

CITY OF HARRISBURG

Mayor and City Council

- Valerie Rose Mitchell**
Mayor
- Russell Duncan**
Commissioner
- John McPeck**
Commissioner
- Clarence Rice**
Commissioner
- Linda Mitacek**
Commissioner
- Sarah Wofford**
City Clerk
- Richard Harper**
Treasurer

PLANS FOR

AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009

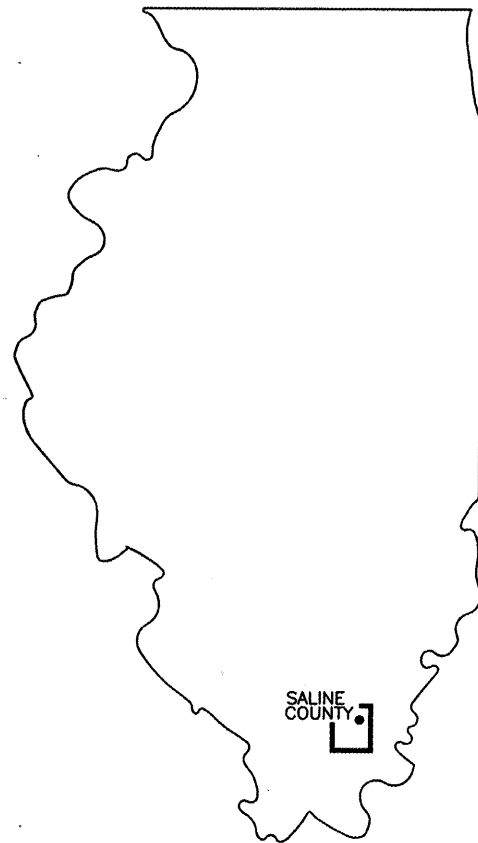
JOB NO. C-99-504-07
PROJECT NO. ARA-00D9(94)
SECTION 06-00082-00-BT

INDEX OF SHEETS

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- 110 PEDESTRIAN BRIDGE #2 ABUTMENT DETAILS
- 111 PEDESTRIAN BRIDGE #3 GPE
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- 001001-02 AREAS OF REINFOR REBARS
- 280001-05 TEMP EROS CNTRL SYSTEMS
- 424001-05 CURB RAMPS FOR SIDEWALK
- 515001-03 NAME PLATE FOR BRIDGES
- 542301-02 PRECAST REINF CONC FLARED END SECT
- 542546-01 FLUSH INLET BOX FOR MEDIAN
- 701306-02 LN CLOSURE 2L2W - SLOW MOVING
- 701422-02 LN CLOSURE MULTI LANE - 45-55 MPH
- 701501-05 URBAN LN CLOSURE 2L2W - UNDIVIDED
- 701901-01 TRAF CNTRL DEVICES
- 720001-01 SIGN PANEL MOUNT DETAILS
- 720006-02 SIGN PANEL ERECT DETAILS
- 728001-01 TELESCOPING STEEL SIGN SUPPORT
- 731001-01 BASE FOR TELESCOPING STEEL SIGN SUPPORT



UTILITIES

CITY OF HARRISBURG WATER AND SEWER DEPARTMENT
VERIZON TELEPHONE COMPANY
ILLINOIS POWER COMPANY
SOUTHEASTERN ILLINOIS ELECTRIC CO-OP.

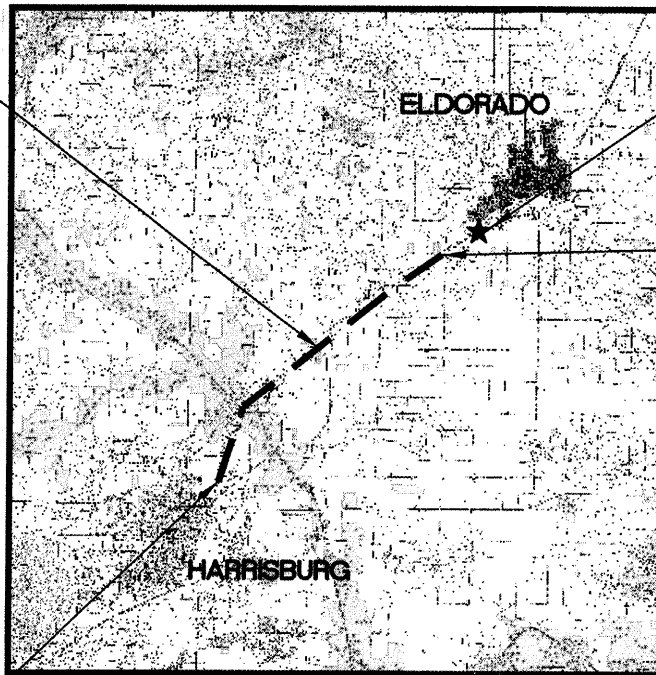
NOTE: ALL EXISTING UTILITIES AND LOCATIONS TO BE CONFIRMED BY J.U.L.I.E. 800-892-0123

PROPOSED IMPROVEMENTS



CONTRACT NO. **99383**

BEGIN STATION 0+00



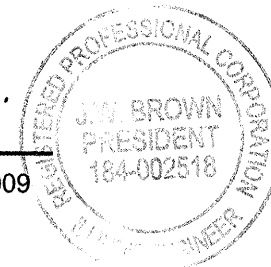
BUILDING REMOVAL NO. 1 AND PARKING LOT LOCATION

END STATION 27+05.15

LOCATION MAP NO SCALE
LENGTH OF IMPROVEMENT = 27,100 FEET (5.13 MILES)

Jim W. Brown
Jim W. Brown as President of

NOVEMBER 24, 2009
Illinois Professional Design Firm
Land Survey & Prof. Eng. Corp
Number 184-002518
Expires April 30, 2011



BROWN AND ROBERTS, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS

1 WESTRIDGE ROAD HARRISBURG, IL. 62946 (618) 252-8111

CITY OF HARRISBURG

APPROVED NOVEMBER 24, 2009

Valerie Rose Mitchell
MAYOR, CITY OF HARRISBURG

PASSED

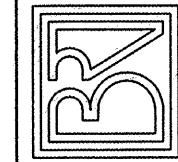
12/1/2009
Richard W. Melcher
DISTRICT 9 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW

12/1/09
Mary C. Lamie
MARY C. LAMIE, P.E.
DEPUTY DIRECTOR OF HIGHWAYS
REGION FIVE ENGINEER

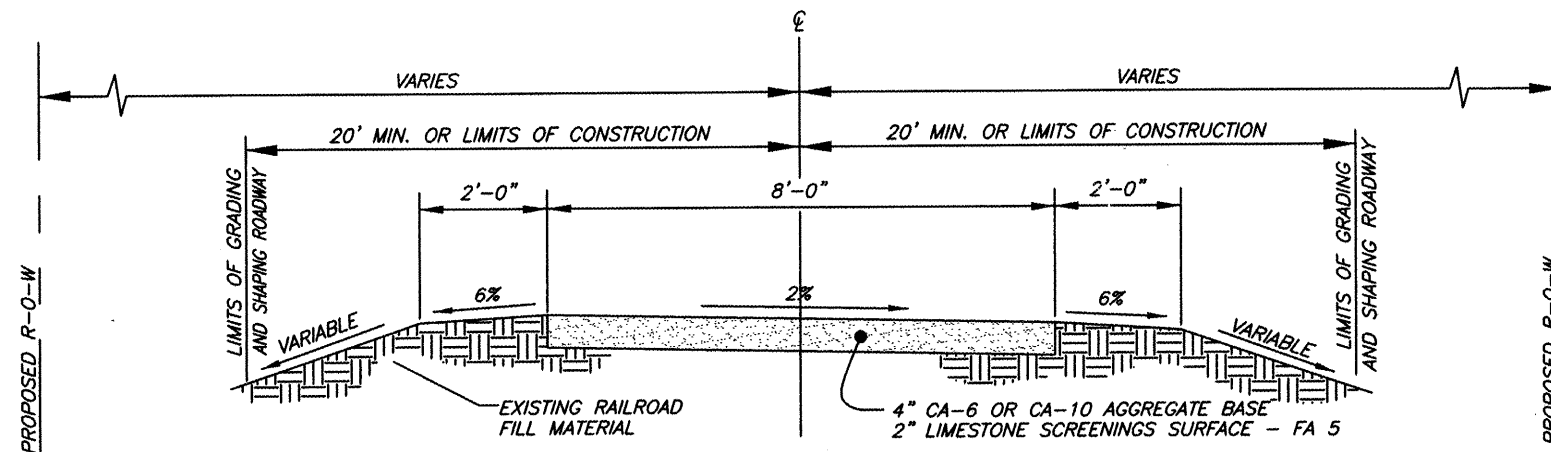
B.R.I. JOB NO. 05-138

BROWN AND ROBERTS, INC.
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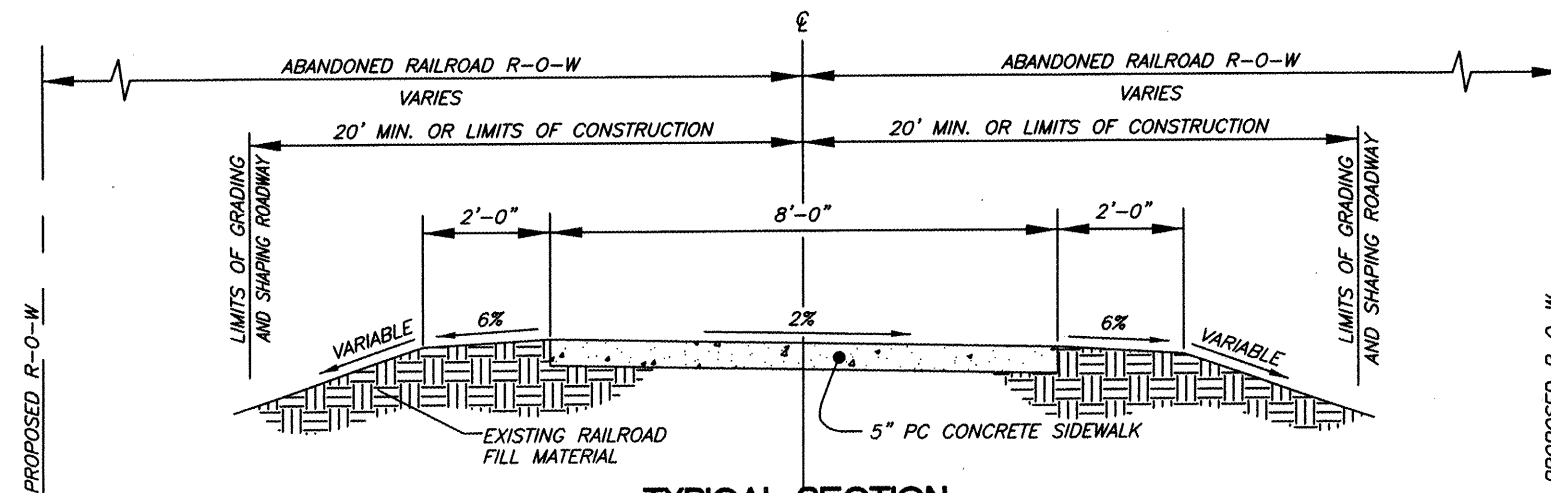


**CITY OF HARRISBURG
 ILLINOIS TRANSPORTATION
 ENHANCEMENT PROGRAM
 TYPICAL SECTIONS**

Drawn By:	Checked By:
GSS	MWR
Revisions	
Item	Date By
Scale:	Field Bk:
AS SHOWN	
Job Number:	Date:
05-138	08/08
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TYPICAL SECTION
STA. 97+00 TO GREENHILL ROAD
STA. 107+00 TO 183+50
STA. 202+00 TO 270+86
 NO SCALE



TYPICAL SECTION
SMALL STREET TO STA. 107+00
STA. 183+50 TO STA. 202+00
 NO SCALE

SUMMARY OF QUANTITIES

CODE NO.	CONSTRUCTION TYPE CODE	ITEM	UNIT	QUANTITY
	Y047			
* 20201000		GRADING & SHAP RDWAY	UNIT	267
20800150		TRENCH BACKFILL	CU YD	131
25001000		SEEDING CL 2 SPL	ACRE	14.0
28000250		TEMP EROS CONTR SEED	POUND	1800
28000305		TEMP DITCH CHECKS	FOOT	300
28000400		PERIMETER EROS BAR	FOOT	1450
28100801		STONE DUMP RIP CL A1	TON	105
28100807		STONE DUMP RIP CL A4	TON	260
35100100		AGG BASE CSE A	TON	900
40603315		HMA SC C N70	TON	300
* 42400430		PC CONC SIDEWALK 5 PS	SQ FT	97344
42400800		DETECTABLE WARNINGS	SQ FT	144
50300225		CONC STRUCT	CU YD	168.3
50800105		REINFORCEMENT BARS	POUND	13160
51201400		FUR STL PILE HP10X42	FOOT	460
51202305		DRIVING PILES	FOOT	460
51500100		NAME PLATES	EACH	3
54200427		P CUL 1 RCCP 12	FOOT	125
54200430		P CUL 1 RCCP 15	FOOT	10
54200433		P CUL 1 RCCP 18	FOOT	198
54200439		P CUL 1 RCCP 24	FOOT	66
54200445		P CUL 1 RCCP 30	FOOT	80.5
54213657		PRC FLAR END SEC 12	EACH	4
54213663		PRC FLAR END SEC 18	EACH	17
54213669		PRC FLAR END SEC 24	EACH	4
54213675		PRC FLAR END SEC 30	EACH	6
54244405		FL INLT BX MED 542546	EACH	5
66500105		WOV W FENCE 4	FOOT	80
66501800		WOV W GATES 4x20 DBL.	EACH	1
66502400		WOV W FENCE REM & RE	FOOT	7665
66502800		WOV W GATES REM & RE	EACH	1
67100100		MOBILIZATION	L SUM	1
72000100		SIGN PANEL T1	SQ FT	176.3
72800100		TELES STL SIN SUPPORT	FOOT	513.3
▲ 78001100		PT PVT MK LTRS & SYMB	SQ FT	251.2
▲ 78001110		PAINT PVT MK LINE 4	FOOT	3586
▲ 78001130		PAINT PVT MK LINE 6	FOOT	175
▲ 78001150		PAINT PVT MK LINE 12	FOOT	36
▲ X0322508		PED TRUSS SUPERSTR	SQ FT	5105
X0322923		SEGMENTAL CONC BLK WALL	SQ FT	7588
* X0323415		SITE CLEAN-UP	L SUM	1
* X0350800		BOLLARDS	EACH	21
* X0696100		PARKING BLOCKS	EACH	22
* XX002007		AGG BICYCLE PATH	SQ YD	12920
▲* Z0007601		BUILDING REMOVAL NO. 1	L SUM	1
Z0013798		CONSTRUCTION LAYOUT	L SUM	1
▲ Z0049901		REMOVAL AND DISPOSAL OF NON FRIABLE ASBESTOS, BUILDING NO. 1	L SUM	1

