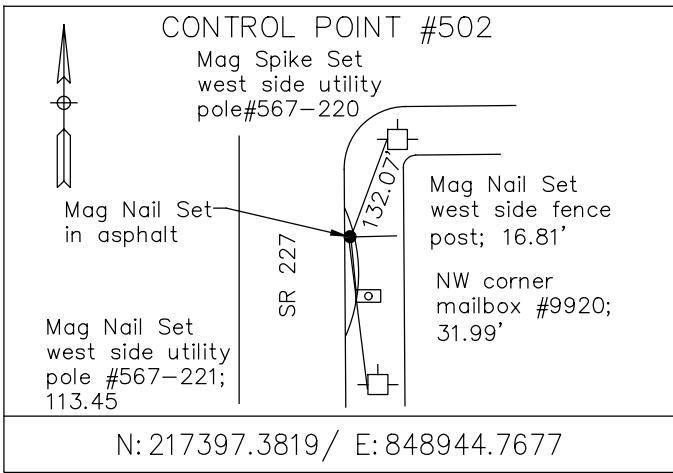
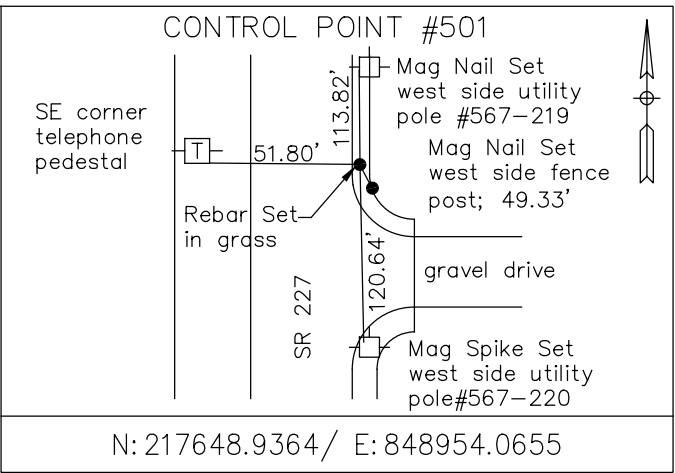
TBM #56
MAG SPIKE SET NE SIDE UTILITY POLE 549-091 LOCATED ±30'
WEST OF   SR 227 AND ±270' NORTH OF   GRASS DRIVE.
ELEV: 1088.38

TBM #57
MAG SPIKE SET WEST SIDE TELEPHONE POLE (NO#) LOCATED ±30'
EAST OF   SR 227 AND ±55' NORTH OF   FILBY ROAD.
ELEV: 1083.05

TBM #58
MAG SPIKE SET NW SIDE UTILITY POLE WYI-120 LOCATED ±25'
SOUTHEAST OF   SR 227 AND ±20' NORTHEAST OF STONE DRIVE.
ELEV: 1027.92

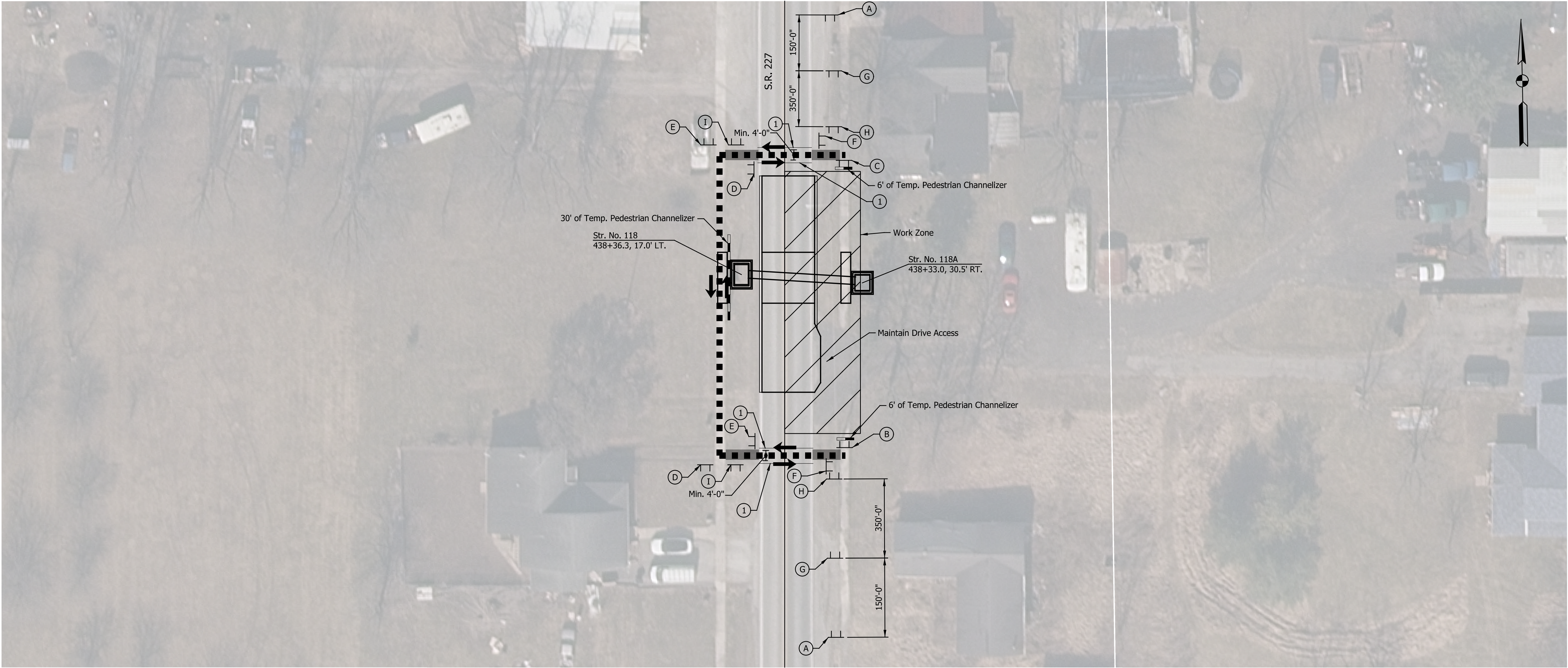
TBM #60
MAG SPIKE SET WEST SIDE UTILITY POLE 649-199 LOCATED ±30'
EAST OF   SR 227 AND ±5' SOUTH OF   OF RES. #8340 DRIVE.
ELEV: 1128.933

TBM #61
MAG SPIKE FOUND WEST SIDE UTILITY POLE 649-192 LOCATED
±350' NORTH OF   WHITEWATER ROAD AND ±20' EAST OF   SR
227. ELEV: 1128.520



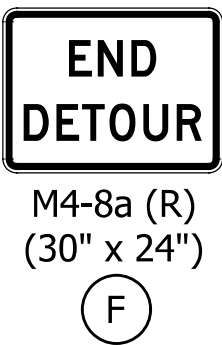
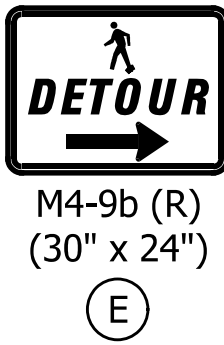
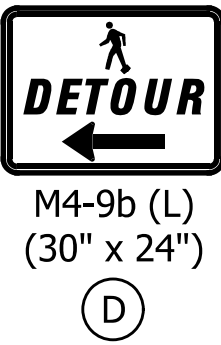
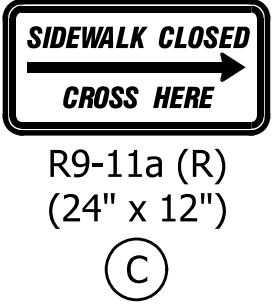
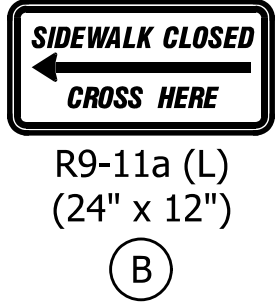
DATE	REVISION			RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE	BRIDGE FILE
									1" = 100'	N/A
									VERTICAL SCALE	DESIGNATION
									N/A	2200507
									SURVEY BOOK	SHEETS
									N/A	12 of 73
									CONTRACT	PROJECT
									R-44589	2200507

GEOMETRIC TIE-UPS

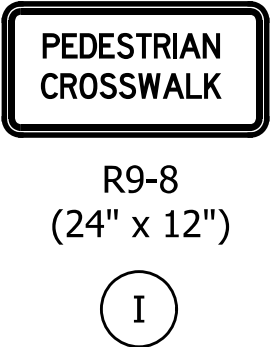
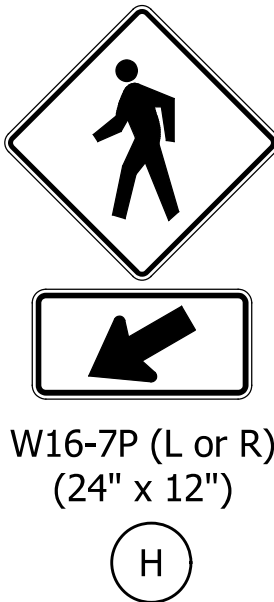


LEGEND

- Direction of Traffic
- Detour Route
- ▨ Construction Area
- Construction Sign
- Temporary Aggregate for Curb Ramp
- Temporary Pedestrian Channelizer
- Vehicle Redirection Not Required
- ① Temporary Pavement Marking, Removable, White, 6"



W11-2
(30" x 30")



QUANTITY SUMMARY - PEDESTRIAN DETOUR FOR CULVERT CONSTRUCTION EAST OF SR 227

Construction Sign, Type A	2	Each
Construction Sign, Type B	18	Each
Temp. Pvmt. Mrk., Removable, White, 6 in.	84	Lft.
Temporary Pedestrian Channelizer	42	Lft.
Temporary Aggregate Ramps	2.44	Ton

- Notes:
- Contractor shall maintain Temporary Access to all Driveways during Construction.
 - Contractor shall maintain Pedestrian Access through Construction and Construct the Culvert in pieces that allow this.

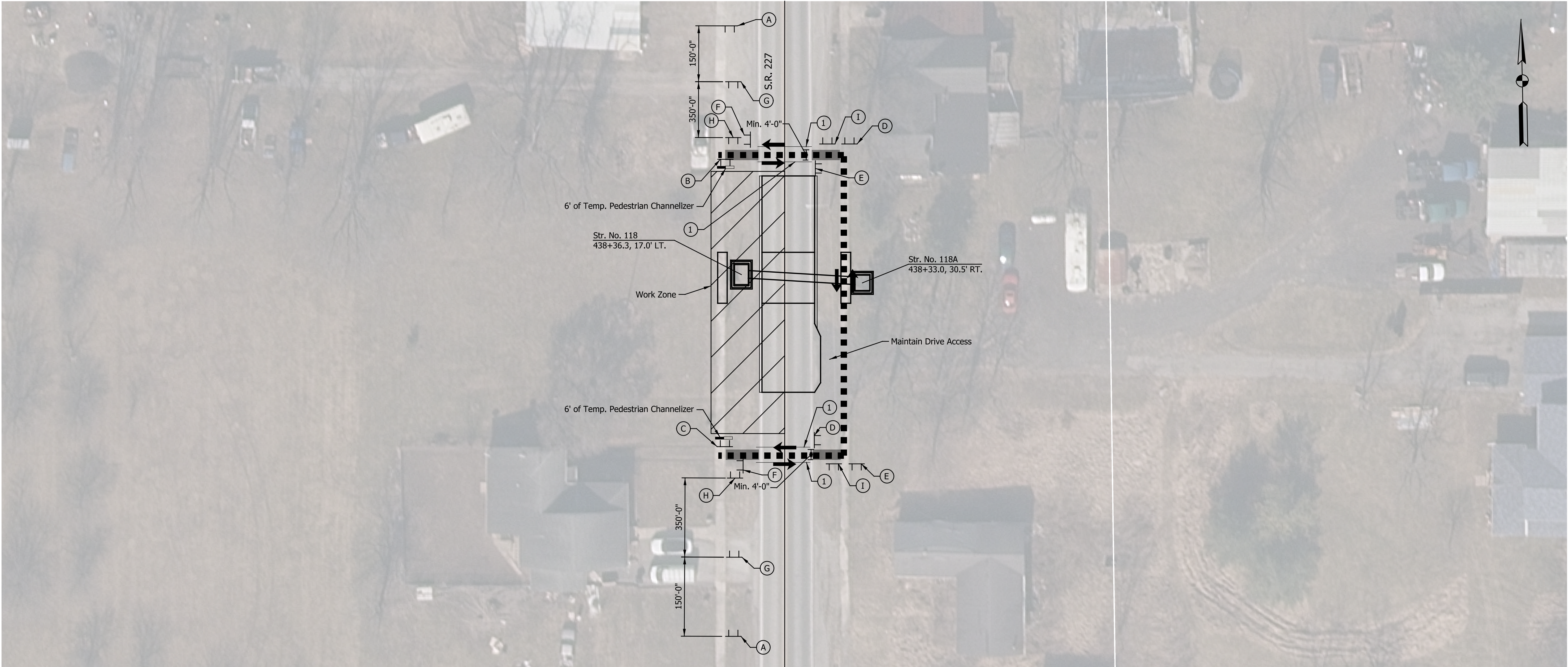
DATE	REVISION

RECOMMENDED FOR APPROVAL _____	
DESIGNED: _____ MRO	DRAWN: _____ MRO
CHECKED: _____ LAM	CHECKED: _____ LAM

INDIANA
DEPARTMENT OF TRANSPORTATION

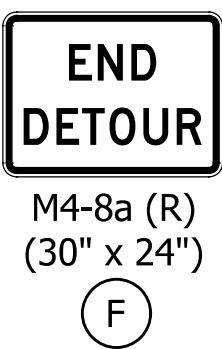
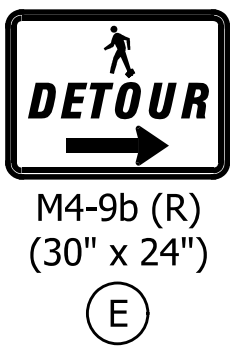
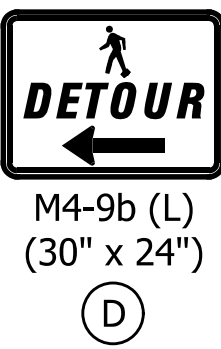
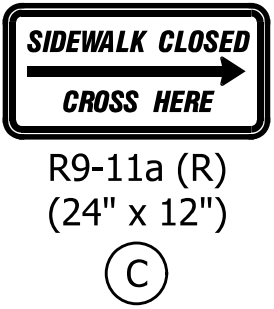
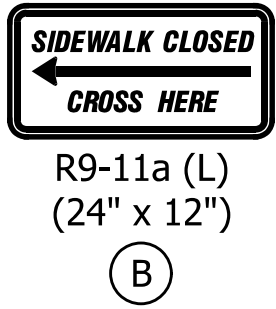
MAINTENANCE OF TRAFFIC
PEDESTRIAN DETOUR ROUTE PHASE I

HORIZONTAL SCALE	BRIDGE FILE	
1" = 20'	N/A	
VERTICAL SCALE	DESIGNATION	
N/A	2200507	
SURVEY BOOK	SHEETS	
N/A	14	of 73
CONTRACT	PROJECT	
R-44589	2200507	

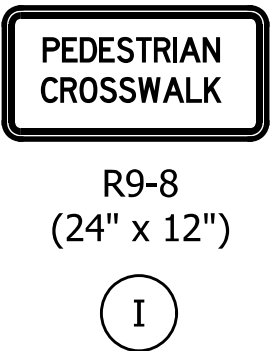
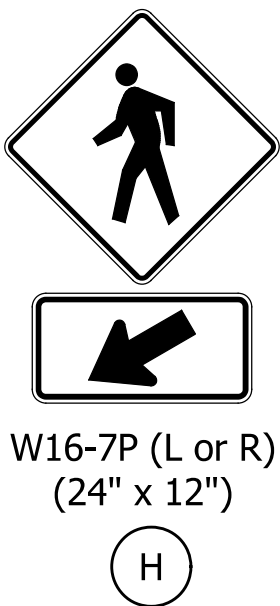


LEGEND

- ➔ Direction of Traffic
- Detour Route
- ▨ Construction Area
- Construction Sign
- Temporary Aggregate for Curb Ramp
- Temporary Pedestrian Channelizer
- Vehicle Redirection Not Required
- ① Temporary Pavement Marking, Removable, White, 6"



W11-2
(30" x 30")



QUANTITY SUMMARY - PEDESTRIAN DETOUR FOR CULVERT CONSTRUCTION WEST OF SR 227

Construction Sign, Type A	2	Each
Construction Sign, Type B	18	Each
Temp. Pvmt. Mrk., Removable, White, 6 in.	84	Lft.
Temporary Pedestrian Channelizer	12	Lft.
Temporary Aggregate Ramps	2.44	Ton

- Notes:
- Contractor shall maintain Temporary Access to all Driveways during Construction.
 - Contractor shall maintain Pedestrian Access through Construction and Construct the Culvert in pieces that allow this.

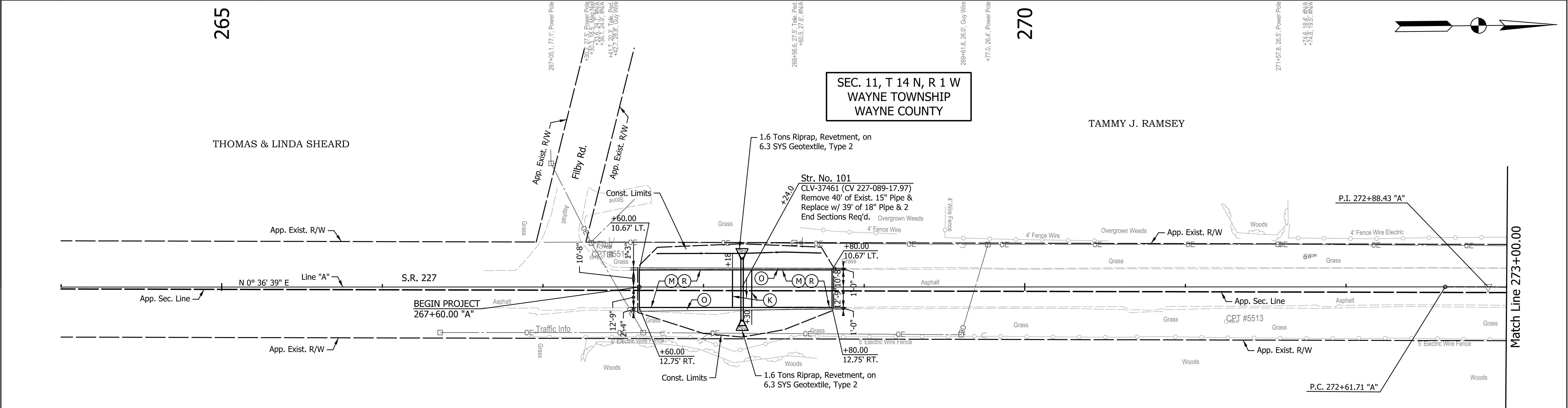
DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MRO	DRAWN: MRO	
CHECKED: LAM	CHECKED: LAM	

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PEDESTRIAN DETOUR ROUTE PHASE II

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2200507
SURVEY BOOK	SHEETS
N/A	15 of 73
CONTRACT	PROJECT
R-44589	2200507



LEGEND

- (F) Sidewalk, Concrete 4 in.

(G) Guardrail, MGS W-Beam

(G1) Guardrail End Treatment, Type OS

(K) Full Depth HMA Pavement
(See Typical Sections)

(M) Milling, Asphalt, 1.5 in.

(M1) Milling, Approach
- (D) HMA Approaches, Type B consisting of
165 lbs/syd. HMA Surface, Type B, on
275 lbs/syd. HMA Intermediate, Type B, on
6 in. Compacted Aggregate No. 53, on
Subgrade Treatment, Type II

(D1) PCCP Approaches, 6 In., on
Dense Graded Subbase, 6 In., on
Subgrade Treatment, Type II
- (O) Compacted Aggregate, No. 53

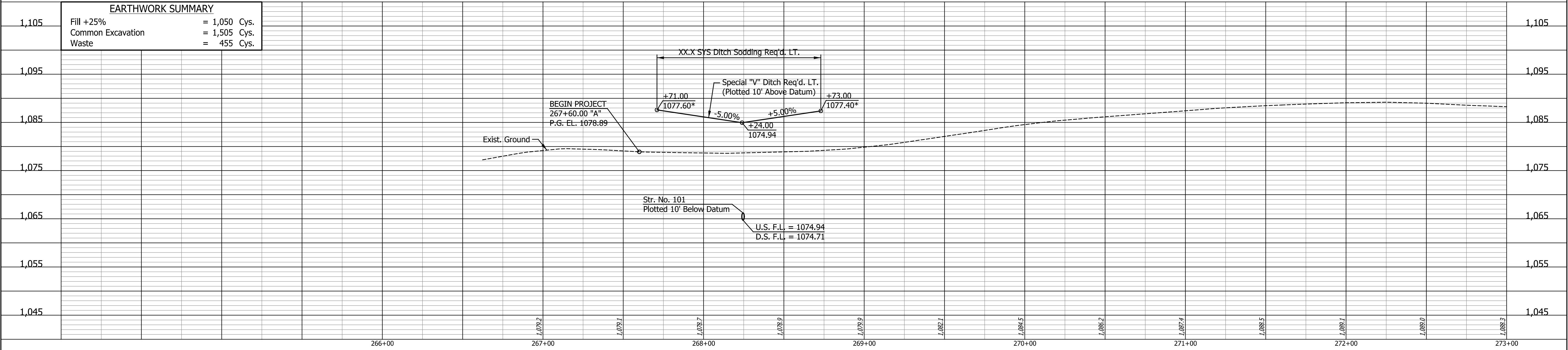
(R) 165 lbs/sys QC/QA-HMA, 3, 58H, Surface, 9.5 mm

(25) Seed Mixture, R

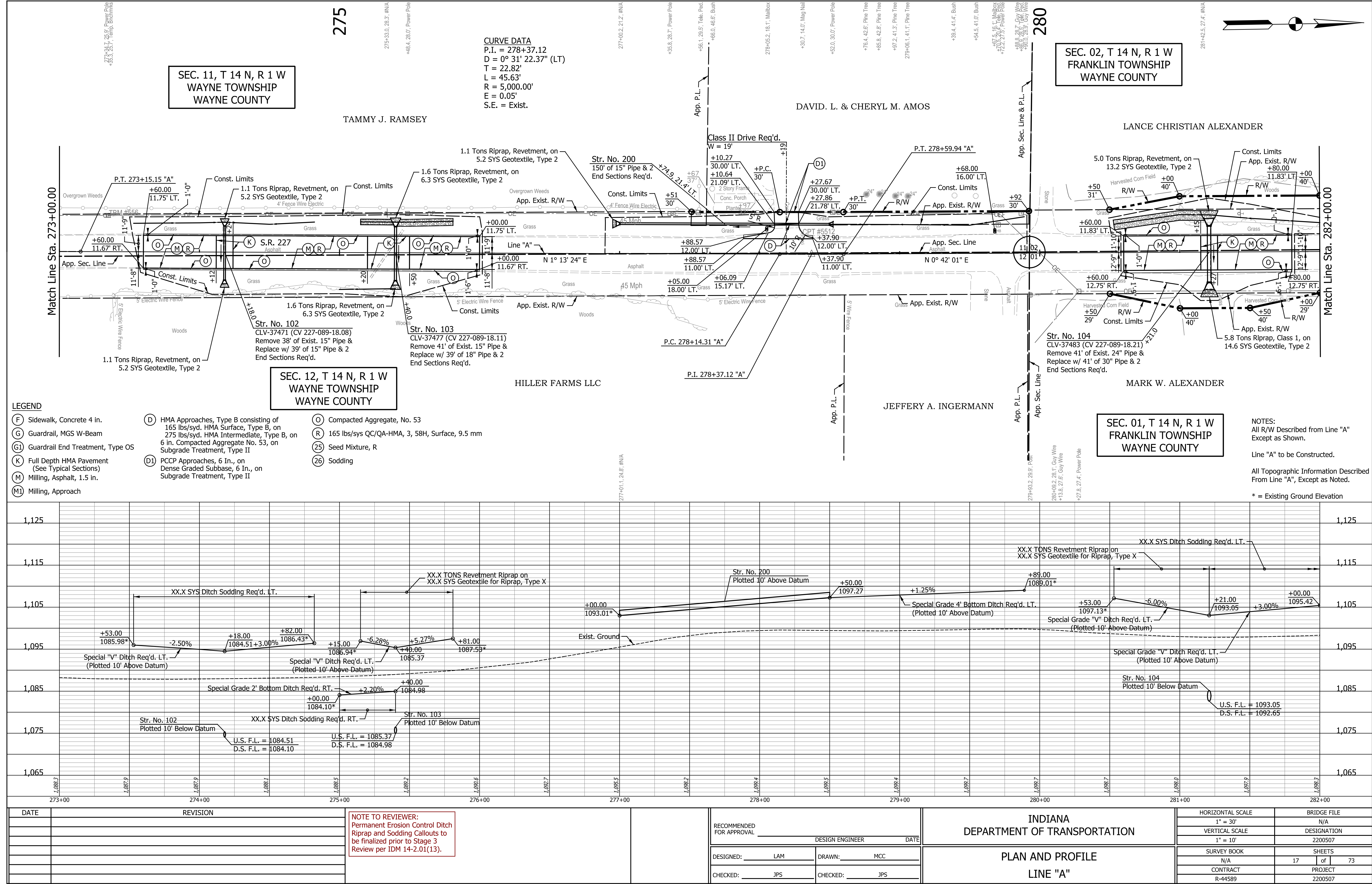
(26) Sodding

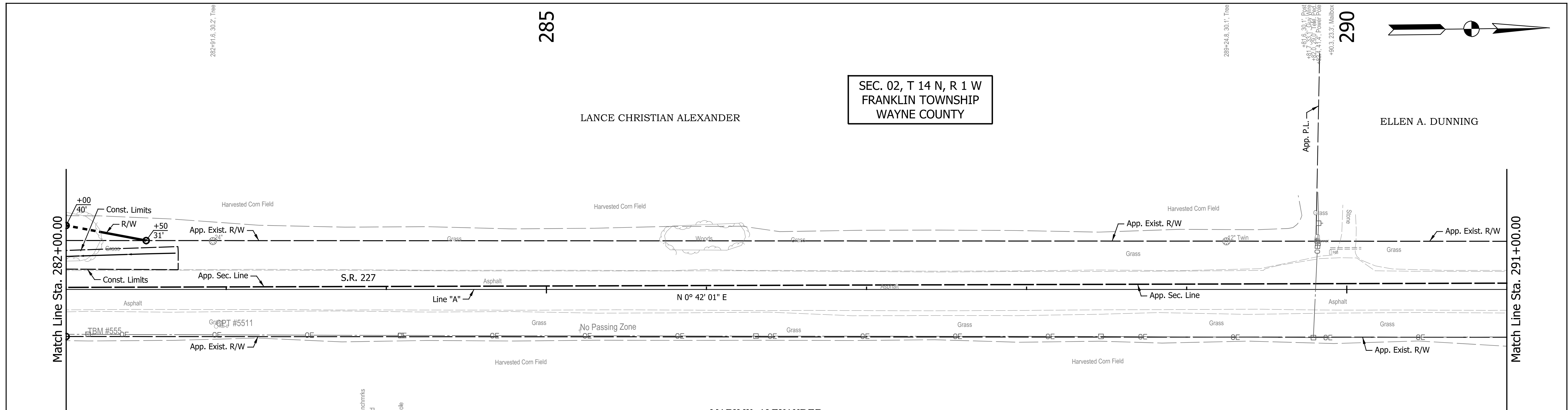
CURVE DATA
P.I. = 272+88.43
D = 0° 36' 44.62" (RT)
T = 26.72'
L = 53.44'
R = 5,000.00'
E = 0.07'
S.E. = Exist.

- NOTES:
All R/W Described from Line "A"
Except as Shown.
- Line "A" to be Constructed.
- All Topographic Information Described
From Line "A", Except as Noted.
- * = Existing Ground Elevation



DATE	REVISION	NOTE TO REVIEWER: Permanent Erosion Control Ditch Riprap and Sodding Callouts to be finalized prior to Stage 3 Review per IDM 14-2.01(13).			RECOMMENDED FOR APPROVAL	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE		BRIDGE FILE	
								1" = 30'		N/A	
					VERTICAL SCALE		DESIGNATION				
					1" = 10'		2200507				
					PLAN AND PROFILE LINE "A"		SURVEY BOOK		SHEETS		
							N/A		16 of 73		
							CONTRACT		PROJECT		
							R-44589		2200507		





LEGEND

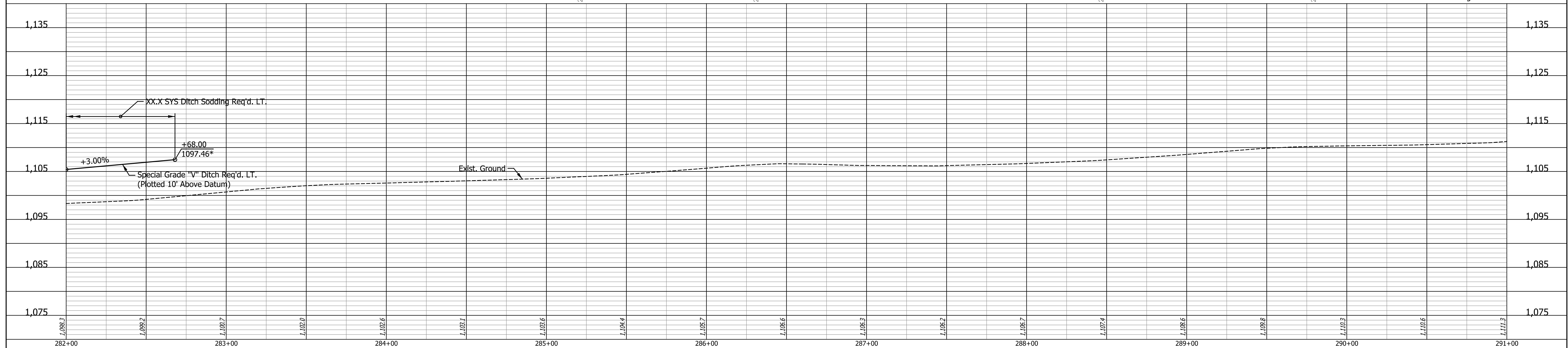
- | | | |
|---|--|--|
| (F) Sidewalk, Concrete 4 in. | (D) HMA Approaches, Type B consisting of
165 lbs/syd. HMA Surface, Type B, on
275 lbs/syd. HMA Intermediate, Type B, on
6 in. Compacted Aggregate No. 53, on
Subgrade Treatment, Type II | (O) Compacted Aggregate, No. 53 |
| (G) Guardrail, MGS W-Beam | | (R) 165 lbs/syd QC/QA-HMA, 3, 58H, Surface, 9.5 mm |
| (G1) Guardrail End Treatment, Type OS | | (25) Seed Mixture, R |
| (K) Full Depth HMA Pavement
(See Typical Sections) | (D1) PCCP Approaches, 6 In., on
Dense Graded Subbase, 6 In., on
Subgrade Treatment, Type II | (26) Sodding |
| (M) Milling, Asphalt, 1.5 in. | | |
| (M1) Milling, Approach | | |

NOTES:
All R/W Described from Line "A"
Except as Shown.

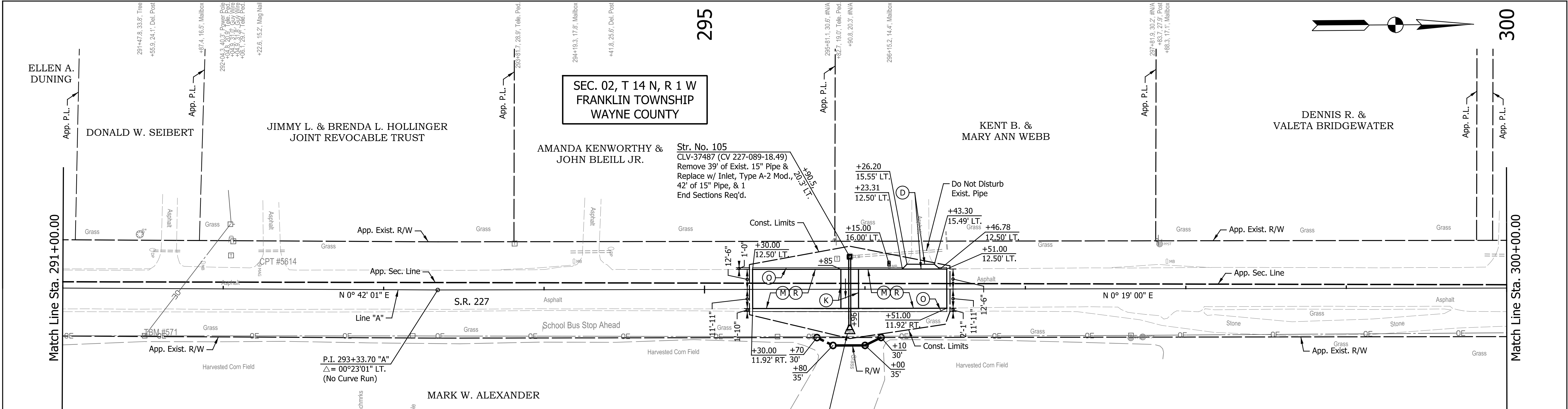
Line "A" to be Constructed.

All Topographic Information Described
From Line "A", Except as Noted.

