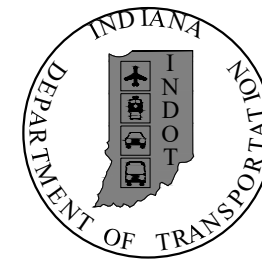


PROJECT	DESIGNATION
1593272	1593272
CONTRACT	BRIDGE FILE
RS-39363	

# INDIANA DEPARTMENT OF TRANSPORTATION



## ROAD PLANS STATE ROAD 59

PROJECT NO. 1593272 P.E.  
1593272 R/W  
1593272 CONST.

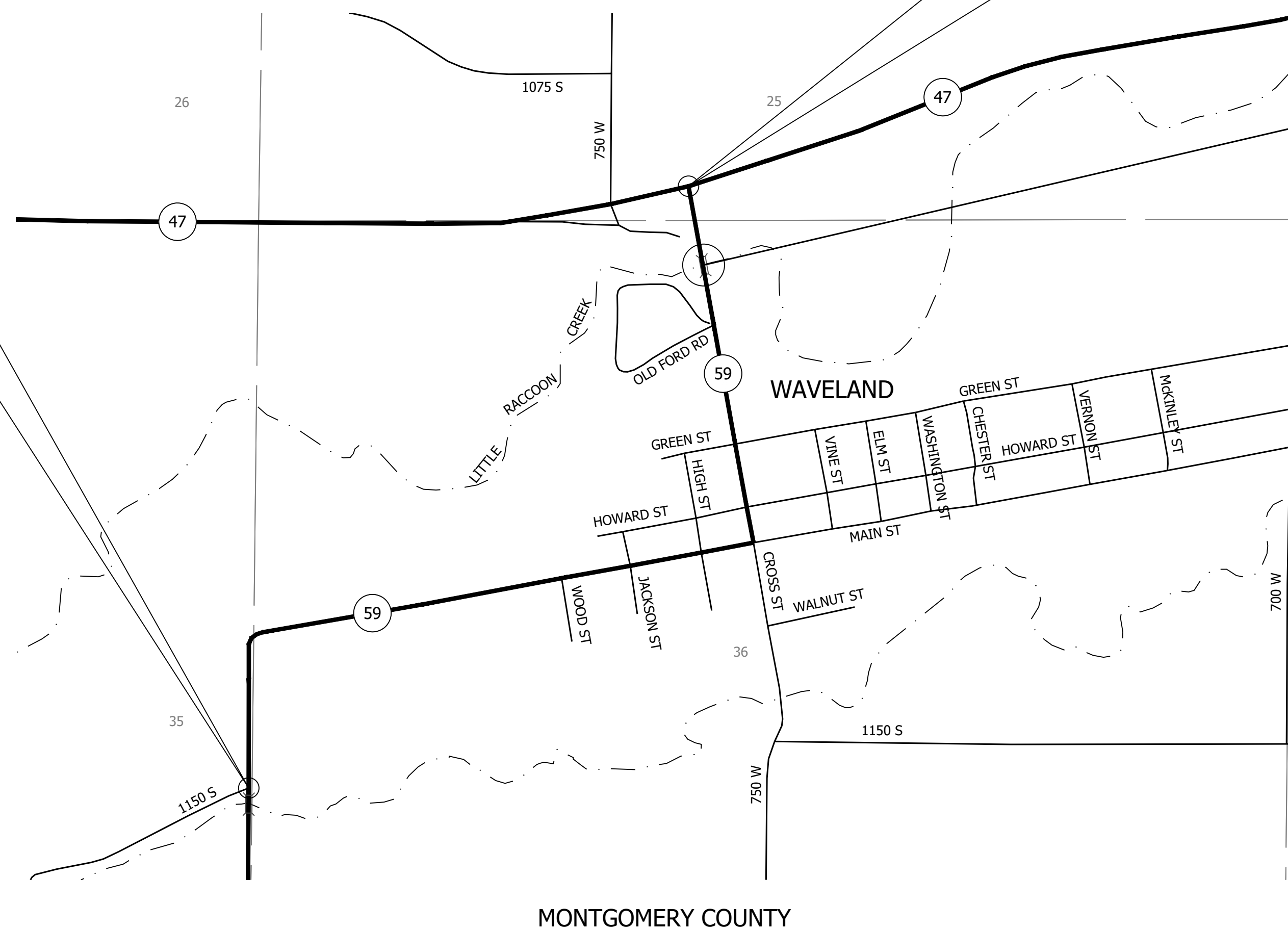
STATE ROAD 59 REHABILITATION BEGINNING AT A POINT WITH THE INTERSECTION OF COUNTY ROAD 1150 SOUTH EXTENDING NORTHWARD THROUGH THE TOWN OF WAVELAND TO THE INTERSECTION OF STATE ROAD 59 AND STATE ROAD 47 IN SECTIONS 35, 36, & 25, TOWNSHIP 17 NORTH, RANGE 6 WEST IN BROWN TOWNSHIP, ALL IN MONTGOMERY COUNTY, INDIANA.

Gross Length: 0.98 MI.  
Net Length: 0.95 MI.  
Maximum Grade: 9.07 %

END PROJECT NO.  
STA.98+30, LINE "C"

BEGIN PROJECT NO.  
STA. 48+00.00, LINE "C"

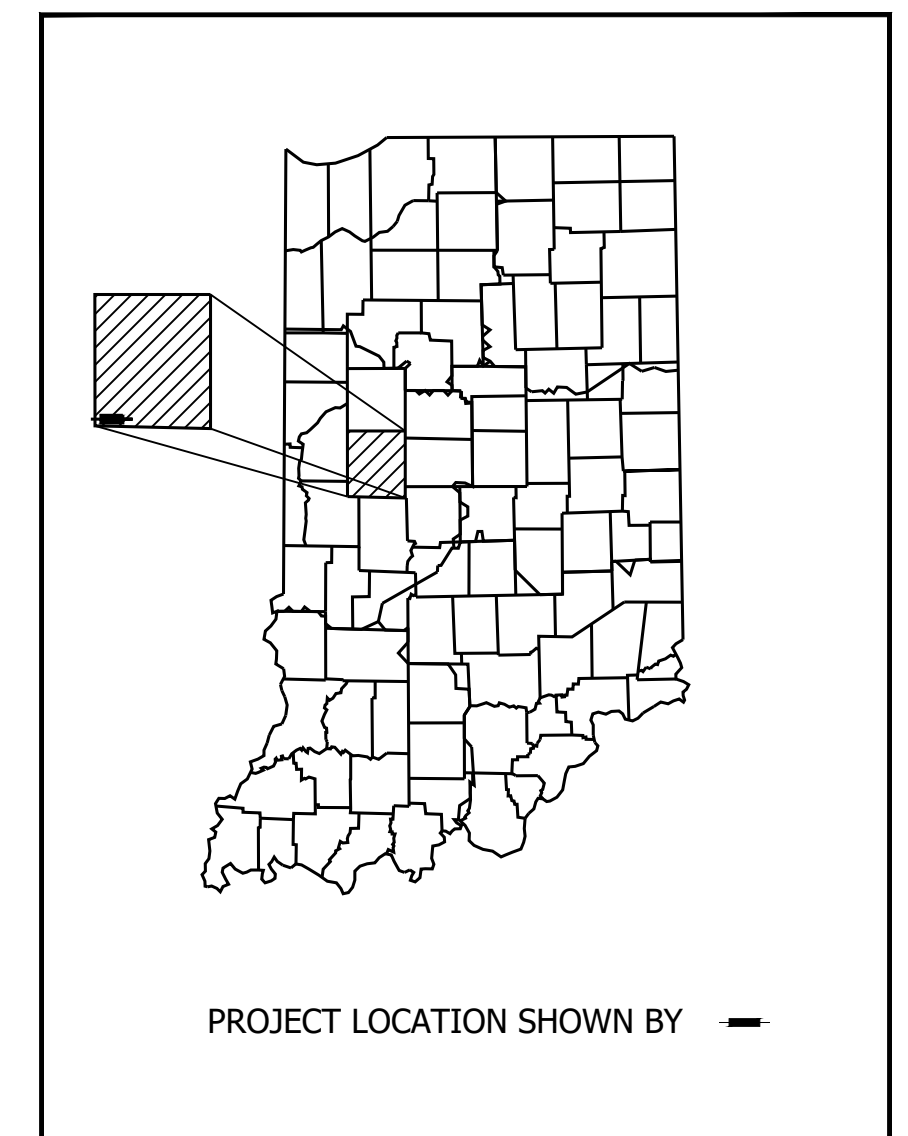
Structure 059-54-10327  
SR 59 over Little Raccoon Creek  
Sta. 96+01.54 Line "C"  
DES# 1701591



TRAFFIC DATA		LINE "C"	
A.A.D.T.	(2018)	1,970	V.P.D.
A.A.D.T.	(2042)	2,045	V.P.D.
D.H.V.	(2042)	197.3	V.P.H.
DIRECTIONAL DISTRIBUTION		9.50 %	A.A.D.T.
TRUCKS		10.77 %	D.H.V.

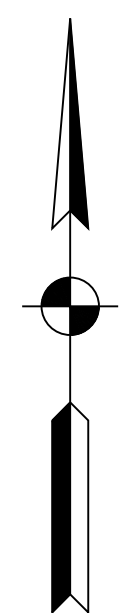
DESIGN DATA		STA. 48+00 TO 54+00 LINE "C"	
DESIGN SPEED		40	M.P.H.
PROJECT DESIGN CRITERIA		3R (NON-FREEWAY)	
FUNCTIONAL CLASSIFICATION		STATE COLLECTOR	
RURAL/URBAN		RURAL	
TERRAIN		LEVEL	
ACCESS CONTROL		NONE	

DESIGN DATA		STA. 54+00 TO 98+30 LINE "C"	
DESIGN SPEED		30	M.P.H.
PROJECT DESIGN CRITERIA		3R (NON-FREEWAY)	
FUNCTIONAL CLASSIFICATION		STATE COLLECTOR	
RURAL/URBAN		URBAN (INTERMEDIATE)	
TERRAIN		LEVEL	
ACCESS CONTROL		NONE	



BEGIN: LATITUDE: 39° 52' 25" N LONGITUDE: 87° 03' 14" W

END: LATITUDE: 39° 52' 55" N LONGITUDE: 87° 02' 45" W



SCALE: 1" = 500'

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

PRINT DATE: 1/15/20 PLOT SCALE: 1:1 EDIT DATE: 7/12/11 7:25 AM DRAWING FILE: P:\18-500-061-1 SR 59 WAVELAND\ACAD\01 TITLE\817-TITLE.DWG

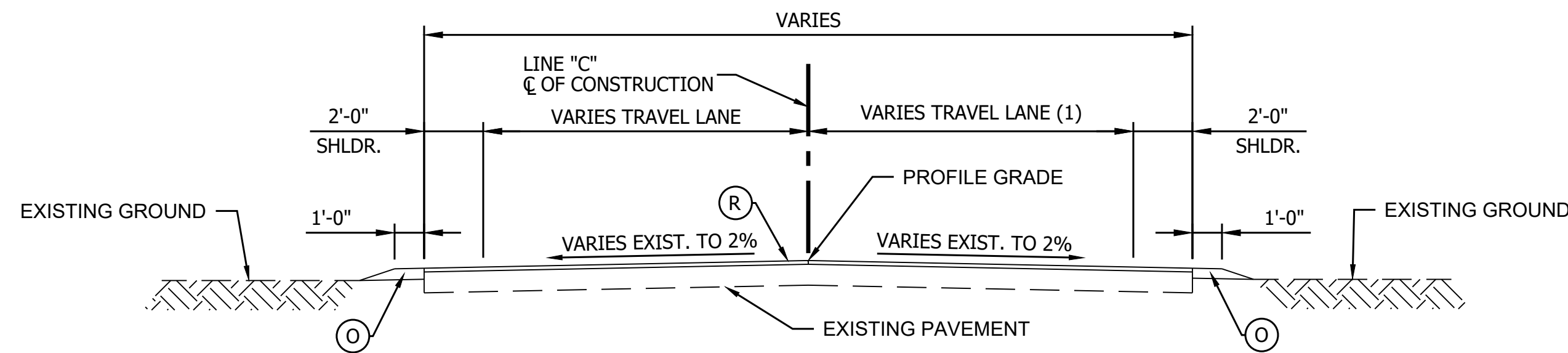


8770 NORTH ST., STE. 110  
FISHERS, IN 46038  
P: 317.588.1798  
F: 317.588.1799  
WWW.RQAW.COM

PLANS PREPARED BY:	RQAW Corporation, Inc.	317-815-7200
		PHONE NUMBER
CERTIFIED BY:		DATE
APPROVED FOR LETTING:	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

BRIDGE FILE	
DESIGNATION	
1593272	
SURVEY BOOK	SHEET
1	of 94
CONTRACT	PROJECT
RS-39363	1593272

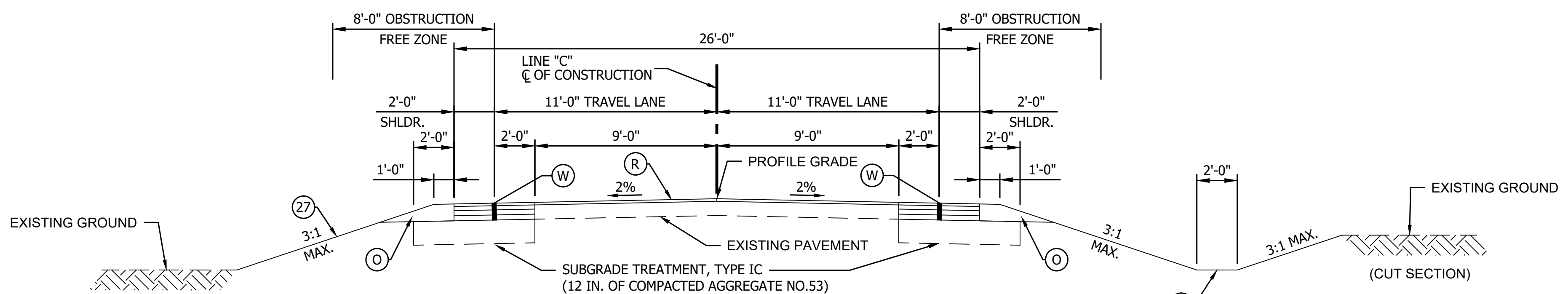




**PROPOSED INCIDENTAL SECTION**

STA. 47+35.82 TO STA. 48+00.00 "C"

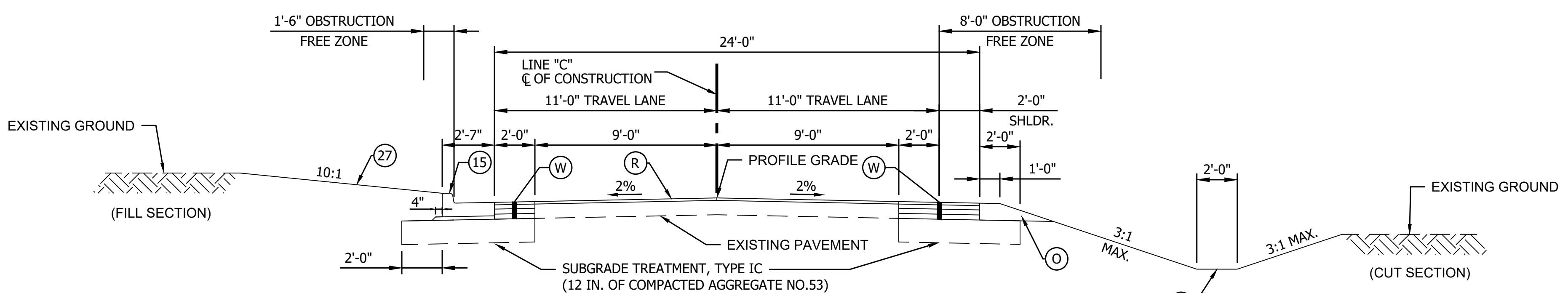
(1) WIDENING REQUIRED - STA. 47+35+82 TO STA. 48+00.00 "C"



**PROPOSED TANGENT SECTION**

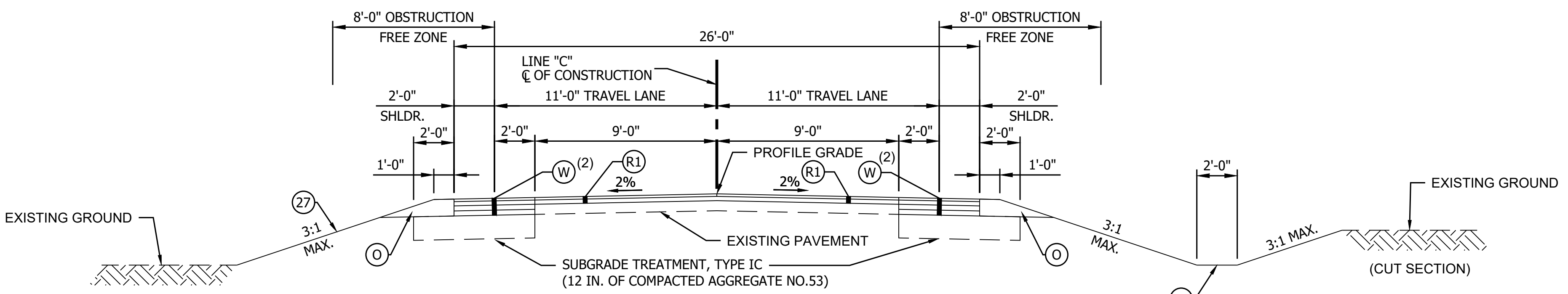
STA. 48+00.00 TO STA. 50+48.27 "C"

(1) WIDENING REQUIRED - STA. 47+35+82 TO STA. 48+00.00 "C"



**PROPOSED TANGENT SECTION**

STA. 50+48.27 TO STA. 53+29.19 "C"



**PROPOSED TANGENT SECTION**

STA. 53+29.19 TO STA. 55+77.86 "C"

STA. 97+25 TO STA. 98+30 "C"

(2) WIDENING REQUIRED - VARIES (4' MIN.) FROM STA. 97+25 TO STA. 98+30 "C"  
SEE CONSTRUCTION DETAILS

- NOTES**
- Tack coat to be placed between HMA layers.
  - Joint Adhesive to be installed at all longitudinal joints in the surface and intermediate layers.
  - Liquid asphalt sealant to be placed centered on the longitudinal joints.

**LEGEND**

- (15) Combined Concrete Curb & Gutter
- (26) Sodding, Nursery
- (27) Seed Mixture, U
- (F) Concrete Sidewalk, 4"
- (K) 165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 12.5 mm
- (275) 275 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 19.0 mm
- (880) 880 lb/SYS QC/QA HMA Pavement, 2, 64, Base 25.0 mm
- (O) Compacted Agg. No. 53
- (R) Milling, Asphalt 2.0"
- (220) 220 lb/SYS QC/QA HMA 3, 70, Surface 12.5 mm
- (220) 220 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 12.5 mm
- (W) 165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 9.5 mm
- (440) 440 lb/SYS QC/QA HMA Intermediate, Type C
- (Variable) Variable (Min. 660) lb/SYS QC/QA HMA Base, Type C
- (Match) Match Adjacent Pavement Depth

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: Y.Z.	DRAWN: Y.Z.	
CHECKED: J.R.S.	CHECKED: J.R.S.	

**INDIANA DEPARTMENT OF TRANSPORTATION**

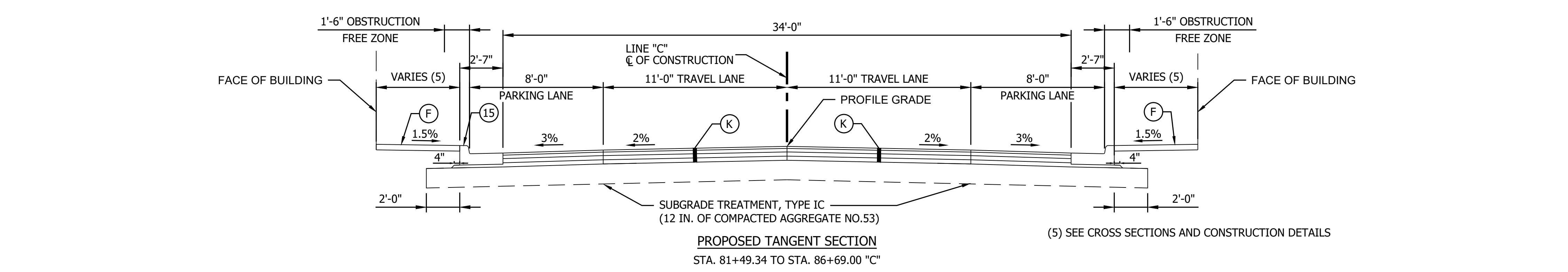
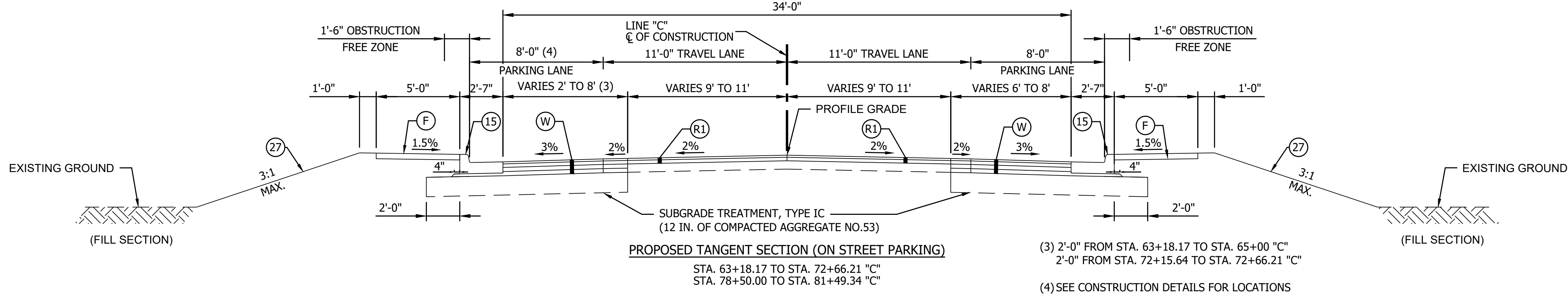
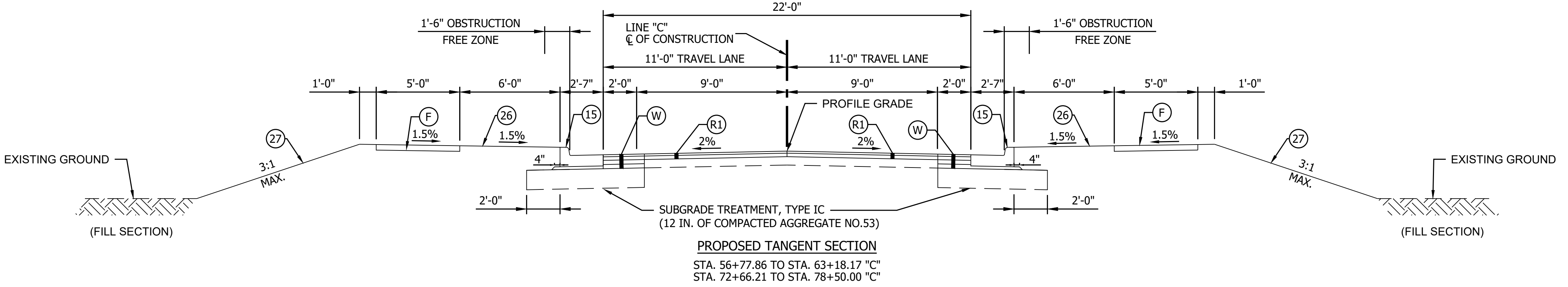
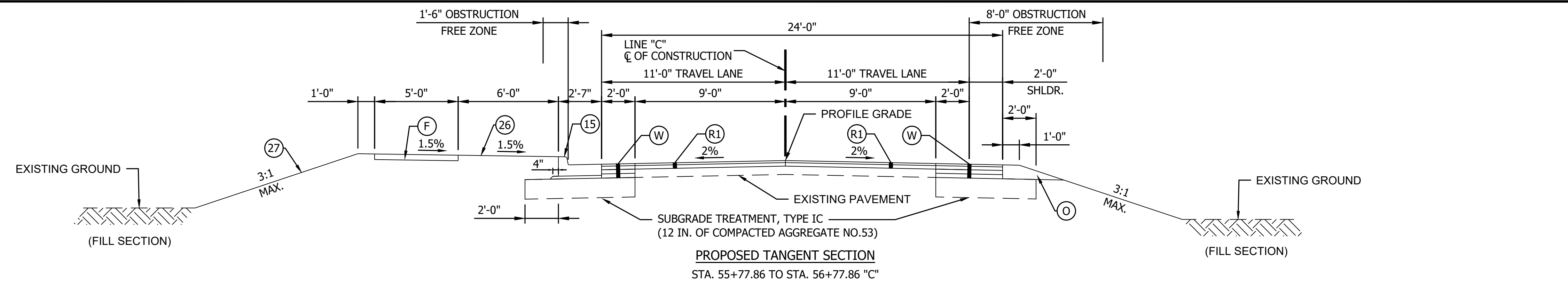
**TYPICAL CROSS SECTIONS**

**S.R. 59**

HORIZONTAL SCALE	BRIDGE FILE
1/4"=1'-0"	
VERTICAL SCALE	DESIGNATION
N/A	1593272
SURVEY BOOK	SHEET
	3 of 94
CONTRACT	PROJECT
RS-39363	1593272

PRINT DATE: 1/15/20  
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 EDITED BY: C.KRAPHAN  
 DRAWING FILE: P:\18-500-061-1 SR 59 WAVELAND\ACAD\03 TYPICAL\RD-TYPICALS-SR 59.DWG



LEGEND		
(15) Combined Concrete Curb & Gutter	(K) 165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 12.5 mm	(R1) Milling, Asphalt Removal
(26) Sodding, Nursery	275 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 19.0 mm	220 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 12.5 mm
(27) Seed Mixture, U	880 lb/SYS QC/QA HMA Pavement, 2, 64, Base 25.0 mm	220 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 12.5 mm
(F) Concrete Sidewalk, 4"	(O) Compacted Agg. No. 53	(W) 165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 9.5 mm
	(R) Milling, Asphalt 2.0"	440 lb/SYS QC/QA HMA Intermediate, Type C
		Variable (Min. 660) lb/SYS QC/QA HMA Base, Type C
		Match Adjacent Pavement Depth

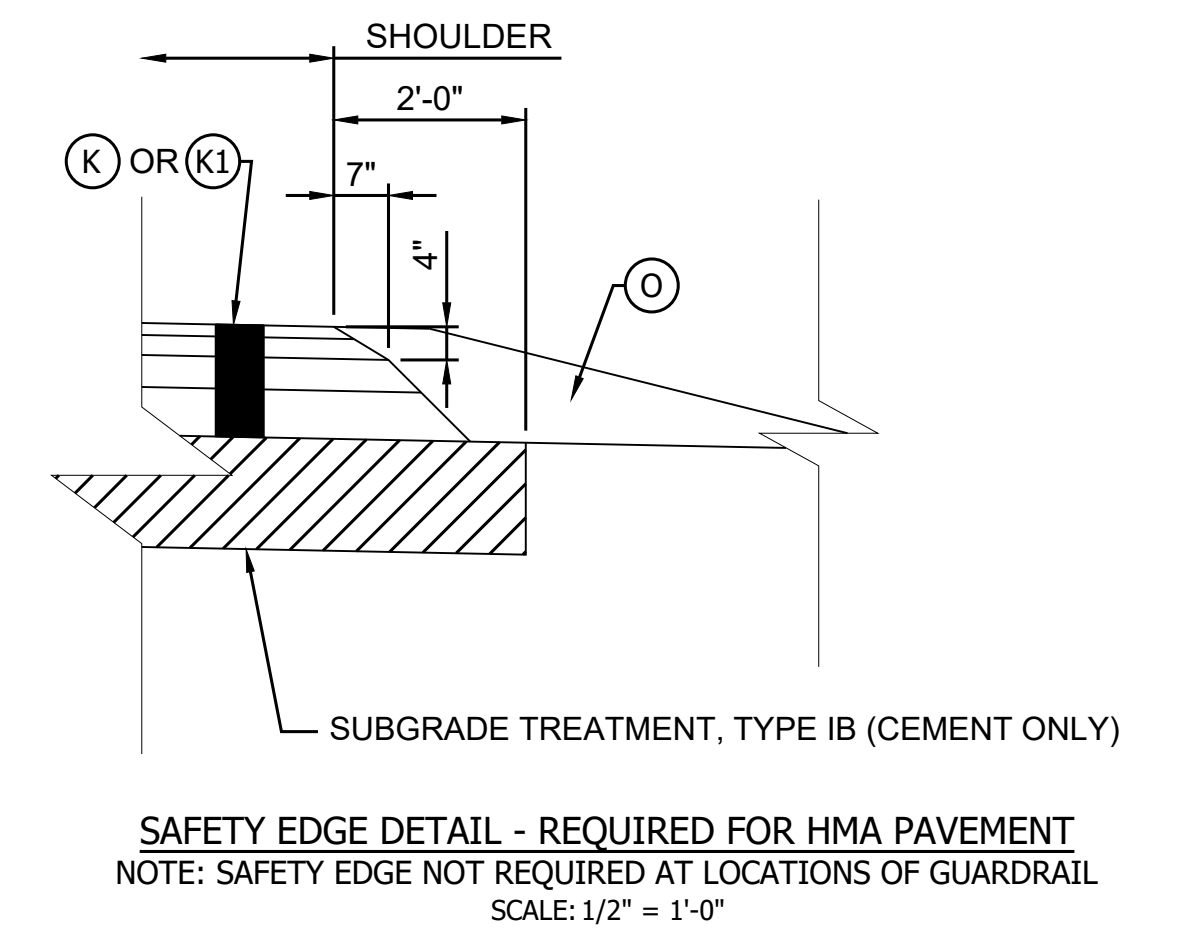
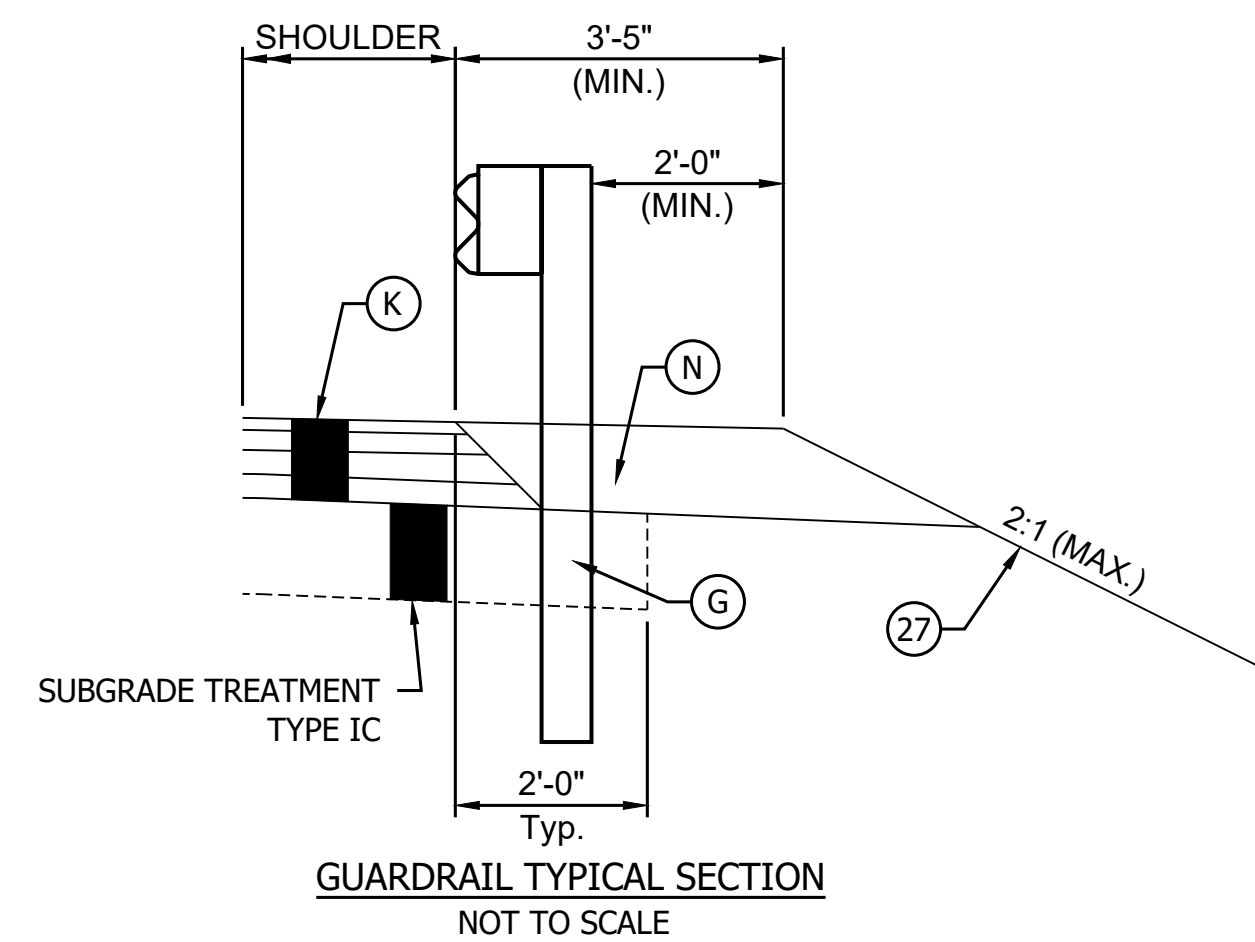
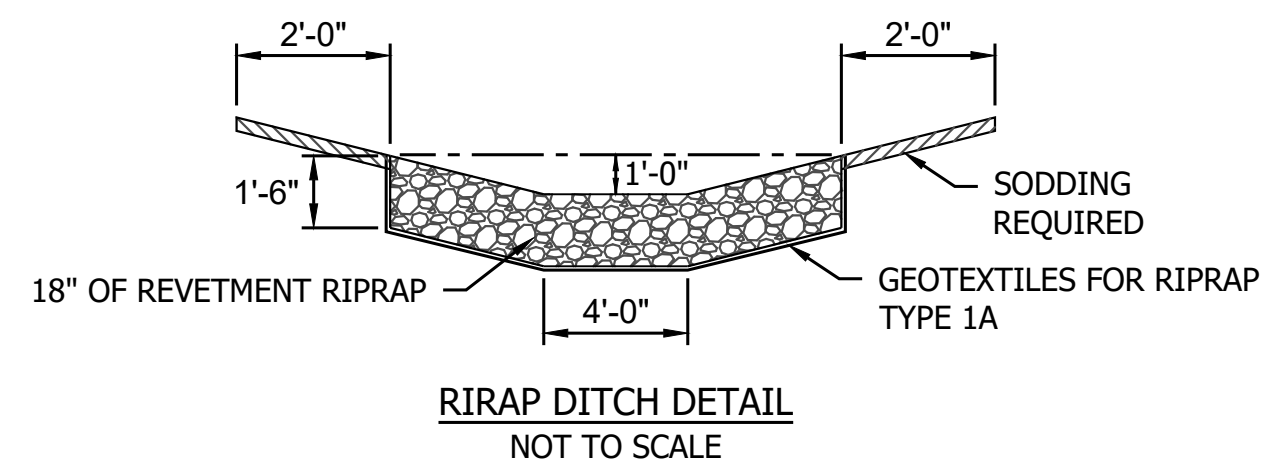
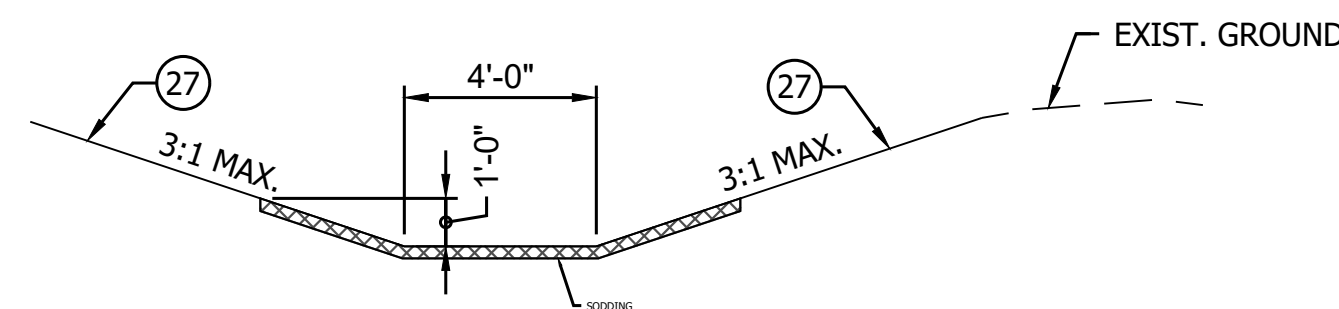
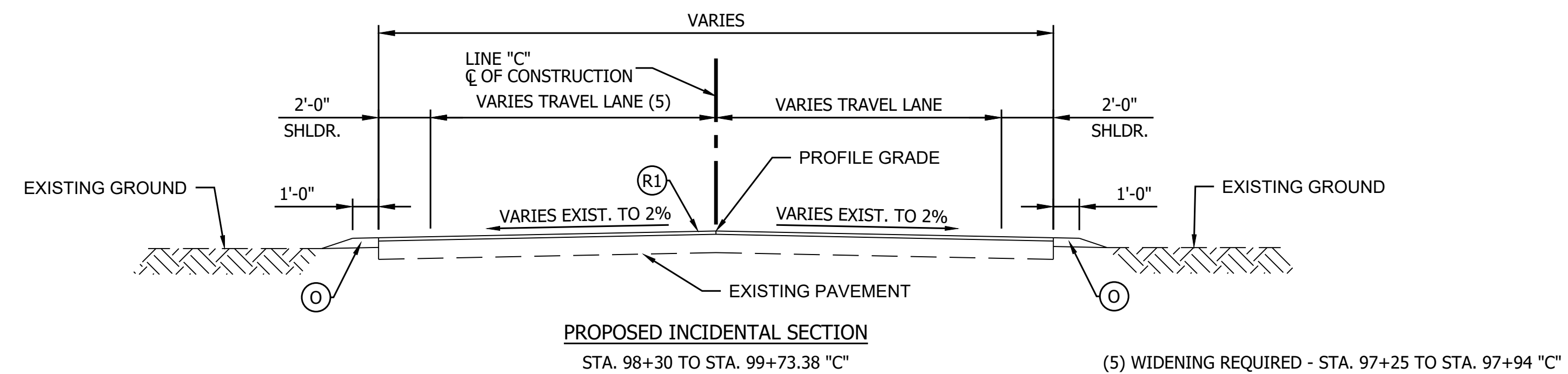
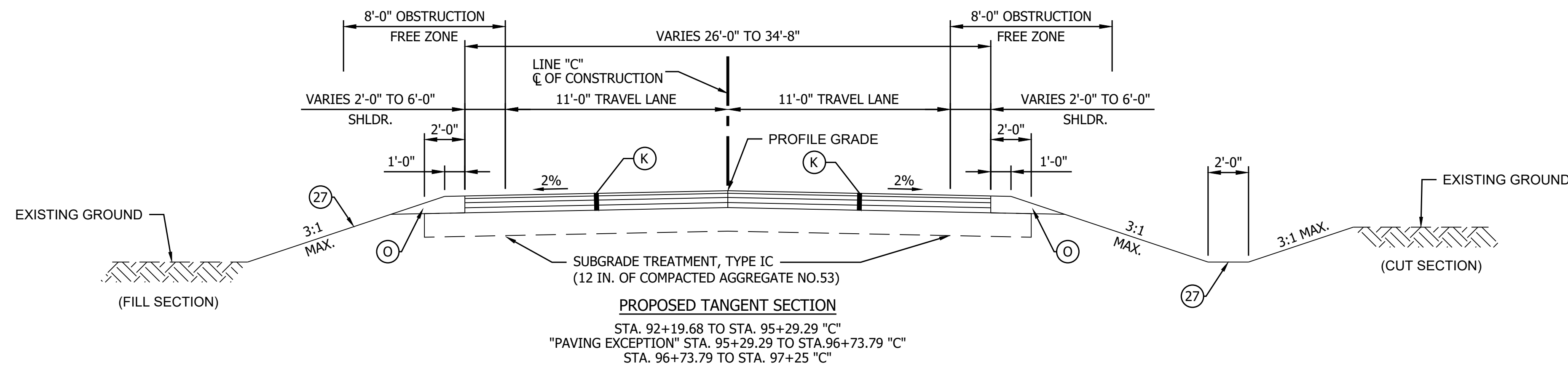
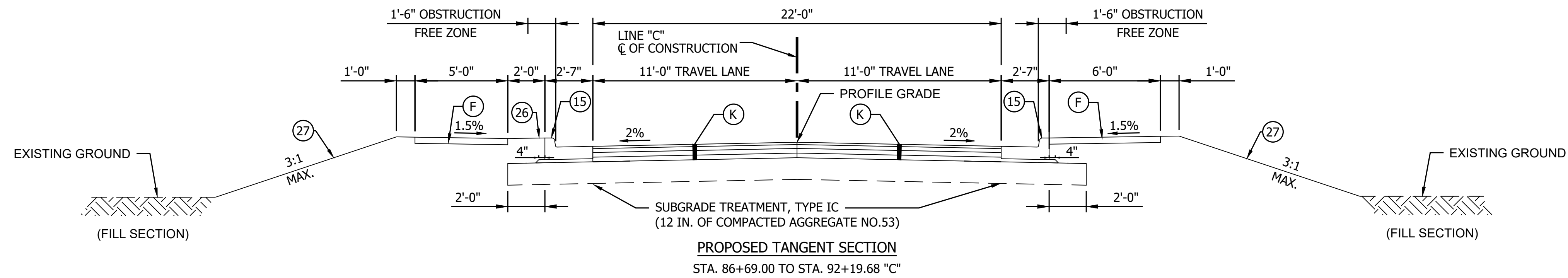
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: Y.Z.	DRAWN: Y.Z.	
CHECKED: J.R.S.	CHECKED: J.R.S.	

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**TYPICAL CROSS SECTIONS**  
**S.R. 59**

HORIZONTAL SCALE	BRIDGE FILE
1/4"=1'-0"	
VERTICAL SCALE	DESIGNATION
N/A	1593272
SURVEY BOOK	SHEET
	4 of 94
CONTRACT	PROJECT
RS-39363	1593272



PRINT DATE: 1/15/20  
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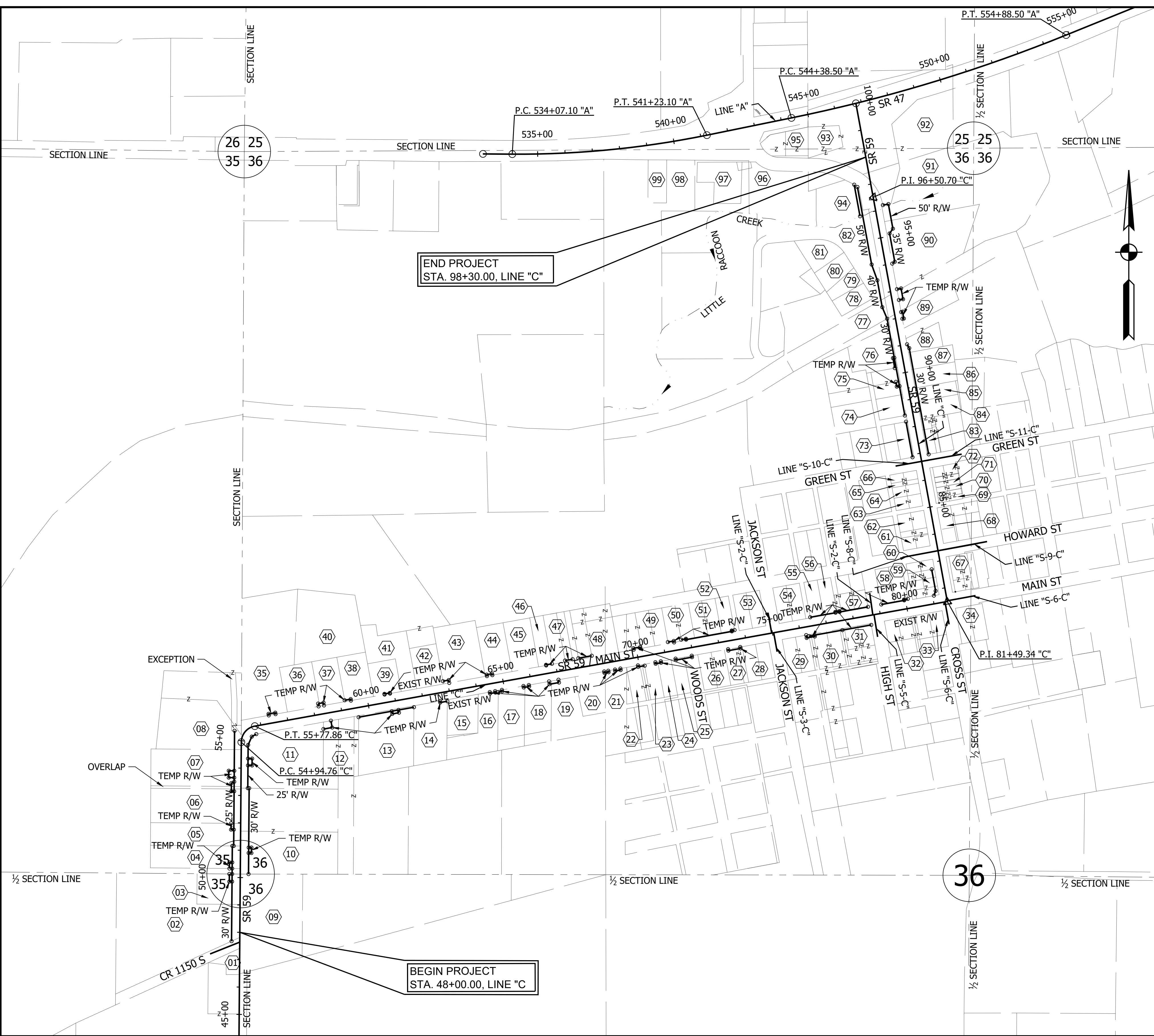
LEGEND		
(15) Combined Concrete Curb & Gutter	(K) 165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 12.5 mm	(R1) Milling, Asphalt Removal
(26) Sodding, Nursery	275 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 19.0 mm	220 lb/SYS QC/QA HMA 3, 70, Surface 12.5 mm
(27) Seed Mixture, U	880 lb/SYS QC/QA HMA Pavement, 2, 64, Base 25.0 mm	220 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 12.5 mm
(F) Concrete Sidewalk, 4"	(O) Compacted Agg. No. 53	(W) 165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 9.5 mm
	(R) Milling, Asphalt 2.0"	440 lb/SYS QC/QA HMA Intermediate, Type C
	220 lb/SYS QC/QA HMA 3, 70, Surface 12.5 mm	Variable (Min. 660) lb/SYS QC/QA HMA Base, Type C
		Match Adjacent Pavement Depth

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: Y.Z.	DRAWN: Y.Z.	
CHECKED: J.R.S.	CHECKED: J.R.S.	

INDIANA  
 DEPARTMENT OF TRANSPORTATION  
 TYPICAL CROSS SECTIONS  
 S.R. 59

HORIZONTAL SCALE	BRIDGE FILE
1/4"=1'-0"	
VERTICAL SCALE	DESIGNATION
N/A	1593272
SURVEY BOOK	SHEET
	5 of 94
CONTRACT	PROJECT
RS-39363	1593272

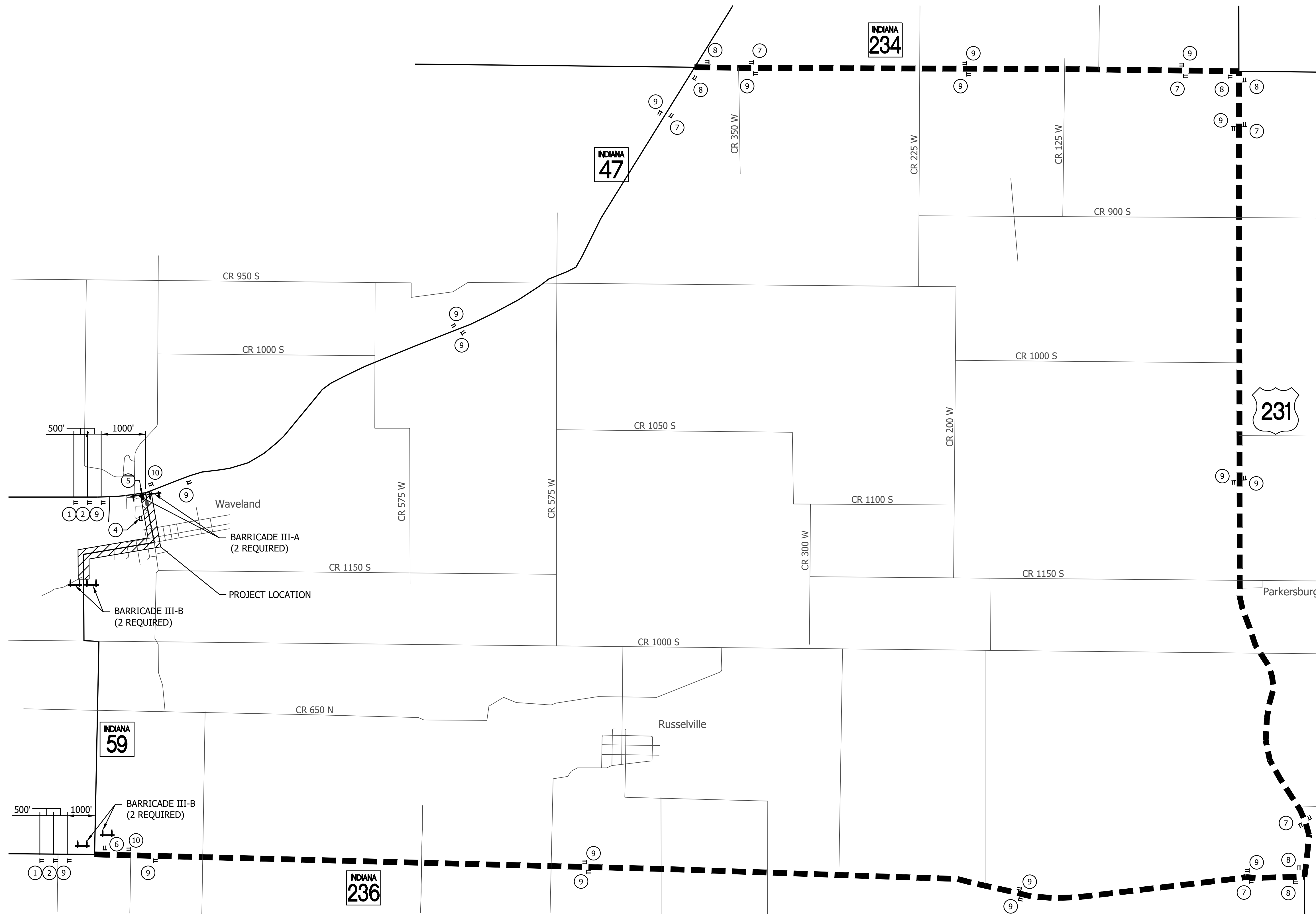
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INDEX NO.	OWNER	INDEX NO.	OWNER
01	LITTLE RACCOON REGIONAL WASTE DISTRICT	45	SHERRI L. TROYER
02	STEPHEN D. & CHARLOTTE J. THOMAS	46	ZACHARY T. RICE & ADRIANA REWERTS
03	STEPHEN D. & CHARLOTTE J. THOMAS	47	MICHAEL L. & MICAH L. CHURCH
04	CLYDIA MAE KENNEDY (50%) MELISSA J. KELLER (25%) CHARLES B. DAVIS (25%)	48	LARRY D. SERVIES REVOCABLE LIVING TRUST
05	BRADLEY & SHERRY TROYER	49	JAMES D. & JAMIE A. PAUL
06	JOHN A. HOLT	50	MILDRED E. HANNAH & CECIL STEWART
07	STEPHANIE R. CLINE	51	CONNIE & ROGER IRELAN
08	RICHARD & PENNY K. PETRY	52	JAMISON L. CLARK
09	CARL & ROBIN J. NORMAN	53	RICHARD A. & DEANNA S. YOUNG
10	CARL W. & ELIZABETH JANE STEINER	54	WAVELAND CHRISTIAN CHURCH
11	LENORA JEAN SWANK (LIFE ESTATE) & VICTORIA LENORA SITTES	55	DERREK W. McCLURE
12	DONALD B. HAYES & NEIL C. HAYES	56	WAVELAND OUTDOOR POWER, LLC
13	BRETT KING	57	HEATHER I. NOWAK
14	ARTHUR R. & CAROL A. FRANCE	58	KEITH W. SIMS
15	DAVID A. & BARBARA R. HARGIS	59	SHANE JONES
16	JENNIFER L. WARREN	60	CAMILLO GONZALEZ
17	AMADO OCAMPO RAMOS	61	SISTER'S FLOWERS & GIFTS
18	INOCENCIO GONZALEZ	62	NORTH SALEM STATE BANK
19	RITA A. HARTMAN	63	NORTH SALEM STATE BANK
20	EPLINIO TREVINO DIAS	64	ALLEN E. & MIA D. RITCHINGS
21	MARY E. LIPPMAN	65	RACHEL MARIE SMITH
22	SHERRI L. TROYER	66	RUSSELL R. NELSON, JR. & ELLISHA DIAZ
23	JUDITH PORTER	67	CARL W. MORGAN & NORTH SALEM STATE BANK, TRUSTEE OF THE LARRY D. SERVIES REVOCABLE LIVING TRUST
24	BEVERLY CHAPLAIN & RITA HARTMAN	68	CAMILLO GONZALEZ
25	RALPH J. & BRENDA JONES	69	JEREMY POTTER
26	BRADLEY TROYER	70	CHARLOTTE K. NEW
27	SHANE J. JONES	71	THOMAS & ROXIE ANTCAK CONTRACT OF SALE TO CAMILLO GONZALEZ
28	CRYSTAL K. YORK	72	STEVEN W. & STACEY L. PADDOCK
29	HAROLD E., SR. & WYNONA W. STARNES	73	BROWN TOWNSHIP IMPROVEMENT COMMITTEE, WAVELAND VETERAN & WAR MEMORIAL PROJECT
30	HAROLD E., SR. & WYNONA W. STARNES	74	VICTOR PEVLAR & NATALIE DRAKE
31	FOERSTER, TIMOTHY D. & KATHLEEN	75	IVAN LEROY, JR. & MARY C. BROWN
32	MARTIN & SHANNON WITTE	76	IVAN L. & MARY C. BROWN
33	RICHARD L. & MARY E. LIPPMAN	77	DAVID E. & RITA D. FULLENWIDER
34	DAWN M. CORWIN	78	SHAWN MICHAEL & MERCEDES BLANTON
35	JESSE L. & FATIMA A. COLLINS	79	LEROY & RITA K. BLANTON
36	MELISSA D. BROWN	80	FRED R. CALVERT
37	BRENDA L. ALLEN	81	KEVIN R. THOMPSON
38	BRETT K. & CHRISTINA L. PRITCHETT	82	EDWIN E. CUNNINGHAM
39	RHONDA J. OWENS	83	TOWN OF WAVELAND
40	BRETT K. & CHRISTINA L. PRITCHETT	84	SHERRI K. FARFAN
41	BRETT K. & CHRISTINA L. PRITCHETT	85	LISA M. CAUDILL
42	RUTH R. JOHNSON	86	RONALD D. & HOLLY A. ORAM
43	GORDON M. ARTS	87	BRENDA JONES
44	CAROL A. BRUNETTE	88	BRENDA JONES CONTRACT OF SALE TO TYLER & CHRISTY ROARK
		89	HSD OF CENTRAL INDIANA LLC
		90	RAMSAY FARMS
		91	EDWIN E. CUNNINGHAM
		92	DAVID & DEANNA PHILPOT
		93	STATE OF INDIANA
		94	CHARLSE SCOTT DANIELS
		95	HIGH POINT OIL CO.
		96	MICHAEL B. DICKSON
		97	J R PELYCAN PROPERTY LLC
		98	MARK & APRIL (H/W) WHITECOTTON
		99	MARK E WHITECOTTON

<p>RECOMMENDED FOR APPROVAL _____</p> <p style="text-align: center;">DESIGN ENGINEER      DATE</p> <hr/> <p>DESIGNED: <u>YZ</u>      DRAWN: <u>MRM</u></p> <hr/> <p>CHECKED: <u>JRS</u>      CHECKED: <u>JRS</u></p>	<p><b>INDIANA</b></p> <p><b>DEPARTMENT OF TRANSPORTATION</b></p>  <p><b>PLAT NO. 1</b></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">HORIZONTAL SCALE</td> <td style="width: 50%;">BRIDGE FILE</td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td></td> <td style="text-align: center;">1593272</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td style="text-align: center;">6 of 94</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>RS-39363</td> <td>1593272</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	VERTICAL SCALE	DESIGNATION		1593272	SURVEY BOOK	SHEET		6 of 94	CONTRACT	PROJECT	RS-39363	1593272
HORIZONTAL SCALE	BRIDGE FILE															
VERTICAL SCALE	DESIGNATION															
	1593272															
SURVEY BOOK	SHEET															
	6 of 94															
CONTRACT	PROJECT															
RS-39363	1593272															

PRINT DATE: 1/15/20  
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 EDIT DATE: 7/12/11 8:40 AM  
 EDITED BY: MMURRAY  
 DRAWING FILE: P:\18-500-061-1 SR 59 WAVELAND\ACAD\05 NOT\DETOUR2.DWG



**LEGEND:**

 1 XW20-3 (48"x48")	 2 XW20-2 (48"x48")	
 4 R11-2 (48"x30")	 5 R11-3 AND (60"x30") XM4-10 (L) (48"x18")	 6 R11-3 AND (60"x30") XM4-10 (R) (48"x18")
 7 XM4-8 (24"x12") M1-4 or M1-6 M5-1 (R) or (L) (21"x15")	 8 XM4-8 (24"x12") M1-4 or M1-6 M6-1 (L) or (R) (21"x15")	 9 XM4-8 (24"x12") M1-4 or M1-6 M6-3 (21"x15")
 10 XM4-6S (24"x12") XM4-8 (24"x12") M1-4 or M1-6 M6-3 (21"x15")		

<b>SEPARATE PAY ITEMS</b>	
MAINTAINING TRAFFIC	1 LSUM
CONSTRUCTION SIGN, TYPE A	5 EACH
ROAD CLOSURE SIGN ASSEMBLY	2 EACH
DETOUR ROUTE MARKER ASSEMBLY	35 EACH
STANDARD BARRICADE TYPE III-A	48 LFT.
STANDARD BARRICADE, TYPE III-B	24 LFT.