▲ SPECIALTY ITEMS

23 Nov 2008 - 11:05am J:\2008\08138\1\1\HARRISBURG\PLAN\typical sections.dwg Layout: Job: Main

SIGN SCHEDULE

LOCATION	NAME	SIGNS		POSTS (FOOT)
		NO.	SQ. FT.	
STA. 0+04.5 RT	STOP SIGN	R1-1	2.25	11.5
STA. 0+04.5 LT	NO MOTOR VEHICLES	R5-3	4.00	12.0
SMALL STREET LT	BICYCLE WARNING	W11-1	6.25	13.5
SMALL STREET LT	BIKE ROUTE	D11-1	3.00	14.25
SMALL STREET LT	DOUBLE ARROW	M7-5	0.75	-
SMALL STREET RT	BICYCLE WARNING	W11-1	6.25	13.5
SMALL STREET RT	BIKE ROUTE	D11-1	3.00	14.25
SMALL STREET RT	DOUBLE ARROW	M7-5	0.75	-
STA. 0+94 RT	NO MOTOR VEHICLES	R5-3	4.00	12.0
STA. 0+94 LT	STOP SIGN	R1-1	2.25	11.5
STA. 33+88 LT	MILE 189 (2 SIGNS)	D10-3	6.00	13.0
STA. 74+00 RT	STOP SIGN	R1-1	2.25	11.5
STA. 74+80 RT	STOP SIGN	R1-1	2.25	11.5
STA. 74+00 LT	NO MOTOR VEHICLES	R5-3	4.00	12.0
STA. 74+80 RT	NO MOTOR VEHICLES	R5-3	4.00	12.0
STA. 86+68 LT	MILE 188 (2 SIGNS)	D10-3	6.00	13.0
DEVILLEZ ROAD LT	BIKE ROUTE	D11-1	3.00	13.5
DEVILLEZ ROAD LT	BICYCLE WARNING	W11-1	6.25	14.25
DEVILLEZ ROAD LT	DOUBLE ARROW	M7-5	0.75	-
DEVILLEZ ROAD RT	BICYCLE WARNING	W11-1	6.25	13.5
DEVILLEZ ROAD RT	BIKE ROUTE	D11-1	3.00	14.25
DEVILLEZ ROAD RT	DOUBLE ARROW	M7-5	0.75	-
STA. 106+30 RT	STOP SIGN	R1-1	2.25	11.5
STA. 106+96 LT	STOP SIGN	R1-1	2.25	11.5
STA. 106+30 LT	NO MOTOR VEHICLES	R5-3	4.00	12.0
STA. 106+96 RT	NO MOTOR VEHICLES	R5-3	4.00	12.0
HARGRAVE ROAD LT	BIKE ROUTE	D11-1	3.00	14.25
HARGRAVE ROAD LT	DOUBLE ARROW	M7-5	0.75	-
HARGRAVE ROAD LT	BICYCLE WARNING	W11-1	6.25	13.5
HARGRAVE ROAD RT	BICYCLE WARNING	W11-1	6.25	13.5
HARGRAVE ROAD RT	BIKE ROUTE	D11-1	3.00	14.25
HARGRAVE ROAD RT	DOUBLE ARROW	M7-5	0.75	-
STA. 139+48 LT	MILE 187 (2 SIGNS)	D10-3	6.00	13.0
STA. 182+00 RT	STOP SIGN	R1-1	2.25	11.5
STA. 192+28 LT	MILE 186 (2 SIGNS)	D10-3	6.00	13.0
STA. 195+55 LT	STOP SIGN	R1-1	2.25	11.5
STA. 182+00 LT	NO MOTOR VEHICLES	R5-3	4.00	12.0
STA. 195+55 RT	NO MOTOR VEHICLES	R5-3	4.00	12.0
WASSON ROAD LT	BIKE ROUTE	D11-1	3.00	14.25
WASSON ROAD LT	DOUBLE ARROW	M7-5	0.75	-
WASSON ROAD LT	BICYCLE WARNING	W11-1	6.25	13.5
WASSON ROAD RT	BICYCLE WARNING	W11-1	6.25	13.5
WASSON ROAD RT	BIKE ROUTE	D11-1	3.00	14.25
WASSON ROAD RT	DOUBLE ARROW	M7-5	0.75	-
STA. 245+08 LT	MILE 185 (2 SIGNS)	D10-3	6.00	13.0
STA. 270+83 RT	STOP SIGN	R1-1	2.25	11.5
STA. 270+83 LT	NO MOTOR VEHICLES	R5-3	4.00	12.0
TROLLEY ROAD LT	BIKE ROUTE	D11-1	3.00	14.25
TROLLEY ROAD LT	DOUBLE ARROW	M7-5	0.75	-
TROLLEY ROAD LT	BICYCLE WARNING	W11-1	6.25	13.5

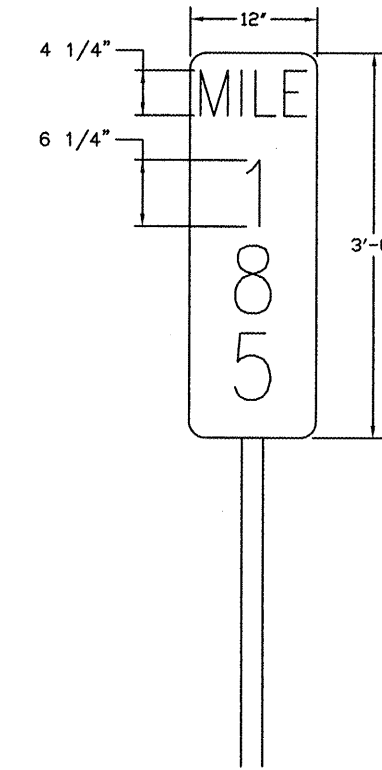
TOTAL SIGNING QUANTITIES 176.25 513.25

PAVEMENT MARKING SCHEDULE

LOCATION	NAME	QUANTITY SQ. FT.
SMALL STREET	BIKE XING	41.6
SMALL STREET	BIKE XING	41.6
WASSON ROAD	BIKE XING	41.6
WASSON ROAD	BIKE XING	41.6
SMALL STREET LT	HWY XING	18.9
SMALL STREET RT	HWY XING	18.9
WASSON ROAD LT	HWY XING	18.9
WASSON ROAD RT	HWY XING	18.9
PARKING LOT	HANDICAP	9.2

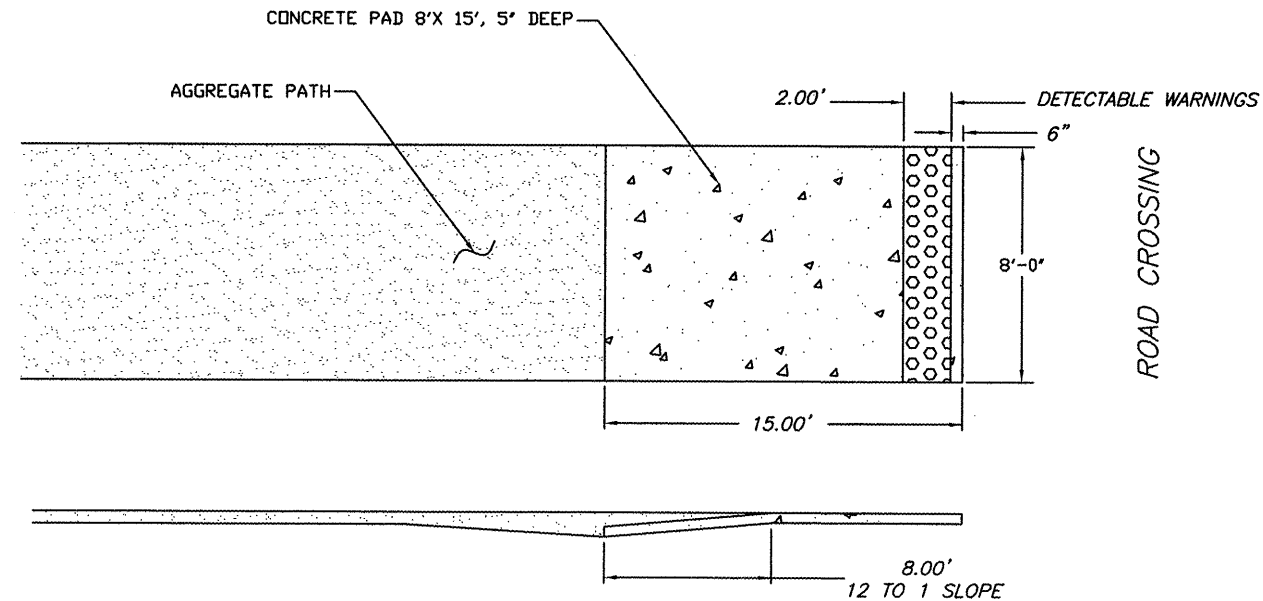
TOTAL PAVEMENT MARKING LETTERS & SYMBOLS 251.2

CONTRACT NO. 99383



SIGN D10-3 DETAIL

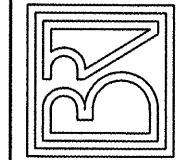
NO SCALE



DETECTABLE WARNING DETAIL

NO SCALE

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CITY OF HARRISBURG
ILLINOIS TRANSPORTATION
ENHANCEMENT PROGRAM
SCHEDULES

Drawn By: GSS Checked By: MWR

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DRAINAGE STRUCTURE SCHEDULE

NUMBER	STATION	OFFSET	DESCRIPTION	FLOWLINE ELEVATION	Top of Casting	RIPRAP (TONS)
1	34+50	18.5'LT	PRC FLARED END SECTION 24"	361.85	-	0
2	34+50	18.5'RT	PRC FLARED END SECTION 24"	360.00	-	7
3	44+00	20.0'LT	PRC FLARED END SECTION 18"	362.50	-	0
4	44+00	20.0'RT	PRC FLARED END SECTION 18"	362.29	-	5
5	106+18	31.0'LT	PRC FLARED END SECTION 24"	363.75	-	0
6	105+90	31.0'RT	PRC FLARED END SECTION 24"	361.17	-	7
7	107+02	26.0'LT	PRC FLARED END SECTION 18"	361.58	-	0
8	107+20	26.0'RT	PRC FLARED END SECTION 18"	360.34	-	5
9	116+50	9.0'LT	FLUSH INLET BOX FOR MEDIAN	361.79	364.29	0
10	116+50	19.0'RT	PRC FLARED END SECTION 12"	361.48	-	5
11	135+00	18.0'LT	PRC FLARED END SECTION 30"	357.70	-	0
12	135+00	29.0'RT	PRC FLARED END SECTION 30"	355.00	-	9
13	146+75	16.0'LT	PRC FLARED END SECTION 30"	361.20	-	0
14	146+75	19.0'RT	PRC FLARED END SECTION 30"	360.00	-	9
15	157+75	9'LT	FLUSH INLET BOX FOR MEDIAN	361.39	368.89	0
16	157+75	17.5'RT	PRC FLARED END SECTION 12"	366.10	-	5
17	166+65	9'LT	FLUSH INLET BOX FOR MEDIAN	368.79	371.29	0
18	166+65	16.3'RT	PRC FLARED END SECTION 12"	368.50	-	5
19	193+25	9'LT	FLUSH INLET BOX FOR MEDIAN	378.90	381.42	0
20	193+25	14.6'RT	PRC FLARED END SECTION 12"	378.70	-	5
21	194+75	16.0'LT	PRC FLARED END SECTION 18"	375.00	-	5
22	194+75	16.0'RT	PRC FLARED END SECTION 18"	374.00	-	5
23	195+43	22.0'LT	PRC FLARED END SECTION 18"	377.00	-	5
24	195+68	22.0'RT	PRC FLARED END SECTION 18"	376.00	-	5
25	198+00	15'LT	FLUSH INLET BOX FOR MEDIAN	376.90	385.81	0
26	198+00	20'RT	PRC FLARED END SECTION 18"	376.80	-	5
27	205+00	13.5'LT	PRC FLARED END SECTION 18"	382.38	-	0
28	205+00	13.5'RT	PRC FLARED END SECTION 18"	380.93	-	5
29	209+77	16.4'LT	PRC FLARED END SECTION 18"	384.00	-	0
30	209+99	17'RT	PRC FLARED END SECTION 18"	384.00	-	5
31	210+19	17.6'LT	PRC FLARED END SECTION 30"	384.00	-	0
32	210+42	17.6'RT	PRC FLARED END SECTION 30"	384.00	-	5
33	270+69	13'LT	PRC FLARED END SECTION 18"	388.00	-	0
34	270+52	13'RT	PRC FLARED END SECTION 18"	388.00	-	3
35	PARKING LOT	TO BE DETERMINED BY ENG.	PRC FLARED END SECTION 18"	TO BE DETERMINED BY ENG.	-	0
36	LOT	TO BE DETERMINED BY ENG.	PRC FLARED END SECTION 18"	TO BE DETERMINED BY ENG.	-	0