* = Existing Ground Elevation



DATE	REVISION	NOTE TO REVIEWER: Permanent Erosion Control Ditch Riprap and Sodding Callouts to be finalized prior to Stage 3 Review per IDM 14-2.01(13).		RECOMMENDED FOR APPROVAL DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
						1" = 30'	N/A
						VERTICAL SCALE	DESIGNATION
						1" = 10'	2200507
						SURVEY BOOK	SHEETS
						N/A	18 of 73
		CHECKED: JPS	CHECKED: JPS	DESIGNED: LAM	DRAWN: MCC	CONTRACT	PROJECT
						R-44589	2200507
						PLAN AND PROFILE LINE "A"	



LEGEND

- (F) Sidewalk, Concrete 4 in.

(G) Guardrail, MGS W-Beam

(G1) Guardrail End Treatment, Type OS

(K) Full Depth HMA Pavement (See Typical Sections)

(M) Milling, Asphalt, 1.5 in.

(M1) Milling, Approach
- (D) HMA Approaches, Type B consisting of 165 lbs/syd. HMA Surface, Type B, on 275 lbs/syd. HMA Intermediate, Type B, on 6 in. Compacted Aggregate No. 53, on Subgrade Treatment, Type II

(D1) PCCP Approaches, 6 In., on Dense Graded Subbase, 6 In., on Subgrade Treatment, Type II
- (O) Compacted Aggregate, No. 53

(R) 165 lbs/sys QC/QA-HMA, 3, 58H, Surface, 9.5 mm

(25) Seed Mixture, R

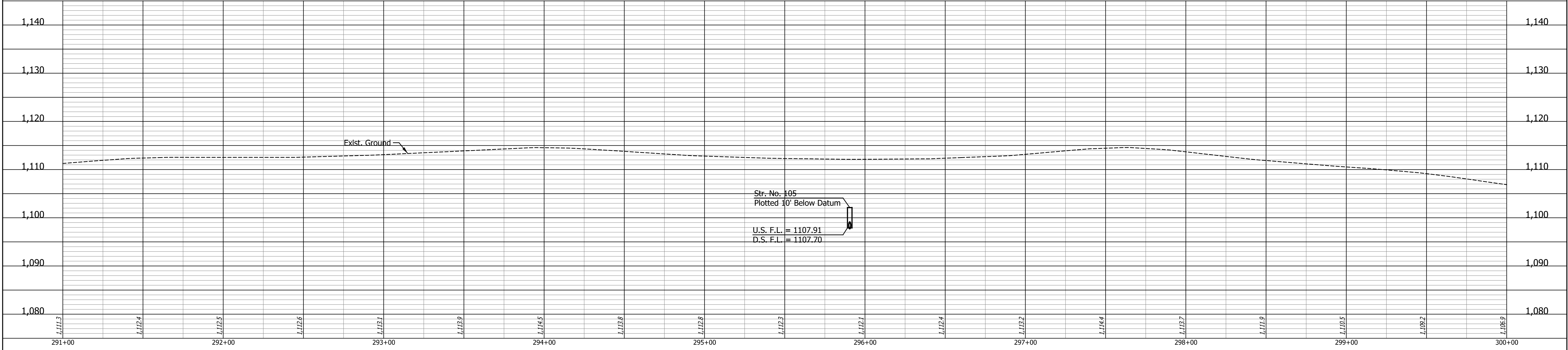
(26) Sodding

NOTES:
All R/W Described from Line "A"
Except as Shown.

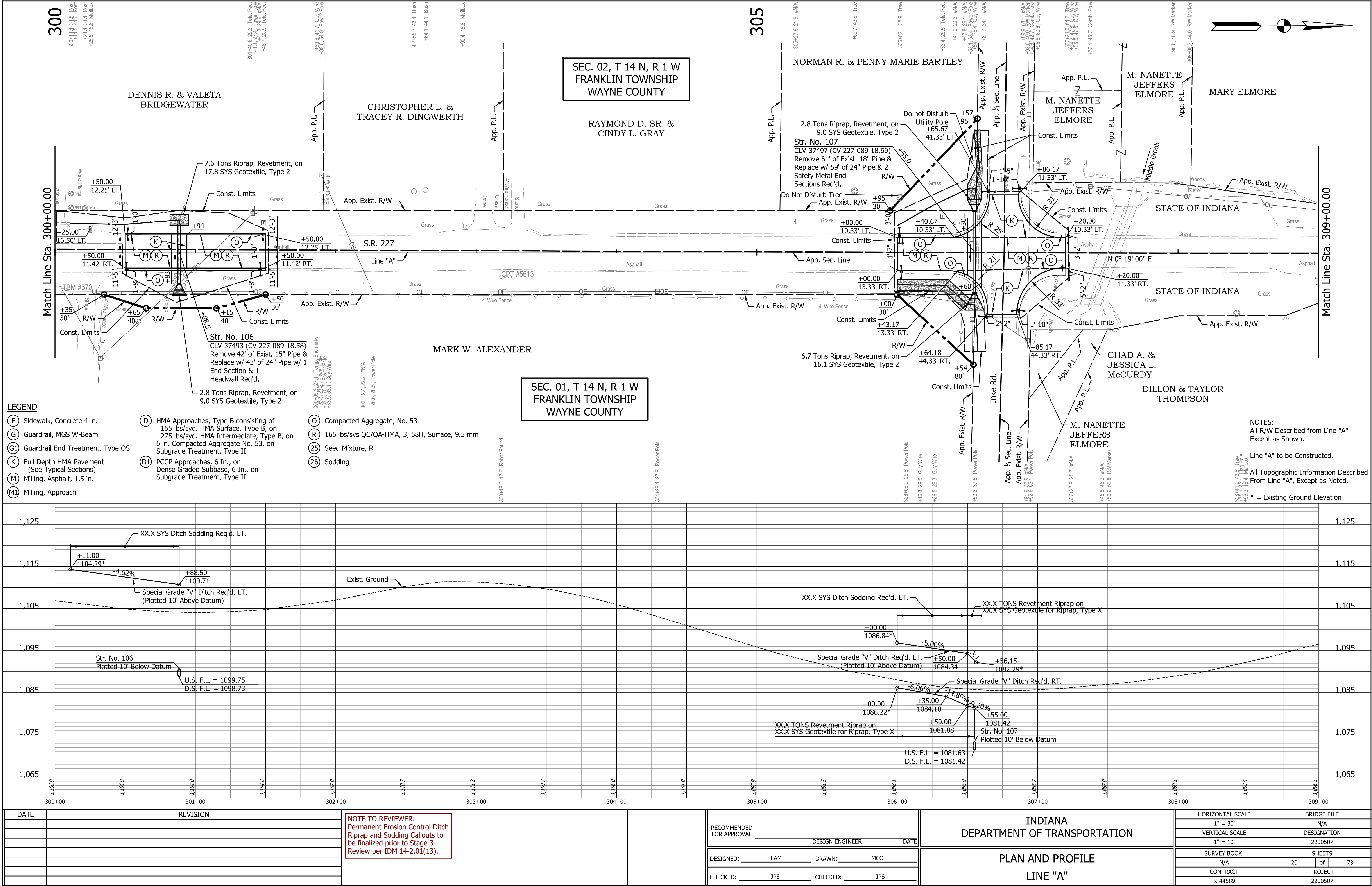
Line "A" to be Constructed.

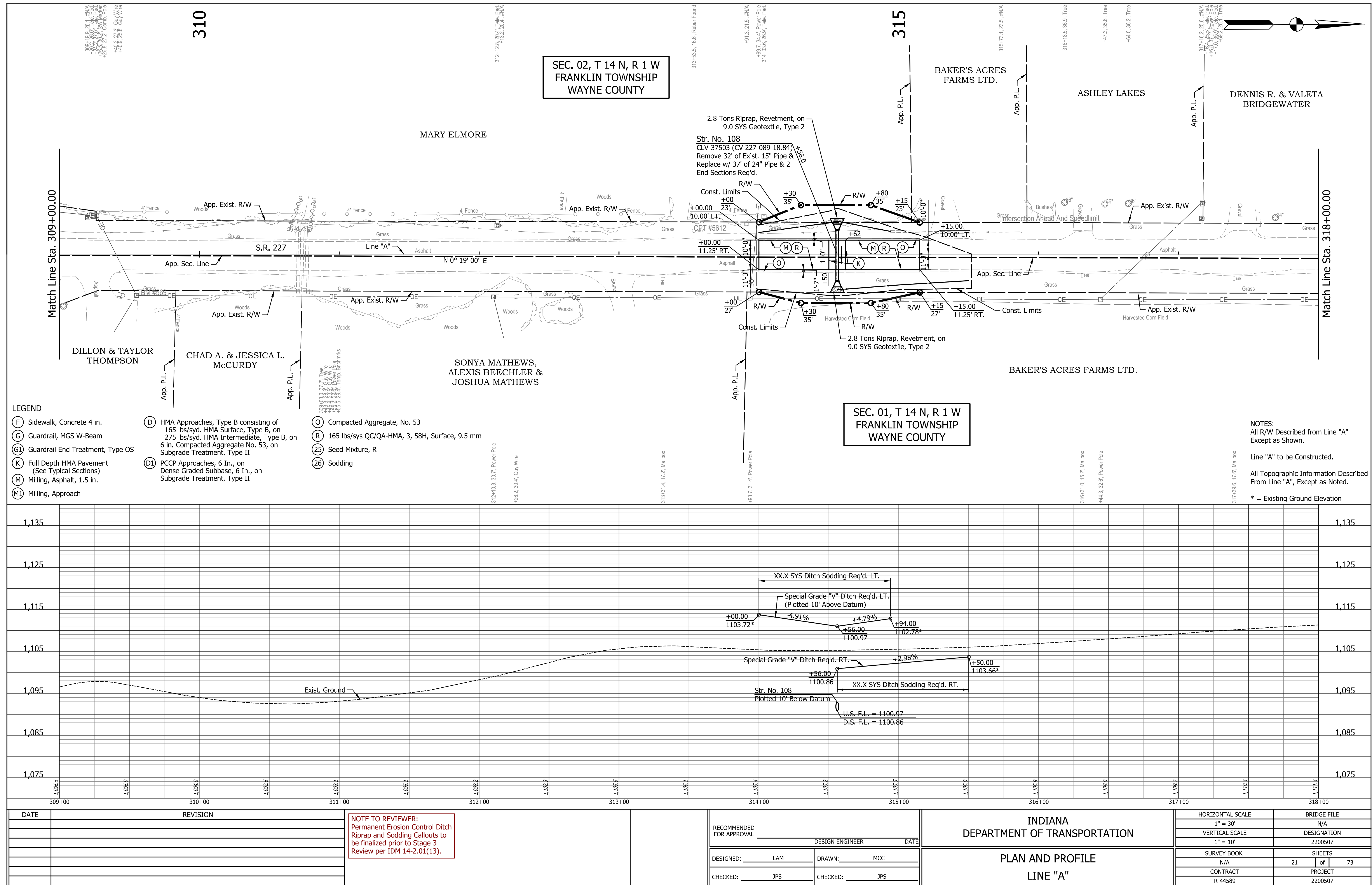
All Topographic Information Described
From Line "A", Except as Noted.

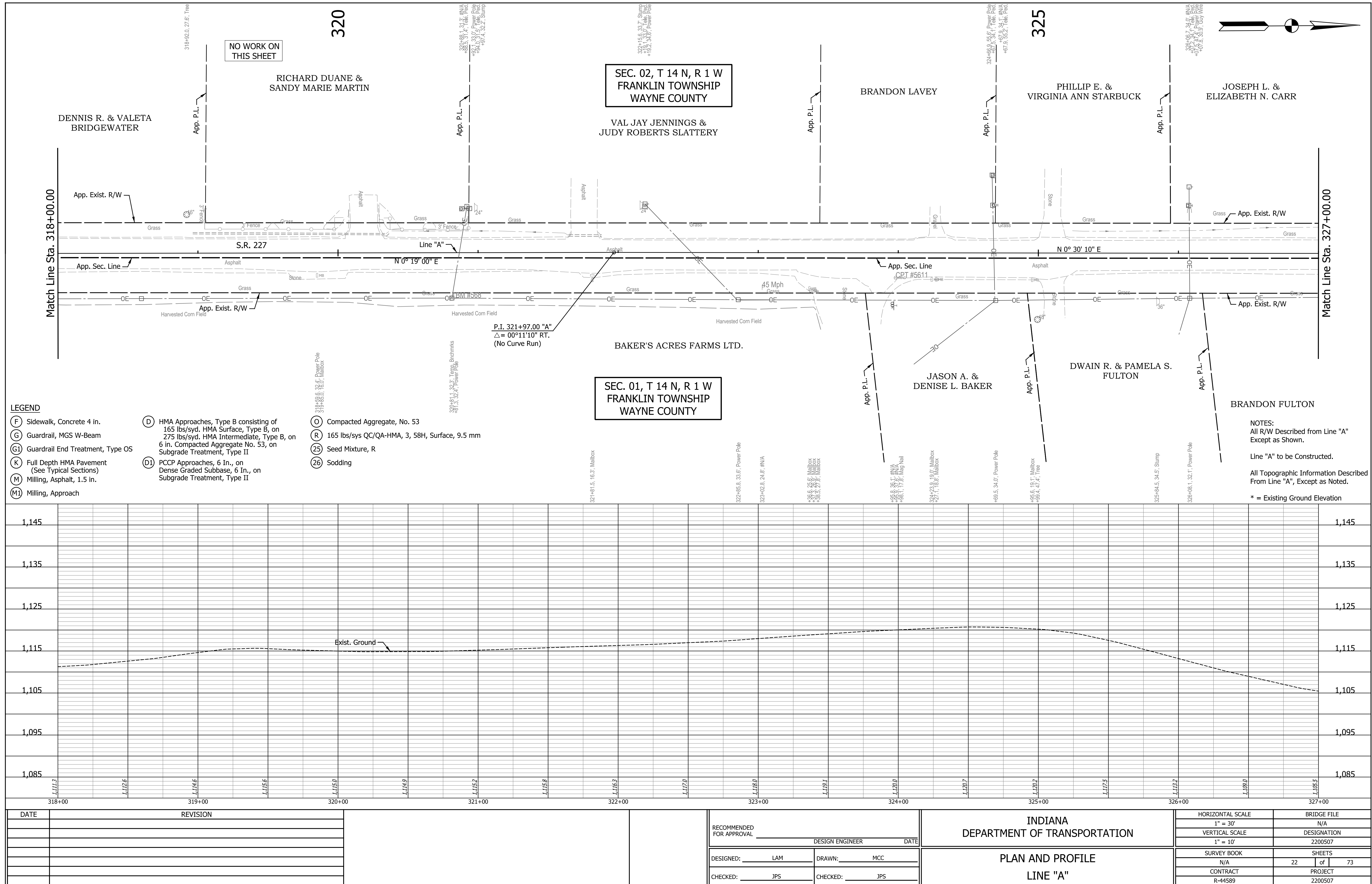
* = Existing Ground Elevation

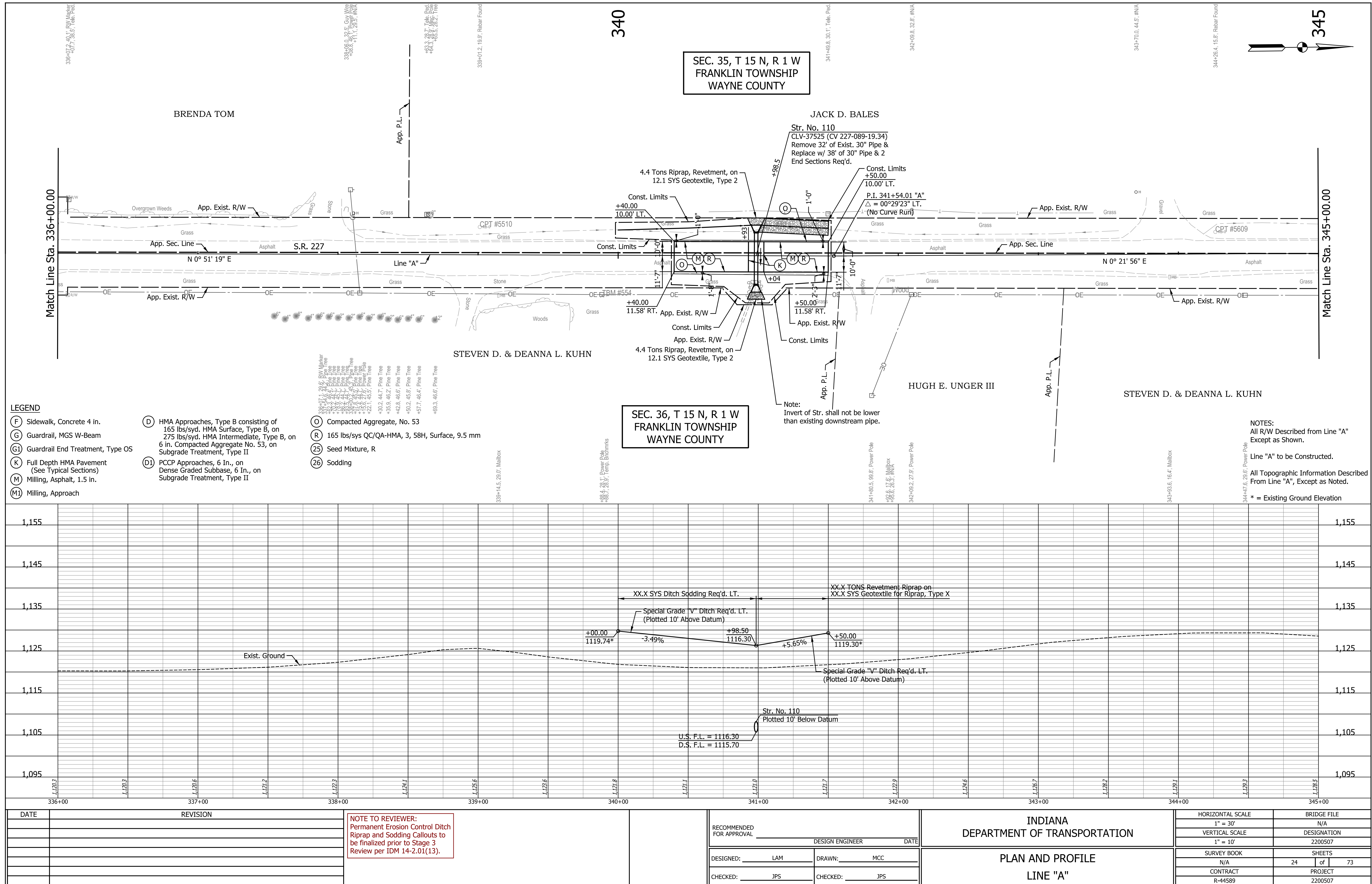


DATE		REVISION				RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE		BRIDGE FILE	
														1" = 30'		N/A	
														VERTICAL SCALE		DESIGNATION	
														1" = 10'		2200507	
														SURVEY BOOK		SHEETS	
														N/A	19	of	73
														CONTRACT		PROJECT	
														R-44589		2200507	

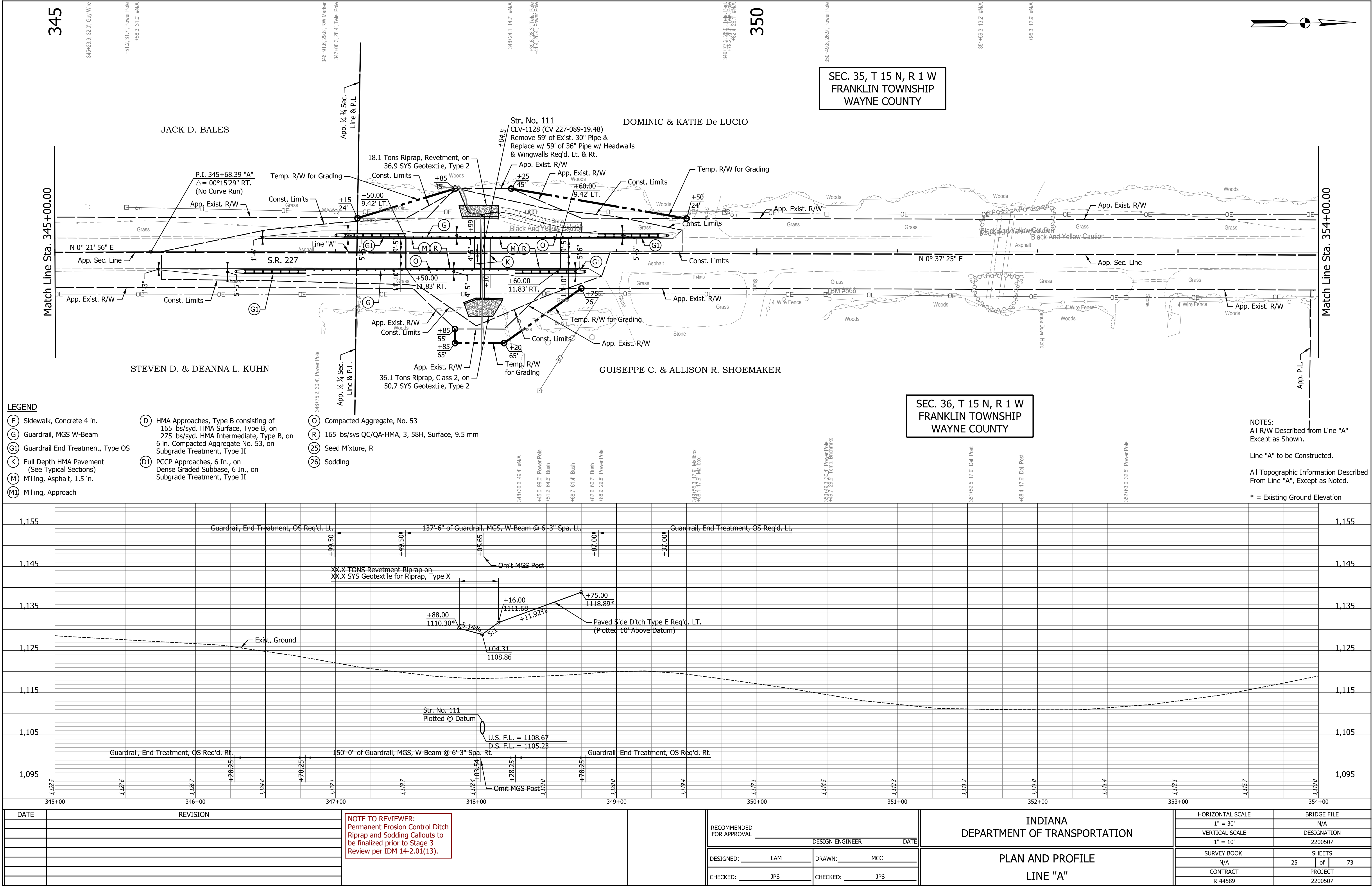


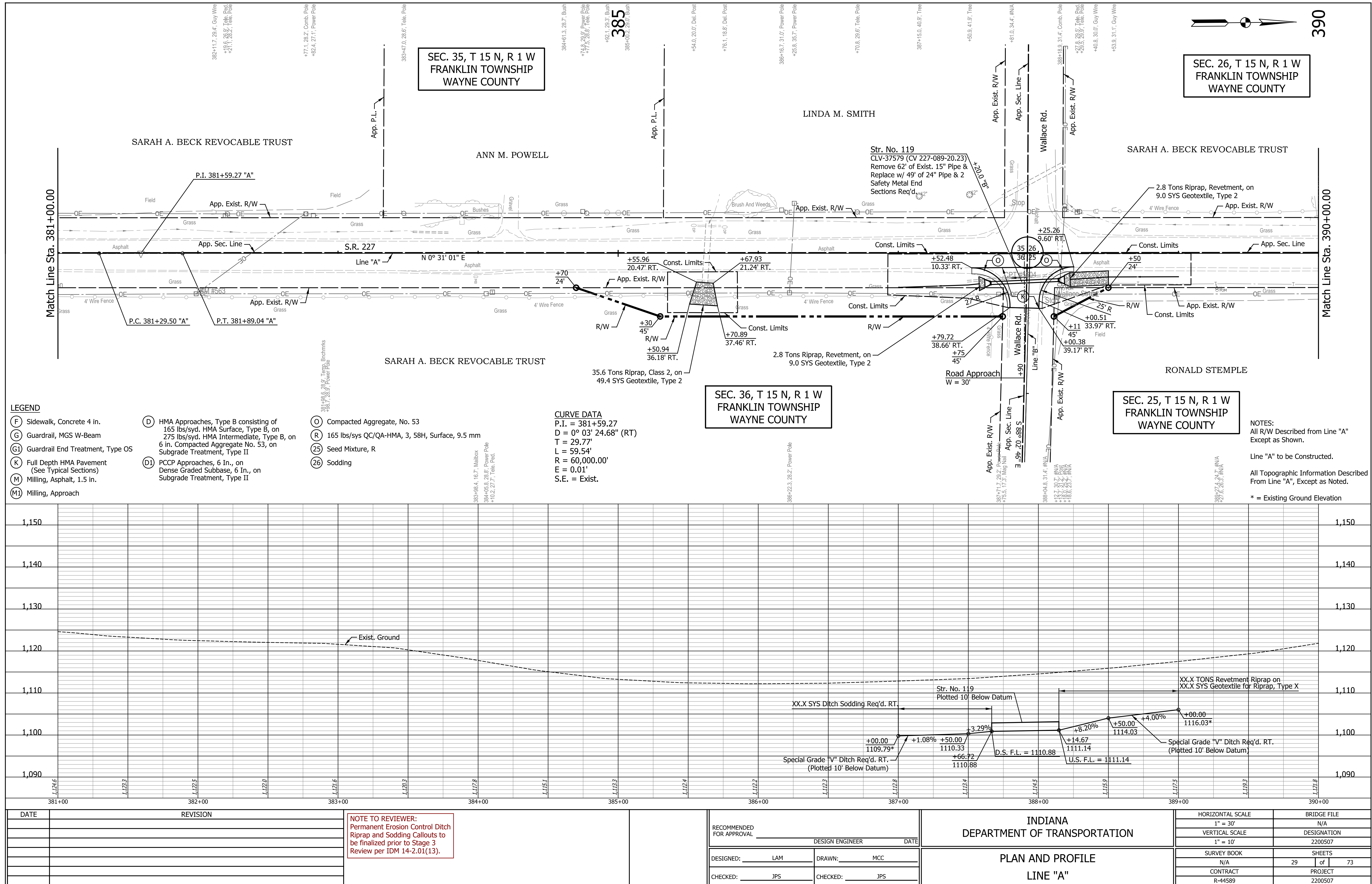


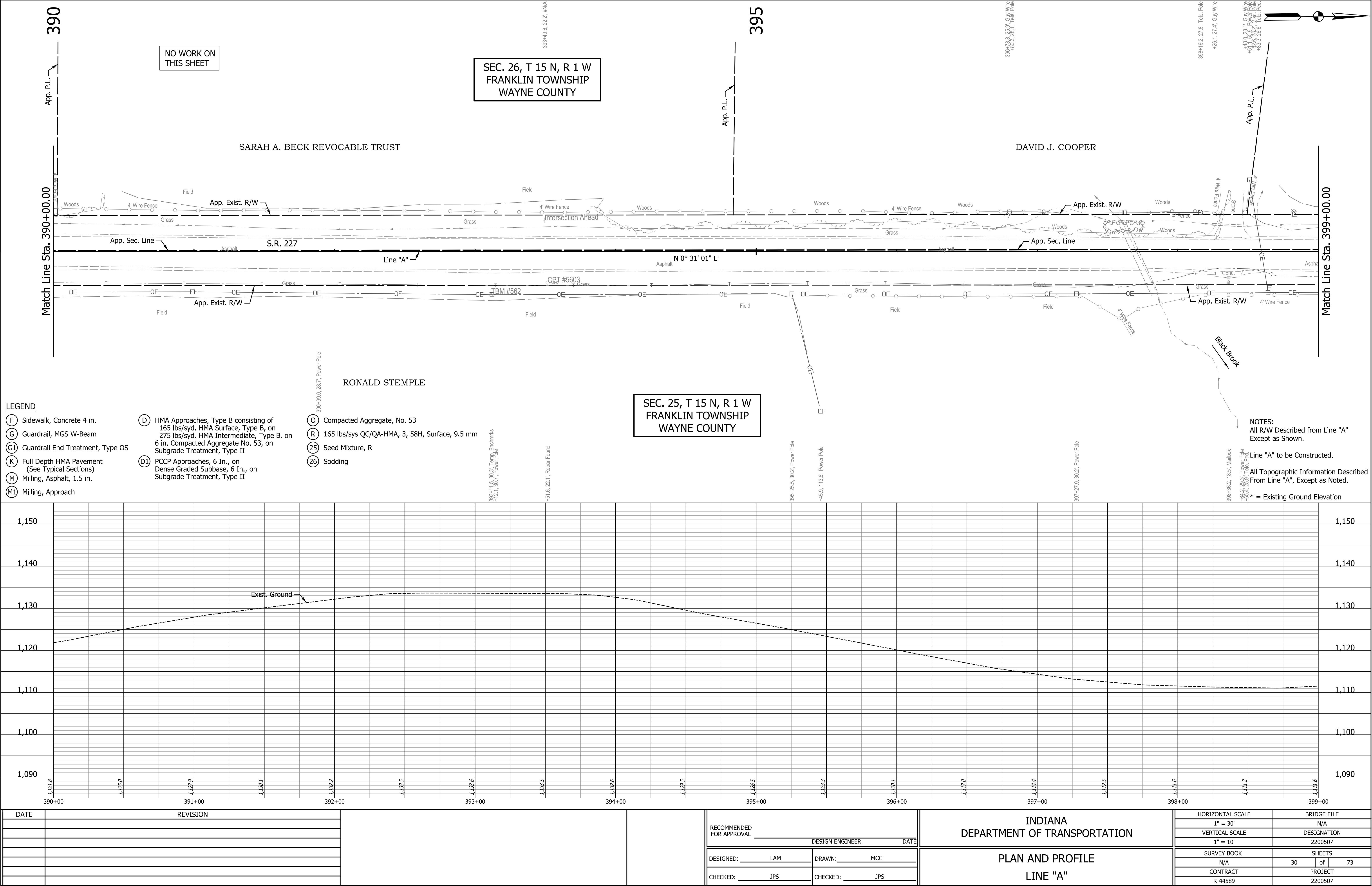




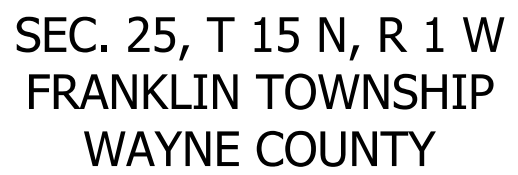
Ind-Std-01610
Indiana State Std







SEC. 26, T 15 N, R 1 W
FRANKLIN TOWNSHIP
WAYNE COUNTY

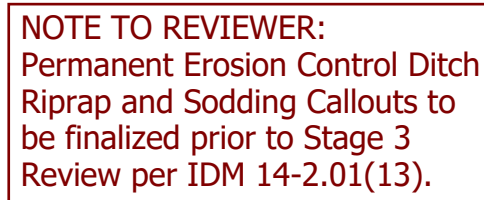


NOTES:
All R/W Described from Line "A"
Except as Shown.

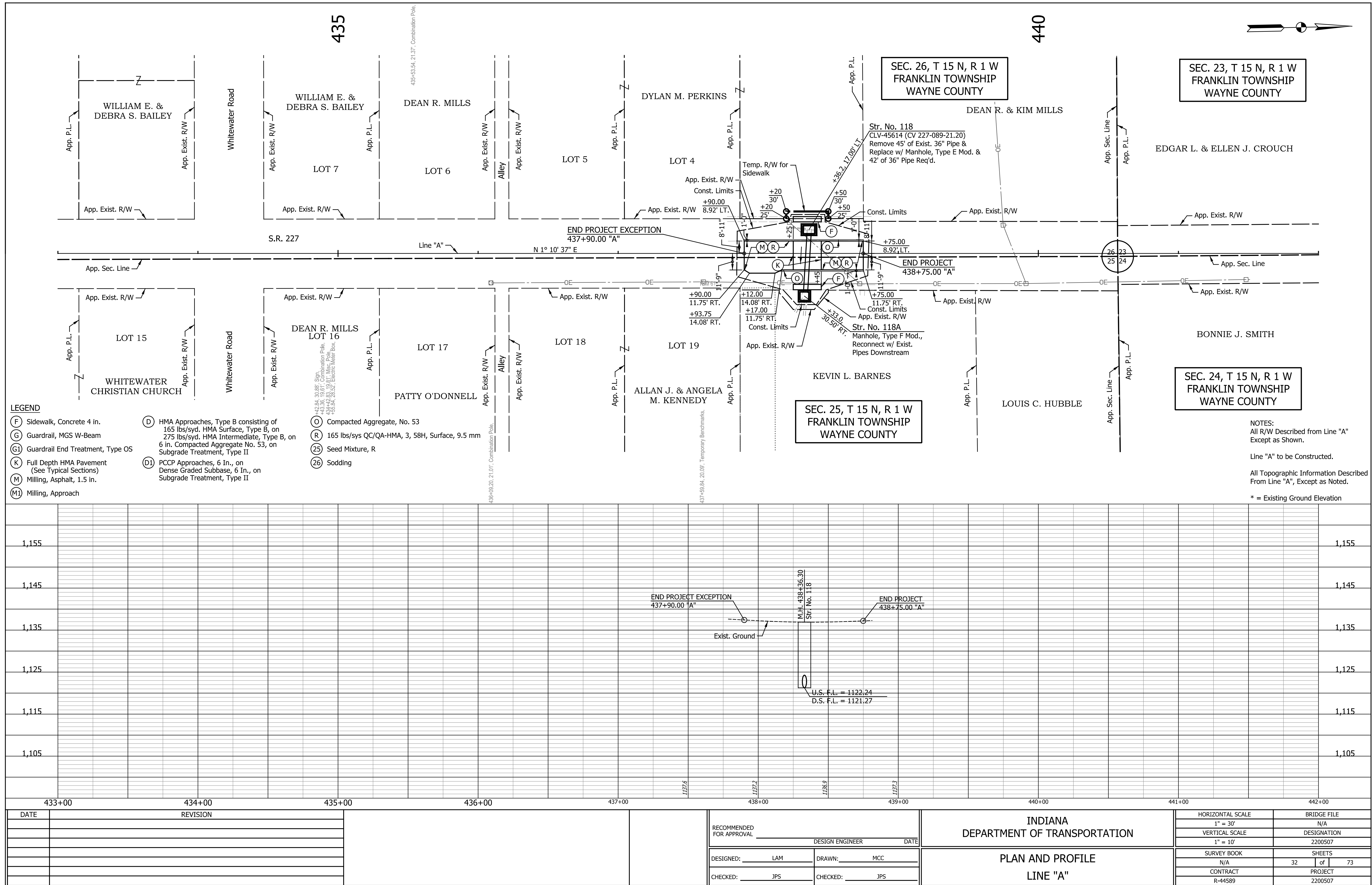
Line "A" to be Constructed.