**LEGEND**

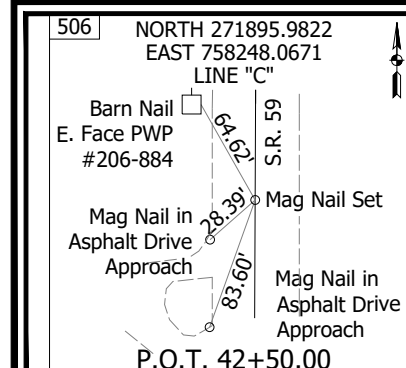
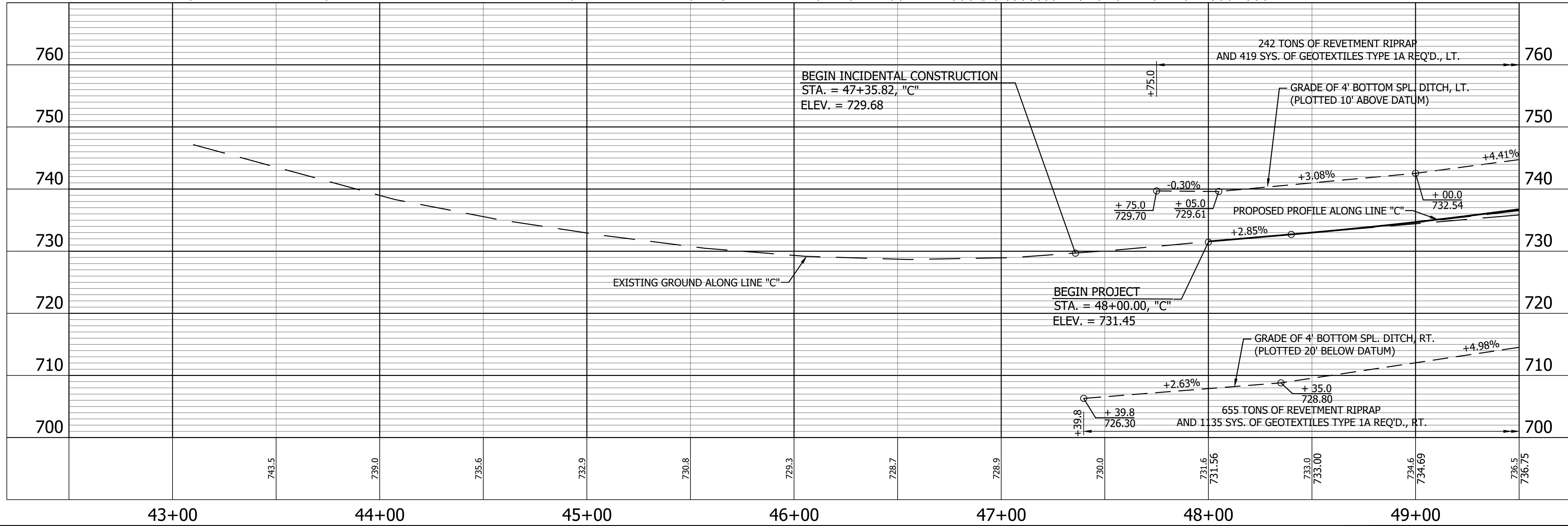
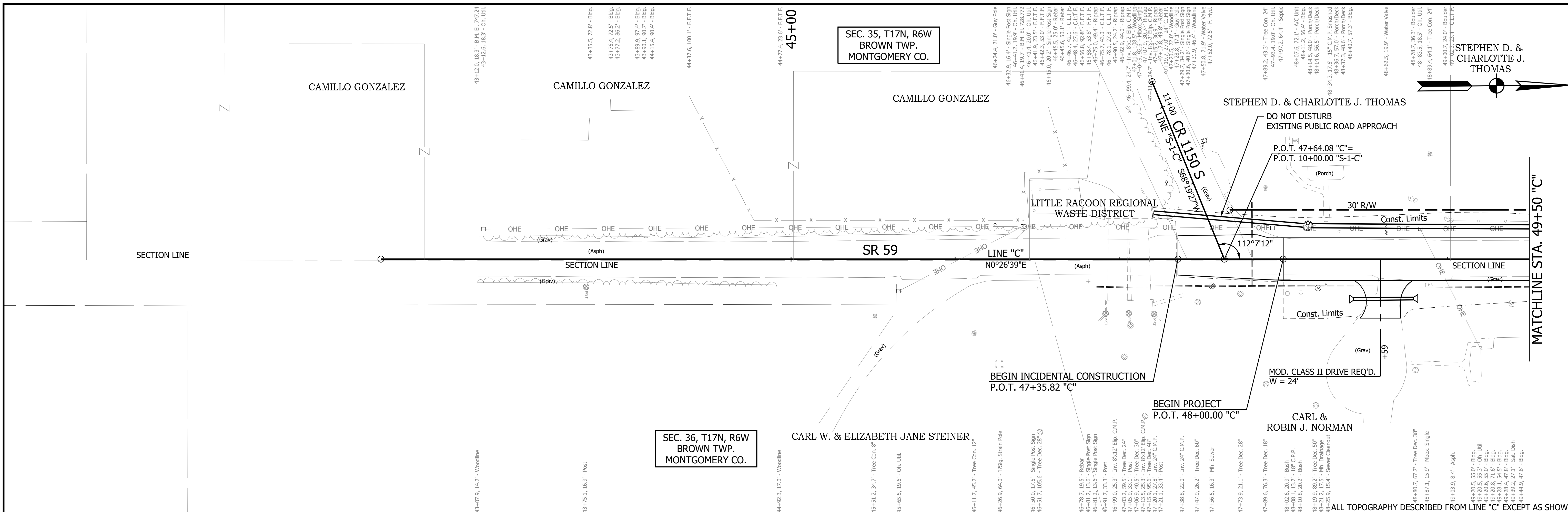
Construction Sign w/ Type "A" Light  
 Barricade Type III (12 LFT)

**FOR INFORMATION ONLY**

**TRAFFIC MAINTENANCE DETOUR**  
 Scale: 1" = 2000'

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE _____ BRIDGE FILE _____ VERTICAL SCALE _____ DESIGNATION _____ 1593272
DESIGNED: <u>YZ</u> DRAWN: <u>MM</u> CHECKED: <u>JS</u> CHECKED: <u>JS</u>	<b>DETOUR ROUTE</b>	SURVEY BOOK _____ SHEET _____ 7 of 94 CONTRACT _____ PROJECT _____ RS-39363 1593272

PRINT DATE: 1/15/20  
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506	NORTH 271895.9822 EAST 736248.0671
Barn Nail E. Face PWP #206-884	LINE "C" S.R. 59
Mag Nail in Asphalt Drive Approach	Mag Nail Set
Mag Nail in Asphalt Drive Approach	Mag Nail Set
P.O.T. 42+50.00	

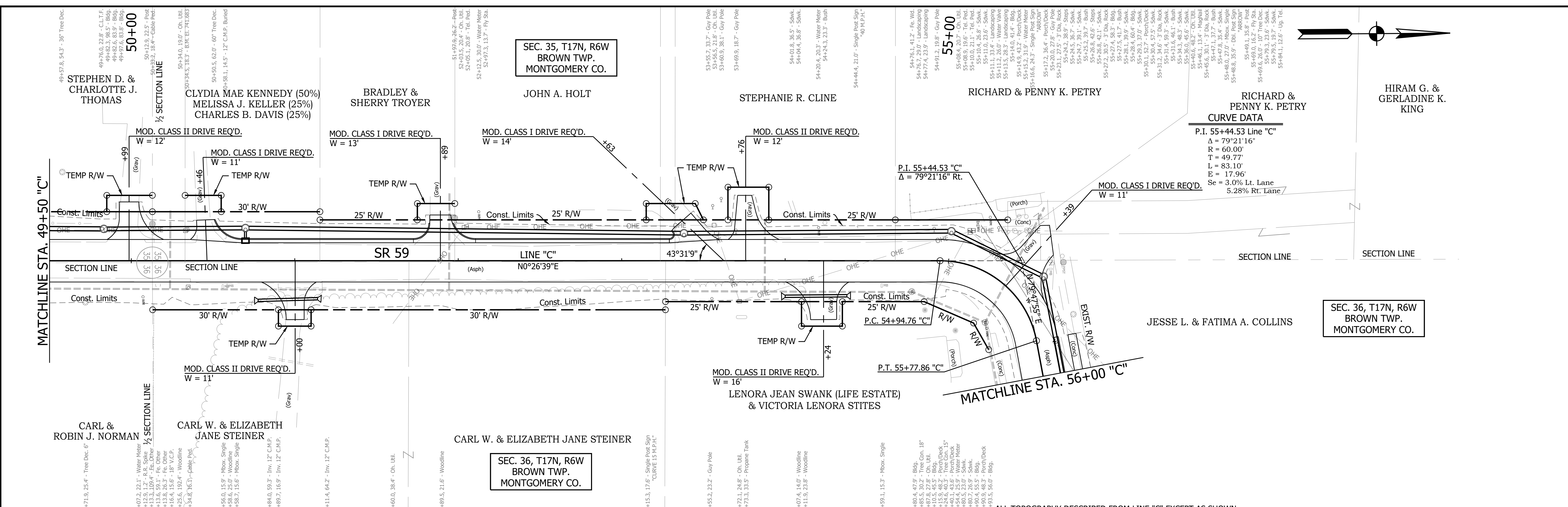
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: YZ	DRAWN: MRM	
CHECKED: JRS	CHECKED: JRS	

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**PLAN AND PROFILE**  
**STA. 42+50.00 TO 49+50.00 LINE "C"**

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	
VERTICAL SCALE	DESIGNATION
1"=10'	1593272
SURVEY BOOK	SHEET
	8 of 94
CONTRACT	PROJECT
RS-39363	1593272



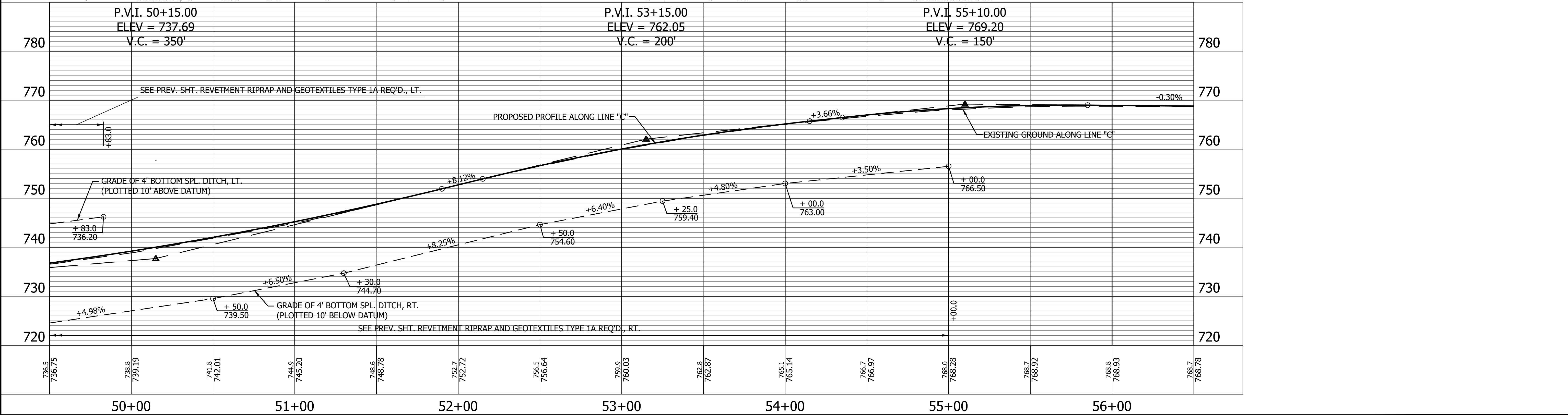
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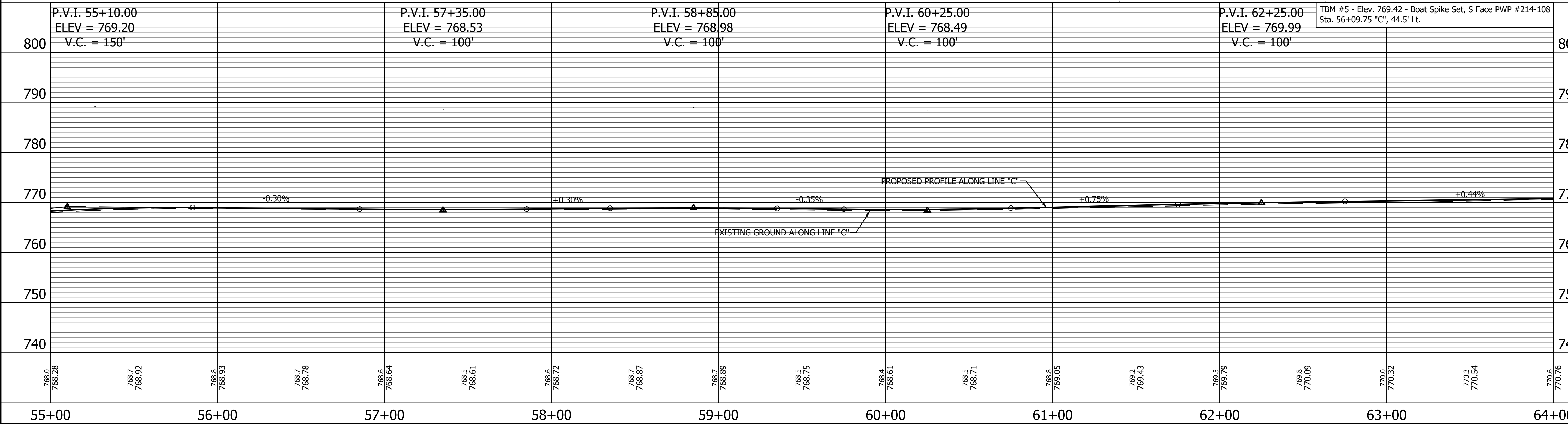
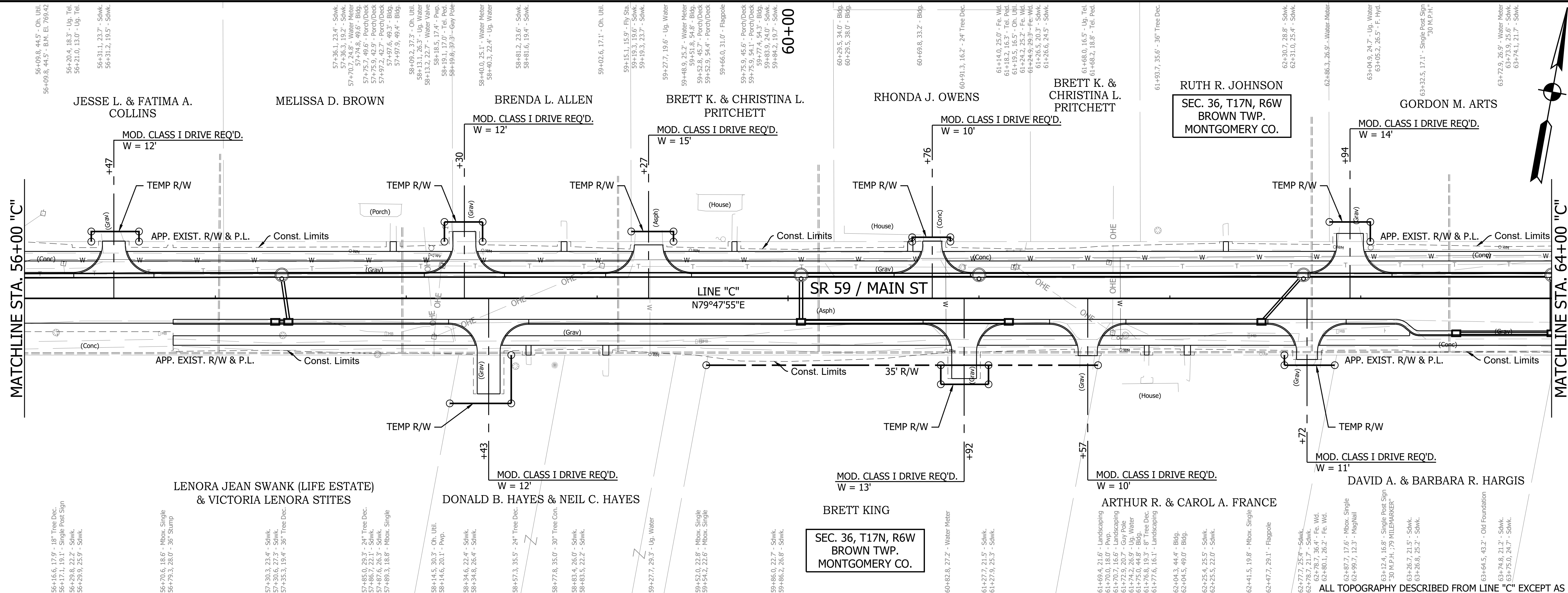
**RICHARD & PENNY K. PETRY CURVE DATA**

P.I. 55+44.53 Line "C"  
 $\Delta = 79^\circ 21' 16''$   
 $R = 60.00'$   
 $T = 49.77'$   
 $L = 83.10'$   
 $E = 17.96'$   
 $Se = 3.0\%$  Lt. Lane  
 $5.28\%$  Rt. Lane

SEC. 36, T17N, R6W  
 BROWN TWP.  
 MONTGOMERY CO.



PRINT DATE: 1/15/20 PLOT SCALE: 1:1 EDIT DATE: 1/14/20 - 4:49 PM EDITED BY: MMURRAY DRAWING FILE: P:\18-500-061-1 SR 59 WAVELAND\ACAD\06 PLAN\PROF\PLAN AND PROFILES - SR59 WAVELAND 30 SCALE.DWG



ALL TOPOGRAPHY DESCRIBED FROM LINE "C" EXCEPT AS SHOWN.  
 TBM #5 - Elev. 769.42 - Boat Spike Set, S Face PWP #214-108  
 Sta. 56+09.75 "C", 44.5' Lt.

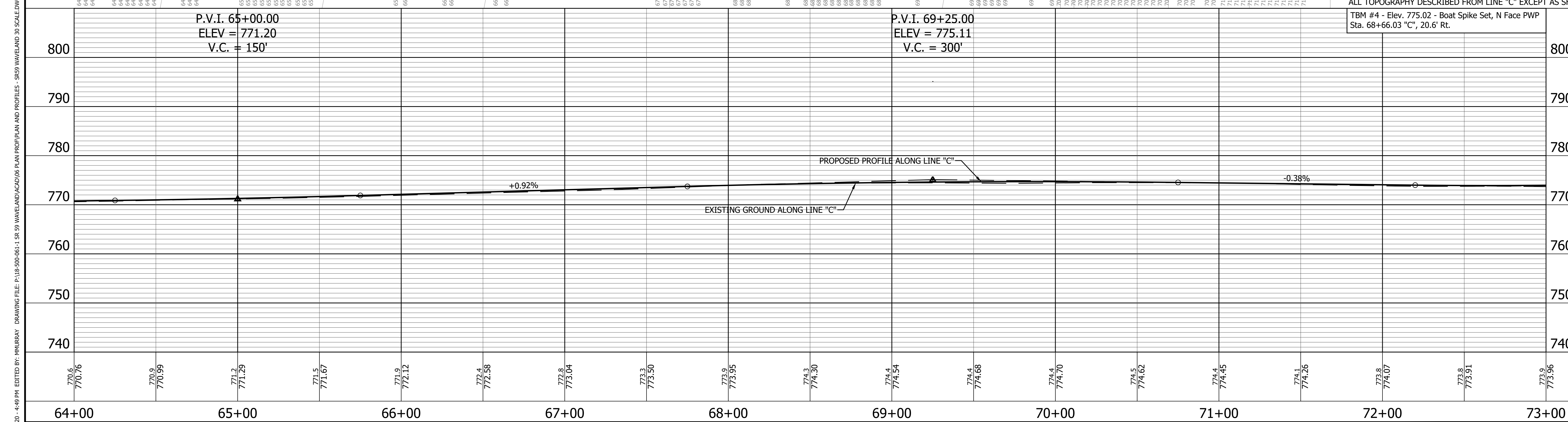
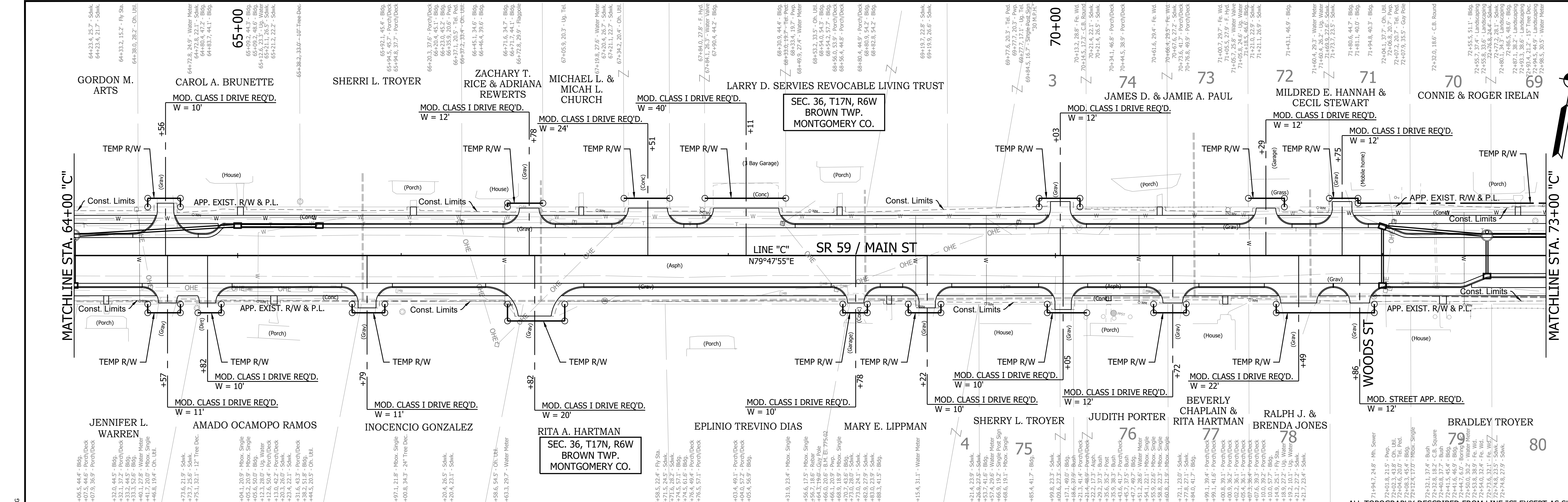
511 NORTH 27309-4748  
 EAST 739919-3941  
 LINE "C"  
 Center of Top Nut  
 Face PWP  
 #233-642  
 82.46  
 108.74  
 S.R. 59  
 Boat Spike N.  
 Face PWP  
 #203-707  
 P.O.T. 62+00.00

55+00	56+00	57+00	58+00	59+00	60+00	61+00	62+00	63+00	64+00
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: YZ	DRAWN: MRM	
CHECKED: JRS	CHECKED: JRS	

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**PLAN AND PROFILE**  
**STA. 55+00.00 TO 64+00.00 LINE "C"**

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	
VERTICAL SCALE	DESIGNATION
1"=10'	1593272
SURVEY BOOK	SHEET
	10 of 94
CONTRACT	PROJECT
RS-39363	1593272



512 NORTH 273415.7399  
EAST 739509.9089  
LINE "C"

Mag Nail W.  
Face PWP  
#215-667

69.14' SR 59  
69.20'

Boat Spike N.  
Face PWP

P.O.T. 68+00.00

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: YZ	DRAWN: MRM	
CHECKED: JRS	CHECKED: JRS	

**INDIANA DEPARTMENT OF TRANSPORTATION**

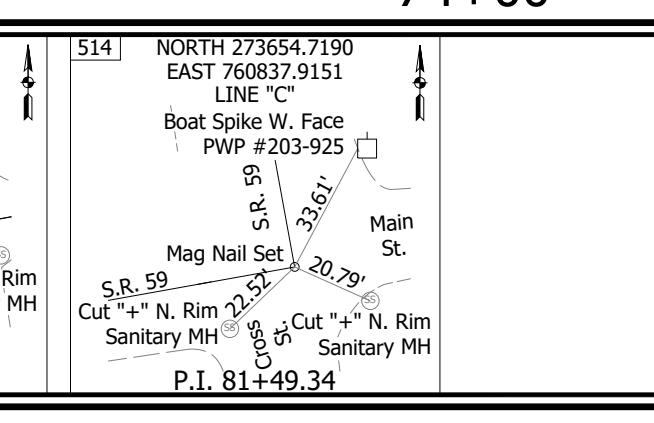
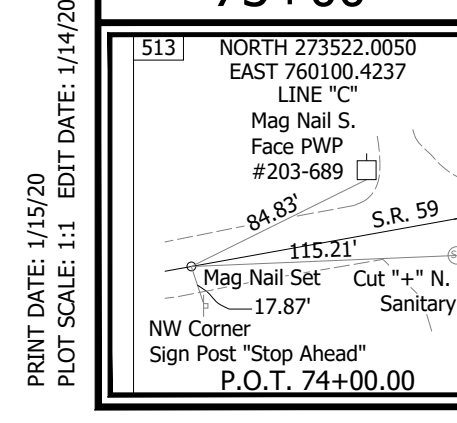
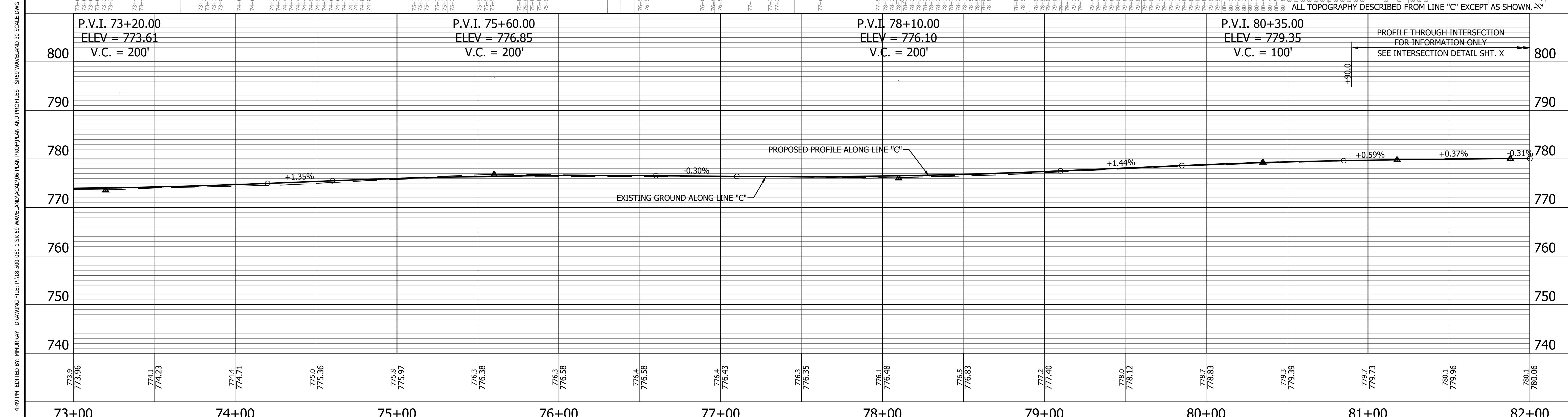
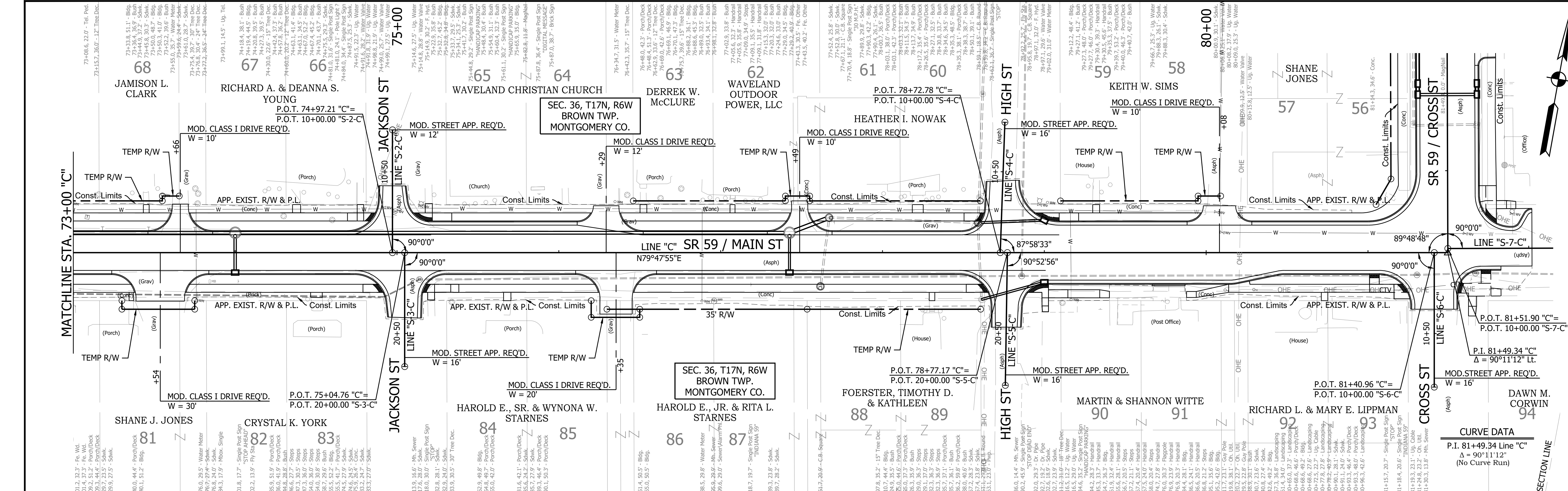
**PLAN AND PROFILE**

**STA. 64+00.00 TO 73+00.00 LINE "C"**

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	
VERTICAL SCALE	DESIGNATION
1"=10'	1593272
SURVEY BOOK	SHEET
	11 of 94
CONTRACT	PROJECT
RS-39363	1593272

PRINT DATE: 1/15/20  
 PLOT SCALE: 1:1  
 EDIT DATE: 1/14/20 - 4:49 PM  
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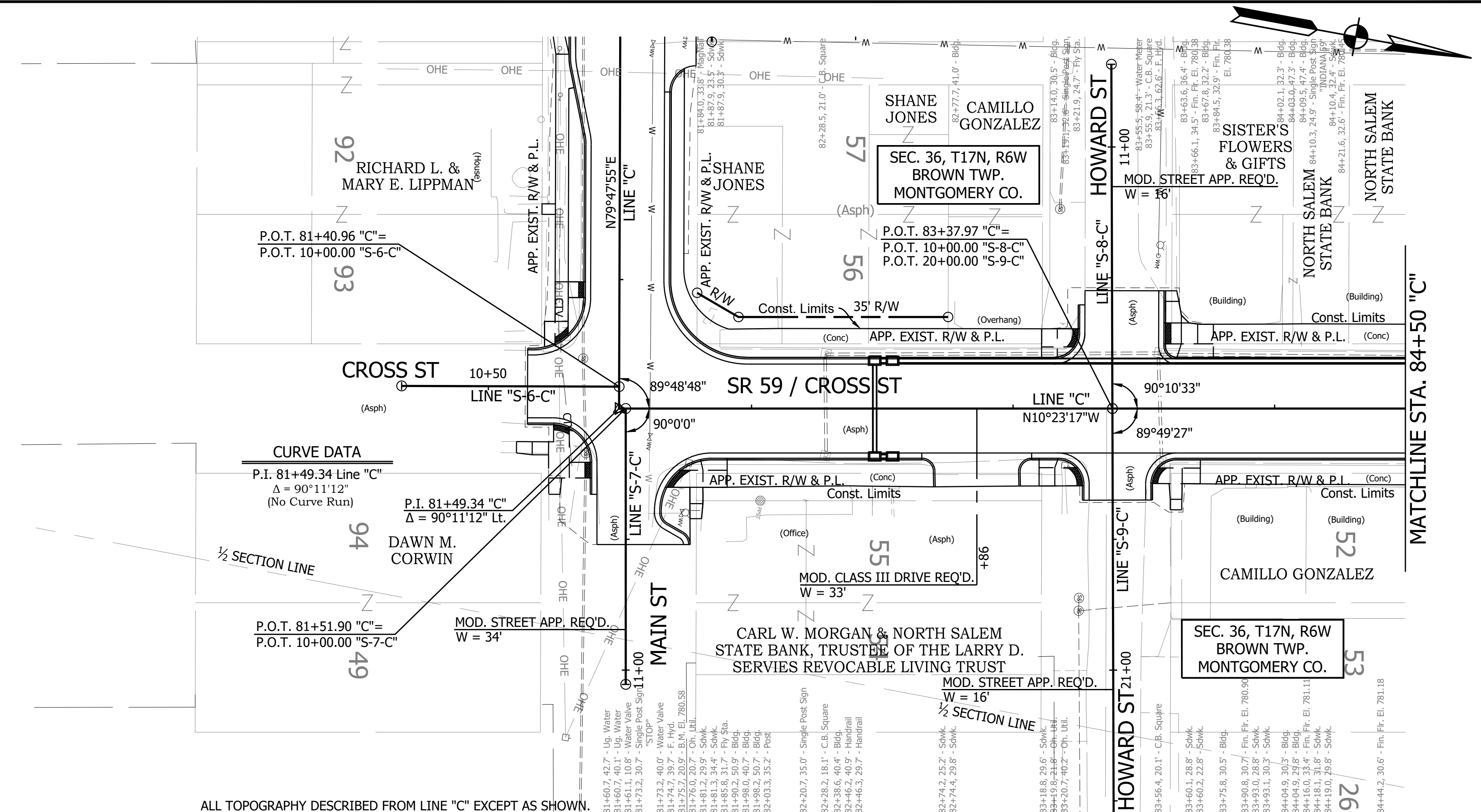




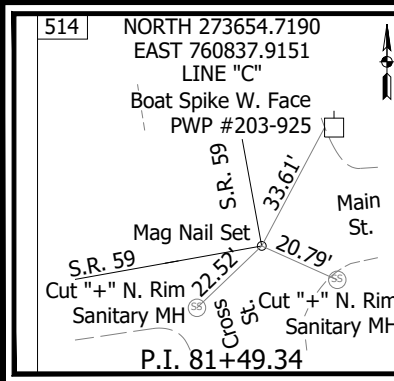
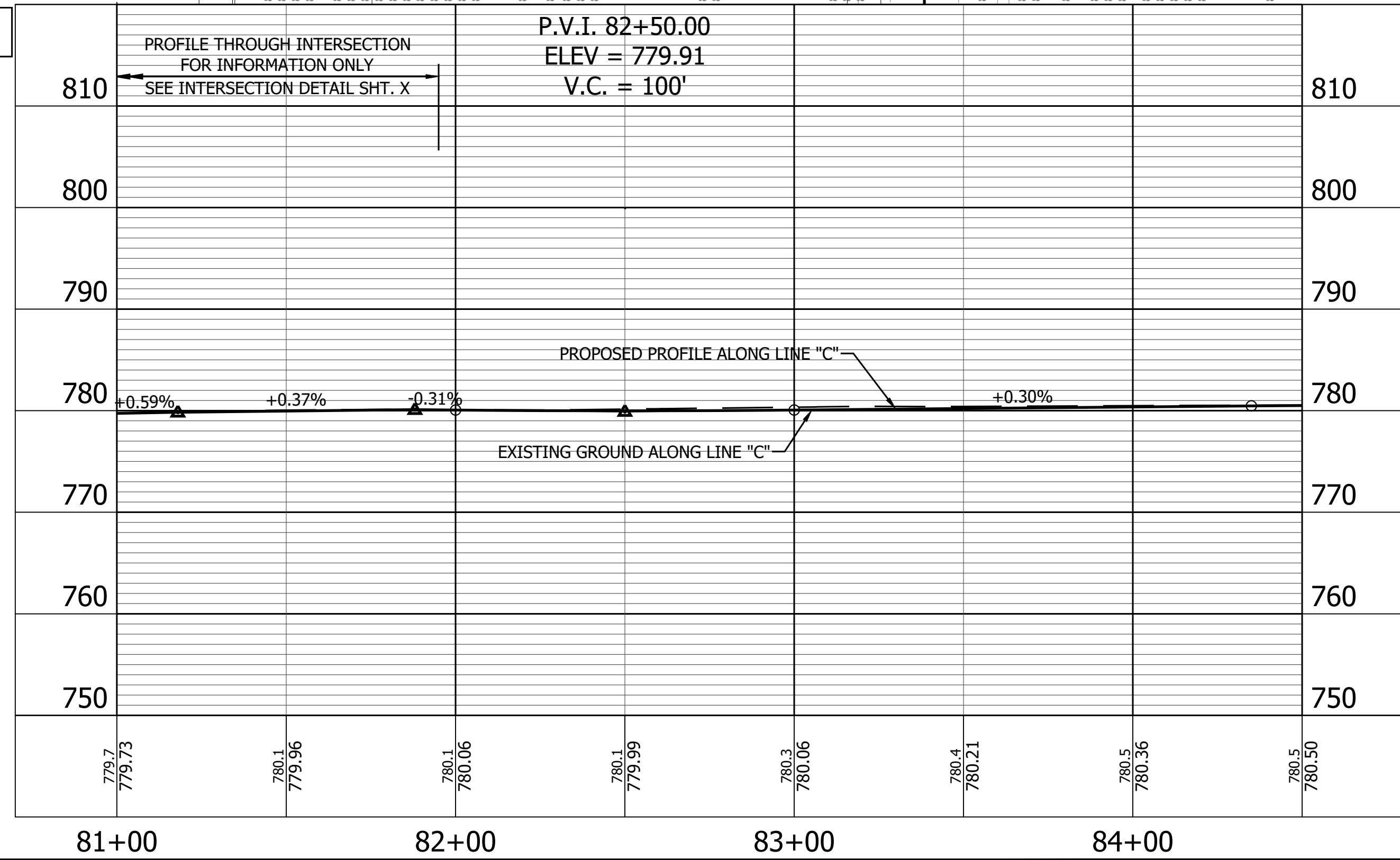
RECOMMENDED FOR APPROVAL DESIGN ENGINEER: _____ DATE: _____ DESIGNED: YZ DRAWN: MRM CHECKED: JRS CHECKED: JRS		<b>INDIANA DEPARTMENT OF TRANSPORTATION</b> <b>PLAN AND PROFILE</b> <b>STA. 73+00.00 TO 82+00.00 LINE "C"</b>		HORIZONTAL SCALE: 1"=30' VERTICAL SCALE: 1"=10' SURVEY BOOK: _____ CONTRACT: RS-39363		BRIDGE FILE: _____ DESIGNATION: 1593272 SHEET: 12 of 94 PROJECT: 1593272	
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PRINT DATE: 1/15/20 PLOT SCALE: 1:1 EDIT DATE: 1/14/20 4:49 PM EDITED BY: MMURRAY DRAWING FILE: P:\18-500-061-1 SR 59 WAVELAND\ACAD\06 PLAN\PROF\PLAN AND PROFILES - SR59 WAVELAND 30 SCALE.DWG



ALL TOPOGRAPHY DESCRIBED FROM LINE "C" EXCEPT AS SHOWN.  
 TBM #3 - Elev. 780.58 - Boat Spike Set, W Face PWP #203-925  
 Sta. 81+75.67 "C", 20.9' Rt.

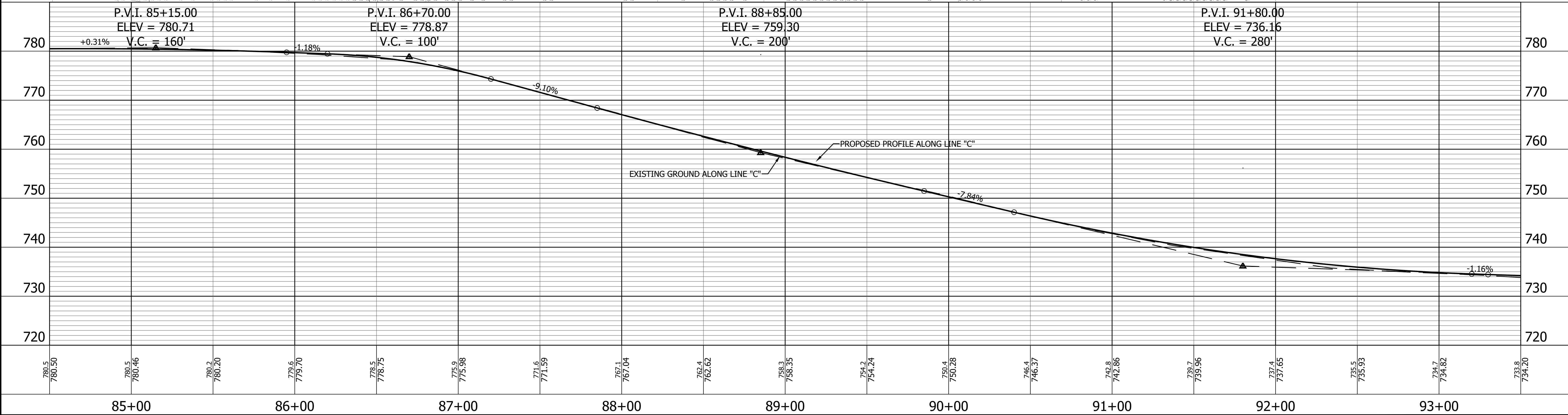
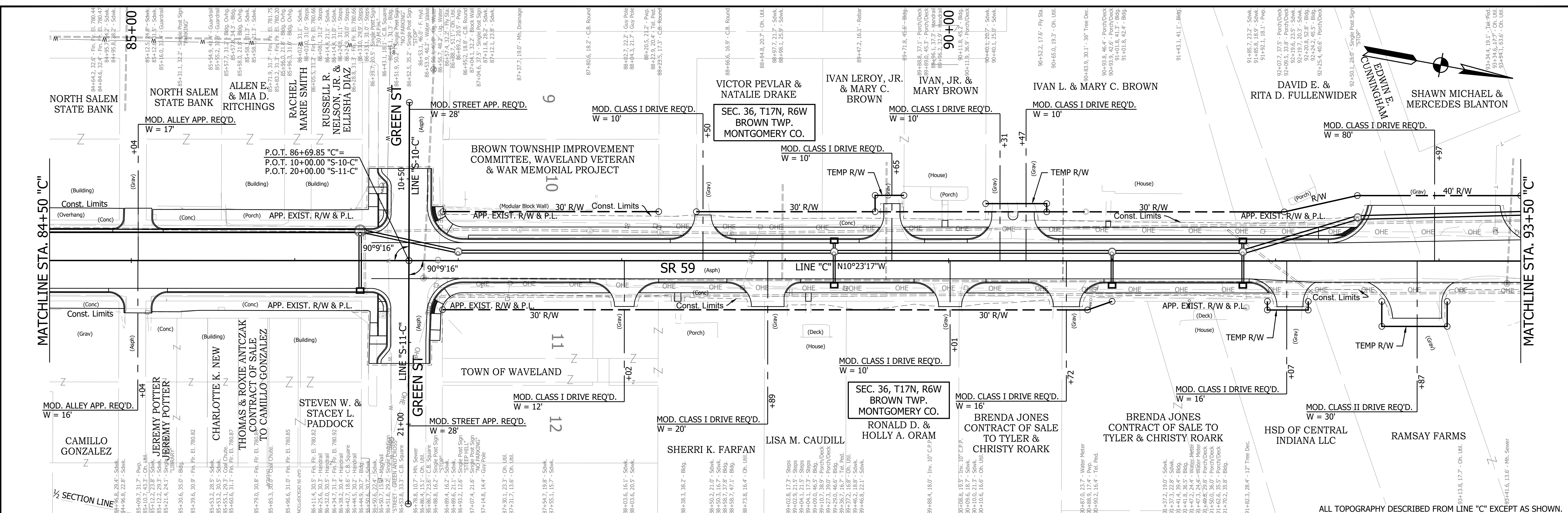


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: YZ	DRAWN: MRM	
CHECKED: JRS	CHECKED: JRS	

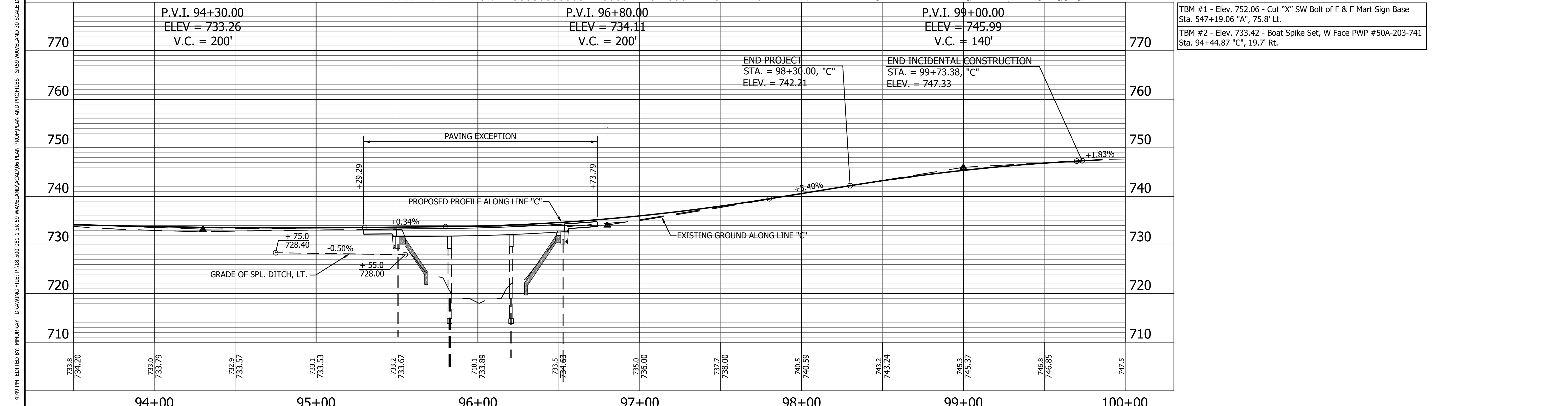
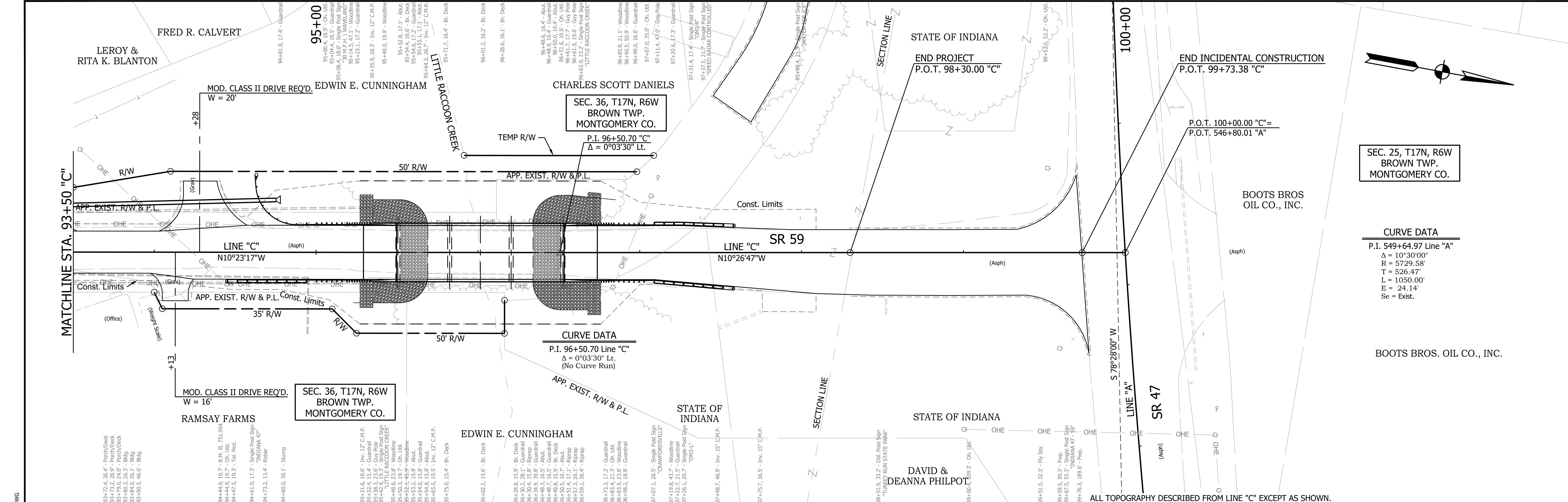
INDIANA  
 DEPARTMENT OF TRANSPORTATION  
 PLAN AND PROFILE  
 STA. 81+00.00 TO 84+50.00 LINE "C"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	
VERTICAL SCALE	DESIGNATION
1"=10'	1593272
SURVEY BOOK	SHEET
	13 of 94
CONTRACT	PROJECT
RS-39363	1593272

PRINT DATE: 1/15/20 PLOT SCALE: 1:1 EDIT DATE: 1/14/20 4:49 PM DRAWING FILE: P:\18-500-061-1 SR 59 WAVELAND\ACAD\06 PLAN\PROF.PLAN AND PROFILES - SR59 WAVELAND 30 SCALE.DWG



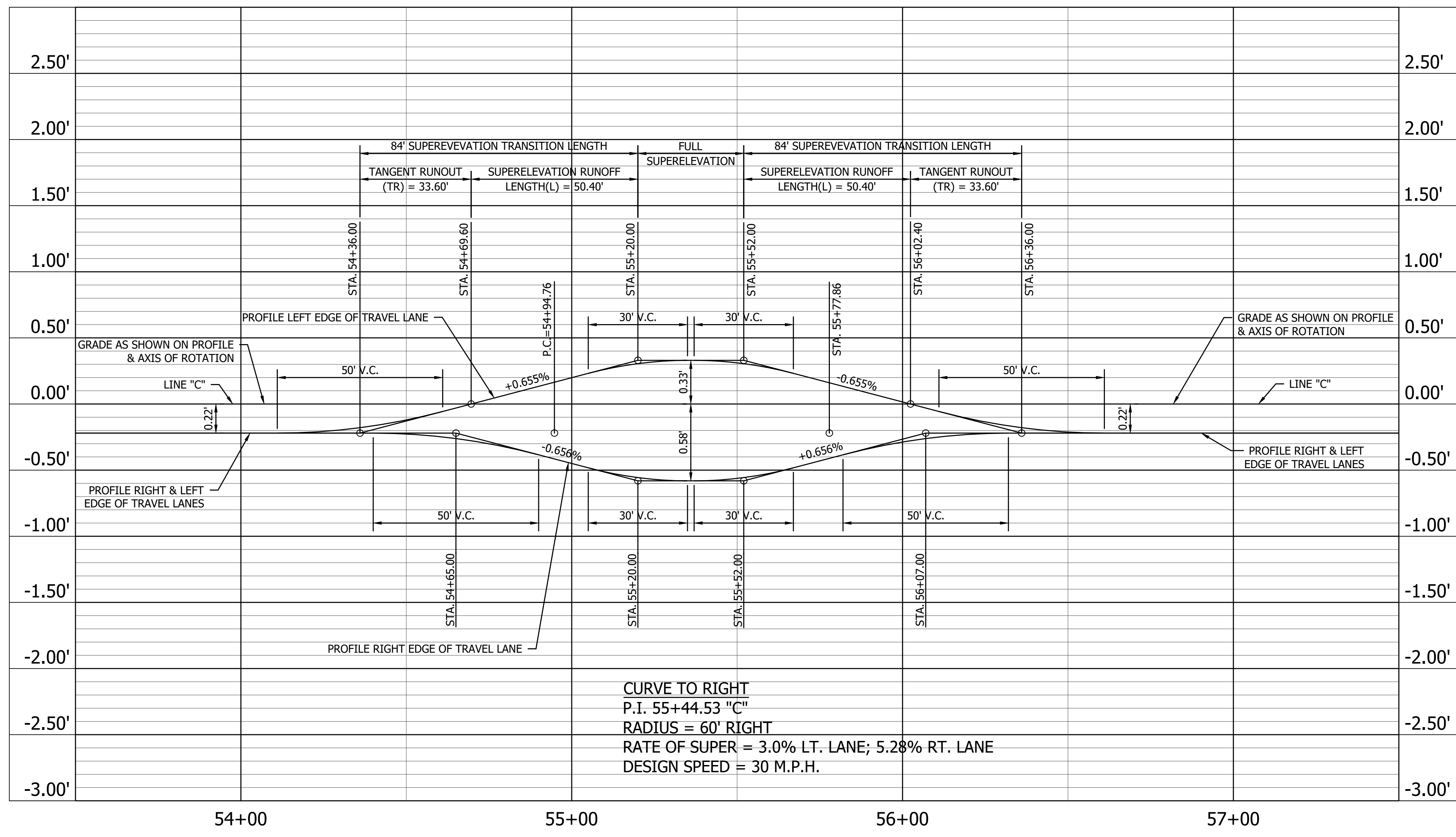
	<p>RECOMMENDED FOR APPROVAL _____</p> <p>DESIGN ENGINEER _____ DATE _____</p> <p>DESIGNED: <u>YZ</u> DRAWN: <u>MRM</u></p> <p>CHECKED: <u>JRS</u> CHECKED: <u>JRS</u></p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN AND PROFILE</p> <p>STA. 84+50.00 TO 93+50.00 LINE "C"</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1"=30'</td> <td></td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1"=10'</td> <td>1593272</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>14 of 94</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>RS-39363</td> <td>1593272</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1"=30'		VERTICAL SCALE	DESIGNATION	1"=10'	1593272	SURVEY BOOK	SHEET		14 of 94	CONTRACT	PROJECT	RS-39363	1593272
HORIZONTAL SCALE	BRIDGE FILE																		
1"=30'																			
VERTICAL SCALE	DESIGNATION																		
1"=10'	1593272																		
SURVEY BOOK	SHEET																		
	14 of 94																		
CONTRACT	PROJECT																		
RS-39363	1593272																		



<p>516 NORTH 275131.4699 EAST 760567.1980 LINE "C" Top / Center of R/W Marker Mag Nail SW. Face PWP #MTI-251 13.38' Mag Nail Set on Asphalt Curb @ Bridge P.I. 96+50.70</p>	<p>517 NORTH 275474.9831 EAST 760503.8640 LINE "C" Cut "X" on SW Bolt "Food Mart" Sign Base Mag Nail in Pavement S.R. 47 Mag Nail N. Face PWP #70-90 POT 100+00.00</p>	<p>518 NORTH 275421.7229 EAST 760268.3140 LINE "A" Mag Nail in Top / Curb @ Joint S.R. 47 Top / Center of R/W Marker Top / Center of R/W Marker P.C. 544+38.50</p>	<p>519 NORTH 275526.9851 EAST 760784.1580 LINE "A" S. Face "Lake Waveland" Sign Post Mag Nail S. Face PWP #501-404 S.R. 47 Top / Center of R/W Marker Rebar with "SICA" Cap Set P.I. 549+64.97</p>	<p>520 NORTH 275724.4898 EAST 761272.1816 LINE "A" Rebar Found w/ Deckard Survey Cap Mag Nail Set S. Face PWP #205-961 S.R. 47 Top / Center of R/W Marker PT 554+88.50</p>	<p>RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____</p> <p>DESIGNED: YZ _____ DRAWN: MRM _____ CHECKED: JRS _____ CHECKED: JRS _____</p>	<p><b>INDIANA DEPARTMENT OF TRANSPORTATION</b></p> <p><b>PLAN AND PROFILE</b> STA. 93+50.00 TO 100+00.00 LINE "C"</p>	<p>HORIZONTAL SCALE 1"=30'</p> <p>VERTICAL SCALE 1"=10'</p> <p>SURVEY BOOK _____ SHEET 15 of 94</p> <p>CONTRACT RS-39363 PROJECT 1593272</p>
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PRINT DATE: 1/15/20 PLOT SCALE: 1:1 EDIT DATE: 1/14/20 4:49 PM EDITED BY: MMURRAY DRAWING FILE: P:\18-500-061-1 SR 59 WAVELAND\ACAD\06 PLAN\PROFPLAN AND PROFILES - SR59 WAVELAND 30 SCALE.DWG

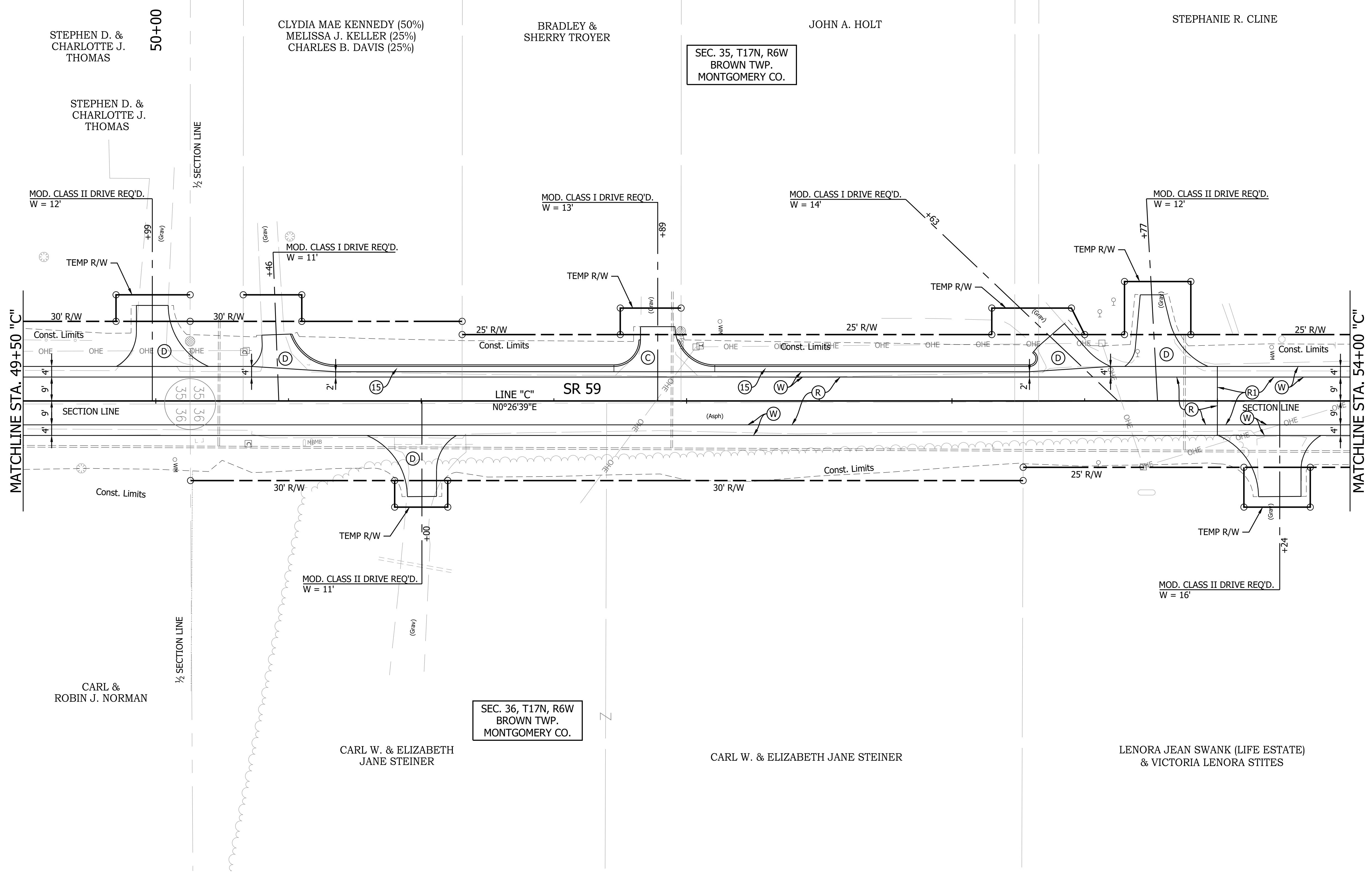
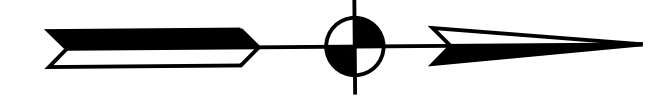
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 EDITED BY: MMURRAY  
 DRAWING FILE: P:\18-500-061-1 SR 59 WAVELAND\ACAD\06A SUPERELEVATION\SE - S659 WAVELAND 20 SCALE.DWG



	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE 1"=20'	BRIDGE FILE
	DESIGNED: <u>YZ</u> DRAWN: <u>MRM</u>	<b>SUPERELEVATION DIAGRAM</b>	VERTICAL SCALE 2"=1'	DESIGNATION 1593272
	CHECKED: <u>JRS</u> CHECKED: <u>JRS</u>	<b>LINE "C"</b>	SURVEY BOOK	SHEET 16 of 94
			CONTRACT RS-39363	PROJECT 1593272







**LEGEND**

(15)	Combined Concrete Curb & Gutter	(K)	165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 12.5 mm 275 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 19.0 mm 880 lb/SYS QC/QA HMA Pavement, 2, 64, Base 25.0 mm	(R)	Milling, Asphalt Removal 220 lb/SYS QC/QA HMA 3, 70, Surface 12.5 mm 220 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 12.5 mm
(26)	Sodding, Nursery	(D)	Compacted Agg. No. 53	(W)	165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 9.5 mm 440 lb/SYS QC/QA HMA Intermediate, Type C Variable (Min. 660) lb/SYS QC/QA HMA Base, Type C Match Adjacent Pavement Depth
(27)	Seed Mixture, U	(R)	Milling, Asphalt 2.0"	(X)	Sidewalk Curb Ramp
(C)	PCCP For Approaches				
(D)	HMA For Approaches				
(F)	Concrete Sidewalk, 4"				

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: YZ	DRAWN: MRM	
CHECKED: JRS	CHECKED: JRS	

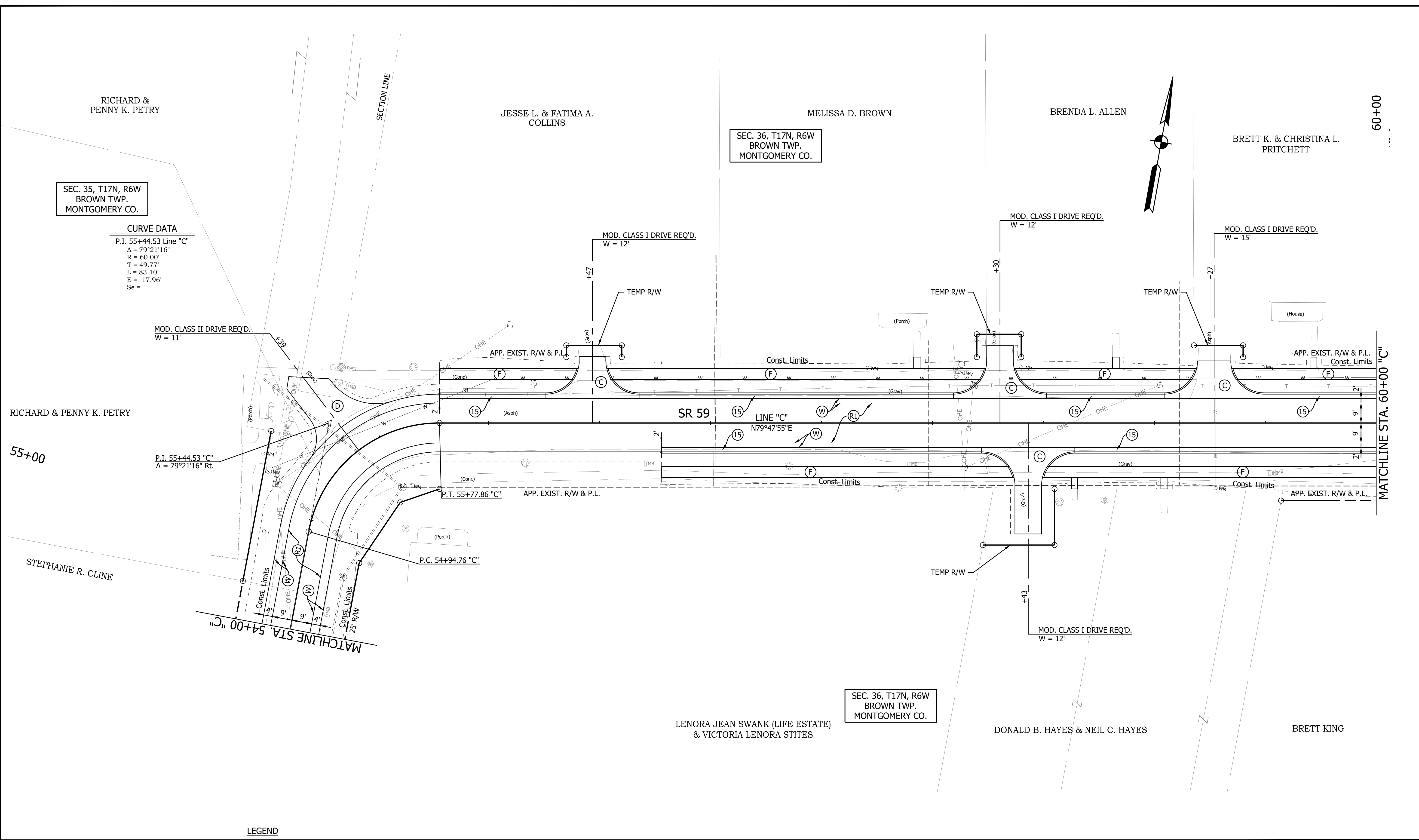
**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION DETAILS**  
**STA. 49+50.00 TO 54+00.00 LINE "C"**

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
	1593272
SURVEY BOOK	SHEET
	18 of 94
CONTRACT	PROJECT
RS-39363	1593272

PRINT DATE: 1/15/20 PLOT SCALE: 1:1 EDITED BY: MMURRAY DRAWING FILE: P:\18-500-061-1 SR 59 WAVELAND\ACAD\07 CONST DTL\CD - SR59 WAVELAND 20 SCALED.DWG

PRINT DATE: 1/15/20 PLOT SCALE: 1:1 EDIT DATE: 1/14/20 4:48 PM EDITED BY: MMURRAY DRAWING FILE: P:\18-500-061-1 SR 59 WAVELAND\ACAD\07 CONST DTL\CD - SR59 WAVELAND 20 SCALED.DWG



SEC. 35, T17N, R6W  
BROWN TWP.  
MONTGOMERY CO.

SEC. 36, T17N, R6W  
BROWN TWP.  
MONTGOMERY CO.

SEC. 36, T17N, R6W  
BROWN TWP.  
MONTGOMERY CO.