RIPRAP TOTAL **105**

PAVEMENT MARK LINE 6" SCHEDULE

LOCATION	TYPE	QUANTITY (FOOT)
SMALL STREET	CROSSWALK	65.0
DEVILLEZ ROAD	CROSSWALK	25.0
HARGRAVE ROAD	CROSSWALK	25.0
WASSON ROAD	CROSSWALK	30.0
GREENHILL ROAD	CROSSWALK	30.0

TOTAL **175.0**

PC CONCRETE SIDEWALK SCHEDULE

LOCATION	LENGTH	WIDTH	AREA (SQ FT)
0+00 TO 00+24	24	8	192
00+74 TO 55+65	5491	8	43928
59+54 TO 74+23	1469	8	11752
74+50 TO 107+00	3250	8	26000
PED. BRIDGE #2	30	8	240
183+50 TO 195+03	1153	8	9224
195+34 TO 202+00	666	8	5328
PED. BRIDGE #3	30	8	240
270+86 TO 271+01	15	8	120
⊙ PARKING LOT	40	8	320

TOTALS **12168** **97344**

CULVERT SCHEDULE

STATION	12" DIA RCCP (FOOT)	15" DIA RCCP (FOOT)	18" DIA RCCP (FOOT)	24" DIA RCCP (FOOT)	30" DIA RCCP (FOOT)	TRENCH BACKFILL (CU YD)
0+84		10				3
34+50				26		10
44+00			30			4
106+05				40		15
107+11			43			31
116+50	25					3
135+00					30	5
146+75					22.5	4
157+75	19					5
166+65	18					5
193+25	16					4
194+75			20			20
195+56			32			9
198+00	27					20
205+00			15			3
209+80			28			6
210+29					28	5
270+61	20					4
PARKING LOT			30			5

TOTALS **125** **10** **198** **66** **80.5** **131**

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TEMPORARY DITCH CHECK SCHEDULE

LOCATION	FOOT QUANTITY
STA. 34+70 RT.	10
STA. 44+00 RT.	10
STA. 47+00 RT.	10
STA. 47+50 LT.	10
STA. 105+90 RT.	10
STA. 107+30 RT.	10
STA. 127+90 LT./RT.	20
STA. 128+50 LT./RT.	20
STA. 135+00 LT.	10
STA. 138+00 LT.	10
STA. 143+40 LT.	10
STA. 152+00 LT.	10
STA. 154+00 LT.	10
STA. 157+00 LT.	10
STA. 159+00 LT.	10
STA. 160+50 LT.	10
STA. 162+00 LT.	10
STA. 165+00 LT.	10
STA. 166+00 RT.	10
STA. 169+00 LT.	10
STA. 175+00 LT.	10
STA. 175+00 LT.	10
STA. 181+00 LT.	10
STA. 186+00 LT.	10
STA. 188+00 LT.	10
STA. 190+00 LT.	10
STA. 209+90 RT.	10
STA. 210+20 RT.	10

TOTAL **300**

AGGREGATE BICYCLE PATH SCHEDULE

LOCATION	LENGTH	WIDTH	AREA (SQ YD)
107+00 TO 183+50	7650	8'	6800
202+00 TO 270+86	6886	8'	6120

TOTALS **12920**

W. W. FENCE REMOVE AND RE-ERECT SCHEDULE

LOCATION	LENGTH (FEET)
114+00 LT TO 183+85 LT	6985
259+00 LT TO 265+80 LT	680

TOTALS **7665**

PAVEMENT MARK LINE 12" SCHEDULE

LOCATION	QUANTITY (FOOT)
STA. 0+19 RT.	4.0
STA. 0+79 LT.	4.0
STA. 74+17 RT.	4.0
STA. 74+55 LT.	4.0
STA. 106+45 RT.	4.0
STA. 106+80 LT.	4.0
STA. 194+97 RT.	4.0
STA. 195+39 LT.	4.0
STA. 270+98 RT.	4.0

TOTAL **36.0**

PERIMETER EROSION BARRIER SCHEDULE

LOCATION	LENGTH
49+00 TO 53+50 RT	450'
95+00 TO 97+00 LT	200'
117+50 TO 122+50 LT	500'
264+00 TO 267+00 LT	300'

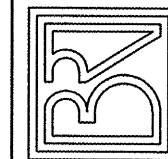
TOTALS **1450'**

SEGMENTAL BLOCK RETAINING WALL SCHEDULE

LOCATION	LENGTH	AVERAGE HEIGHT	AREA (SQ FT)
97+50 TO 105+40	790	5.0	3950
193+50 TO 194+50	100	6	600
195+65 TO 200+55	490	6.2	3038

TOTALS **7588**

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1 WEST RIDGE ROAD HARRISBURG, IL 62946 (618) 252-8111



CITY OF HARRISBURG
ILLINOIS TRANSPORTATION
ENHANCEMENT PROGRAM
SCHEDULES

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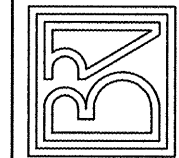
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 1 WEST RIDGE ROAD HARRISBURG, IL. 62946 (618) 252-8111



**CITY OF HARRISBURG
 ILLINOIS TRANSPORTATION
 ENHANCEMENT PROGRAM
 MISCELLANEOUS DETAILS**

Drawn By: GSS
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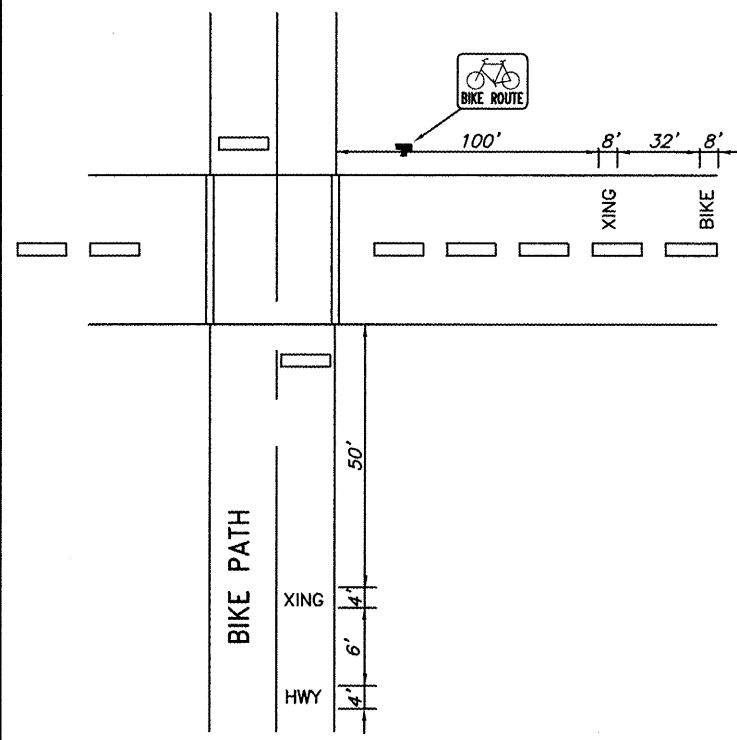
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Job Number: 05-136
 Date: 08/08

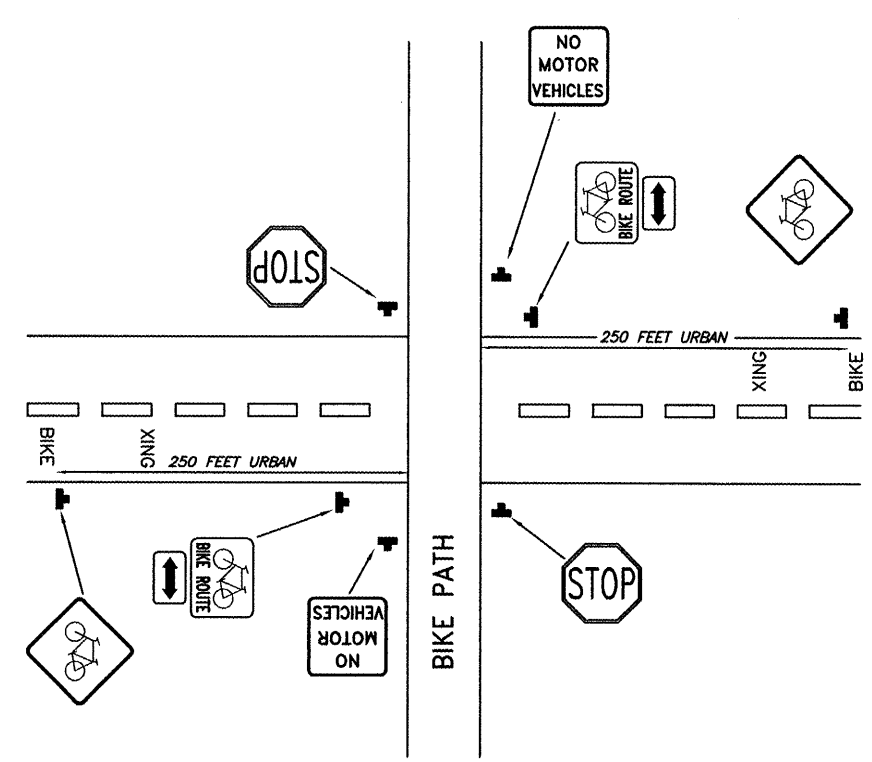
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5

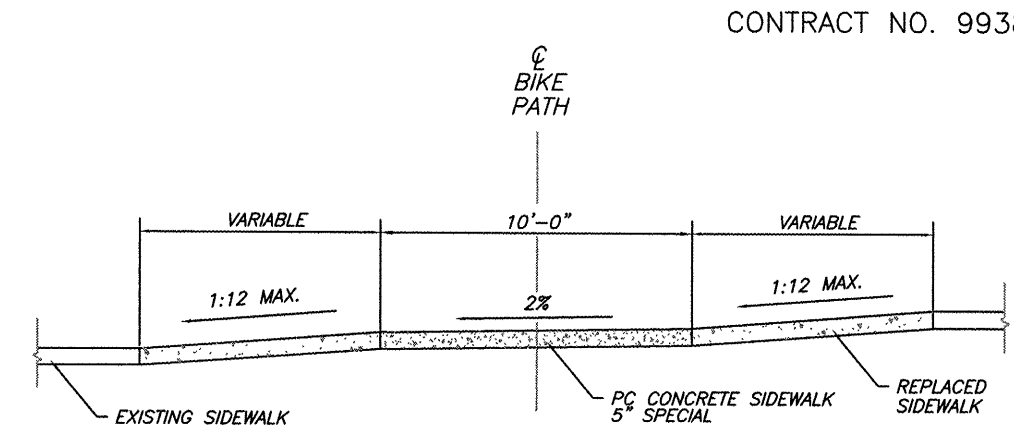
of 115



TYPICAL STREET INTERSECTION MARKING
 NO SCALE



TYPICAL SIGNING OF BICYCLE TRAIL
 NO SCALE



TYPICAL BIKE PATH SECTION AT SIDEWALK INTERSECTIONS
 NO SCALE

PAVEMENT MARK LINE 4" SCHEDULE

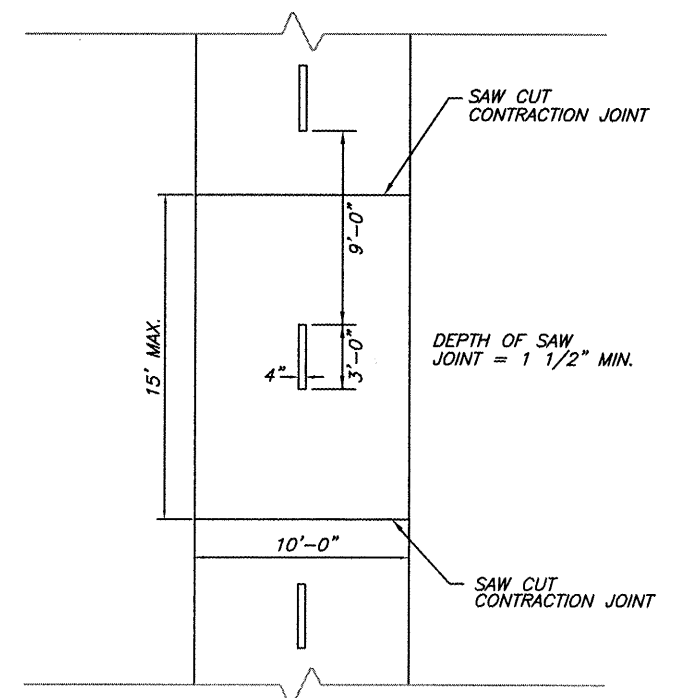
LOCATION	LENGTH
0+00 TO 00+24	6
00+74 TO 55+65	1371
59+54 TO 74+23	366
74+50 TO 107+00	810
PARKING LOT	1033