All Topographic Information Described
From Line "A", Except as Noted.

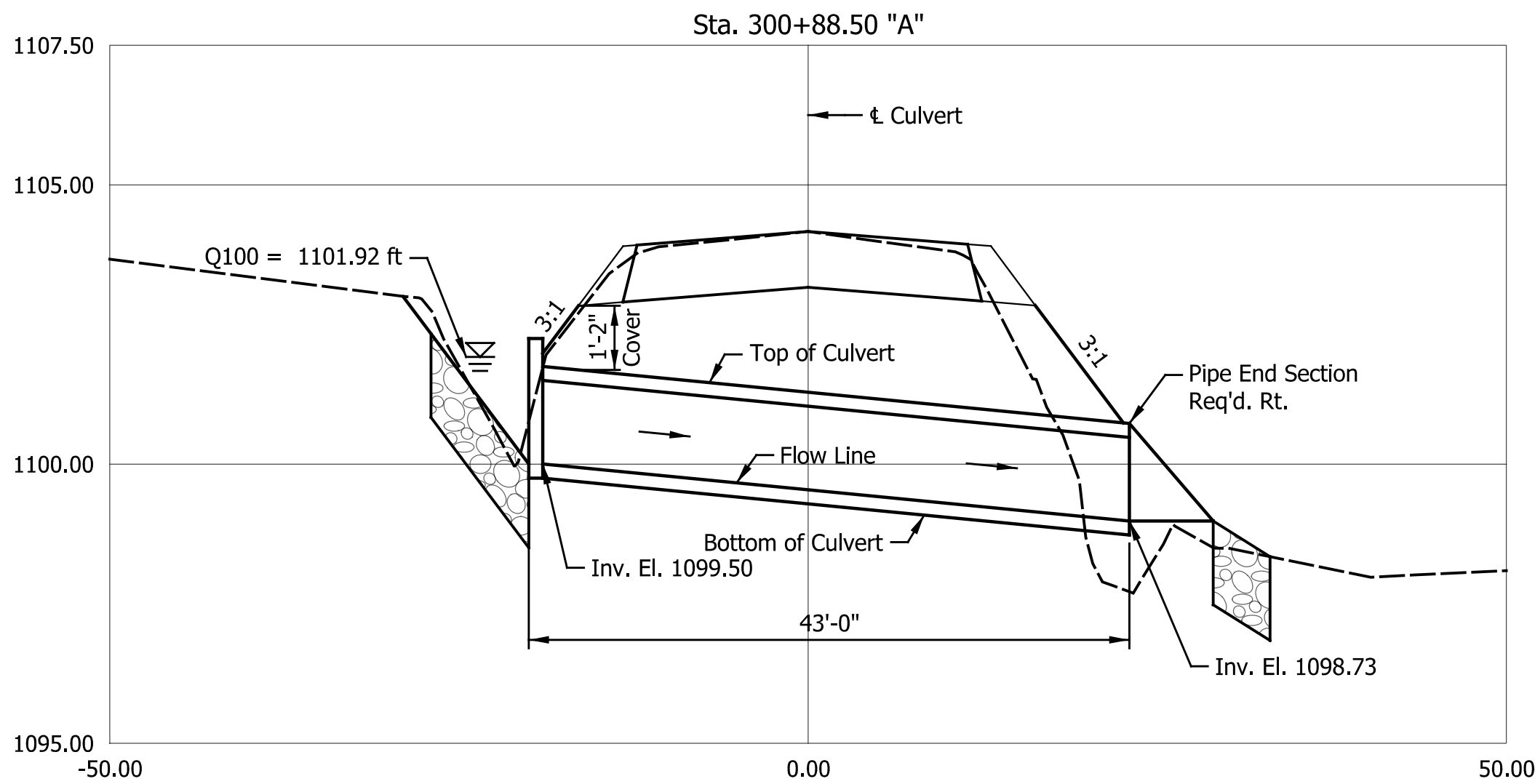
* = Existing Ground Elevation



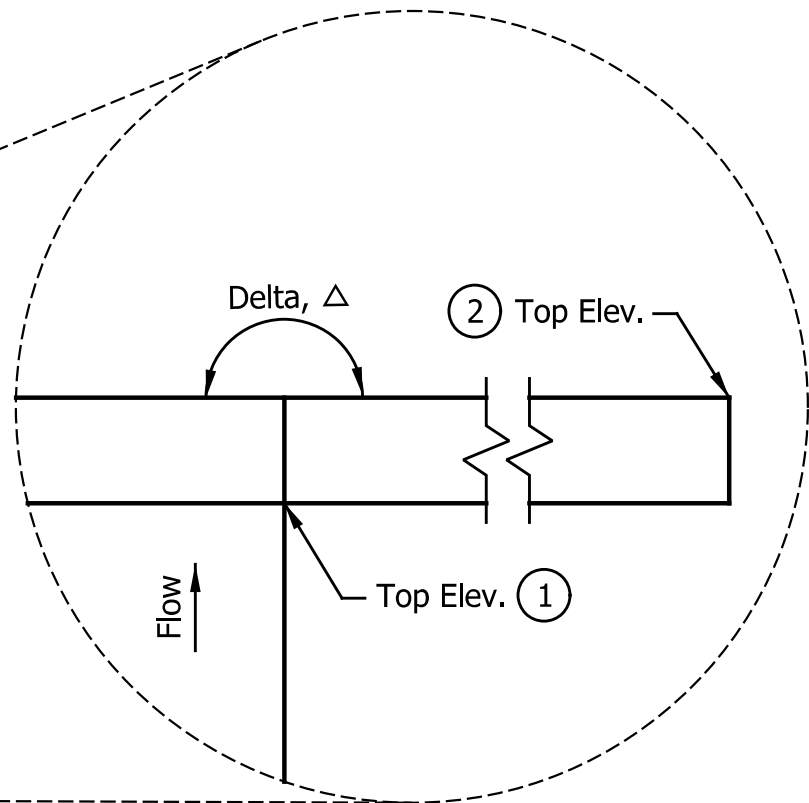
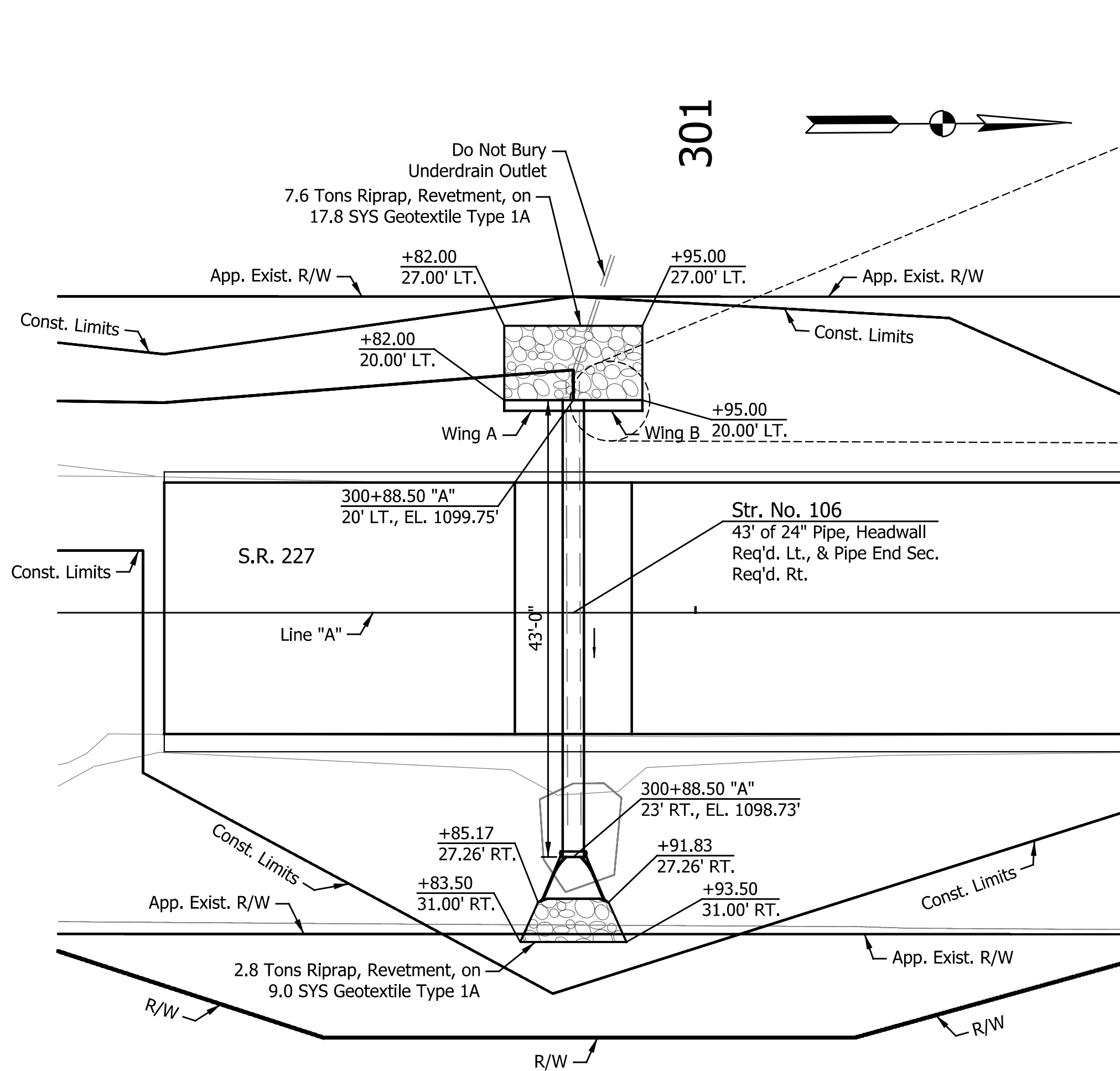
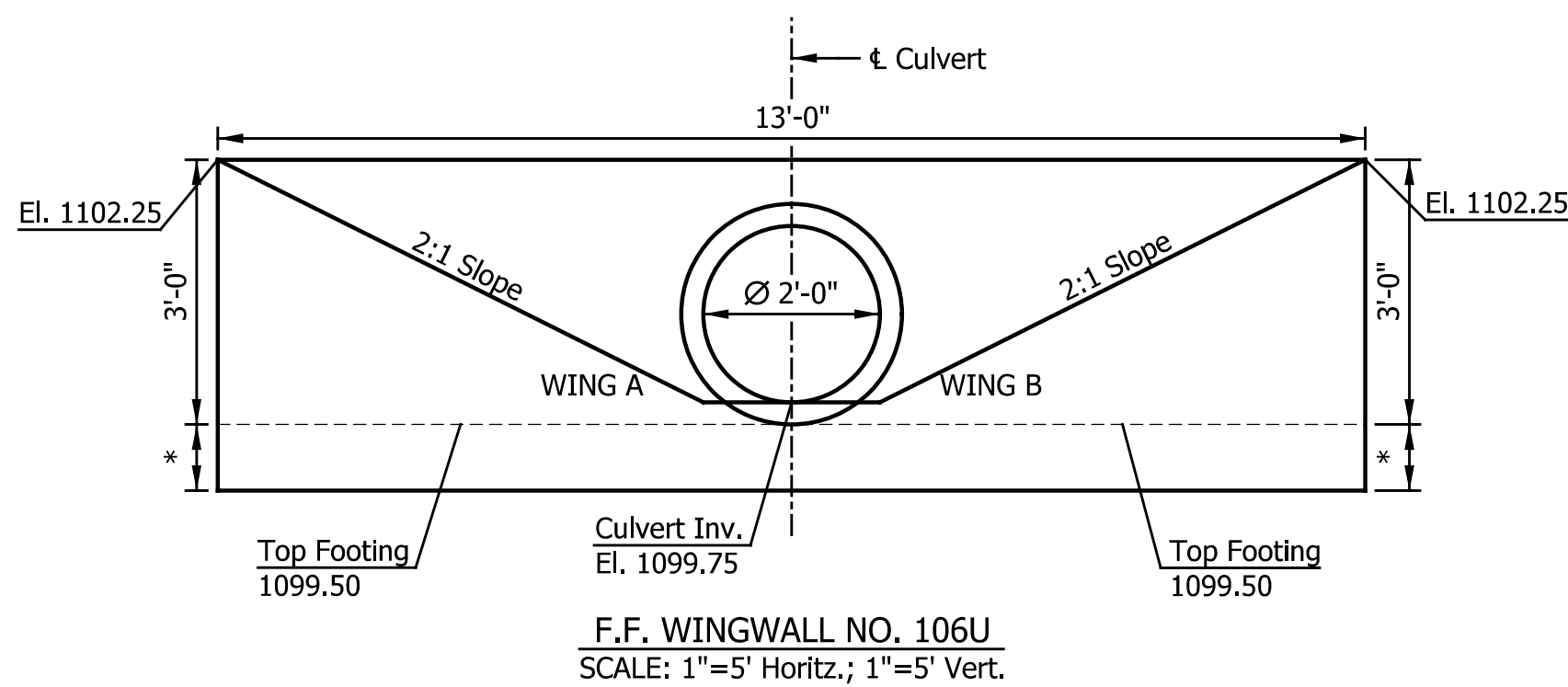
DATE	REVISION	NOTE TO REVIEWER: Permanent Erosion Control Ditch Riprap and Sodding Callouts to be finalized prior to Stage 3 Review per IDM 14-2.01(13).		RECOMMENDED FOR APPROVAL DESIGN ENGINEER DATE		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE 1" = 30'		BRIDGE FILE N/A	
								VERTICAL SCALE 1" = 10'		DESIGNATION 2200507	
								SURVEY BOOK N/A		SHEETS 31 of 73	
								CONTRACT R-44589		PROJECT 2200507	
						PLAN AND PROFILE LINE "A"					



Indy-001.dwg
Indiana_Shae10b



ROADWAY CROSS SECTION
SCALE: 1"=20' Horiz.; 1"=5' Vert.



WINGWALL TABLE					
WING	① TOP ELEV	② TOP ELEV	DELTA, Δ	LENGTH, "L"	AREA (SFT)
A	1102.25	1102.25	180'	4'-4"	81.3
B	1102.25	1102.25	180'	4'-4"	81.3

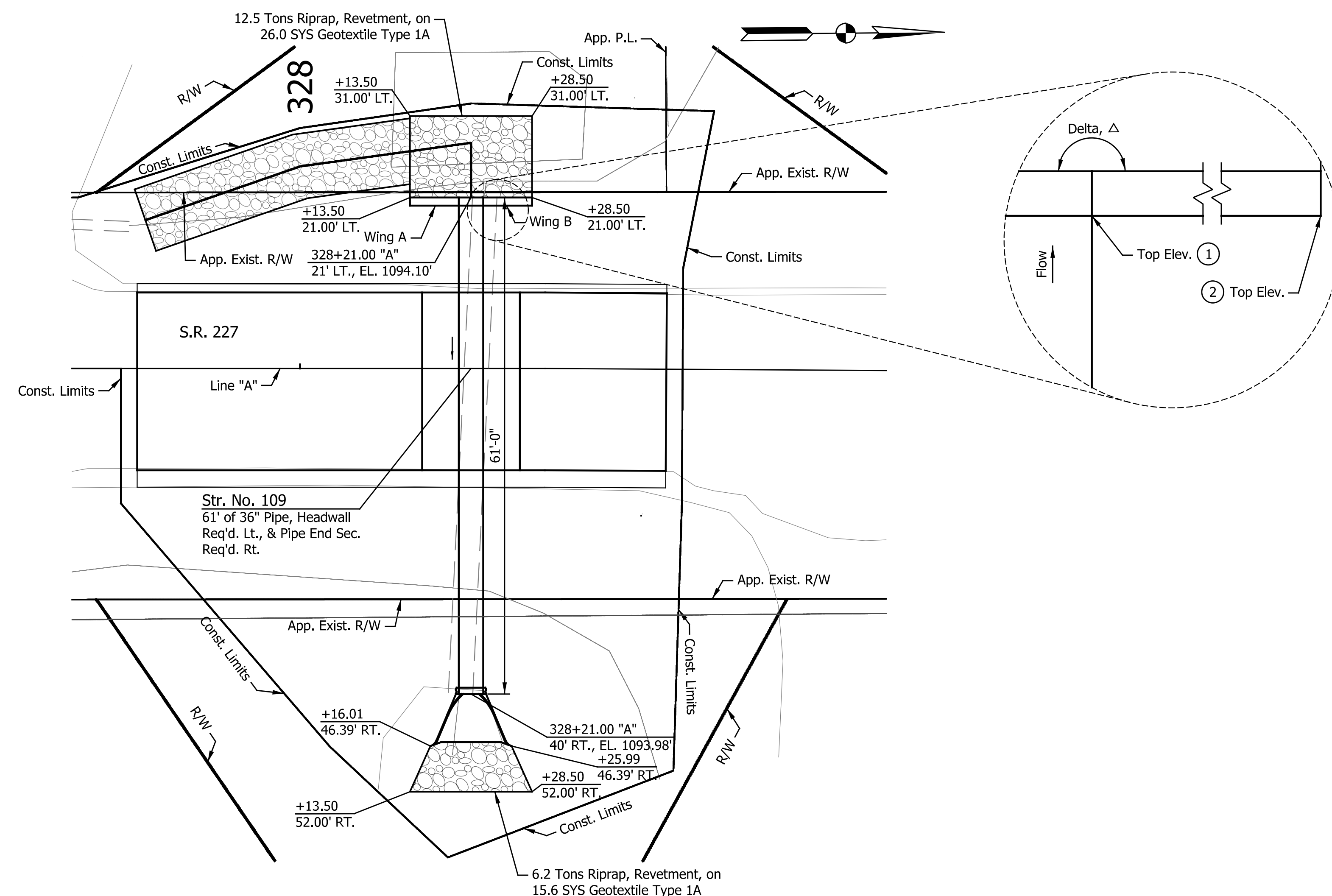
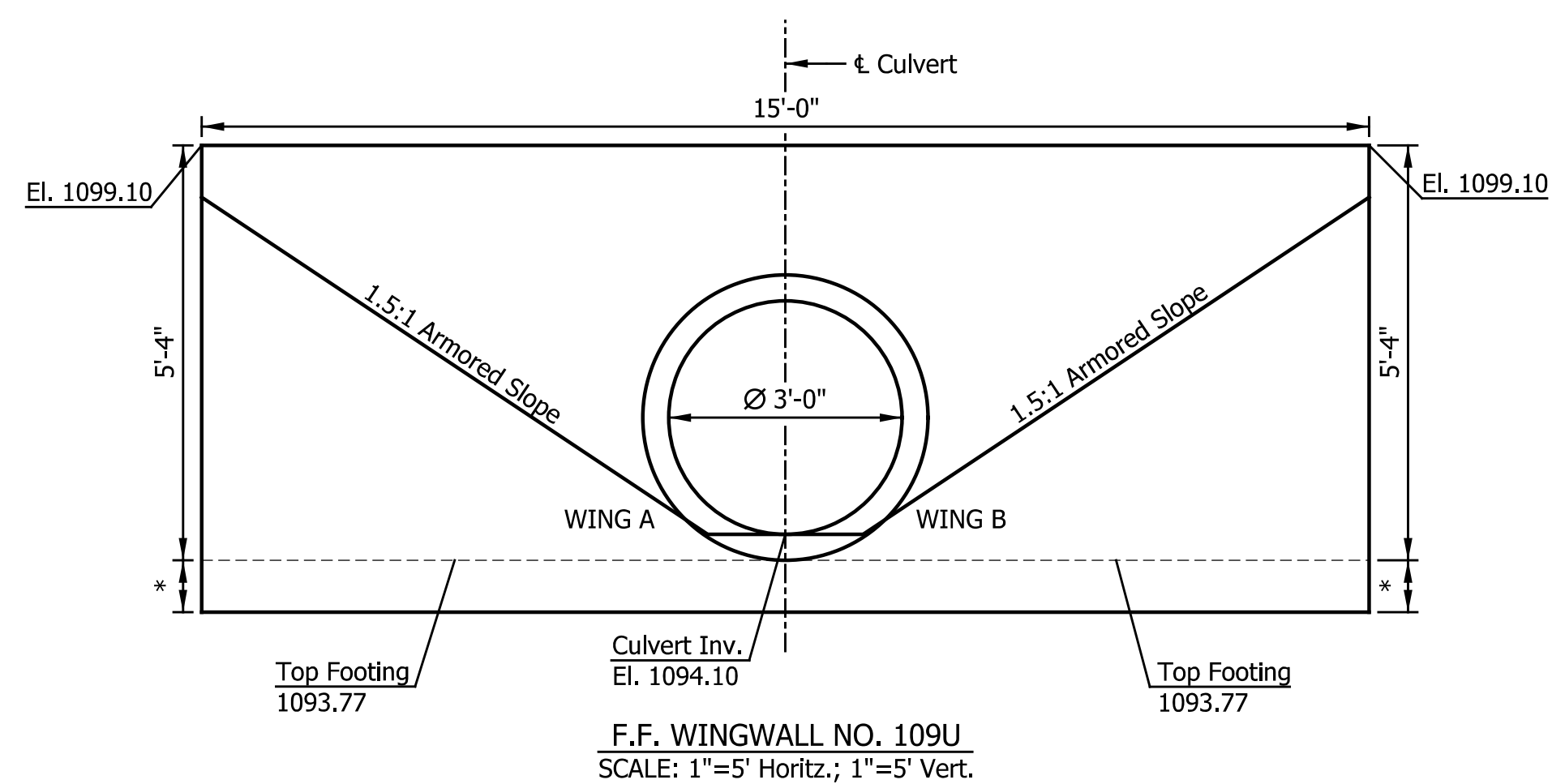
NOTE TO REVIEWER:
Headwall/Wingwall Reinforcement
Details and Soil Parameters will be
incorporated prior to Stage 3 Review
following Final Geotechnical Report.

DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: LAM	DRAWN: MCC	
CHECKED: JPS	CHECKED: JPS	

INDIANA DEPARTMENT OF TRANSPORTATION
GENERAL PLAN DETAILS STR. NO. 106 - STA. 300+88.5 "A"

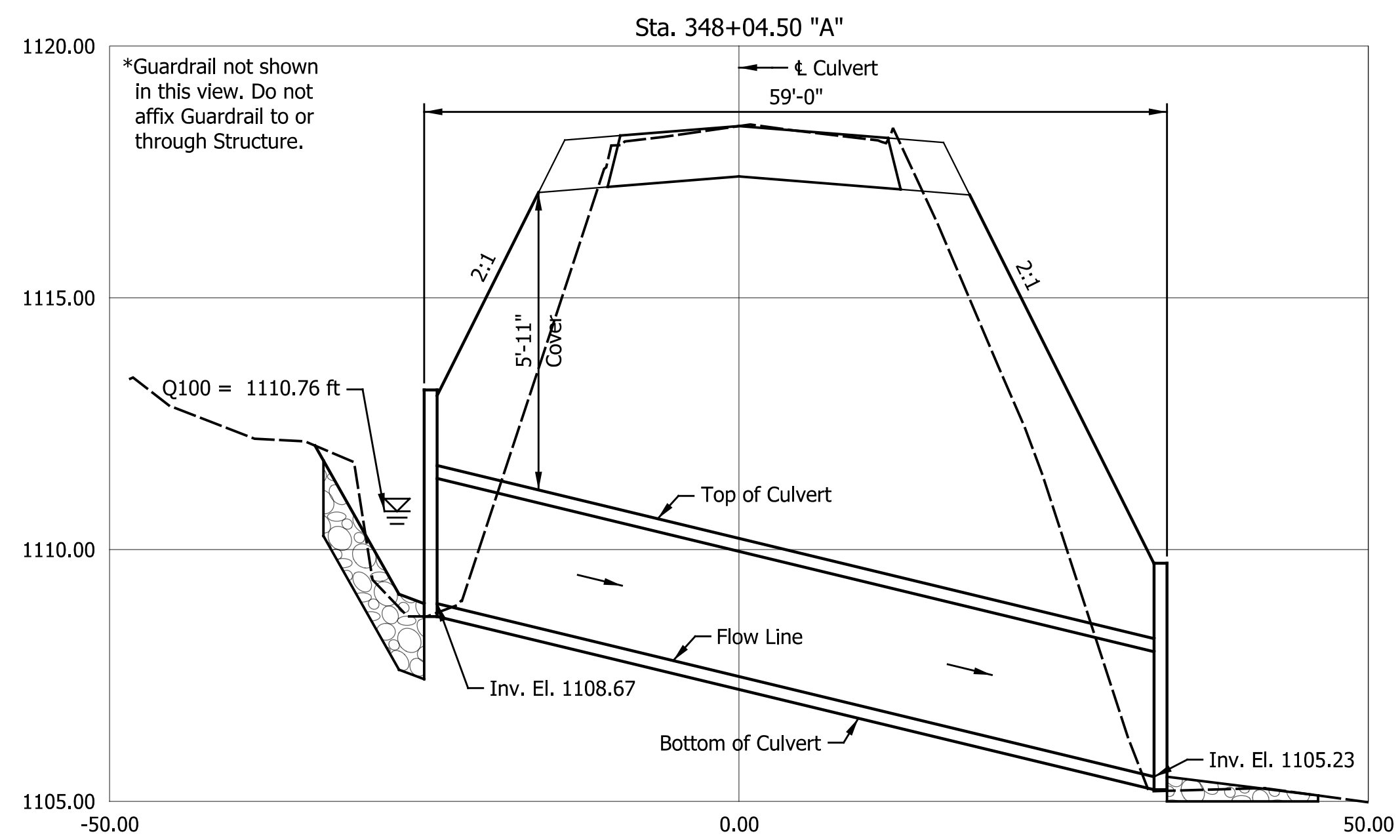
HORIZONTAL SCALE 1" = 10'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 2200507
SURVEY BOOK N/A	SHEETS 33 of 73
CONTRACT R-44589	PROJECT 2200507



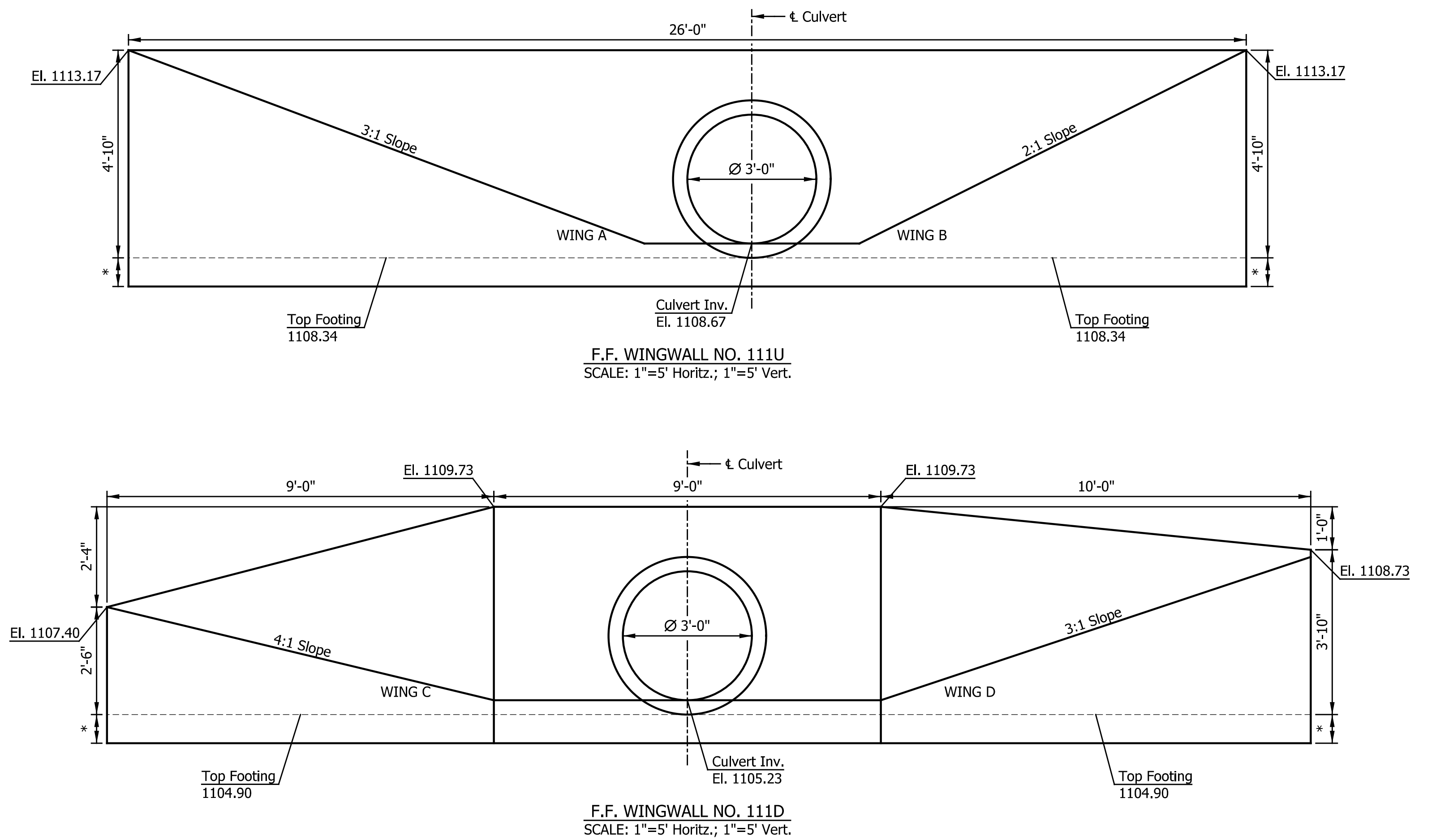
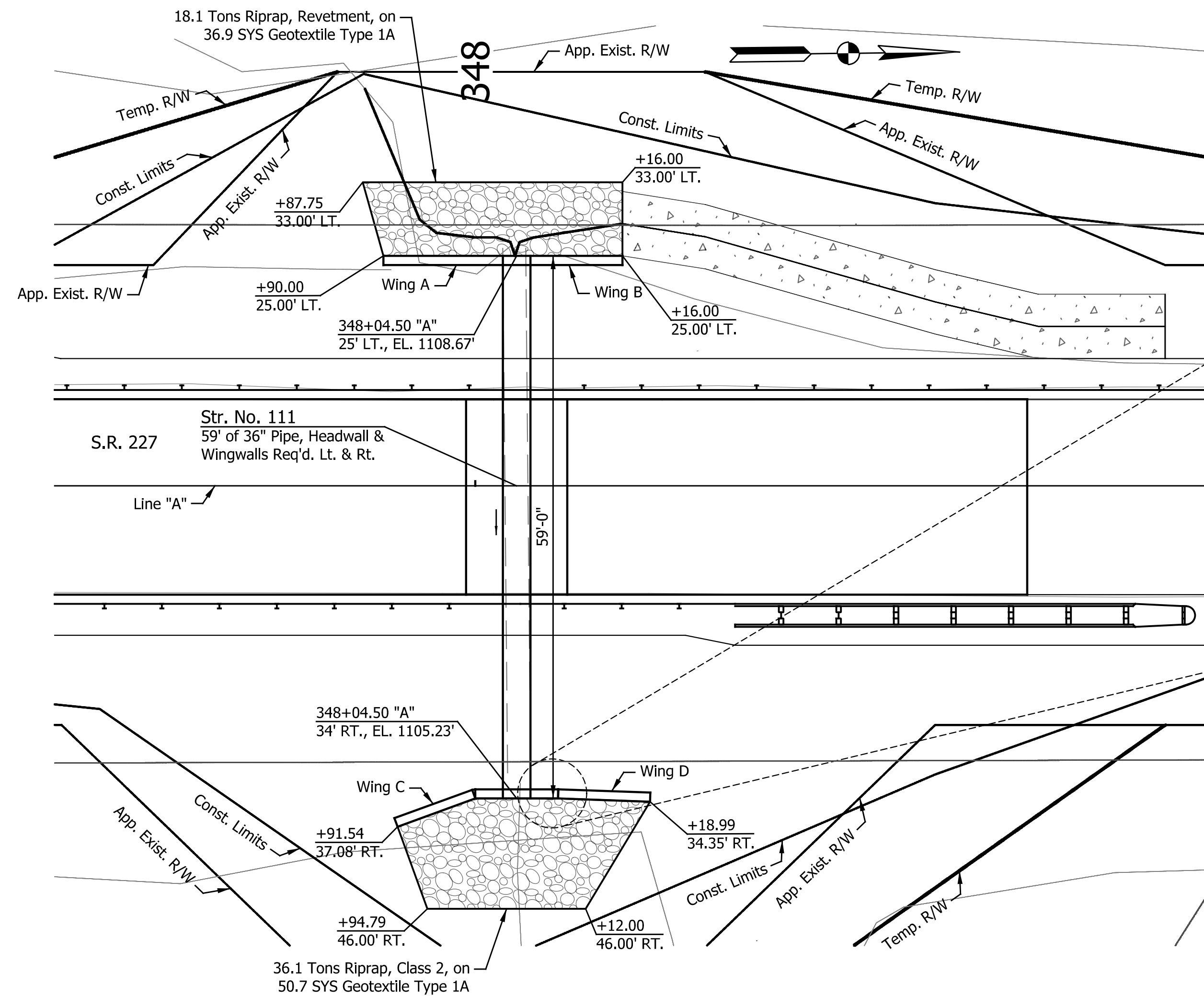
WINGWALL TABLE					
WING	① TOP ELEV	② TOP ELEV	DELTA, Δ	LENGTH, "L"	AREA (SFT)
A	1099.10	1099.10	180'	5'-0"	150.0
B	1099.10	1099.10	180'	5'-0"	150.0

NOTE TO REVIEWER:
Headwall/Wingwall Reinforcement
Details and Soil Parameters will be
incorporated prior to Stage 3 Review
following Final Geotechnical Report.