**CURVE DATA**  
 P.I. 55+44.53 Line "C"  
 $\Delta = 79^\circ 21' 16''$   
 $R = 60.00'$   
 $T = 49.77'$   
 $L = 83.10'$   
 $E = 17.96'$   
 $Se =$

**LEGEND**

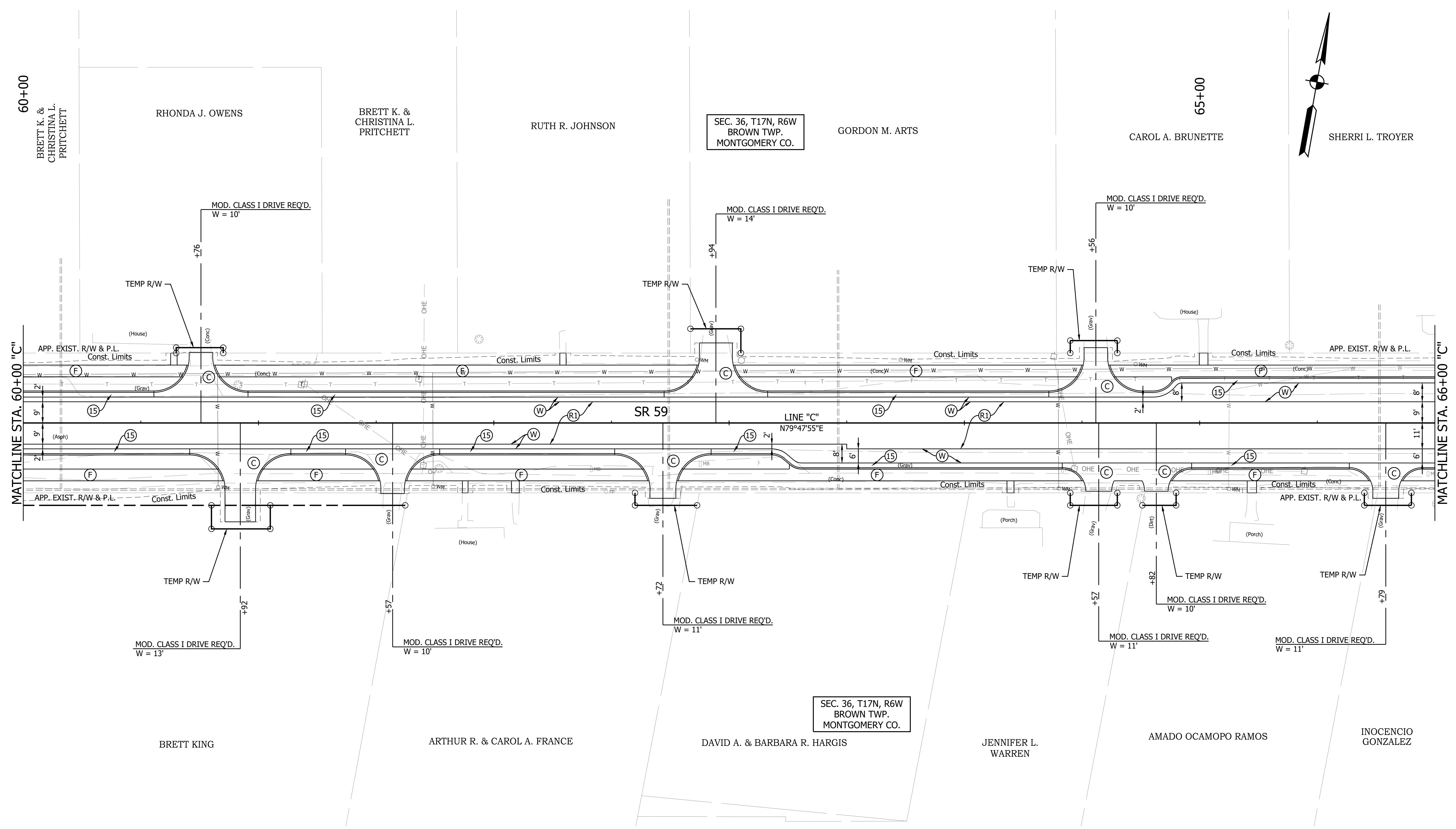
(15)	Combined Concrete Curb & Gutter	(K)	165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 12.5 mm	(R1)	Milling, Asphalt Removal
(26)	Sodding, Nursery	(O)	275 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 19.0 mm	(W)	220 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 12.5 mm
(27)	Seed Mixture, U	(R)	880 lb/SYS QC/QA HMA Pavement, 2, 64, Base 25.0 mm	(X)	220 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 12.5 mm
(C)	PCCP For Approaches	(D)	Compacted Agg. No. 53		
(D)	HMA For Approaches	(R)	Milling, Asphalt 2.0"		
(F)	Concrete Sidewalk, 4"	(W)	165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 9.5 mm		
		(X)	220 lb/SYS QC/QA HMA 3, 70, Surface 12.5 mm		
			Variable (Min. 660) lb/SYS QC/QA HMA Base, Type C		
			Match Adjacent Pavement Depth		

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: YZ	DRAWN: MRM	
CHECKED: JRS	CHECKED: JRS	

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
**CONSTRUCTION DETAILS**  
**STA. 54+00.00 TO 60+00.00 LINE "C"**

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
	1593272
SURVEY BOOK	SHEET
	19 of 94
CONTRACT	PROJECT
RS-39363	1593272

PRINT DATE: 1/15/20 PLOT SCALE: 1:1 EDIT DATE: 1/14/20 4:48 PM EDITED BY: MMURRAY DRAWING FILE: P:\18-500-061-1 SR 59 WAVELAND\ACAD\07 CONST DTL\CD - SR59 WAVELAND 20 SCALED.DWG



**LEGEND**

(15)	Combined Concrete Curb & Gutter	(K)	165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 12.5 mm	(R1)	Milling, Asphalt Removal
(26)	Sodding, Nursery	(O)	275 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 19.0 mm	(W)	220 lb/SYS QC/QA HMA 3, 70, Surface 12.5 mm
(27)	Seed Mixture, U	(R)	880 lb/SYS QC/QA HMA Pavement, 2, 64, Base 25.0 mm	(X)	220 lb/SYS QC/QA HMA Intermediate, Type C
(C)	PCCP For Approaches	(M)	220 lb/SYS QC/QA HMA 3, 70, Surface 12.5 mm		Variable (Min. 660) lb/SYS QC/QA HMA Base, Type C
(D)	HMA For Approaches				Match Adjacent Pavement Depth
(F)	Concrete Sidewalk, 4"				

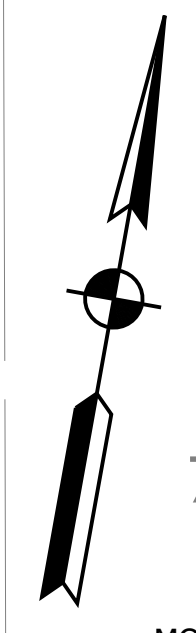
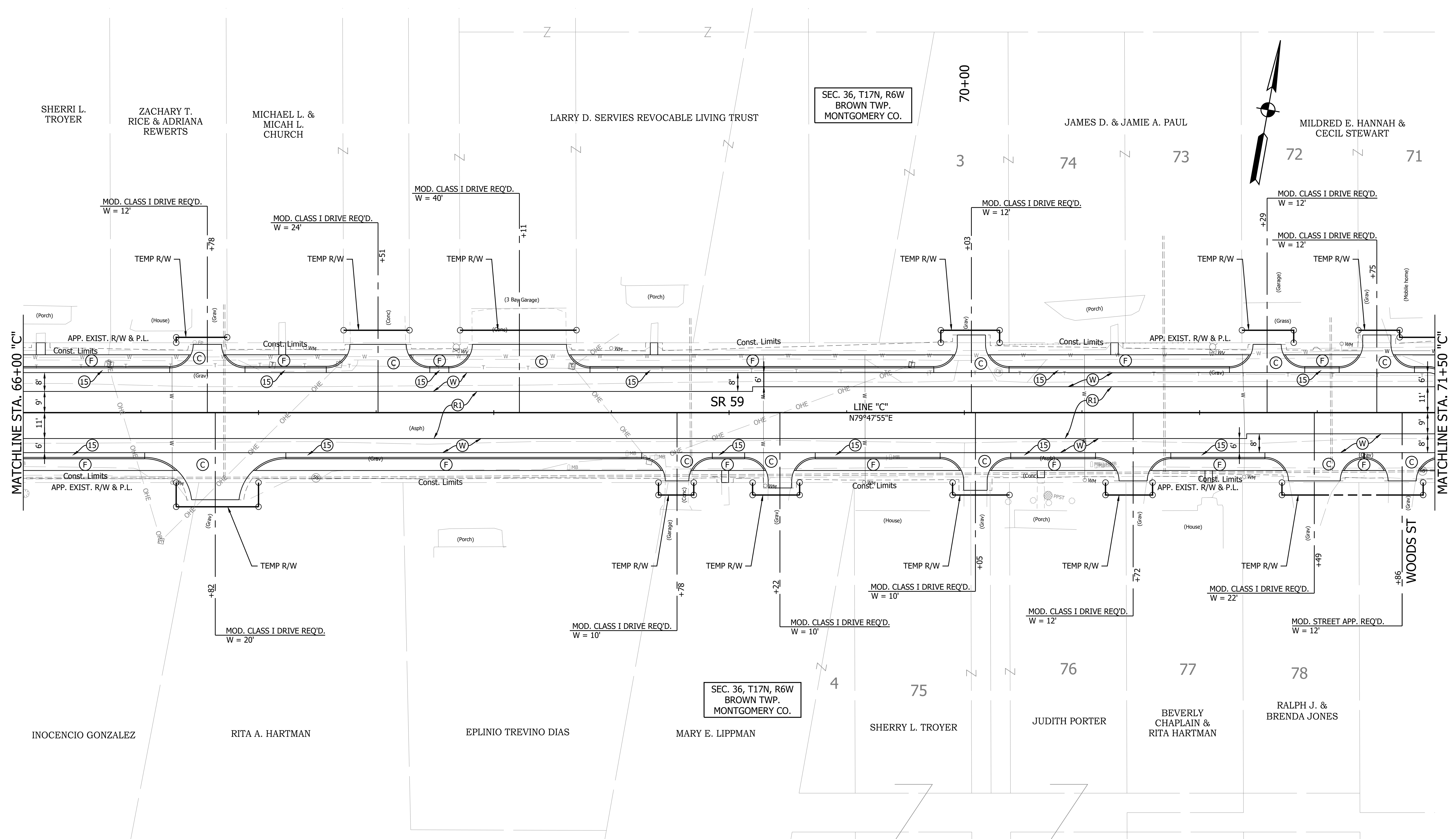
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: YZ	DRAWN: MRM	
CHECKED: JRS	CHECKED: JRS	

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**CONSTRUCTION DETAILS**  
**STA. 60+00 TO 66+00 LINE "C"**

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
	1593272
SURVEY BOOK	SHEET
	20 of 94
CONTRACT	PROJECT
RS-39363	1593272



PRINT DATE: 1/15/20 PLOT SCALE: 1:1 EDIT DATE: 1/14/20 4:48 PM EDITED BY: MMURRAY DRAWING FILE: P:\18-500-061-1 SR 59 WAVELAND\ACAD\07 CONST DTL\CD -SR59 WAVELAND 20 SCALED.DWG



**LEGEND**

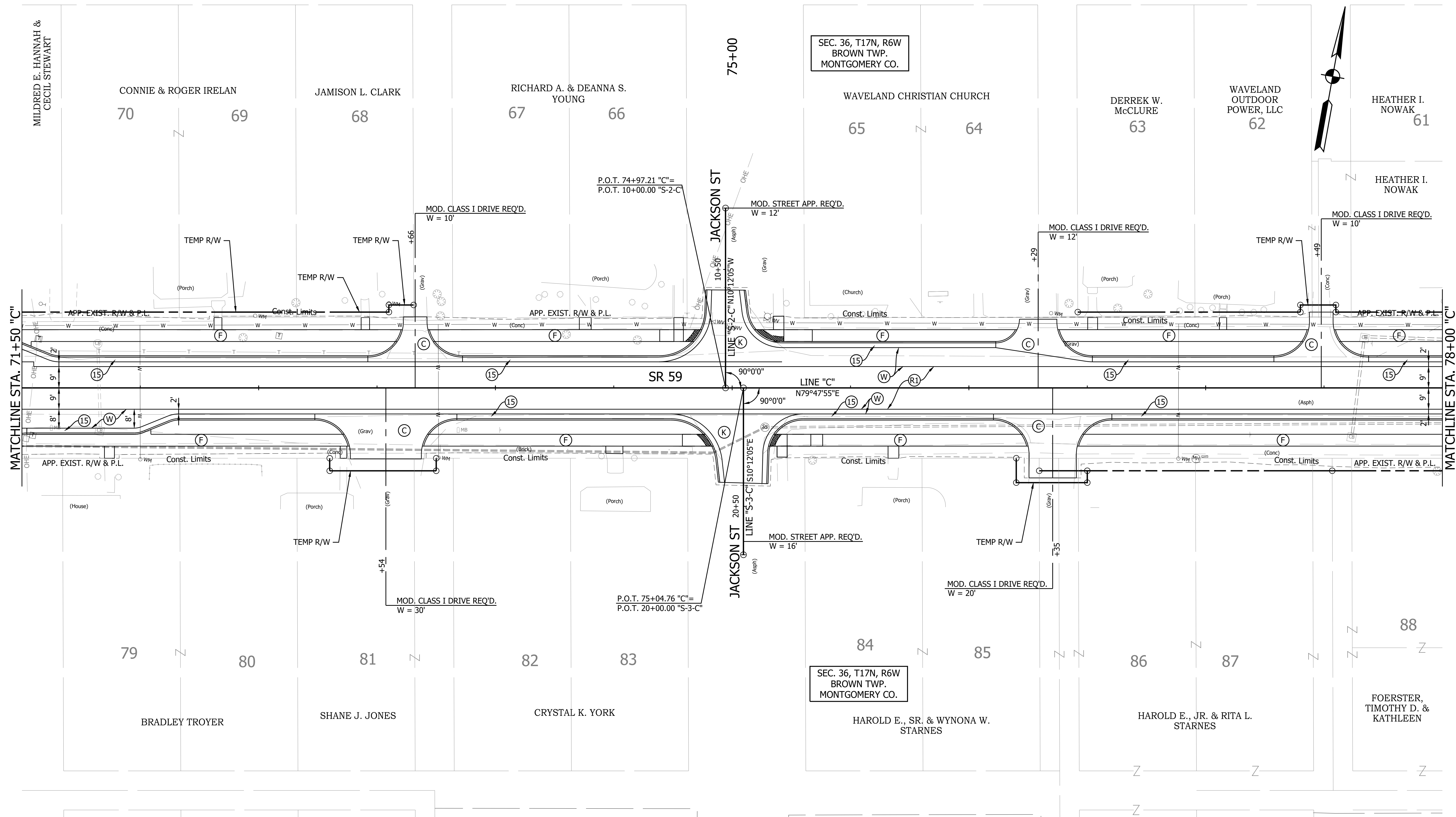
(15)	Combined Concrete Curb & Gutter	(K)	165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 12.5 mm	(R1)	Milling, Asphalt Removal
(26)	Sodding, Nursery	(275)	275 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 19.0 mm	(220)	220 lb/SYS QC/QA HMA 3, 70, Intermediate 12.5 mm
(S)	Seed Mixture, U	(880)	880 lb/SYS QC/QA HMA Pavement, 2, 64, Base 25.0 mm	(C)	Compacted Agg. No. 53
(P)	PCCP For Approaches	(M)	Milling, Asphalt 2.0"	(W)	165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 9.5 mm
(H)	HMA For Approaches	(220)	220 lb/SYS QC/QA HMA 3, 70, Surface 12.5 mm	(V)	Variable (Min. 660) lb/SYS QC/QA HMA Base, Type C
(F)	Concrete Sidewalk, 4"	(X)	Sidewalk Curb Ramp	(M)	Match Adjacent Pavement Depth

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: YZ	DRAWN: MRM	
CHECKED: JRS	CHECKED: JRS	

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**CONSTRUCTION DETAILS**  
**STA. 66+00 TO 71+50.00 LINE "C"**

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
	1593272
SURVEY BOOK	SHEET
	21 of 94
CONTRACT	PROJECT
RS-39363	1593272

PRINT DATE: 1/15/20 PLOT SCALE: 1:1 EDIT DATE: 1/14/20 4:48 PM EDITED BY: MMURRAY DRAWING FILE: P:\18-500-061-1 SR 59 WAVELAND\ACAD\07 CONST DTL\CD - SR59 WAVELAND 20 SCALED.DWG



**LEGEND**

(15)	Combined Concrete Curb & Gutter	(K)	165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 12.5 mm	(R1)	Milling, Asphalt Removal
(26)	Sodding, Nursery	(L)	275 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 19.0 mm	(R)	220 lb/SYS QC/QA HMA 3, 70, Surface 12.5 mm
(27)	Seed Mixture, U	(M)	880 lb/SYS QC/QA HMA Pavement, 2, 64, Base 25.0 mm	(W)	220 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 12.5 mm
(C)	PCCP For Approaches	(N)	Compacted Agg. No. 53		
(D)	HMA For Approaches	(R)	Milling, Asphalt 2.0"		
(F)	Concrete Sidewalk, 4"	(S)	220 lb/SYS QC/QA HMA 3, 70, Surface 12.5 mm		
		(X)	Sidewalk Curb Ramp		

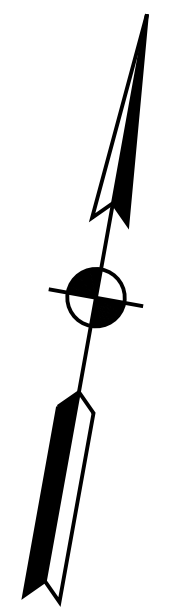
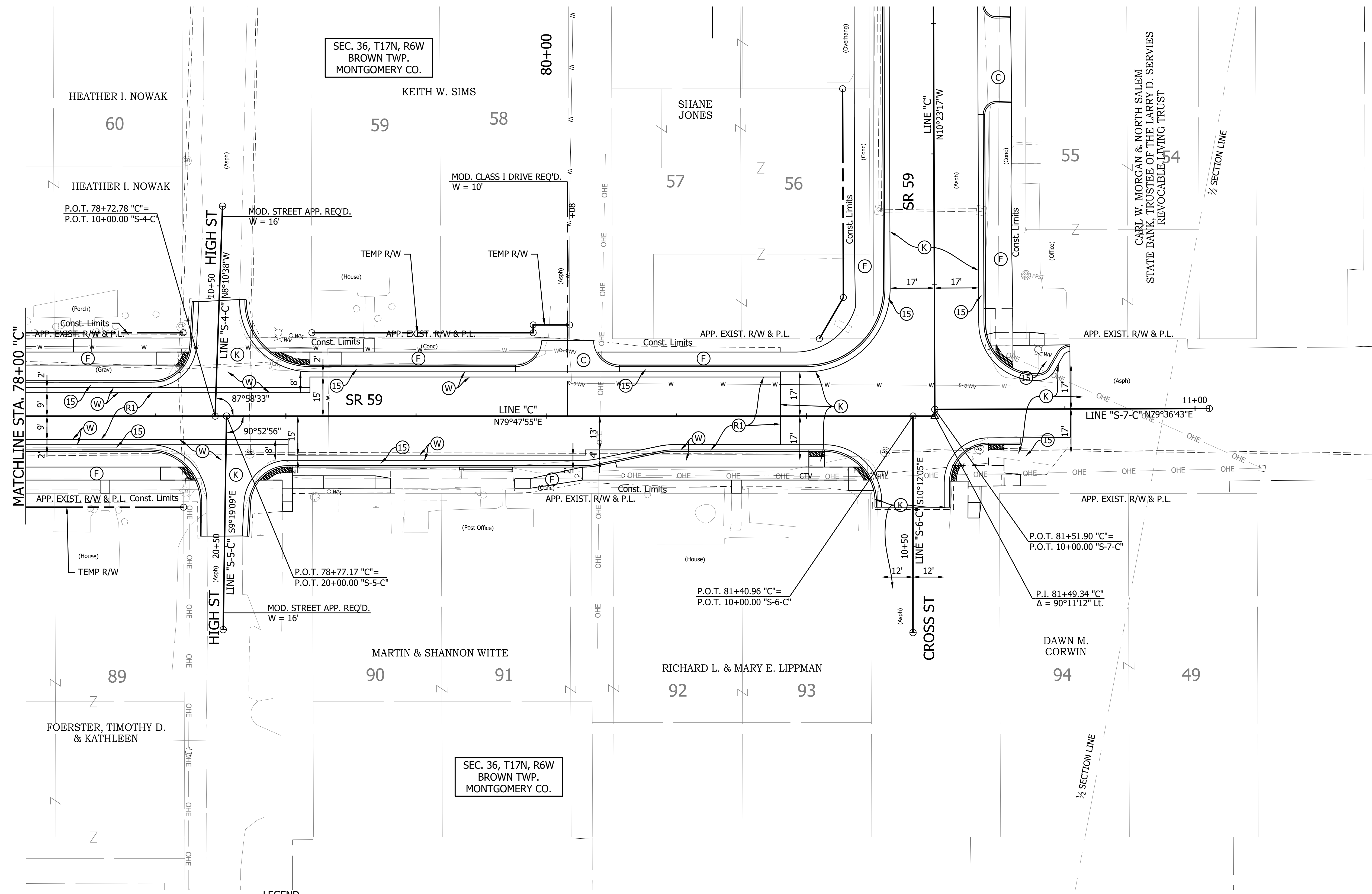
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: YZ	DRAWN: MRM	
CHECKED: JRS	CHECKED: JRS	

**INDIANA**  
DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION DETAILS**  
STA. 71+50 TO 78+00 LINE "C"

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
	1593272
SURVEY BOOK	SHEET
	22 of 94
CONTRACT	PROJECT
RS-39363	1593272

PRINT DATE: 1/15/20 PLOT SCALE: 1:1 EDIT DATE: 1/14/20 4:48 PM EDITED BY: MMURRAY DRAWING FILE: P:\18-500-061-1 SR 59 WAVELAND\ACAD\07 CONST DTL\CD - SR59 WAVELAND 20 SCALE.DWG



**LEGEND**

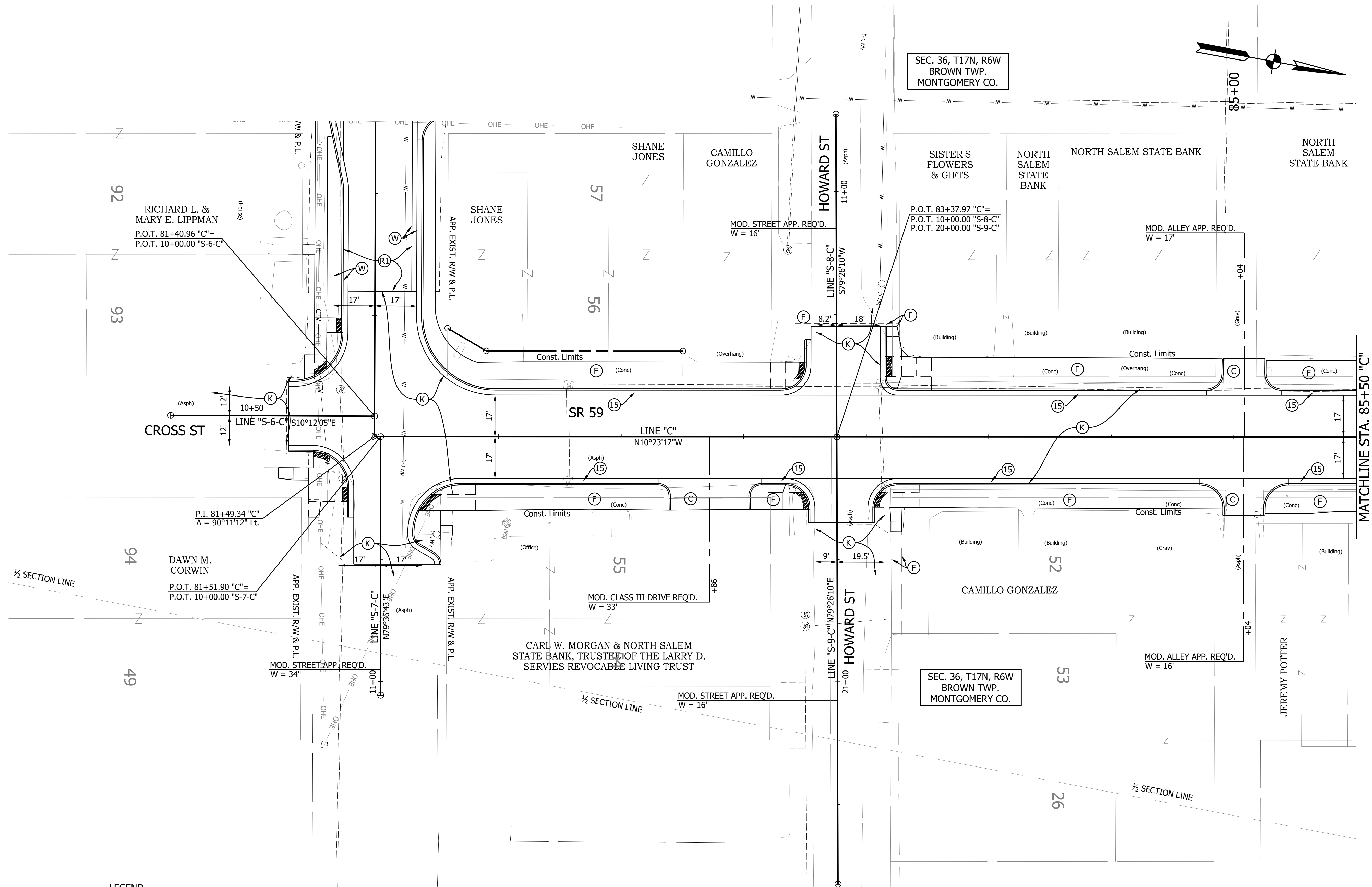
(15)	Combined Concrete Curb & Gutter	(K)	165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 12.5 mm 275 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 19.0 mm 880 lb/SYS QC/QA HMA Pavement, 2, 64, Base 25.0 mm	(R1)	Milling, Asphalt Removal 220 lb/SYS QC/QA HMA 3, 70, Surface 12.5 mm 220 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 12.5 mm
(26)	Sodding, Nursery	(O)	Compacted Agg. No. 53	(W)	165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 9.5 mm 440 lb/SYS QC/QA HMA Intermediate, Type C Variable (Min. 660) lb/SYS QC/QA HMA Base, Type C Match Adjacent Pavement Depth
(27)	Seed Mixture, U	(R)	Milling, Asphalt 2.0"		
(C)	PCCP For Approaches	(X)	Sidewalk Curb Ramp		
(D)	HMA For Approaches				
(F)	Concrete Sidewalk, 4"				

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED: YZ		DRAWN: MRM			
CHECKED: JRS		CHECKED: JRS			

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**CONSTRUCTION DETAILS**  
**STA. 78+00 TO 81+49.34 LINE "C"**

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
	1593272
SURVEY BOOK	SHEET
	23 of 94
CONTRACT	PROJECT
RS-39363	1593272

PRINT DATE: 1/15/20 PLOT SCALE: 1:1 EDIT DATE: 1/14/20 4:48 PM EDITED BY: MMURRAY DRAWING FILE: P:\18-500-061-1 SR 59 WAVELAND\ACAD\07 CONST DTL\CD - SR59 WAVELAND 20 SCALED.DWG



**LEGEND**

- |      |                                 |     |   |     |   |
|------|---------------------------------|-----|---|-----|---|
| (15) | Combined Concrete Curb & Gutter | (K) | 165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 12.5 mm<br>275 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 19.0 mm<br>880 lb/SYS QC/QA HMA Pavement, 2, 64, Base 25.0 mm | (R) | Milling, Asphalt Removal<br>220 lb/SYS QC/QA HMA 3, 70, Surface 12.5 mm<br>220 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 12.5 mm   |
| (26) | Sodding, Nursery                | (O) | Compacted Agg. No. 53   | (W) | 165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 9.5 mm<br>440 lb/SYS QC/QA HMA Intermediate, Type C<br>Variable (Min. 660) lb/SYS QC/QA HMA Base, Type C<br>Match Adjacent Pavement Depth |
| (27) | Seed Mixture, U                 | (R) | Milling, Asphalt 2.0"   |     |   |
| (C)  | PCCP For Approaches             |     |   |     |   |
| (D)  | HMA For Approaches              |     |   |     |   |
| (F)  | Concrete Sidewalk, 4"           | (X) | Sidewalk Curb Ramp  |     |   |

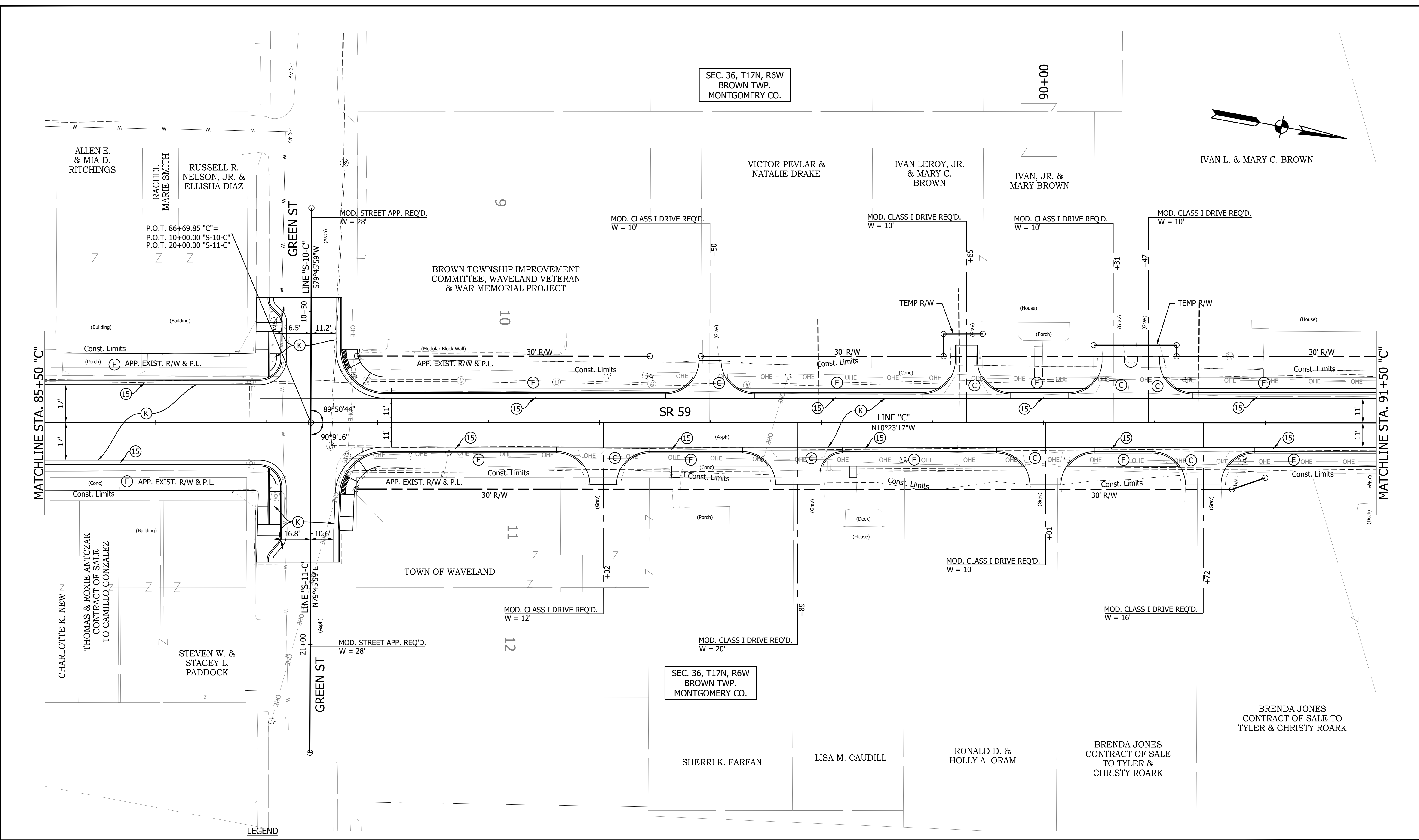
RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED: YZ		DRAWN: MRM			
CHECKED: JRS		CHECKED: JRS			

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
**CONSTRUCTION DETAILS**  
**STA. 81+49.34 TO 85+50 LINE "C"**

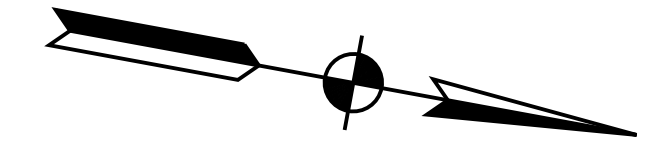
HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
	1593272
SURVEY BOOK	SHEET
	24 of 94
CONTRACT	PROJECT
RS-39363	1593272



PRINT DATE: 1/15/20 PLOT SCALE: 1:1 EDIT DATE: 1/14/20 4:48 PM EDITED BY: MMURRAY DRAWING FILE: P:\18-500-061-1 SR 59 WAVELAND\ACAD\07 CONST DTL\CD - SR59 WAVELAND 20 SCALED.DWG



SEC. 36, T17N, R6W  
BROWN TWP.  
MONTGOMERY CO.



**LEGEND**

(15)	Combined Concrete Curb & Gutter	(K)	165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 12.5 mm	(R)	Milling, Asphalt Removal
(26)	Sodding, Nursery	(O)	275 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 19.0 mm	(W)	220 lb/SYS QC/QA HMA 3, 70, Surface 12.5 mm
(27)	Seed Mixture, U	(D)	880 lb/SYS QC/QA HMA Pavement, 2, 64, Base 25.0 mm	(X)	220 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 12.5 mm
(C)	PCCP For Approaches	(R)	Compacted Agg. No. 53		
(D)	HMA For Approaches	(M)	Milling, Asphalt 2.0"		
(F)	Concrete Sidewalk, 4"	(W)	165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 9.5 mm		
		(X)	220 lb/SYS QC/QA HMA Intermediate, Type C		
			Variable (Min. 660) lb/SYS QC/QA HMA Base, Type C		
			Match Adjacent Pavement Depth		

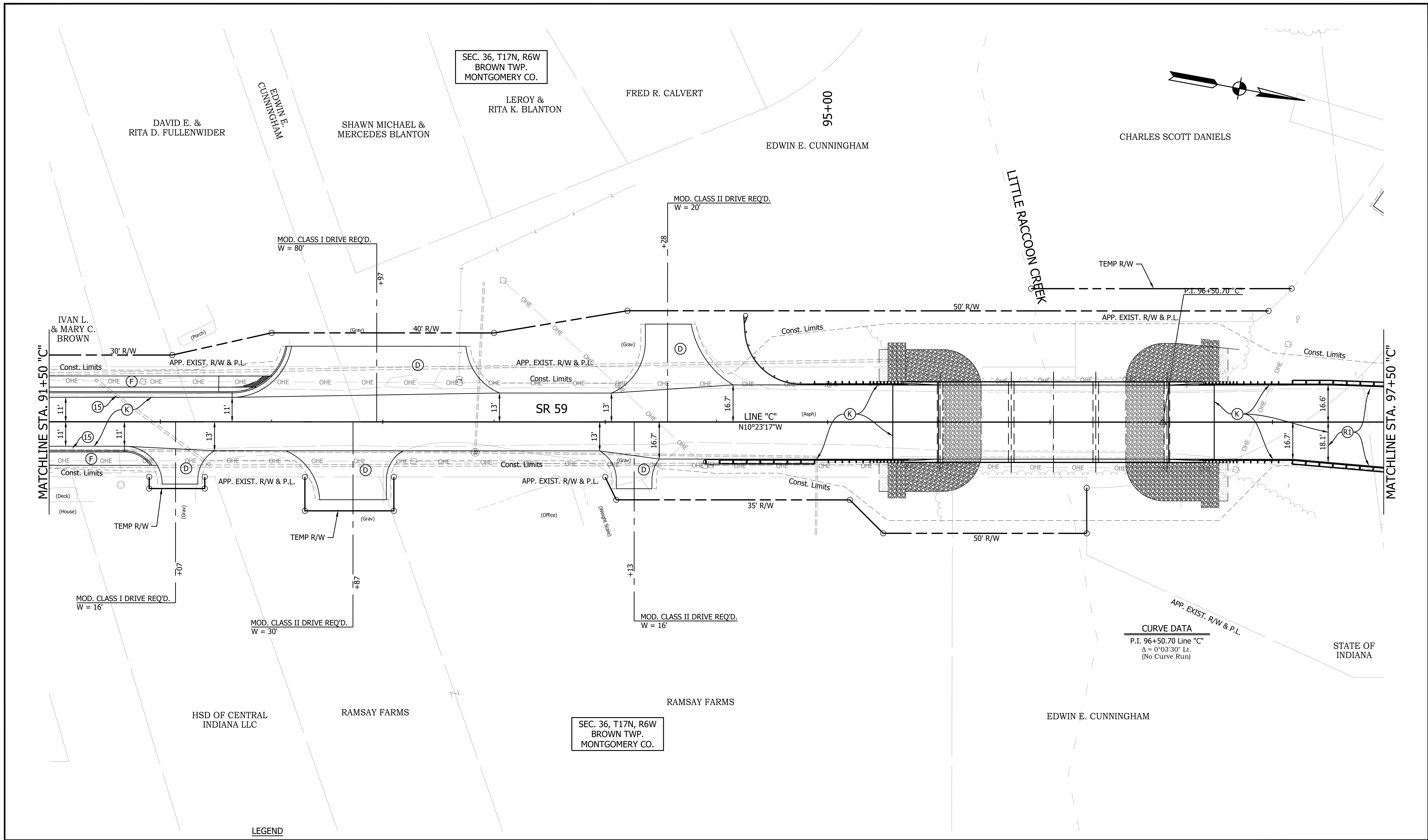
RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED: YZ		DRAWN: MRM			
CHECKED: JRS		CHECKED: JRS			

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION DETAILS**  
**STA. 85+50 TO 91+50 LINE "C"**

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
	1593272
SURVEY BOOK	SHEET
	25 of 94
CONTRACT	PROJECT
RS-39363	1593272

PRINT DATE: 1/15/20 PLOT SCALE: 1:1 EDIT DATE: 1/14/20 4:48 PM EDITED BY: MMURRAY DRAWING FILE: P:\18-500-061-1 SR 59 WAVELAND\ACAD\07 CONST DTL\CD -SR59 WAVELAND 20 SCALED.DWG



**CURVE DATA**  
 P.I. 96+50.70 Line "C"  
 $\Delta = 0^{\circ}03'30''$  Lt.  
 (No Curve Run)

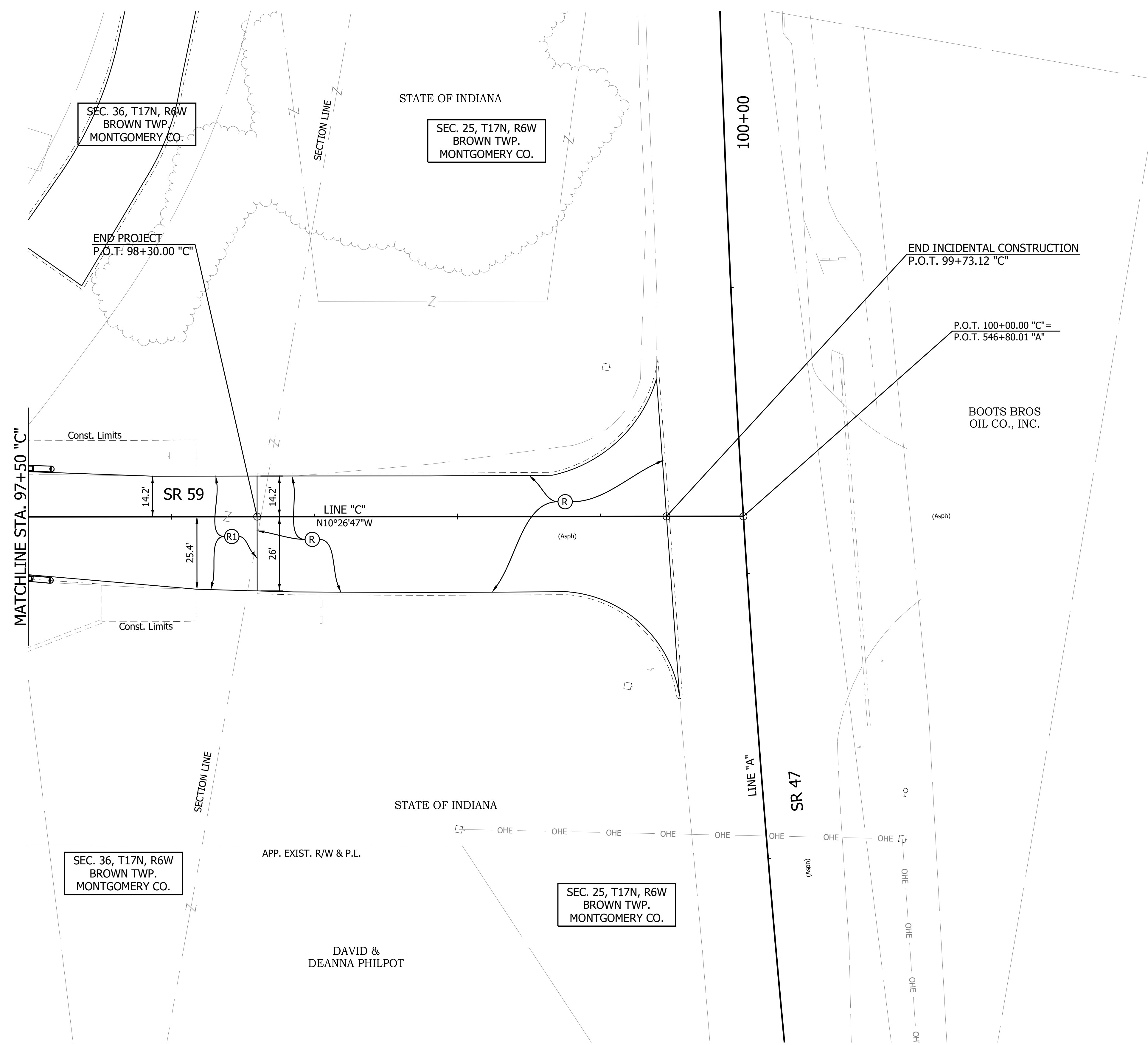
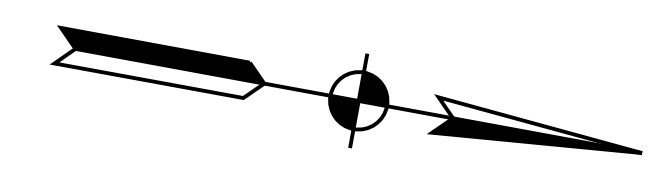
**LEGEND**

(15)	Combined Concrete Curb & Gutter	(K)	165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 12.5 mm	(R)	Milling, Asphalt Removal
(26)	Sodding, Nursery	(D)	275 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 19.0 mm	(R)	220 lb/SYS QC/QA HMA 3, 70, Surface 12.5 mm
(27)	Seed Mixture, U	(D)	880 lb/SYS QC/QA HMA Pavement, 2, 64, Base 25.0 mm	(W)	220 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 12.5 mm
(C)	PCCP For Approaches	(D)	Compacted Agg. No. 53	(W)	165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 9.5 mm
(D)	HMA For Approaches	(R)	Milling, Asphalt 2.0"	(W)	440 lb/SYS QC/QA HMA Intermediate, Type C
(F)	Concrete Sidewalk, 4"	(X)	220 lb/SYS QC/QA HMA 3, 70, Surface 12.5 mm	(W)	Variable (Min. 660) lb/SYS QC/QA HMA Base, Type C
		(X)	Sidewalk Curb Ramp		Match Adjacent Pavement Depth

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: YZ	DRAWN: MRM	
CHECKED: JRS	CHECKED: JRS	

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**CONSTRUCTION DETAILS**  
**STA. 91+50 TO 97+50 LINE "C"**

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
	1593272
SURVEY BOOK	SHEET
	26 of 94
CONTRACT	PROJECT
RS-39363	1593272



**CURVE DATA**

P.I. 549+64.97 Line "A"

$\Delta = 10^\circ 30' 00''$

$R = 5729.58'$

$T = 526.47'$

$L = 1050.00'$

$E = 24.14'$

$S_e =$

**LEGEND**

(15) Combined Concrete Curb & Gutter	(K) 165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 12.5 mm	(R1) Milling, Asphalt Removal
(26) Sodding, Nursery	275 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 19.0 mm	(R) 220 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 12.5 mm
(27) Seed Mixture, U	880 lb/SYS QC/QA HMA Pavement, 2, 64, Base 25.0 mm	(W) 165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 9.5 mm
(C) PCCP For Approaches	(O) Compacted Agg. No. 53	440 lb/SYS QC/QA HMA Intermediate, Type C
(D) HMA For Approaches	(R) Milling, Asphalt 2.0"	Variable (Min. 660) lb/SYS QC/QA HMA Base, Type C
(F) Concrete Sidewalk, 4"	(X) Sidewalk Curb Ramp	Match Adjacent Pavement Depth

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: <u>YZ</u>	DRAWN: <u>MRM</u>	
CHECKED: <u>JRS</u>	CHECKED: <u>JRS</u>	

**INDIANA DEPARTMENT OF TRANSPORTATION**

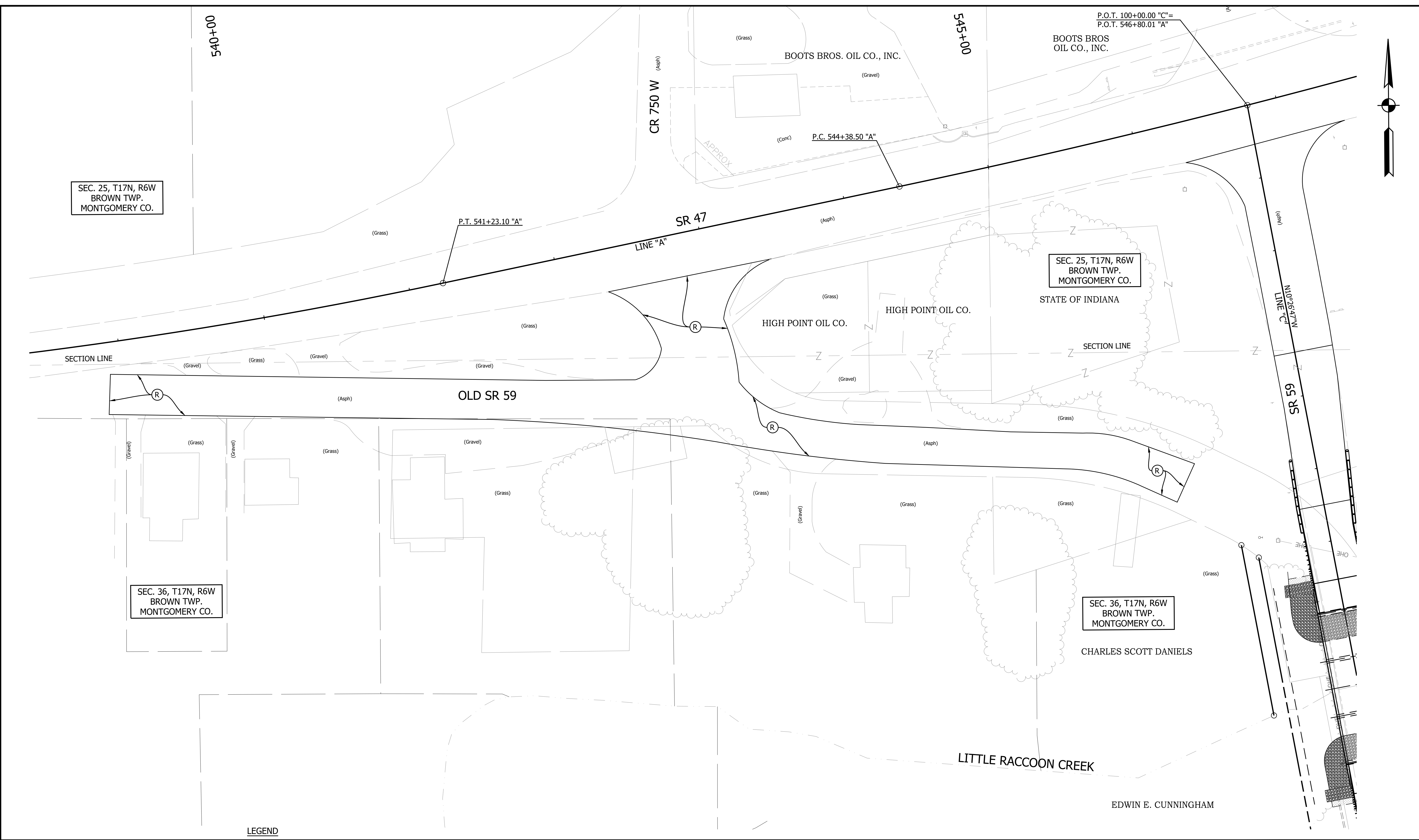
**CONSTRUCTION DETAILS**

**STA. 97+50 TO 100+00 LINE "C"**

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
	1593272
SURVEY BOOK	SHEET
	27 of 94
CONTRACT	PROJECT
RS-39363	1593272

PRINT DATE: 1/15/20 PLOT SCALE: 1:1 EDITED BY: MMURRAY DRAWING FILE: P:\18-500-061-1 SR 59 WAVELAND\ACAD\07 CONST DTL\CD - SR59 WAVELAND 20 SCALED.DWG

PRINT DATE: 1/15/20  
 PLOT SCALE: 1:1  
 EDIT DATE: 8/6/19 - 4:35 PM  
 EDITED BY: MURRAY  
 DRAWING FILE: P:\18-500-061-1 SR 59 WAVELAND\ACAD\07 CONST DTL\CD - OLD SR59 WAVELAND 30 SCALE.DWG



**LEGEND**

(15)	Combined Concrete Curb & Gutter	(K)	165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 12.5 mm 275 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 19.0 mm 880 lb/SYS QC/QA HMA Pavement, 2, 64, Base 25.0 mm	(R1)	Milling, Asphalt Removal 220 lb/SYS QC/QA HMA 3, 70, Surface 12.5 mm 220 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 12.5 mm
(26)	Sodding, Nursery	(D)	Compacted Agg. No. 53	(W)	165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 9.5 mm 440 lb/SYS QC/QA HMA Intermediate, Type C Variable (Min. 660) lb/SYS QC/QA HMA Base, Type C Match Adjacent Pavement Depth
(27)	Seed Mixture, U	(R)	Milling, Asphalt 2.0"		
(C)	PCCP For Approaches	(X)	Sidewalk Curb Ramp		
(D)	HMA For Approaches				
(F)	Concrete Sidewalk, 4"				

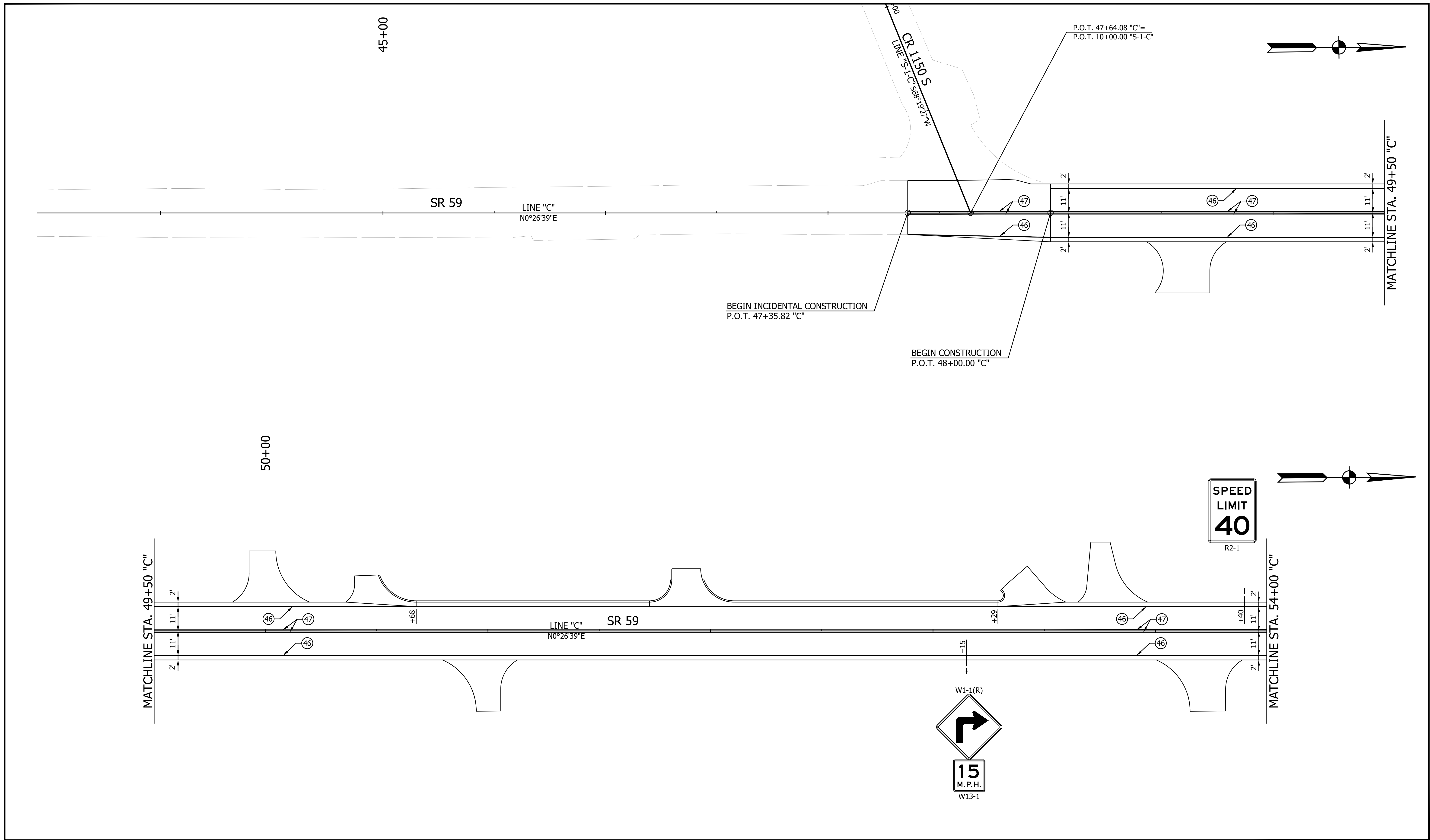
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: <u>YZ</u>	DRAWN: <u>MRM</u>	
CHECKED: <u>JRS</u>	CHECKED: <u>JRS</u>	

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**CONSTRUCTION DETAILS**  
**OLD STATE ROAD 59**

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	
VERTICAL SCALE	DESIGNATION
	1593272
SURVEY BOOK	SHEET
	28 of 94
CONTRACT	PROJECT
RS-39363	1593272



PRINT DATE: 11/15/20  
 PLOT SCALE: 1:1  
 EDIT DATE: 9/19/19 - 8:54 AM  
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 DRAWING FILE: P:\18-500-061-1 SR 59 WAVELAND\ACAD\08 TRAFFIC\SHIT\PMARK\SIGN - SR59 WAVELAND 20 SCALE.DWG



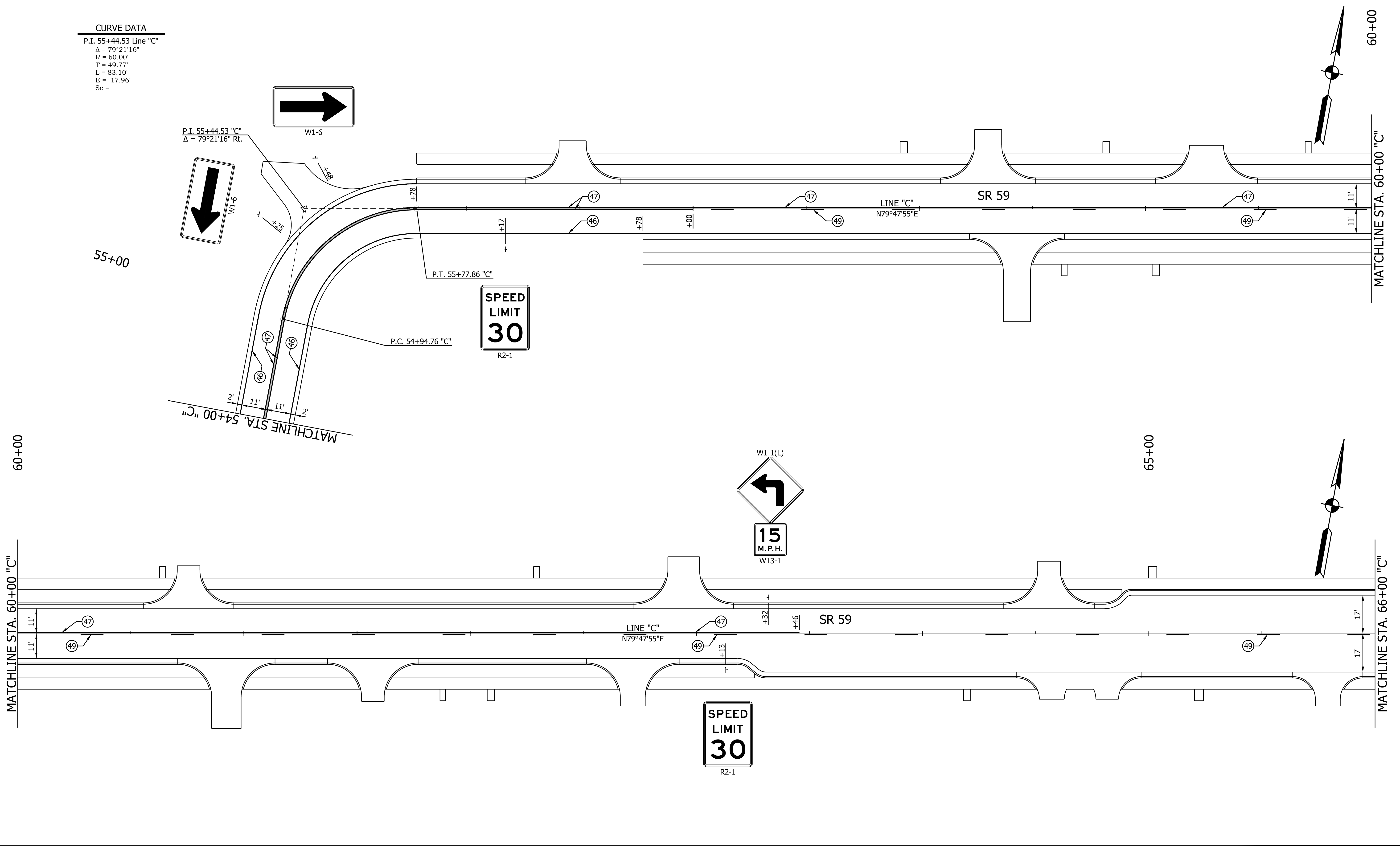
LEGEND	
④	Parking Space Tick, Thermoplastic, Solid, White, 4 in.
⑤	Transverse Marking, Thermoplastic, Stop Line, White, 24 in.
⑥	Line, Thermoplastic, Solid, White, 4 in.
⑦	Line, Thermoplastic, Solid, Yellow, 4 in.
⑧	Transverse Marking, Thermoplastic, Crosswalk Line, White, 24 in. (2' GAP)
⑨	Line, Thermoplastic, Broken, Yellow, 4 in.
⑩	PAVEMENT MESSAGE MARKING, THERMOPLASTIC
⑪	PAVEMENT MESSAGE MARKING, THERMOPLASTIC

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: YZ	DRAWN: MRM		
CHECKED: JRS	CHECKED: JRS		

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
**PAVEMENT MARKING AND SIGNING DETAILS**  
**STA. 42+50.00 TO 54+00.00 LINE "C"**

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
	1593272
SURVEY BOOK	SHEET
	29 of 94
CONTRACT	PROJECT
RS-39363	1593272

**CURVE DATA**  
 P.I. 55+44.53 Line "C"  
 $\Delta = 79^{\circ}21'16"$   
 $R = 60.00'$   
 $T = 49.77'$   
 $L = 83.10'$   
 $E = 17.96'$   
 $Se =$



PRINT DATE: 1/15/20  
 PLOT SCALE: 1:1  
 EDIT DATE: 9/5/19 - 8:54 AM  
 EDITED BY: MMURRAY  
 DRAWING FILE: P:\18-500-06-1 SR 59 WAVELAND\ACAD\08 TRAFFIC\SR59 WAVE\LAND 20 SCALE.DWG

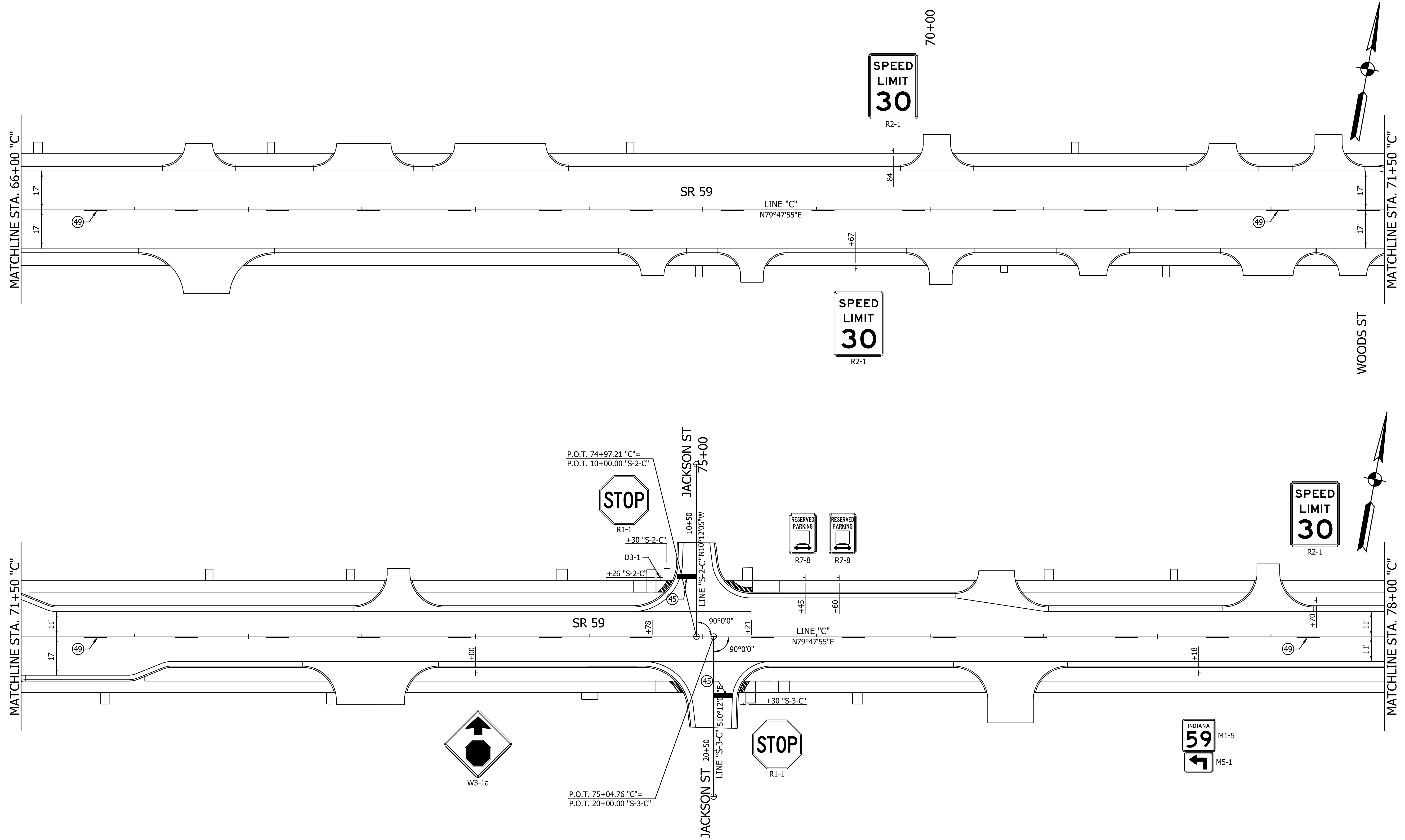
LEGEND	
(44) Parking Space Tick, Thermoplastic Solid, White, 4 in.	(48) Transverse Marking, Thermoplastic, Crosswalk Line, White, 24 in. (2' GAP)
(45) Transverse Marking, Thermoplastic, Stop Line, White, 24 in.	(49) Line, Thermoplastic, Broken, Yellow, 4 in.
(46) Line, Thermoplastic, Solid, White, 4 in.	PAVEMENT MESSAGE MARKING, THERMOPLASTIC
(47) Line, Thermoplastic, Solid, Yellow, 4 in.	PAVEMENT MESSAGE MARKING, THERMOPLASTIC

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: YZ	DRAWN: MRM	
CHECKED: JRS	CHECKED: JRS	

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
**PAVEMENT MARKING AND SIGNING DETAILS**  
**STA. 54+00.00 TO 66+00.00 LINE "C"**

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 1593272
SURVEY BOOK	SHEET 30 of 94
CONTRACT RS-39363	PROJECT 1593272

PRINT DATE: 11/15/20  
 PLOT SCALE: 1:1  
 DRAWING FILE: P:\18-500-061-1 SR 59 WAVELAND\ACAD\08 TRAFFIC\SIGN - SR59 WAVELAND 20 SCALE.DWG  
 EDITED BY: MMURRAY  
 8:54 AM



LEGEND	
(44) Parking Space Tick, Thermoplastic Solid, White, 4 in.	(48) Transverse Marking, Thermoplastic, Crosswalk Line, White, 24 in. (2' GAP)
(45) Transverse Marking, Thermoplastic, Stop Line, White, 24 in.	(49) Line, Thermoplastic, Broken, Yellow, 4 in.
(46) Line, Thermoplastic, Solid, White, 4 in.	PAVEMENT MESSAGE MARKING, THERMOPLASTIC
(47) Line, Thermoplastic, Solid, Yellow, 4 in.	PAVEMENT MESSAGE MARKING, THERMOPLASTIC

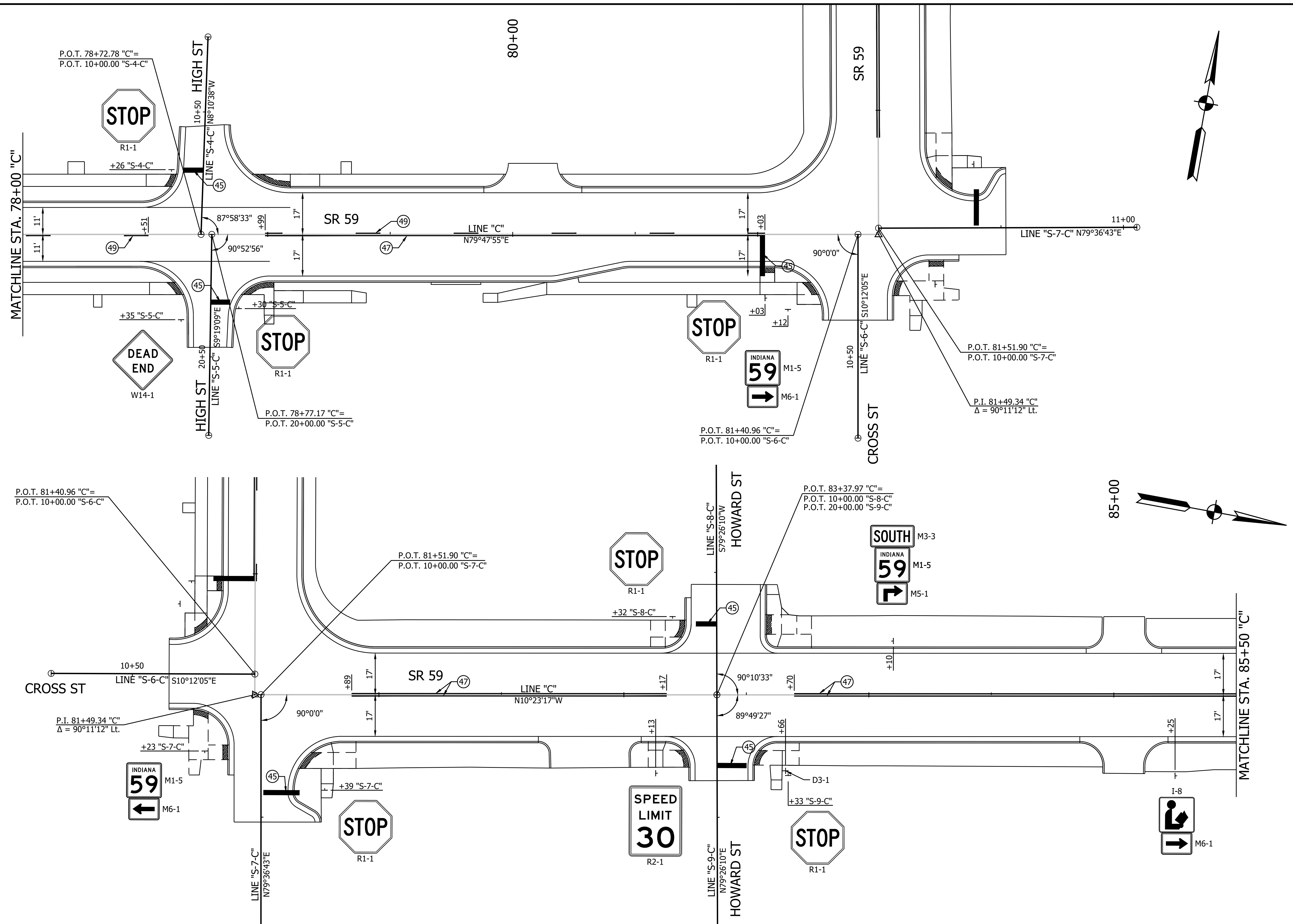
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: YZ	DRAWN: MRM	
CHECKED: JRS	CHECKED: JRS	

INDIANA  
 DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING AND SIGNING DETAILS**  
 STA. 66+000 TO 78+00.00 LINE "C"

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 1593272
SURVEY BOOK	SHEET 31 of 94
CONTRACT RS-39363	PROJECT 1593272

PRINT DATE: 11/15/20  
 PLOT SCALE: 1:1  
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- ④ Parking Space Tick, Thermoplastic Solid, White, 4 in.
- ⑤ Transverse Marking, Thermoplastic, Stop Line, White, 24 in.
- ⑥ Line, Thermoplastic, Solid, White, 4 in.
- ⑦ Line, Thermoplastic, Solid, Yellow, 4 in.