TOTALS 3586

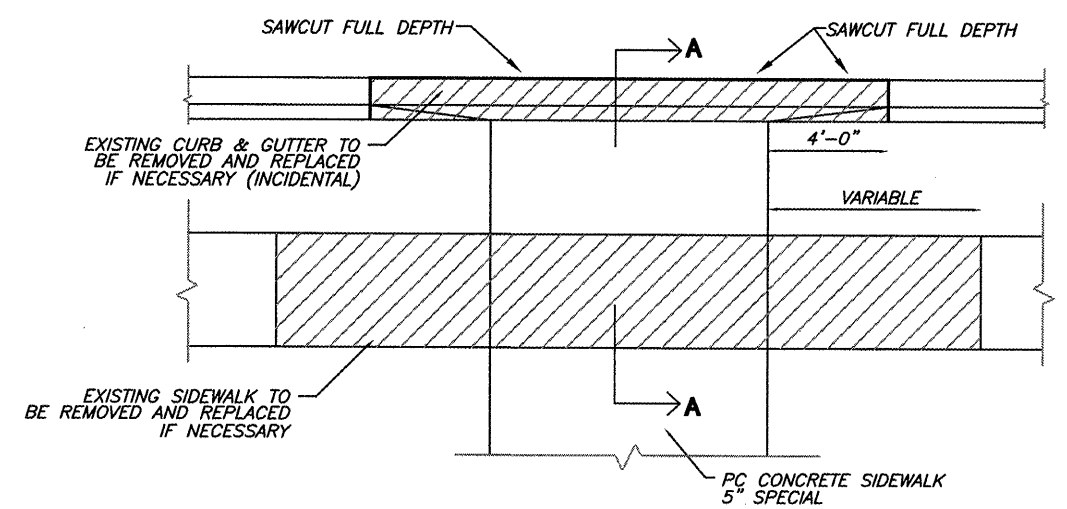
DETECTABLE WARNINGS SCHEDULE

LOCATION	NAME	QUANTITY SQ. FT.
SMALL STREET	DETECTABLE WARNINGS	32
DEVILLEZ ROAD	DETECTABLE WARNINGS	32
HARGRAVE ROAD	DETECTABLE WARNINGS	32
WASSON ROAD	DETECTABLE WARNINGS	32
GREENHILL ROAD	DETECTABLE WARNINGS	16

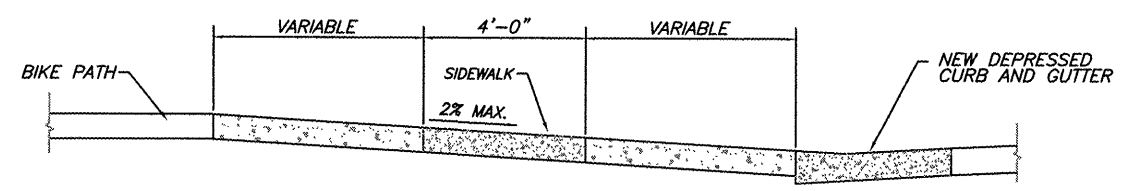
PROJECT TOTAL 144



TYPICAL MARKING AND SAW JOINT SPACING DETAIL
 NO SCALE

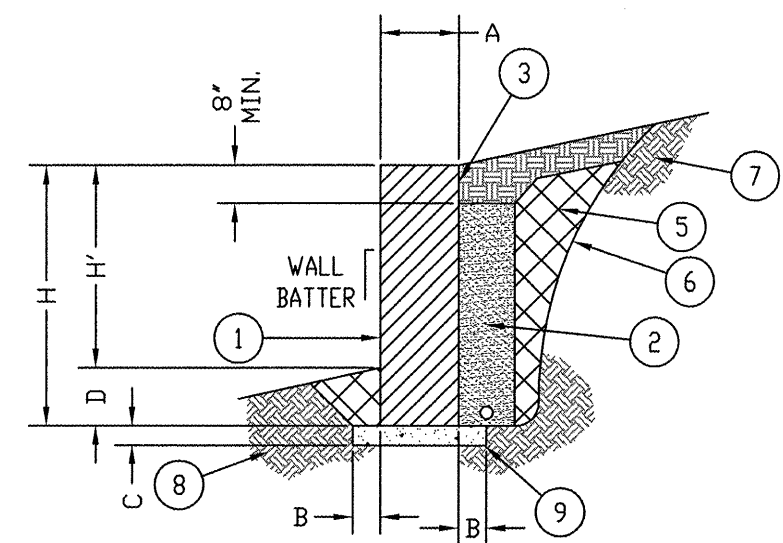


TYPICAL BIKE PATH PLAN - STREET INTERSECTION
 NO SCALE



SECTION A-A
 NO SCALE

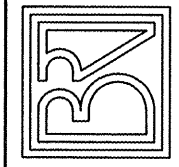
13 Nov 2009 - 12:10pm X:\2005\05138\oc\HARRISBURG PLANS\miscellaneous details.dwg: Layout Tab Model



SRW GRAVITY WALL SECTION
NO SCALE

SWR WALL SECTION DIMENSIONS	
A	12' MINIMUM, GREATER IF REQUIRED BY THE RETAINING WALL ENGINEER
B	6' MINIMUM, GREATER IF REQUIRED BY THE RETAINING WALL ENGINEER
C	6' MINIMUM, GREATER IF REQUIRED BY THE RETAINING WALL ENGINEER
D	WHICHEVER IS GREATER: 24' OR THAT SPECIFIED BY THE RETAINING WALL ENGINEER
WALL BATTER	AS REQUIRED BY THE RETAINING WALL ENGINEER

BROWN AND ROBERTS, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
1 WEST RIDGE ROAD HARRISBURG, IL 62946 (618) 252-8111



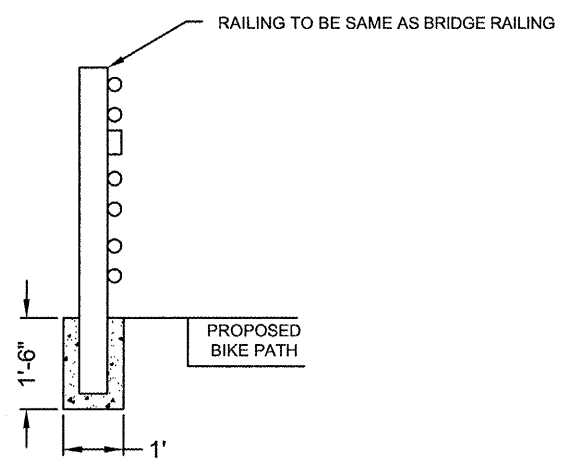
SECTION 06-00082-00-BT
RETAINING WALL AND BICYCLE RAILING
DETAILS

Drawn By: GSS	Checked By: MWR	
Revisions		
Item	Date	By
Scale: AS SHOWN	Field Bk: 	
Job Number: 05-138	Date: 10/08	

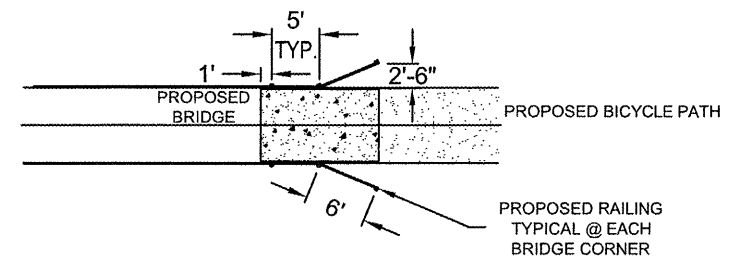
Sheet
6
of 115

WALL SECTION NOTES:

- ① CONCRETE SRW UNITS.
- ② SRW UNIT DRAINAGE SYSTEM SHALL CONSIST OF DRAINAGE FILL ENTIRELY WRAPPED IN FILTER FABRIC AND A 4" PERFORATED PIPE AS SHOWN.
- ③ LAP FILTER FABRIC FIRMLY AGAINST SRW UNITS AND 6' ABOVE THE DRAINAGE FILL.
- ④ THE DRAINAGE DETAILS ARE MINIMUM REQUIREMENTS. THE RETAINING WALL ENGINEER SHALL APPROVE THE USE OF THESE MINIMUMS, OR SHALL SPECIFY DRAINAGE OF GREATER EXTENT AND CAPACITY, OR SPECIFY ITEMS IN ADDITION TO THE MINIMUMS SUCH AS DRAINAGE GED. COMPOSITES BEHIND THE REINFORCED BACKFILL. MSE WALL DRAINAGE ALTERNATIVES MAY BE OMITTED FROM MSE WALLS WHEN THE REINFORCED BACKFILL IS DRAINAGE FILL, IS ENTIRELY WRAPPED IN FILTER FABRIC, AND CONTAINS A 4" PERFORATED DRAIN PIPE.
- ⑤ COMPACTED EMBANKMENT, WHERE SPECIFIED BY THE RETAINING WALL ENGINEER.
- ⑥ EXCAVATION LIMITS.
- ⑦ EXISTING EMBANKMENT.
- ⑧ FOUNDATION SOIL.
- ⑨ LEVELING PAD.
- ⑩ ALL VOIDS IN OR BETWEEN SRW UNITS SHALL BE FILLED WITH DRAINAGE BACKFILL MATERIAL.
- ⑪ DRAIN PIPES SHALL BE SLOPED 1/8" PER FOOT MINIMUM AND SHALL BE DISCHARGED EVERY 100 FEET MAXIMUM AT LOW POINTS ALONG THE TOE OF THE WALL.



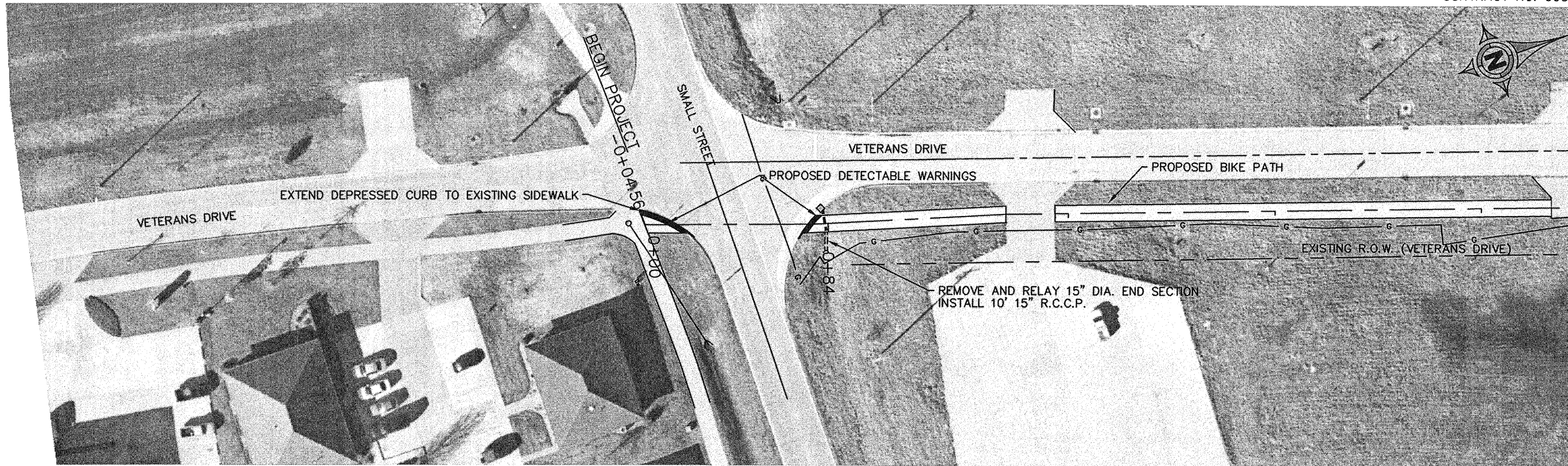
POST SET IN CONCRETE
NO SCALE



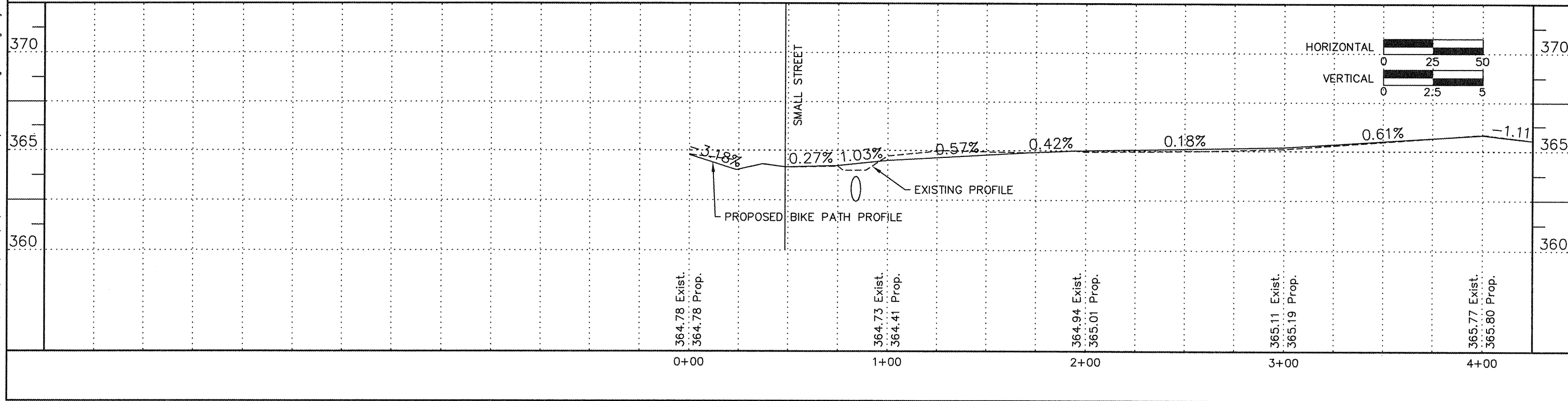
APPROACH BRIDGE RAILING DETAIL
NO SCALE

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	7
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383