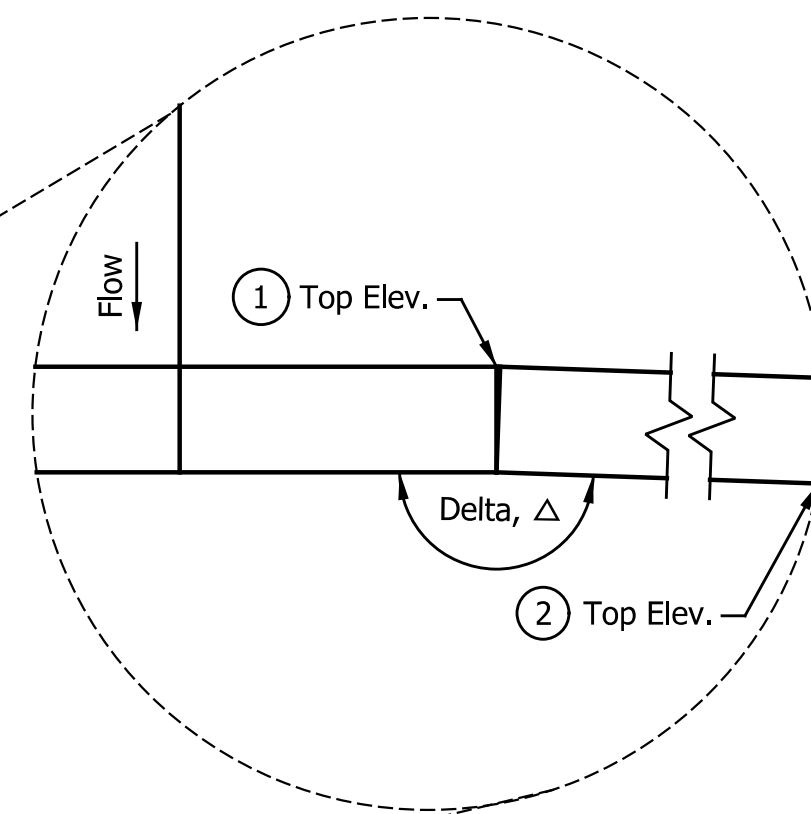
[illegible]



ROADWAY CROSS SECTION
SCALE: 1"=20' Horiz.; 1"=5' Vert.



WINGWALL TABLE					
WING	① TOP ELEV	② TOP ELEV	DELTA, Δ	LENGTH, "L"	AREA (SFT)
A	1113.17	1113.17	180'	12'-0"	330.0
B	1113.17	1113.17	180'	9'-0"	247.5
C	1109.73	1107.40	160'	9'-0"	195.0
D	1109.73	1108.73	178'	10'-0"	250.0



NOTE TO REVIEWER:
Headwall/Wingwall Reinforcement
Details and Soil Parameters will be
incorporated prior to Stage 3 Review
following Final Geotechnical Report.

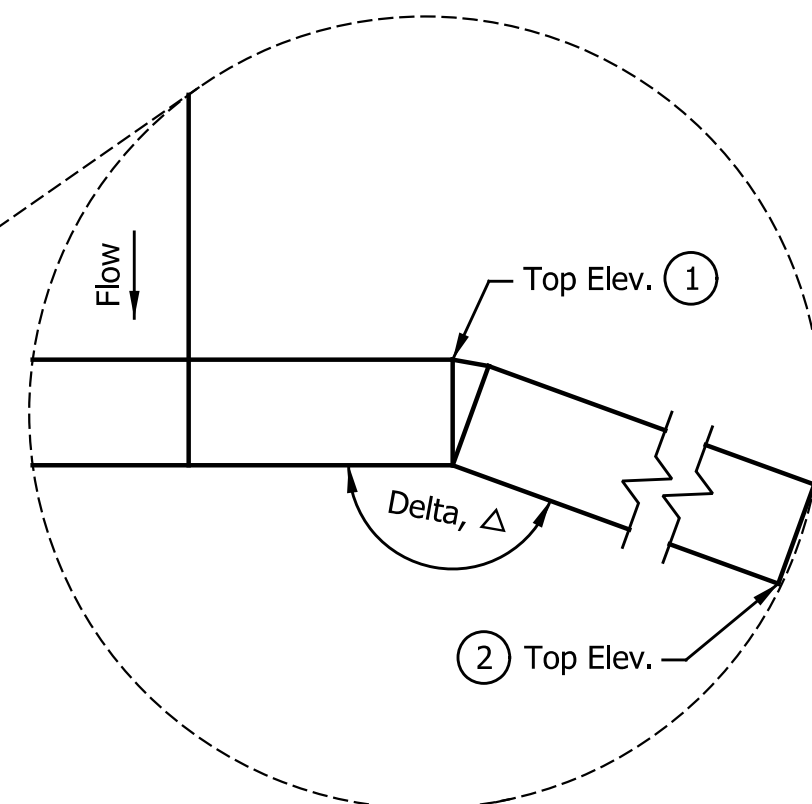
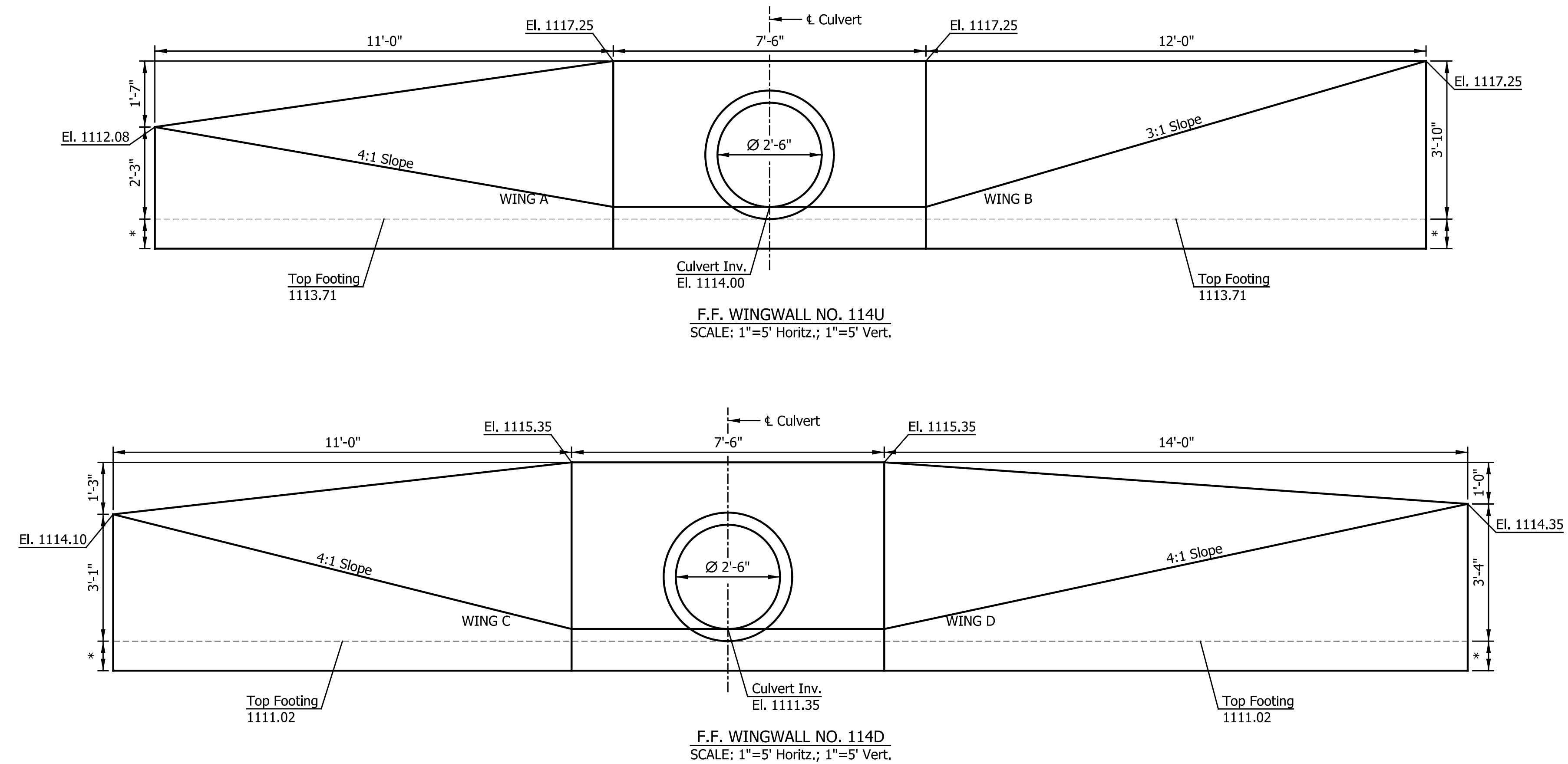
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RECOMMENDED FOR APPROVAL			DESIGN ENGINEER	DATE
DESIGNED:	LAM	DRAWN:	MCC	
CHECKED:	JPS	CHECKED:	JPS	

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN DETAILS
STR. NO. 111 - STA. 348+04.5 "A"

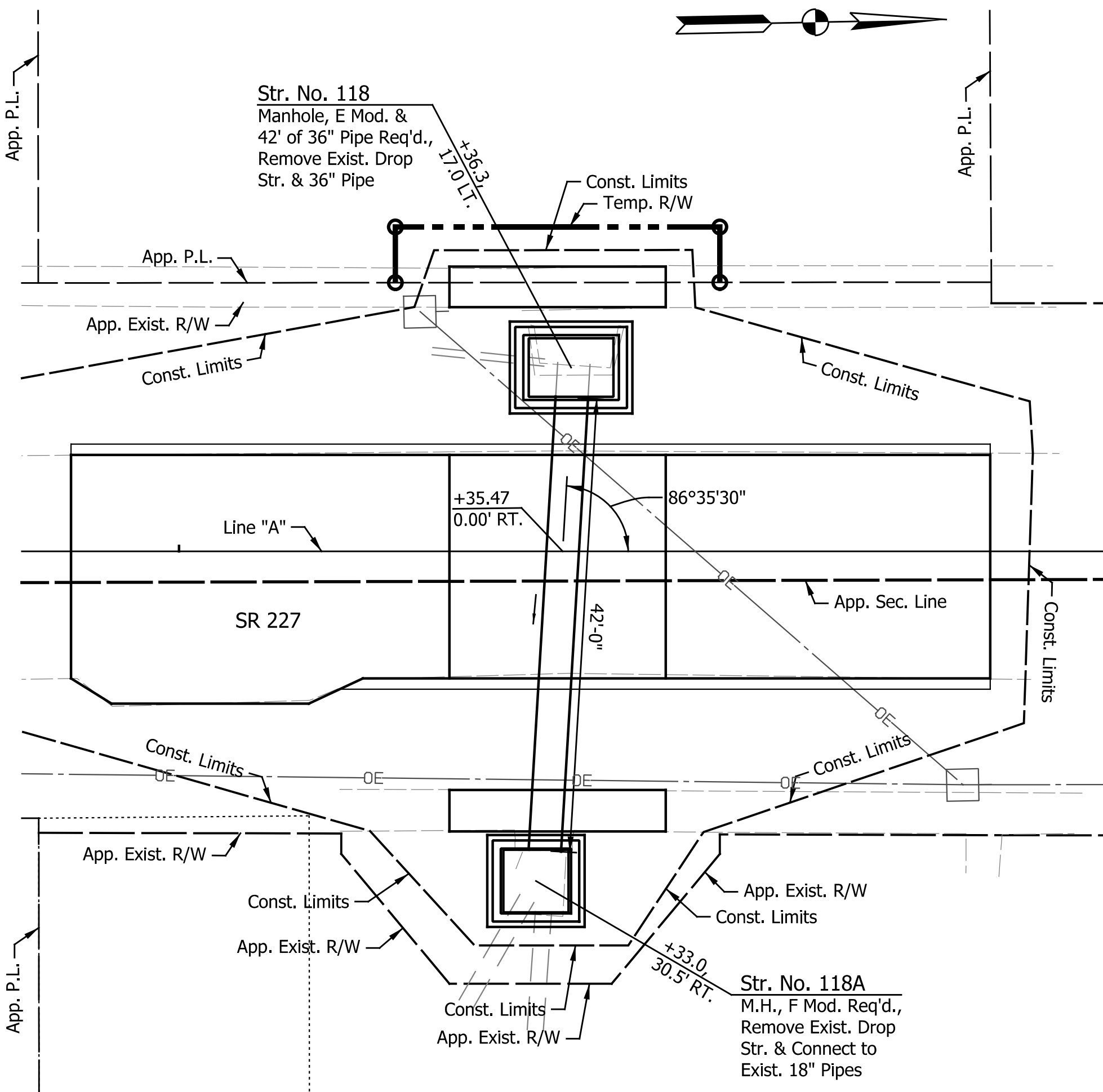
HORIZONTAL SCALE		BRIDGE FILE	
1" = 10'		N/A	
VERTICAL SCALE		DESIGNATION	
N/A		2200507	
SURVEY BOOK		SHEETS	
N/A	35	of	73
CONTRACT		PROJECT	
R-44589		2200507	



WINGWALL TABLE					
WING	① TOP ELEV	② TOP ELEV	DELTA, Δ	LENGTH, "L"	AREA (SFT)
A	1117.25	1112.08	163'	11'-0"	204.0
B	1117.25	1117.25	180'	12'-0"	270.0
C	1115.35	1114.10	165'	11'-0"	240.6
D	1115.35	1114.35	167'	14'-0"	315.0

NOTE TO REVIEWER:
Headwall/Wingwall Reinforcement
Details and Soil Parameters will be
incorporated prior to Stage 3 Review
following Final Geotechnical Report.

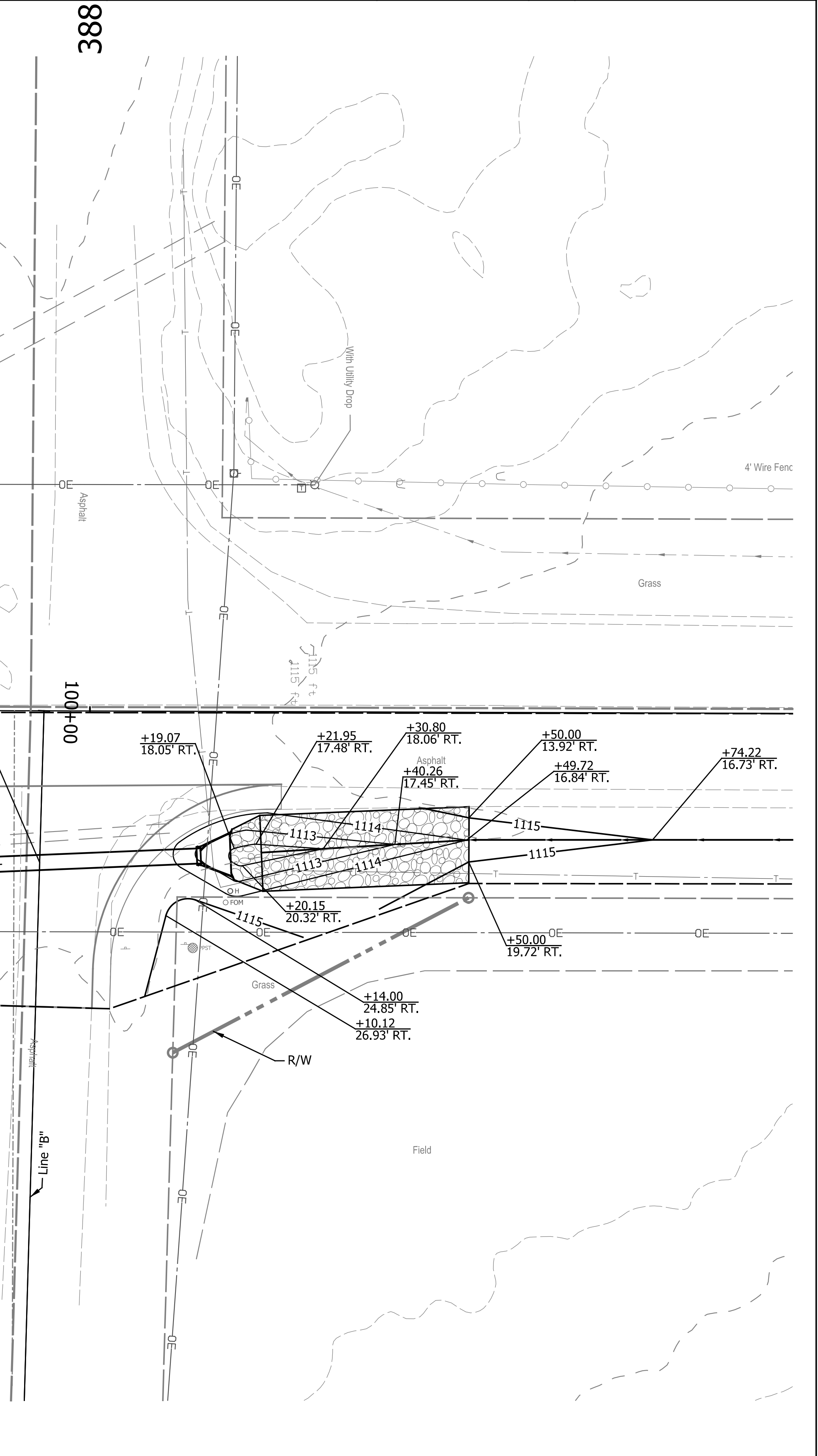
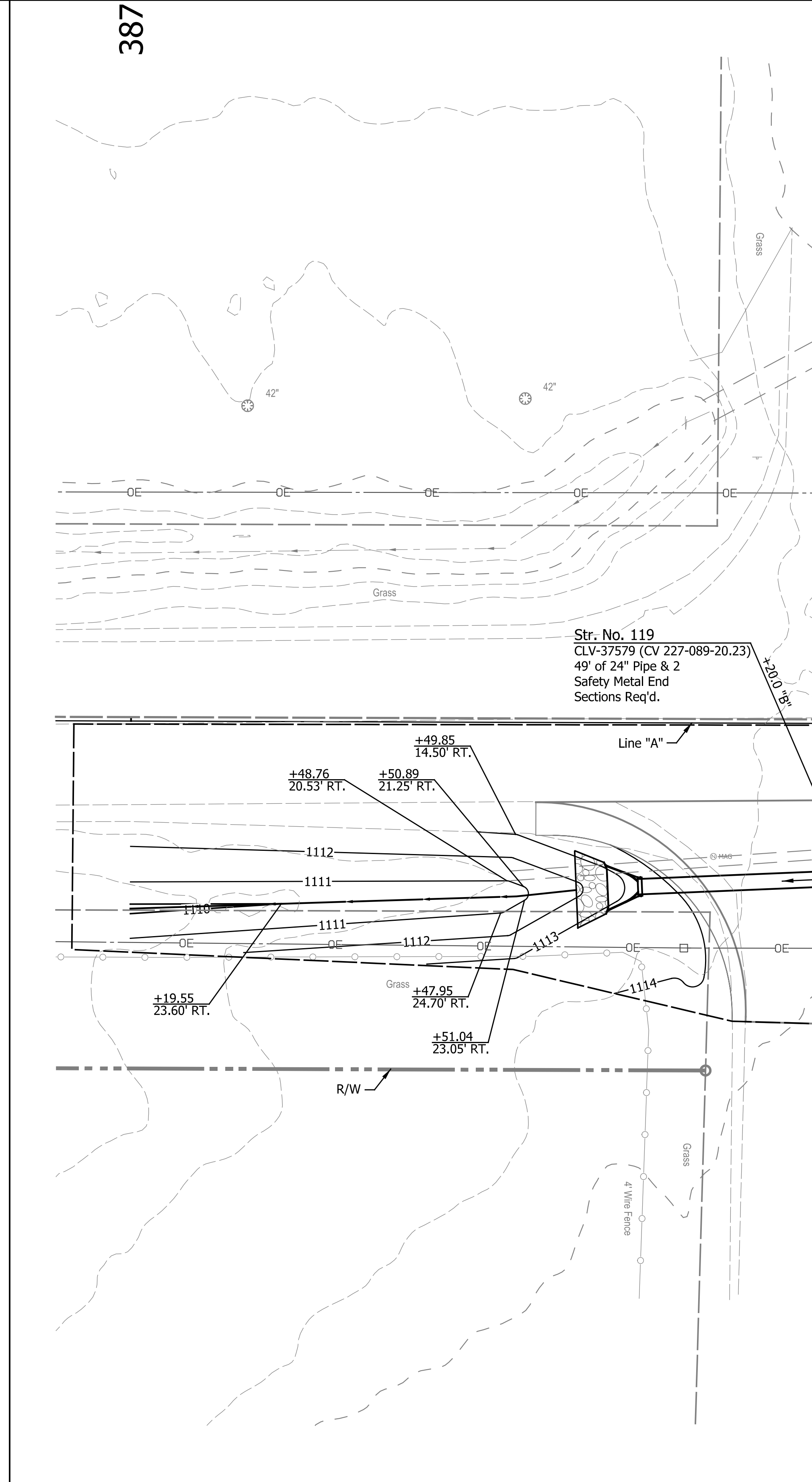
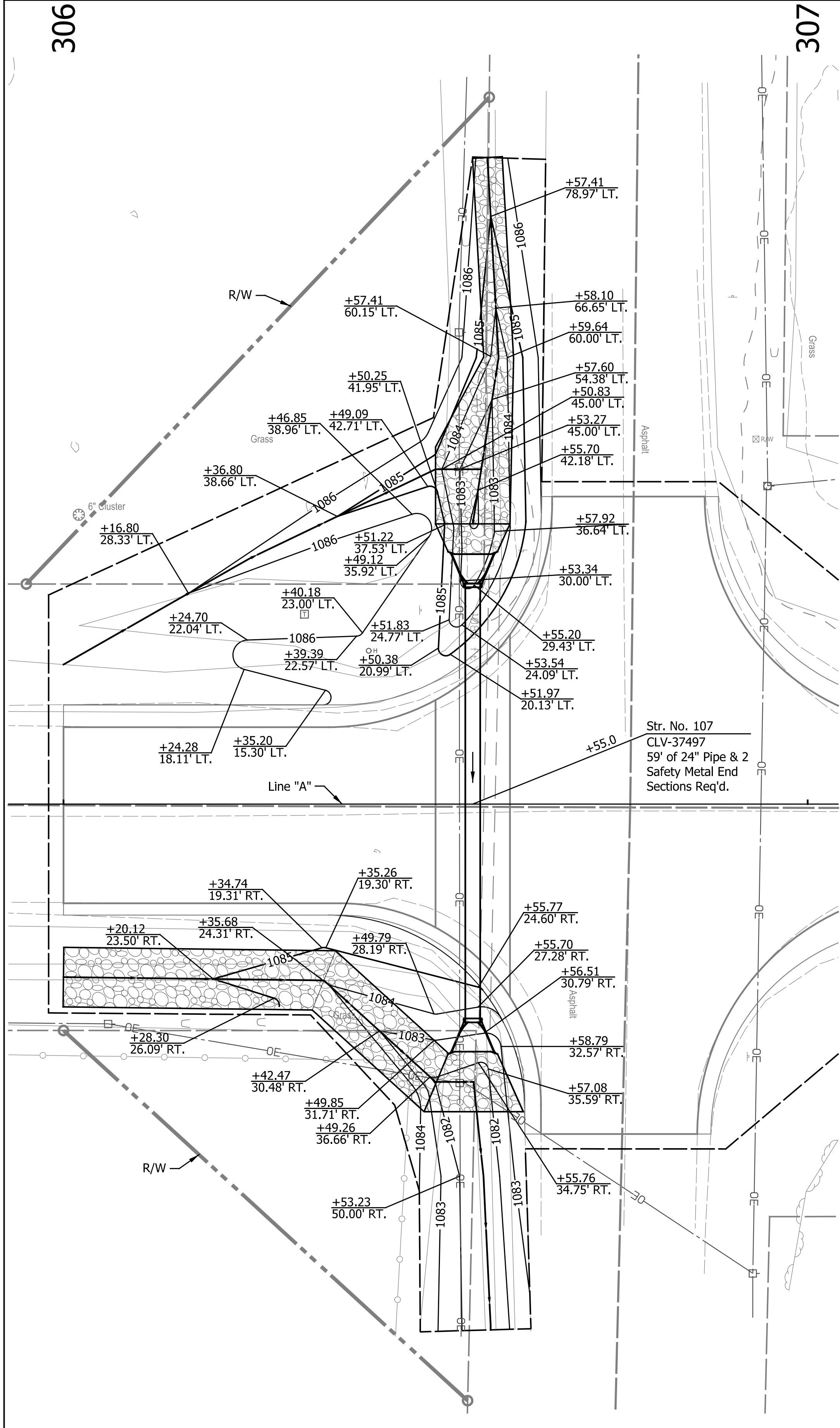
[illegible]



HYDRAULIC DATA TABLE			
ITEM	UNIT	EXISTING STRUCTURE	PROPOSED STRUCTURE
DRAINAGE AREA	ACRE	25.6	25.6
Q BACKWATER (100-YR)	FT	0.62	0.60
Q DISCHARGE (100-YR)	CFS	41.9	41.9
Q ELEVATION (100-YR)	FT	1127.50	1127.48
Q VELOCITY (25-YR)	FT/S	5.52	5.52

NOTE TO REVIEWER:
Headwall/Wingwall Reinforcement
Details and Soil Parameters will be
incorporated prior to Stage 3 Review
following Final Geotechnical Report.

[illegible]

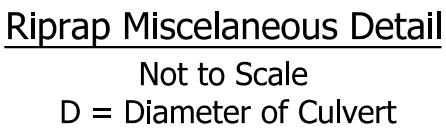
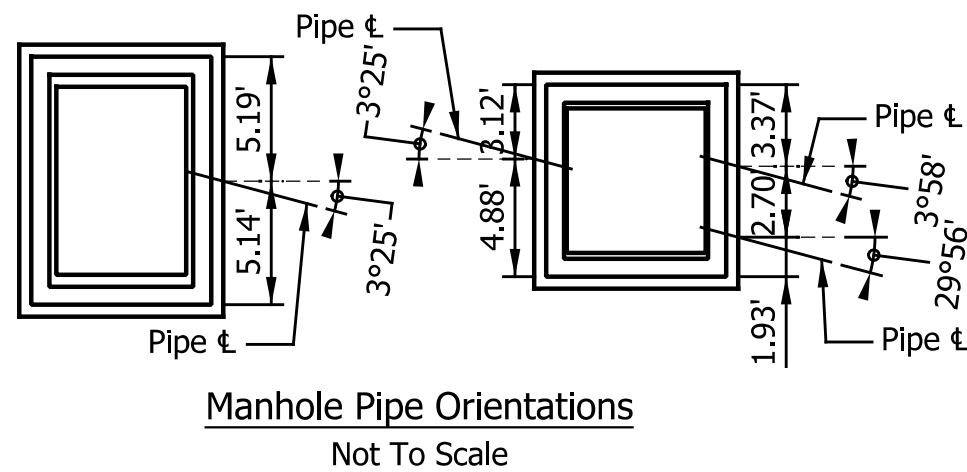
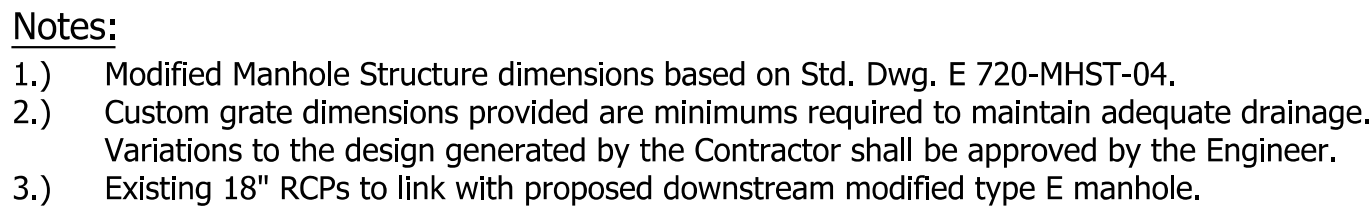
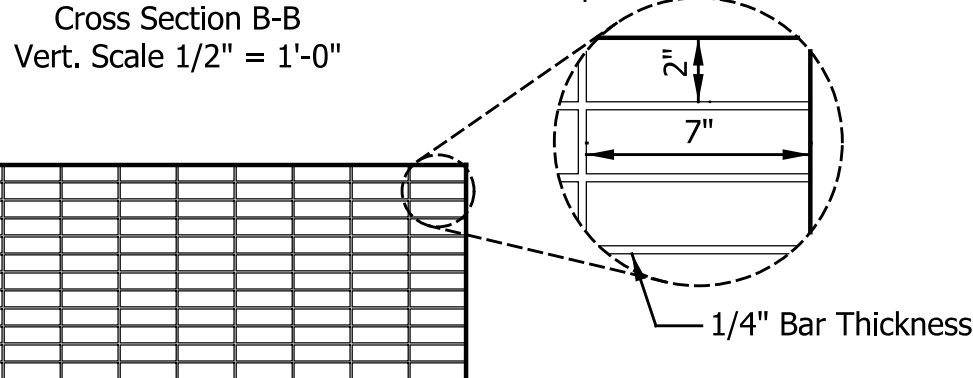
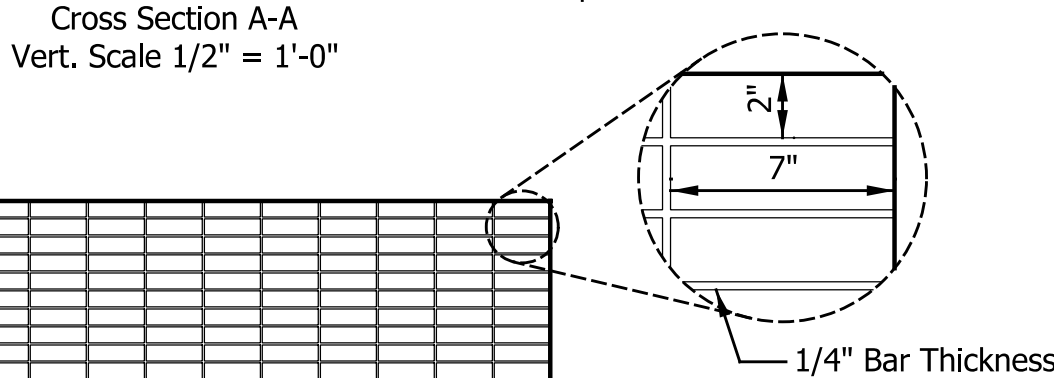
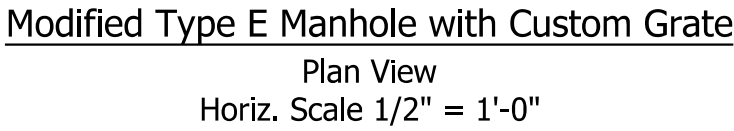
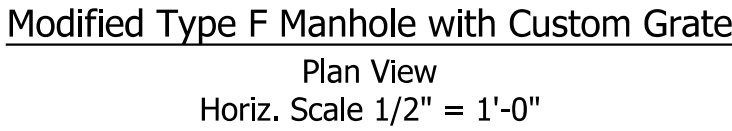


DATE	REVISION	

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE
DESIGNED: LAM		DRAWN: MCC		
CHECKED: JPS		CHECKED: JPS		

INDIANA DEPARTMENT OF TRANSPORTATION	
GRADING PLAN	

HORIZONTAL SCALE	BRIDGE FILE	
1" = 10'	N/A	
VERTICAL SCALE	DESIGNATION	
N/A	2200507	
SURVEY BOOK	SHEETS	
N/A	38	of 73
CONTRACT	PROJECT	
R-44589	2200507	



Notes:
F.F. = Front Face
*Culvert Wingwalls and Footings shall be designed according to Geotechnical Specifications and reviewed by the Engineer.

NOTE TO REVIEWER:
Miscellaneous Details will be
finalized prior to Stage 3 Review in
accordance with IDM 14-2.01(13).