**LEGEND**

- ⑧ Transverse Marking, Thermoplastic, Crosswalk Line, White, 24 in. (2" GAP)
- ⑨ Line, Thermoplastic, Broken, Yellow, 4 in.
- ⑩ PAVEMENT MESSAGE MARKING, THERMOPLASTIC
- ⑪ PAVEMENT MESSAGE MARKING, THERMOPLASTIC

RECOMMENDED FOR APPROVAL \_\_\_\_\_  
 DESIGN ENGINEER DATE

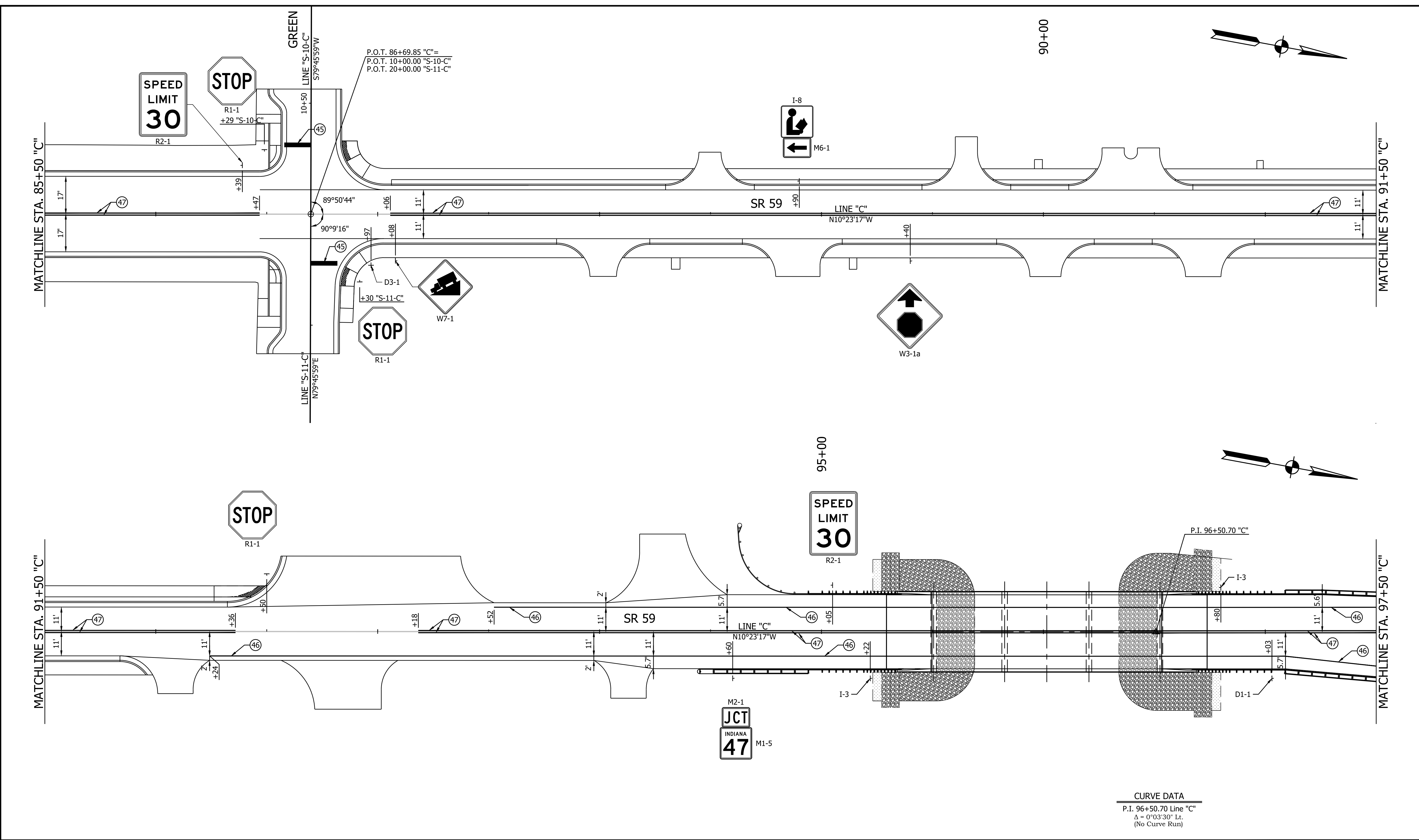
DESIGNED: YZ DRAWN: MRM  
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**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
 PAVEMENT MARKING AND SIGNING DETAILS  
 STA. 78+00 TO 85+50 LINE "C"

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 1593272
SURVEY BOOK	SHEET 32 of 94
CONTRACT RS-39363	PROJECT 1593272



PRINT DATE: 11/15/20  
 PLOT SCALE: 1:1  
 EDIT DATE: 9/5/19 - 8:54 AM  
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**CURVE DATA**  
 P.I. 96+50.70 Line "C"  
 $\Delta = 0^{\circ}03'30''$  Lt.  
 (No Curve Run)

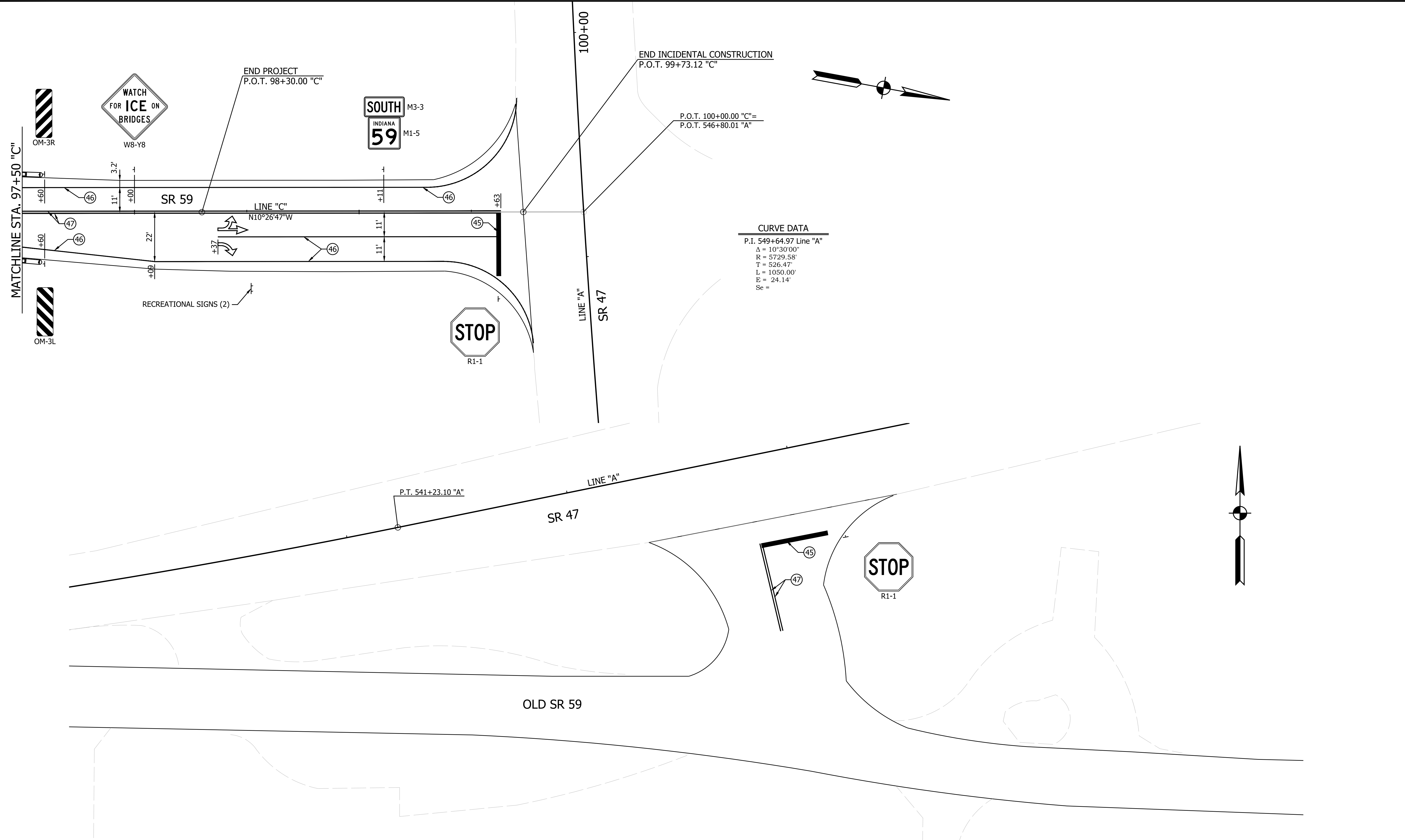
LEGEND	
(44) Parking Space Tick, Thermoplastic Solid, White, 4 in.	(48) Transverse Marking, Thermoplastic, Crosswalk Line, White, 24 in. (2' GAP)
(45) Transverse Marking, Thermoplastic, Stop Line, White, 24 in.	(49) Line, Thermoplastic, Broken, Yellow, 4 in.
(46) Line, Thermoplastic, Solid, White, 4 in.	PAVEMENT MESSAGE MARKING, THERMOPLASTIC
(47) Line, Thermoplastic, Solid, Yellow, 4 in.	PAVEMENT MESSAGE MARKING, THERMOPLASTIC

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: YZ	DRAWN: MRM	
CHECKED: JRS	CHECKED: JRS	

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
**PAVEMENT MARKING AND SIGNING DETAILS**  
**STA. 85+50 TO 97+50 LINE "C"**

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
	1593272
SURVEY BOOK	SHEET
	33 of 94
CONTRACT	PROJECT
RS-39363	1593272

PRINT DATE: 1/15/20  
 PLOT SCALE: 1:1  
 EDIT DATE: 9/5/19 - 8:54 AM  
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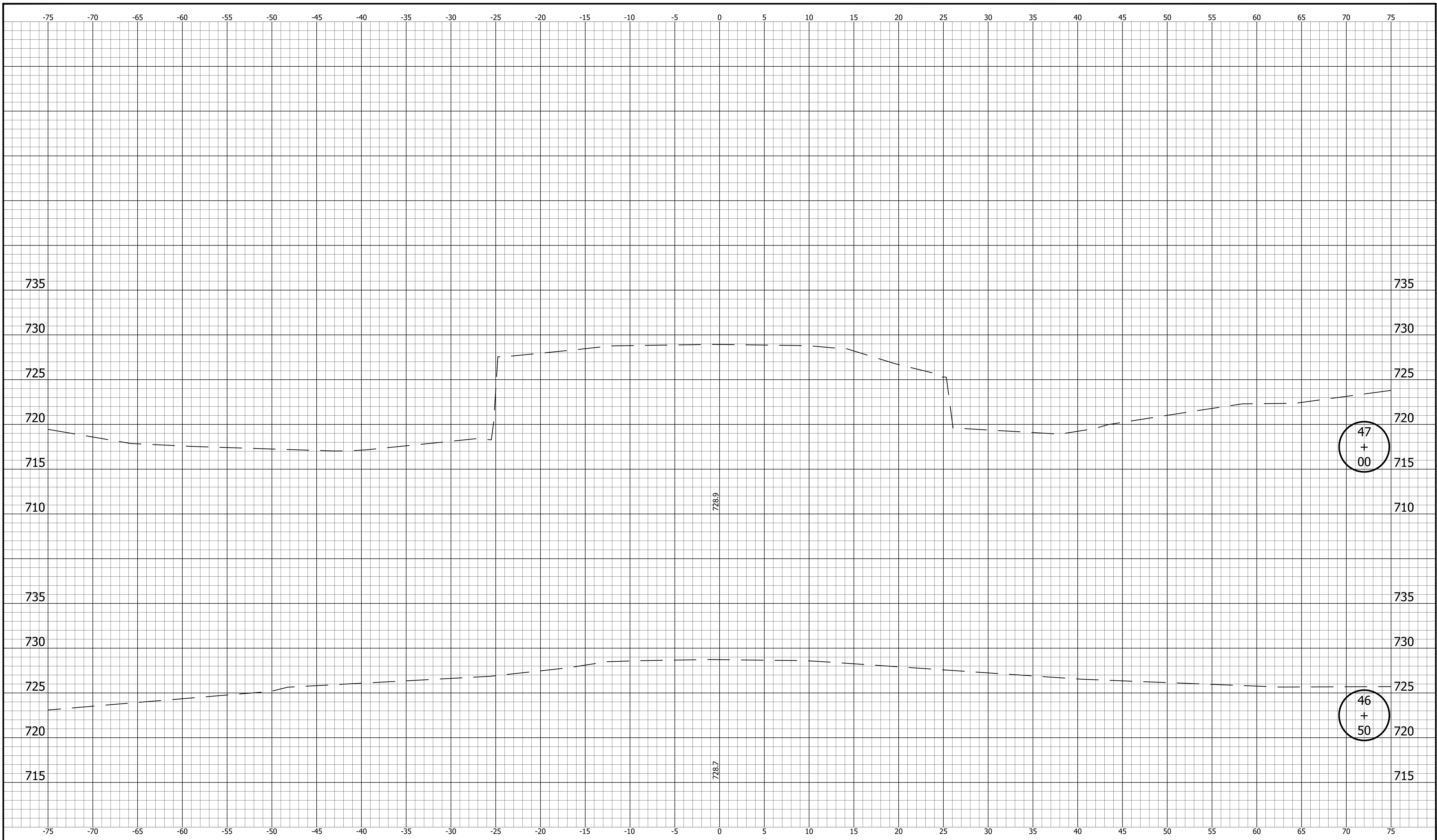
LEGEND	
(44) Parking Space Tick, Thermoplastic Solid, White, 4 in.	(48) Transverse Marking, Thermoplastic, Crosswalk Line, White, 24 in. (2' GAP)
(45) Transverse Marking, Thermoplastic, Stop Line, White, 24 in.	(49) Line, Thermoplastic, Broken, Yellow, 4 in.
(46) Line, Thermoplastic, Solid, White, 4 in.	PAVEMENT MESSAGE MARKING, THERMOPLASTIC
(47) Line, Thermoplastic, Solid, Yellow, 4 in.	PAVEMENT MESSAGE MARKING, THERMOPLASTIC

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: YZ	DRAWN: MRM	
CHECKED: JRS	CHECKED: JRS	

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
**PAVEMENT MARKING AND SIGNING DETAILS**  
**STA. 97+50 TO 100+00 LINE "C"**

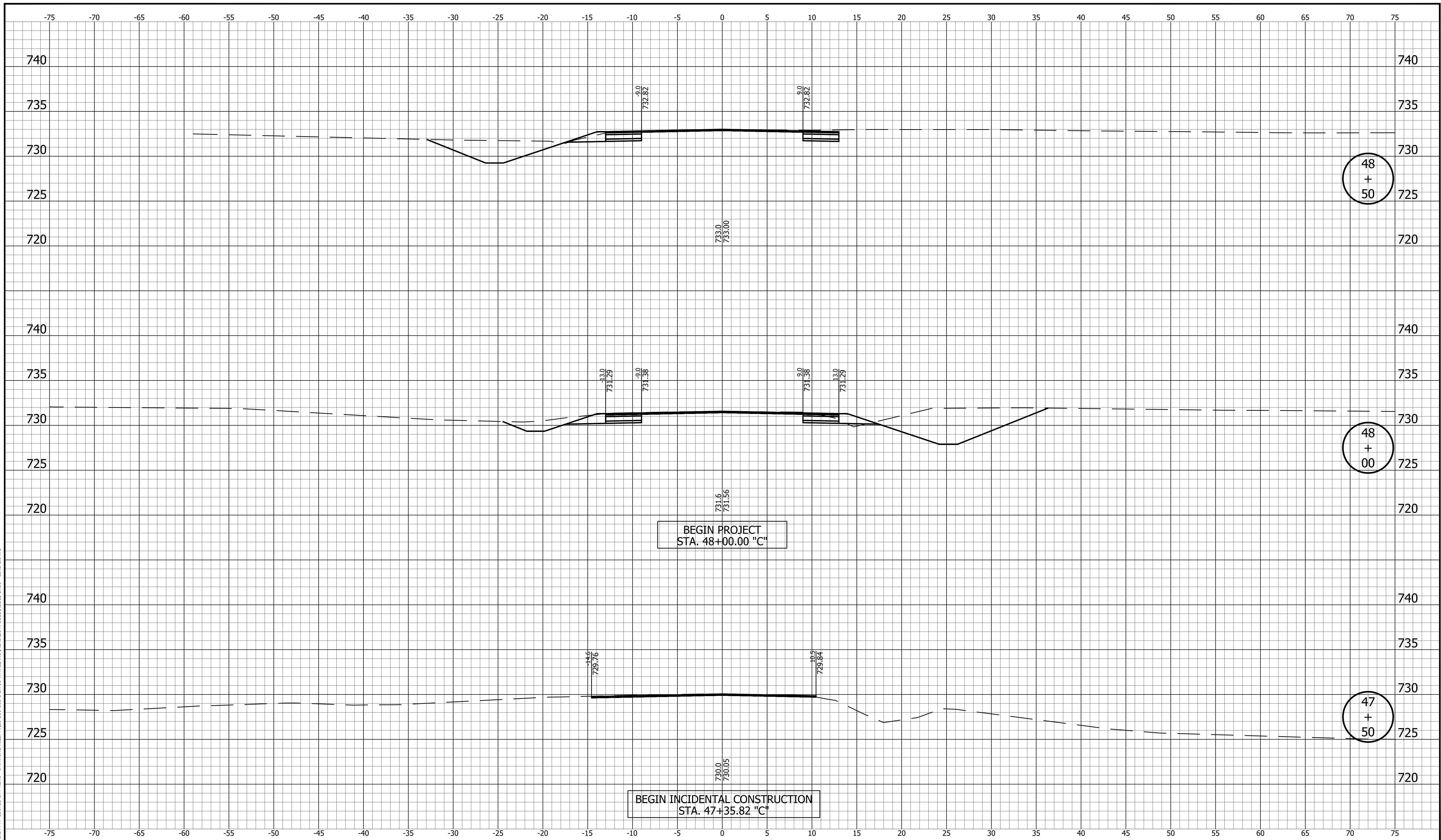
HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 1593272
SURVEY BOOK	SHEET 34 of 94
CONTRACT RS-39363	PROJECT 1593272

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		<b>INDIANA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1"=5'</td> <td></td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1"=5'</td> <td>1593272</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>35 of 94</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>RS-39363</td> <td>1593272</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1"=5'		VERTICAL SCALE	DESIGNATION	1"=5'	1593272	SURVEY BOOK	SHEET		35 of 94	CONTRACT	PROJECT	RS-39363	1593272
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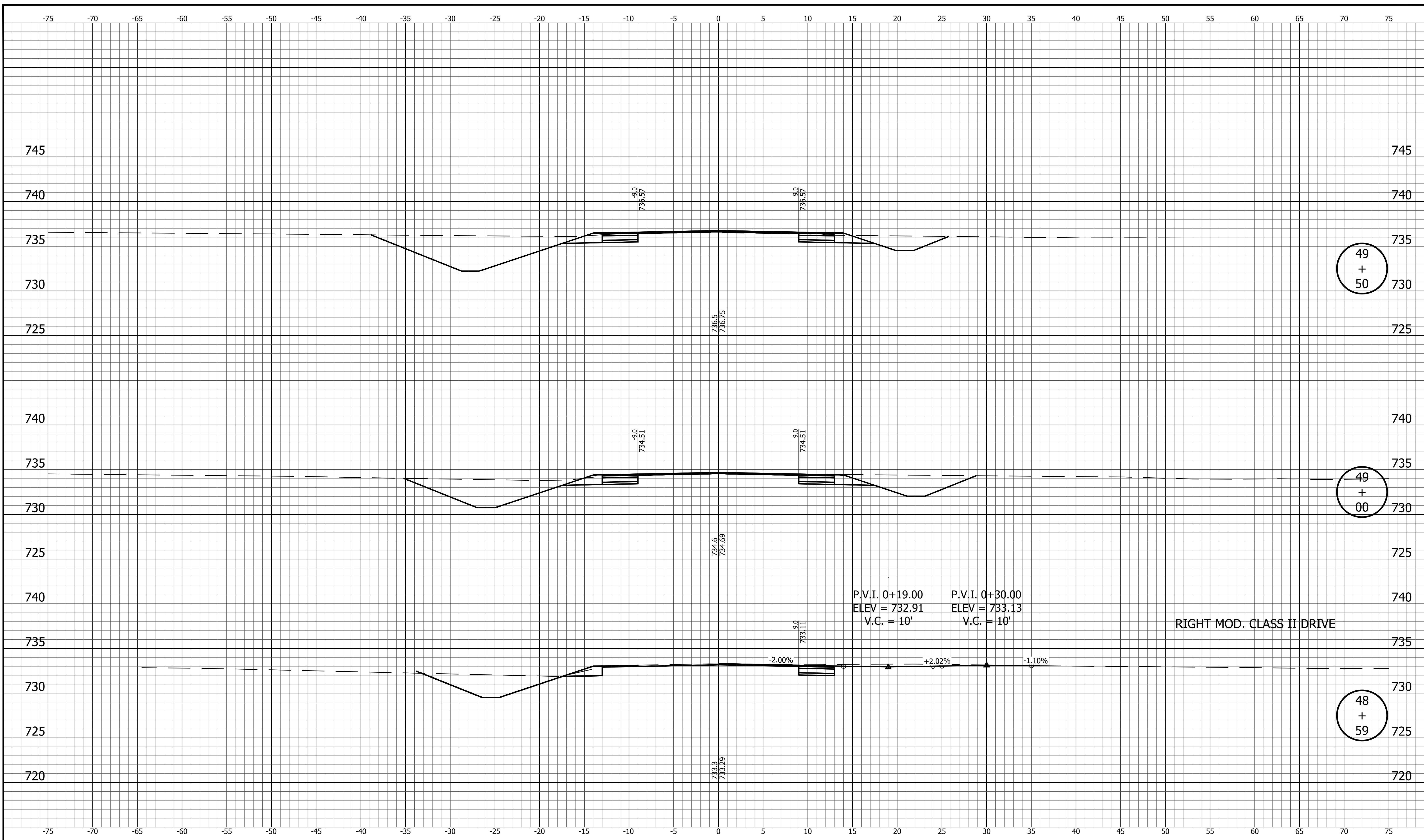
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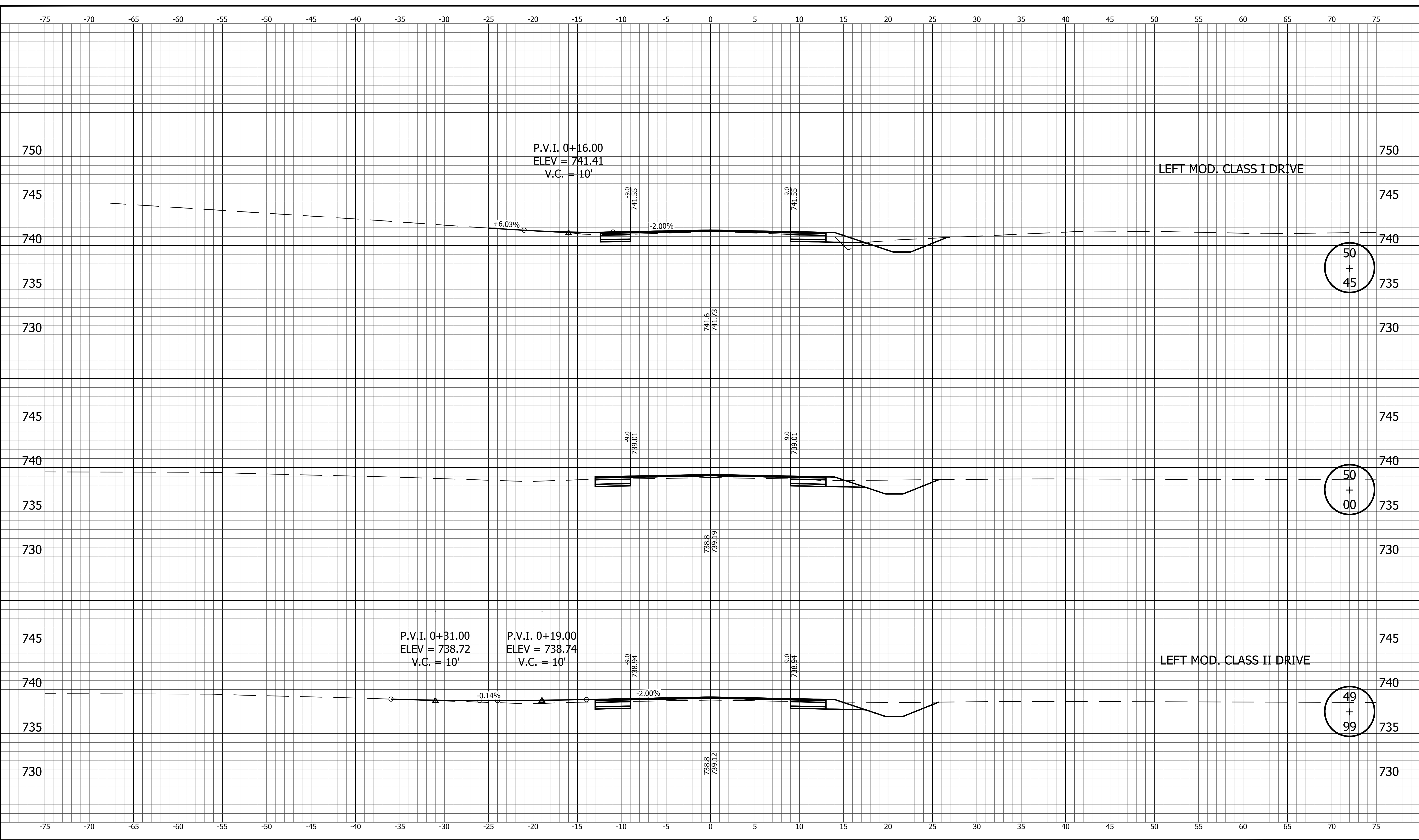


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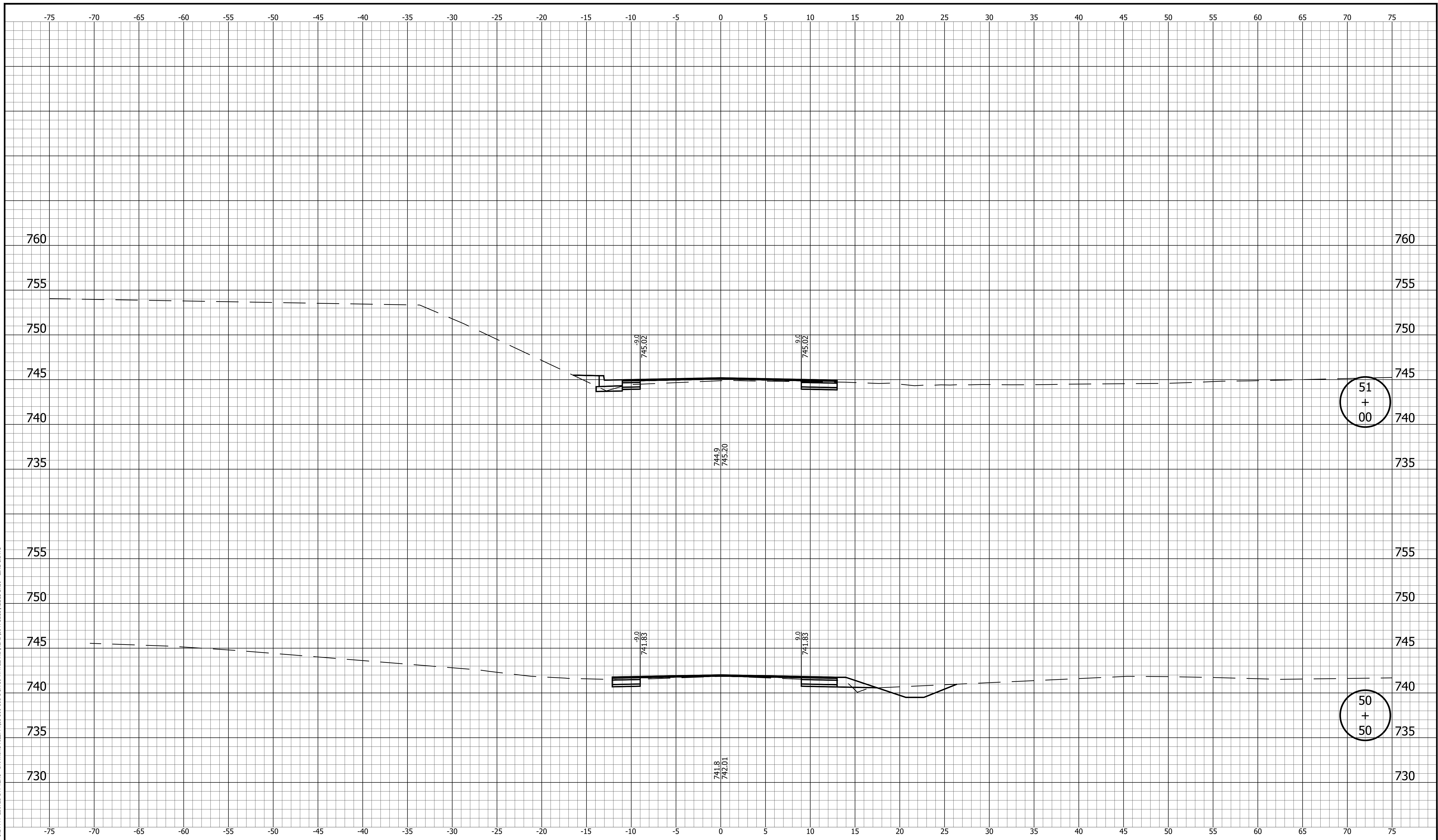
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SURVEY BOOK	SHEET 37 of 94
CONTRACT RS-39363	PROJECT 1593272

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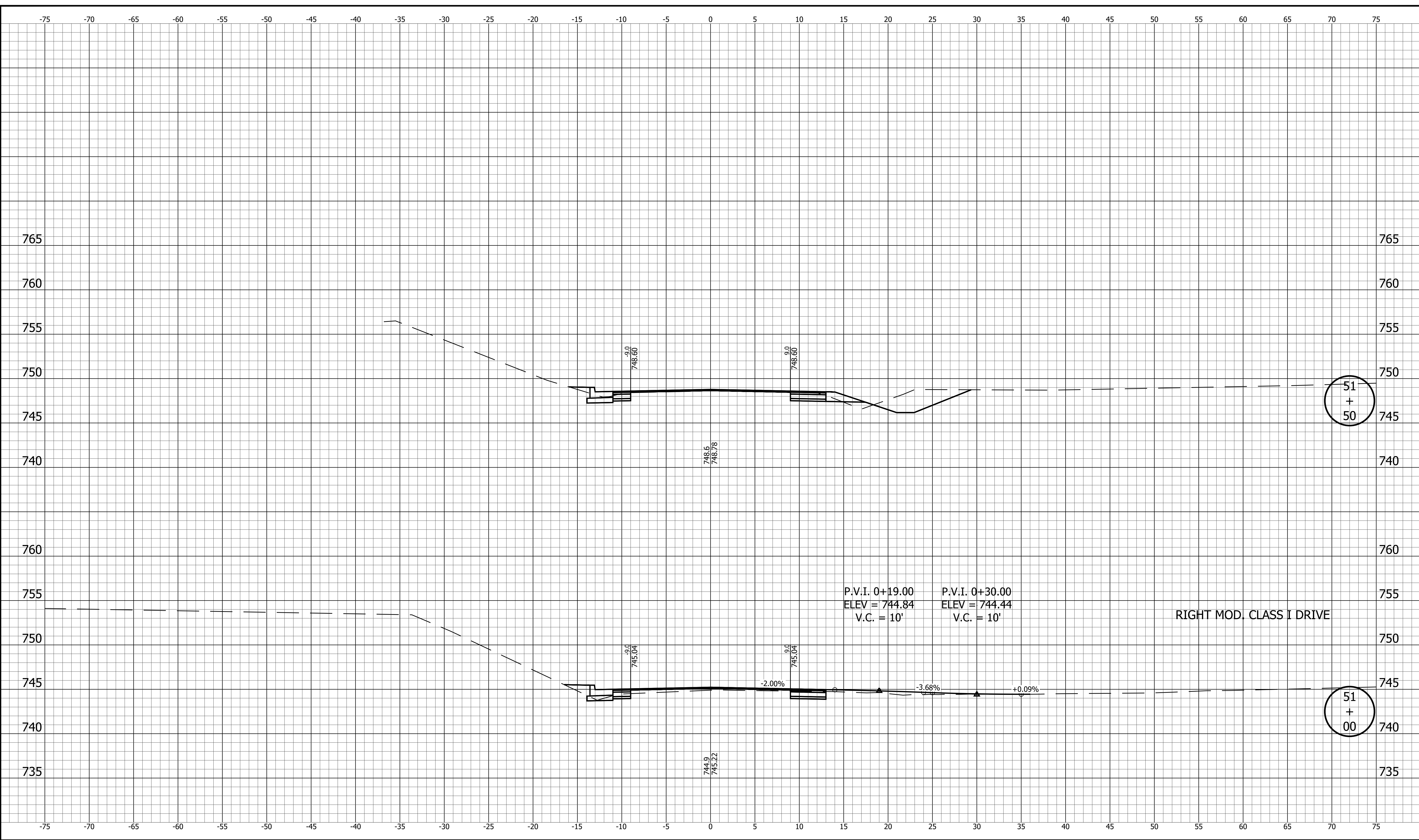
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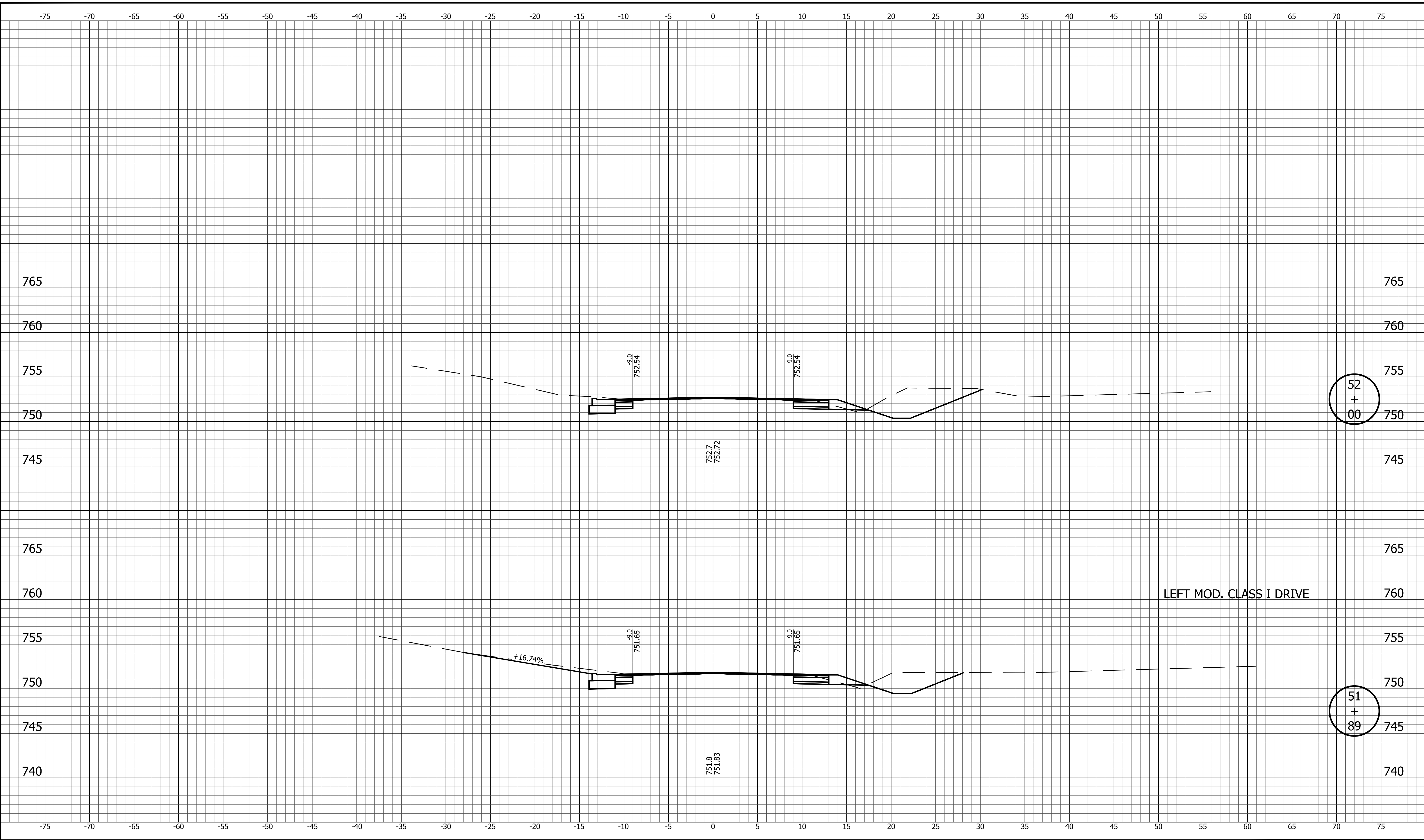
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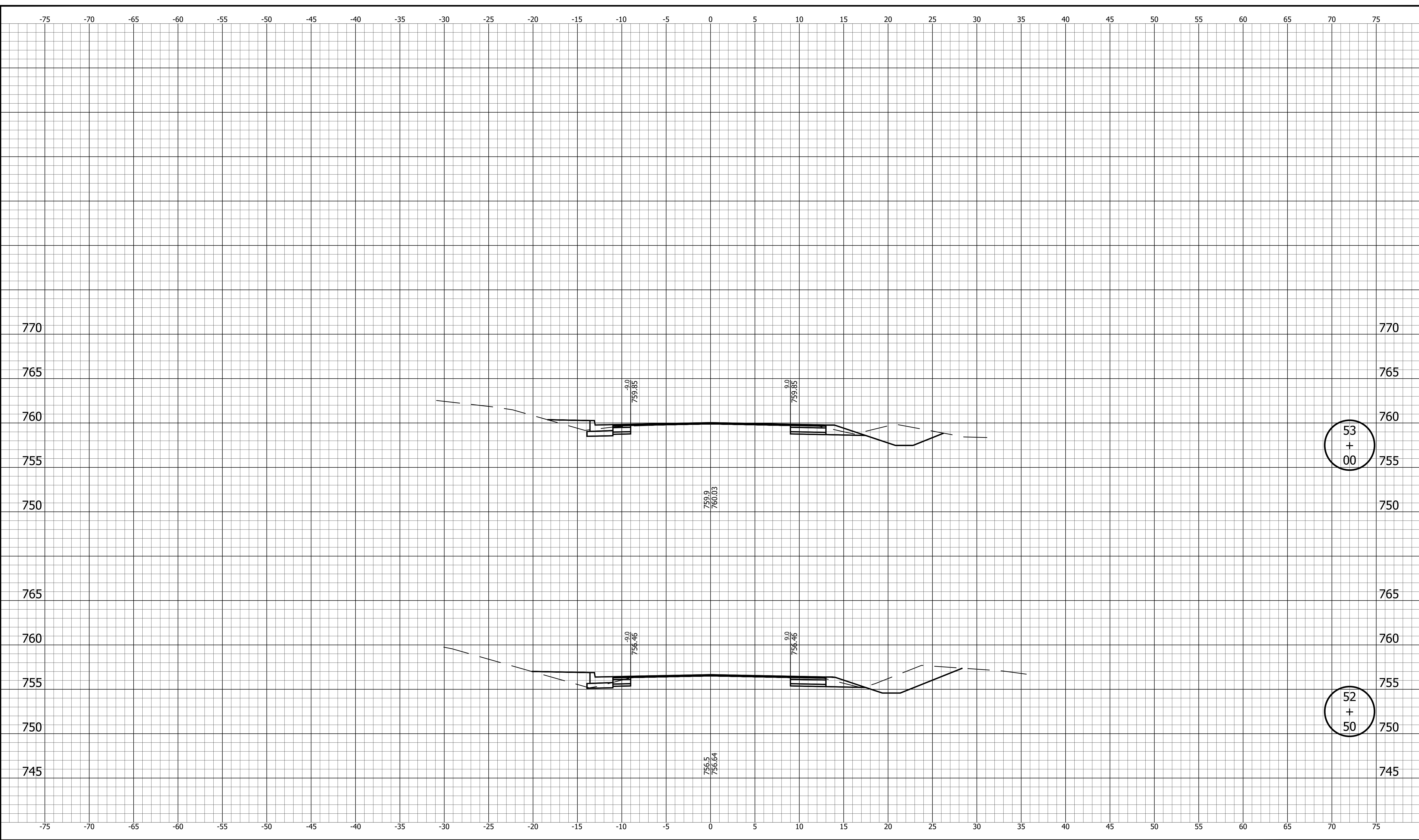
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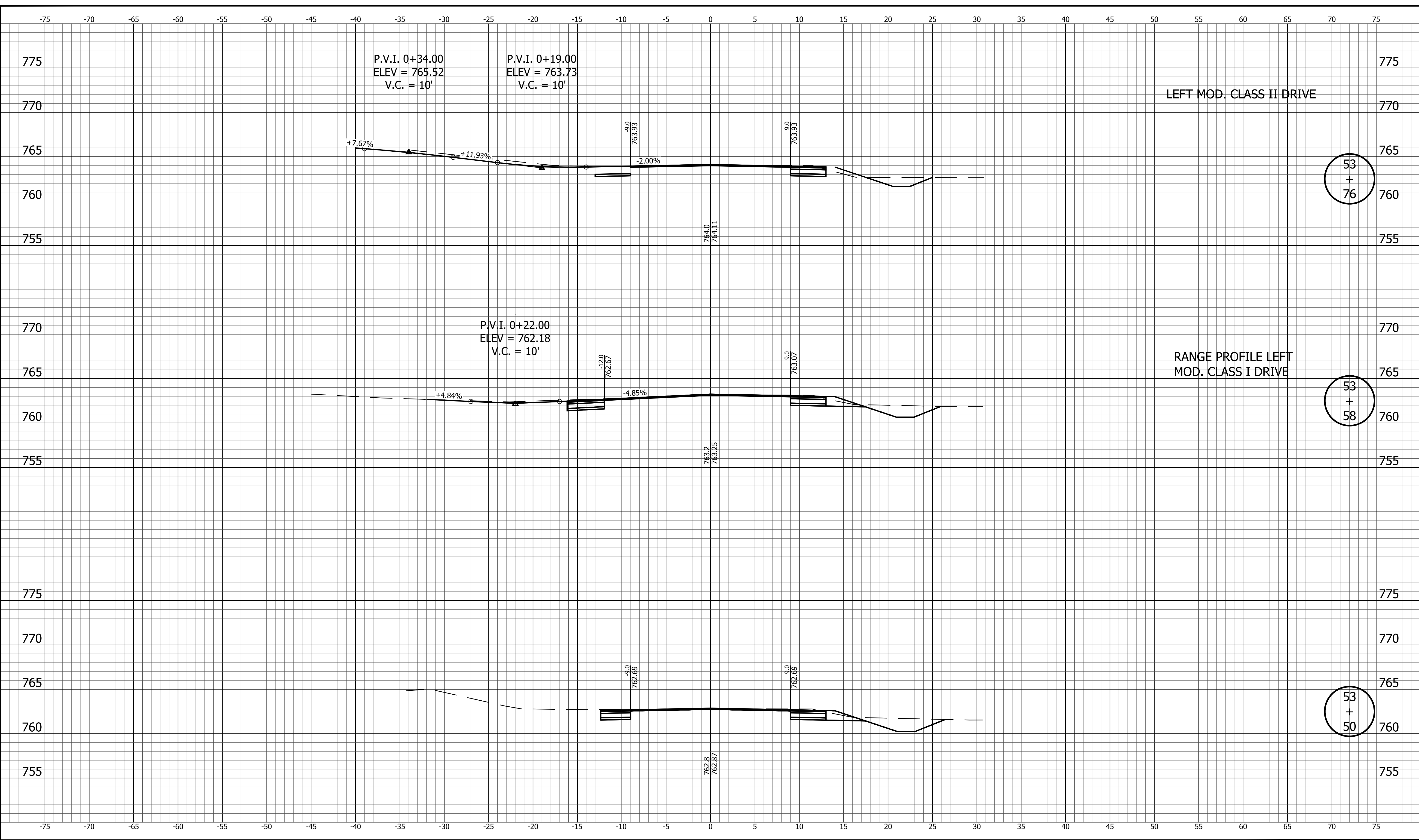
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CONTRACT RS-39363	PROJECT 1593272

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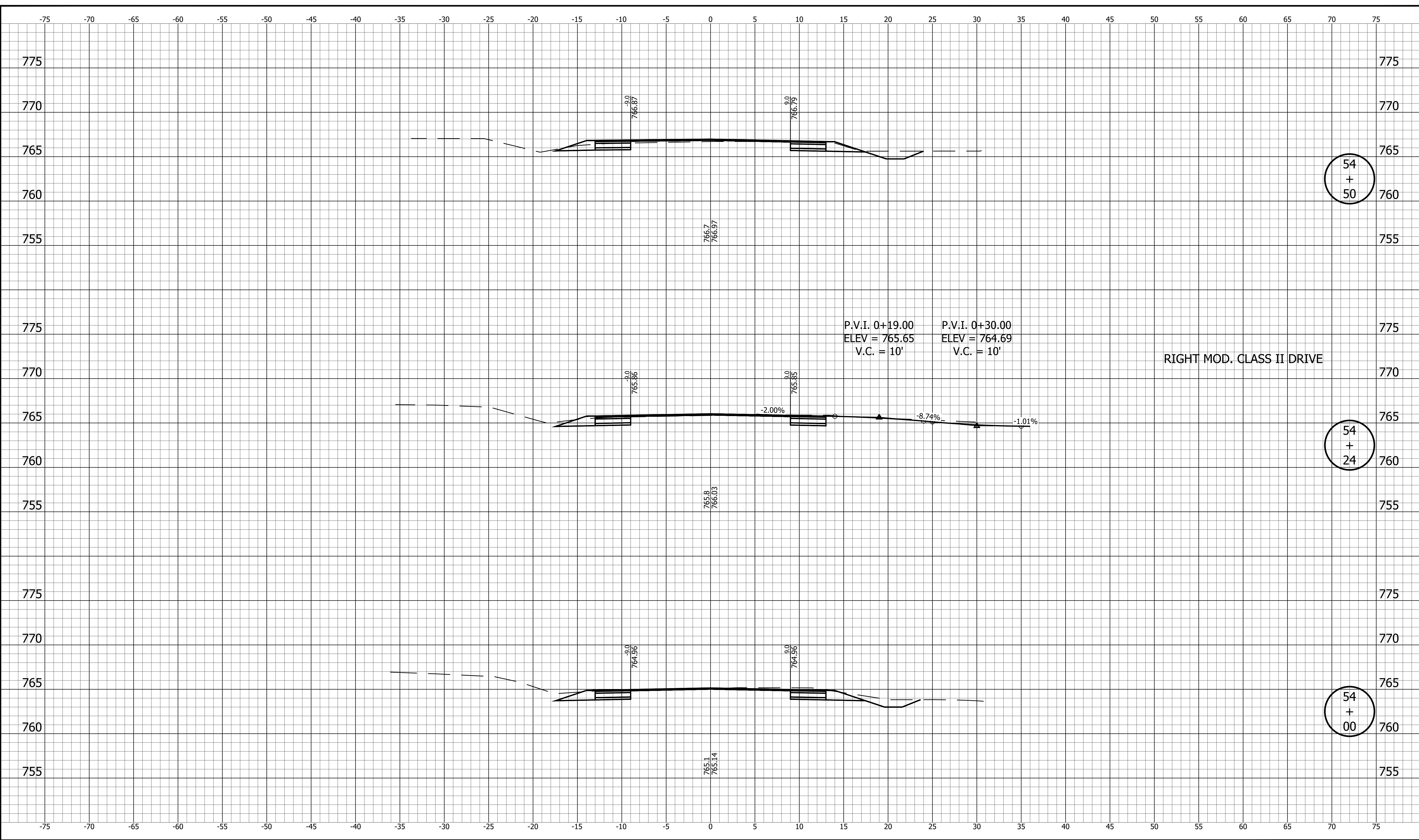
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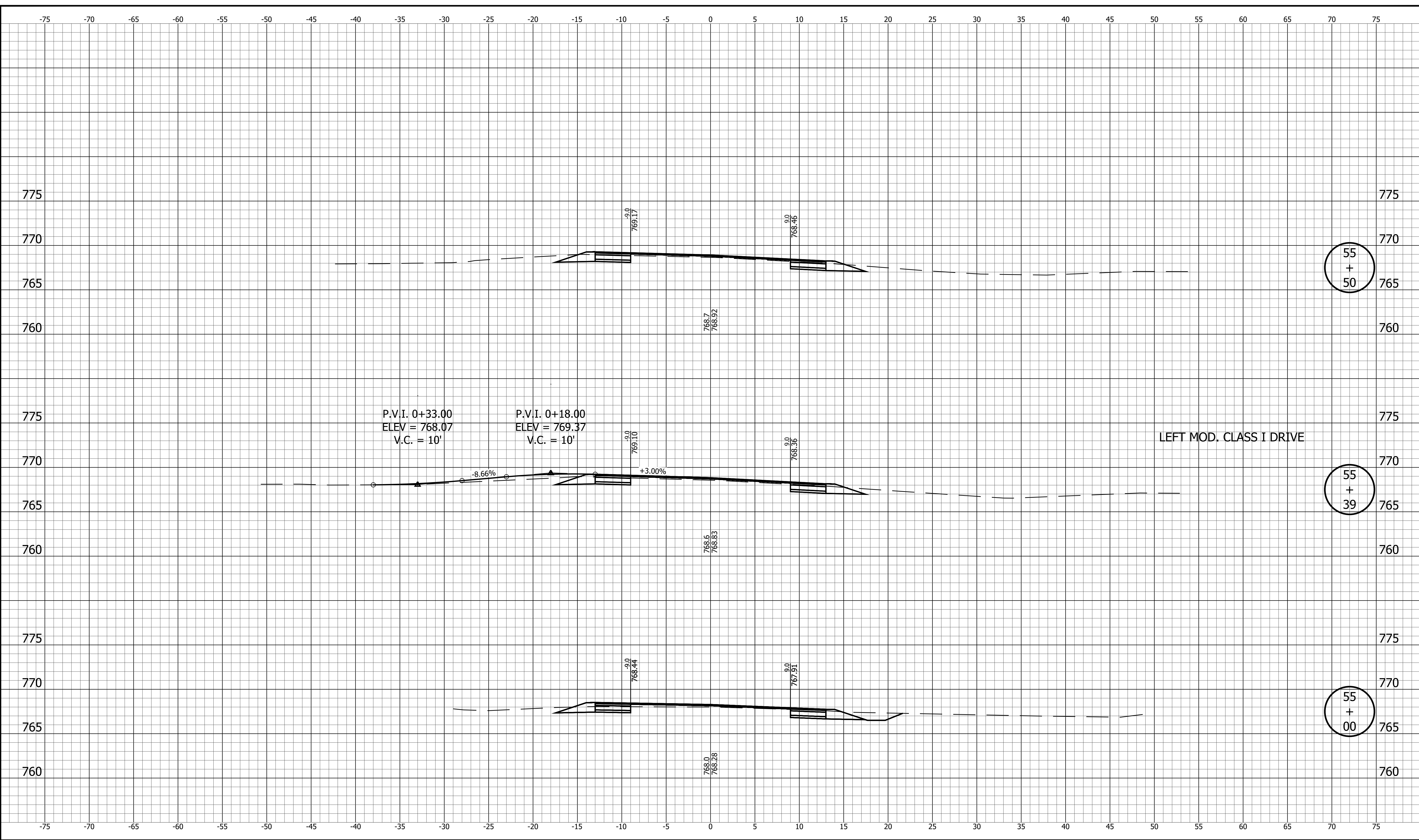
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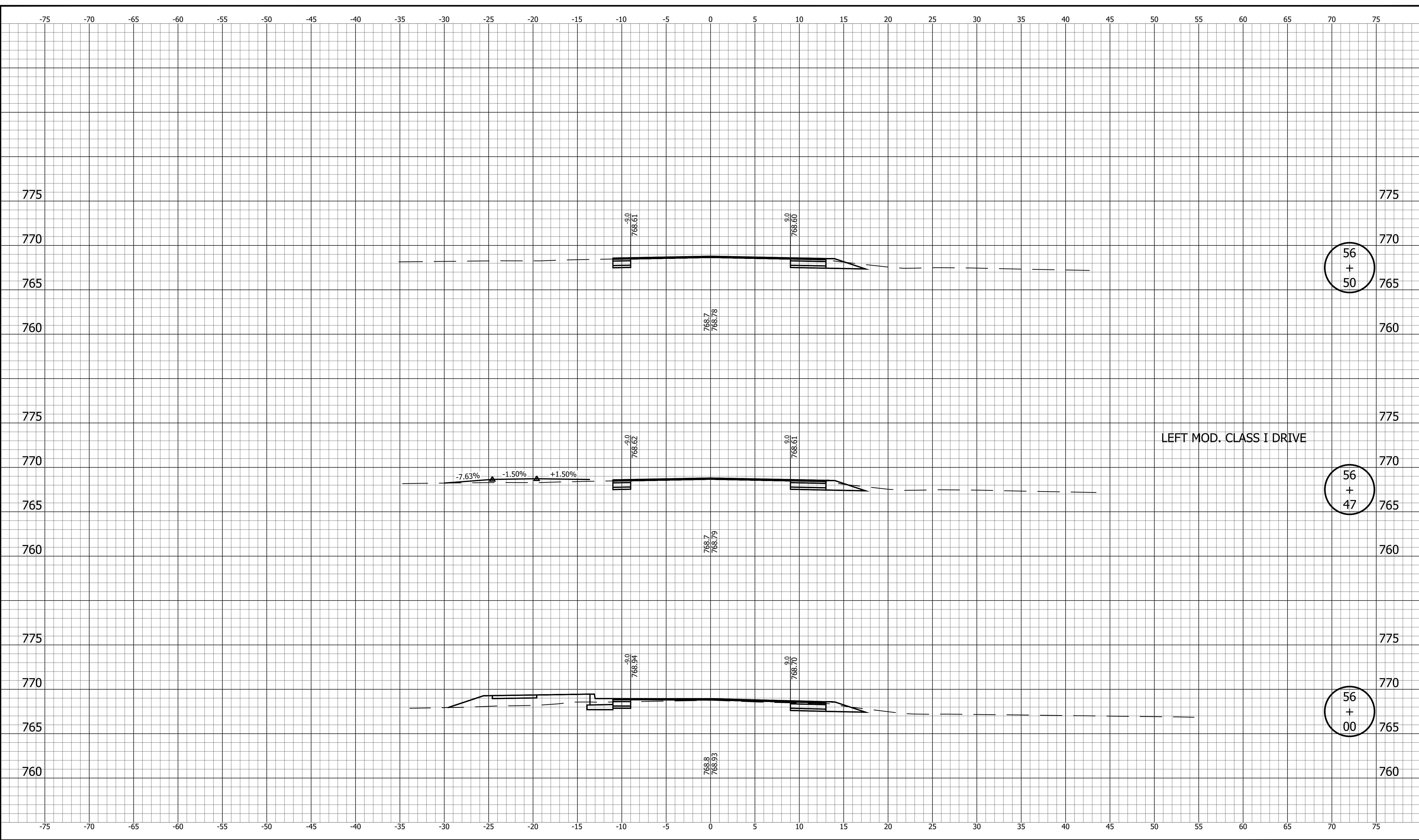