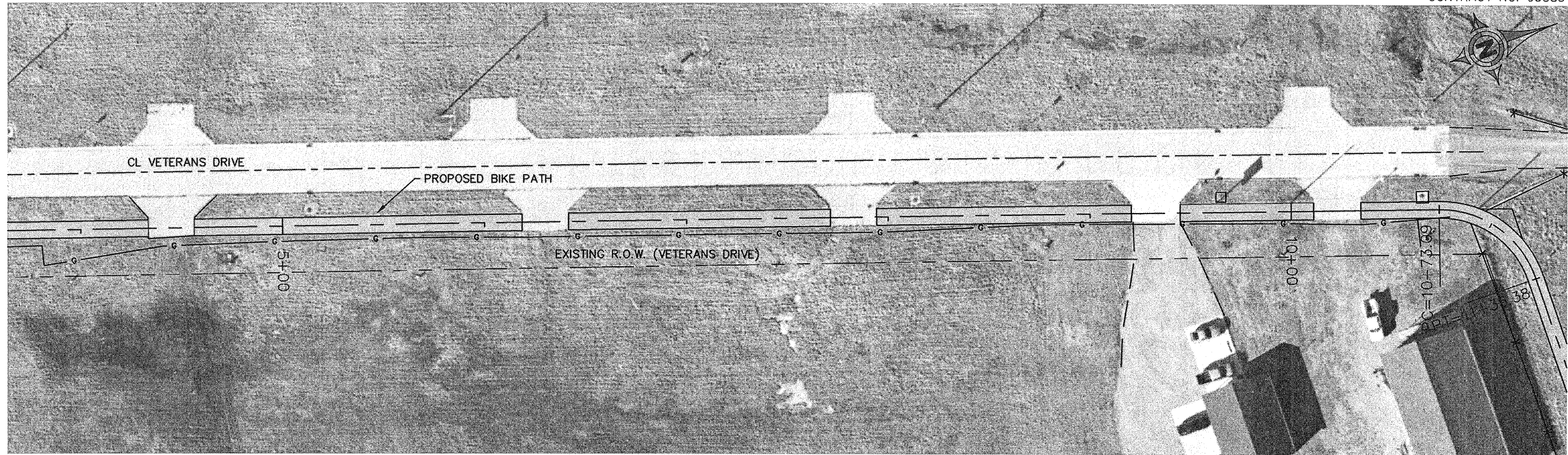


12 Nov 2009 - 3:00pm x:\2005\05138\HARRISBURG PLANS\05138 Harrisburg Base.dwg: Layout Tab 'STA 0+00'



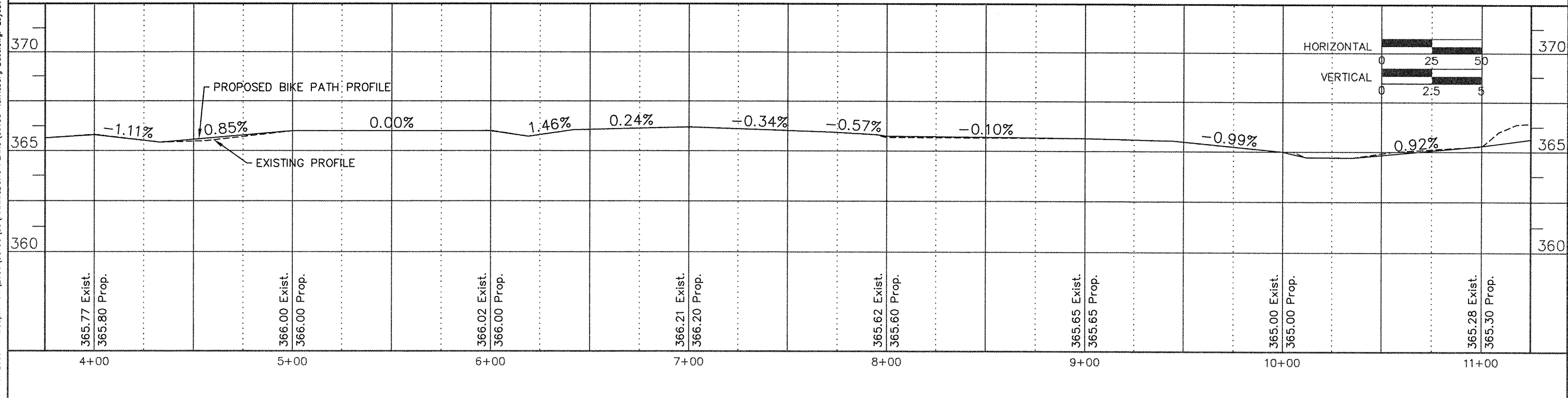
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	8
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383



HORIZONTAL CURVE DATA

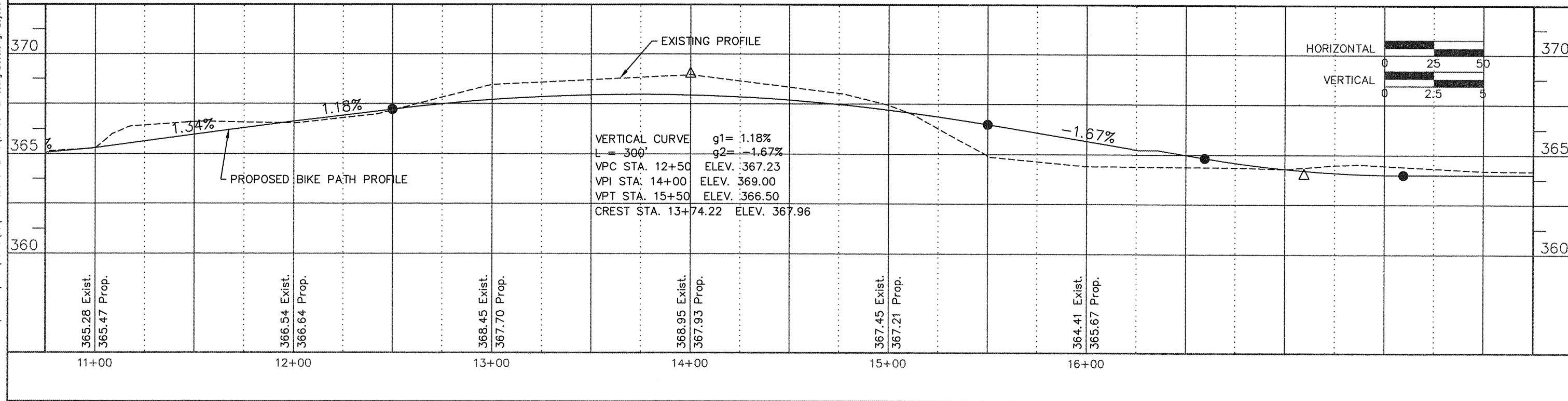
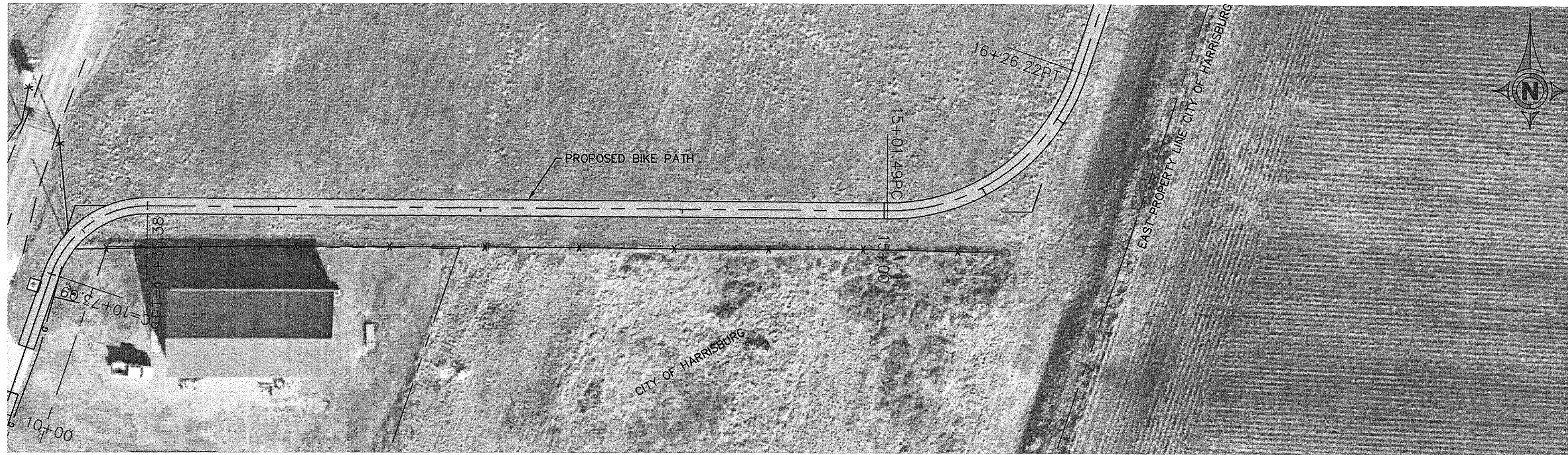
$\Delta = 71^{\circ}22'49''$	PC STA. = 10+73.09
R = 50.00'	PI STA. = 11+09.01
L = 62.29'	PT STA. = 11+35.38
T = 35.92'	



HORIZONTAL CURVE DATA
 $\Delta = -71^{\circ}28'00''$ PC STA. = 15+01.49
 $R = 100.00'$ PI STA. = 15+73.44
 $L = 124.73'$ PT STA. = 16+26.22
 $T = 71.957'$

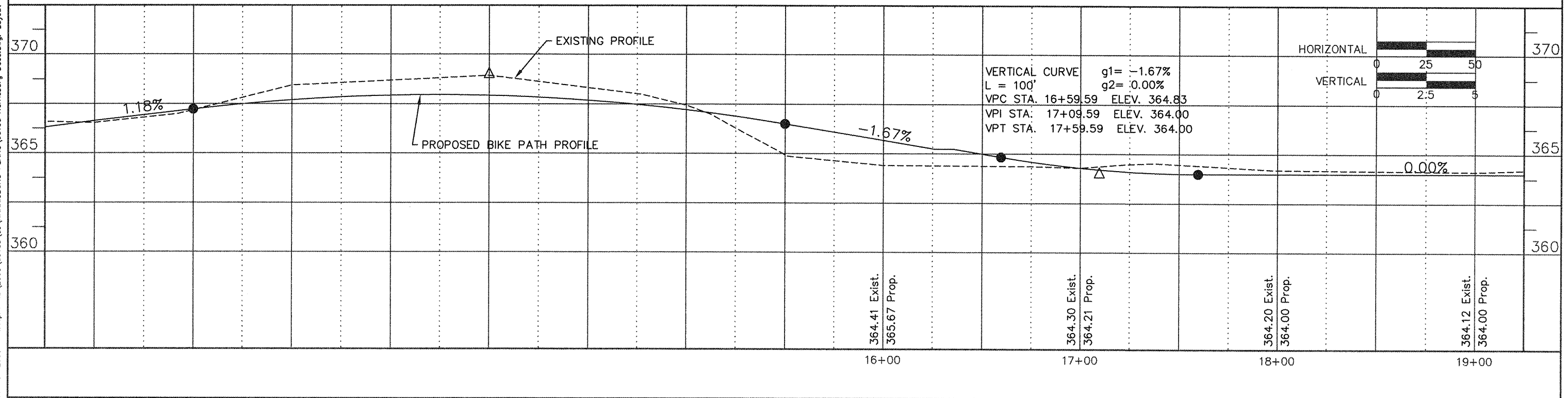
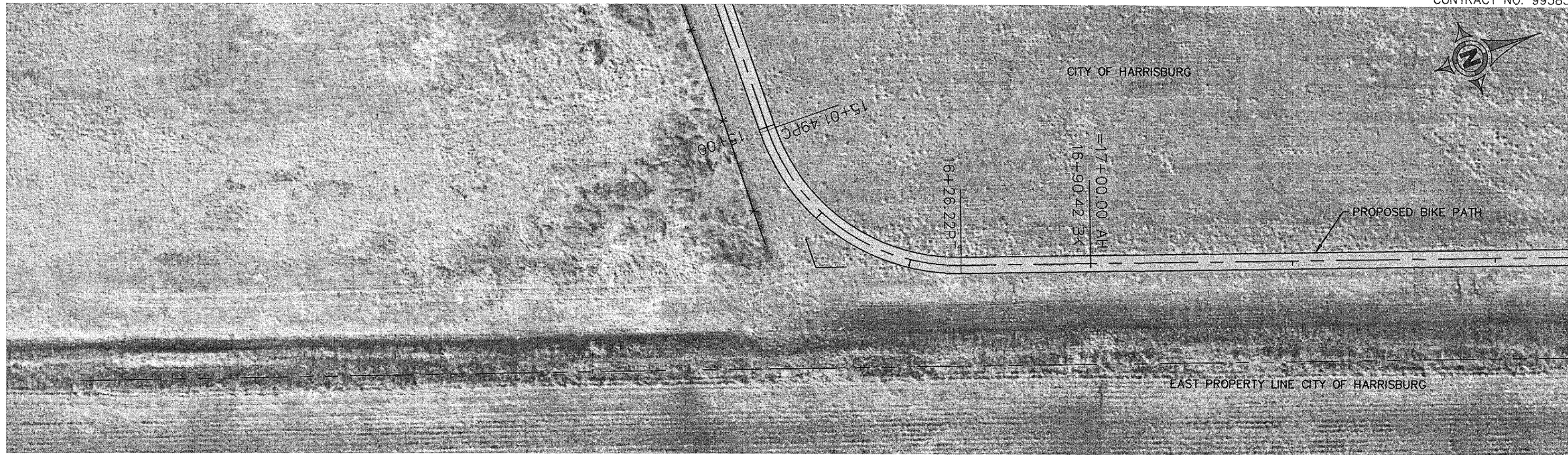
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	9
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383