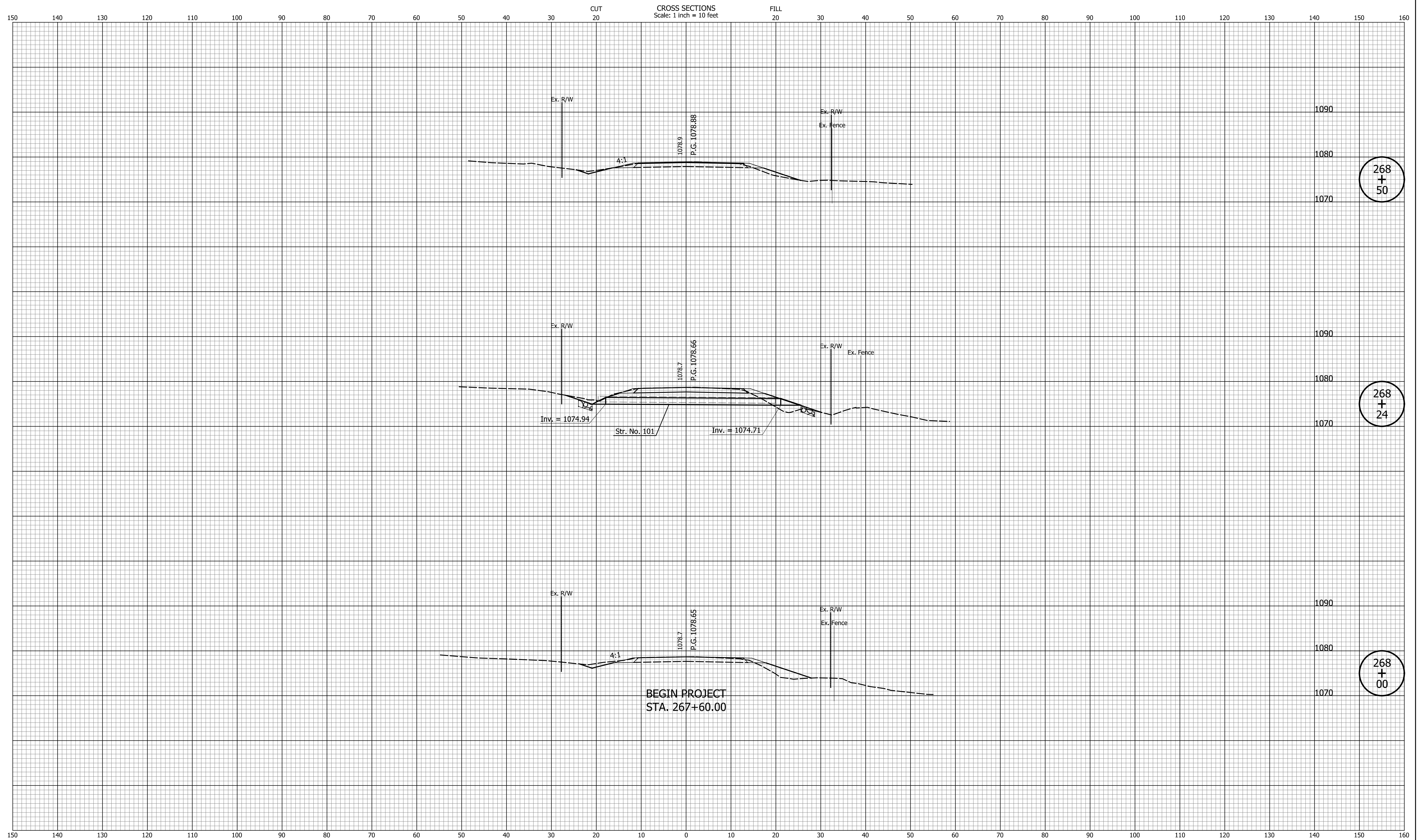
SUMMARY OF QUANTITIES AND APPROACH TABLE

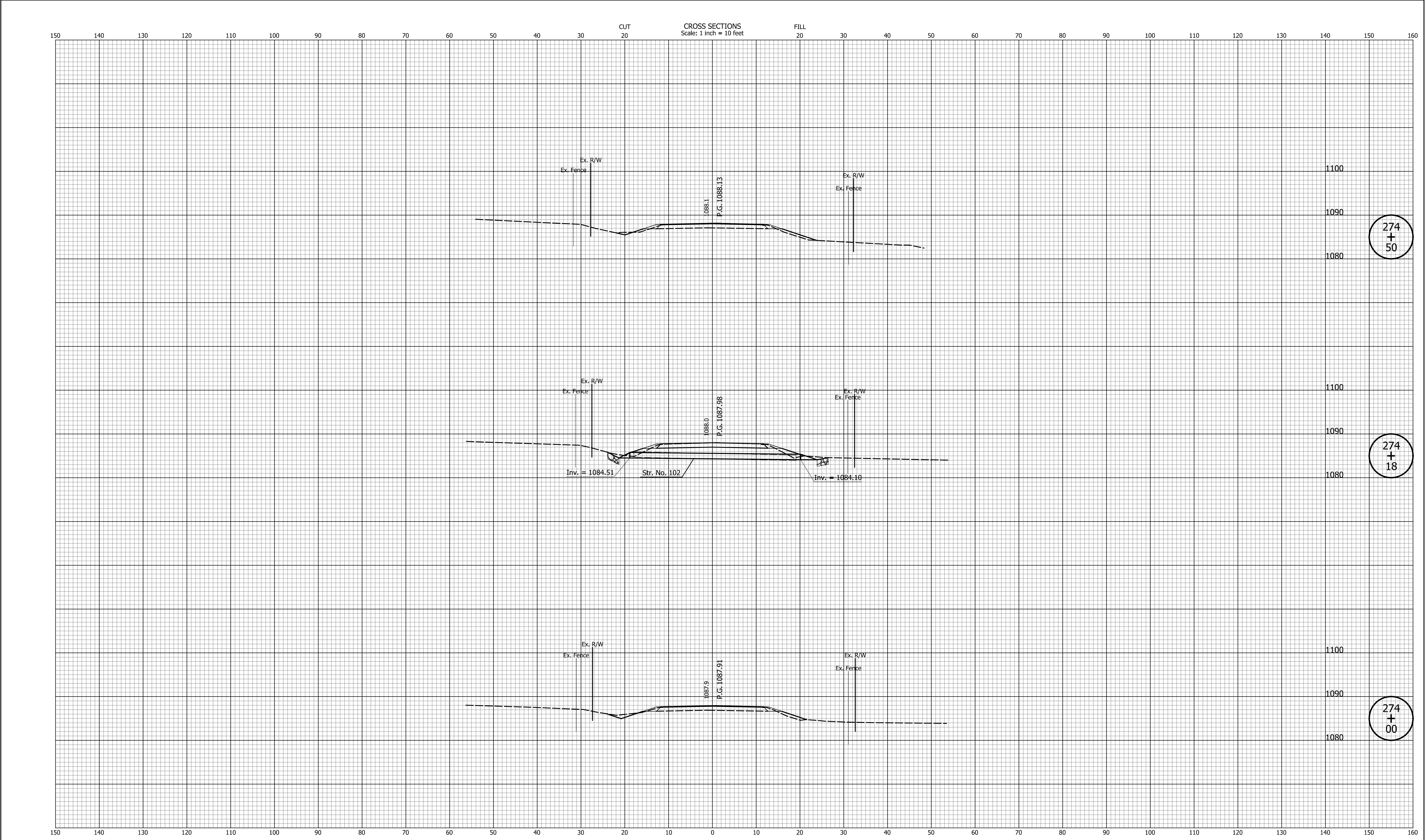
LOCATION (STATION)	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADII	DISTANCE BEYOND R/W LINE	GRADE		EXCAVATION		SUBGRADE TREATMENT			MILLING, ASPHALT, 1.5 IN.	MILLING, APPROACH	HMA FOR APPROACHES, TYPE B	HMA MATERIALS			HMA MATERIAL FOR TACK COAT	GEOTEXTILE FOR PAVEMENT, TYPE 2B	SIDEWALK, CONCRETE, 4 IN.	COMPACTED AGGREGATE NO. 53		PCCP FOR APPROACHES, 6 IN.	DENSE GRADED SUBBASE	REMARKS	
																QC/QA-HMA, 3, 58H, SURFACE 9.5mm	QC/QA-HMA, 3, 58H, INTERMD. 19.0 mm	QC/QA-HMA, 3, 58H, BASE 25.0 mm									
										TYPE						LBS. PER SYD.		LBS. PER SYD.									
						"W"	"L"	"R"	1	2	CYS.	II			III	IC	165	275				165	275				880
		ft.	ft.	ft.		%	%	CUT	FILL	SYS.	SYS.	SYS.			TONS	TONS	TONS	TONS				TONS	TONS				SYS.
LINE "A"																											
267+60.0 to 438+75.0	MAINLINE							1145.0	800.0		17.0	693.8	5027.0				477.6	85.1	287.7	2.6	693.8	17.0	1133.0				
278+18.96 Lt.	MOD. CLASS II	19.0	17.32	5.0, 10.0	--	Ex.				68.7				2.6	4.3								5.2	17.0	3.0		
296+34.5 Lt.	MOD. CLASS II	17.1	3.02	See Plans	--	Ex.							6.8	Included in Mainline													
306+74.7 Rt.	PUBLIC RD. APPR.	31.0	21.00	21.0 , 33.0	--	Ex.						121.3				10.0	16.7	53.4	0.04							Inke Road West Approach	
306+75.9 Lt.	PUBLIC RD. APPR.	31.0	20.50	31.0 , 25.0	--	Ex.						115.0				9.5	15.8	50.6	0.04							Inke Road East Approach	
368+65.0 Rt.	MOD. CLASS II	24.8	2.75	See Plans	--	Ex.							3.8	Included in Mainline													
368+92.1 Lt.	MOD. CLASS II	30.0	2.75	See Plans	--	Ex.							12.1	Included in Mainline													
379+48.3 Rt.	MOD. CLASS II	23.67	6.7	See Plans	--	Ex.							35.7	1.7	2.9								3.5				
387+90.1 Rt.	PUBLIC RD. APPR.	29.0	20.67	22.0 , 16.0	--	Ex.						99.1				8.2	13.6	43.6	0.03	335.4						Wallace Road East Approach	
438+02.9 Lt.	MOD. CLASS II	18.3	2.33	See Plans	--	Ex.							5.9	Included in Mainline													
	TOTALS							1,145.0	800.0	69.0	17.0	1,030.0	5,027.0	65.0	4.5	7.5	506.0	132.0	436.0	3.0	1,030.0	17.0	1,133.0	9.0	17.0	3.0	

DATE	REVISION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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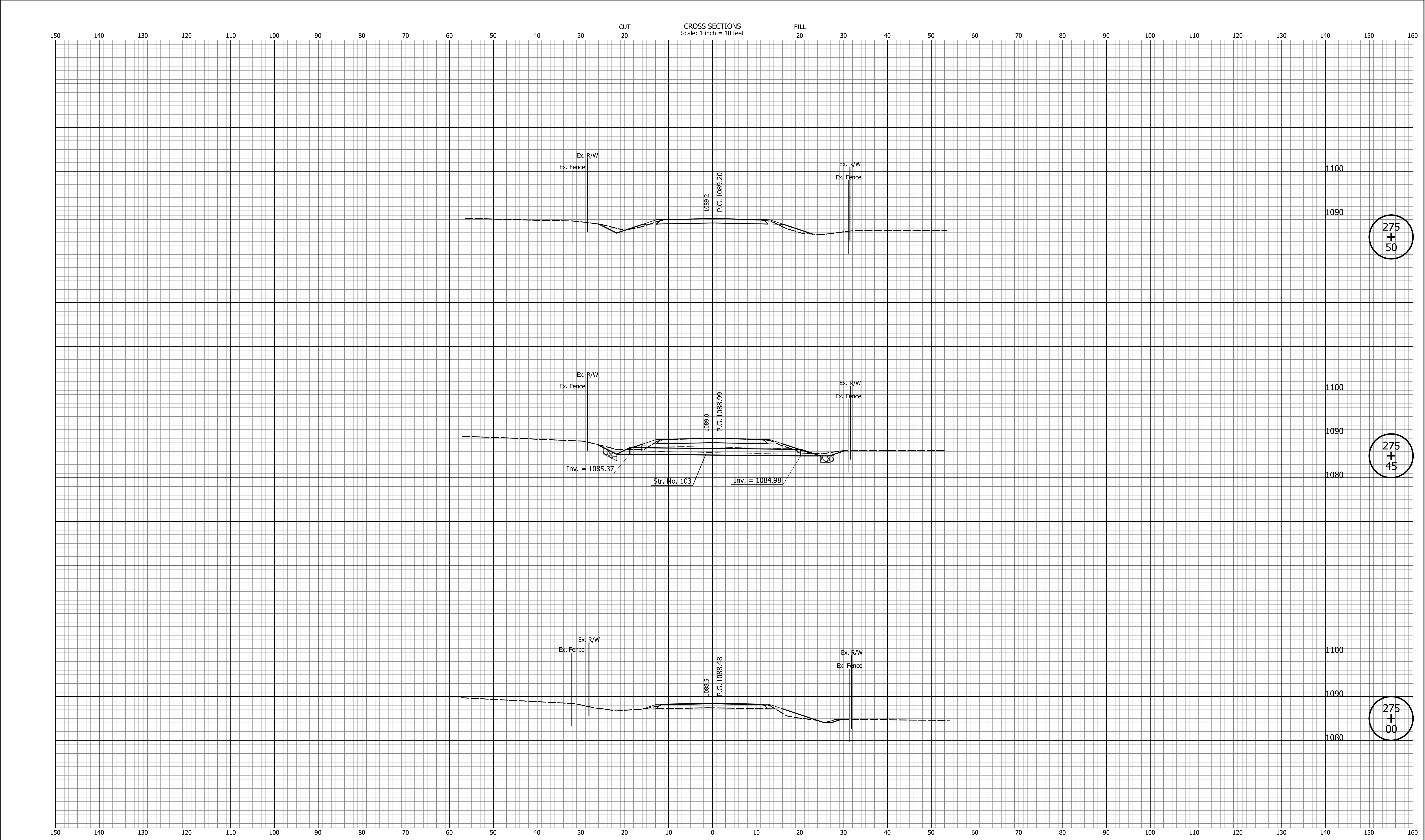
STRUCTURE NUMBER	STRUCTURE DATA																																				
	LOCATION					SIZE (UNLESS OTHERWISE NOTED)	DESCRIPTION		LENGTH	SKEW	FLOW LINE			SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL	TYPE	GEOTEXTILES	PIPERIP REVETMENT RIPRAP	SCOUR PROTECTION				ENERGY DISSIPATOR	CONCRETE ANCHOR	PIPE END SECTION	SAFETY METAL END SECTION			CONNECT TO STR. NO.	CULVERT ASSET ID	REMARKS			
	STATION	LEFT	RIGHT	CROSS	OFFSET		PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE AND TYPE			COVER	UP STREAM	DOWN STREAM									SUMP DEPTH	GEOTEXTILE	RIPRAP	TYPE				EA	EA	EA				TYPE	SLOPE	EA
LINE "A"																																					
101	268+24.0	x			17.9	18	1		39		1.1	1074.94	1074.71	50	A	7.0	2	7.5	2	6.3	1.6		6.3	REV	1.6			2					CLV-37461				
102	274+18.0	x			18.8	15	1		39		1.2	1084.51	1084.10	50	A	7.0	2	6.7	2	5.2	1.1		5.2	REV	1.1			2					CLV-37471				
103	275+40.0	x			18.8	18	1		39		1.1	1085.37	1084.98	50	A	7.0	2	7.5	2	6.3	1.6		6.3	REV	1.6			2					CLV-37477				
104	281+21.0	x			19.1	30	1		41		1.2	1093.05	1092.65	50	A	7.0	2	13.8	2	13.2	5.0		14.6	CL1	5.8			2					CLV-37483				
105	295+90.5	x			20.3	15	1	Inlet A-2 Modified	42		1.8	1107.91	1107.70	50	A	7.0	2	9.9	2				5.2	REV	1.1			1					CLV-37487				
106	300+88.5	x			20.0	24	1		43		1.6	1099.75	1098.73	50	A	7.0	2	12.9	2	17.8	7.6		9.0	REV	2.8			1					CLV-37493	Headwall Req'd. Lt.			
107	306+55.0	x			29.7	24	1		59		1.0	1081.63	1081.42	50	A	7.0	2	12.6	2	9.0	2.8		16.1	REV	6.7			2	24 in.	4:1	2		CLV-37497				
108	314+56.0	x			17.5	24	1		37		1.1	1100.97	1100.86	50	A	7.0	2	9.2	2	9.0	2.8		9.0	REV	2.8			2					CLV-37503				
109	328+21.0	x			21.0	36	1		61		4.0	1094.10	1093.98	50	A	7.0	2	44.3	2	26.0	12.5		15.6	REV	6.2			1					CLV-37505	Headwall Req'd. Lt.			
110	340+98.5	x			16.9	30	1		38		1.2	1116.30	1115.70	50	A	7.0	2	12.9	2	12.1	4.4		12.1	REV	4.4			2					CLV-37525				
111	348+04.5	x			25.0	36	1		59		7.0	1108.67	1105.23	50	A	7.0	2	91.9	2	36.9	18.1		50.7	CL2	36.1								CLV-1128	Headwalls & Wingwalls Req'd. Lt. & Rt.			
112	366+57.5	x			16.4	24	1		37		1.0	1118.63	1118.49	50	A	7.0	2	9.0	2	9.9	3.3		9.0	REV	2.8			2					CLV-37549				
113	369+26.0	x			14.5	15	1		33		0.5	1128.95	1128.04	50	A	7.0	2	3.8	2	5.2	1.1		5.1	REV	1.1			2					CLV-37553				
114	374+98.0	x			18.0	30	1		42		2.6	1114.00	1111.35	50	A	7.0	2	25.8	2	29.5	13.0		41.5	CL1	23.8								CLV-1129	Headwalls & Wingwalls Req'd. Lt. & Rt.			
115	379+03.5	x			16.7	30	1		40		1.2	1115.40	1114.65	50	A	7.0	2	13.0	2	12.1	4.4		14.6	CL1	5.8			2					CLV-37571				
116	403+36.0	x			16.8	24	1		40		1.5	1113.67	1112.91	50	A	7.0	2	11.9	2	9.0	2.8		9.7	REV	3.2			2					CLV-37595				
117	407+21.5	x			26.7	10.2 sft	1	Deformed Elliptical Pipe	58		1.9	1110.68	1109.98	50	A	7.0	2	41.4	2	32.3	16.4		40.5	CL2	27.3		2						CLV-37599	Remove Exist. Drop Structure & Exist. 36" Pipe			
118	438+36.3	x			17.0	36	1	Manhole, E Modified	42	3d Rt.	2.2	1122.24	1121.27	50	A	7.0	2	24.2	2												118-A	CLV-45614	Remove Exist. Drop Structure & Reconnect to Exist. 18" Pipes				
118A	438+33.0		x		30.5	0	1	Manhole, F Modified	0																												
LINE "B"																																					
119	100+20.0	x			16.2	24	1		49	4d Lt.	0.3	1111.26	1110.88	50	A	7.0	2	7.1	2	9.0	2.8		9.0	REV	2.8				24 in.	4:1	2		CLV-37579				
LINE "A"																																					
120	385+63.3		x					Existing Culvert Pipe																49.4	CL2	35.6							CV-227-089-20.18	Adding Riprap to Reduce Downstream Scour, Existing Pipe to Remain As Is			
200	277+74.9	x			21.4	15	3	Drive Pipe	150		1.1	1097.27	1093.01	75	A	7.0	2	7.9	2				5.2	REV	1.1			2									

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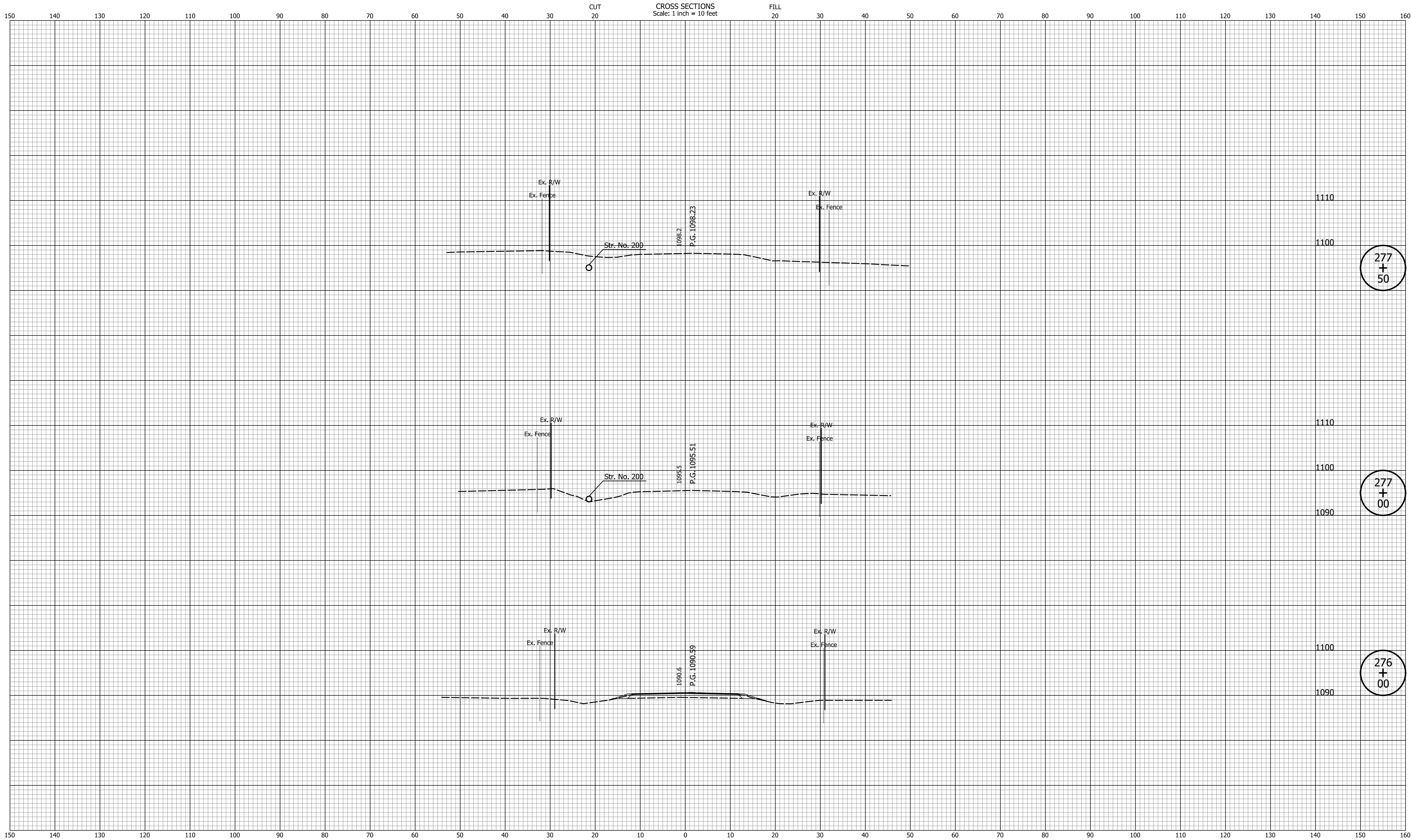
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DATE	REVISION							RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____		DATE _____		INDIANA DEPARTMENT OF TRANSPORTATION				HORIZONTAL SCALE		BRIDGE FILE	
					1' = 10"													N/A			
					VERTICAL SCALE													DESIGNATION			
					1' = 10'			2200507													
					SURVEY BOOK			SHEETS													
						CROSS SECTIONS LINE "A"		DESIGNED: _____ LAM		DRAWN: _____ MCC		N/A		44	of	73					
					CHECKED: _____ JPS			CHECKED: _____ JPS		CONTRACT		PROJECT									
										R-44589		2200507									



DATE	REVISION							RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION				HORIZONTAL SCALE		BRIDGE FILE	
					1' = 10"										N/A			
					VERTICAL SCALE										DESIGNATION			
					1' = 10'										2200507			
					SURVEY BOOK										SHEETS			
						CROSS SECTIONS LINE "A"				N/A		45	of	73				
					DESIGNED: LAM					DRAWN: MCC		CONTRACT		PROJECT				
					CHECKED: JPS					CHECKED: JPS		R-44589		2200507				



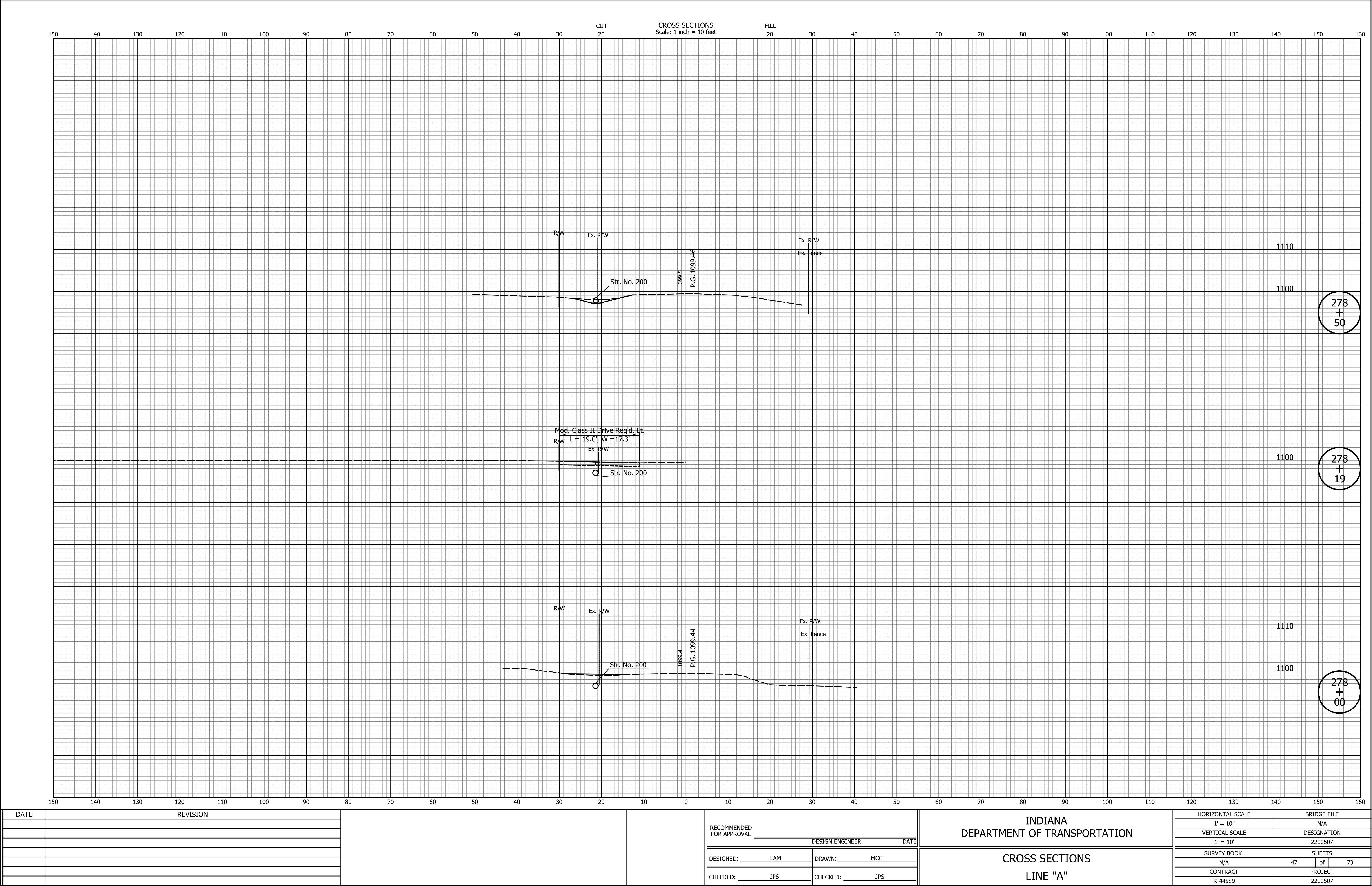
DATE	REVISION

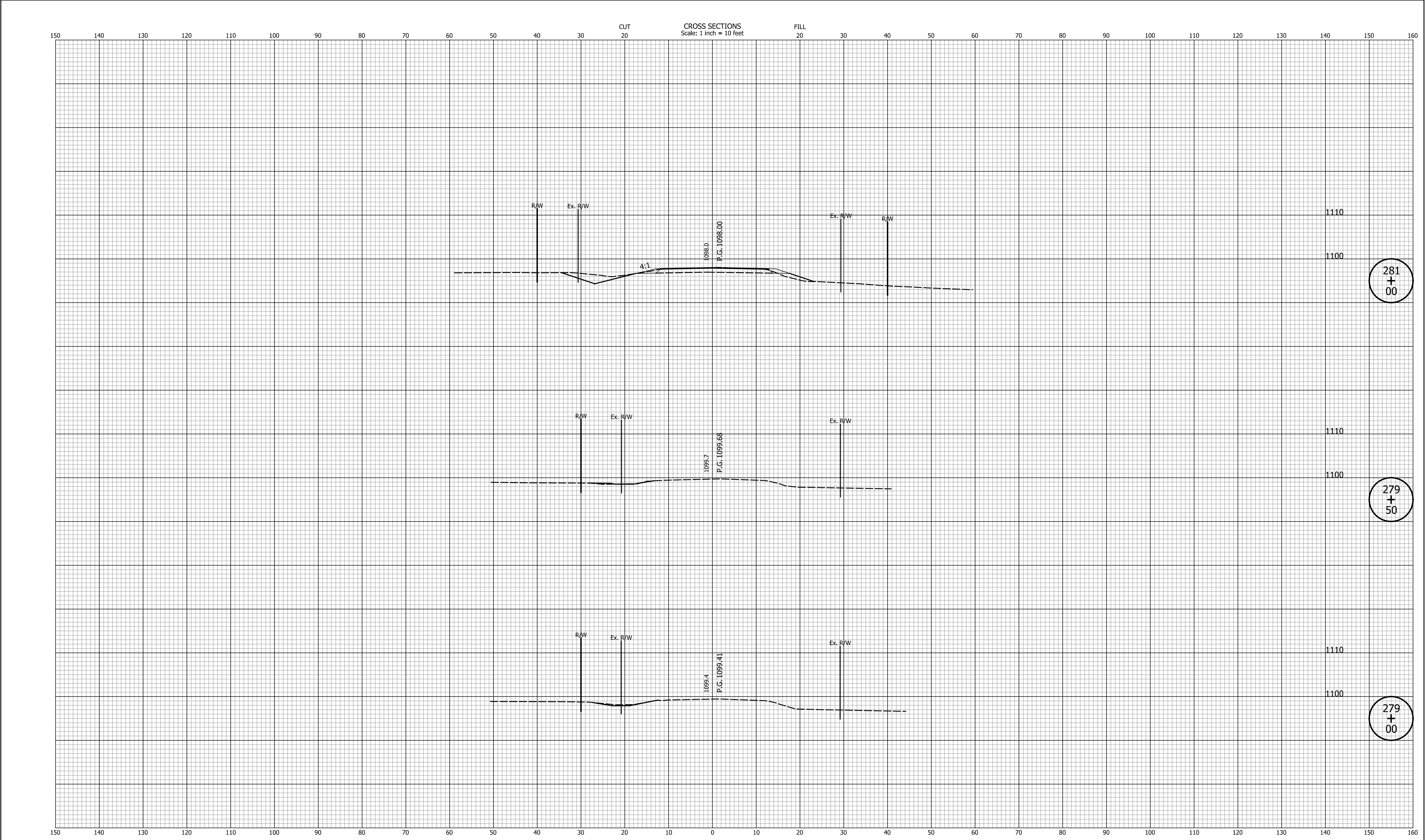
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: LAM	DRAWN: MCC	
CHECKED: JPS	CHECKED: JPS	

INDIANA DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS LINE "A"