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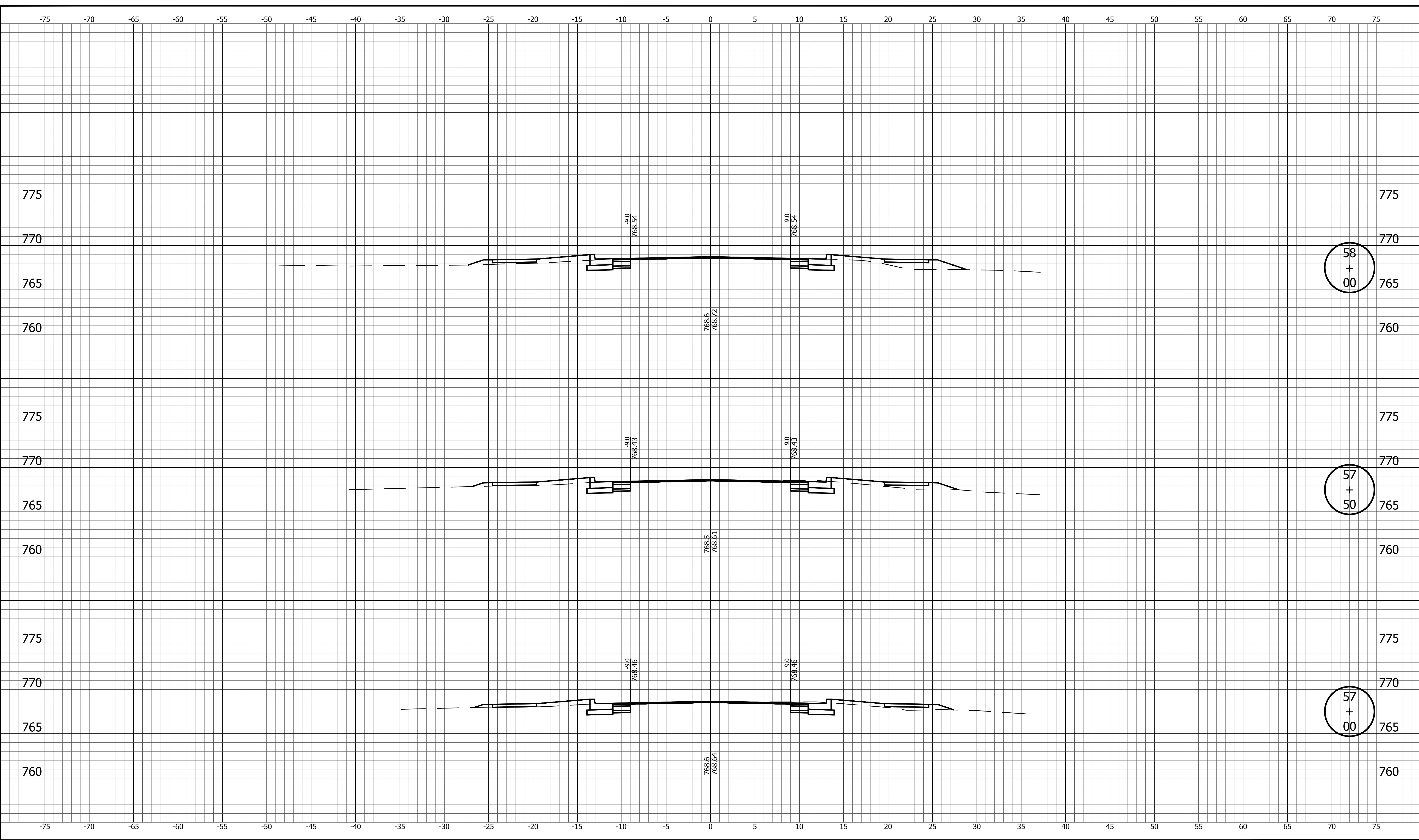
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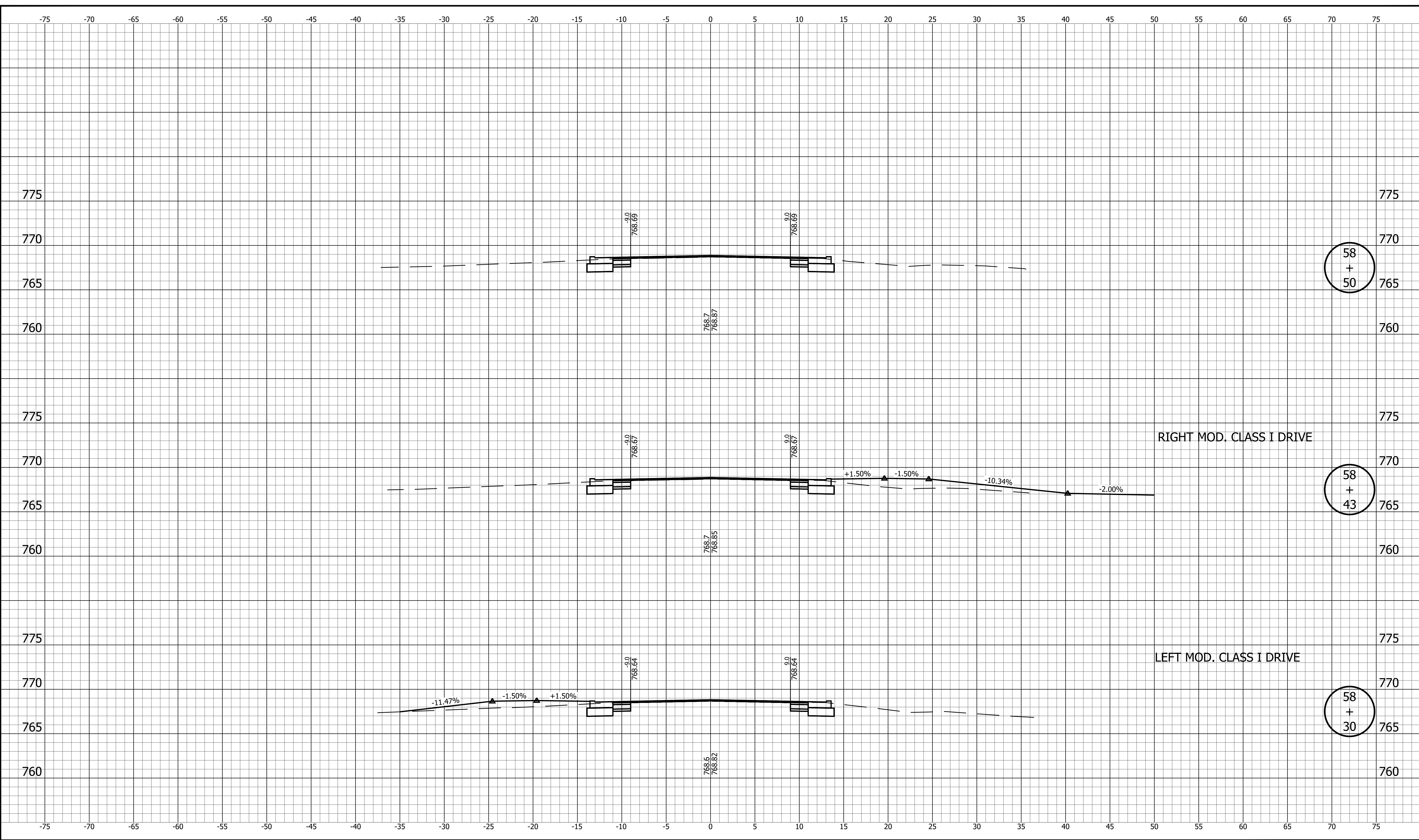
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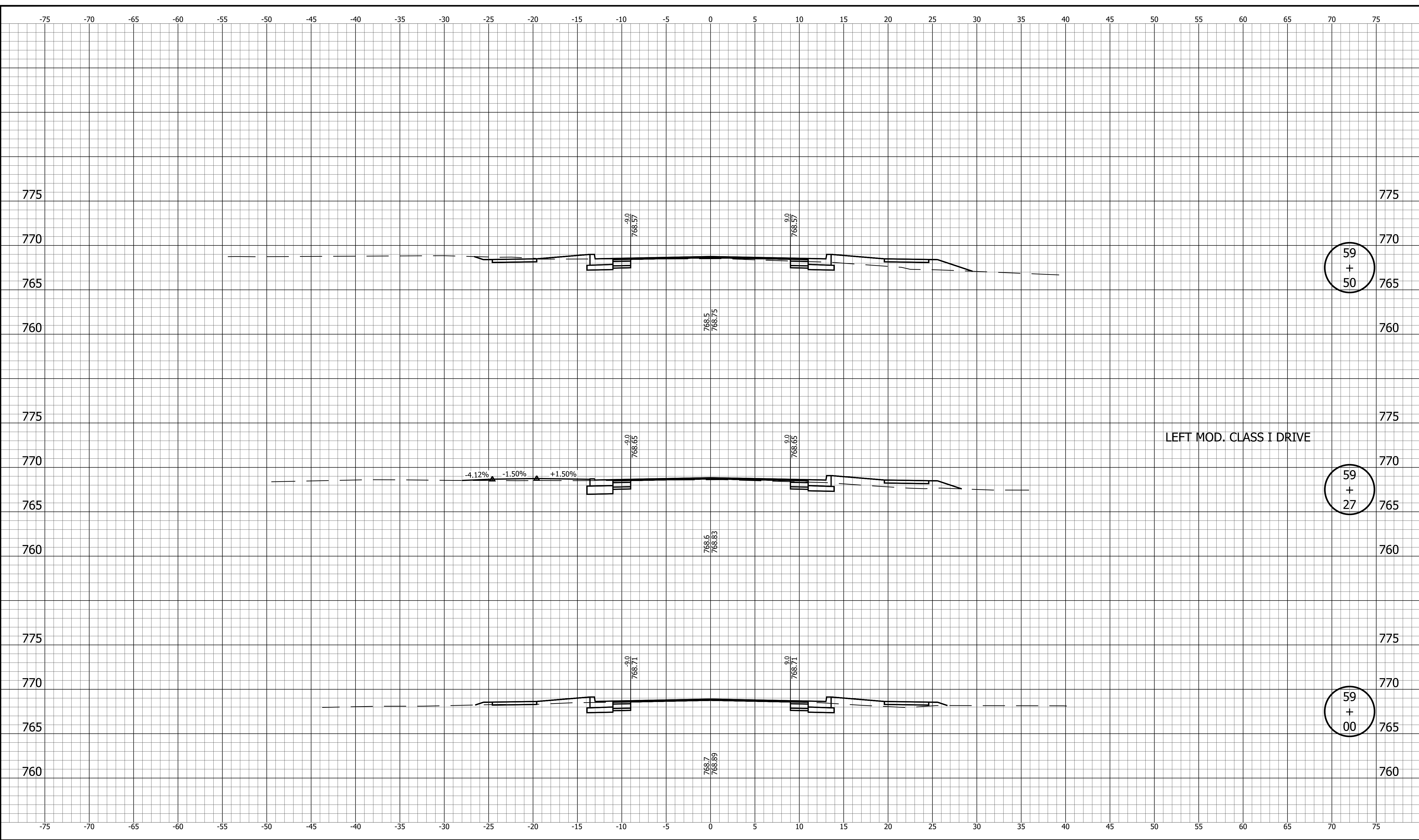
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		<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1"=5'</td> <td></td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1"=5'</td> <td>1593272</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>48 of 94</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>RS-39363</td> <td>1593272</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1"=5'		VERTICAL SCALE	DESIGNATION	1"=5'	1593272	SURVEY BOOK	SHEET		48 of 94	CONTRACT	PROJECT	RS-39363	1593272
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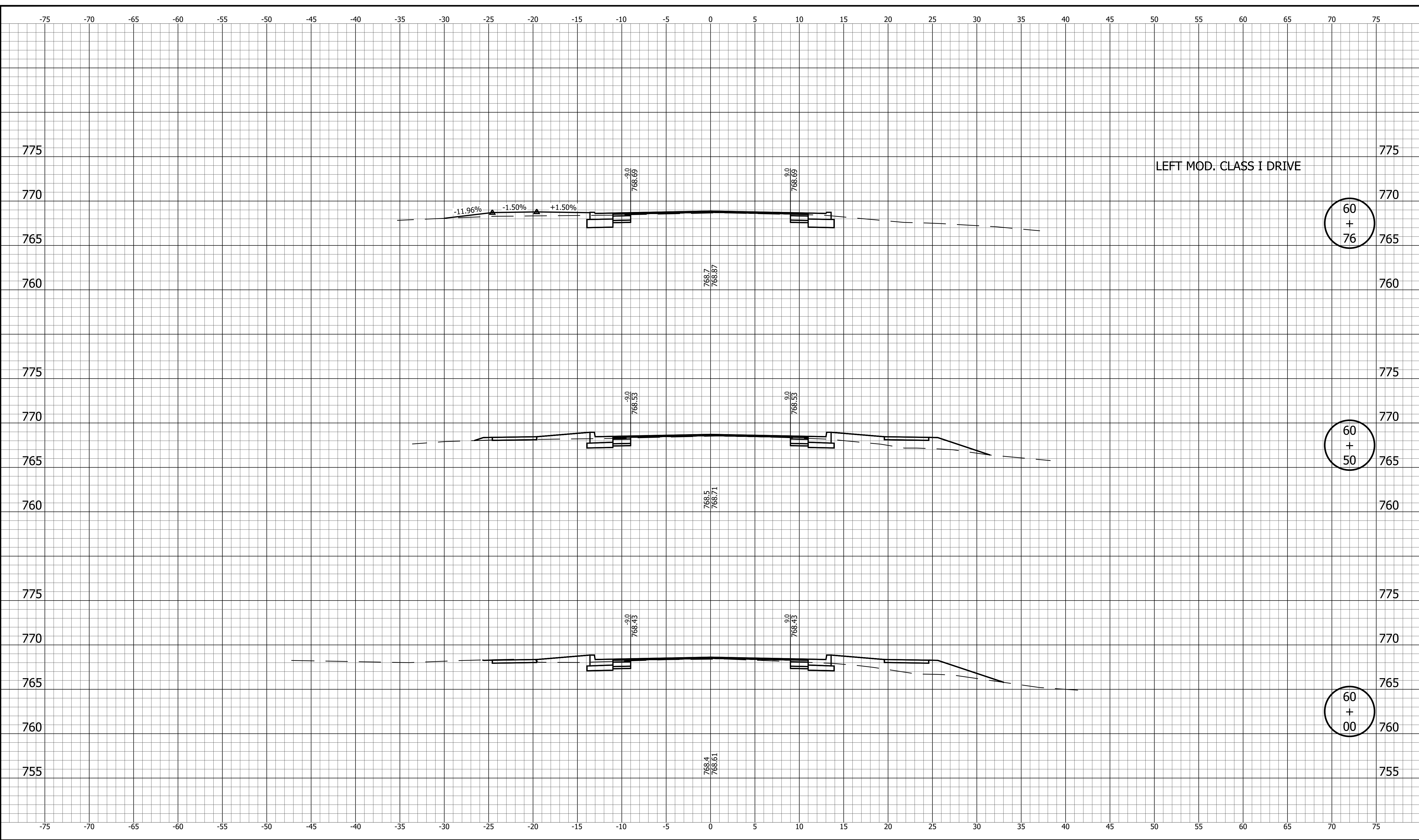


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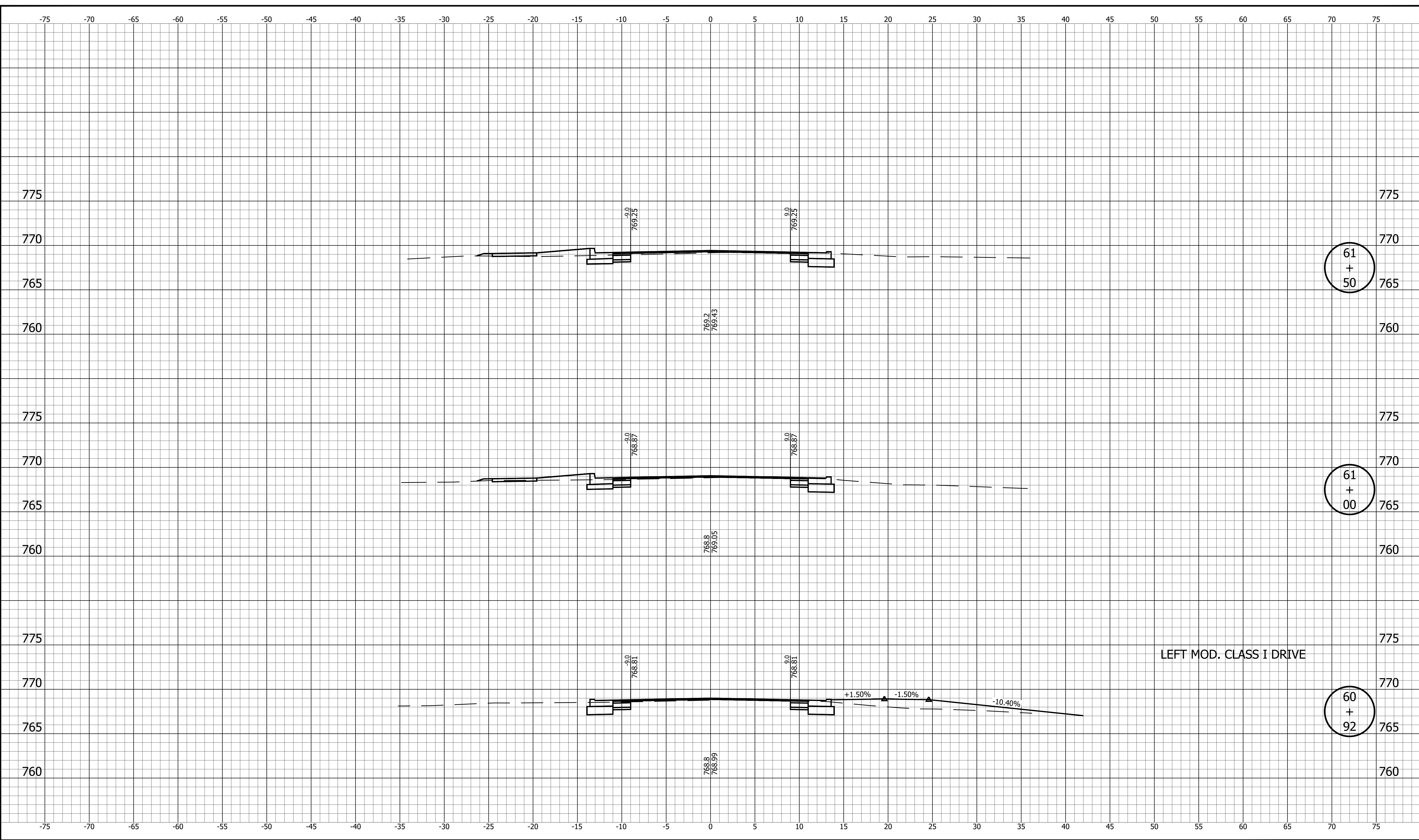
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		VERTICAL SCALE 1"=5'	DESIGNATION 1593272
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		CONTRACT RS-39363	PROJECT 1593272

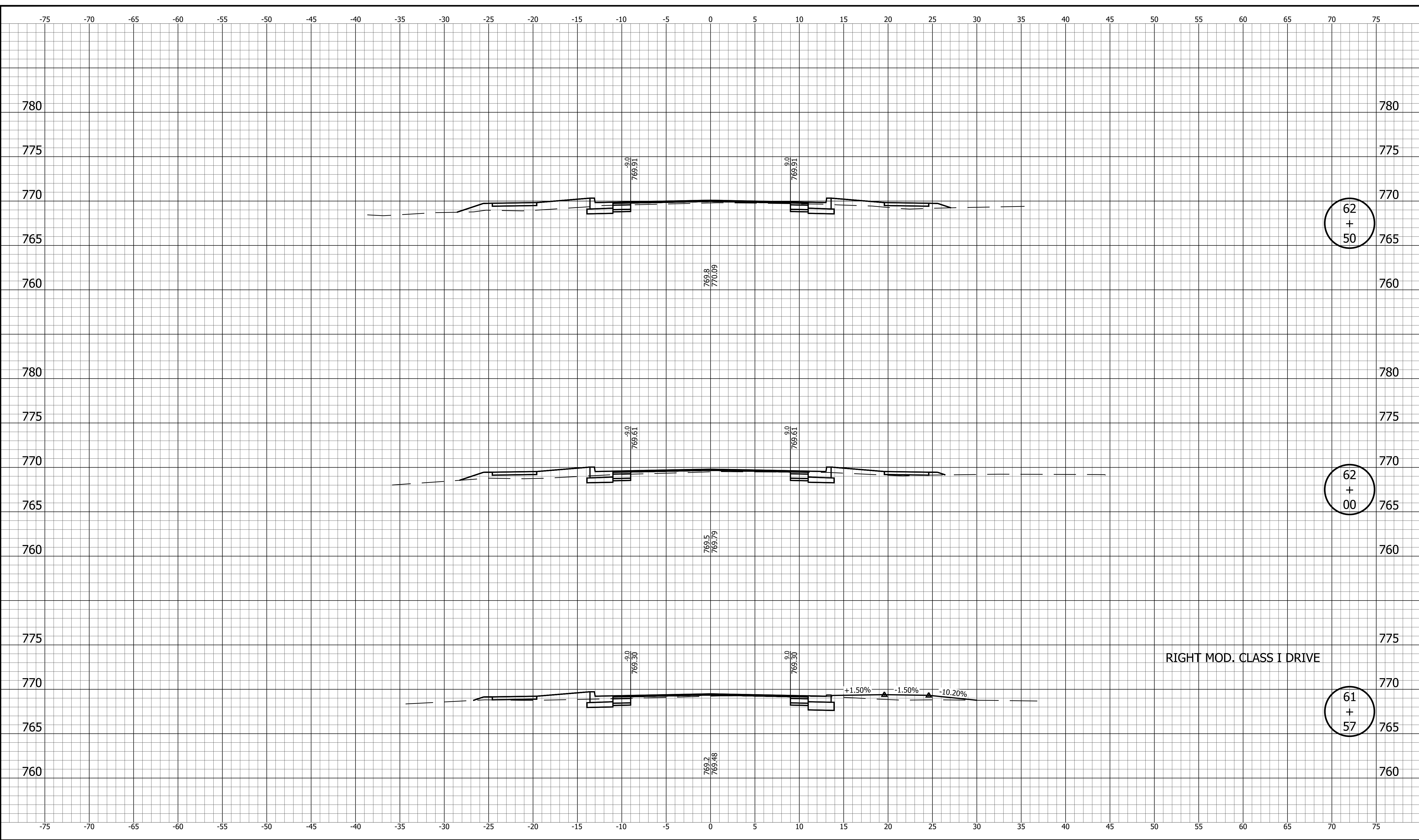
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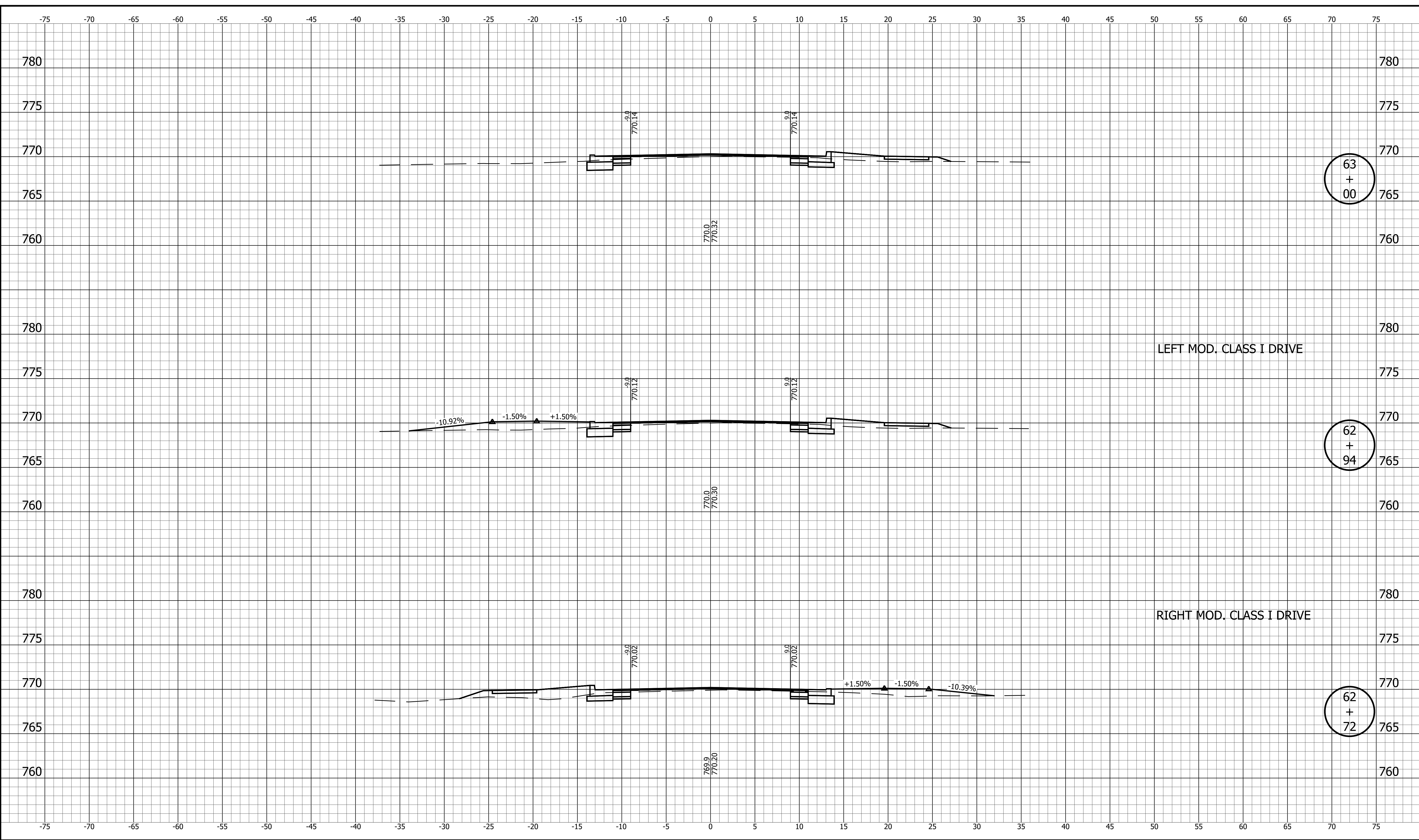
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	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1"=5'</td> <td></td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1"=5'</td> <td>1593272</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>52 of 94</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>RS-39363</td> <td>1593272</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1"=5'		VERTICAL SCALE	DESIGNATION	1"=5'	1593272	SURVEY BOOK	SHEET		52 of 94	CONTRACT	PROJECT	RS-39363	1593272
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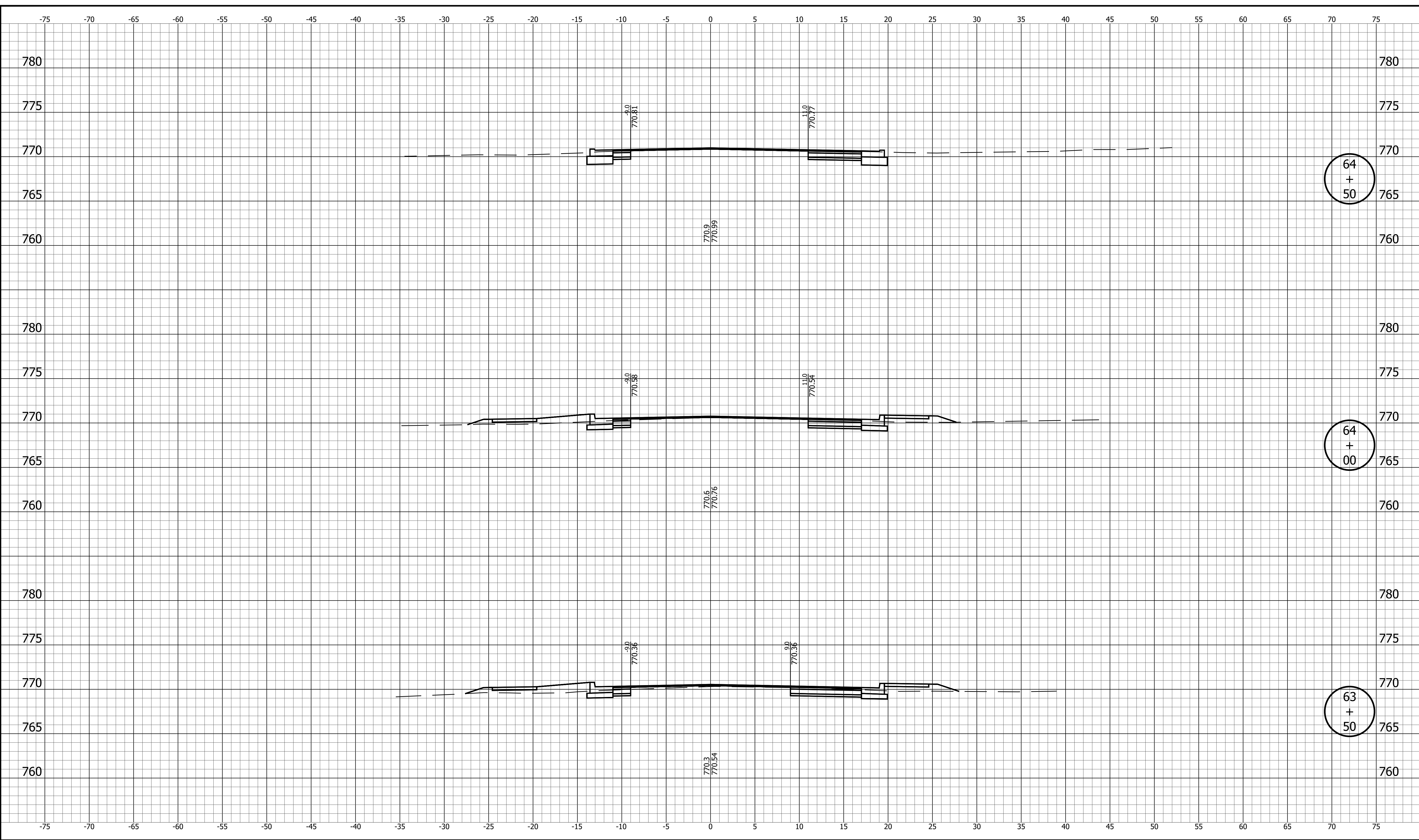


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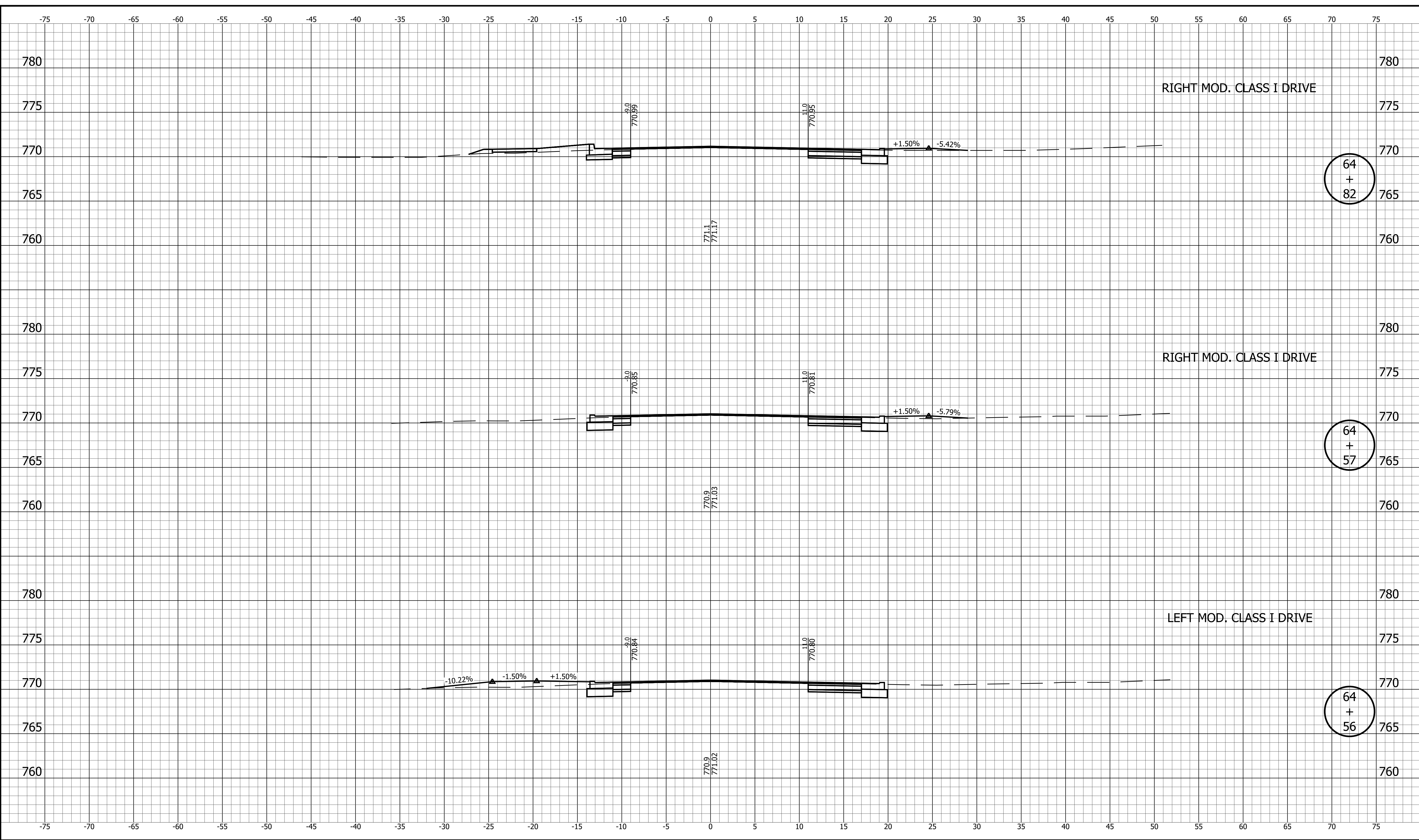
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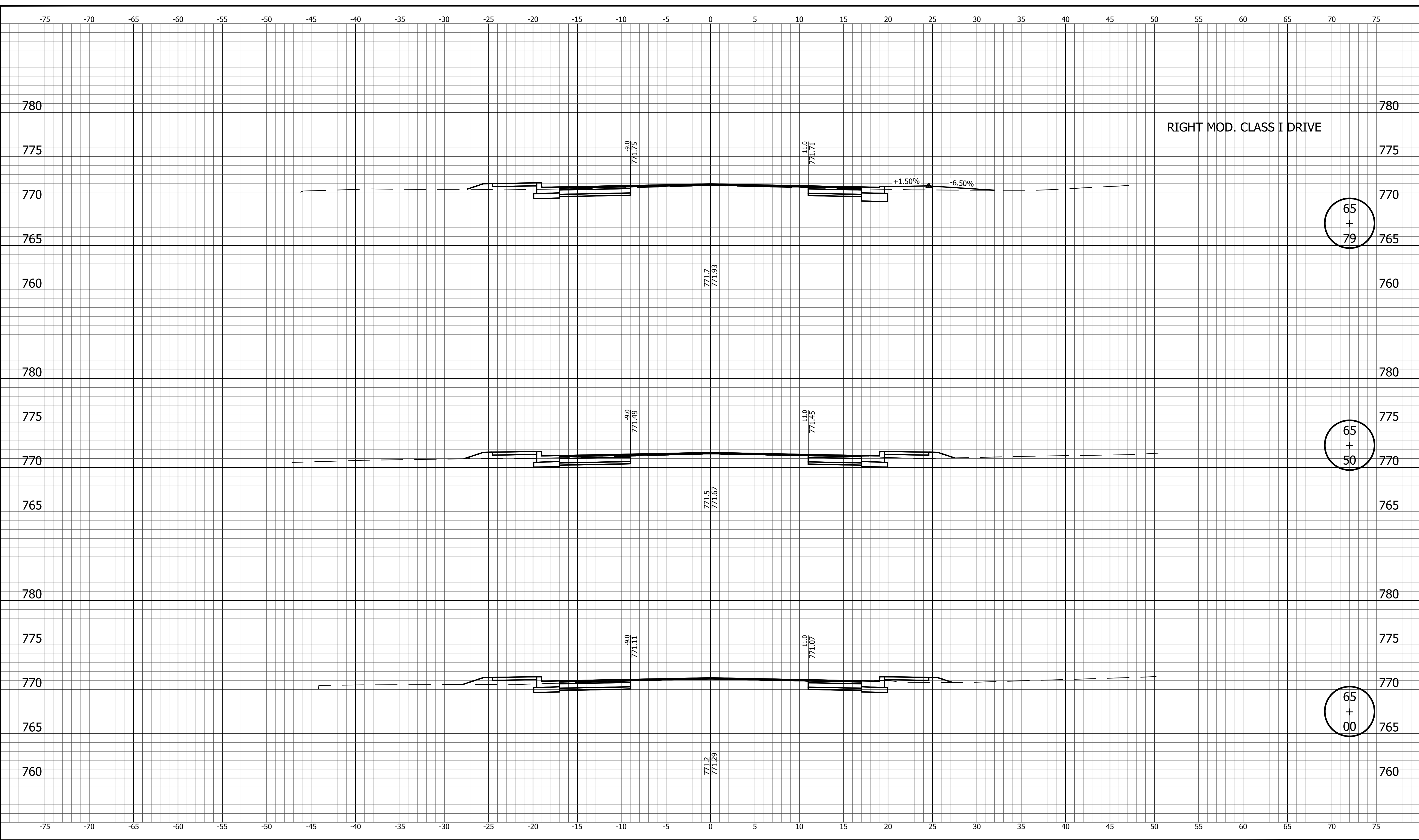
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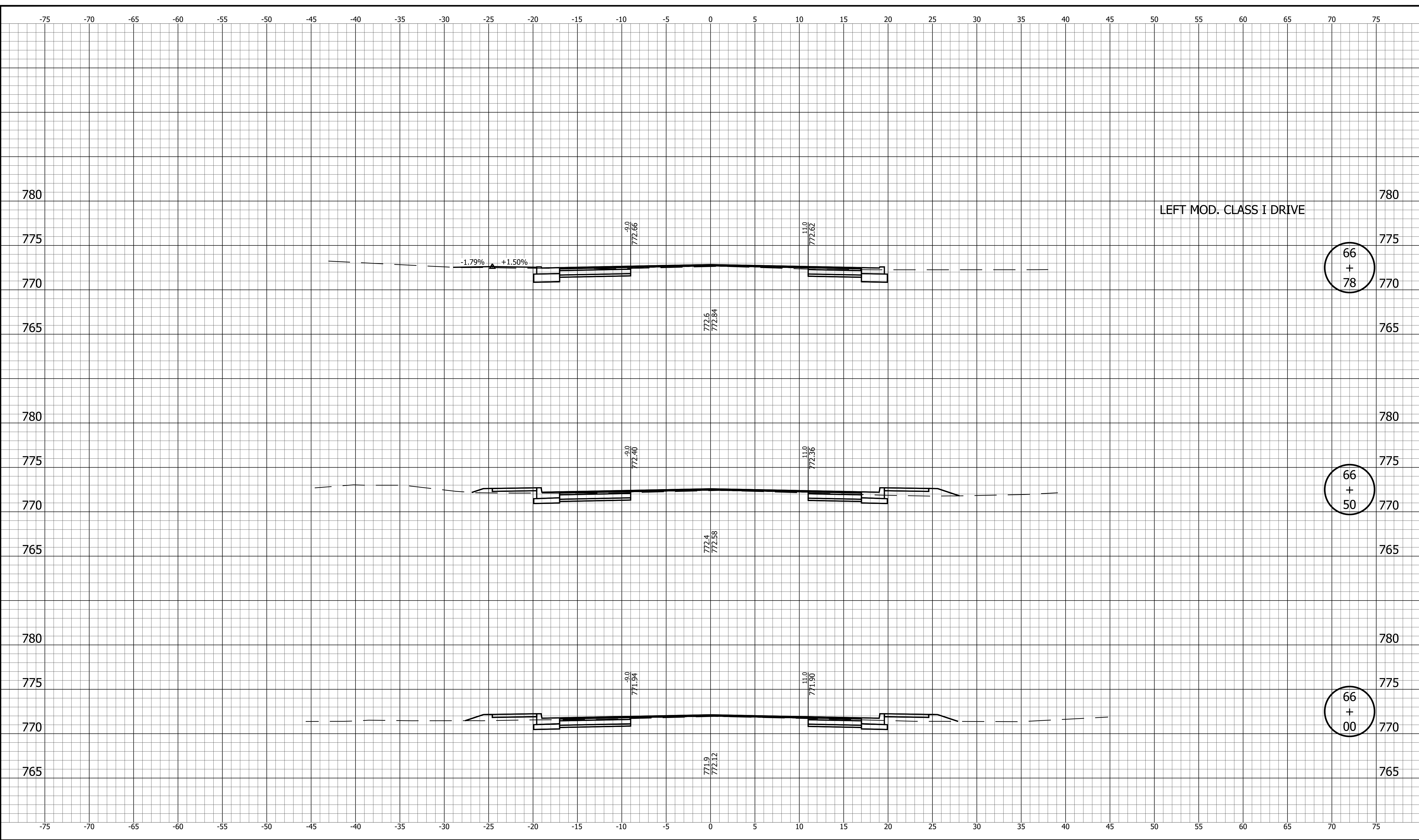
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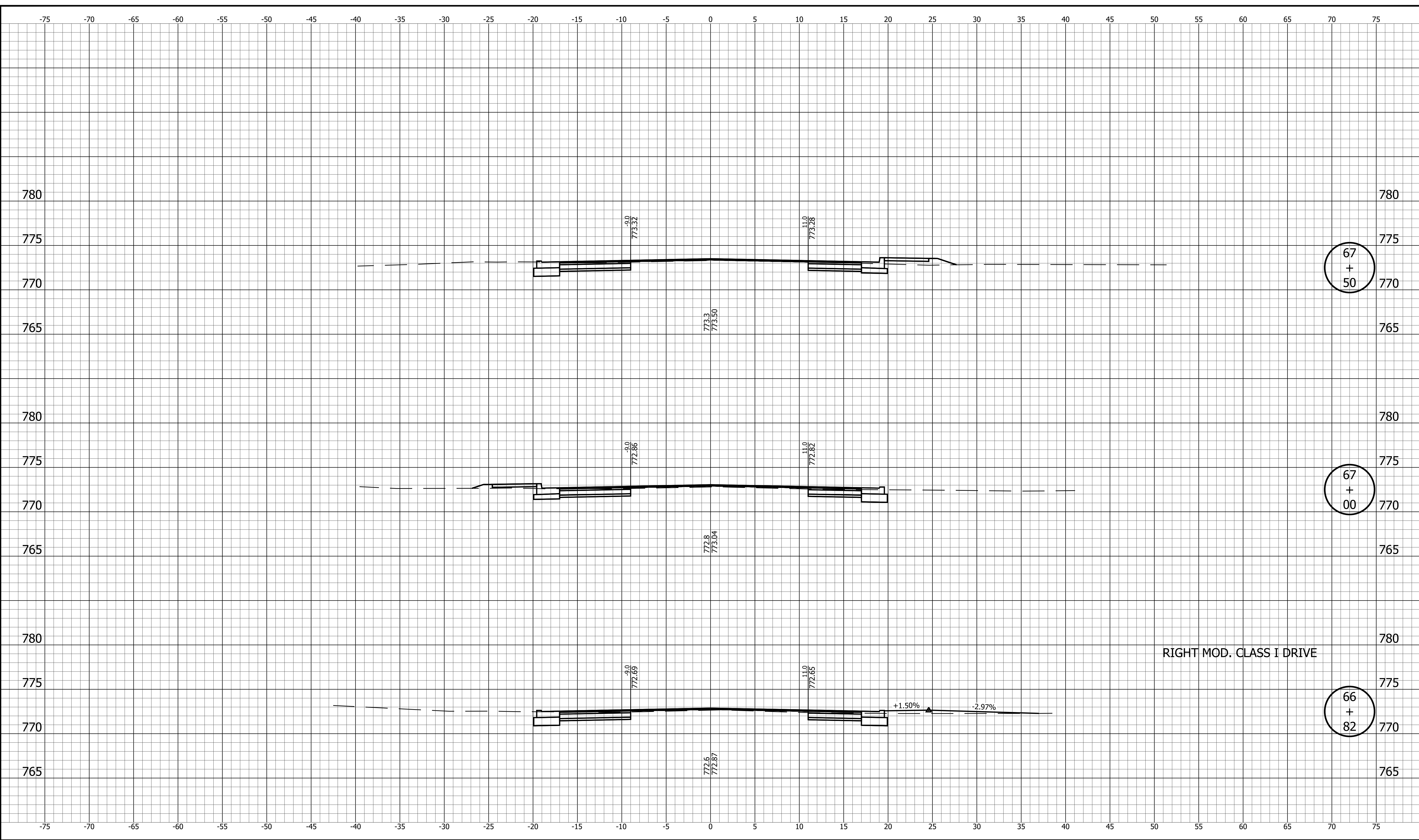
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		<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE 1"=5' VERTICAL SCALE 1"=5' BRIDGE FILE DESIGNATION 1593272
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	<b>CROSS SECTIONS LINE "C"</b>		SURVEY BOOK SHEET 57 of 94
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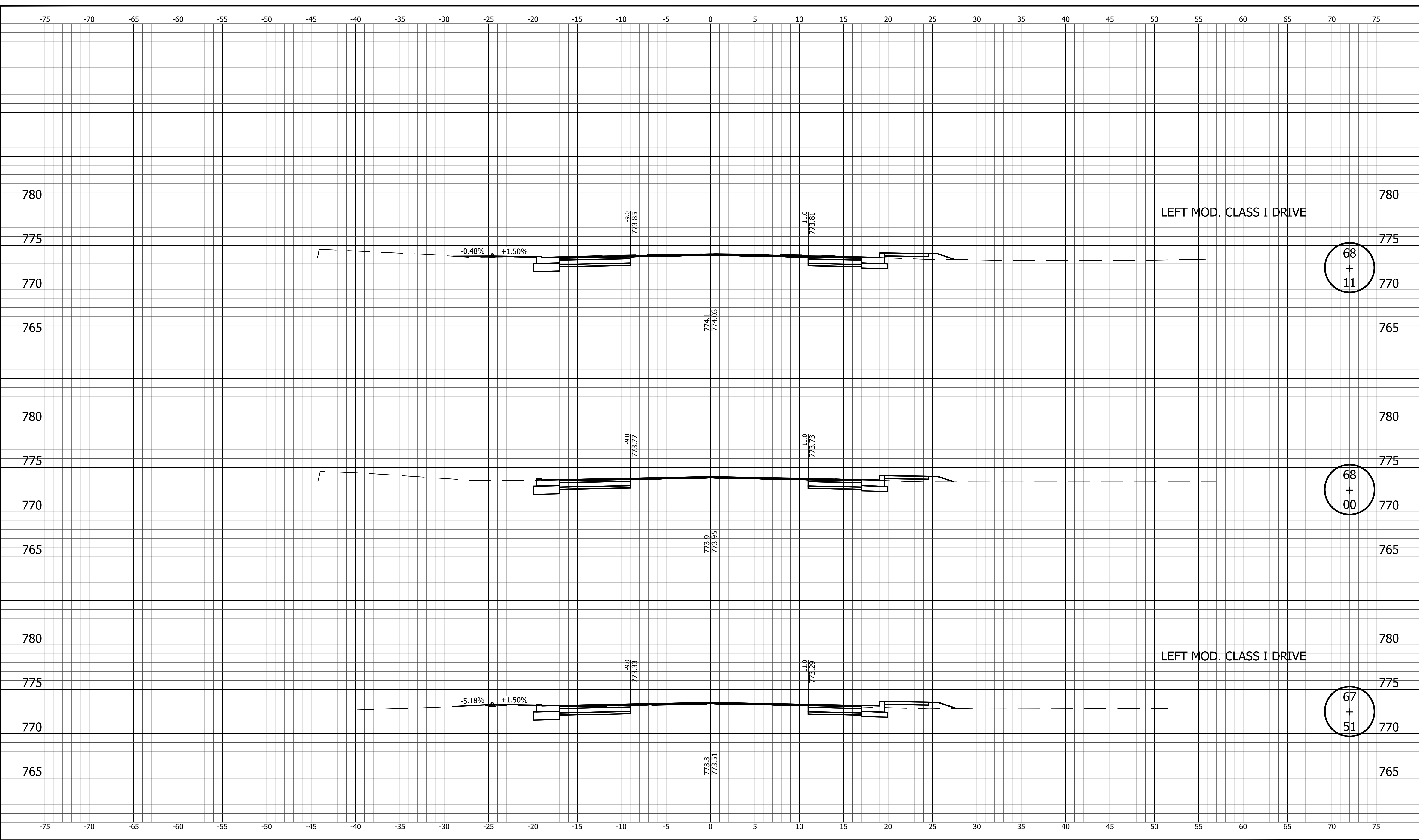


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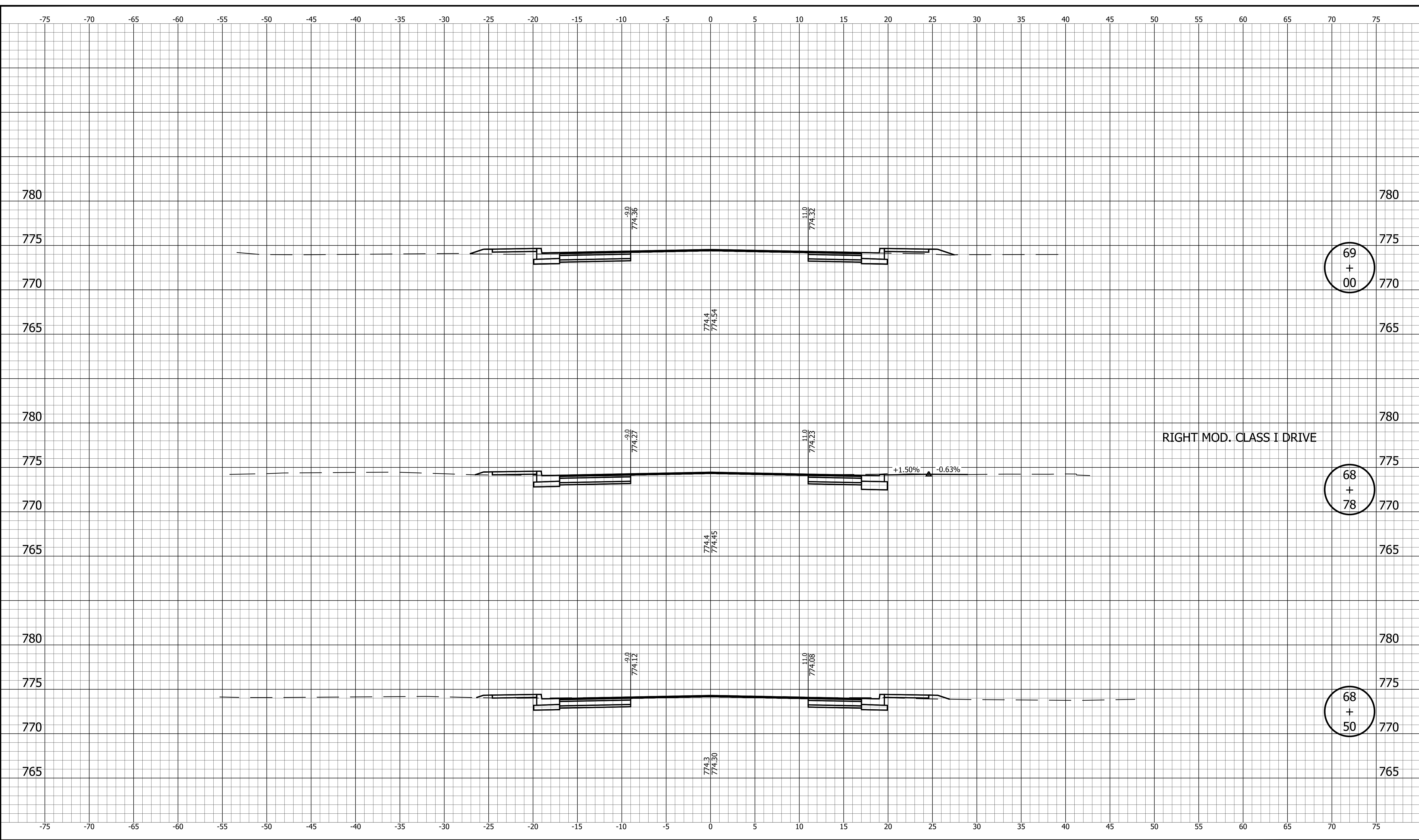
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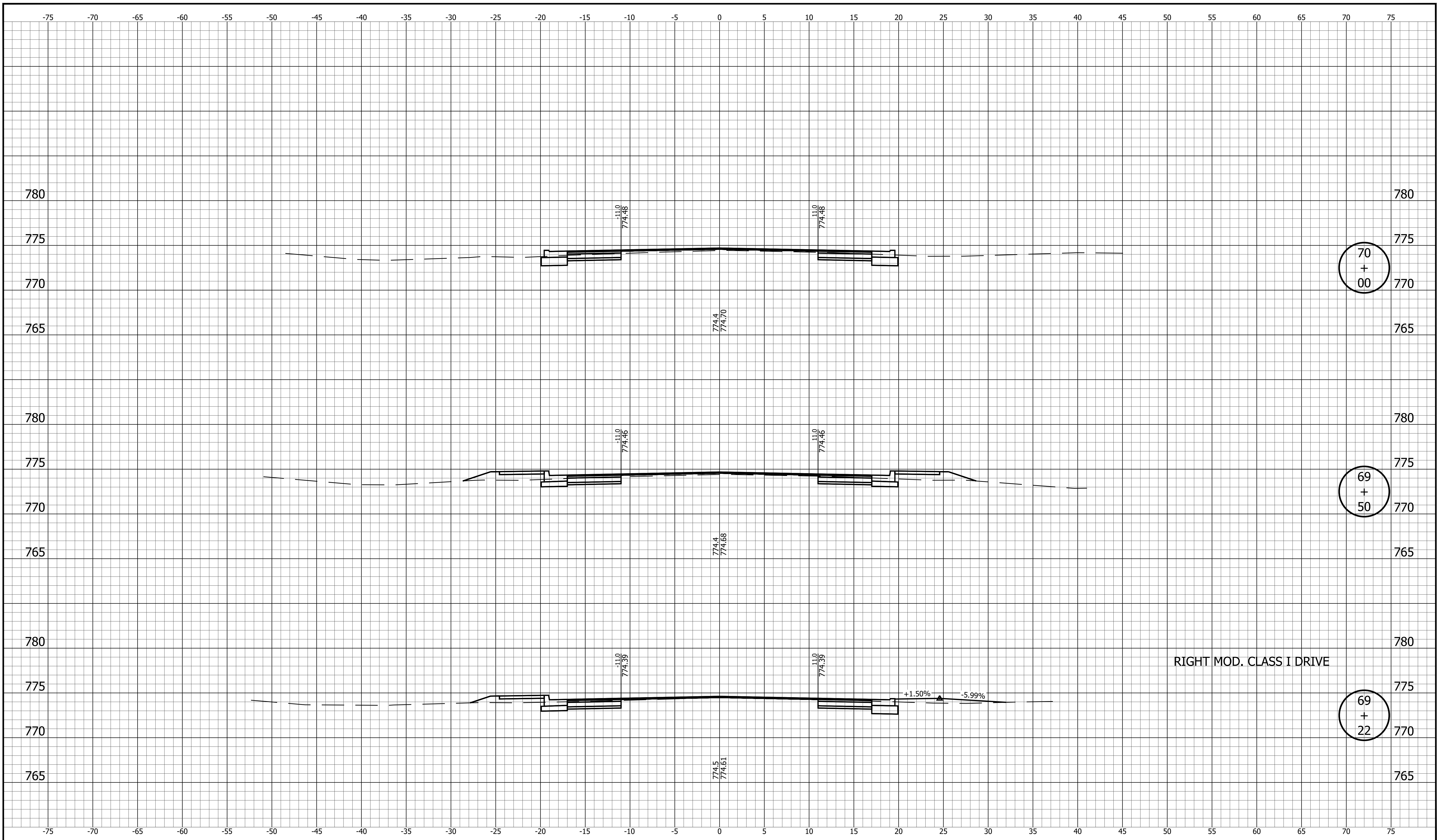
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						CONTRACT RS-39363 PROJECT 1593272	

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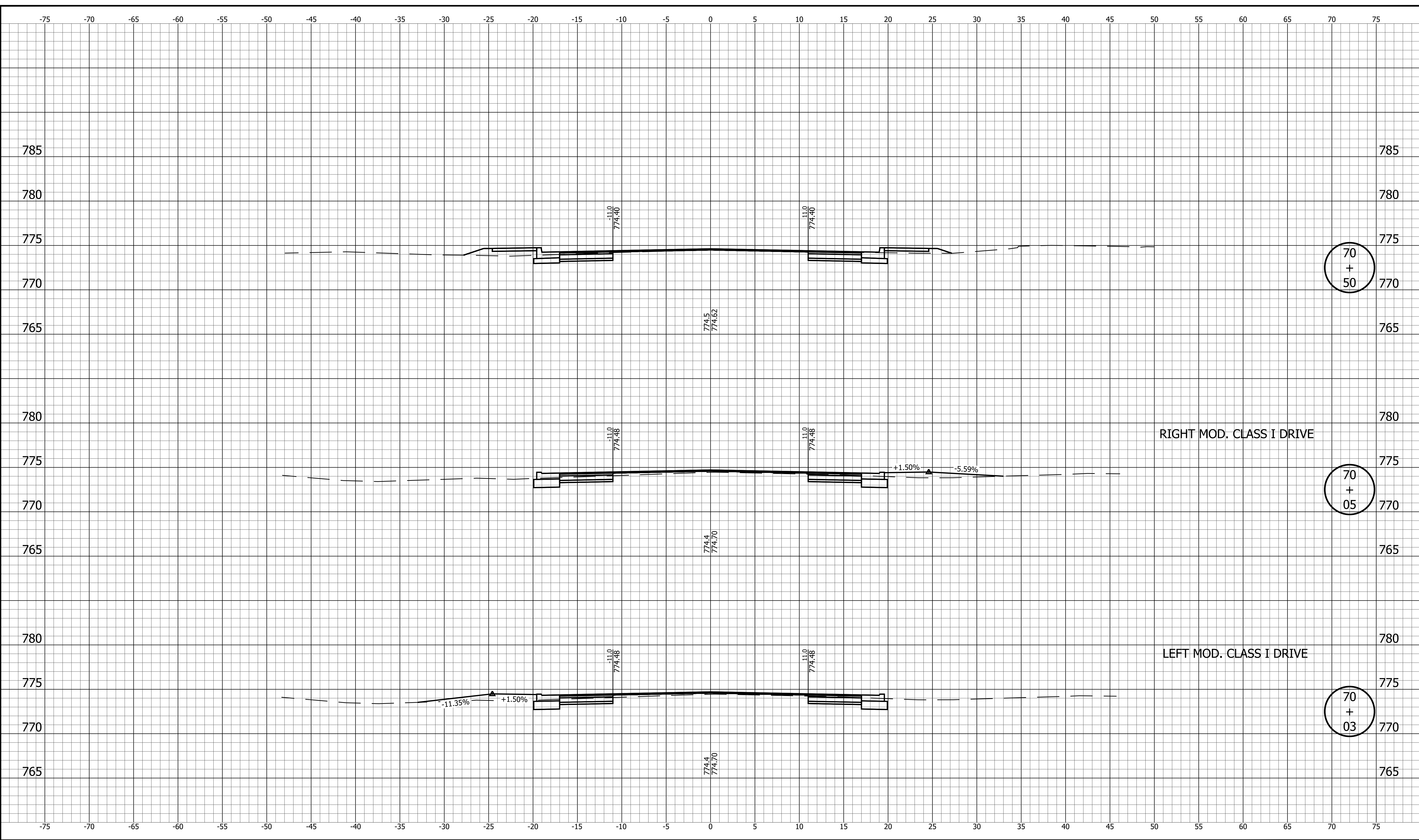
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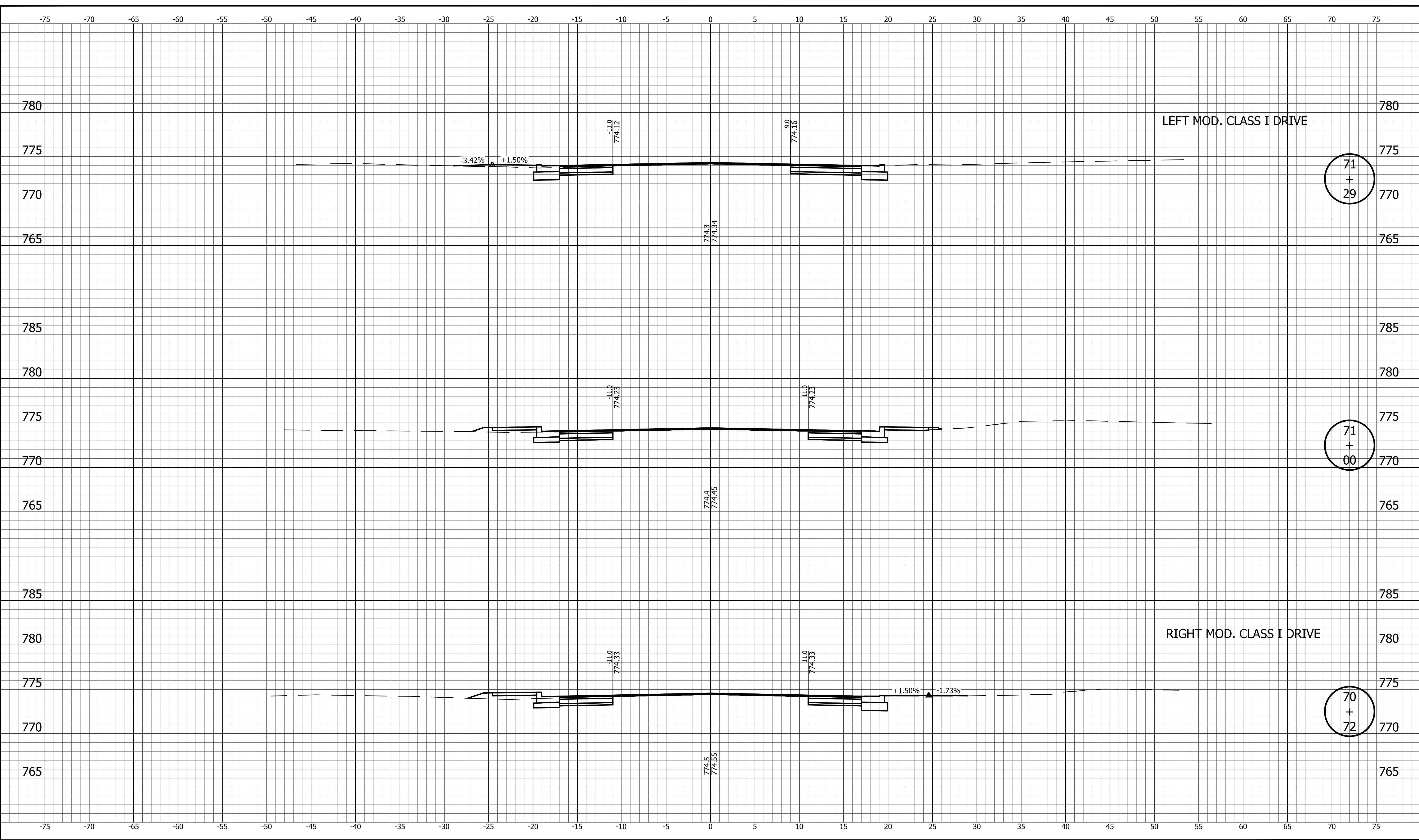
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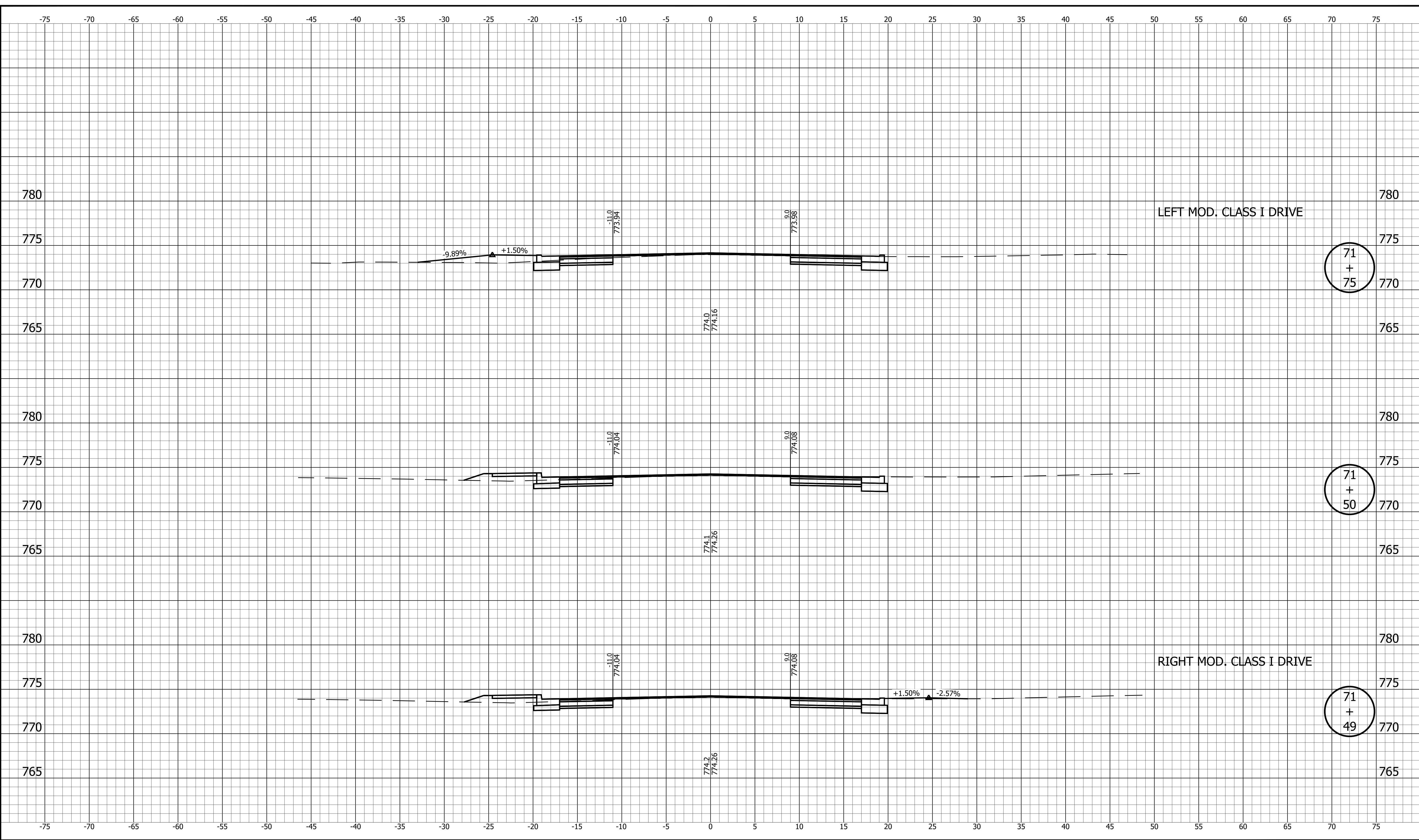
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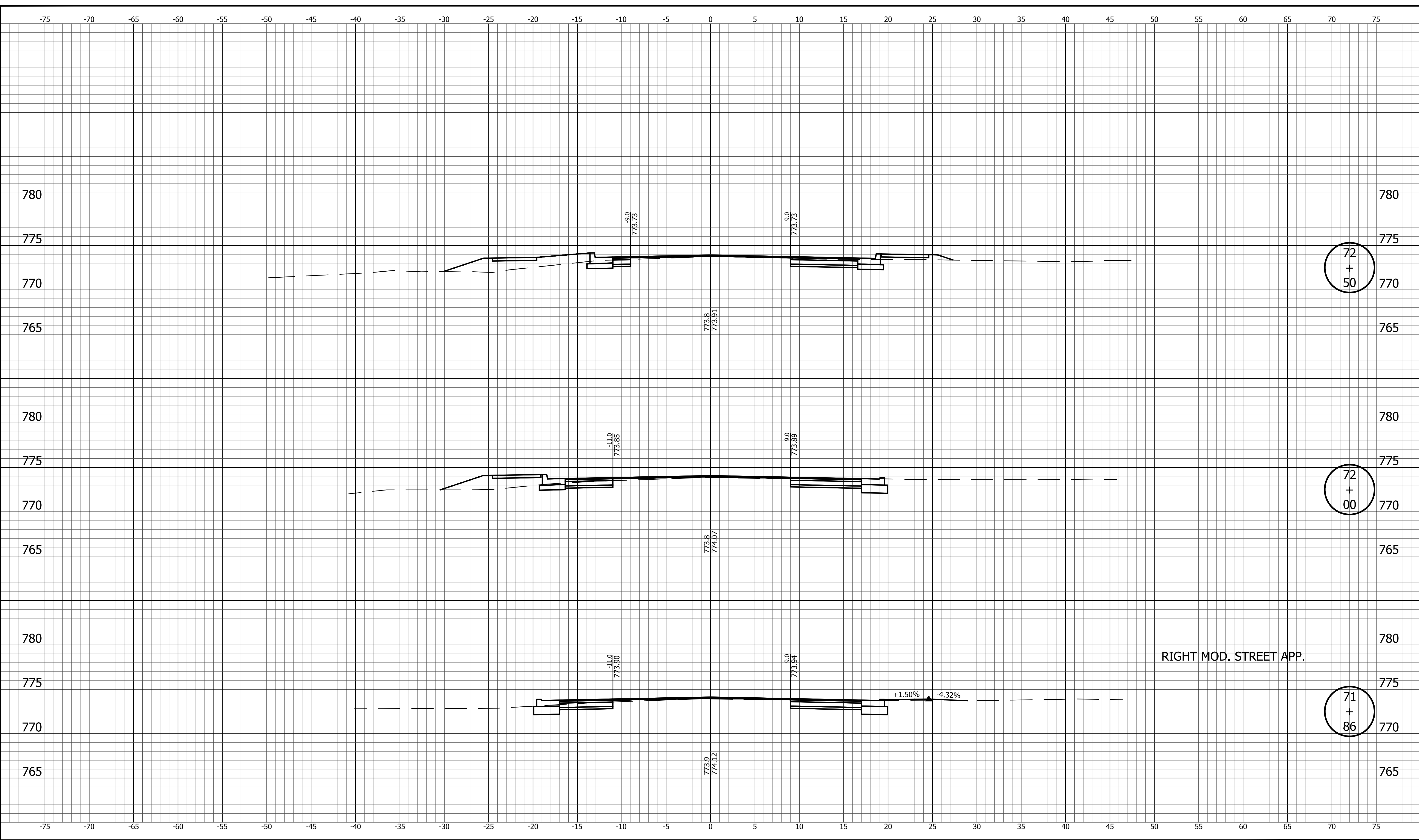
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			CONTRACT RS-39363	PROJECT 1593272