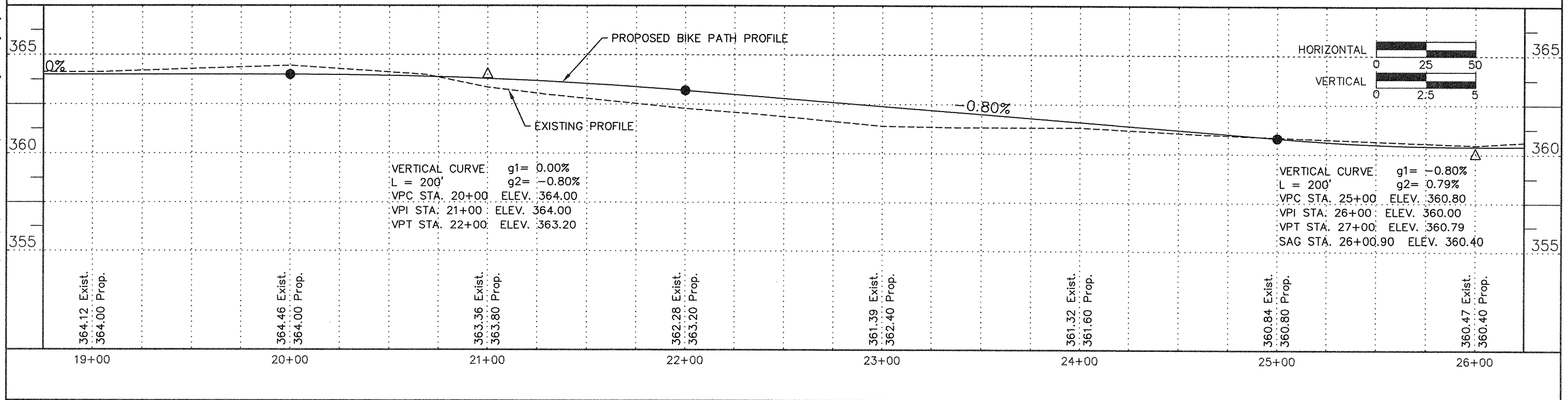
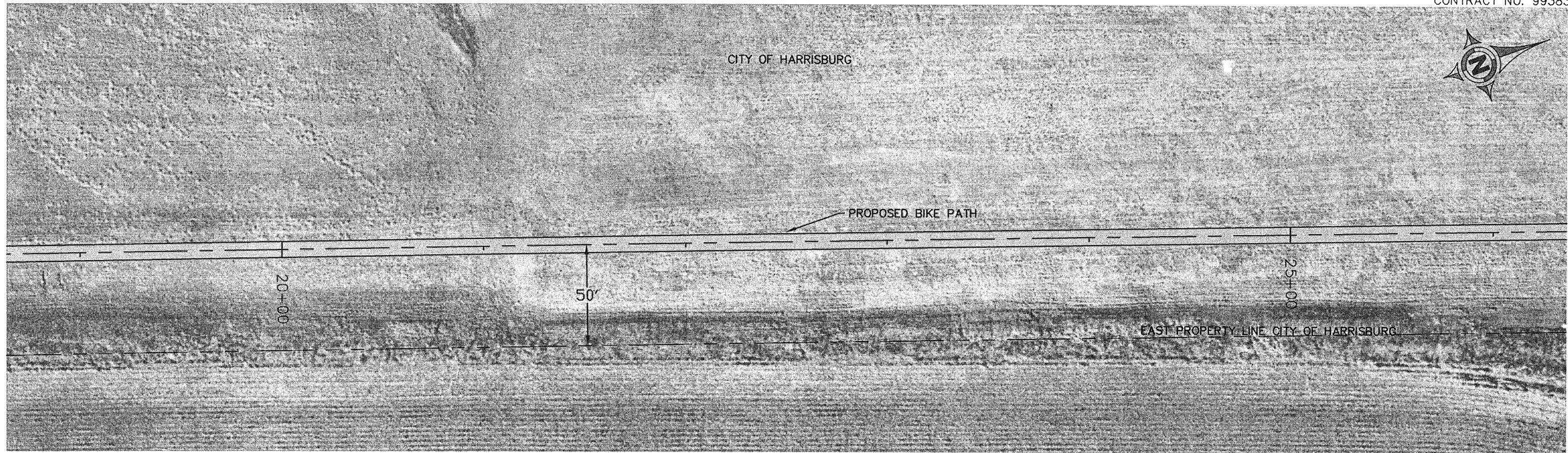
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	10
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	11
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

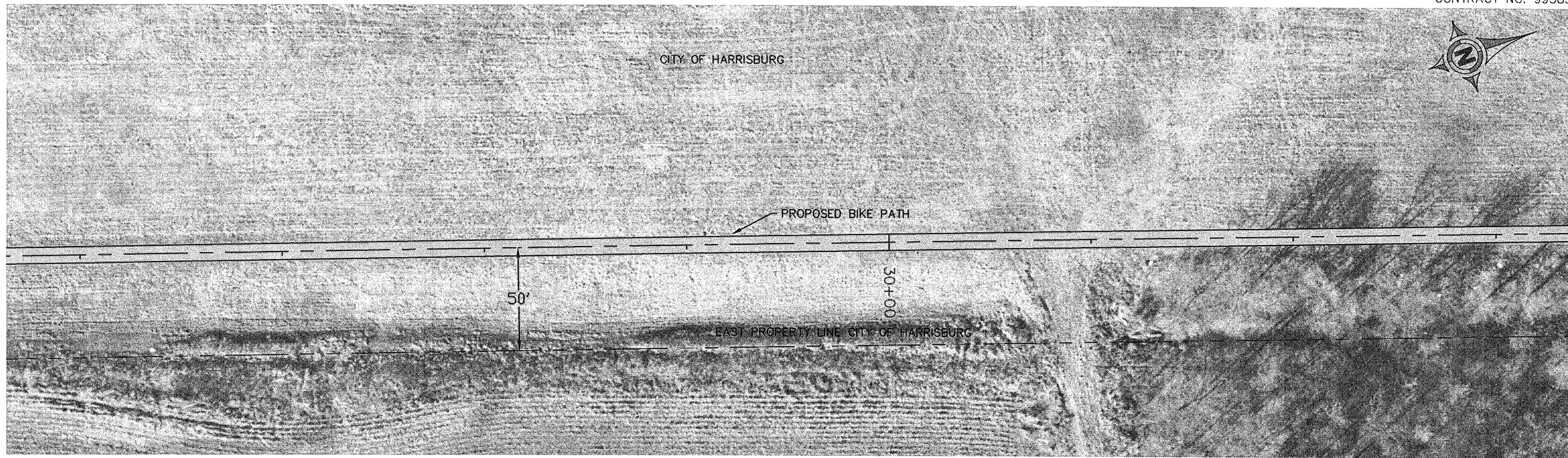
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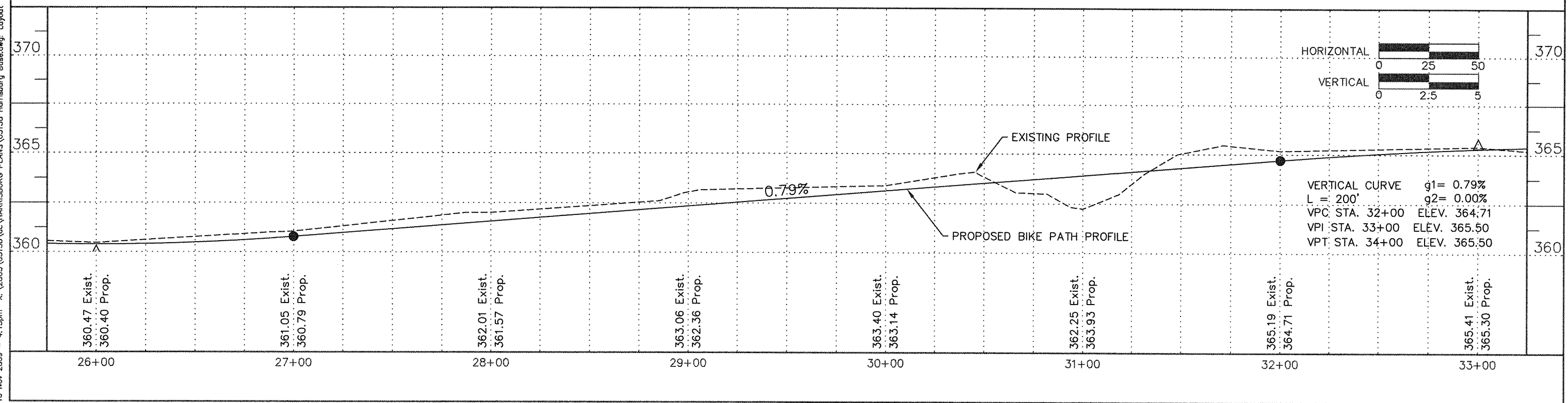
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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	12
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383

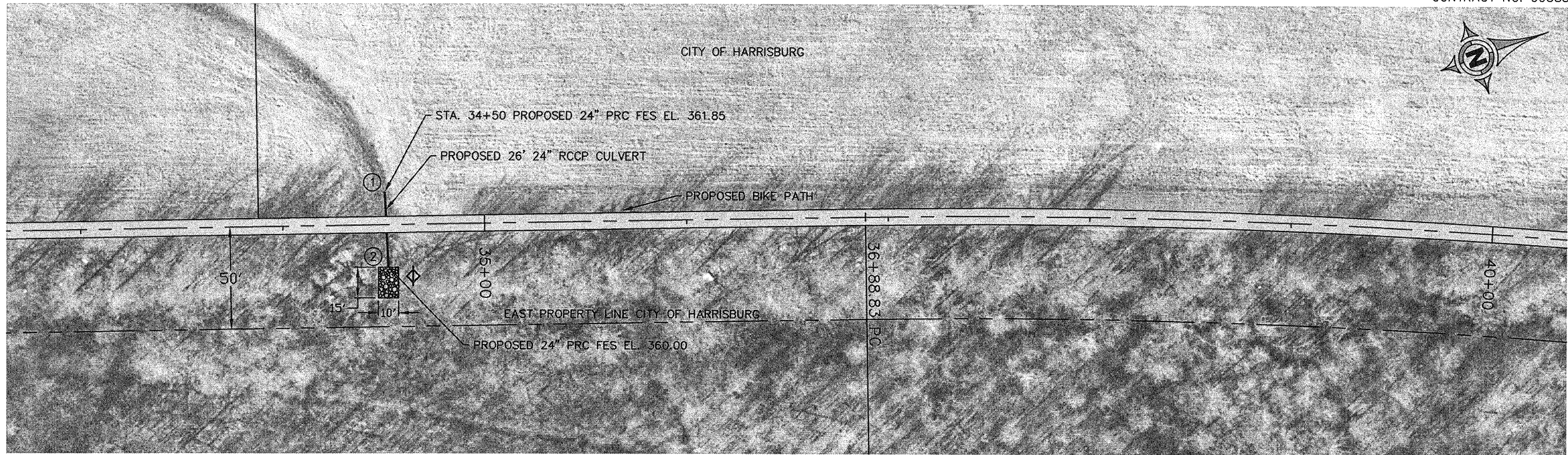


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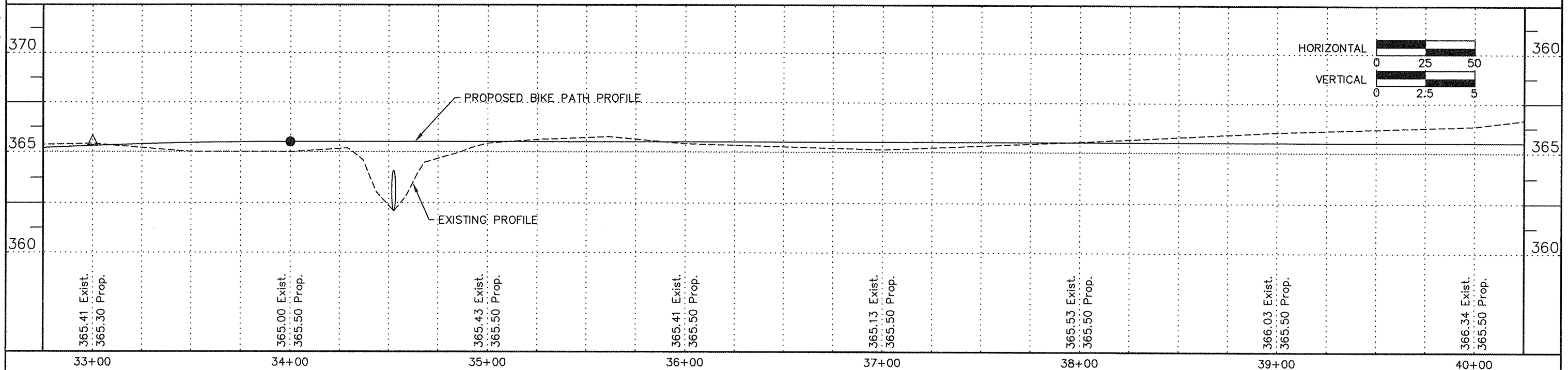
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	13
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383