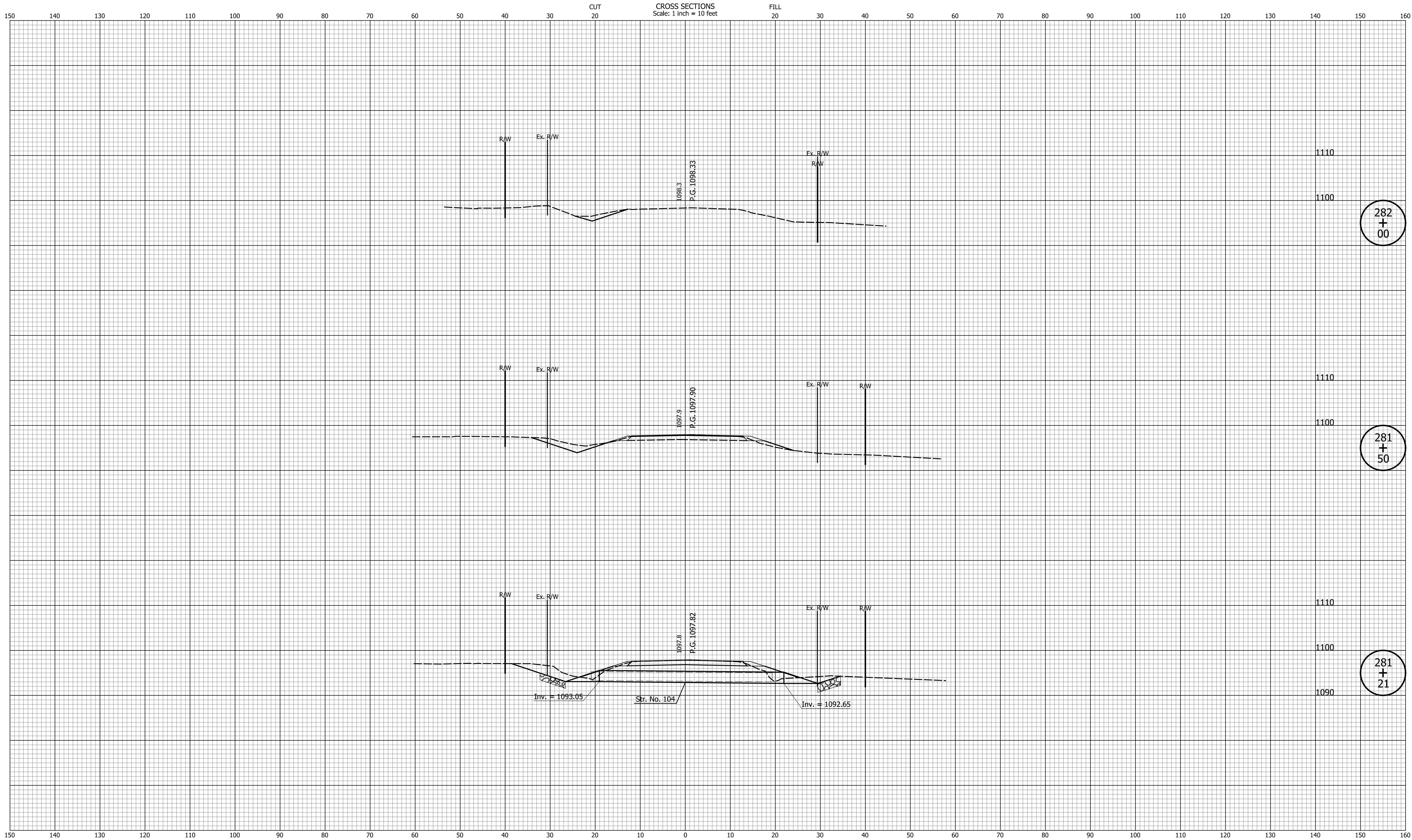
HORIZONTAL SCALE 1' = 10"	BRIDGE FILE N/A
VERTICAL SCALE 1' = 10'	DESIGNATION 2200507
SURVEY BOOK N/A	SHEETS 46 of 73
CONTRACT R-44589	PROJECT 2200507

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DATE	REVISION							RECOMMENDED FOR APPROVAL			INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE		BRIDGE FILE			
					1' = 10"								N/A					
					VERTICAL SCALE				DESIGNATION									
					1' = 10'				2200507									
					SURVEY BOOK				SHEETS									
								DESIGNED: _____	LAM	DRAWN: _____	MCC	CROSS SECTIONS LINE "A"		N/A		48	of	73
								CHECKED: _____	JPS	CHECKED: _____	JPS			CONTRACT		PROJECT		
														R-44589		2200507		



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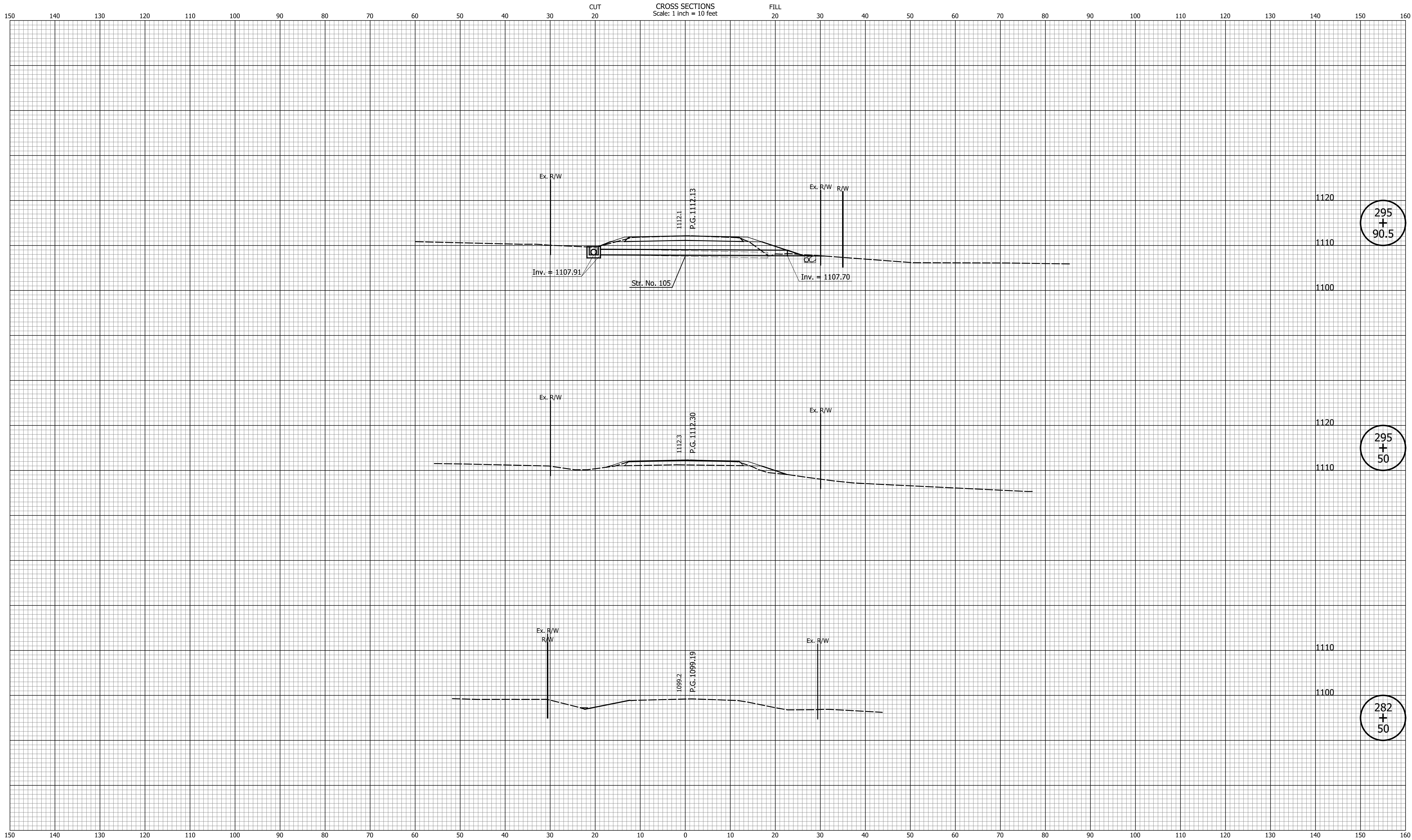
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DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: LAM	DRAWN: MCC	
CHECKED: JPS	CHECKED: JPS	

INDIANA DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS LINE "A"

HORIZONTAL SCALE 1' = 10"	BRIDGE FILE N/A
VERTICAL SCALE 1' = 10'	DESIGNATION 2200507
SURVEY BOOK N/A	SHEETS 49 of 73
CONTRACT R-44589	PROJECT 2200507

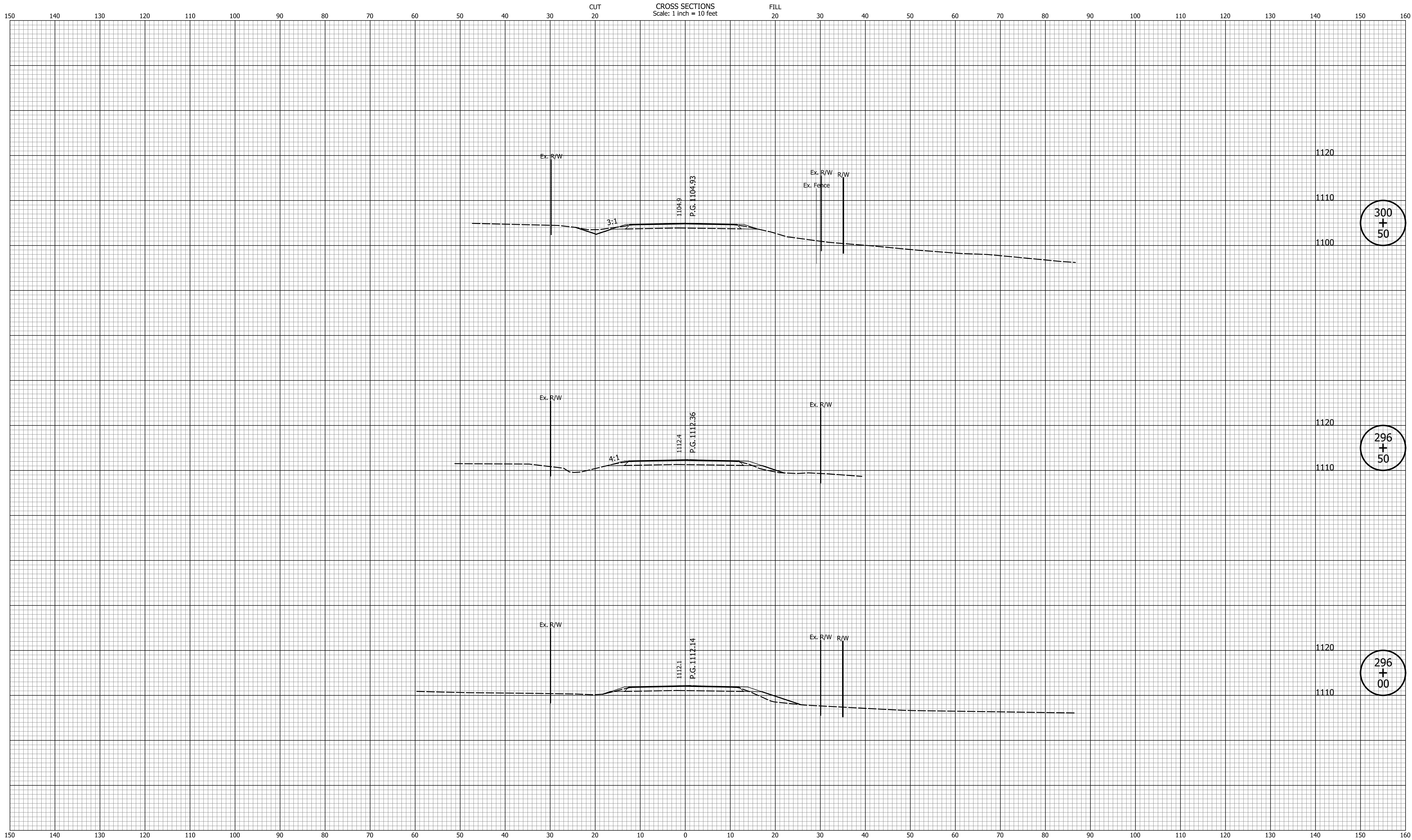


DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: LAM	DRAWN: MCC	
CHECKED: JPS	CHECKED: JPS	

INDIANA DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS LINE "A"

HORIZONTAL SCALE 1' = 10"	BRIDGE FILE N/A
VERTICAL SCALE 1' = 10'	DESIGNATION 2200507
SURVEY BOOK N/A	SHEETS 50 of 73
CONTRACT R-44589	PROJECT 2200507

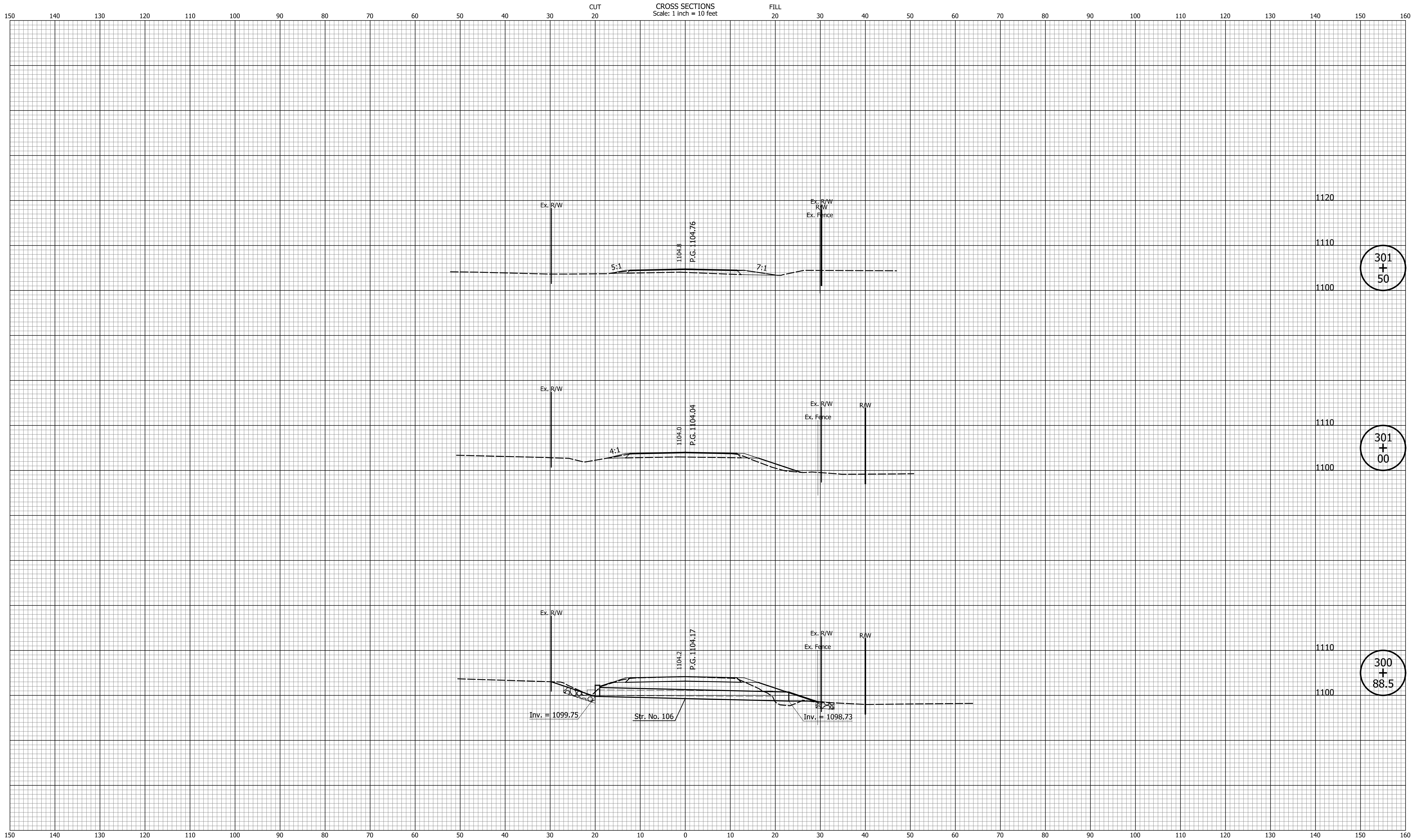


DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: LAM	DRAWN: MCC	
CHECKED: JPS	CHECKED: JPS	

INDIANA DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS LINE "A"

HORIZONTAL SCALE 1' = 10"	BRIDGE FILE N/A
VERTICAL SCALE 1' = 10'	DESIGNATION 2200507
SURVEY BOOK N/A	SHEETS 51 of 73
CONTRACT R-44589	PROJECT 2200507

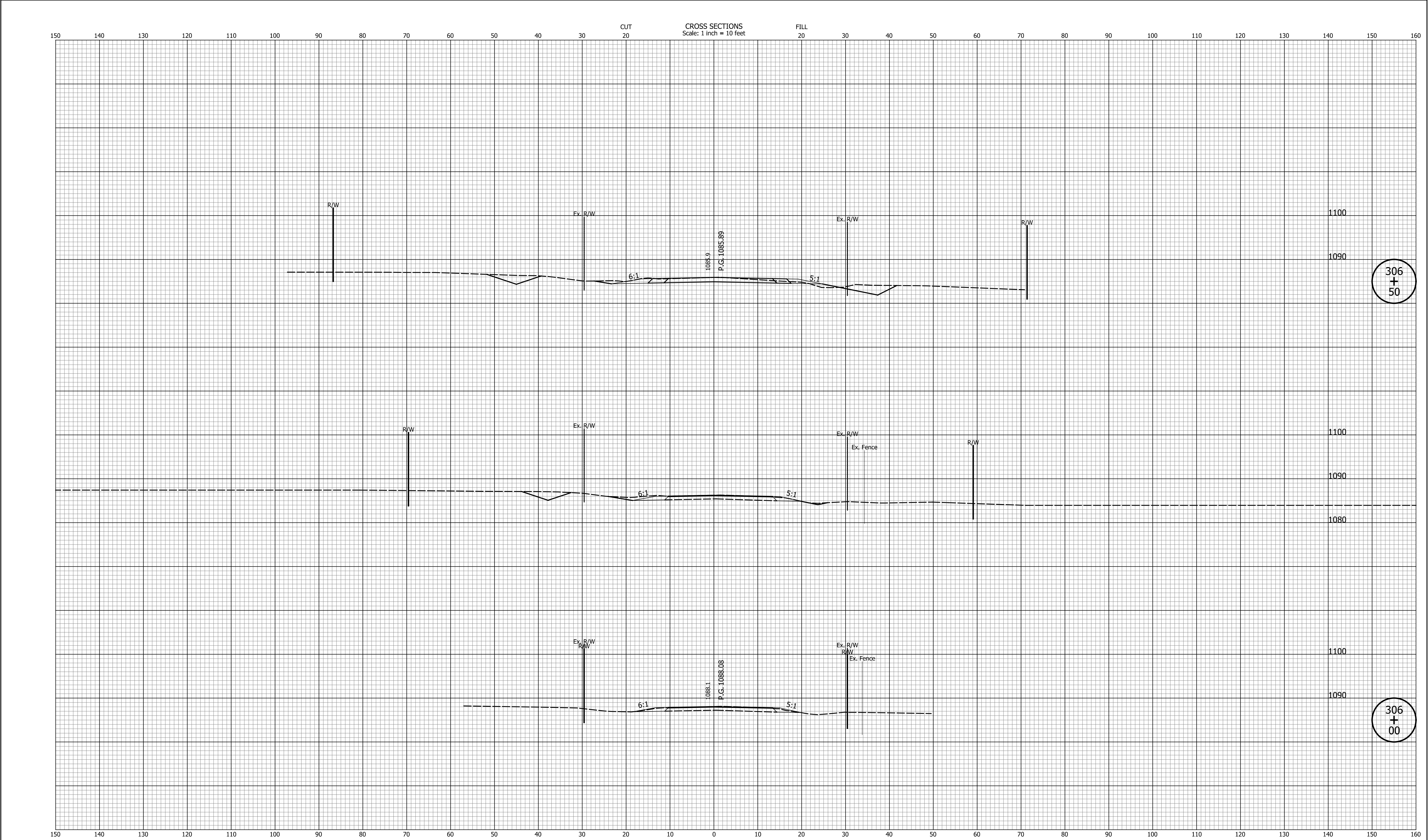


DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: LAM	DRAWN: MCC	
CHECKED: JPS	CHECKED: JPS	

INDIANA DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS LINE "A"

HORIZONTAL SCALE 1' = 10"	BRIDGE FILE N/A
VERTICAL SCALE 1' = 10'	DESIGNATION 2200507
SURVEY BOOK N/A	SHEETS 52 of 73
CONTRACT R-44589	PROJECT 2200507



DATE	REVISION

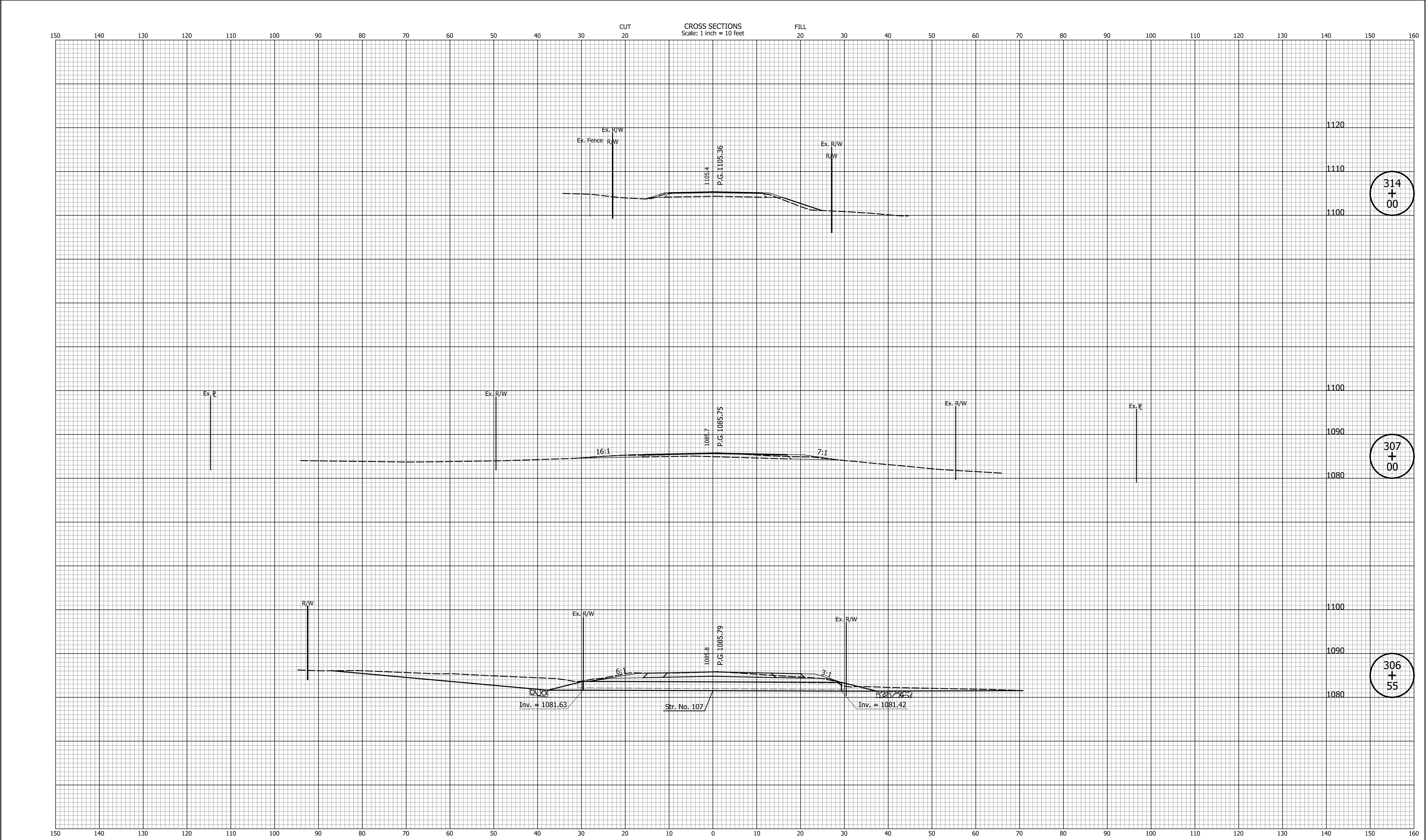
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DESIGNED: LAM	DRAWN: MCC	
CHECKED: JPS	CHECKED: JPS	

INDIANA DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS LINE "A"

HORIZONTAL SCALE 1' = 10"	BRIDGE FILE N/A
VERTICAL SCALE 1' = 10'	DESIGNATION 2200507
SURVEY BOOK N/A	SHEETS 53 of 73
CONTRACT R-44589	PROJECT 2200507

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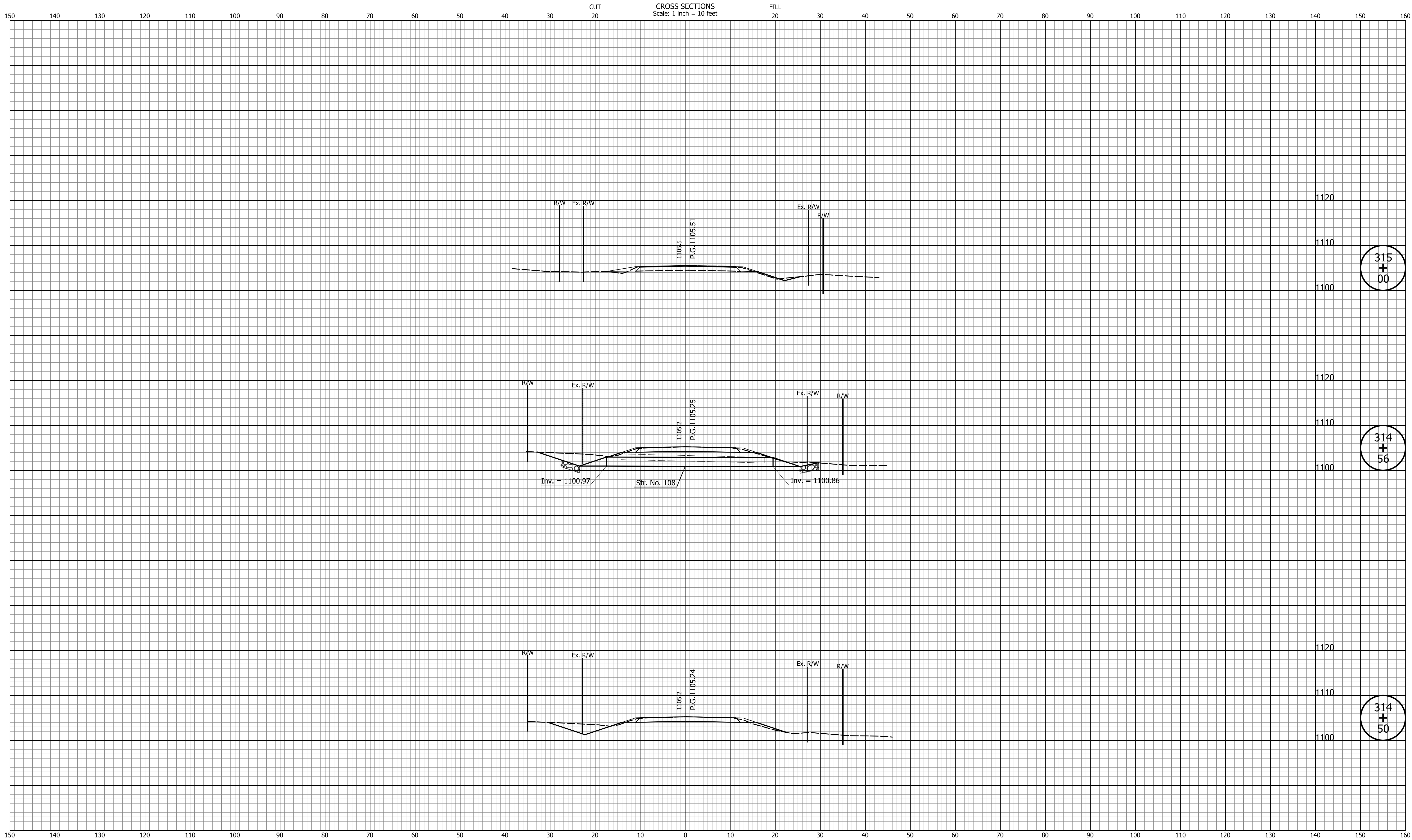


DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
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CHECKED: JPS	CHECKED: JPS	

INDIANA DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS LINE "A"

HORIZONTAL SCALE 1' = 10"	BRIDGE FILE N/A
VERTICAL SCALE 1' = 10'	DESIGNATION 2200507
SURVEY BOOK N/A	SHEETS 54 of 73
CONTRACT R-44589	PROJECT 2200507

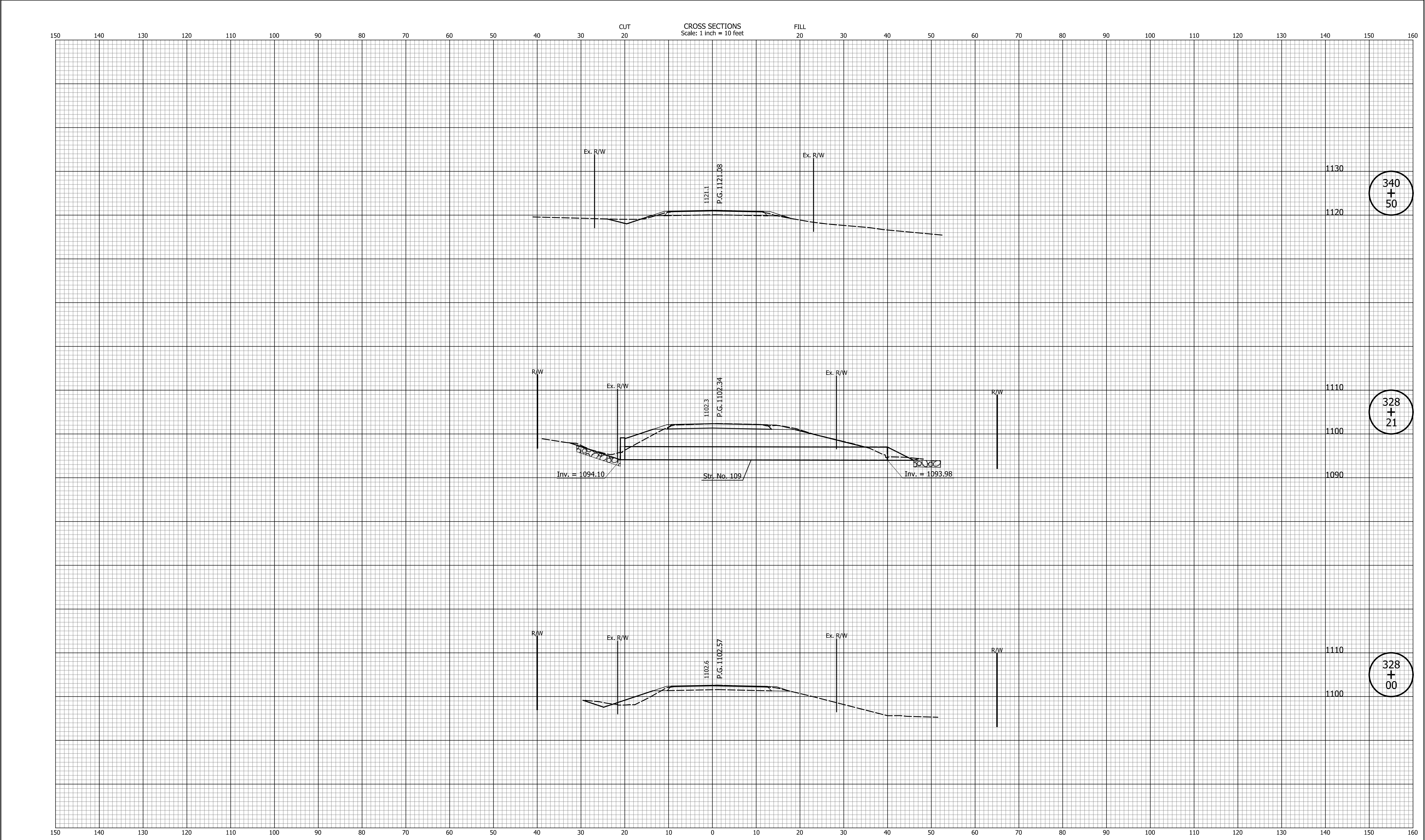


DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: LAM	DRAWN: MCC	
CHECKED: JPS	CHECKED: JPS	

INDIANA DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS LINE "A"

HORIZONTAL SCALE 1' = 10"	BRIDGE FILE N/A
VERTICAL SCALE 1' = 10'	DESIGNATION 2200507
SURVEY BOOK N/A	SHEETS 55 of 73
CONTRACT R-44589	PROJECT 2200507