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SURVEY BOOK	SHEET																		
	64 of 94																		
CONTRACT	PROJECT																		
RS-39363	1593272																		
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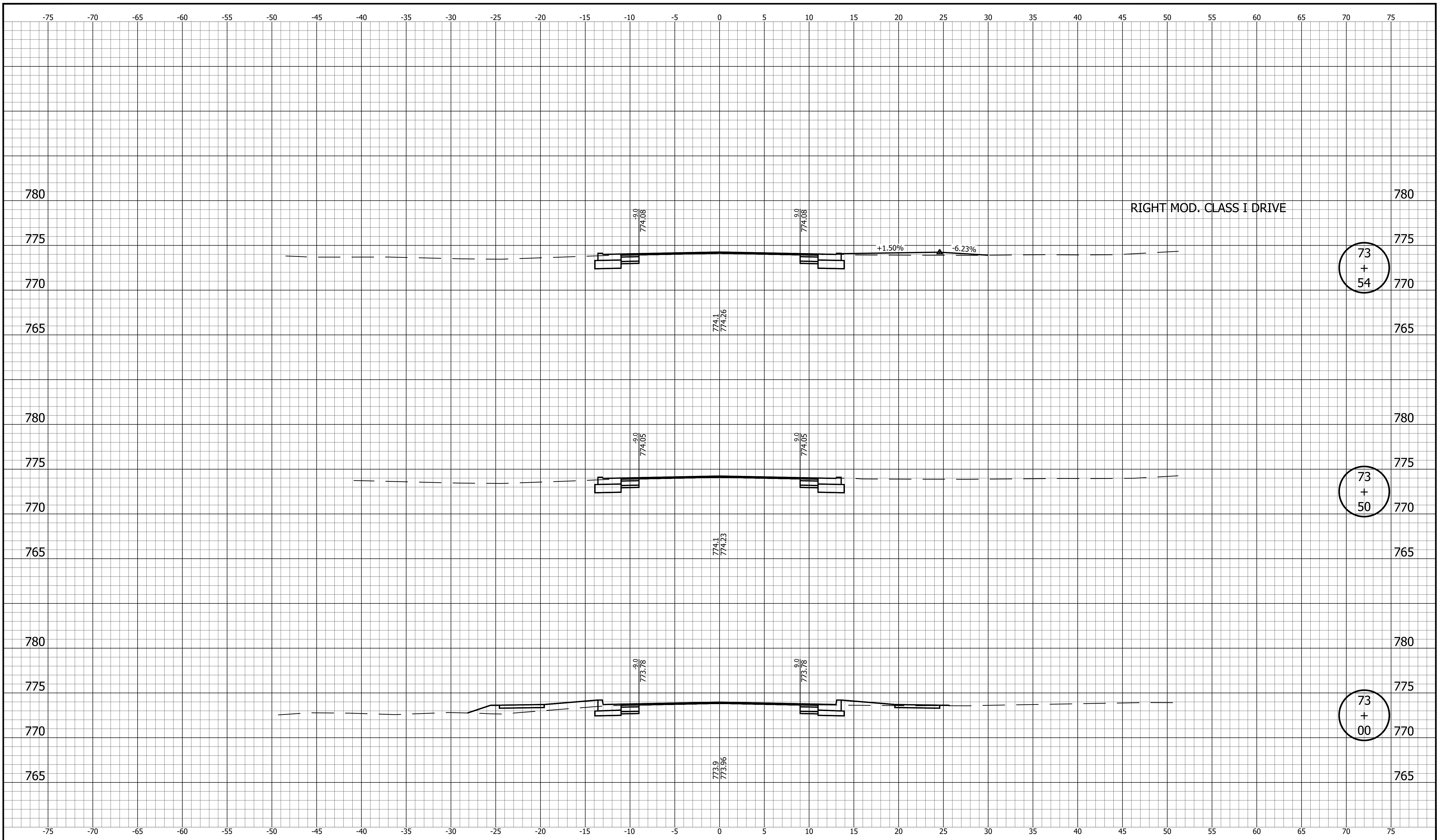
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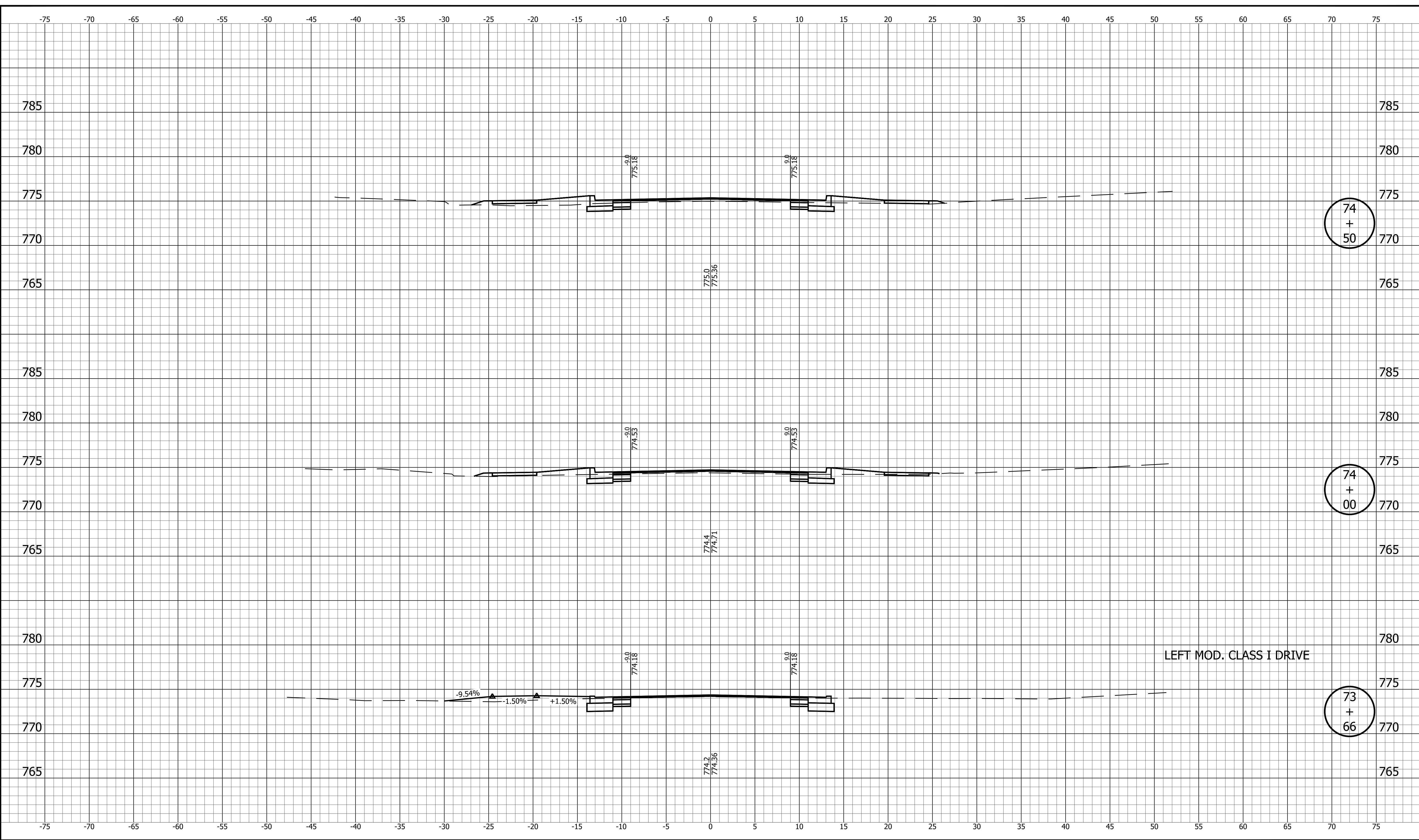
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**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**CROSS SECTIONS**  
**LINE "C"**

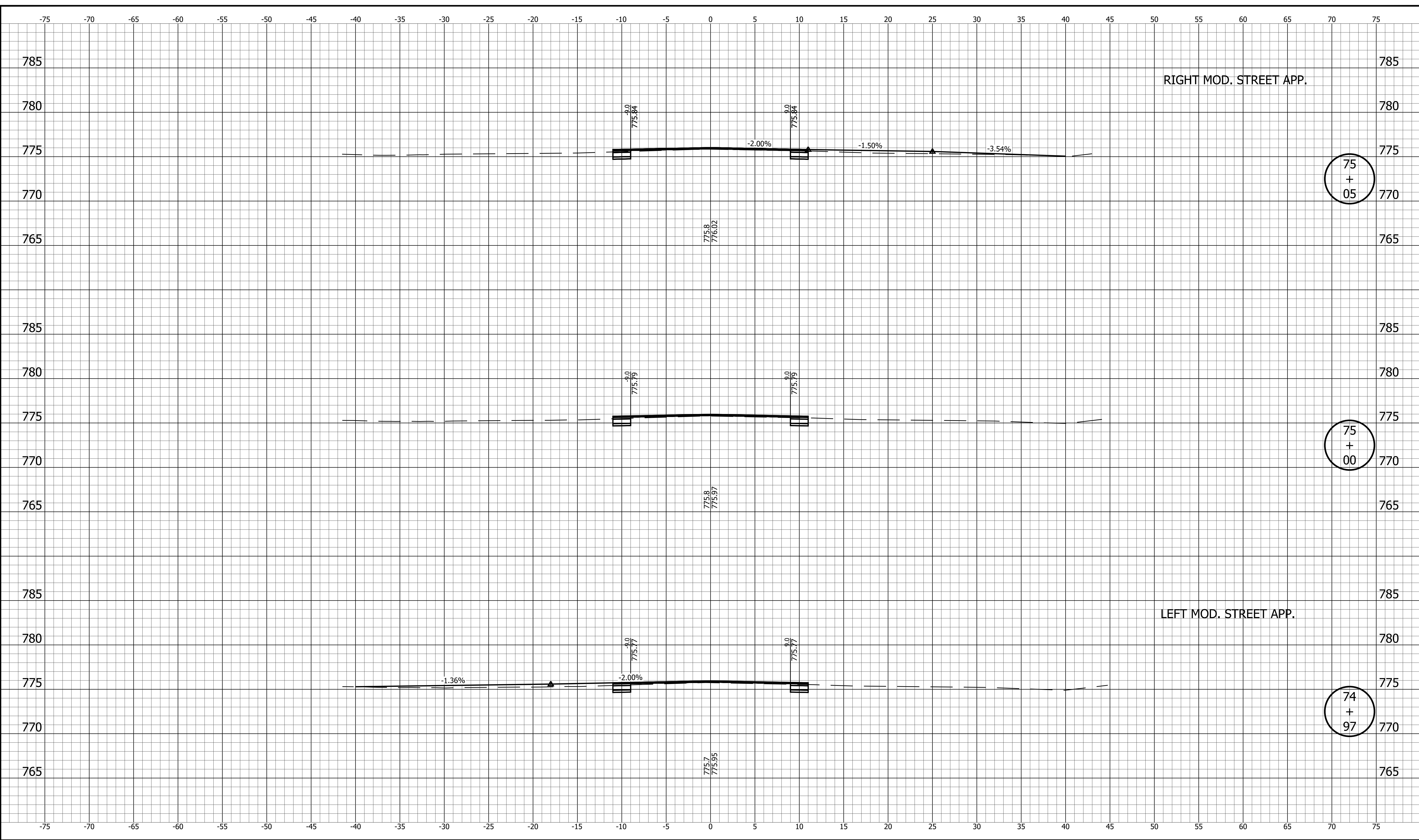
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SURVEY BOOK	SHEET 66 of 94
CONTRACT RS-39363	PROJECT 1593272

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	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER      DATE	<b>INDIANA          DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE 1"=5' VERTICAL SCALE 1"=5'	BRIDGE FILE DESIGNATION 1593272
	DESIGNED: <u>YZ</u> DRAWN: <u>MM</u> CHECKED: <u>JS</u> CHECKED: <u>JS</u>	<b>CROSS SECTIONS          LINE "C"</b>	SURVEY BOOK 67 of 94	SHEET PROJECT 1593272
			CONTRACT RS-39363	PROJECT 1593272

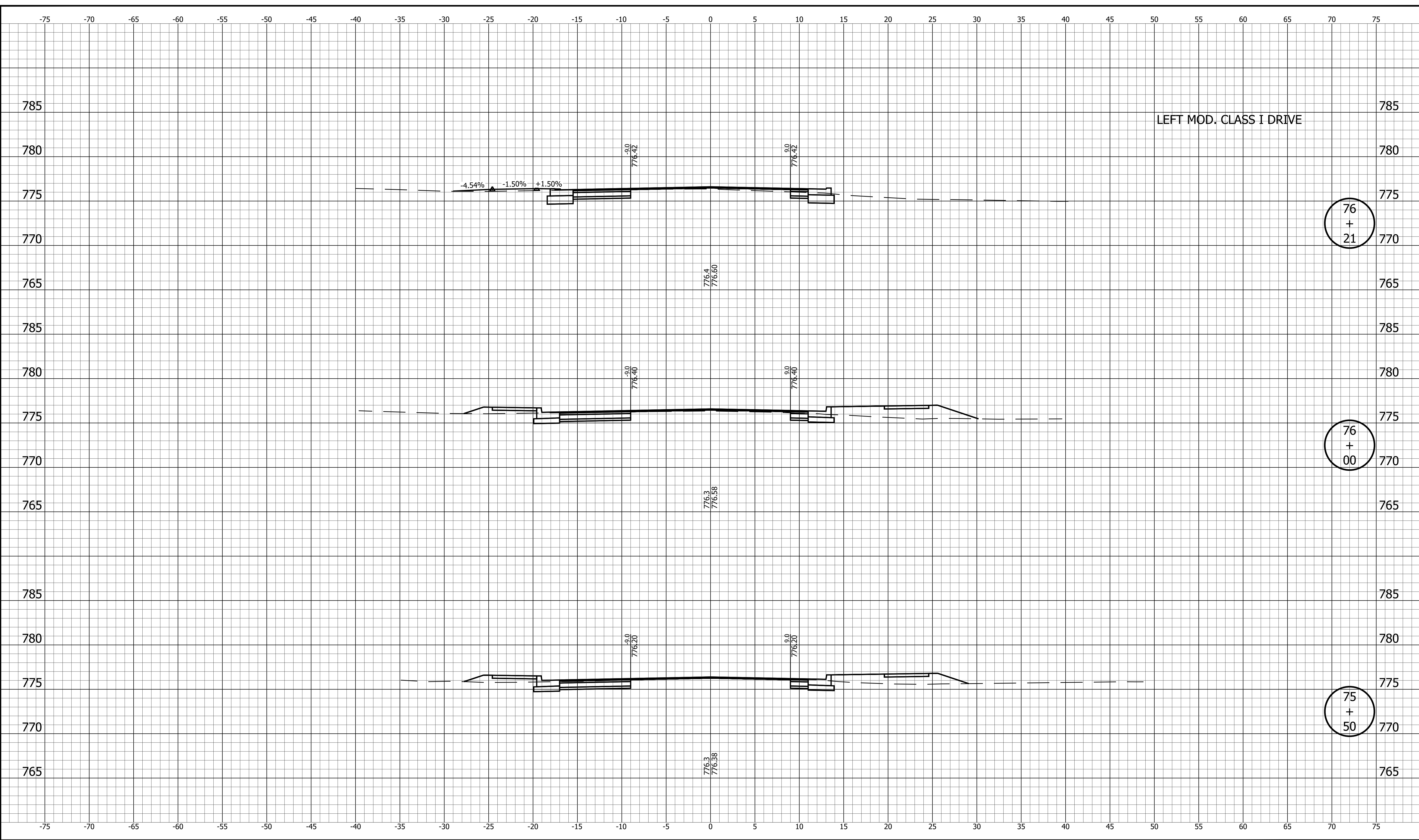
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RS-39363	1593272																		
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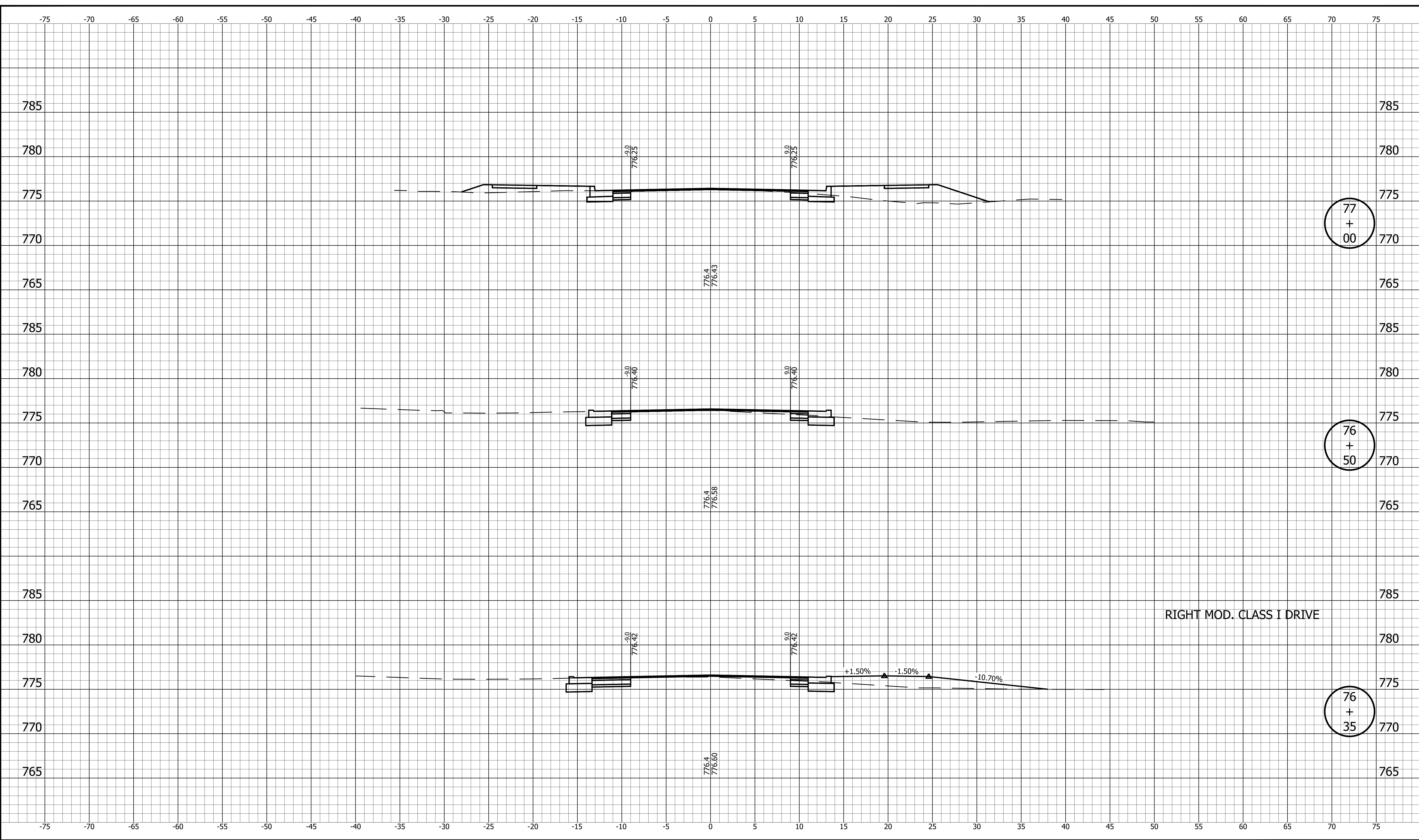


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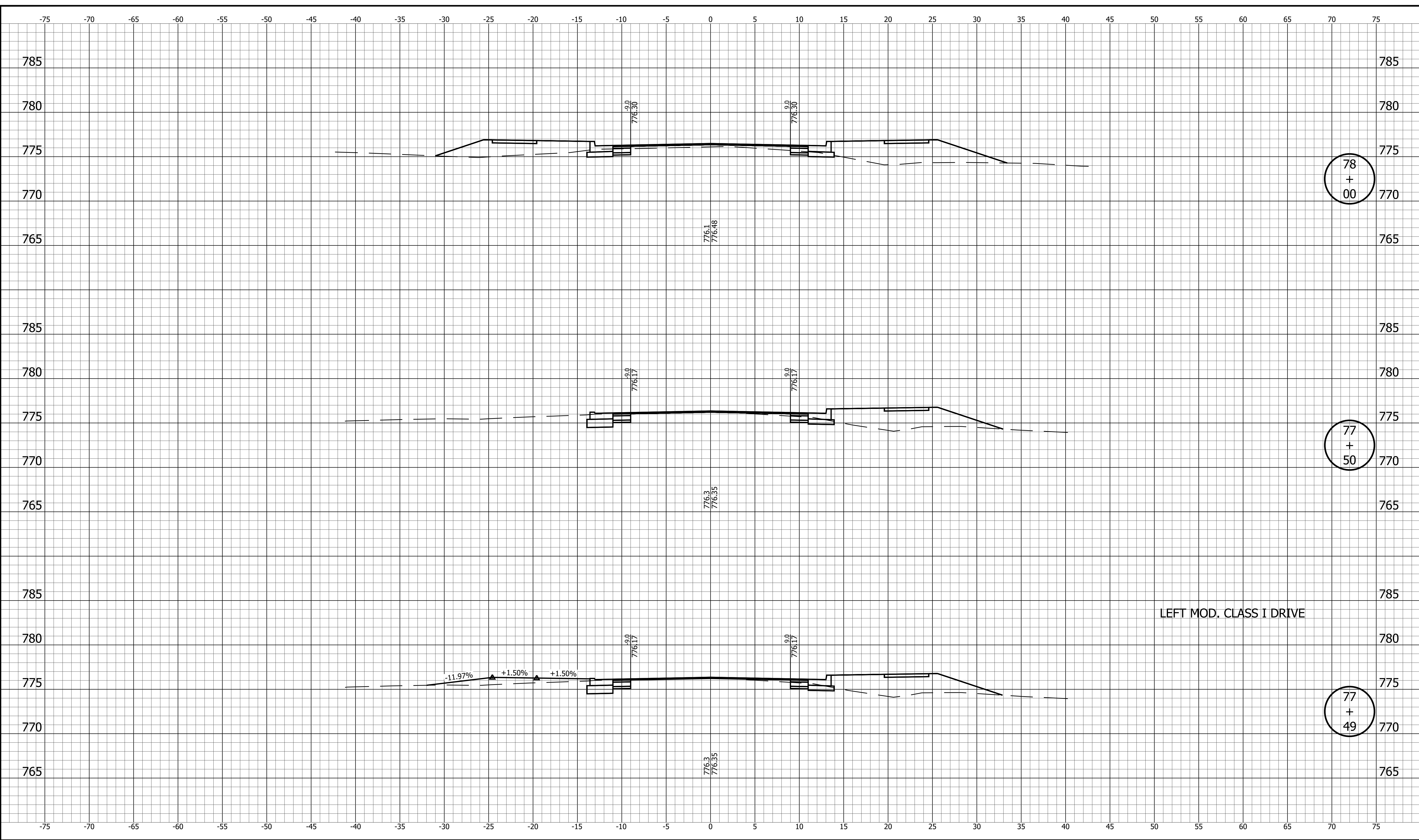
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HORIZONTAL SCALE	BRIDGE FILE																		
1"=5'																			
VERTICAL SCALE	DESIGNATION																		
1"=5'	1593272																		
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	69 of 94																		
CONTRACT	PROJECT																		
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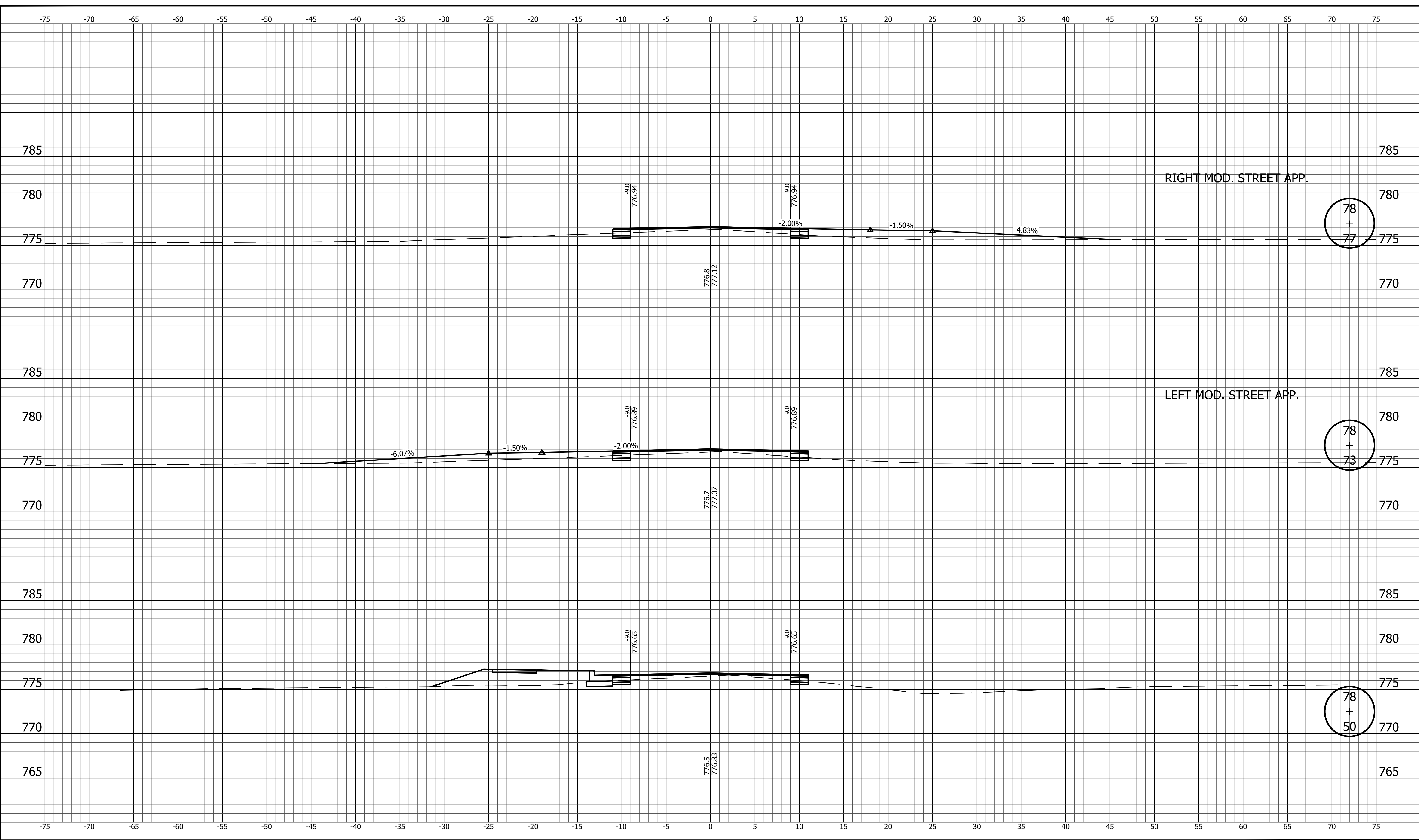
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	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1"=5'</td> <td></td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1"=5'</td> <td>1593272</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>71 of 94</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>RS-39363</td> <td>1593272</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1"=5'		VERTICAL SCALE	DESIGNATION	1"=5'	1593272	SURVEY BOOK	SHEET		71 of 94	CONTRACT	PROJECT	RS-39363	1593272
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1"=5'																			
VERTICAL SCALE	DESIGNATION																		
1"=5'	1593272																		
SURVEY BOOK	SHEET																		
	71 of 94																		
CONTRACT	PROJECT																		
RS-39363	1593272																		
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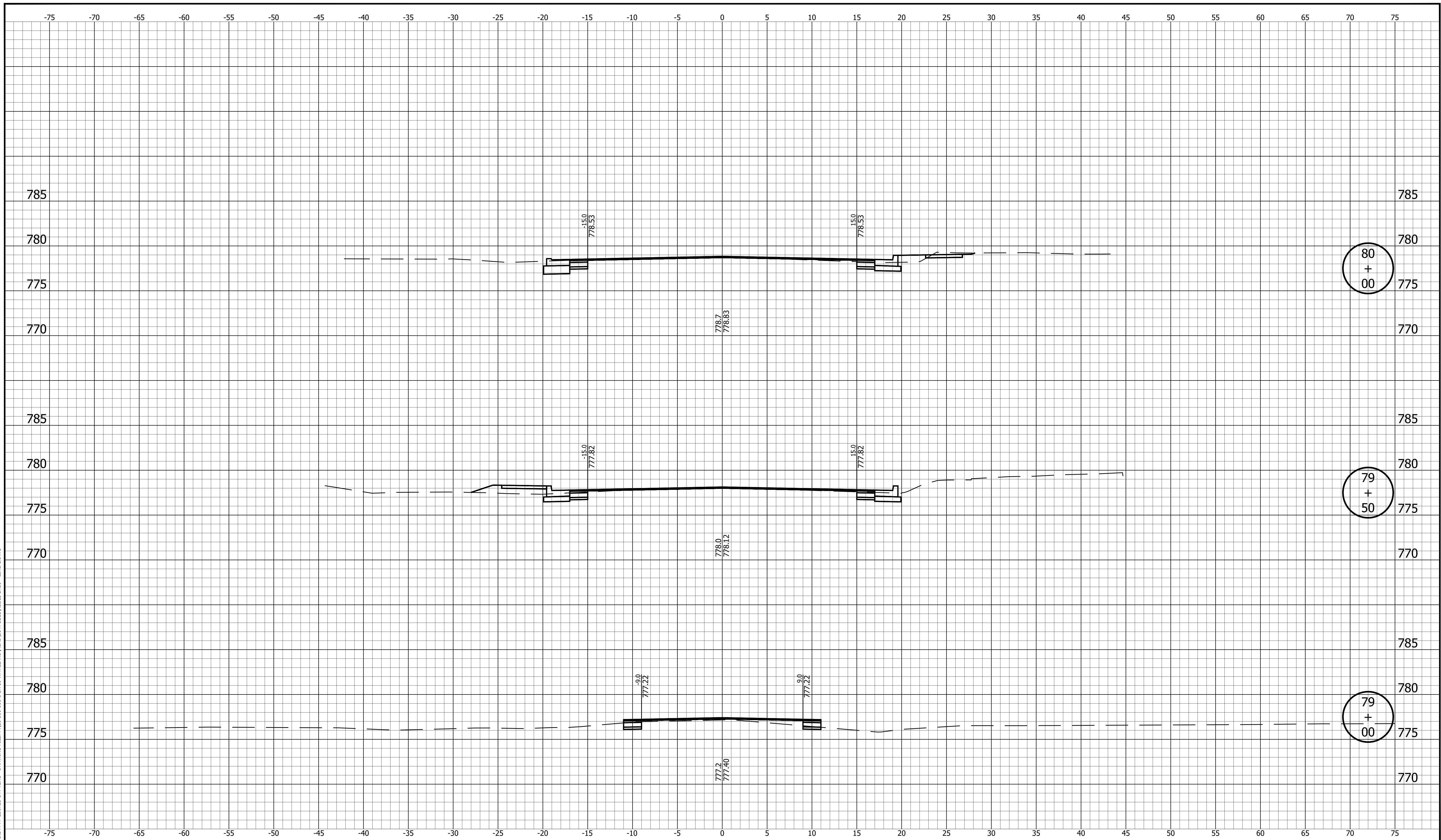
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+  
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	DESIGNED: <u>YZ</u> DRAWN: <u>MM</u> CHECKED: <u>JS</u> CHECKED: <u>JS</u>	<b>CROSS SECTIONS LINE "C"</b>	SURVEY BOOK SHEET 72 of 94 CONTRACT PROJECT RS-39363 1593272

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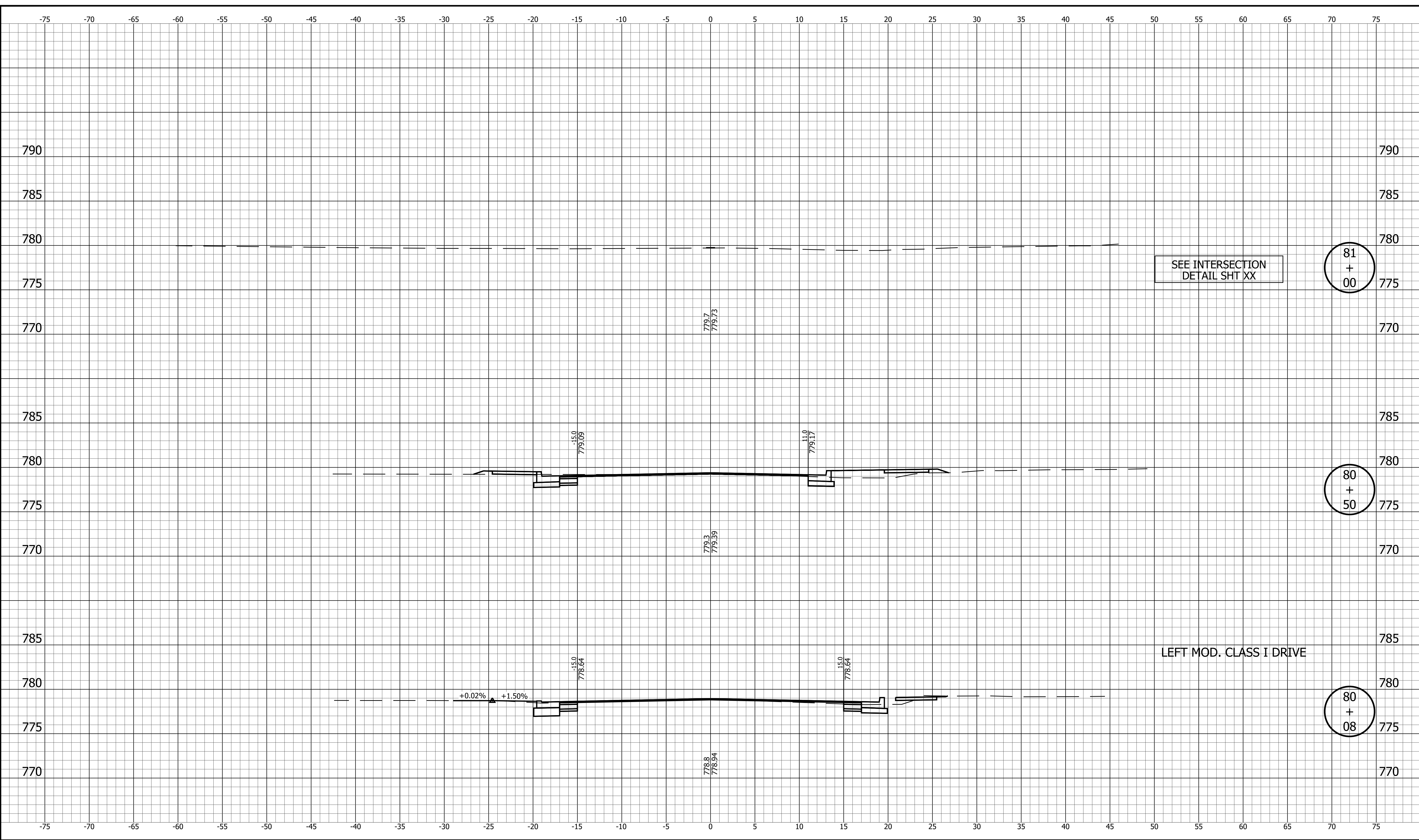
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INDIANA DEPARTMENT OF TRANSPORTATION	
CROSS SECTIONS LINE "C"	

HORIZONTAL SCALE 1"=5'	BRIDGE FILE
VERTICAL SCALE 1"=5'	DESIGNATION 1593272
SURVEY BOOK	SHEET 73 of 94
CONTRACT RS-39363	PROJECT 1593272

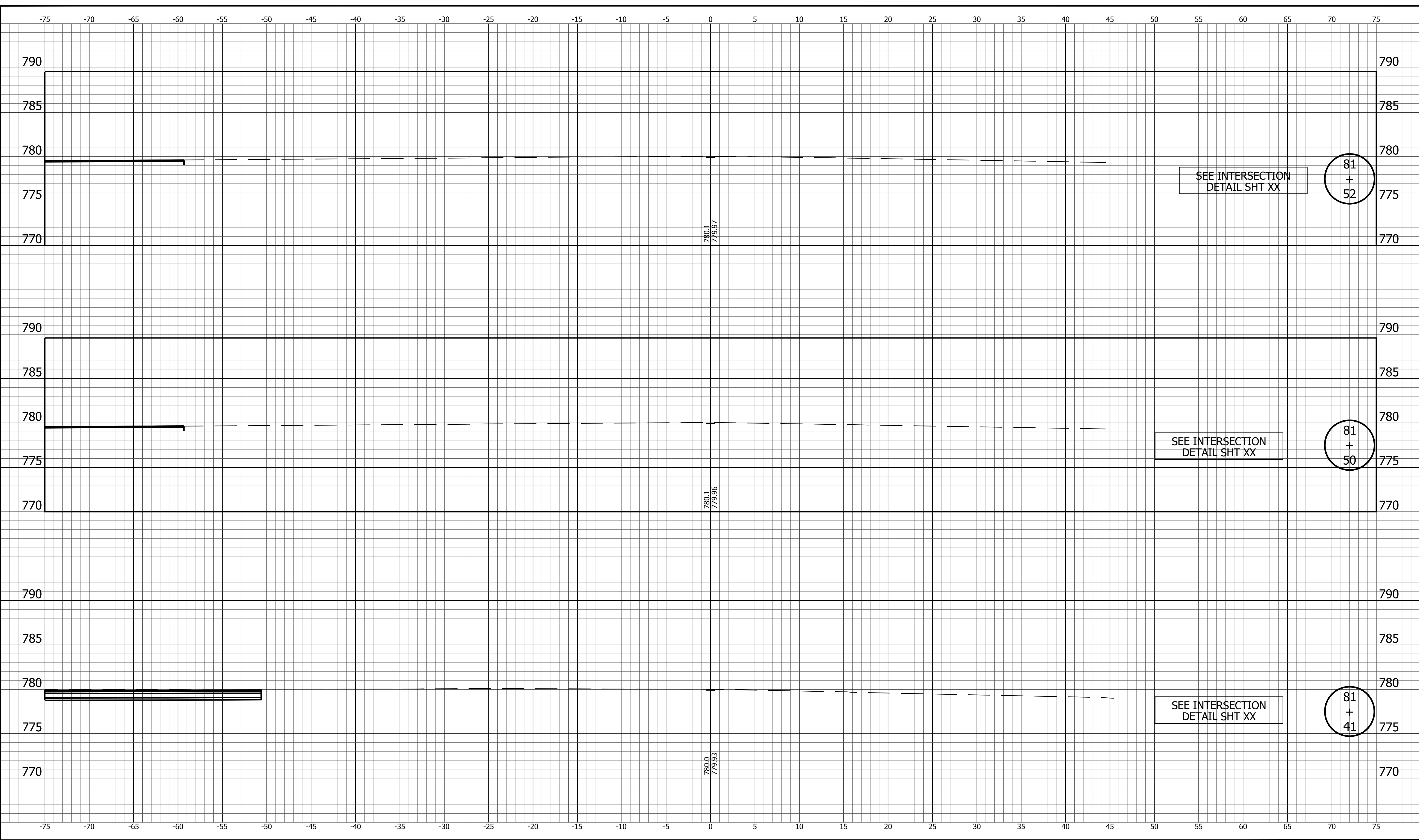
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1"=5'																			
VERTICAL SCALE	DESIGNATION																		
1"=5'	1593272																		
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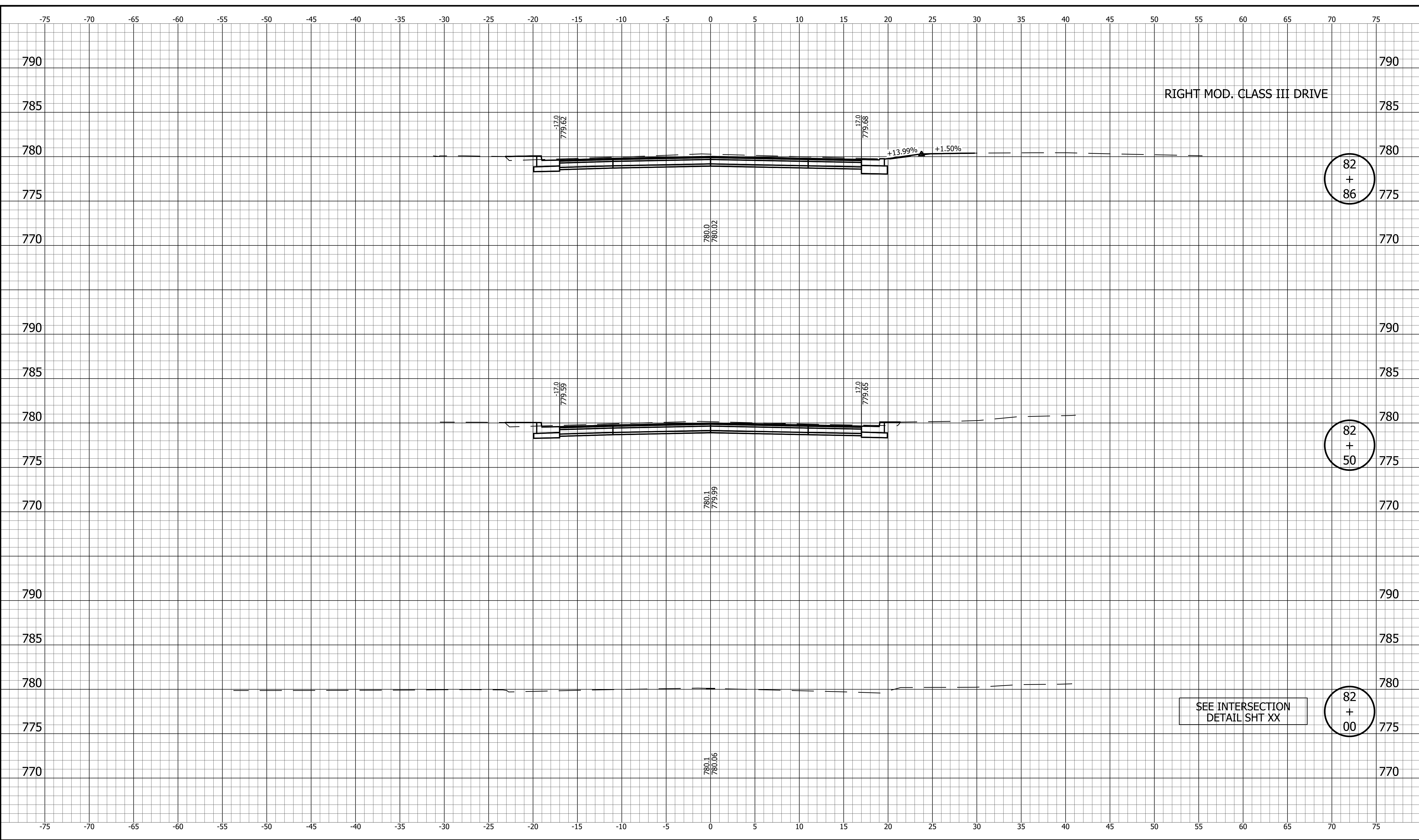


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HORIZONTAL SCALE	BRIDGE FILE																		
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE																	
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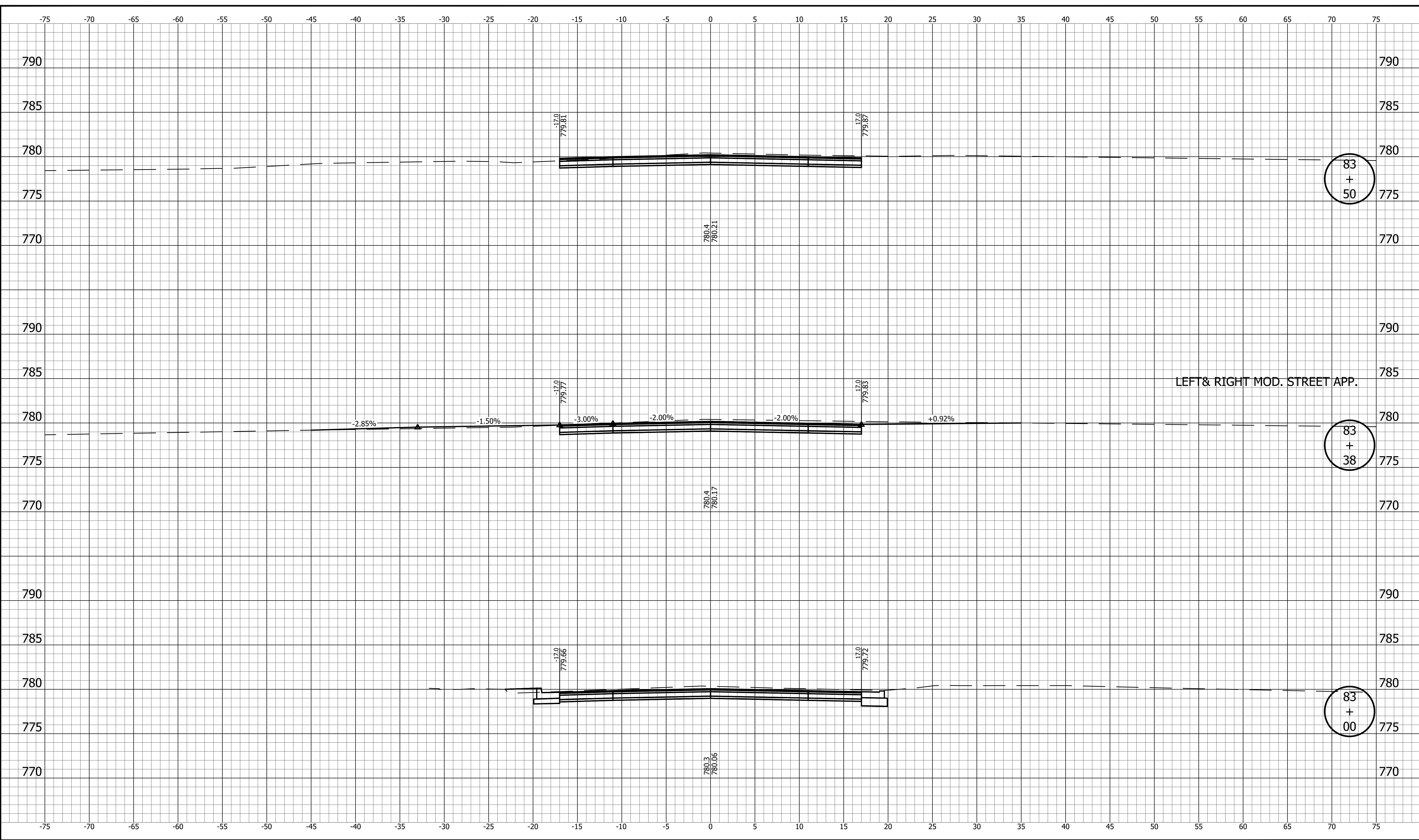
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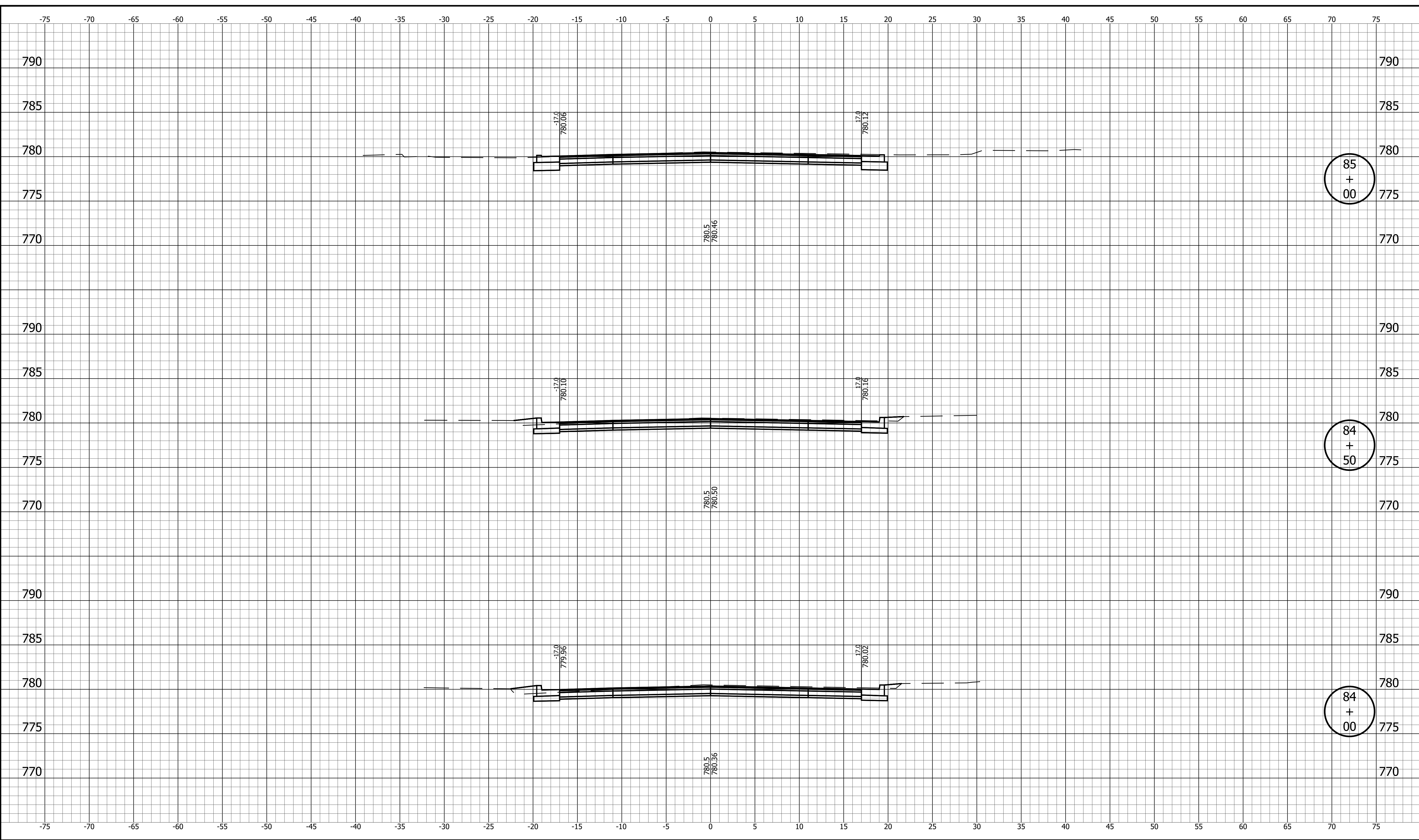
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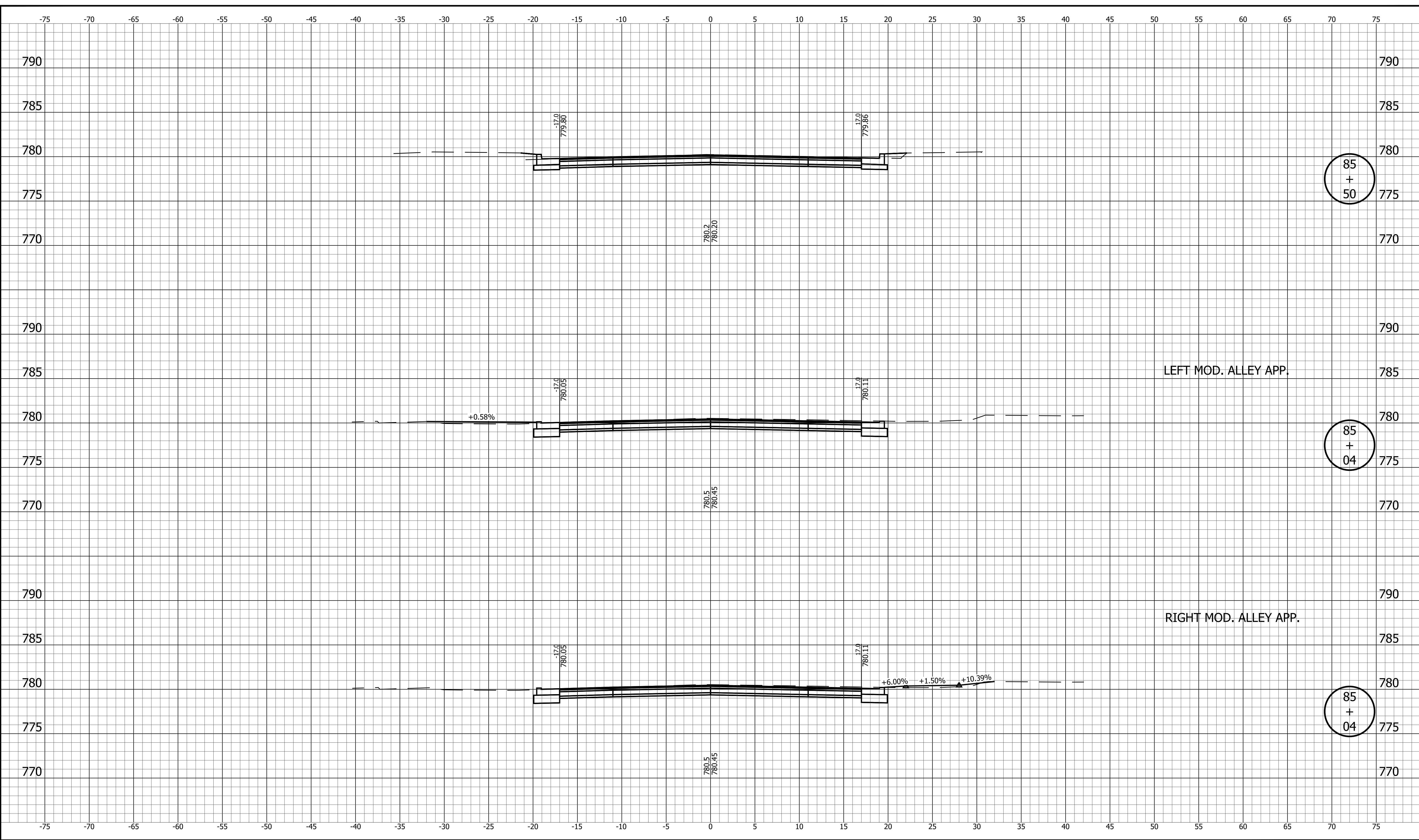
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85  
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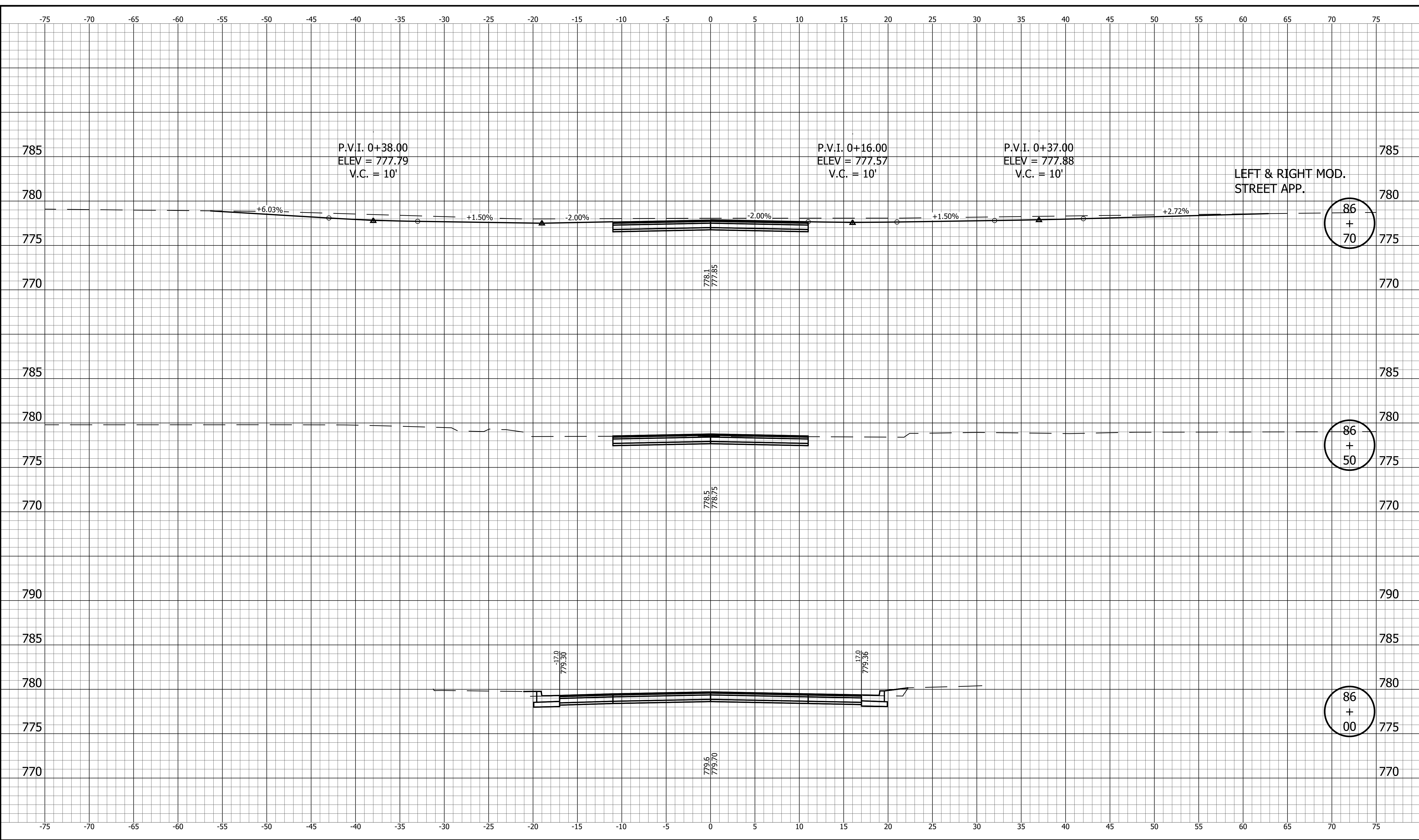
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LEFT MOD. ALLEY APP.