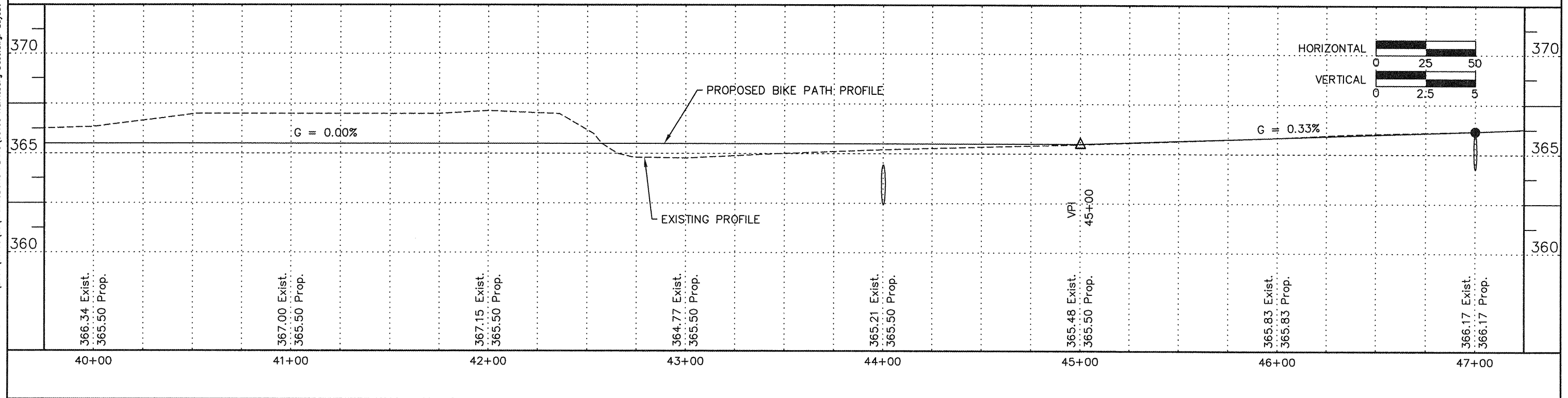
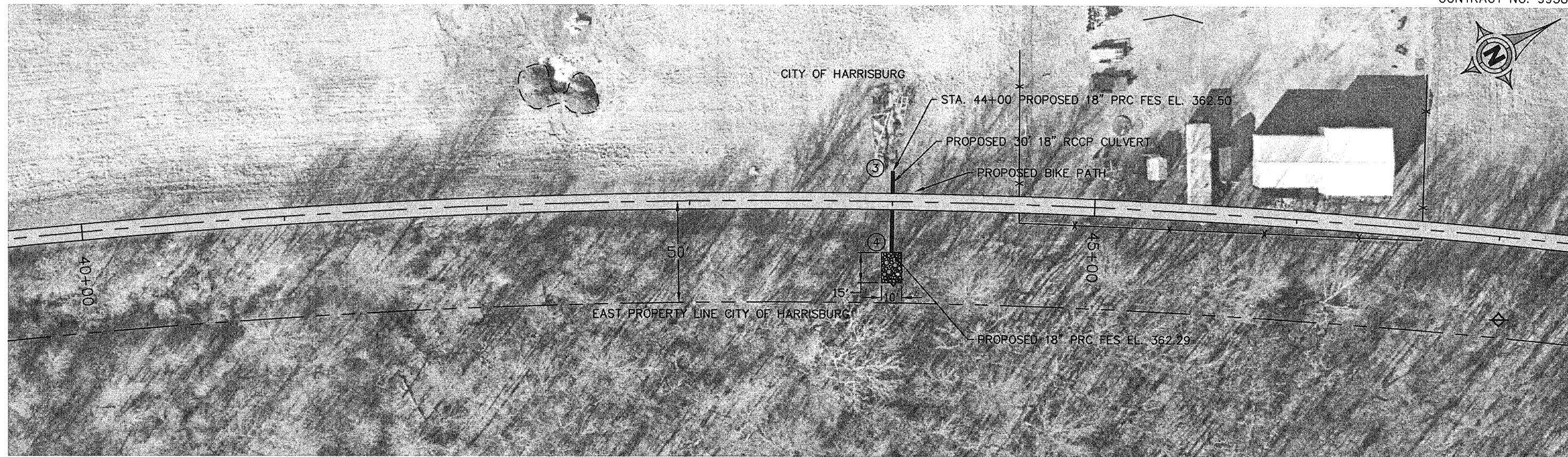
HORIZONTAL CURVE DATA

$\Delta = 16^{\circ}40'02''$ PC STA. = 36+88.83
 $R = 3819.83'$ PI STA. = 42+48.37
 $L = 1111.17'$ PT STA. = 48+00.00
 $T = 559.54'$



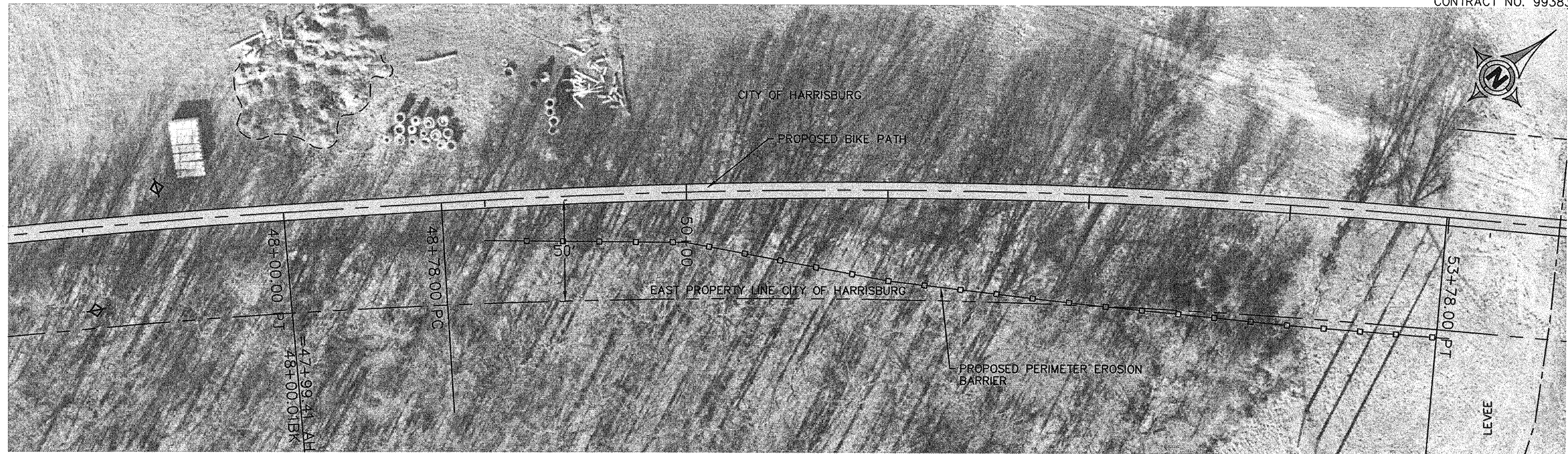
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	14
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383

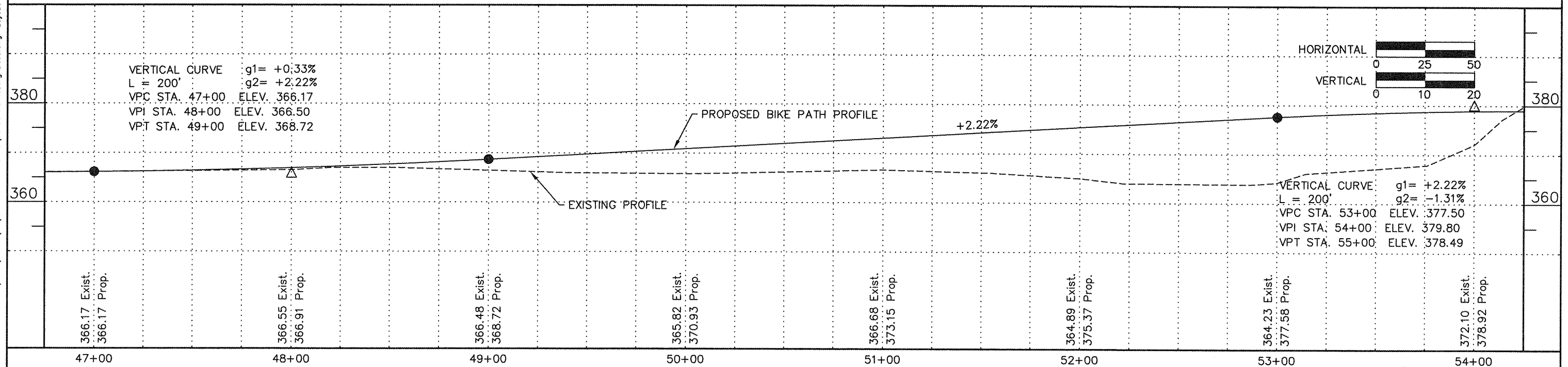


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	15
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383

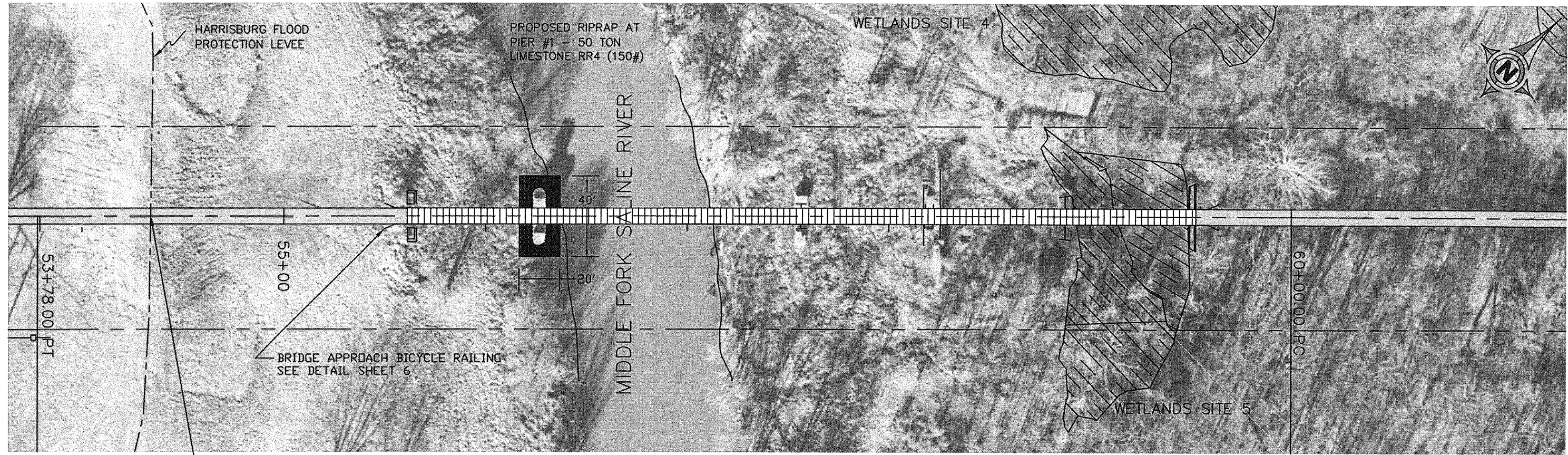


HORIZONTAL CURVE DATA
 $\Delta = 8^{\circ}41'58''$ PC STA. = 48+77.97
 $R = 3293.07'$ PI STA. = 51+28.45
 $L = 500.00'$ PT STA. = 53+77.97
 $T = 859.2'3''$



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	16
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