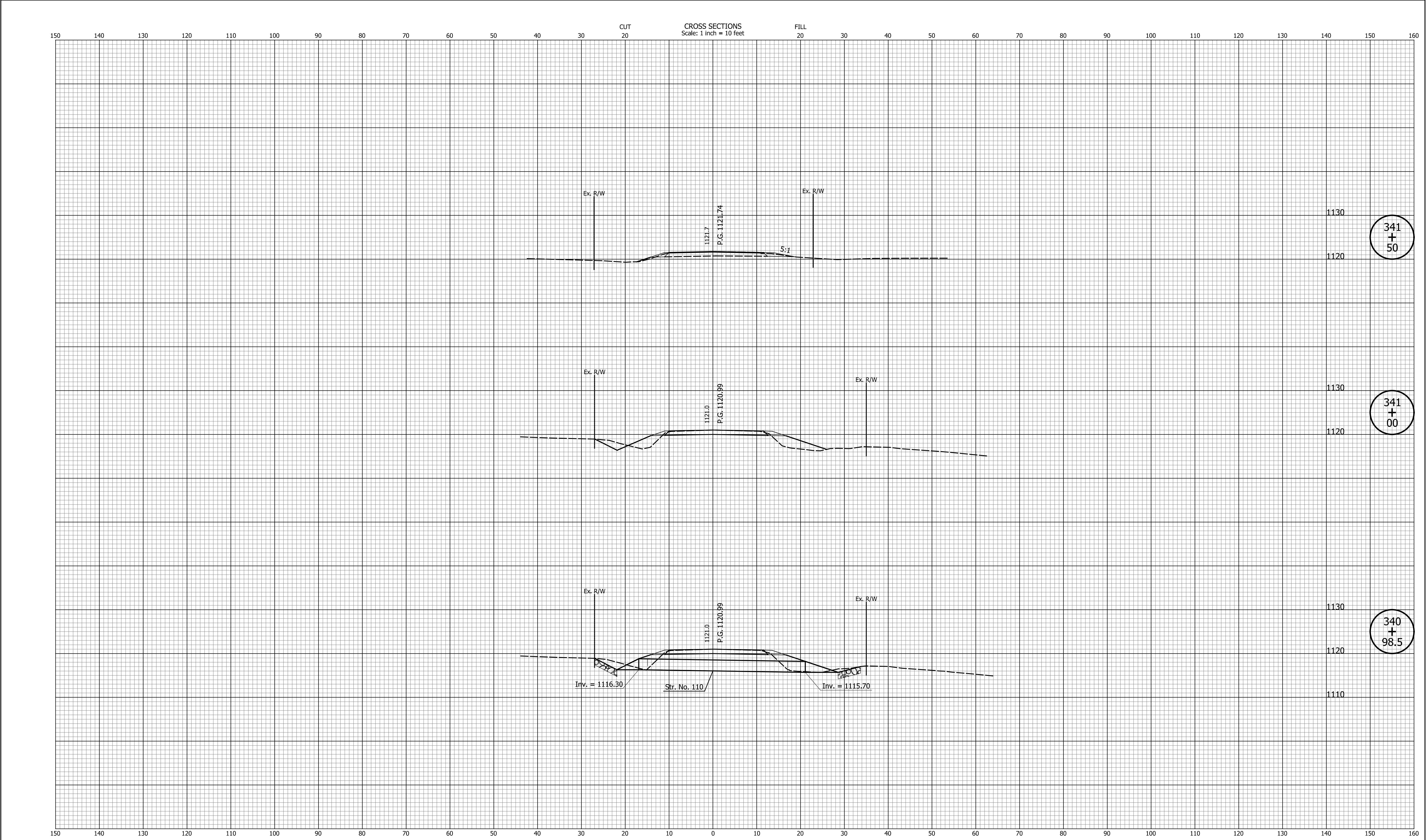


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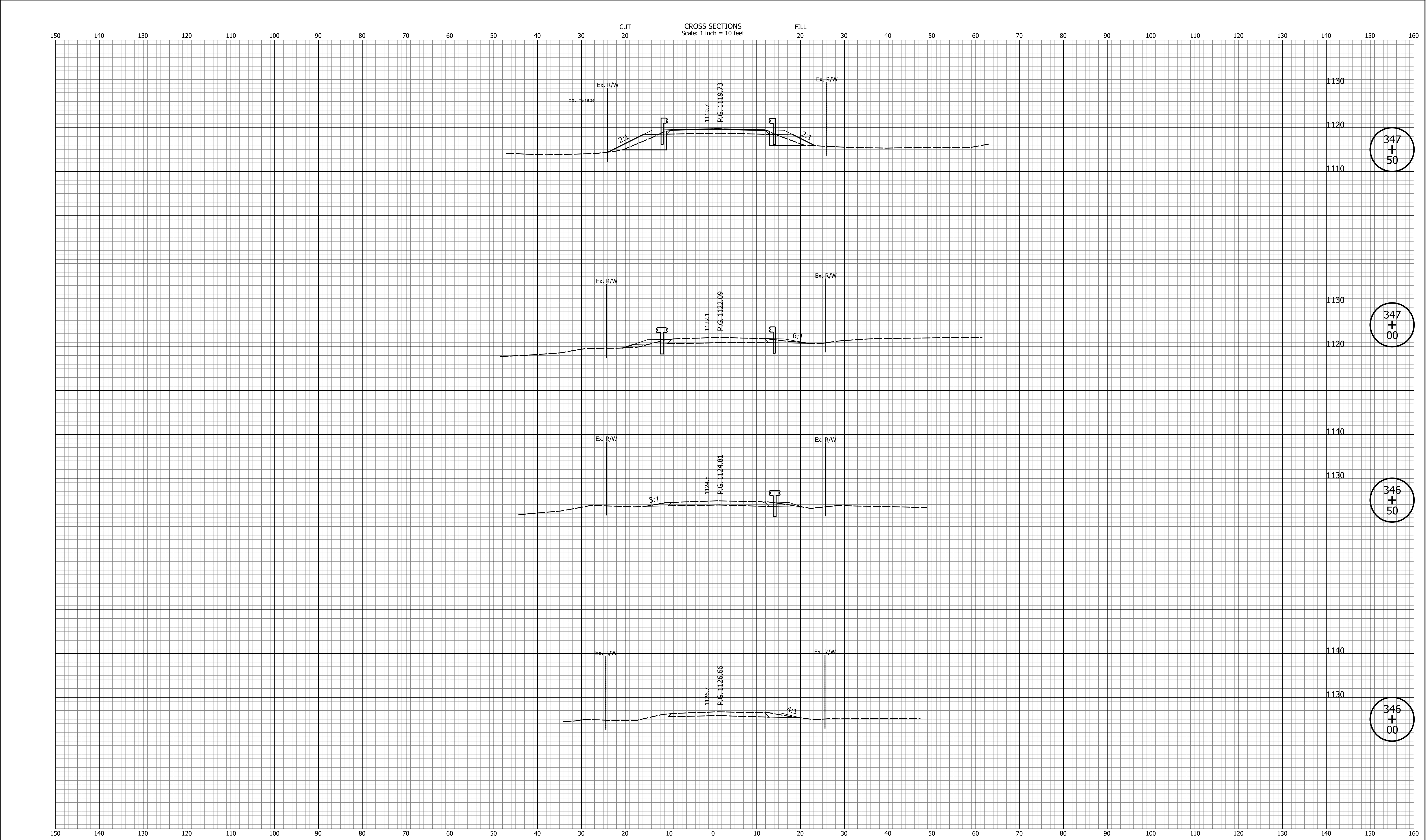
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DESIGNED: LAM	DRAWN: MCC	
CHECKED: JPS	CHECKED: JPS	

INDIANA DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS LINE "A"

HORIZONTAL SCALE 1' = 10"	BRIDGE FILE N/A
VERTICAL SCALE 1' = 10'	DESIGNATION 2200507
SURVEY BOOK N/A	SHEETS 56 of 73
CONTRACT R-44589	PROJECT 2200507



DATE	REVISION							RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE	
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										VERTICAL SCALE	DESIGNATION	
										1' = 10'	2200507	
						DESIGNED: _____ LAM	DRAWN: _____ MCC	CROSS SECTIONS LINE "A"	SURVEY BOOK	SHEETS		
									N/A	57	of	73
						CHECKED: _____ JPS	CHECKED: _____ JPS		CONTRACT	PROJECT		
								R-44589	2200507			



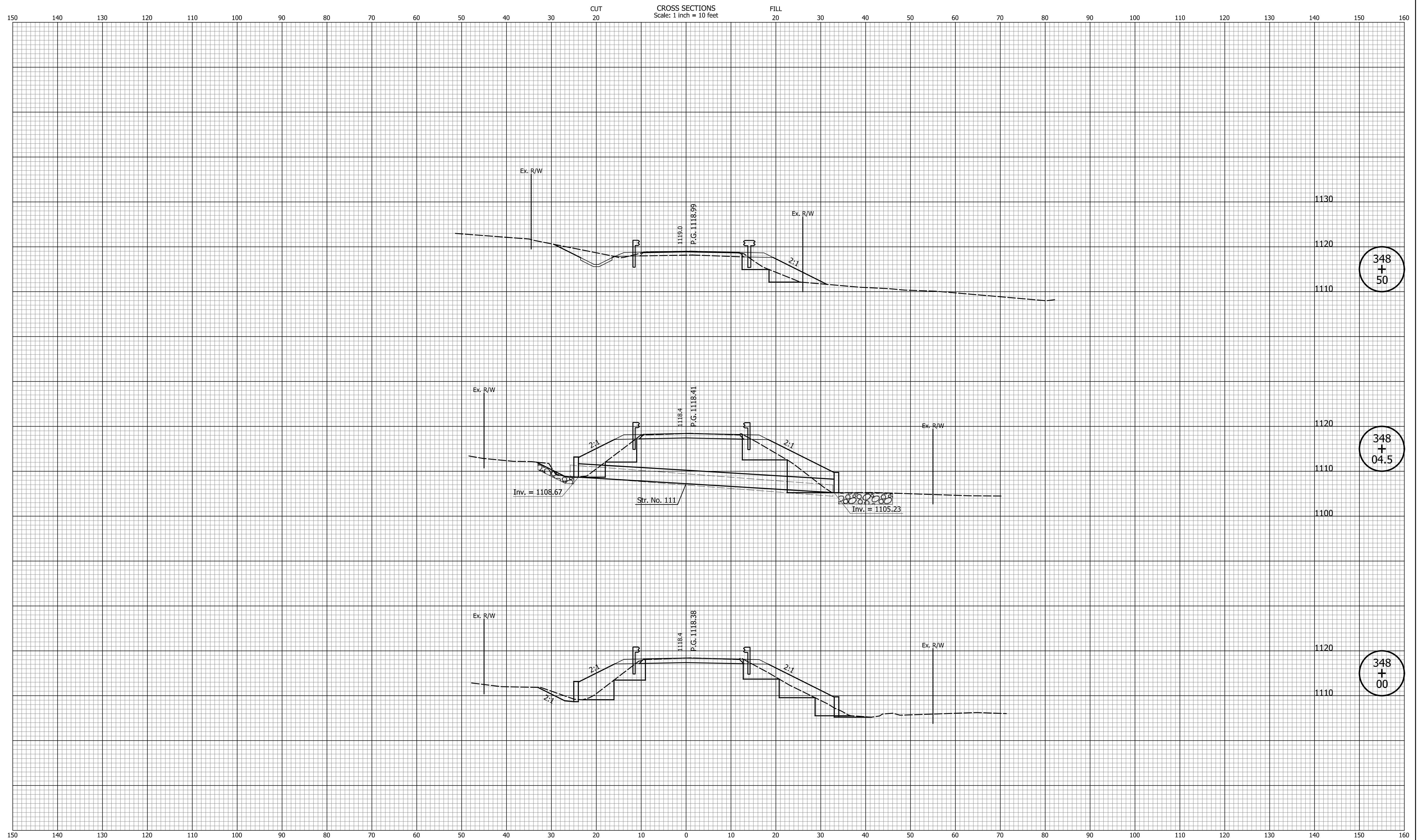
DATE	REVISION

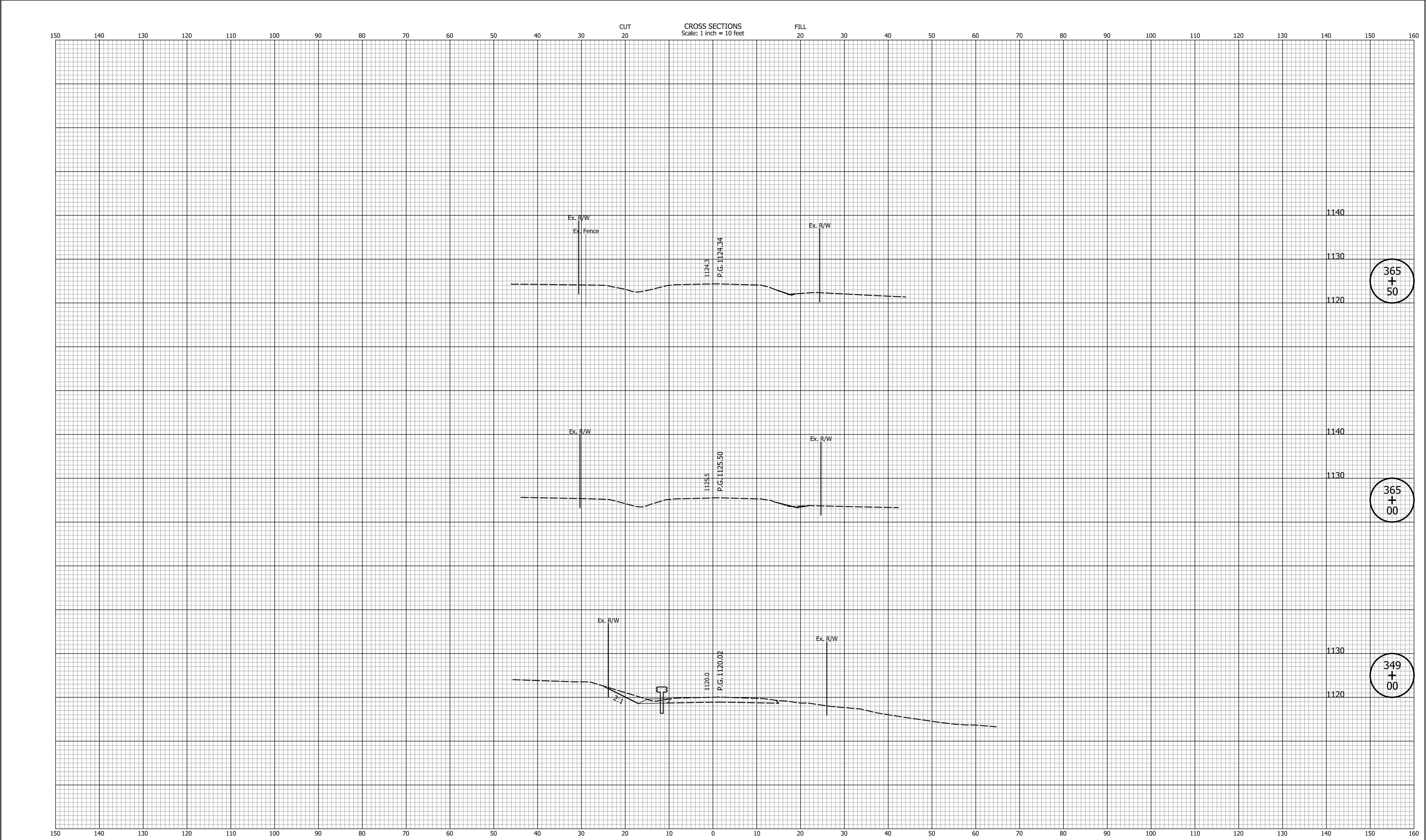
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INDIANA DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS LINE "A"

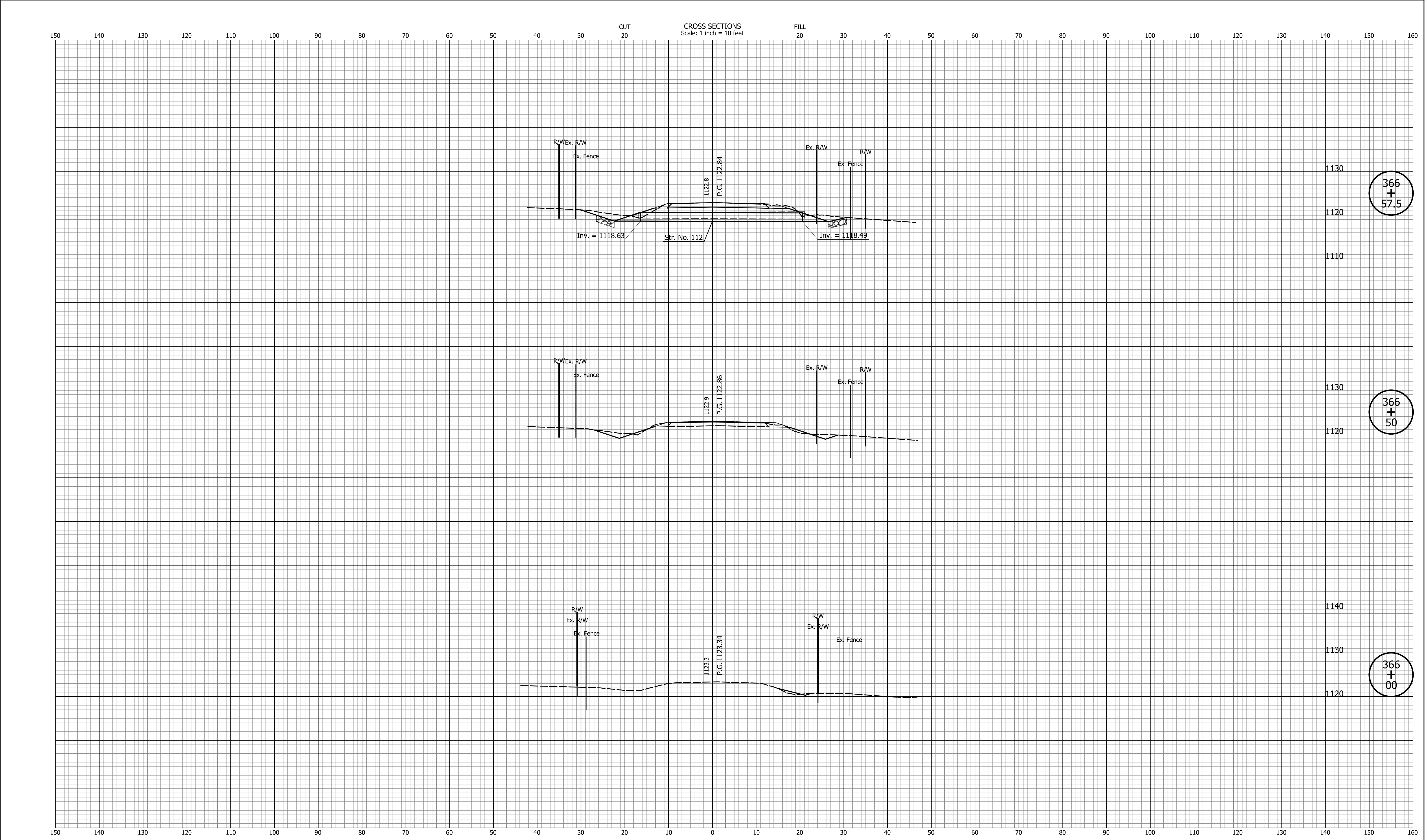
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VERTICAL SCALE 1' = 10'	DESIGNATION 2200507
SURVEY BOOK N/A	SHEETS 58 of 73
CONTRACT R-44589	PROJECT 2200507

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Indiana State Std

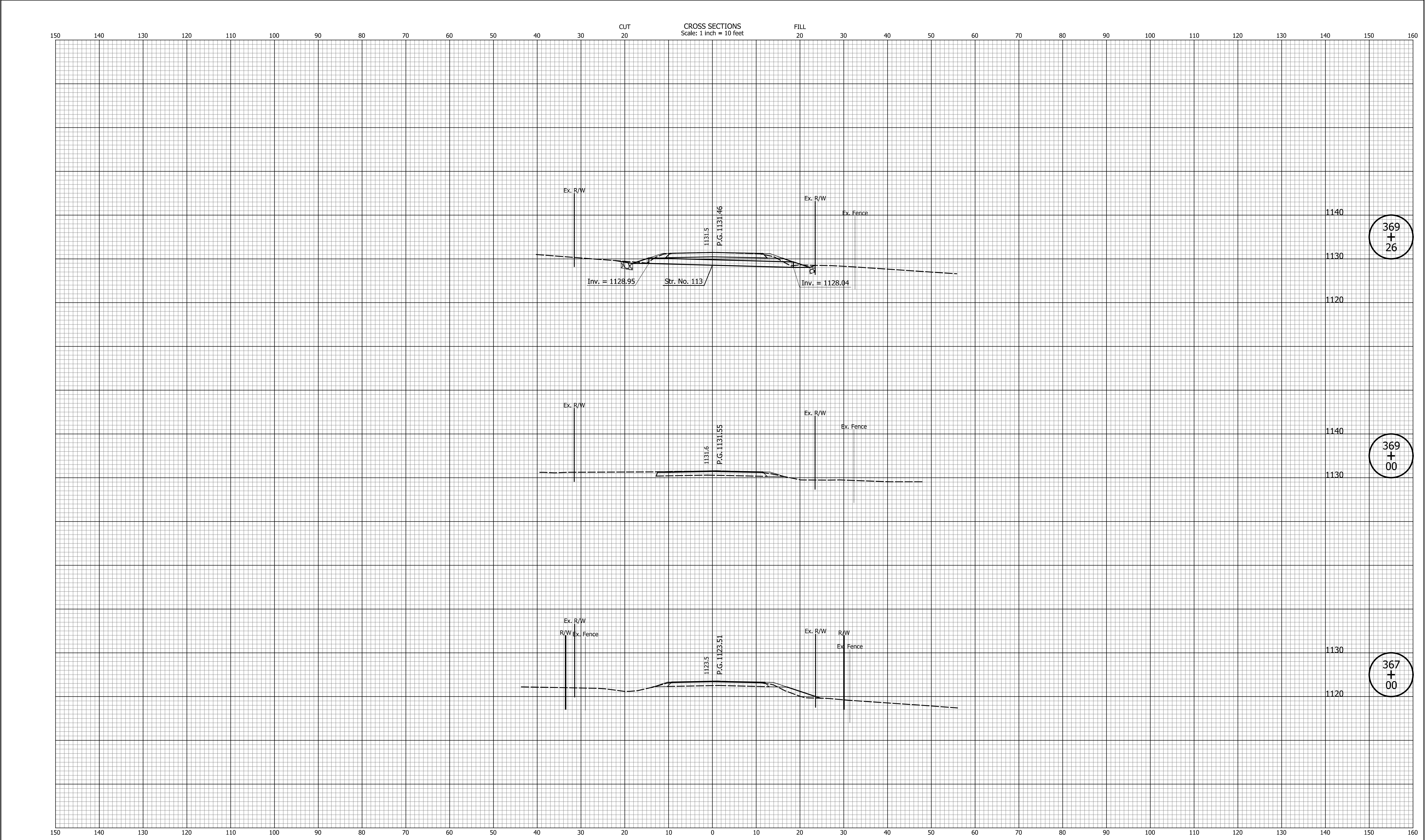
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DATE	REVISION							RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____		INDIANA DEPARTMENT OF TRANSPORTATION				HORIZONTAL SCALE		BRIDGE FILE	
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					VERTICAL SCALE									DESIGNATION			
					1' = 10'									2200507			
						DESIGNED: _____ LAM	DRAWN: _____ MCC		CROSS SECTIONS LINE "A"				SURVEY BOOK		SHEETS		
								N/A					60	of	73		
						CHECKED: _____ JPS	CHECKED: _____ JPS						CONTRACT		PROJECT		
										R-44589		2200507					



DATE	REVISION							RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION				HORIZONTAL SCALE		BRIDGE FILE	
					1' = 10"										N/A			
					VERTICAL SCALE										DESIGNATION			
					1' = 10'										2200507			
					SURVEY BOOK										SHEETS			
								DESIGNED: LAM	DRAWN: MCC	CROSS SECTIONS LINE "A"				N/A		61	of	73
								CHECKED: JPS	CHECKED: JPS					CONTRACT		PROJECT		
														R-44589		2200507		



DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: LAM	DRAWN: MCC	
CHECKED: JPS	CHECKED: JPS	

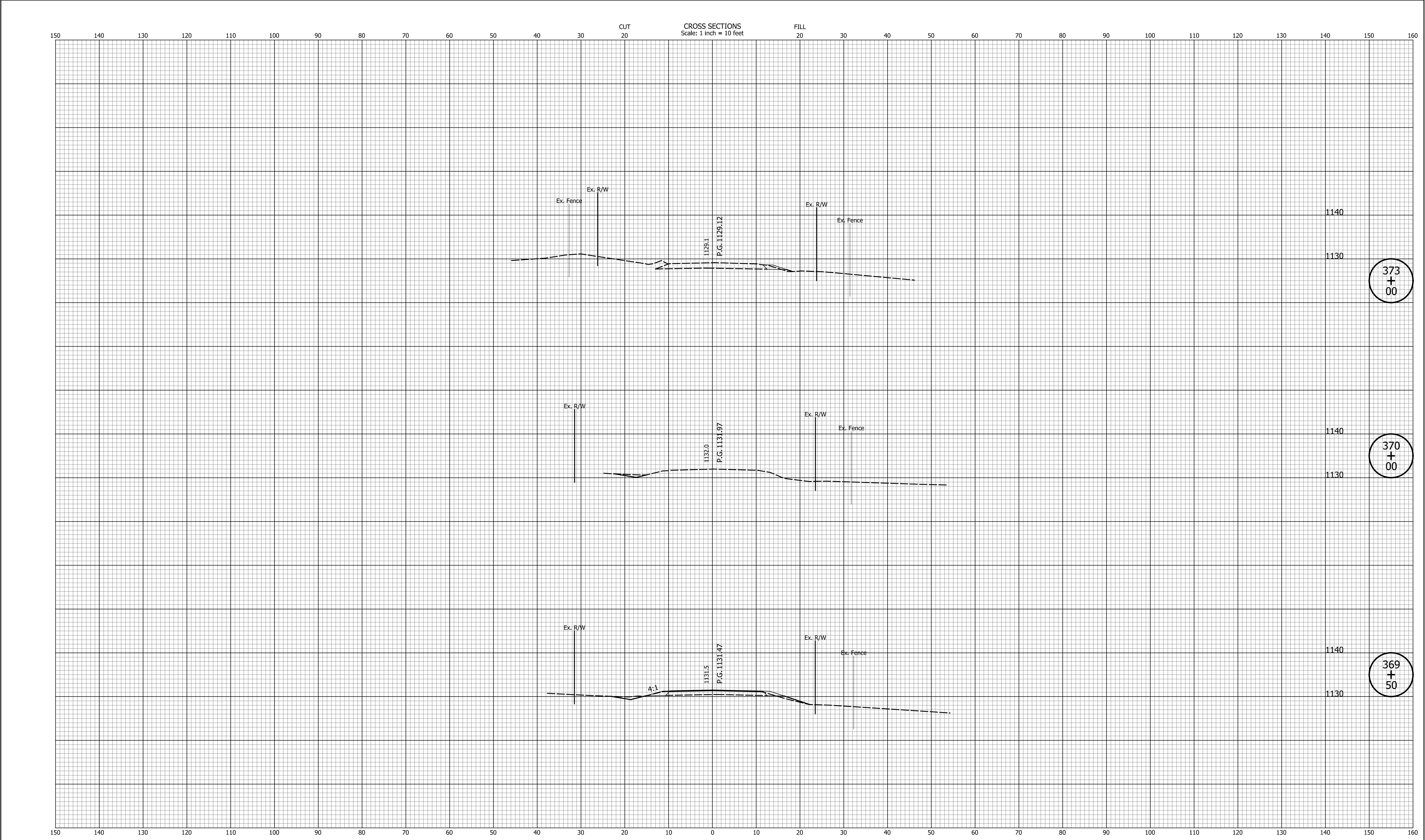
INDIANA DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS LINE "A"

HORIZONTAL SCALE 1' = 10"	BRIDGE FILE N/A
VERTICAL SCALE 1' = 10'	DESIGNATION 2200507
SURVEY BOOK N/A	SHEETS 62 of 73
CONTRACT R-44589	PROJECT 2200507

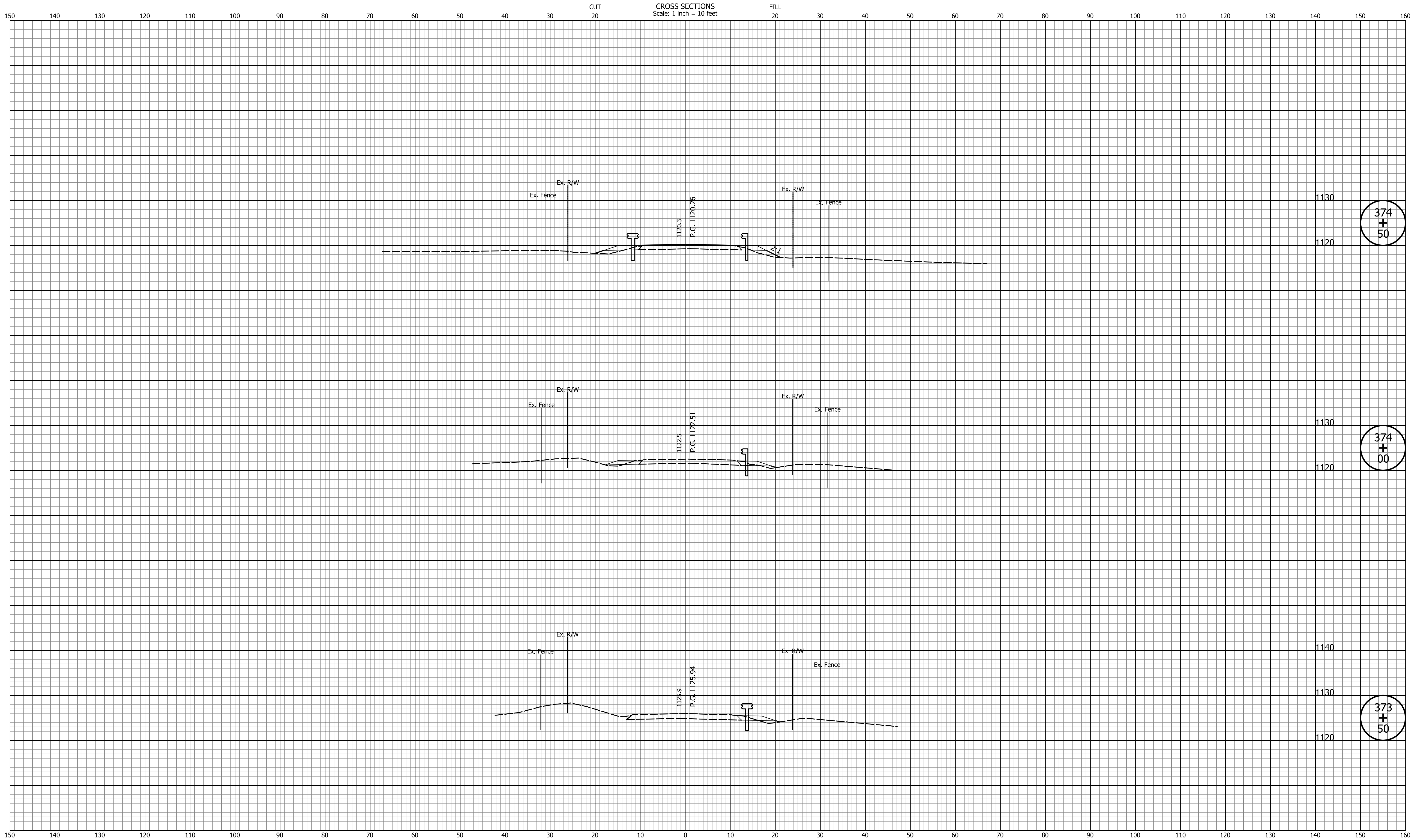
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DATE	REVISION							RECOMMENDED FOR APPROVAL	DESIGN ENGINEER		DATE	INDIANA DEPARTMENT OF TRANSPORTATION				HORIZONTAL SCALE		BRIDGE FILE	
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					VERTICAL SCALE											DESIGNATION			
					1' = 10'											2200507			
							DESIGNED: _____	LAM	DRAWN: _____	MCC	CROSS SECTIONS LINE "A"				SURVEY BOOK		SHEETS		
															N/A		63	of	73
							CHECKED: _____	JPS	CHECKED: _____	JPS					CONTRACT		PROJECT		
																R-44589	2200507		



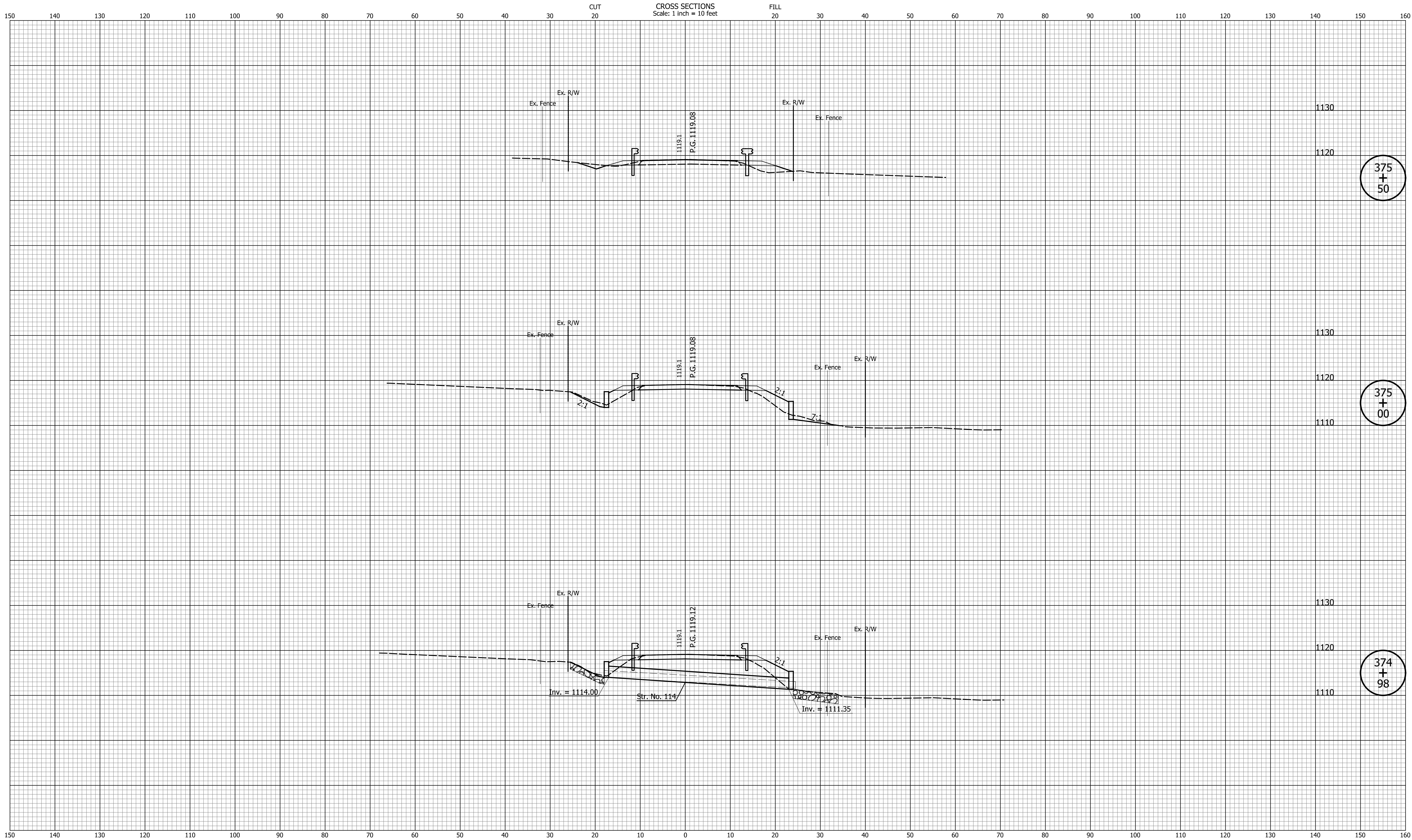
DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: LAM	DRAWN: MCC	
CHECKED: JPS	CHECKED: JPS	