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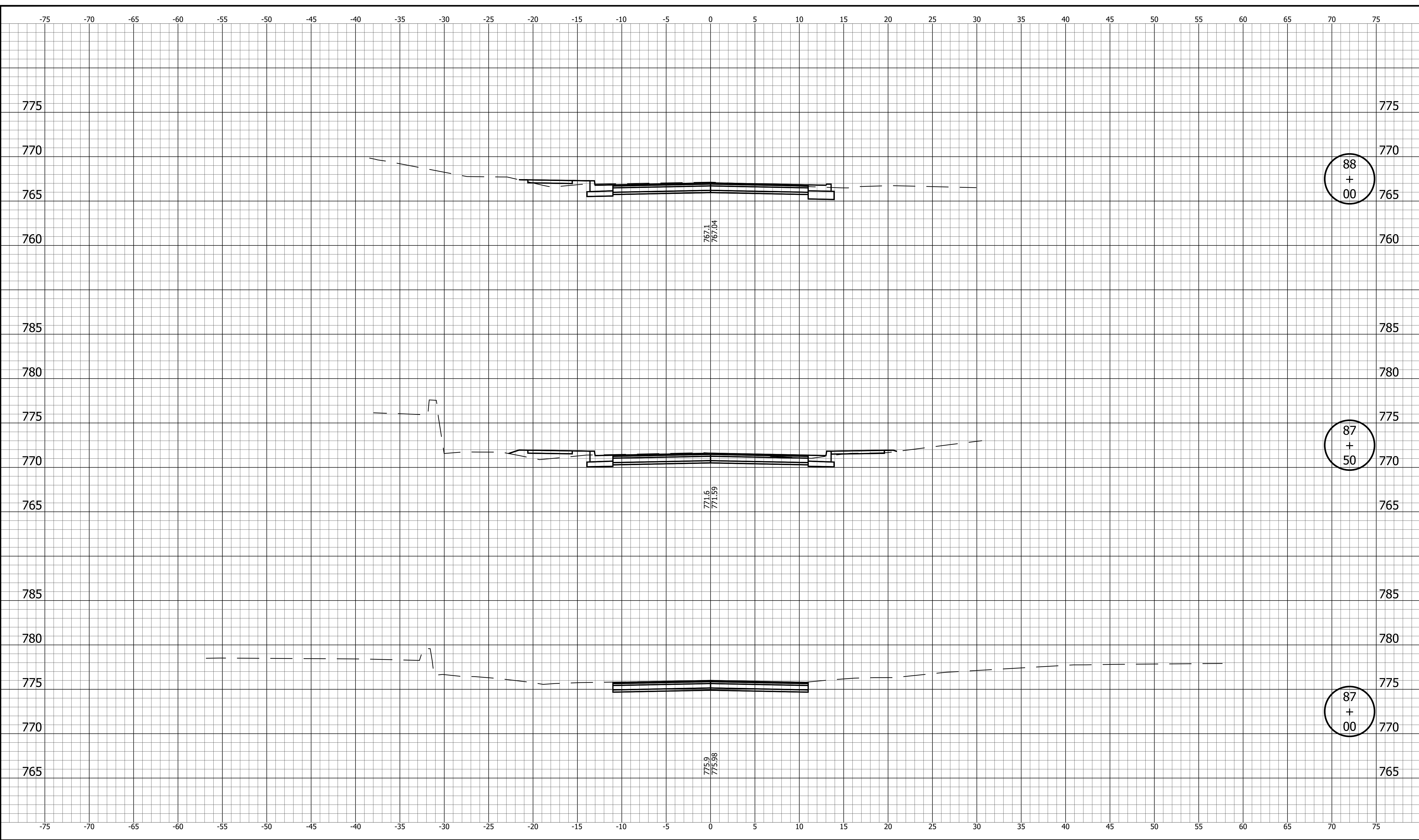
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<b>CROSS SECTIONS LINE "C"</b>			

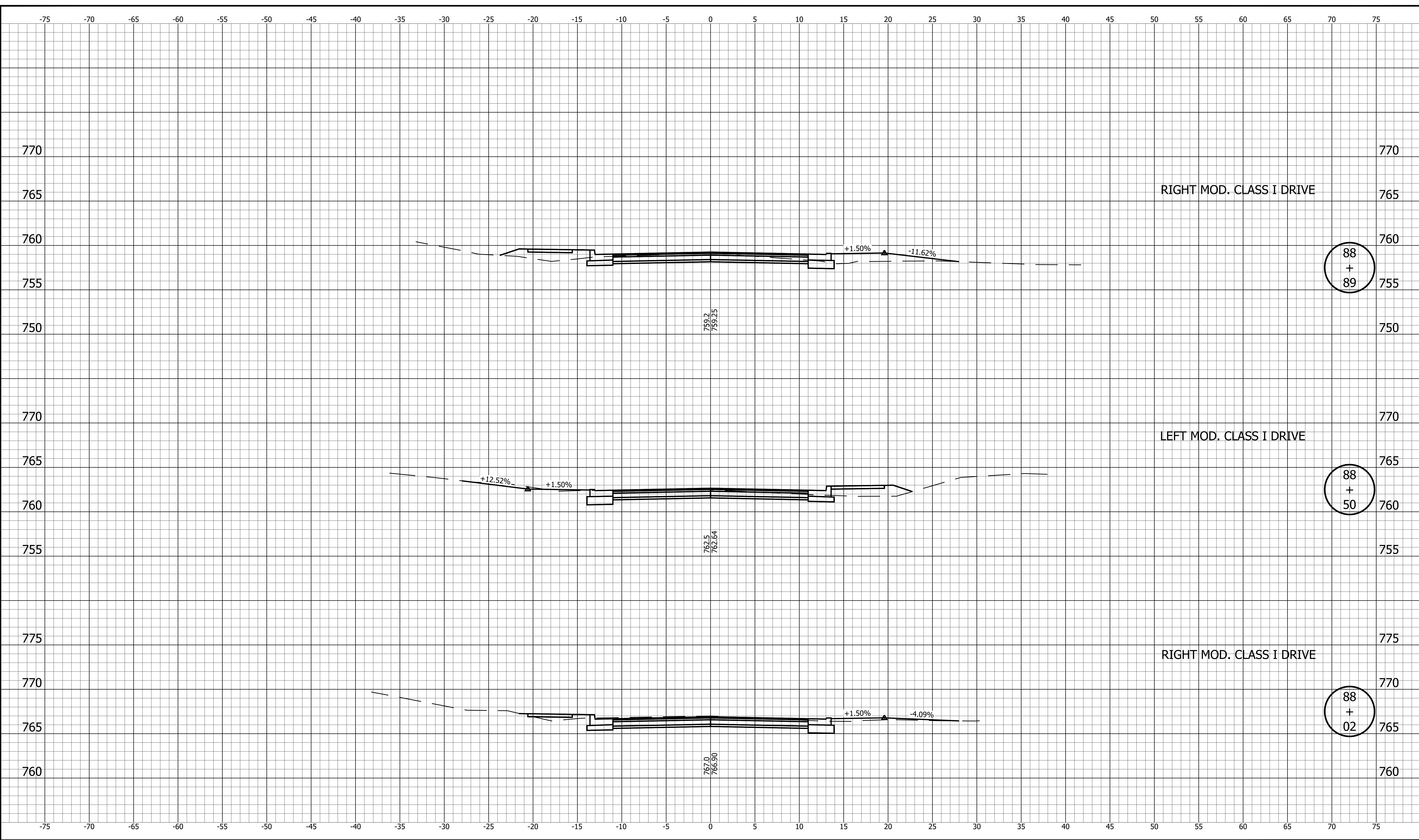


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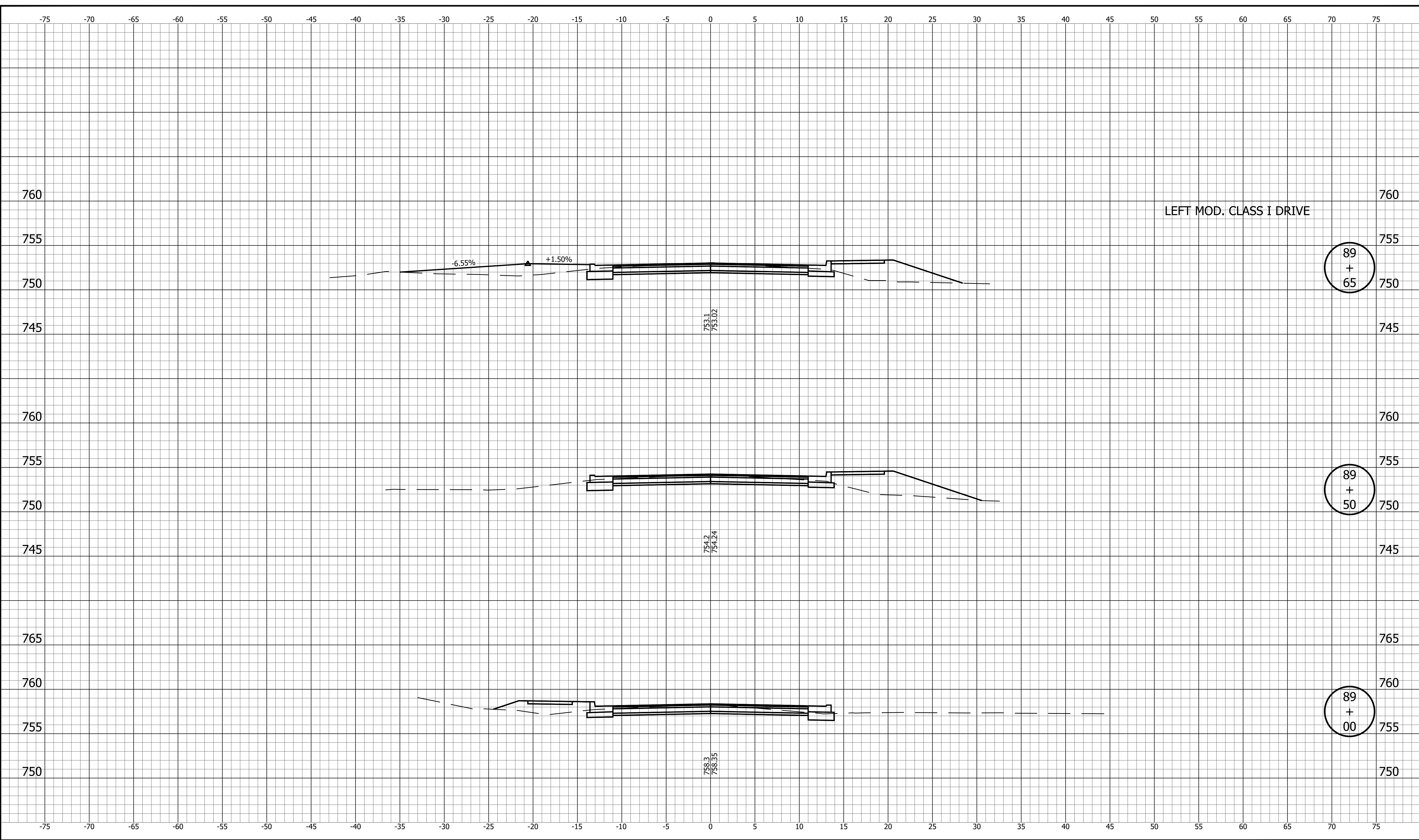
		<b>INDIANA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1"=5'</td> <td></td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1"=5'</td> <td>1593272</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>81 of 94</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>RS-39363</td> <td>1593272</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1"=5'		VERTICAL SCALE	DESIGNATION	1"=5'	1593272	SURVEY BOOK	SHEET		81 of 94	CONTRACT	PROJECT	RS-39363	1593272
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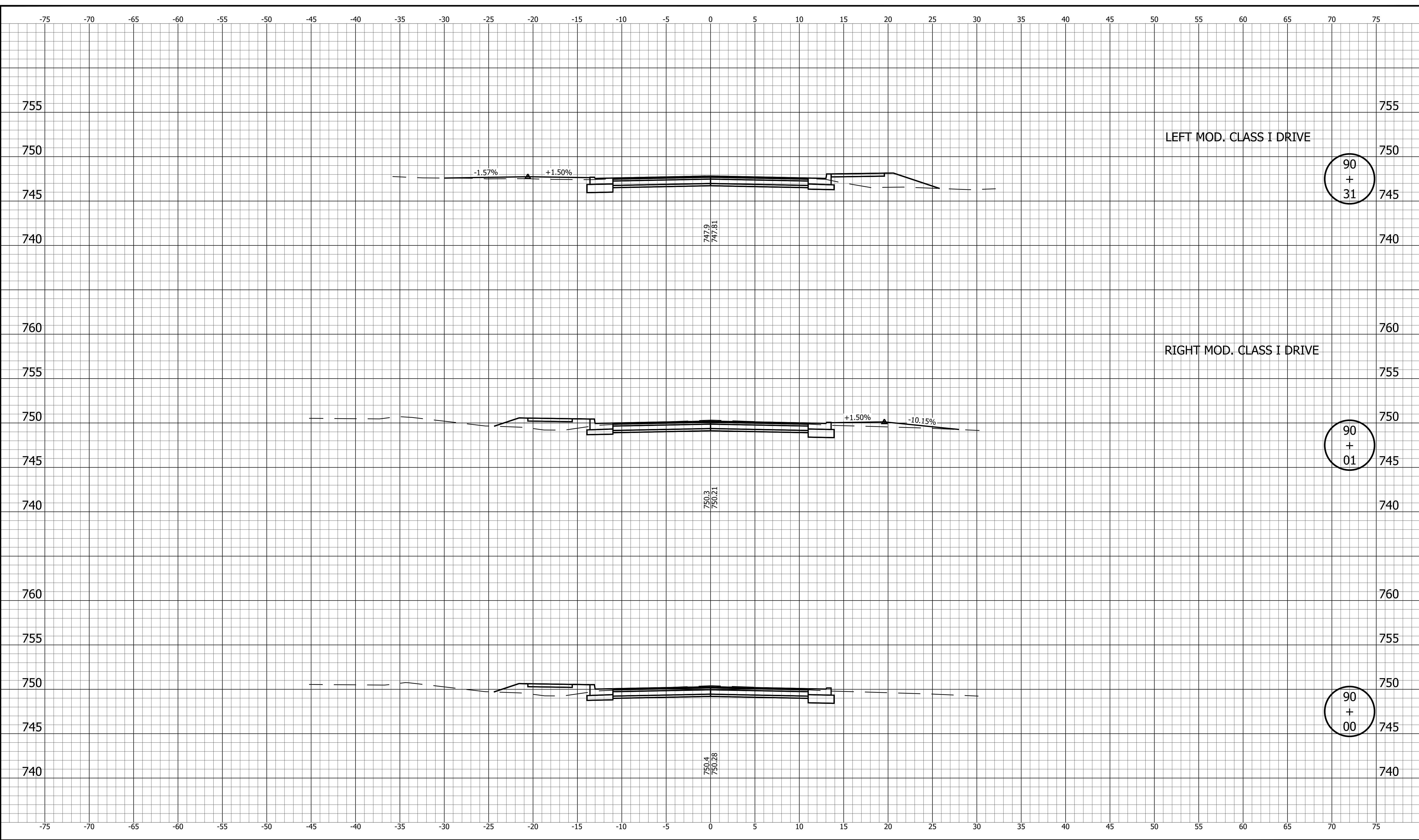
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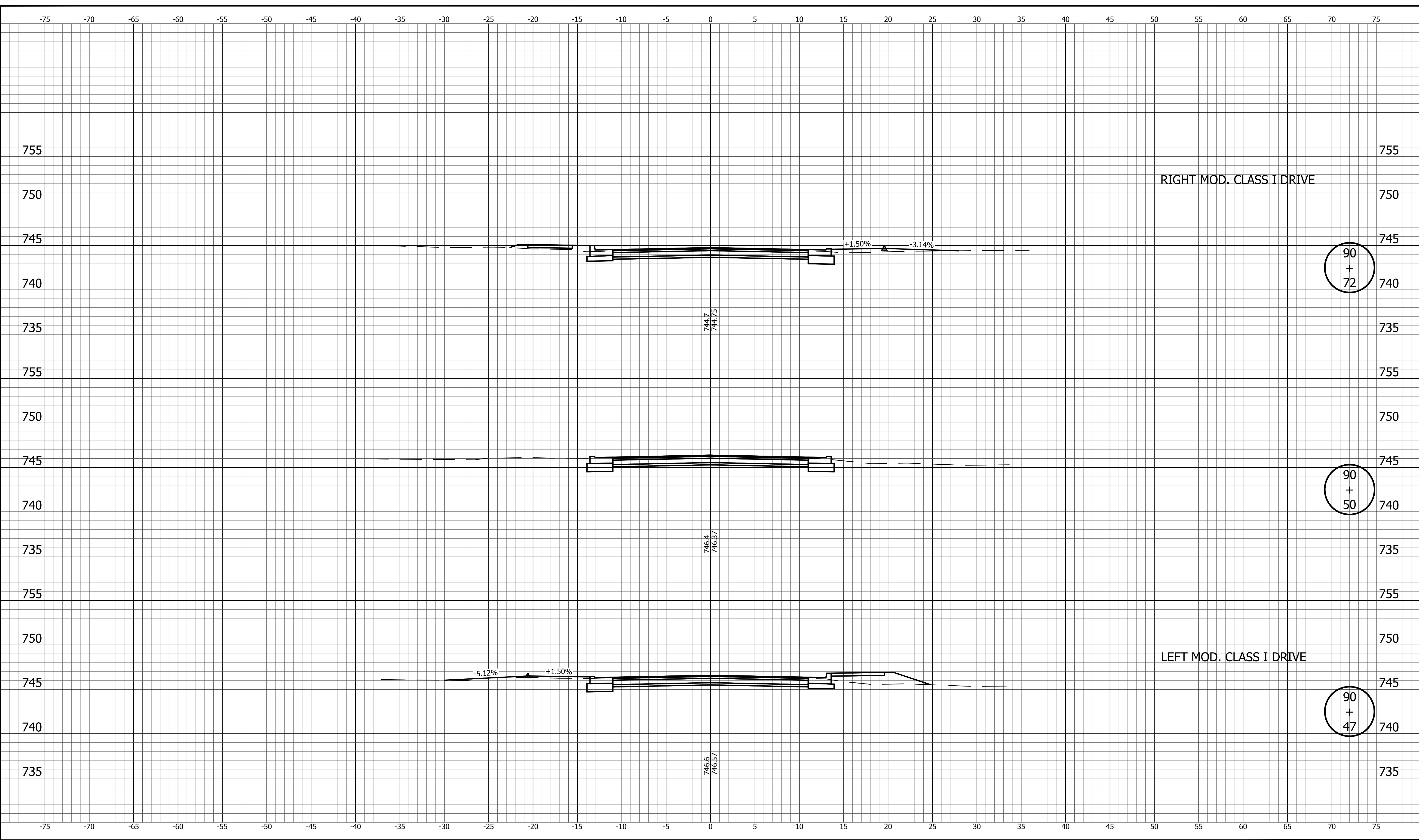
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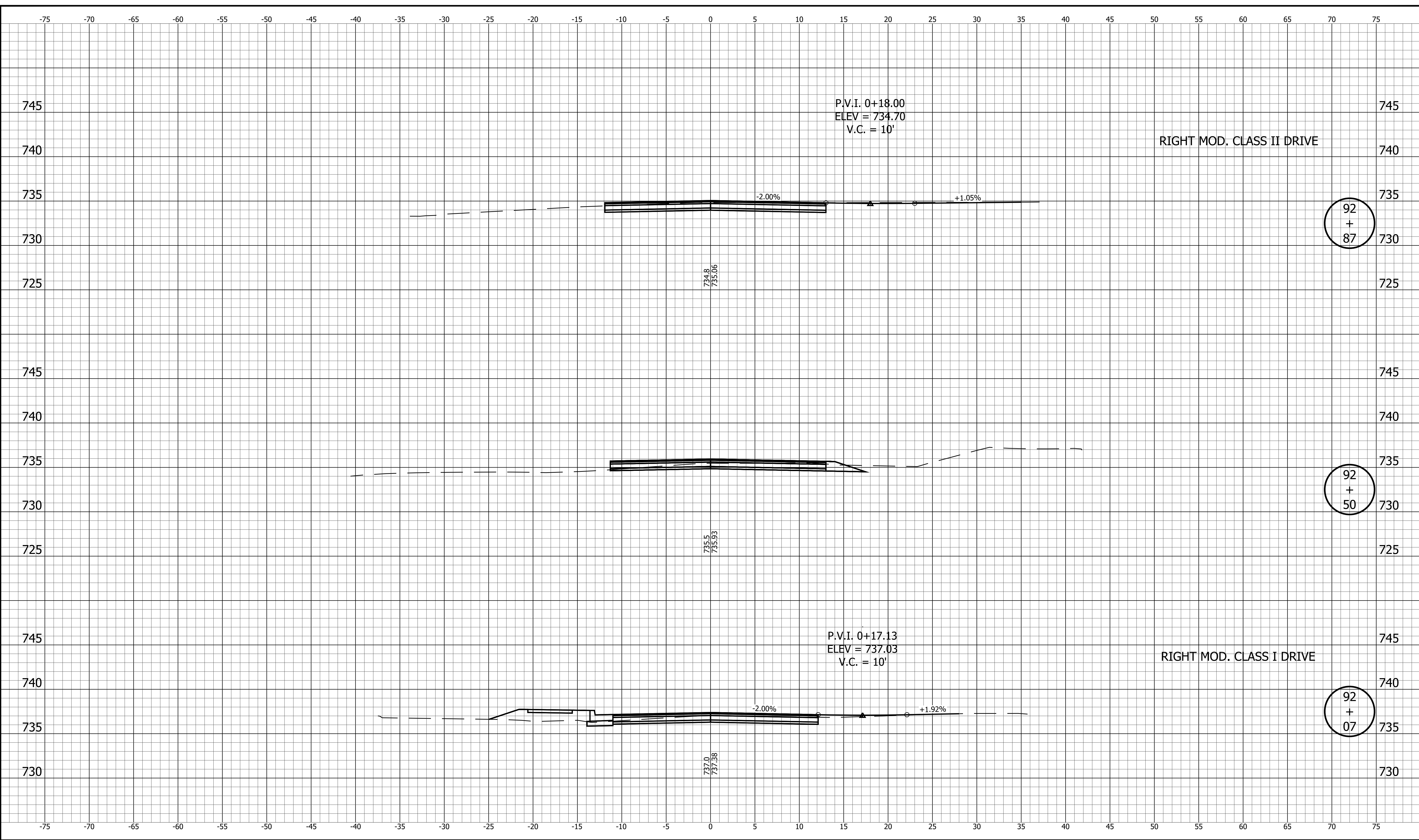


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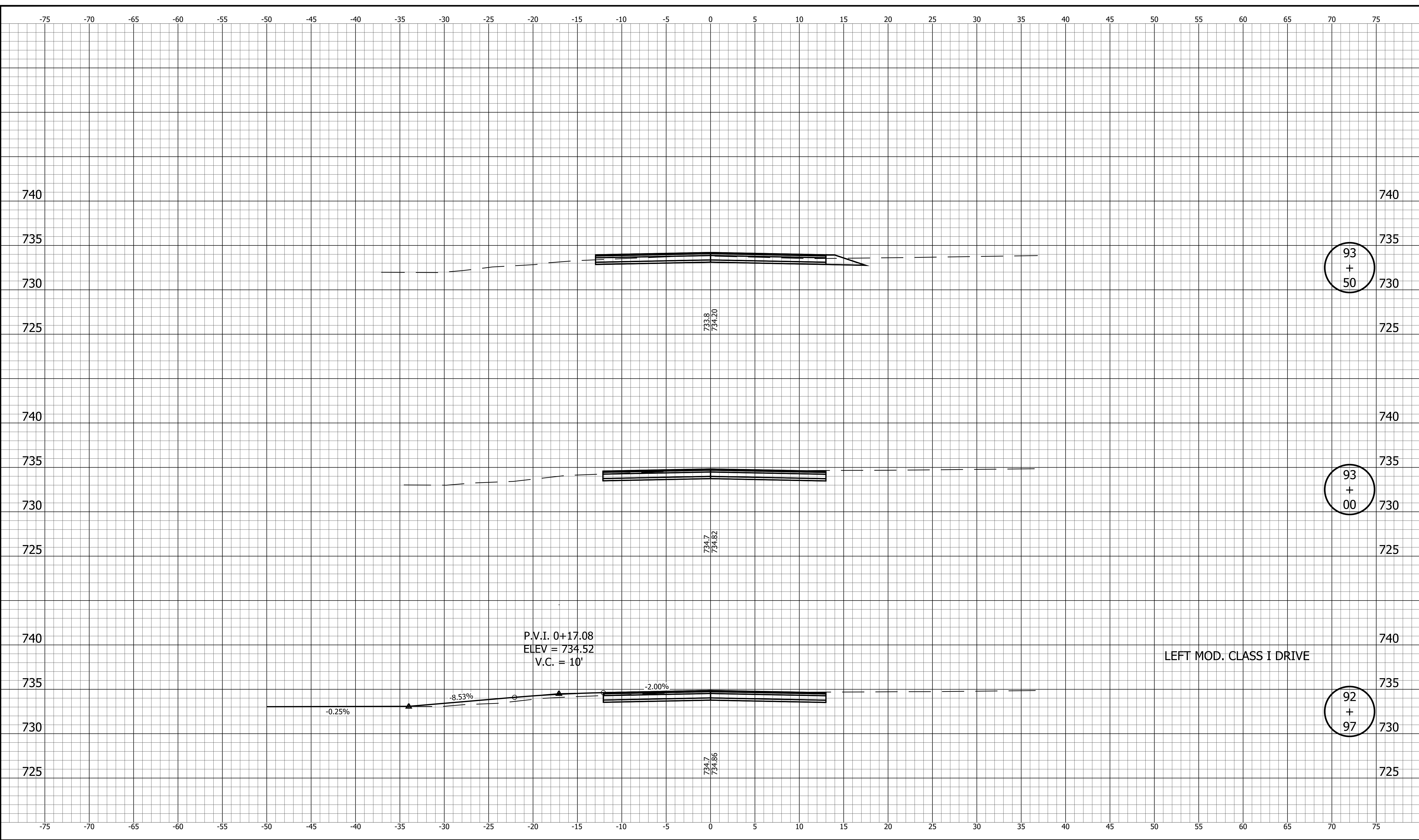


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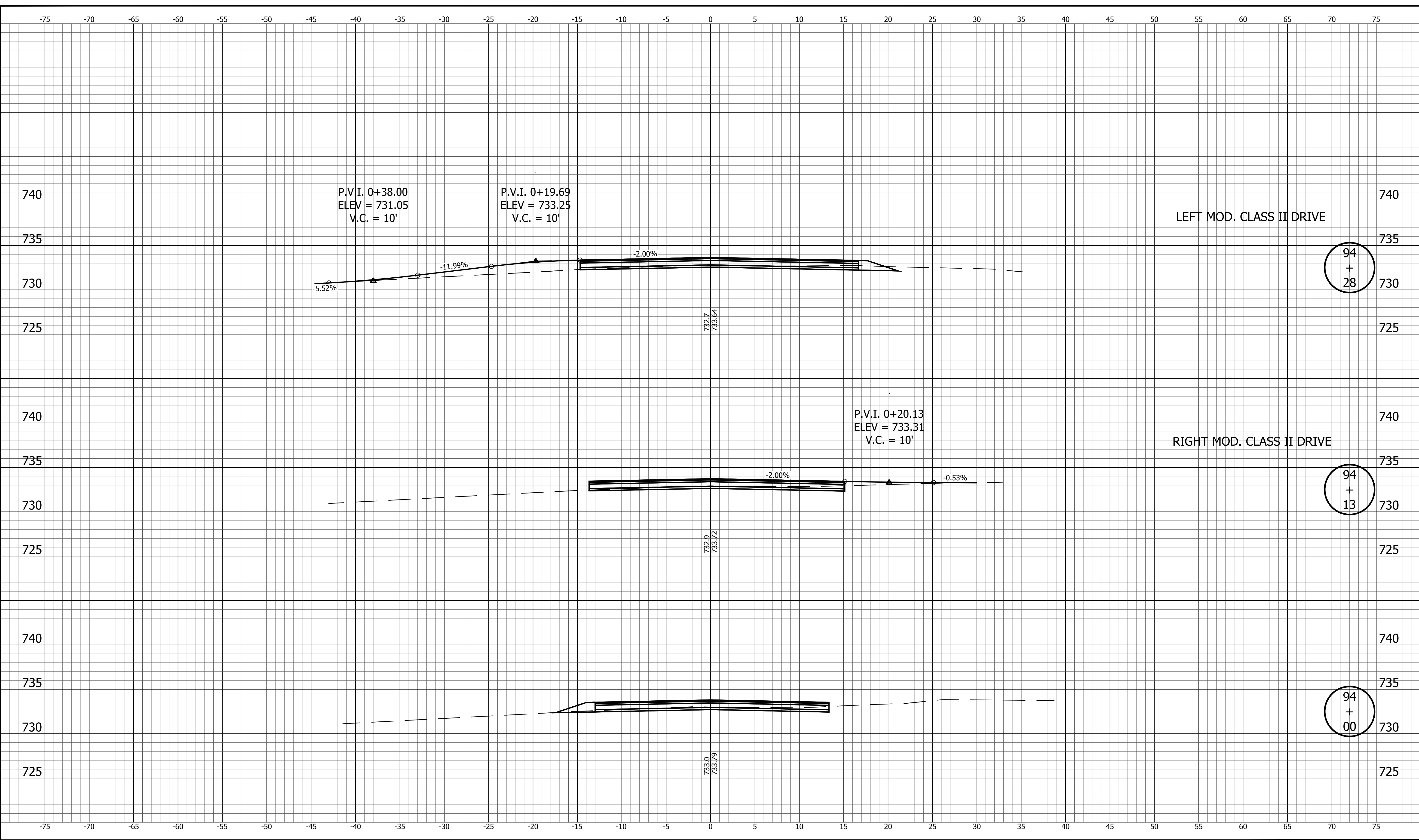
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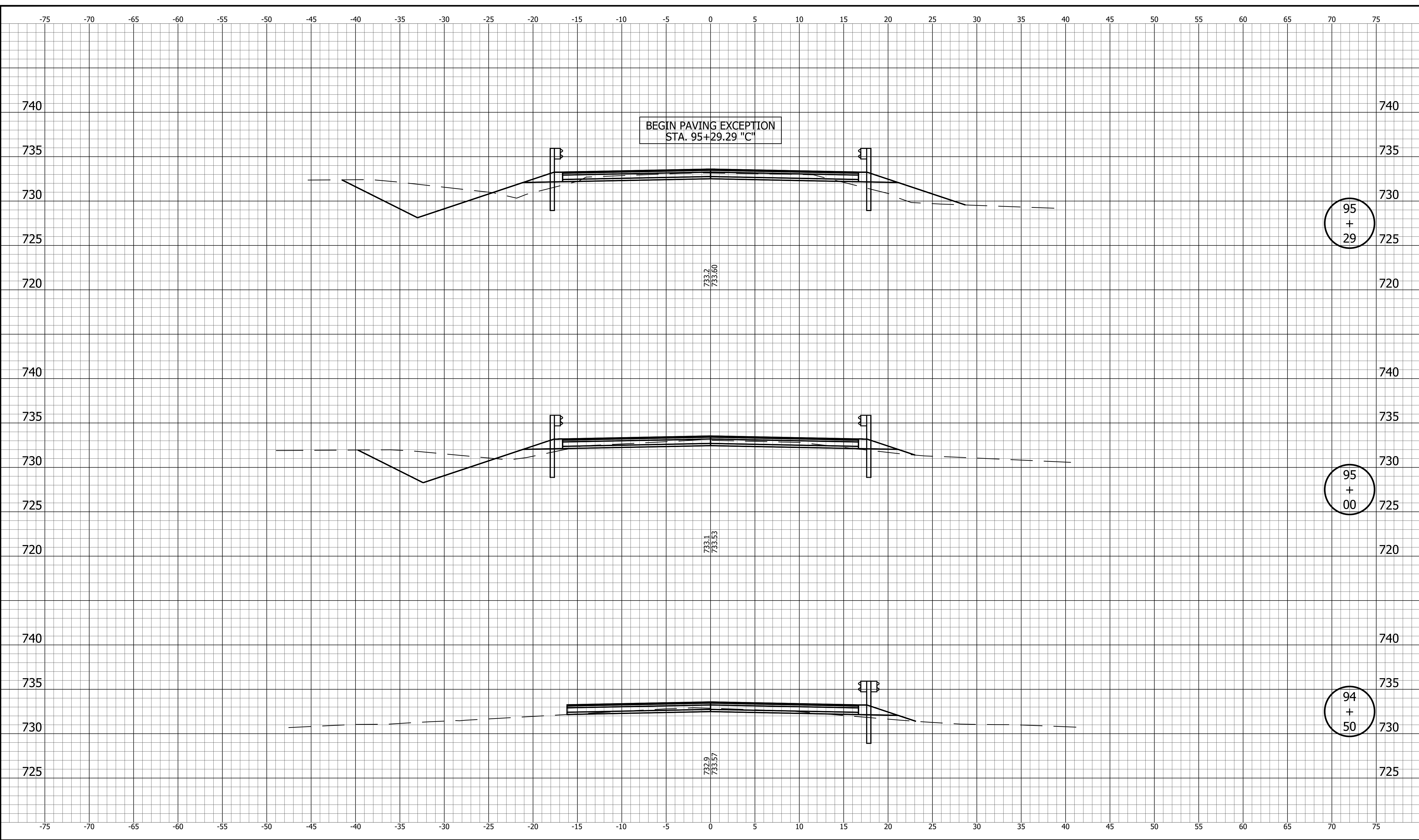
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			CONTRACT RS-39363	PROJECT 1593272

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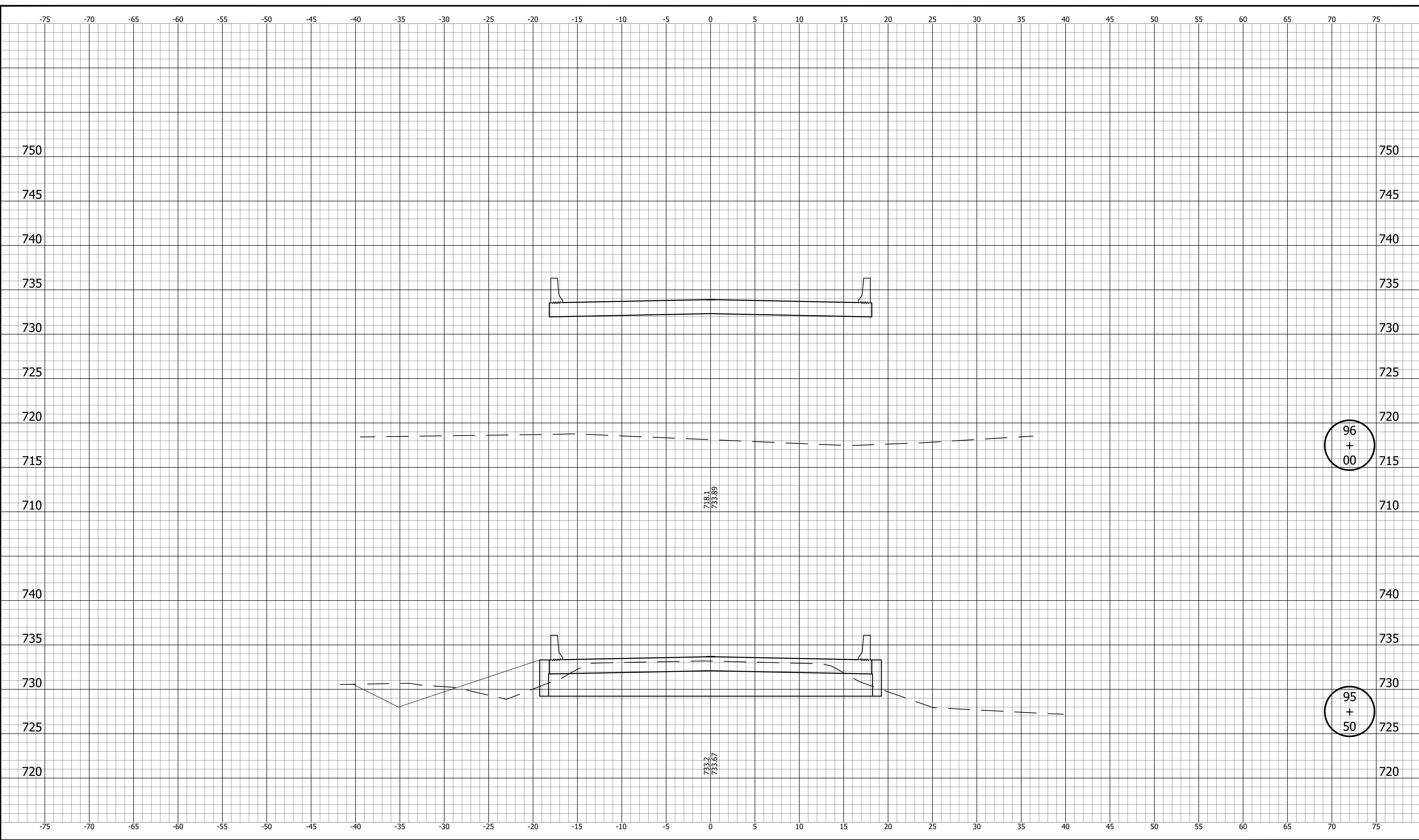
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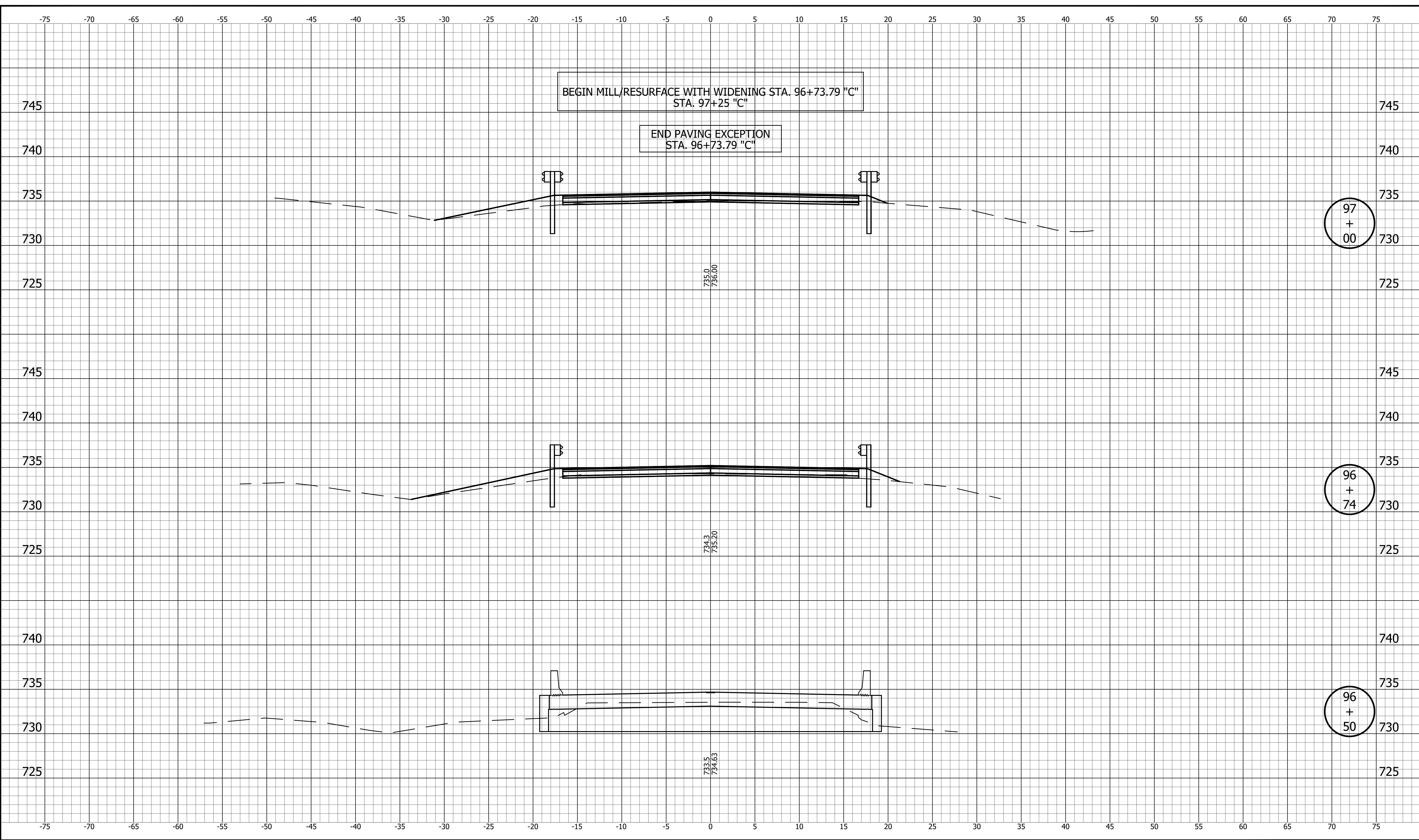


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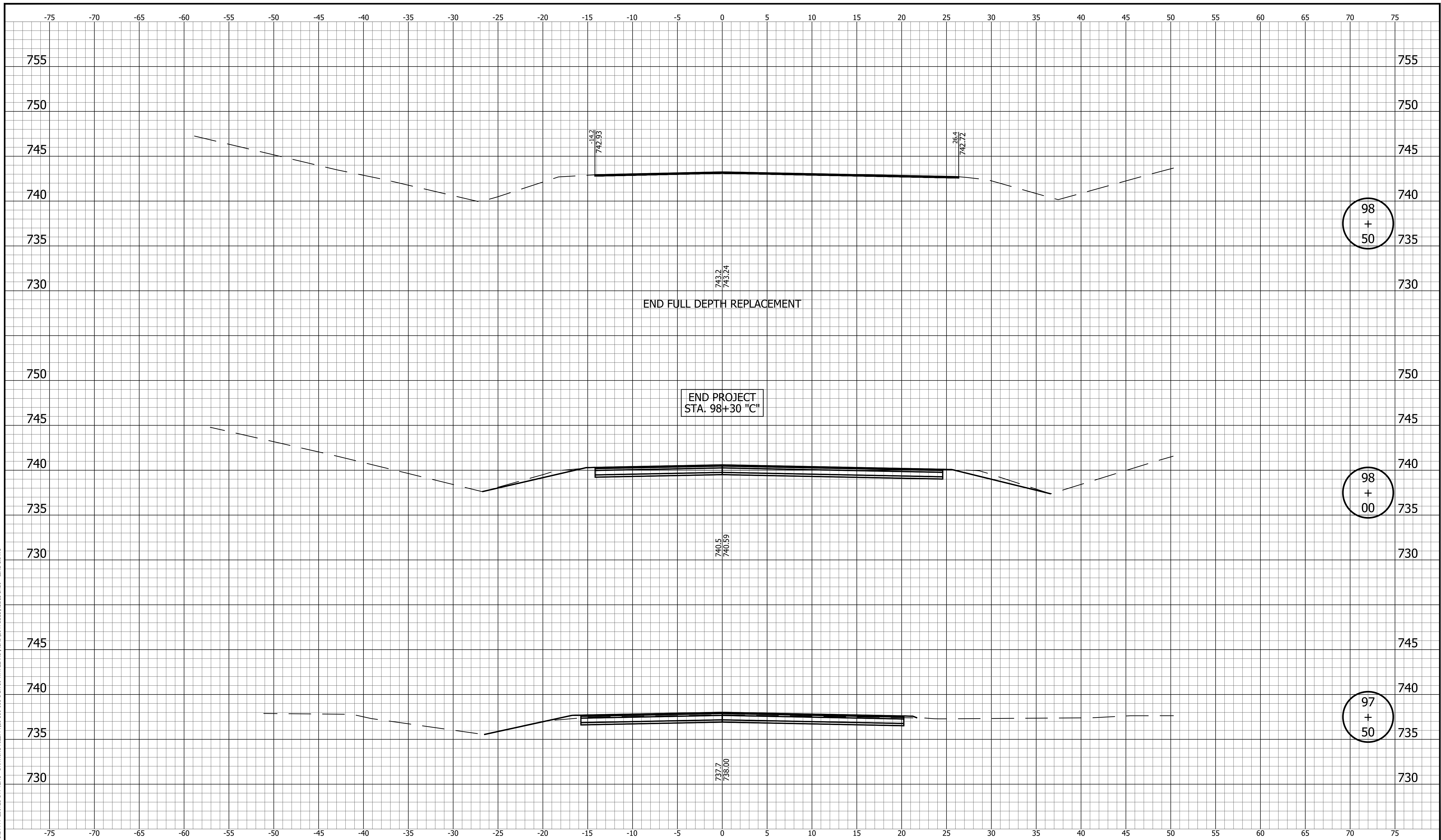
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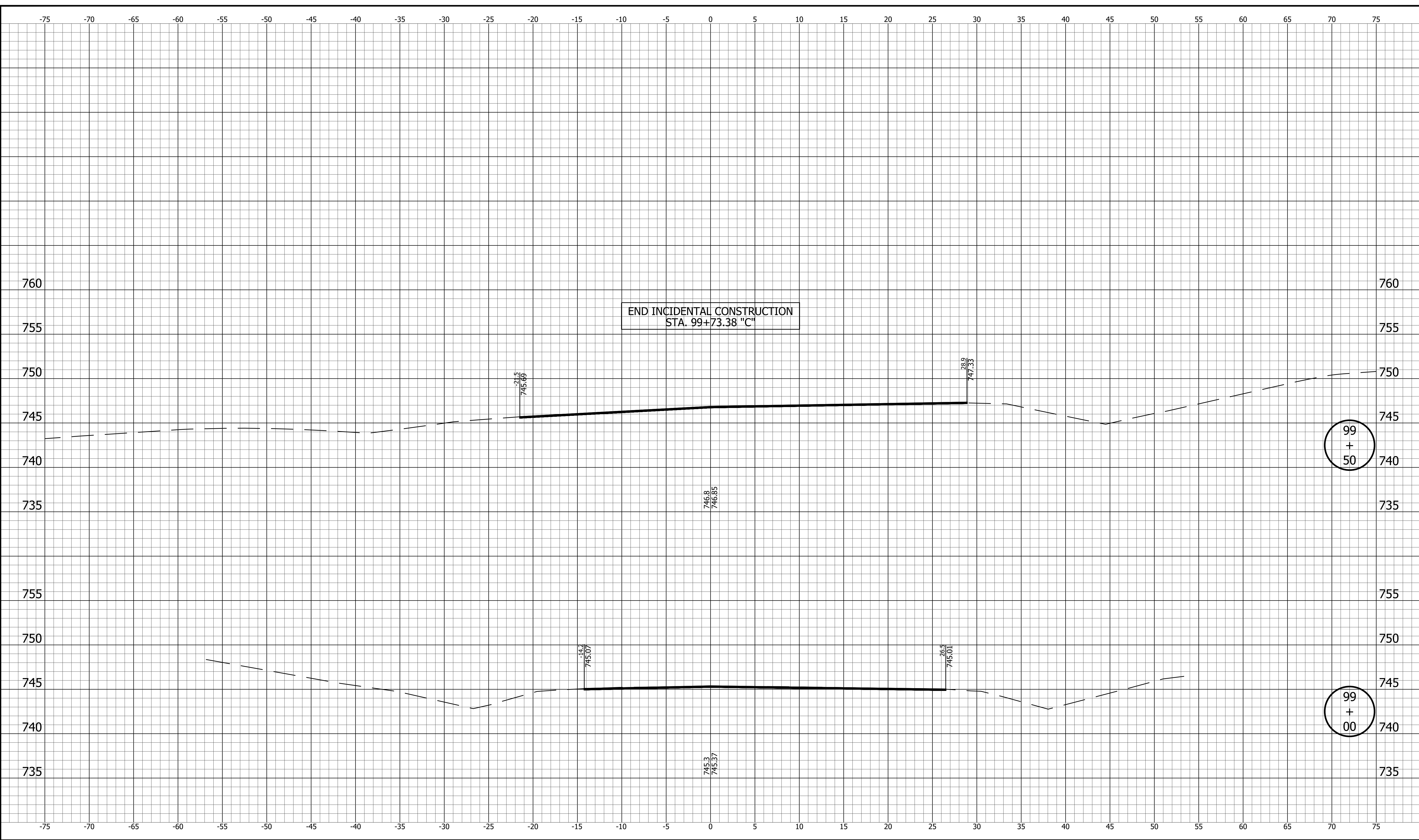
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**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**CROSS SECTIONS**  
**LINE "C"**

HORIZONTAL SCALE 1"=5'	BRIDGE FILE
VERTICAL SCALE 1"=5'	DESIGNATION 1593272
SURVEY BOOK	SHEET 93 of 94
CONTRACT RS-39363	PROJECT 1593272



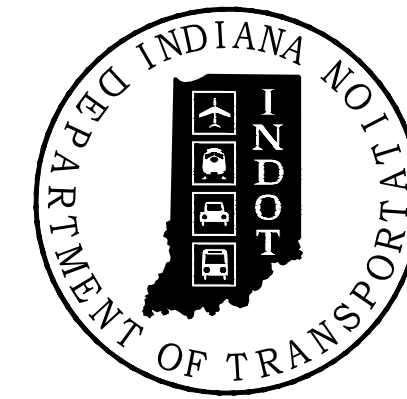
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PROJECT	DESIGNATION
1593272	1701591
CONTRACT	BRIDGE FILE
RS-39363	059-54-10327

# INDIANA DEPARTMENT OF TRANSPORTATION



NOTE TO REVIEWER:  
TRAFFIC DATA SHOWN IS PRELIMINARY AND  
BASED ON NEARBY PROJECT ON SR59

STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
059-54-10327	CONTINUOUS REINFORCED CONCRETE SLAB	3 SPANS: 32'-0", 38'-0", 32'-0" SKEW: SQUARE	LITTLE RACCOON CREEK	96+01.54 LINE "C"

KIN PROJECT INFORMATION	
DESIGNATION	PROJECT DESCRIPTION
1593272	SR 59 RECONSTRUCTION AND RESURFACE (LEAD DES)
1701591	SR 59 OVER LITTLE RACCOON CREEK BRIDGE REPLACEMENT

TRAFFIC DATA		
A.A.D.T. (2018)	1,111	V.P.D.
A.A.D.T. (2041)	1,350	V.P.D.
D.H.V. (2041)	145.4	V.P.H.
DIRECTIONAL DISTRIBUTION	9.50 %	A.A.D.T.
TRUCKS	10.77 %	D.H.V.

DESIGN DATA	
DESIGN SPEED	30 M.P.H
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	STATE COLLECTOR
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	NONE

## BRIDGE PLANS

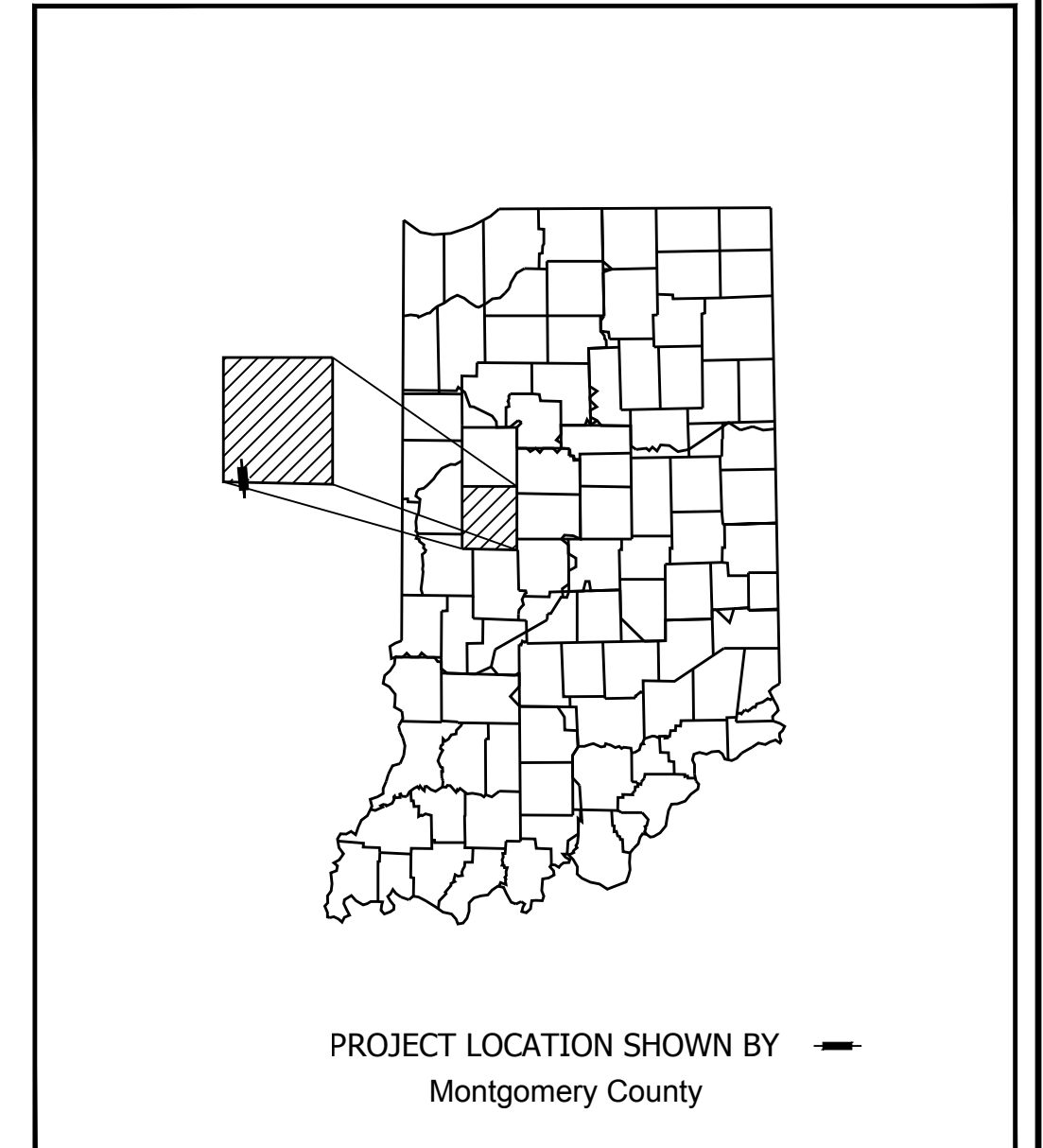
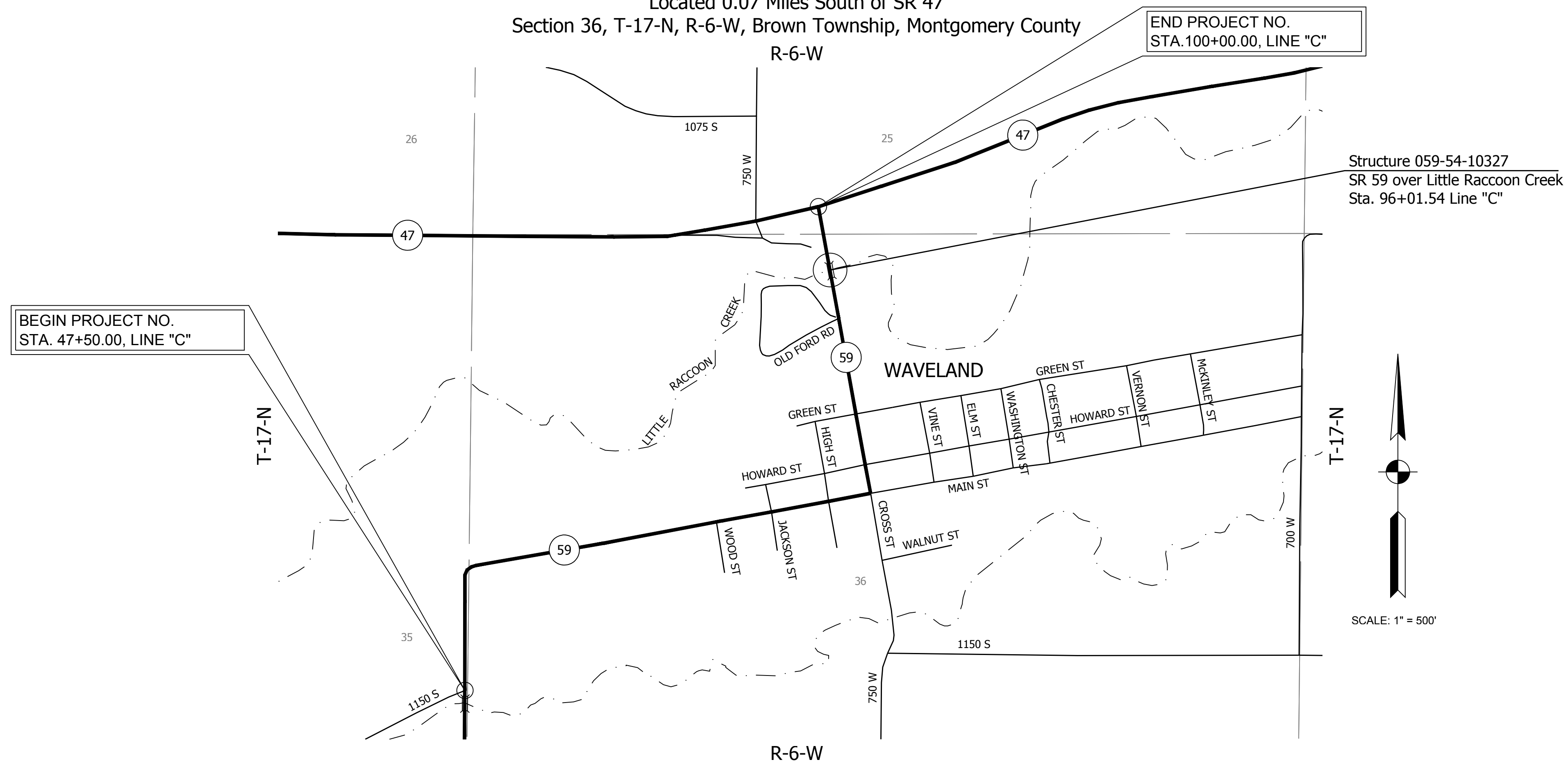
FOR SPANS OVER 20 FEET

ROUTE: SR 59 AT: RP 79+62  
PROJECT NO. 1701591 P.E.

1701591 CONST.

ADDITIONAL RIGHT-OF-WAY  
REQUIRED TO BE ACQUIRED UNDER  
THE LEAD DES 1593272.

Bridge Replacement on SR 59 over Little Raccoon Creek  
Located 0.07 Miles South of SR 47  
Section 36, T-17-N, R-6-W, Brown Township, Montgomery County



LATITUDE: 39° 52' 51" N LONGITUDE: 87° 02' 44" W

BRIDGE LENGTH :	0.027	MI.
ROADWAY LENGTH :	0.967	MI.
TOTAL LENGTH :	0.994	MI.
MAX. GRADE:	5.400	%

HUC: 051201081302

PFC Plans  
August 27, 2019

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

**RQAW**  
INTENTIONAL INNOVATION

8770 NORTH ST., STE. 110  
FISHERS, IN 46038  
P: 317.588.1798  
F: 317.588.1799  
WWW.RQAW.COM

PLANS PREPARED BY:	RQAW Corporation, Inc.	317-588-1798
		PHONE NUMBER
CERTIFIED BY:		DATE
APPROVED FOR LETTING:	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

	BRIDGE FILE
	059-54-10327
	DESIGNATION
	1701591
SURVEY BOOK	SHEET
	1 of 15
CONTRACT	PROJECT
RS-39363	1593272

### UTILITIES

COMMUNICATION: AT & T DISTRIBUTION 240 N. MERIDIAN STREET, ROOM 1791 INDIANAPOLIS, IN 46204 (317) 265-3050 MATT SPINDLER ms4822@att.com	ELECTRIC: DUKE ENERGY 390 N. MAIN STREET MARTINSVILLE, IN 46151 (765) 349-4012 CINDY ROWLAND cindy.rowland@duke-energy.com	
ELECTRIC: PARKE COUNTY R.E.M.C. 119 W. HIGH STREET ROCKVILLE, IN 47872 (765) 569-4234 GENE BAXTER gbaxter@pcremc.com	WATER: INDIANA AMERICAN WATER 555 E. COUNTY LINE ROAD, SUITE 201 GREENWOOD, IN 46143 (317) 885-2444 MICHAEL SEALS michael.seals@amwater.com	
SEWER: LITTLE RACCOON REGIONAL WASTE DISTRICT P.O. BOX 14 WAVELAND, IN 47989 (317) 918-1675 KIRK REWARTS little.raccoon@att.net		

### GENERAL NOTES

- \*\* All earth shoulders and cut and fill slopes shall be plain or mulch seeded except where sodding is specified.
- \*\* This set of Plans shall not be construed to be a property retracement survey. Where apparent property lines, corners, subdivision or section corner information are shown, they are based on physical evidence or testimony.
- \*\* These plans show the location of the utilities as existing in the field by the respective utility companies; therefore, the firm of RQAW Corporation does not accept any responsibility for the accuracy of this information.
- \*\* In accordance with Indiana Code 8-1, Chapter 26, the Contractor shall notify the Indiana Underground Plant Protection Service at 1-800-382-5544 at least two (2) full working days prior to any excavation or demolition.
- \*\* REPRESENTS GENERAL NOTES REQUIRED

### INDEX

SHEET NO.	DRAWING NO.	SUBJECT
1		TITLE SHEET
2		INDEX SHEET
3		TYPICAL SECTIONS (FOR INFORMATION ONLY)
4		PLAT NO. 1
5		TRAFFIC DETOUR
6		PLAN AND PROFILE (FOR INFORMATION ONLY)
7	C1	LAYOUT
8	C2	GENERAL PLAN
9		BRIDGE SUMMARY
10-12		CROSS SECTIONS - LINE "C"
13-14		CROSS SECTIONS - LINE "T-1-A"

### REVISIONS

SHEET NO.	DATE	DESCRIPTION OF REVISION



CALL 811 OR 1-800-382-5544  
24 HOURS A DAY,  
SEVEN DAYS A WEEK

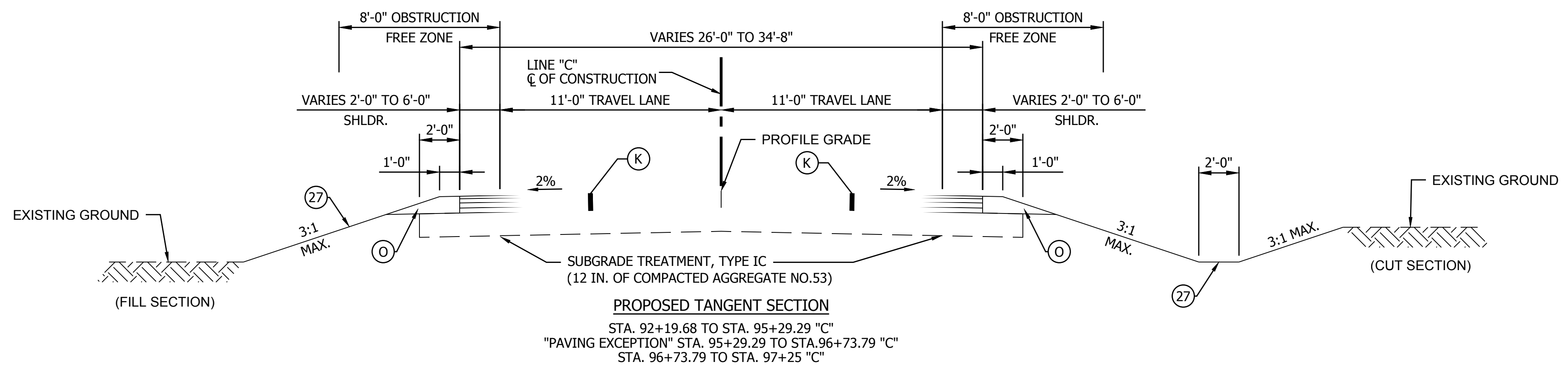
RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____	DATE _____
DESIGNED: <u>DOH</u>	DRAWN: <u>DRD</u>		
CHECKED: <u>JOD</u>	CHECKED: <u>JOD</u>		

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**INDEX**

HORIZONTAL SCALE	BRIDGE FILE
N/A	059-54-10327
VERTICAL SCALE	DESIGNATION
N/A	1701591
DRAWING	SHEET
of	2 of 15
CONTRACT	PROJECT
RS-39363	1593272

PRINT DATE: 1/17/20  
 PLOT SCALE: 1:1  
 EDIT DATE: 12/10/19 - 10:41 AM  
 EDITED BY: CANNONIAN  
 DRAWING FILE: P:\18-500-061 SR 59 WAVELAND\ACAD\03 TYPICAL\RD-TYPICALS-SR 59.DWG



NOTE TO REVIEWER:  
 PAVEMENT SECTIONS SHOWN ARE ASSUMED AND  
 WILL BE FINALIZED IN FUTURE SUBMISSIONS

**FOR INFORMATION ONLY**

LEGEND		
(15) Combined Concrete Curb & Gutter (26) Sodding, Nursery (27) Seed Mixture, U (F) Concrete Sidewalk, 4"	(K) 165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 12.5 mm 275 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 19.0 mm 880 lb/SYS QC/QA HMA Pavement, 2, 64, Base 25.0 mm (O) Compacted Agg. No. 53 (R) Milling, Asphalt 2.0" 220 lb/SYS QC/QA HMA 3, 70, Surface 12.5 mm	(R1) Milling, Asphalt Removal 220 lb/SYS QC/QA HMA 3, 70, Surface 12.5 mm 220 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 12.5 mm (W) 165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 9.5 mm 440 lb/SYS QC/QA HMA Intermediate, Type C Variable (Min. 660) lb/SYS QC/QA HMA Base, Type C Match Adjacent Pavement Depth

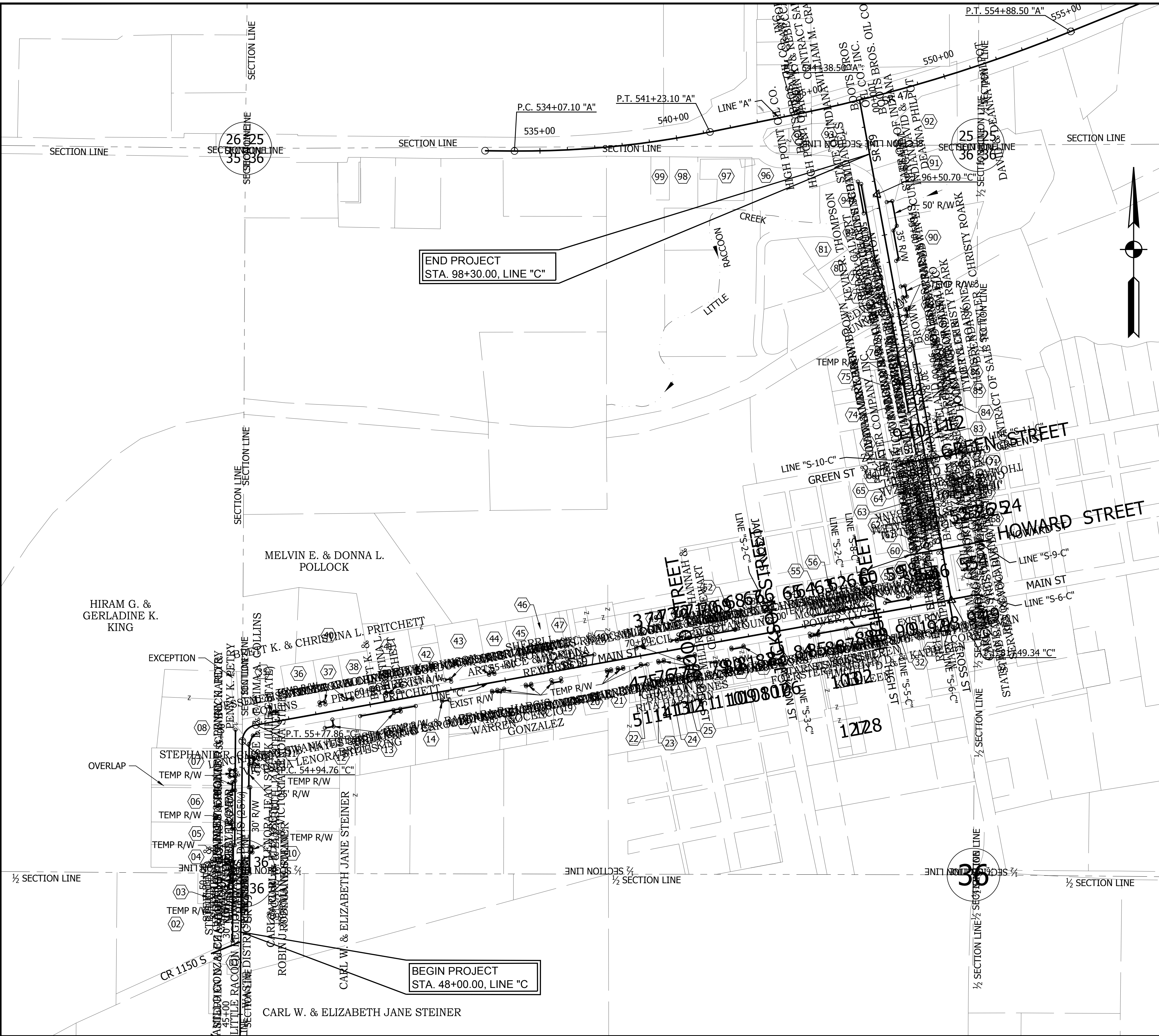
RECOMMENDED FOR APPROVAL	
DESIGN ENGINEER	DATE
DESIGNED: <u>Y.Z.</u>	DRAWN: <u>Y.Z.</u>
CHECKED: <u>J.R.S.</u>	CHECKED: <u>J.R.S.</u>

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**PROPOSED TYPICAL CROSS SECTIONS**  
**S.R. 59**

HORIZONTAL SCALE	BRIDGE FILE
1/4"=1'-0"	059-54-10327
VERTICAL SCALE	DESIGNATION
N/A	1701591
SURVEY BOOK	SHEET
	3 of 15
CONTRACT	PROJECT
RS-39363	1593272



PRINT DATE: 11/7/20  
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 EDIT DATE: 7/12/11 - 4:23 PM  
 EDITED BY: MMURRAY  
 DRAWING FILE: P:\18-500-061.1 SR 59 WAVELAND\ACAD\04-PLAT 1\18T-SR 59 WAVELAND-PLAT1.DWG

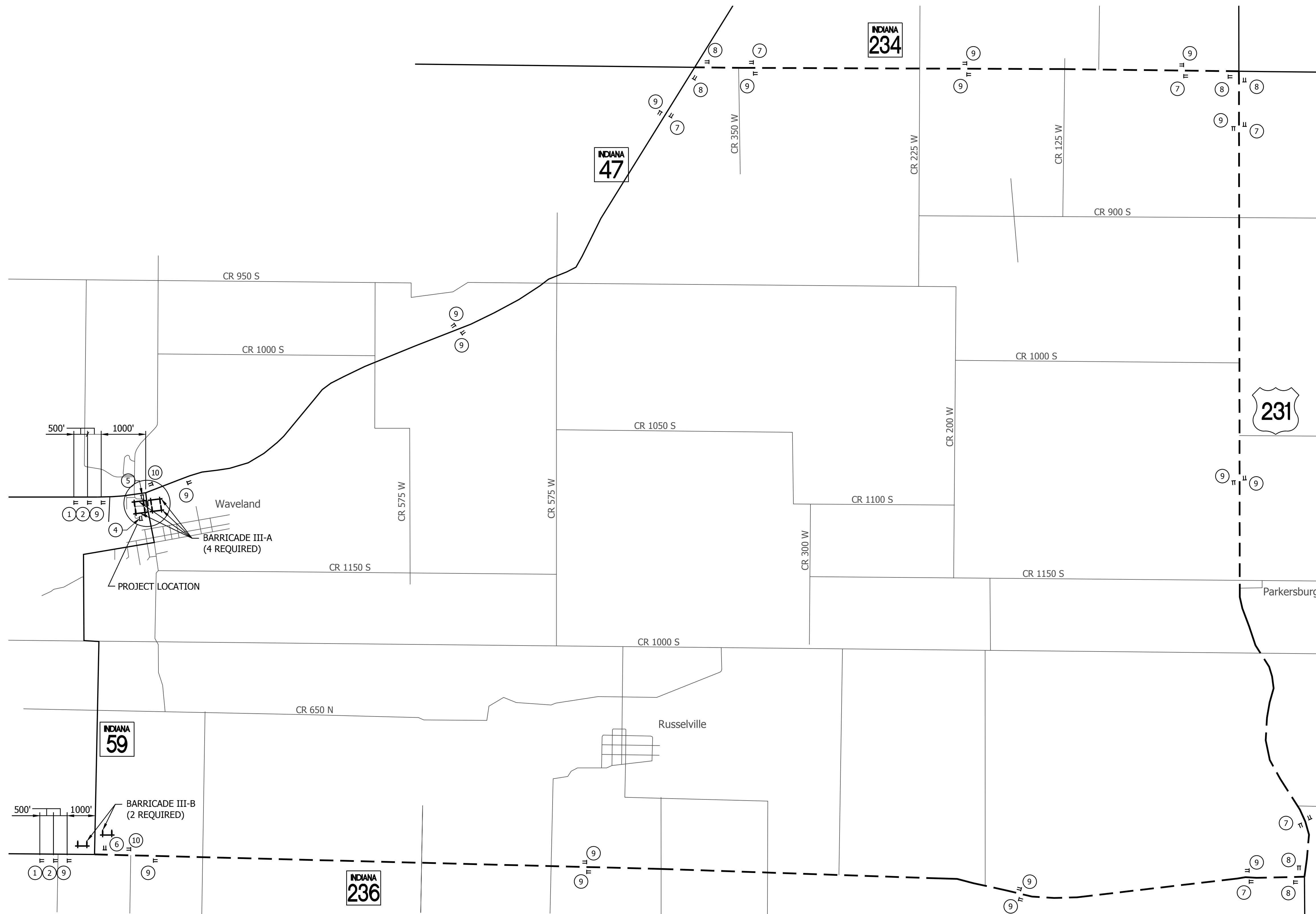


INDEX NO.	OWNER	INDEX NO.	OWNER
01	LITTLE RACCOON REGIONAL WASTE DISTRICT	44	CAROL A. BRUNETTE
02	STEPHEN D. & CHARLOTTE J. THOMAS	45	SHERRI L. TROYER
03	STEPHEN D. & CHARLOTTE J. THOMAS	46	ZACHARY T. RICE & ADRIANA REWERTS
04	CLYDIA MAE KENNEDY (50%) MELISSA J. KELLER (25%) CHARLES B. DAVIS (25%)	47	MICHAEL L. & MICAH L. CHURCH
05	BRADLEY & SHERRY TROYER	48	LARRY D. SERVIES REVOCABLE LIVING TRUST
06	JOHN A. HOLT	49	JAMES D. & JAMIE A. PAUL
07	STEPHANIE R. CLINE	50	MILDRED E. HANNAH & CECIL STEWART
08	RICHARD & PENNY K. PETRY	51	CONNIE & ROGER IRELAN
09	CARL & ROBIN J. NORMAN	52	JAMISON L. CLARK
10	CARL W. & ELIZABETH JANE STEINER	53	RICHARD A. & DEANNA S. YOUNG
11	LENORA JEAN SWANK (LIFE ESTATE) & VICTORIA LENORA SITTES	54	WAVELAND CHRISTIAN CHURCH
12	DONALD B. HAYES & NEIL C. HAYES	55	DERREK W. McCLURE
13	BRETT KING	56	WAVELAND OUTDOOR POWER, LLC
14	ARTHUR R. & CAROL A. FRANCE	57	HEATHER I. NOWAK
15	DAVID A. & BARBARA R. HARGIS	58	KEITH W. SIMS
16	JENNIFER L. WARREN	59	SHANE JONES
17	AMADO OCAMPO RAMOS	60	CAMILLO GONZALEZ
18	INOCENCIO GONZALEZ	61	SISTER'S FLOWERS & GIFTS
19	RITA A. HARTMAN	62	NORTH SALEM STATE BANK
20	EPLINIO TREVINO DIAS	63	NORTH SALEM STATE BANK
21	MARY E. LIPPMAN	64	ALLEN E. & MIA D. RITCHINGS
22	SHERRY L. TROYER	65	RACHEL MARIE SMITH
23	JUDITH PORTER	66	RUSSELL R. NELSON, JR. & ELLISHA DIAZ
24	BEVERLY CHAPLAIN & RITA HARTMAN	67	CARL W. MORGAN & NORTH SALEM STATE BANK, TRUSTEE OF THE LARRY D. SERVIES REVOCABLE LIVING TRUST
25	RALPH J. & BRENDA JONES	68	CAMILLO GONZALEZ
26	BRADLEY TROYER	69	JEREMY POTTER
27	SHANE J. JONES	70	CHARLOTTE K. NEW
28	CRYSTAL K. YORK	71	THOMAS & ROXIE ANTCAZAK CONTRACT OF SALE TO CAMILLO GONZALEZ
29	HAROLD E., SR. & WYNONA W. STARNES	72	STEVEN W. & STACEY L. PADDOCK
30	HAROLD E., SR. & WYNONA W. STARNES	73	BROWN TOWNSHIP IMPROVEMENT COMMITTEE, WAVELAND VETERAN & WAR MEMORIAL PROJECT
31	FOERSTER, TIMOTHY D. & KATHLEEN	74	VICTOR PEVLAR & NATALIE DRAKE
32	MARTIN & SHANNON WITTE	75	IVAN LEROY, JR. & MARY C. BROWN
33	RICHARD L. & MARY E. LIPPMAN	76	IVAN L. & MARY C. BROWN
34	DAWN M. CORWIN	77	DAVID E. & RITA D. FULLENWIDER
35	JESSE L. & FATIMA A. COLLINS	78	SHAWN MICHAEL & MERCEDES BLANTON
36	MELISSA D. BROWN	79	LEROY & RITA K. BLANTON
37	BRENDA L. ALLEN	80	FRED R. CALVERT
38	BRETT K. & CHRISTINA L. PRITCHETT	81	KEVIN R. THOMPSON
39	RHONDA J. OWENS	82	EDWIN E. CUNNINGHAM
40	BRETT K. & CHRISTINA L. PRITCHETT	83	TOWN OF WAVELAND
41	BRETT K. & CHRISTINA L. PRITCHETT	84	SHERRI K. FARFAN
42	RUTH R. JOHNSON	85	LISA M. CAUDILL
43	GORDON M. ARTS	86	RONALD D. & HOLLY A. ORAM
		87	BRENDA JONES
		88	BRENDA JONES CONTRACT OF SALE TO TYLER & CHRISTY ROARK
		89	HSD OF CENTRAL INDIANA LLC
		90	RAMSAY FARMS
		91	EDWIN E. CUNNINGHAM
		92	DAVID & DEANNA PHILPOT
		93	STATE OF INDIANA
		94	CHARLSE SCOTT DANIELS
		95	HIGH POINT OIL CO.
		96	MICHAEL B. DICKSON
		97	J R PELYCAN PROPERTY LLC
		98	MARK & APRIL (H/W) WHITECOTTON

**FOR INFORMATION ONLY**

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	DESIGNED: JPT DRAWN: DRD CHECKED: JOD CHECKED: JOD	INDIANA DEPARTMENT OF TRANSPORTATION  PLAT NO. 1	HORIZONTAL SCALE	BRIDGE FILE
			N/A	059-54-10327
			VERTICAL SCALE	DESIGNATION
				1701591
			SURVEY BOOK	SHEET
				4 of 15
			CONTRACT	PROJECT
			RS-39363	1593272

PRINT DATE: 1/17/20  
 PLOT SCALE: 1:1  
 EDIT DATE: 7/12/11 8:40 AM  
 EDITED BY: HMURRAY  
 DRAWING FILE: P:\18-500-06-1 SR 59 WAVELAND\ACAD\05 NOT\DETOUR2.DWG



**LEGEND:**

 ① XW20-3 (48"x48")	 ② XW20-2 (48"x48")	
 ④ R11-2 (48"x30")	 ⑤ R11-3 AND (60"x30") XM4-10 (L) (48"x18")	 ⑥ R11-3 AND (60"x30") XM4-10 (R) (48"x18")
 ⑦ XM4-8 (24"x12") M1-4 or M1-6 M5-1 (R) or (L) (21"x15")	 ⑧ XM4-8 (24"x12") M1-4 or M1-6 M6-1 (L) or (R) (21"x15")	 ⑨ XM4-8 (24"x12") M1-4 or M1-6 M6-3 (21"x15")
 ⑩ XM4-6S (24"x12") XM4-8 (24"x12") M1-4 or M1-6 M6-3 (21"x15")		

**NOTE TO REVIEWER:**  
 TRAFFIC MAINTENANCE PROVIDED FOR INFORMATION ONLY AND WILL BE FINALIZED FOR NEXT SUBMISSION

<b>SEPARATE PAY ITEMS</b>	
MAINTAINING TRAFFIC	1 LSUM
CONSTRUCTION SIGN, TYPE A	5 EACH
ROAD CLOSURE SIGN ASSEMBLY	2 EACH
DETOUR ROUTE MARKER ASSEMBLY	35 EACH
STANDARD BARRICADE TYPE III-A	48 LFT.
STANDARD BARRICADE, TYPE III-B	24 LFT.

**LEGEND**

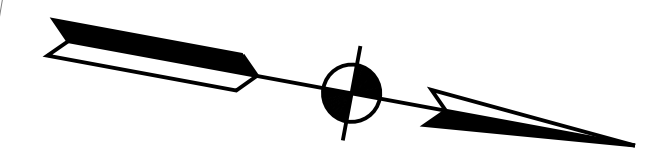
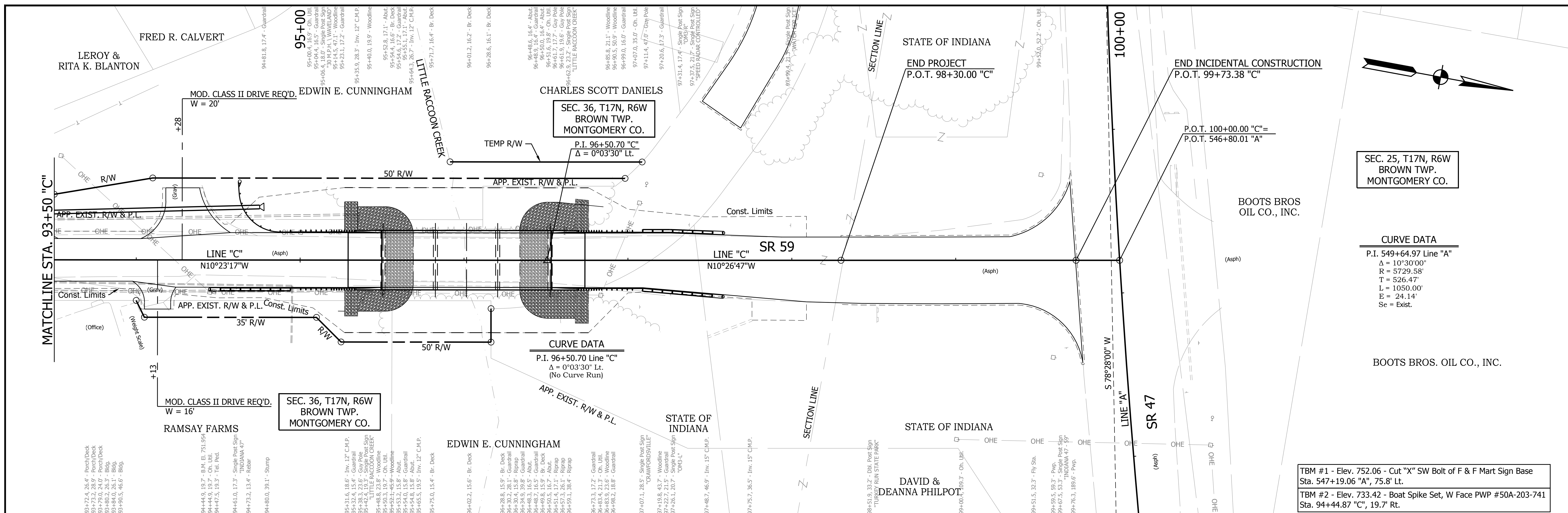
Construction Sign w/ Type "A" Light  
 Barricade Type III (12 LFT)

**FOR INFORMATION ONLY**

**TRAFFIC MAINTENANCE DETOUR**  
 Scale: 1" = 2000'

	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>		HORIZONTAL SCALE N/A	BRIDGE FILE 059-54-10327
	DESIGNED: <u>JPT</u> DRAWN: <u>DRD</u>	<b>TRAFFIC DETOUR</b>		VERTICAL SCALE N/A	DESIGNATION 1701591
	CHECKED: <u>JOD</u> CHECKED: <u>JOD</u>			SURVEY BOOK	SHEET 5 of 15
				CONTRACT RS-39363	PROJECT 1593272

PRINT DATE: 1/17/20  
 PLOT SCALE: 1" = 110'  
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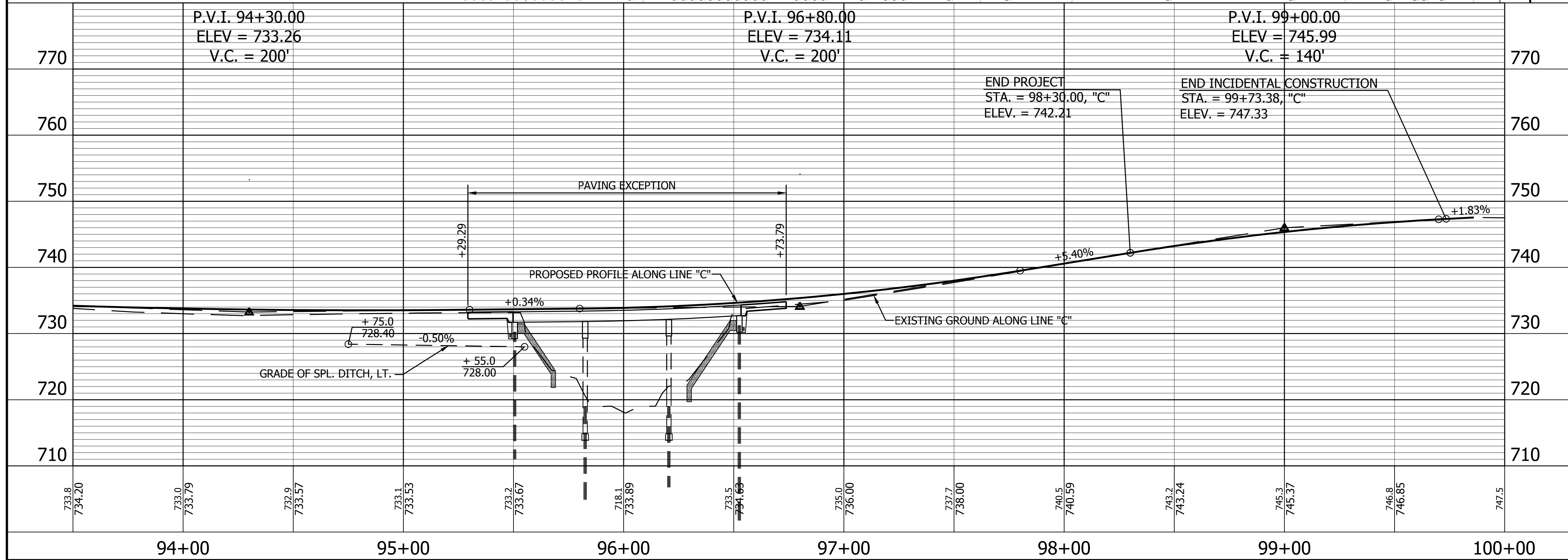


SEC. 25, T17N, R6W  
BROWN TWP.  
MONTGOMERY CO.

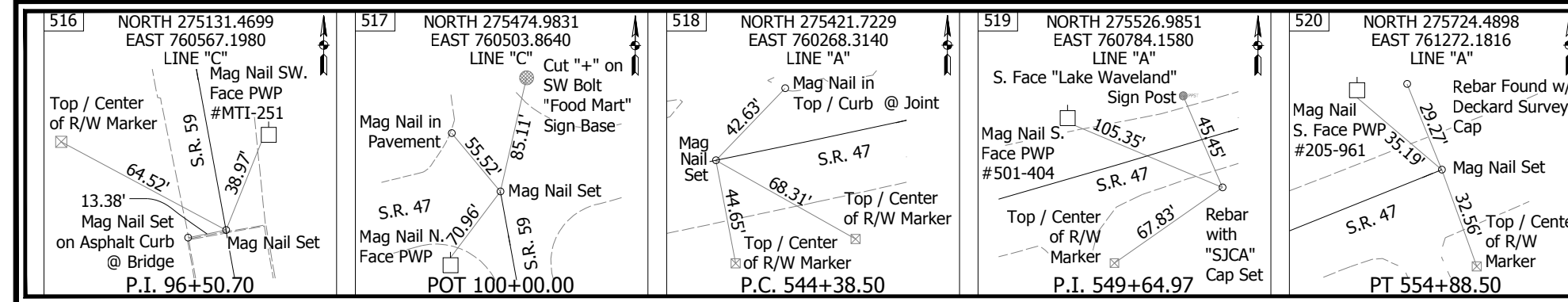
**CURVE DATA**  
 P.I. 549+64.97 Line "A"  
 $\Delta = 10^{\circ}30'00''$   
 $R = 5729.58'$   
 $T = 526.47'$   
 $L = 1050.00'$   
 $E = 24.14'$   
 $Se = \text{Exist.}$

BOOTS BROS. OIL CO., INC.

TBM #1 - Elev. 752.06 - Cut "X" SW Bolt of F & F Mart Sign Base  
 Sta. 547+19.06 "A", 75.8' Lt.  
 TBM #2 - Elev. 733.42 - Boat Spike Set, W Face PWP #50A-203-741  
 Sta. 94+44.87 "C", 19.7' Rt.



**FOR INFORMATION ONLY**

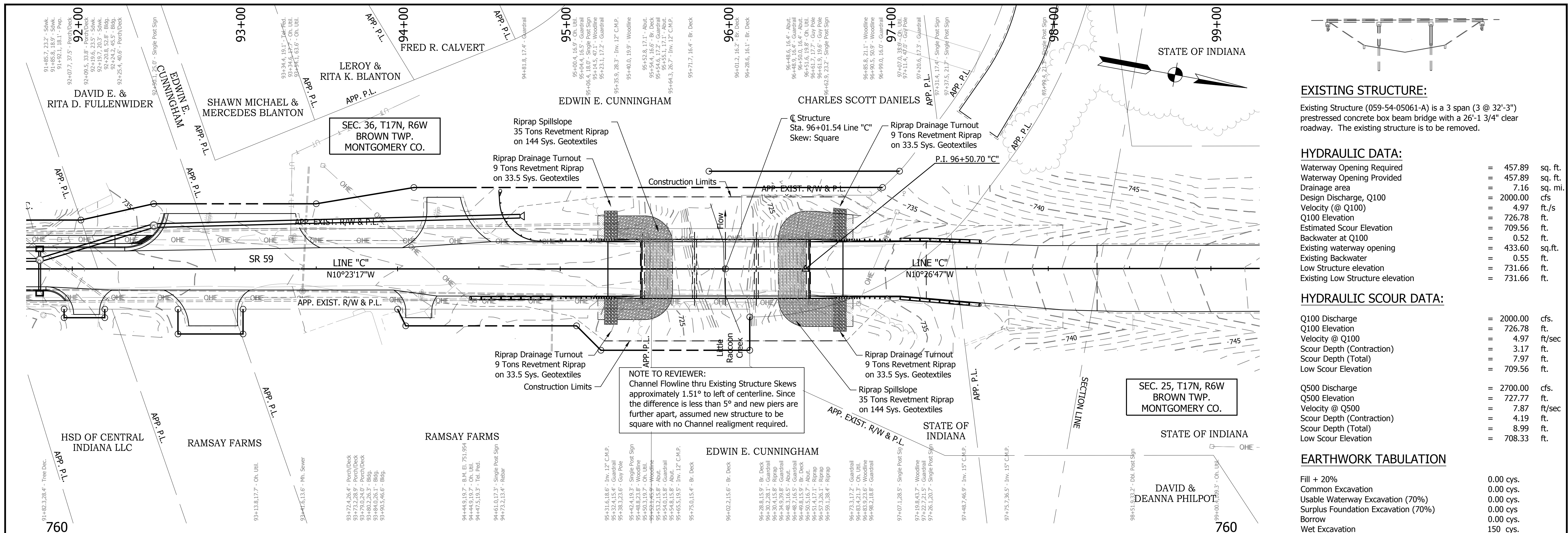


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JPT	DRAWN: DRD	
CHECKED: JOD	CHECKED: JOD	

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**PLAN AND PROFILE**  
**STA. 93+50.00 TO 100+00.00 LINE "C"**

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	059-54-10327
VERTICAL SCALE	DESIGNATION
1" = 10'	1701591
SURVEY BOOK	SHEET
	6 of 15
CONTRACT	PROJECT
RS-39363	1593272





**EXISTING STRUCTURE:**  
 Existing Structure (059-54-05061-A) is a 3 span (3 @ 32'-3") prestressed concrete box beam bridge with a 26'-1 3/4" clear roadway. The existing structure is to be removed.

**HYDRAULIC DATA:**

Waterway Opening Required	=	457.89	sq. ft.
Waterway Opening Provided	=	457.89	sq. ft.
Drainage area	=	7.16	sq. mi.
Design Discharge, Q100	=	2000.00	cfs
Velocity @ Q100	=	4.97	ft./s
Q100 Elevation	=	726.78	ft.
Estimated Scour Elevation	=	709.56	ft.
Backwater at Q100	=	0.52	ft.
Existing waterway opening	=	433.60	sq.ft.
Existing Backwater	=	0.55	ft.
Low Structure elevation	=	731.66	ft.
Existing Low Structure elevation	=	731.66	ft.

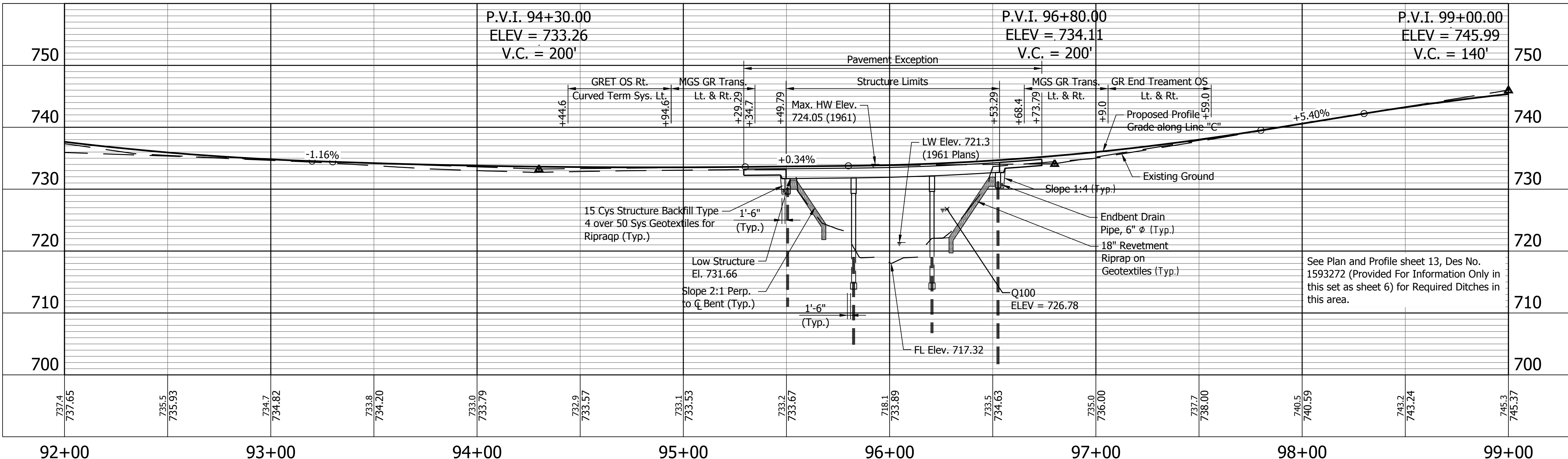
**HYDRAULIC SCOUR DATA:**

Q100 Discharge	=	2000.00	cfs.
Q100 Elevation	=	726.78	ft.
Velocity @ Q100	=	4.97	ft/sec
Scour Depth (Contraction)	=	3.17	ft.
Scour Depth (Total)	=	7.97	ft.
Low Scour Elevation	=	709.56	ft.

Q500 Discharge	=	2700.00	cfs.
Q500 Elevation	=	727.77	ft.
Velocity @ Q500	=	7.87	ft/sec
Scour Depth (Contraction)	=	4.19	ft.
Scour Depth (Total)	=	8.99	ft.
Low Scour Elevation	=	708.33	ft.

**EARTHWORK TABULATION**

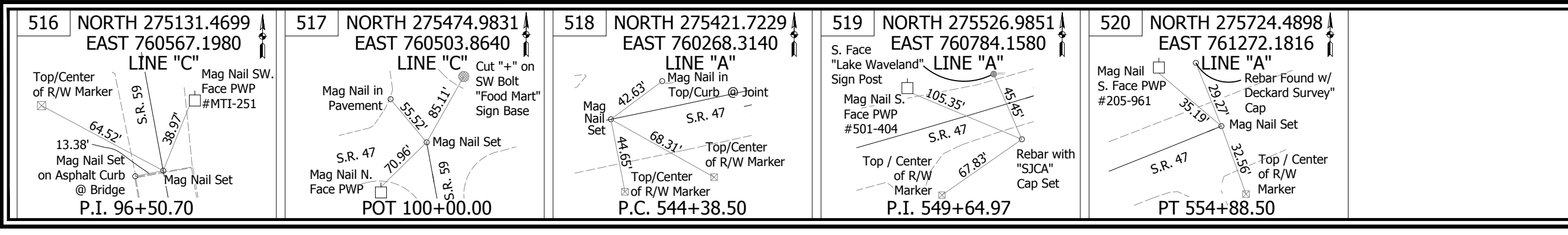
Fill + 20%	=	0.00	cys.
Common Excavation	=	0.00	cys.
Usable Waterway Excavation (70%)	=	0.00	cys.
Surplus Foundation Excavation (70%)	=	0.00	cys.
Borrow	=	0.00	cys.
Wet Excavation	=	150	cys.
Total Waterway Excavation	=	0.00	cys.
Excavation Unclassified	=	0.00	cys.
Benching (Estimated)	=	0.00	cys.



**NOTES TO REVIEWER:**  
 Quantities shown are preliminary and will be finalized in future submittals.  
 Earthwork tabulations included in Des 1593272

TBM #1 - Elev. 752.06 - Cut "X" SW Bolt of F & F Mart Sign Base Sta. 547+19.06 "A", 75.8' Lt.  
 TBM #2 - Elev. 733.42 - Boat Spike Set, W Face PWP #50A-203-741 Sta. 94+44.87 "C", 19.7' Rt.

**CONTINUOUS REINFORCED CONCRETE SLAB BRIDGE**  
 3 SPANS: 32'-0", 38'-0", 32'-0"  
 SKEW: SQUARE  
 CLEAR ROADWAY: 33'-4"  
 S.R. 59 OVER LITTLE RACCOON CREEK  
 MONTGOMERY COUNTY

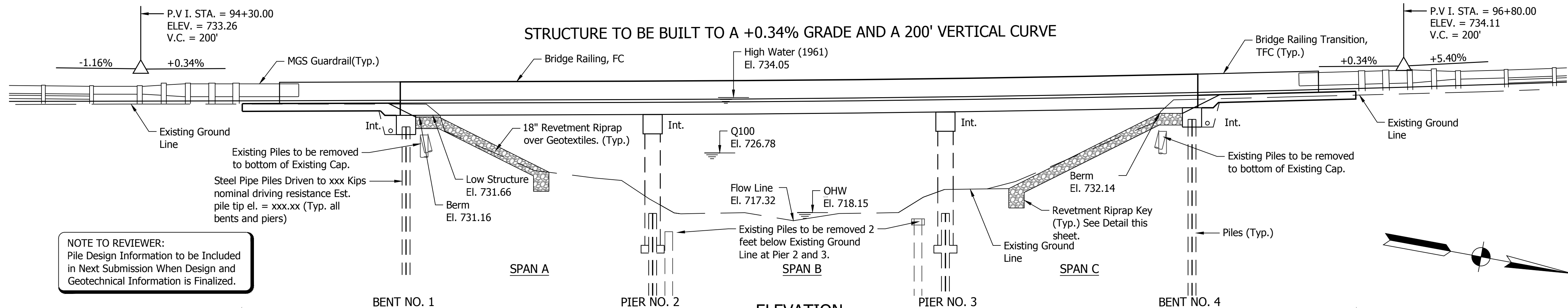


RECOMMENDED FOR APPROVAL \_\_\_\_\_ DESIGN ENGINEER DATE \_\_\_\_\_

DESIGNED: DOH DRAWN: DRD

CHECKED: JOD CHECKED: JOD

INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE	BRIDGE FILE
		1" = 30'-0"	059-54-10327
LAYOUT		VERTICAL SCALE	DESIGNATION
		1" = 10'-0"	1701591
DRAWING SHEET		C1 of C2	7 of 15
		CONTRACT PROJECT	
RS-39363		1593272	



NOTE TO REVIEWER:  
Pile Design Information to be Included in Next Submission When Design and Geotechnical Information is Finalized.

**GENERAL NOTES:**  
Plans for the existing structure are on file at the Indiana Department of Transportation as bridge files: 059-54-05061 & 059-54-05061A and are available upon request.

Reinforcing steel covering shall be 2 1/2" in top of approach slab, 1" in bottom of approach slab and 2" all other locations.

Surface seal all exposed surfaces of the deck, railing, transitions, approach slabs, coping and underside of the coping to the drip bead (Typ.)

**DESIGN DATA:**  
**LIVE LOADS:**  
Designed for HL-93 loading in accordance with the 2017 AASHTO LRFD Bridge Design Specifications, Eighth Edition and all Subsequent Interims.

**DEAD LOAD:**  
Actual weight plus 35 psf for future wearing surface.

**FLOOR SLAB:**  
Designed with a 18 1/2" structural depth plus 1/2" sacrificial wearing surface.

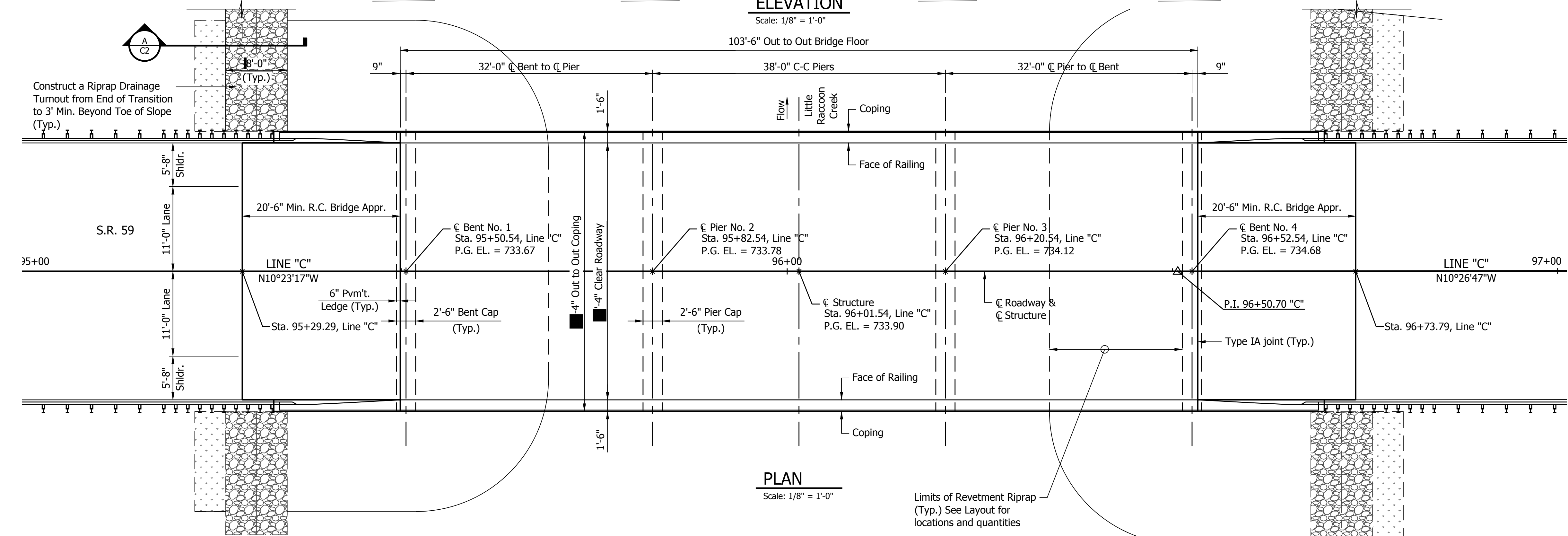
**DESIGN STRESSES:**  
**CONCRETE:**  
Class "A" f<sub>c</sub> = 3,500 psi  
Class "B" f<sub>c</sub> = 3,000 psi  
Class "C" f<sub>c</sub> = 4,000 psi

**REINFORCING STEEL:**  
Grade 60 F<sub>y</sub> = 60,000 psi

**WIND LOAD:**  
Designed for 70 mph horizontal wind loading in accordance with LRFD 3.8.1

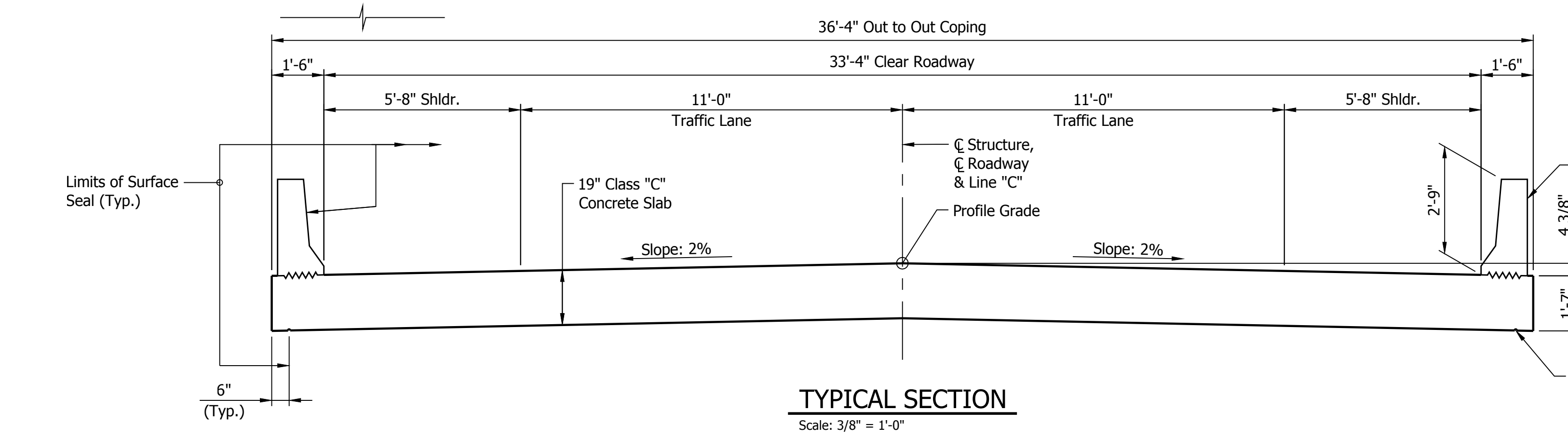
**SEISMIC DATA:**  
Seismic Performance Zone TBD  
Acceleration Coefficient TBD  
Seismic Soil Profile Type TBD

NOTE TO REVIEWER:  
Seismic Information to be Provided at Next Submission When Geotechnical Information is Finalized.

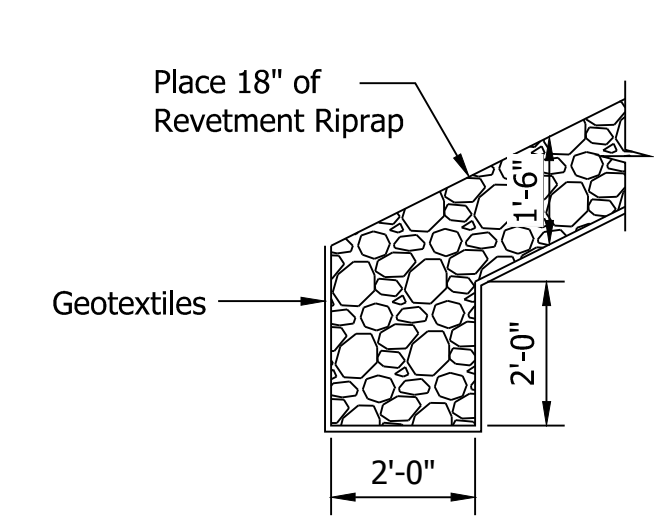


**PLAN**  
Scale: 1/8" = 1'-0"

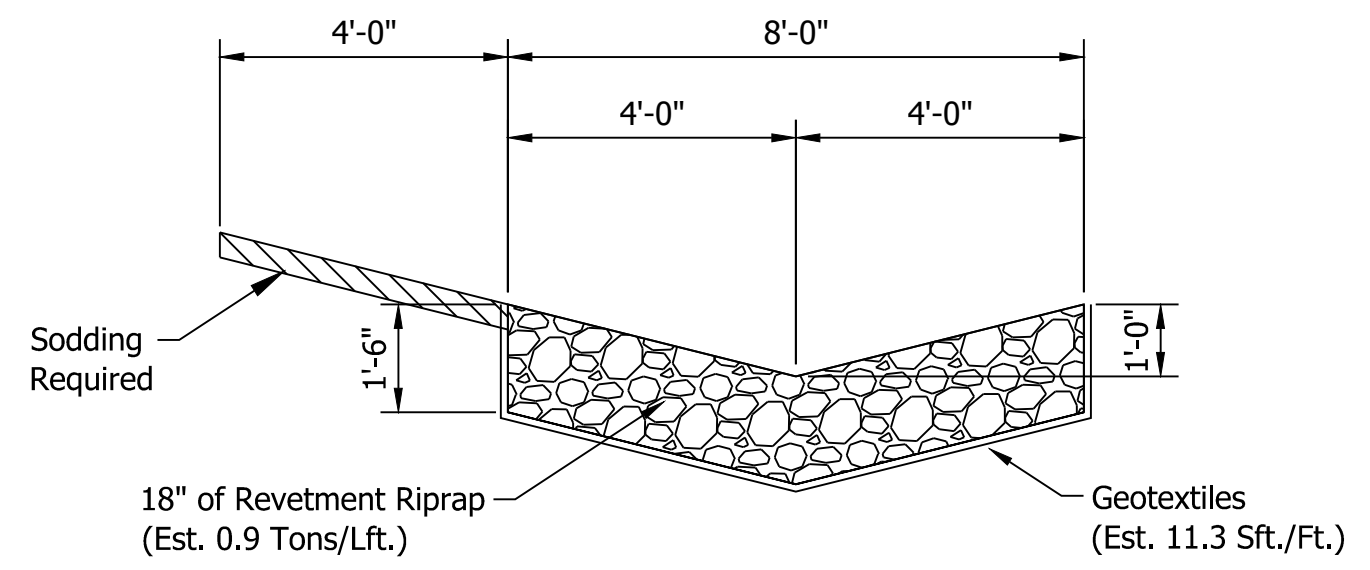
Limits of Revetment Riprap (Typ.) See Layout for locations and quantities



**TYPICAL SECTION**  
Scale: 3/8" = 1'-0"



**SECTION THRU RIPRAP KEY**  
Scale: 3/8" = 1'-0"



**SECTION**  
Scale: 3/8" = 1'-0"

CONTINUOUS REINFORCED CONCRETE SLAB BRIDGE  
3 SPANS: 32'-0", 38'-0", 32'-0"  
SKEW: SQUARE, CLEAR ROADWAY: 33'-4"  
SR59 OVER LITTLE RACCOON CREEK  
MONTGOMERY COUNTY

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: DOH	DRAWN: DRD		
CHECKED: JOD	CHECKED: JOD		

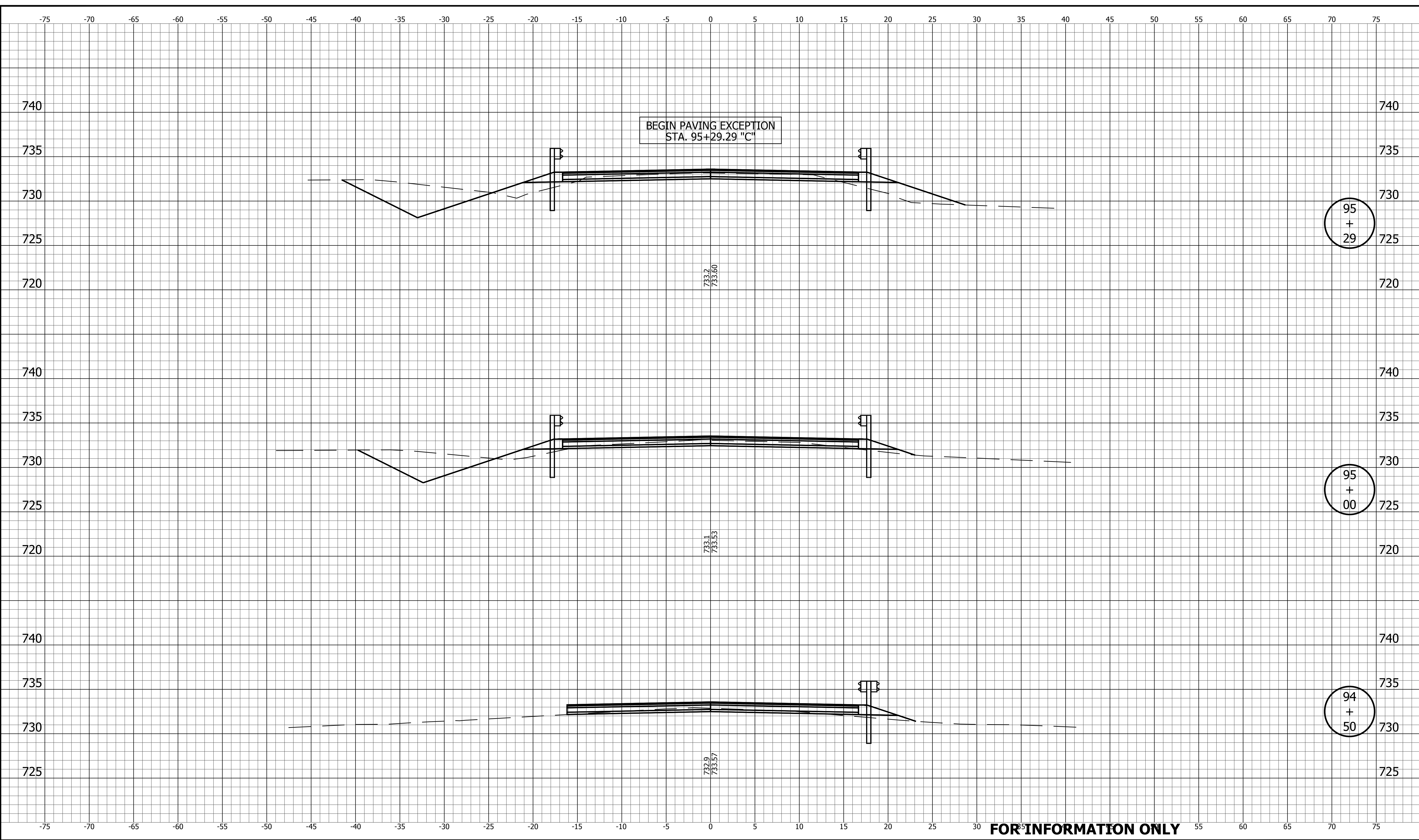
INDIANA DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

HORIZONTAL SCALE	AS SHOWN	BRIDGE FILE	059-54-10327
VERTICAL SCALE	AS SHOWN	DESIGNATION	1701591
DRAWING	C2 of C2	SHEET	8 of 15
CONTRACT	RS-39363	PROJECT	1593272



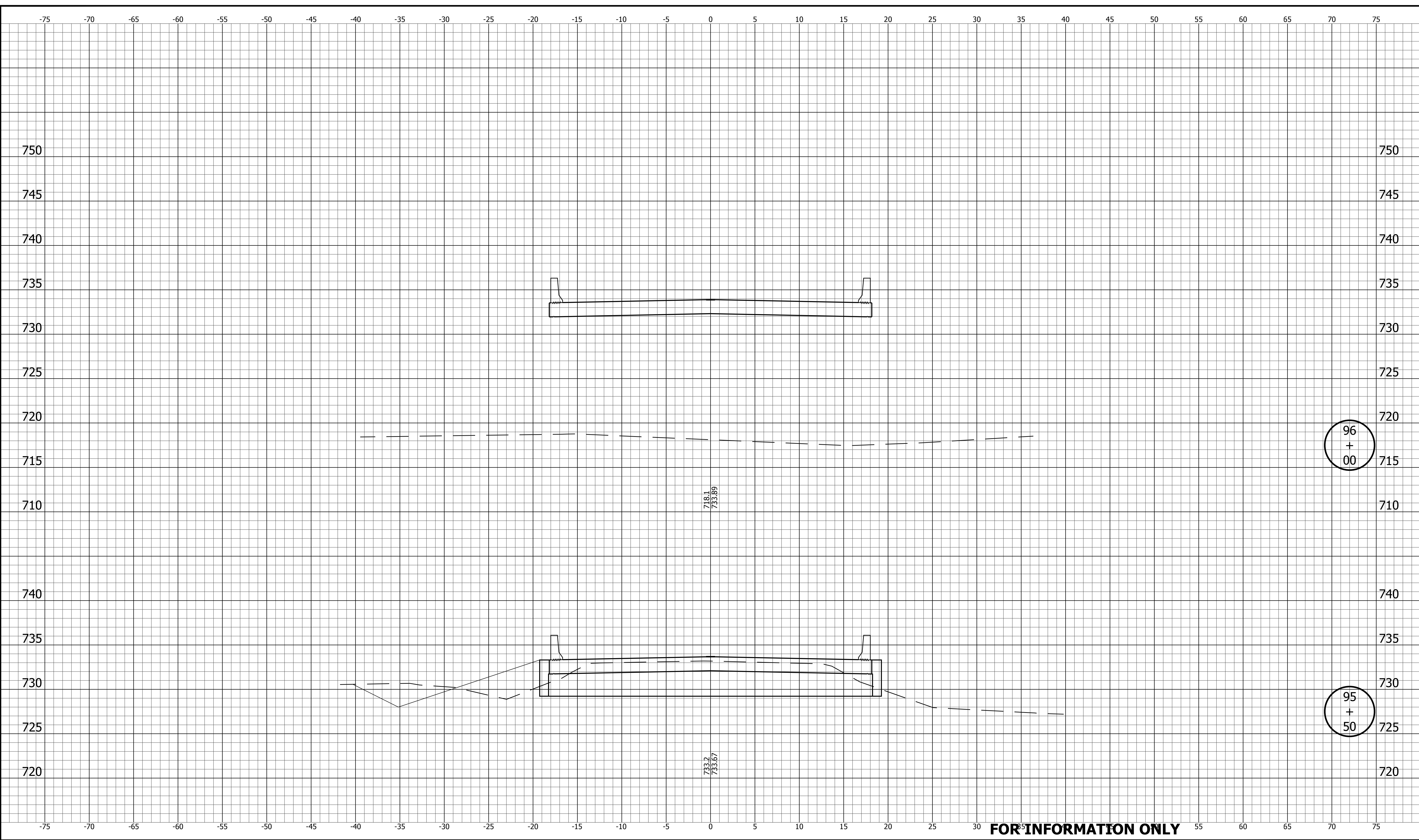
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**FOR INFORMATION ONLY**

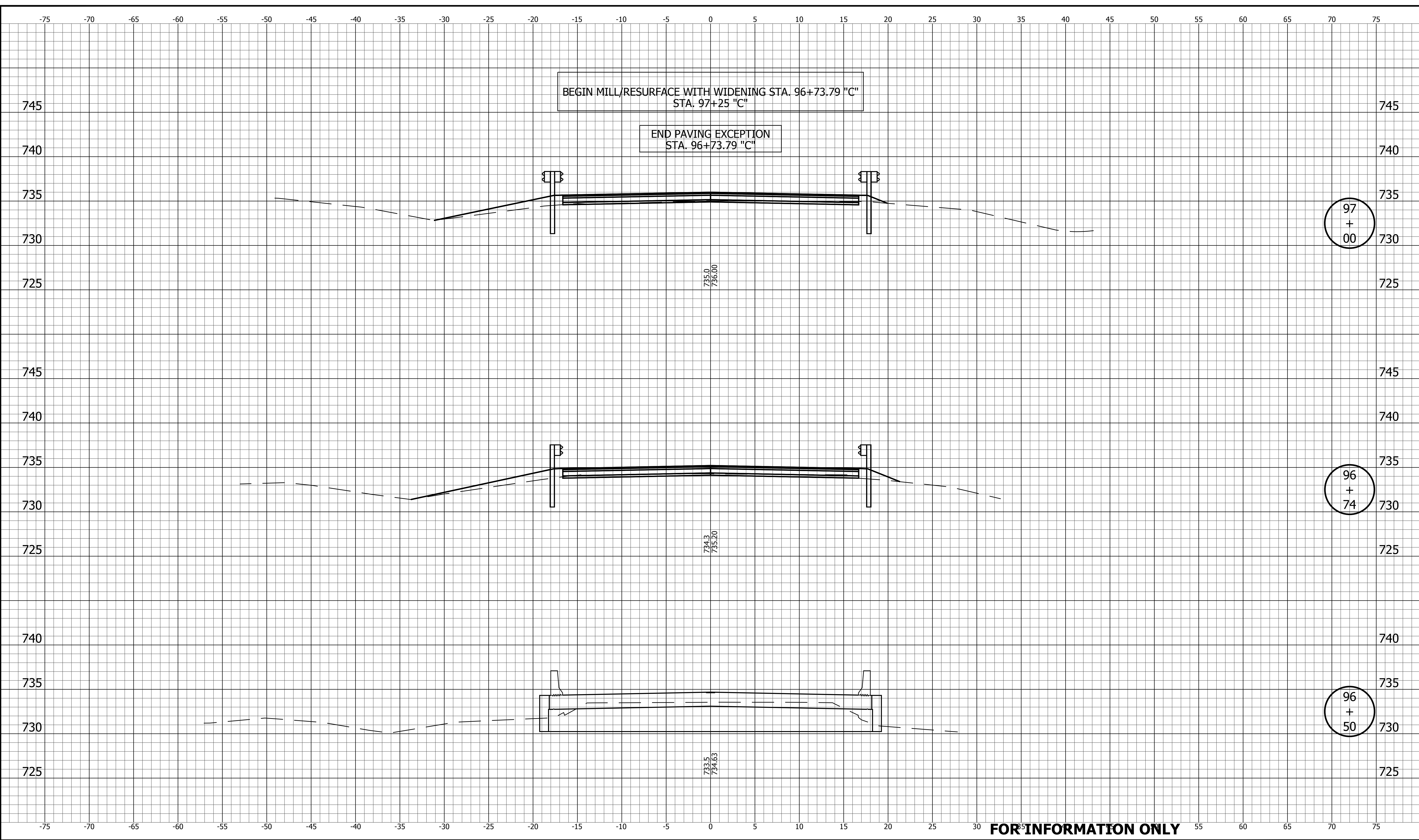
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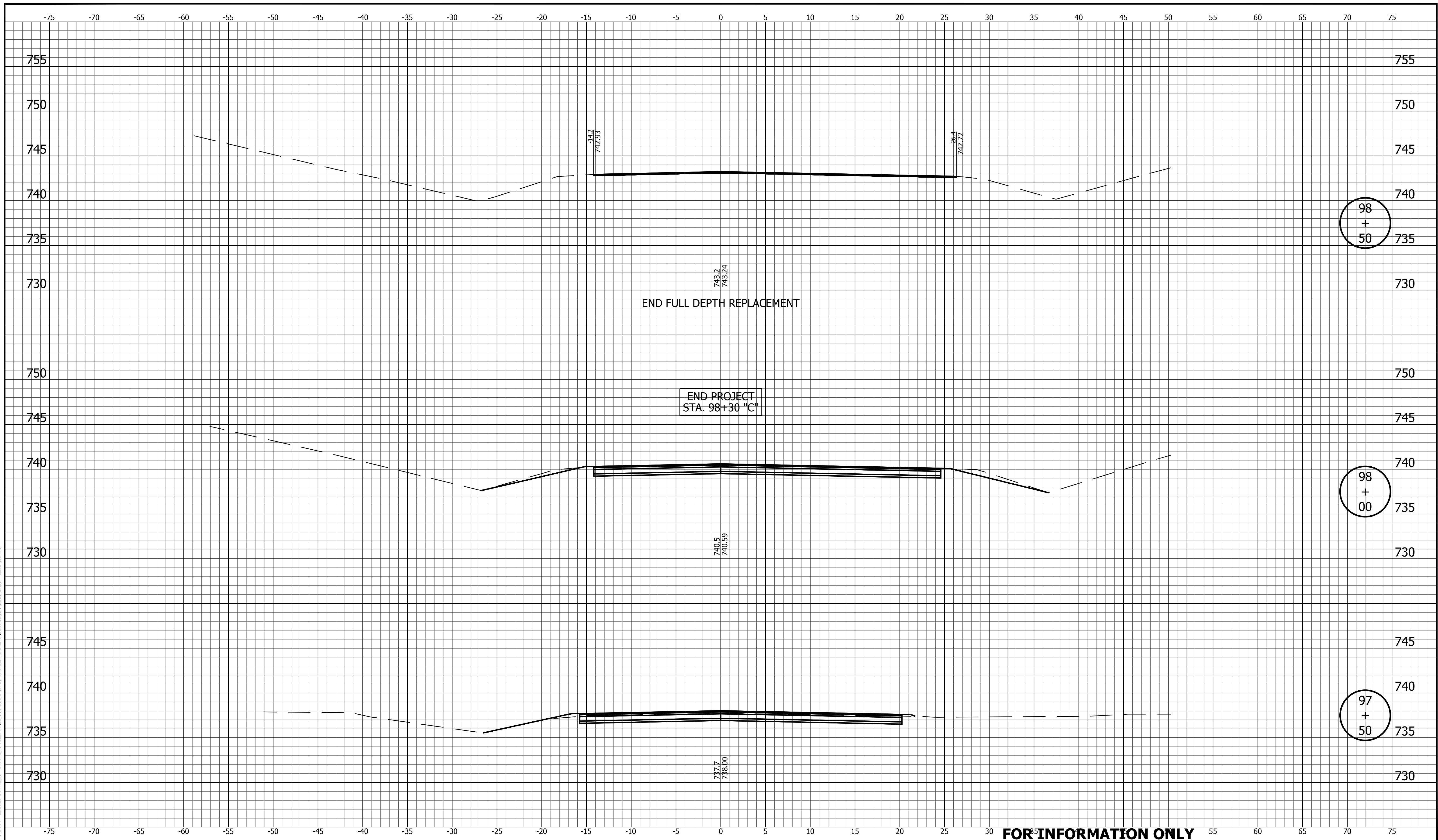


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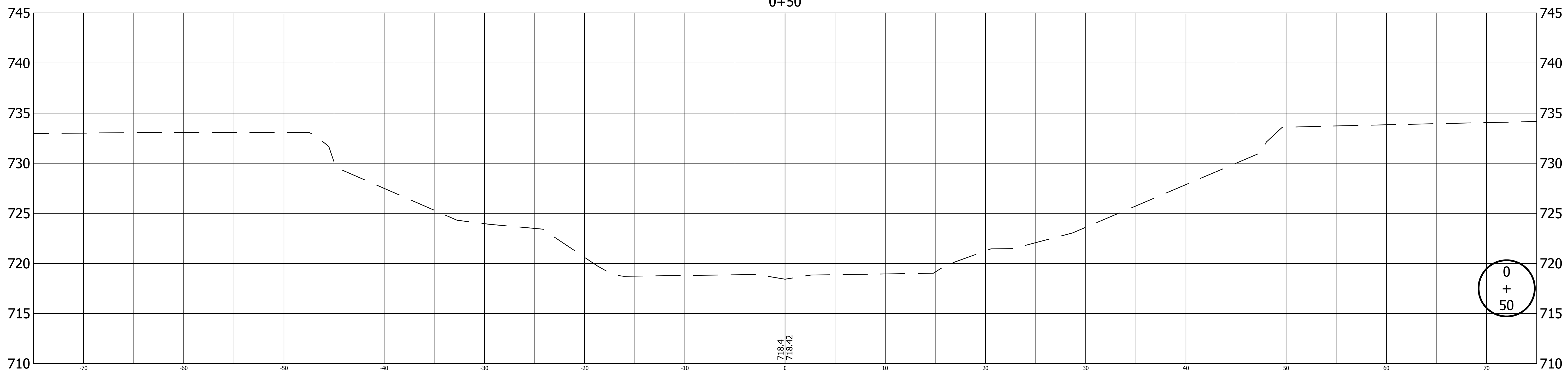
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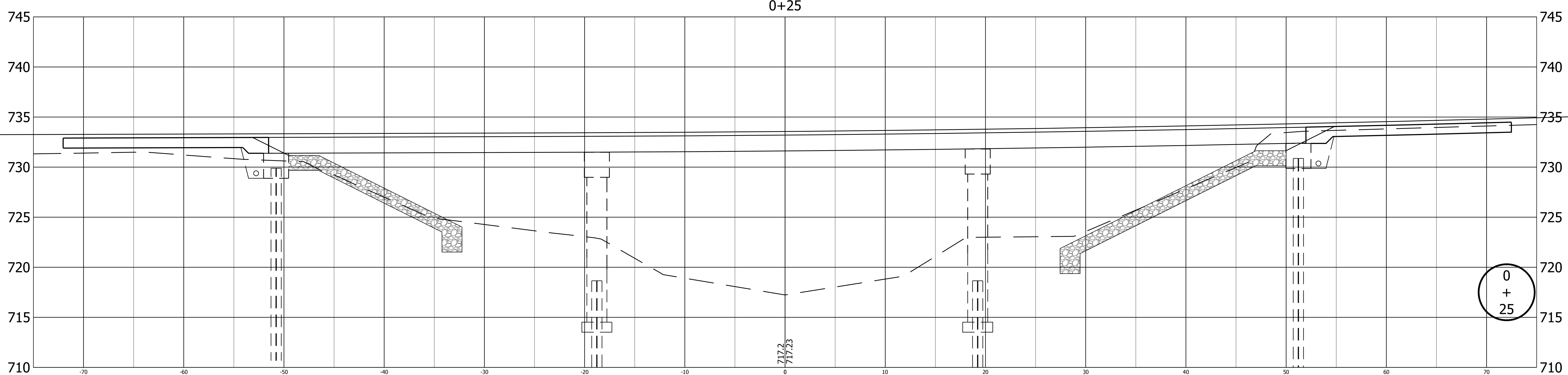
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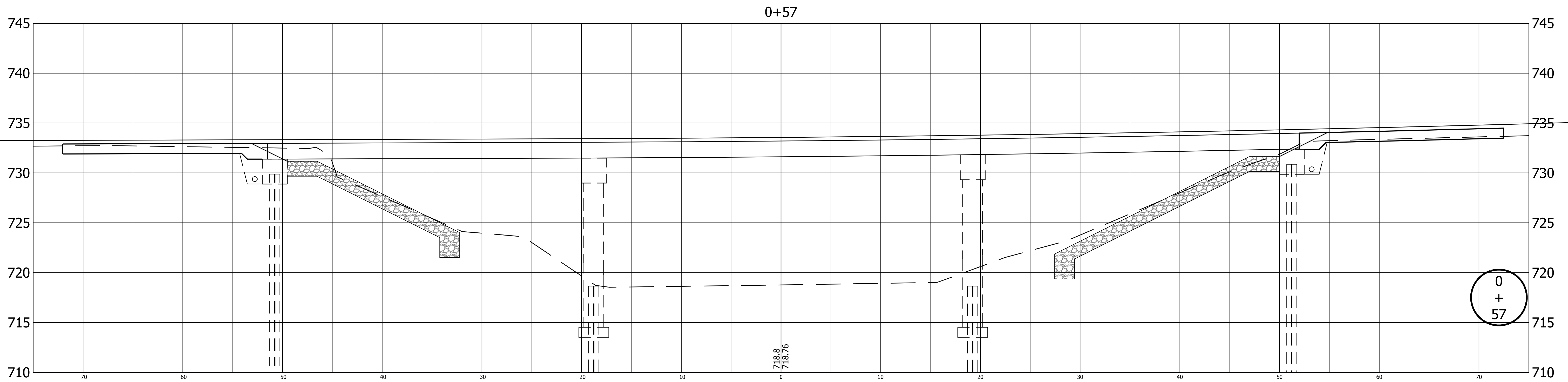
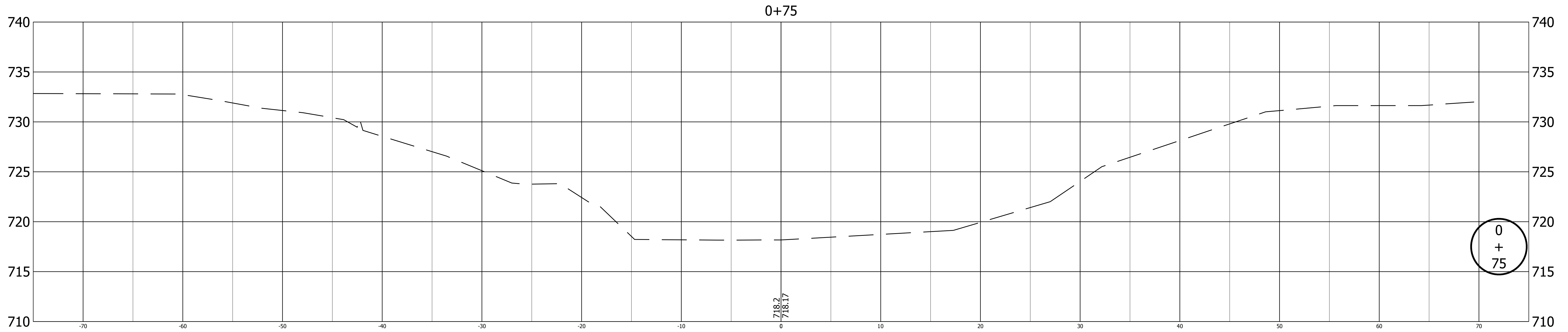
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