INDIANA DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS LINE "A"

HORIZONTAL SCALE 1' = 10"	BRIDGE FILE N/A
VERTICAL SCALE 1' = 10'	DESIGNATION 2200507
SURVEY BOOK N/A	SHEETS 64 of 73
CONTRACT R-44589	PROJECT 2200507

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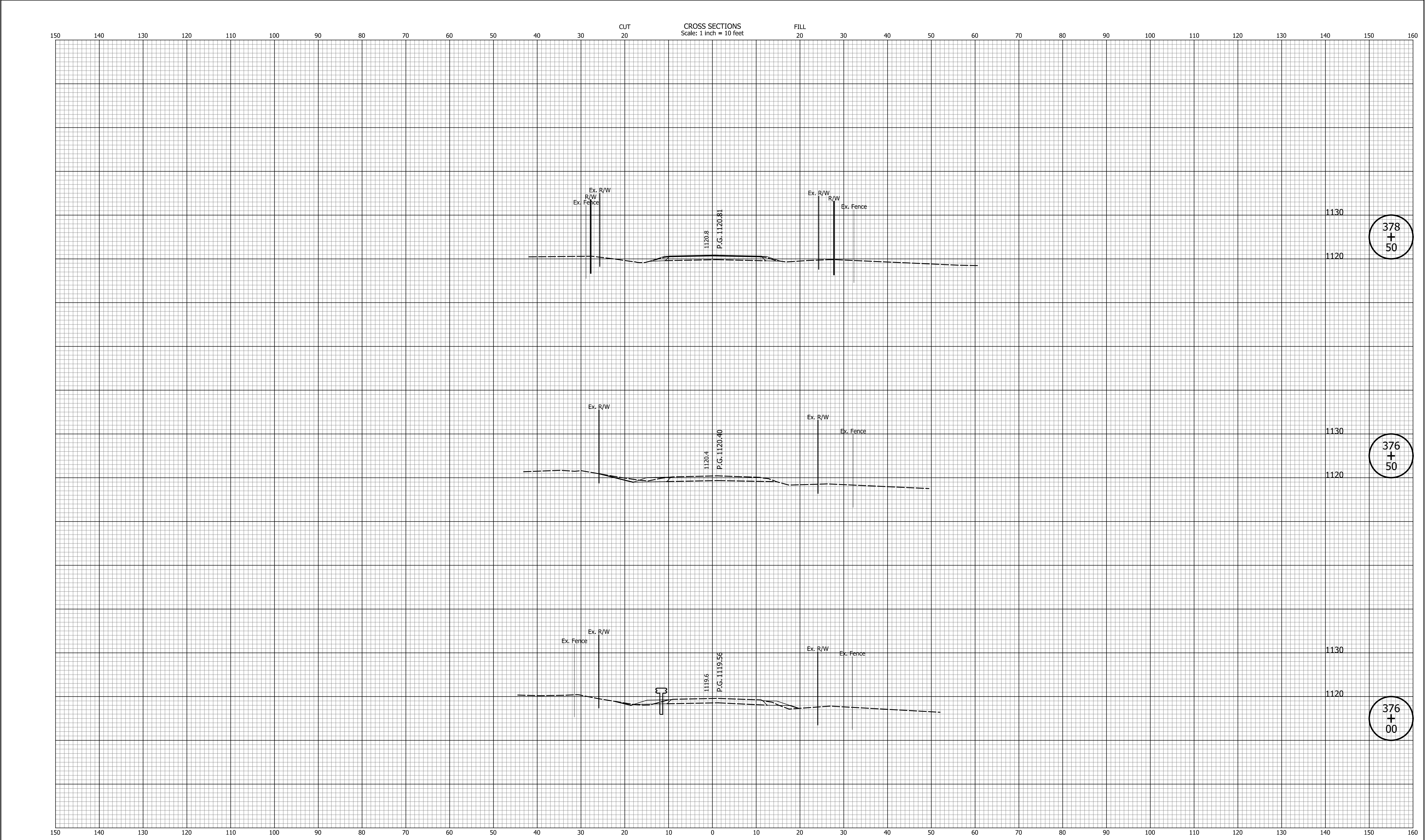


DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: LAM	DRAWN: MCC	
CHECKED: JPS	CHECKED: JPS	

INDIANA DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS LINE "A"

HORIZONTAL SCALE 1' = 10"	BRIDGE FILE N/A
VERTICAL SCALE 1' = 10'	DESIGNATION 2200507
SURVEY BOOK N/A	SHEETS 65 of 73
CONTRACT R-44589	PROJECT 2200507

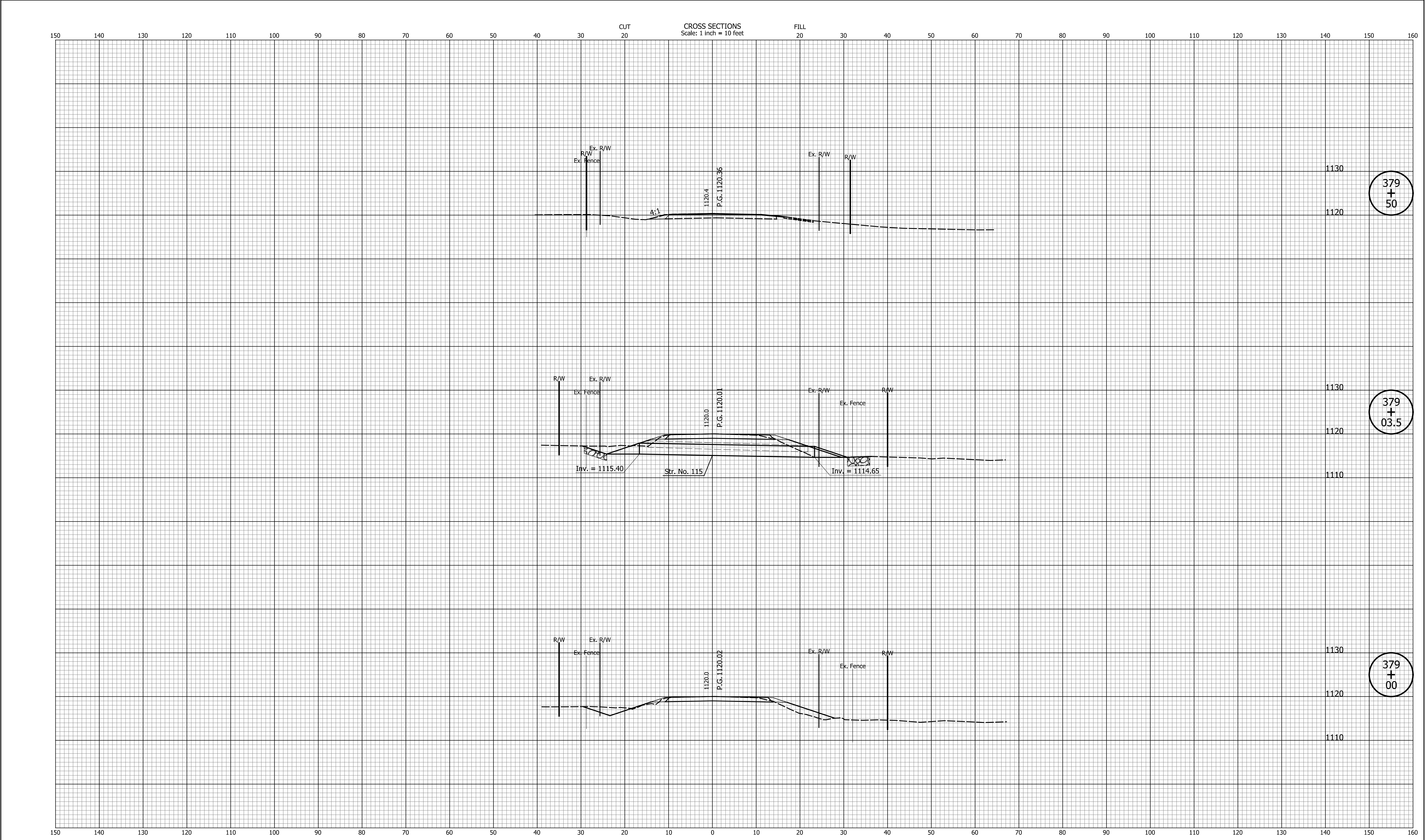


DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: LAM	DRAWN: MCC	
CHECKED: JPS	CHECKED: JPS	

INDIANA DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS LINE "A"

HORIZONTAL SCALE 1' = 10"	BRIDGE FILE N/A
VERTICAL SCALE 1' = 10'	DESIGNATION 2200507
SURVEY BOOK N/A	SHEETS 66 of 73
CONTRACT R-44589	PROJECT 2200507

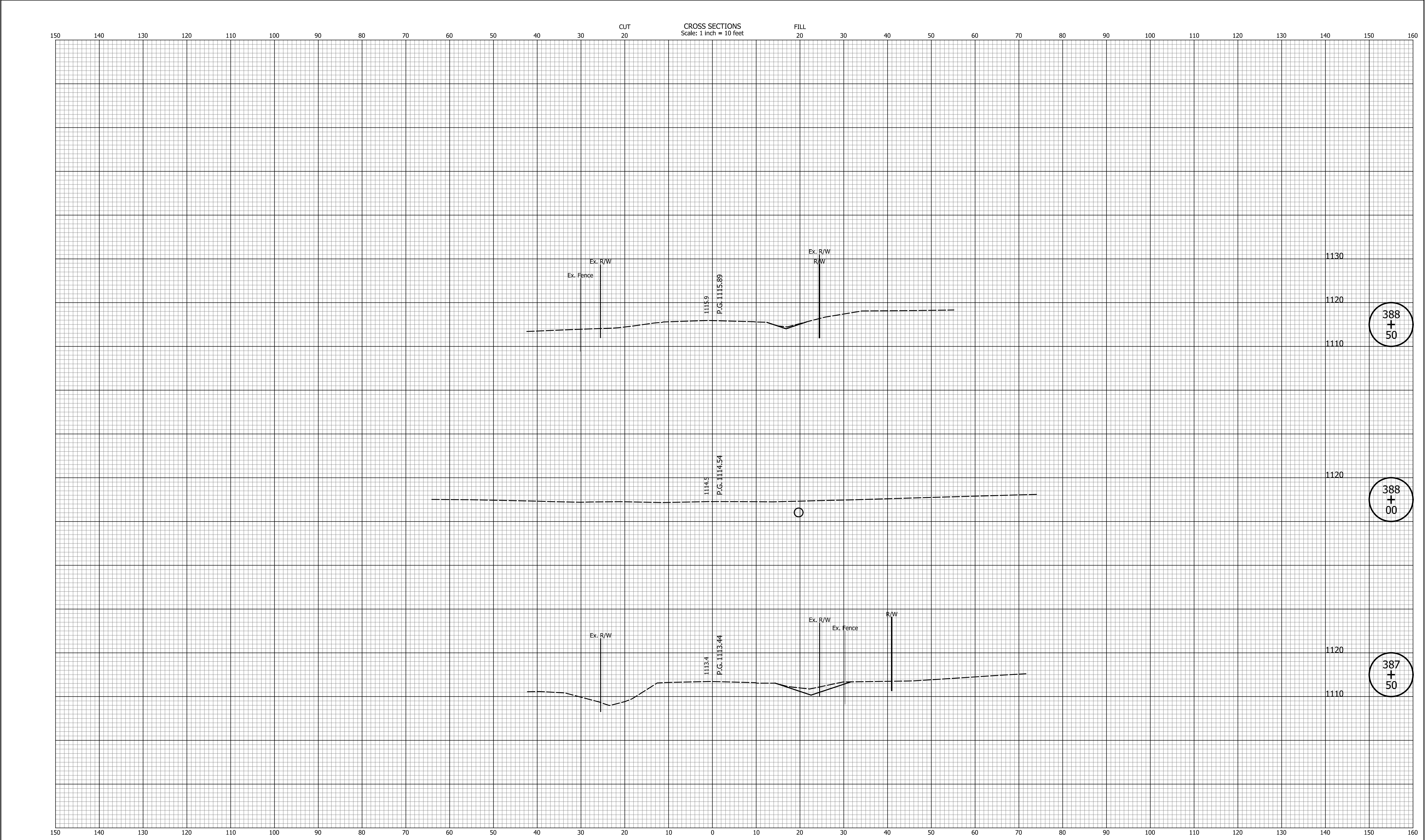


DATE	REVISION

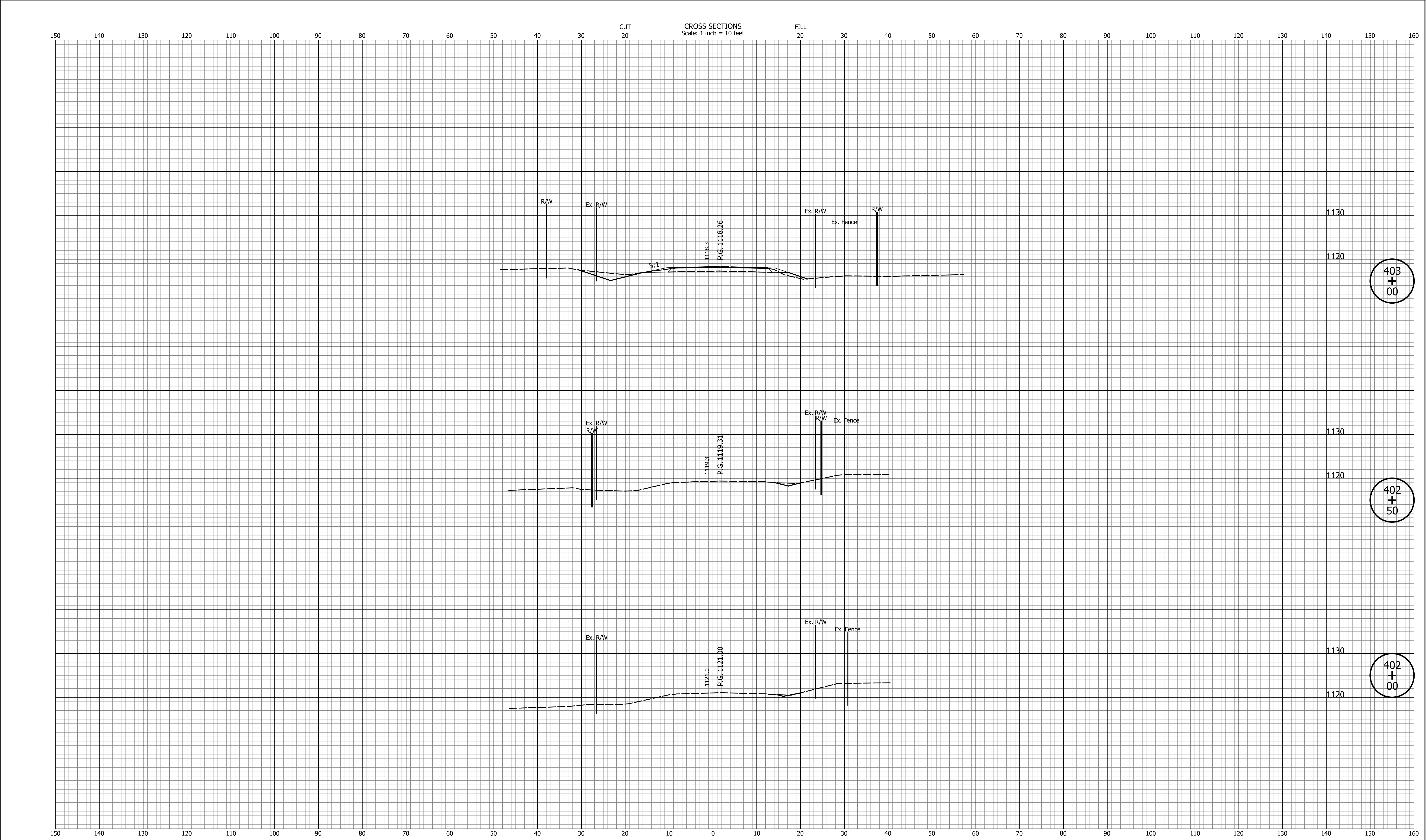
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: LAM	DRAWN: MCC	
CHECKED: JPS	CHECKED: JPS	

INDIANA DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS LINE "A"

HORIZONTAL SCALE 1' = 10"	BRIDGE FILE N/A
VERTICAL SCALE 1' = 10'	DESIGNATION 2200507
SURVEY BOOK N/A	SHEETS 67 of 73
CONTRACT R-44589	PROJECT 2200507



DATE	REVISION							RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION				HORIZONTAL SCALE		BRIDGE FILE	
					1' = 10"										N/A			
					VERTICAL SCALE										DESIGNATION			
					1' = 10'										2200507			
					SURVEY BOOK										SHEETS			
							DESIGNED: _____ LAM _____	DRAWN: _____ MCC _____	CROSS SECTIONS LINE "A"				N/A		68 of 73			
													CONTRACT		PROJECT			
													R-44589		2200507			



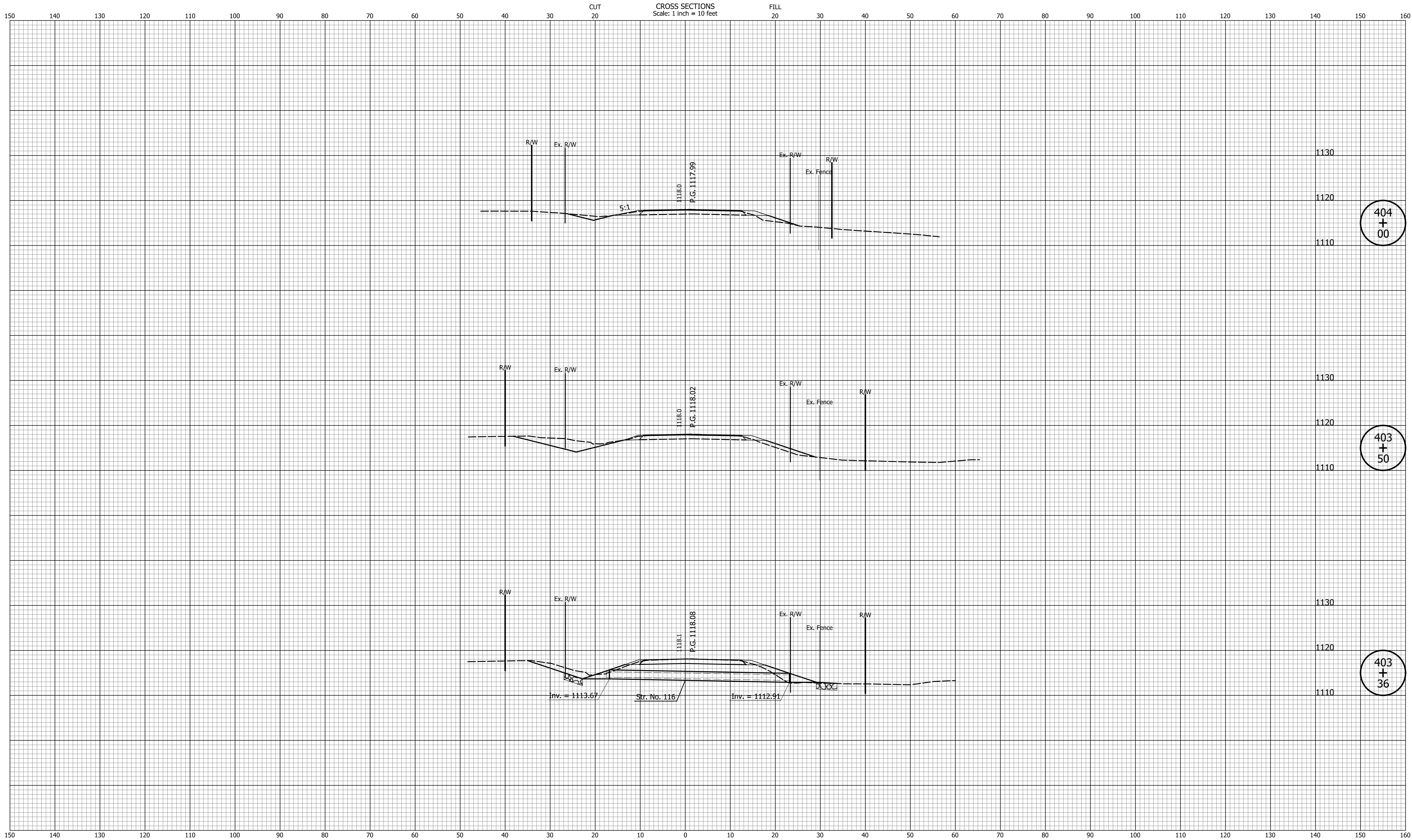
DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: LAM	DRAWN: MCC	
CHECKED: JPS	CHECKED: JPS	

INDIANA DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS LINE "A"

HORIZONTAL SCALE 1' = 10"	BRIDGE FILE N/A
VERTICAL SCALE 1' = 10'	DESIGNATION 2200507
SURVEY BOOK N/A	SHEETS 69 of 73
CONTRACT R-44589	PROJECT 2200507

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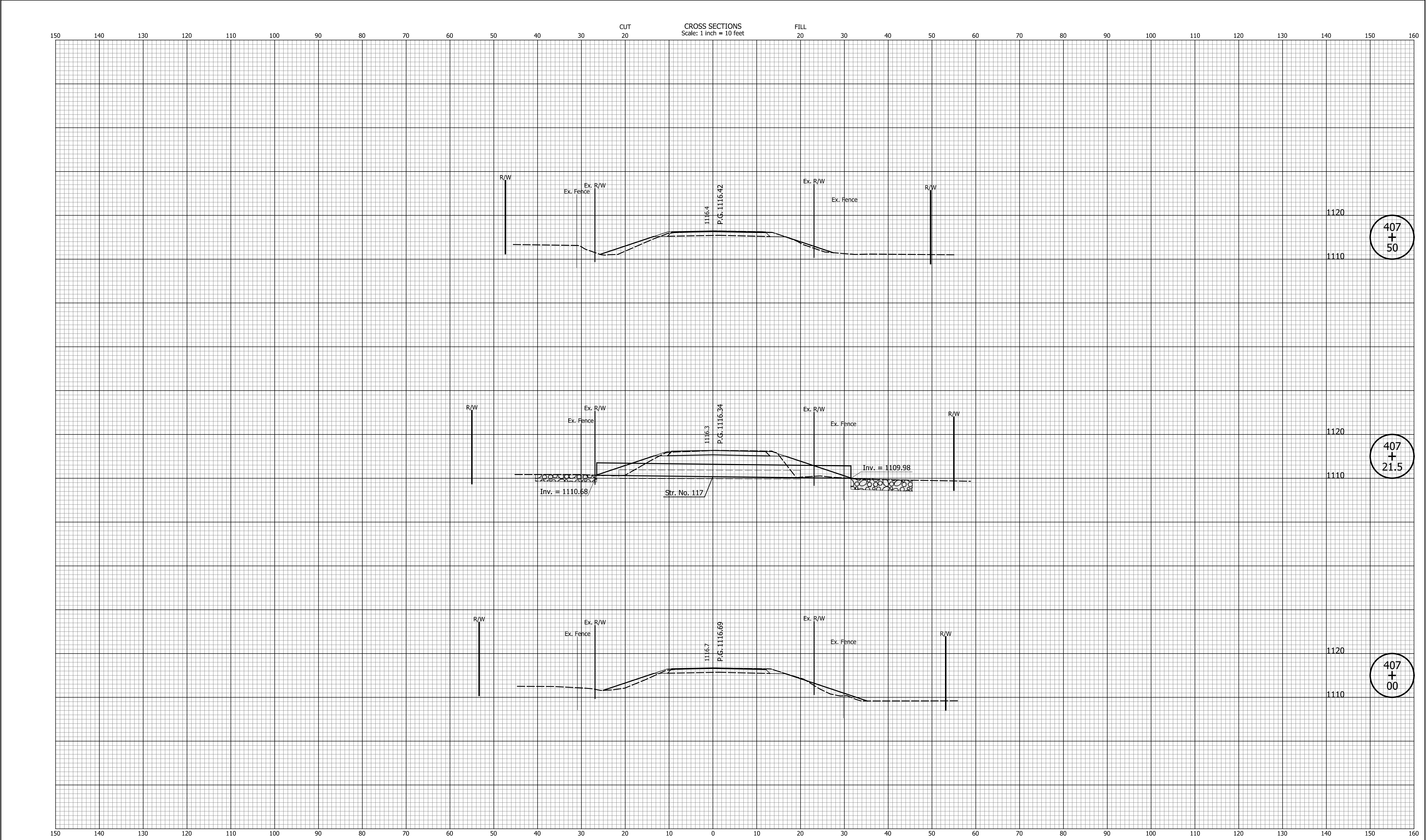


DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: LAM	DRAWN: MCC	
CHECKED: JPS	CHECKED: JPS	

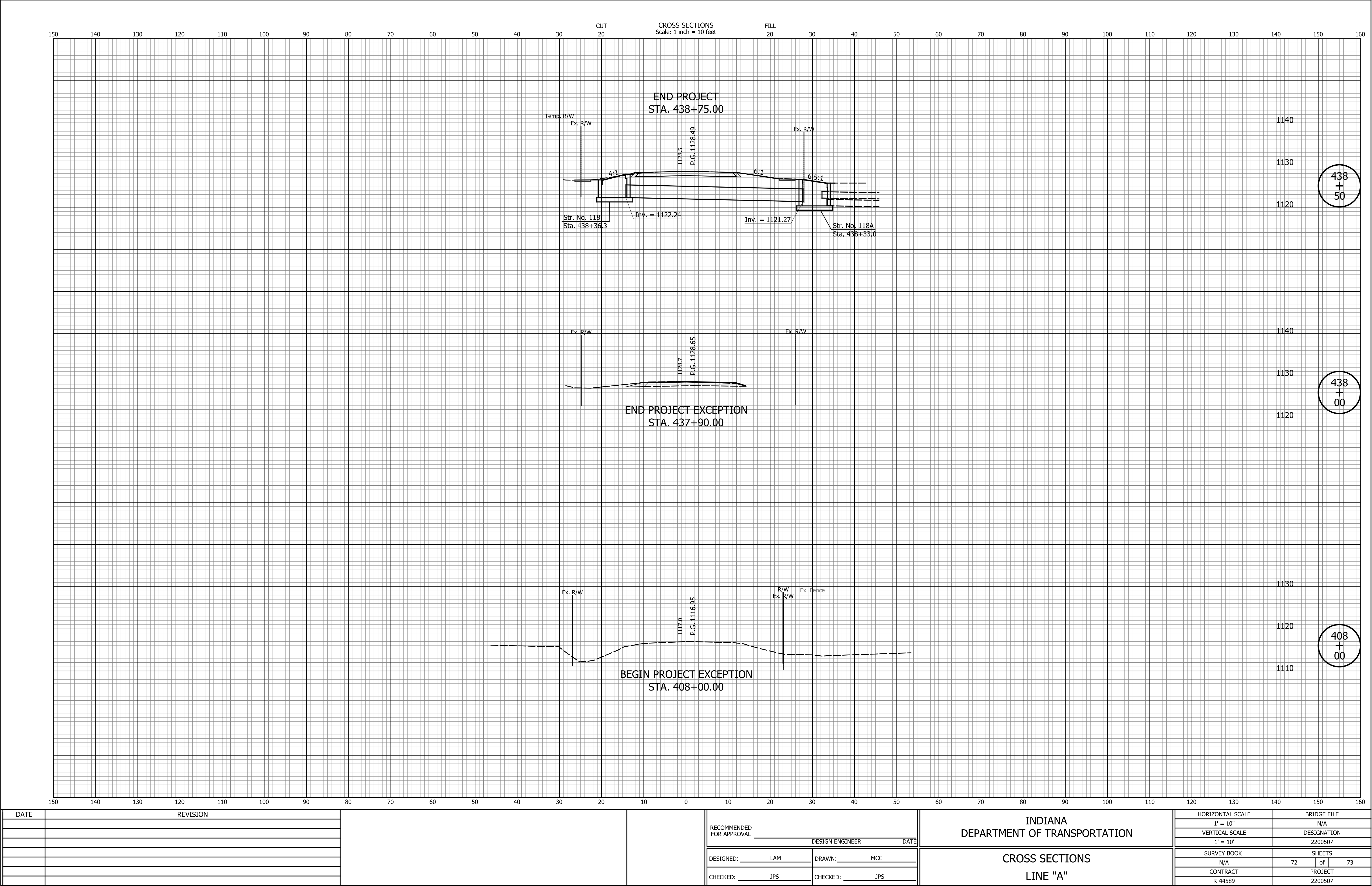
INDIANA DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS LINE "A"

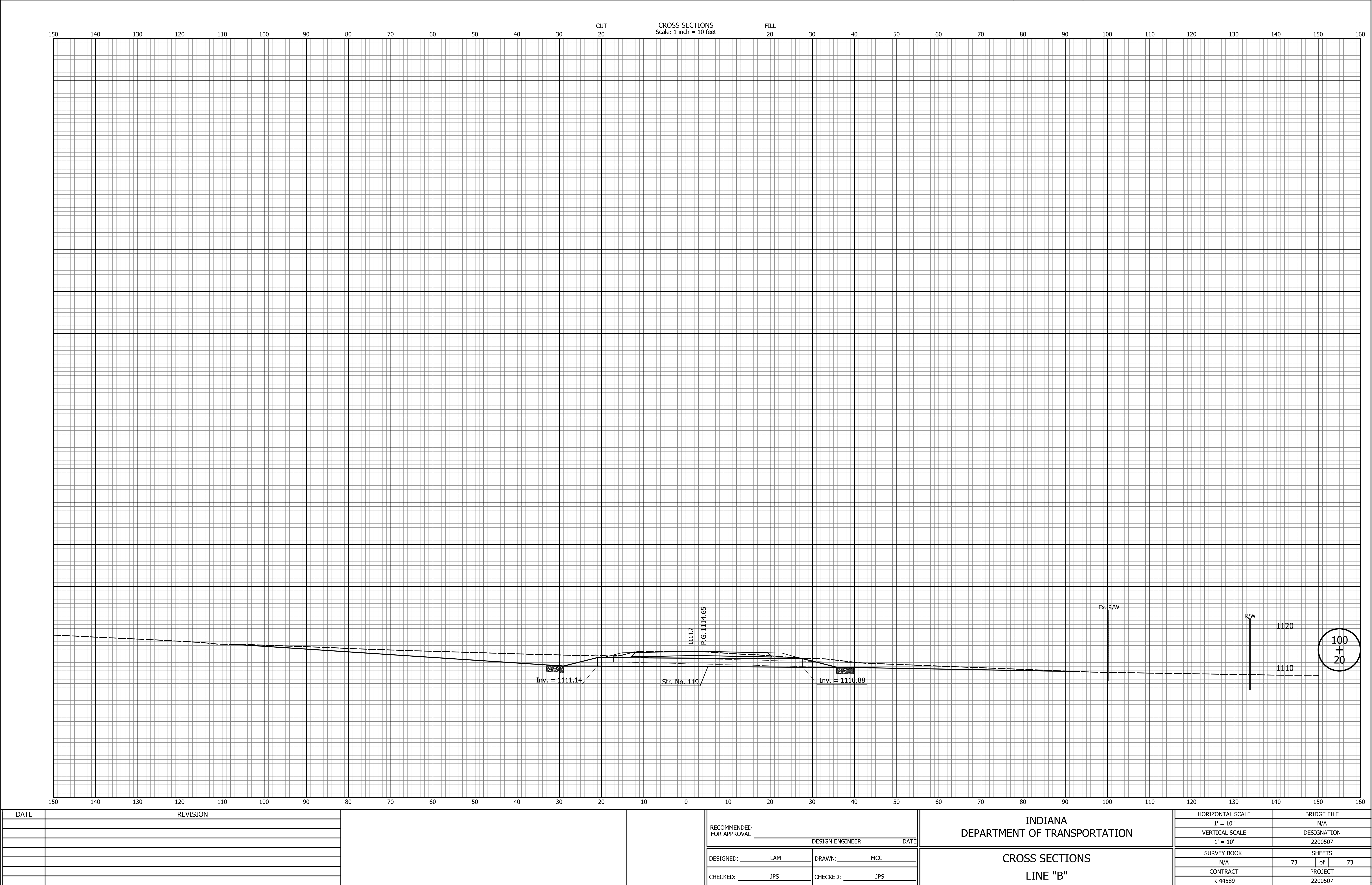
HORIZONTAL SCALE 1' = 10"	BRIDGE FILE N/A
VERTICAL SCALE 1' = 10'	DESIGNATION 2200507
SURVEY BOOK N/A	SHEETS 70 of 73
CONTRACT R-44589	PROJECT 2200507



DATE	REVISION						RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE			
									1' = 10"	N/A			
									VERTICAL SCALE	DESIGNATION			
									1' = 10'	2200507			
							DESIGNED: _____ LAM _____	DRAWN: _____ MCC _____	CROSS SECTIONS LINE "A"	SURVEY BOOK	SHEETS		
										N/A	71	of	73
							CHECKED: _____ JPS _____	CHECKED: _____ JPS _____		CONTRACT	PROJECT		
										R-44589	2200507		

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