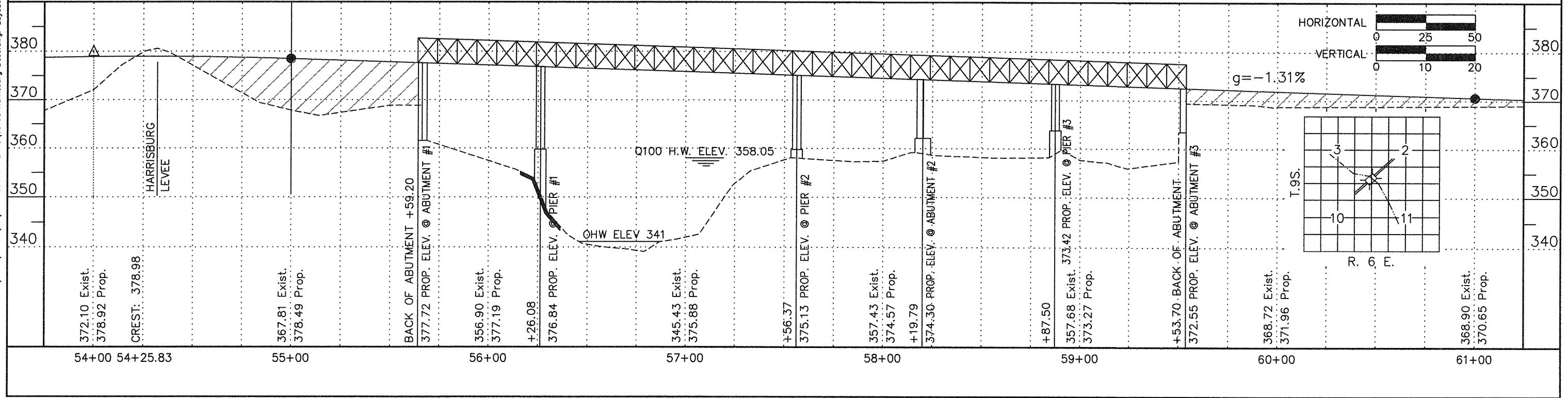
CONTRACT NO. 99383



PEDESTRIAN BRIDGE #1

LEVEE STATION 100+81 AND FORMER CL CCC&ST. LOUIS RR

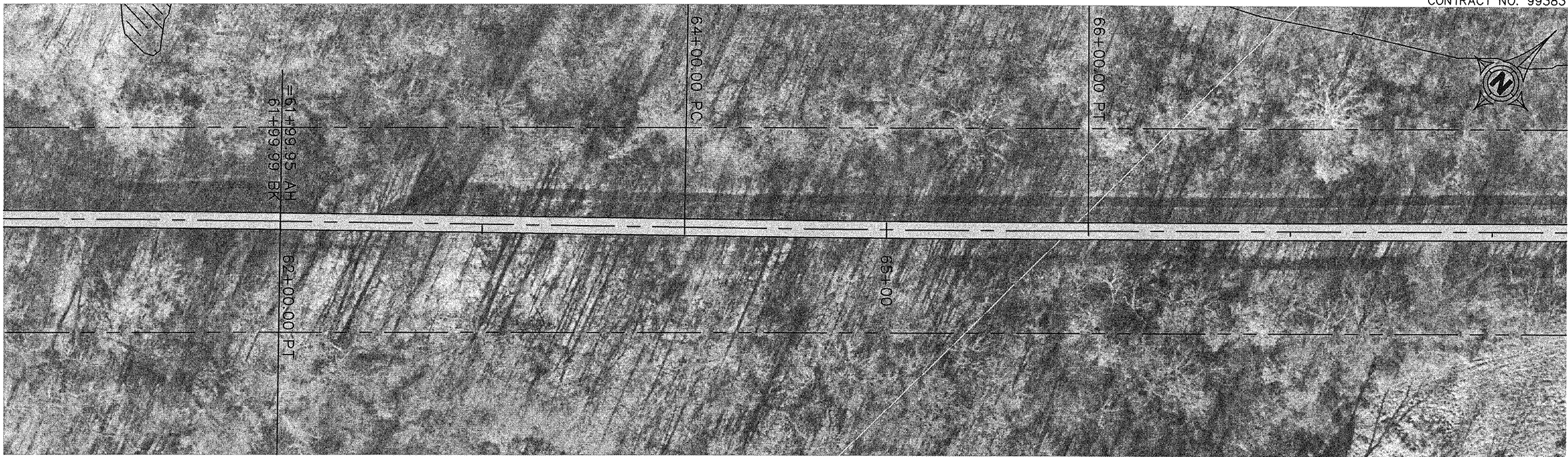
DRAINAGE AREA = 194 SQ. MI.
PROPOSED OPENING = 21432 SQ. FT.



11 Nov 2009 - 6:46am X:\2005\05138\vac\HARRISBURG PLANS\05138 Harrisburg Base.dwg: Layout Tab 'STA 54+00'

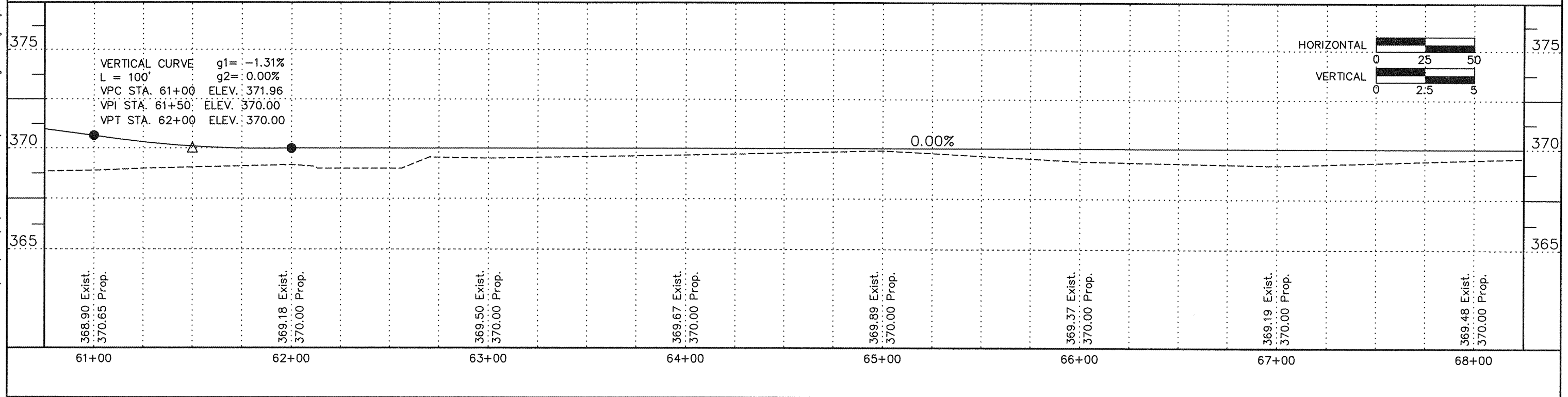
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	17
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383



HORIZONTAL CURVE DATA
 $\Delta = 0^\circ 48' 00''$ PC STA. = 60+00.00
 $R = 14,323.94'$ PI STA. = 61+00.00
 $L = 200.00'$ PT STA. = 62+00.00
 $T = 100.00'$

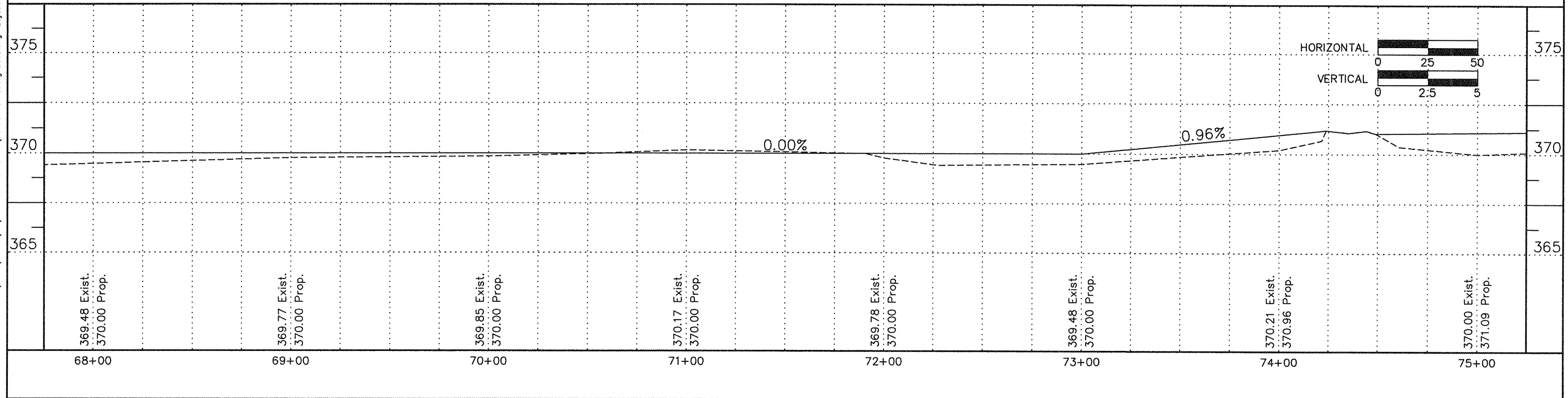
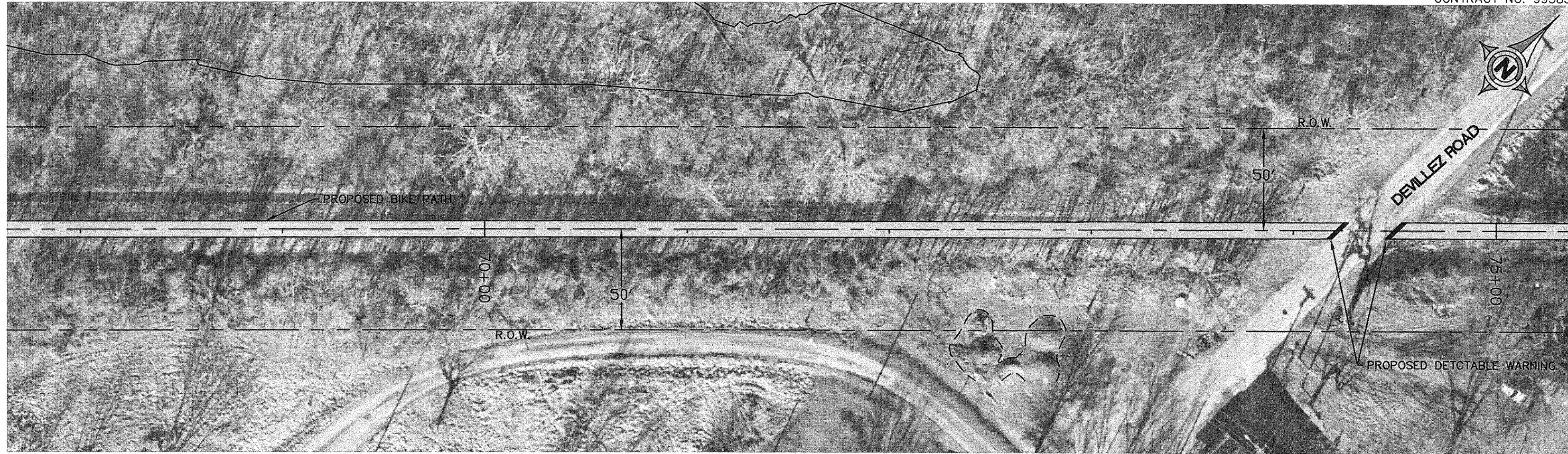
HORIZONTAL CURVE DATA
 $\Delta = 0^\circ 48' 45''$ PC STA. = 64+00.00
 $R = 14,103.58'$ PI STA. = 65+00.00
 $L = 200.00'$ PT STA. = 66+00.00
 $T = 100.00'$



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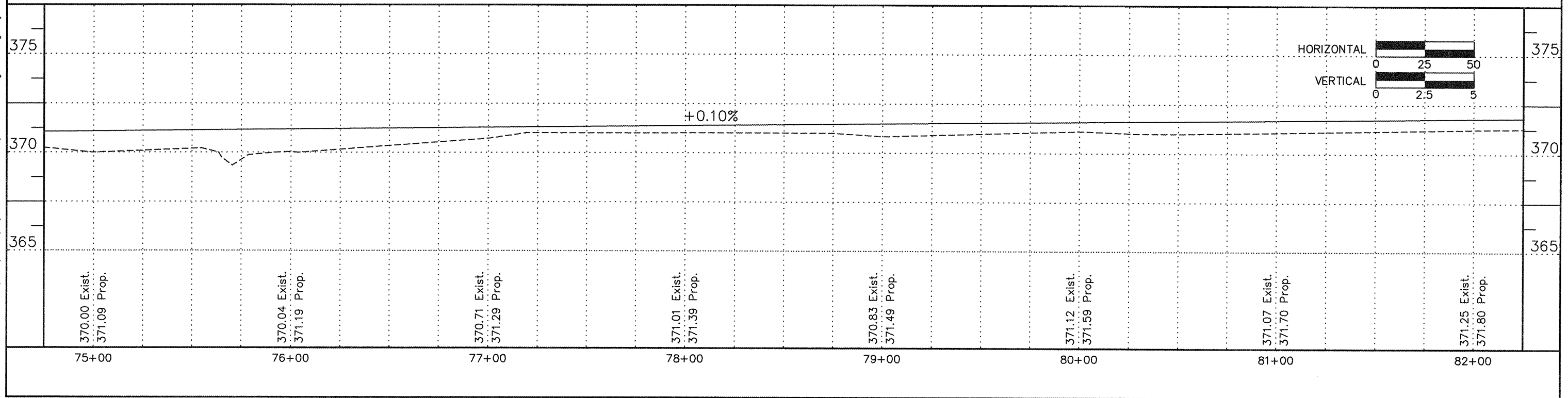
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	18
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	19
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383



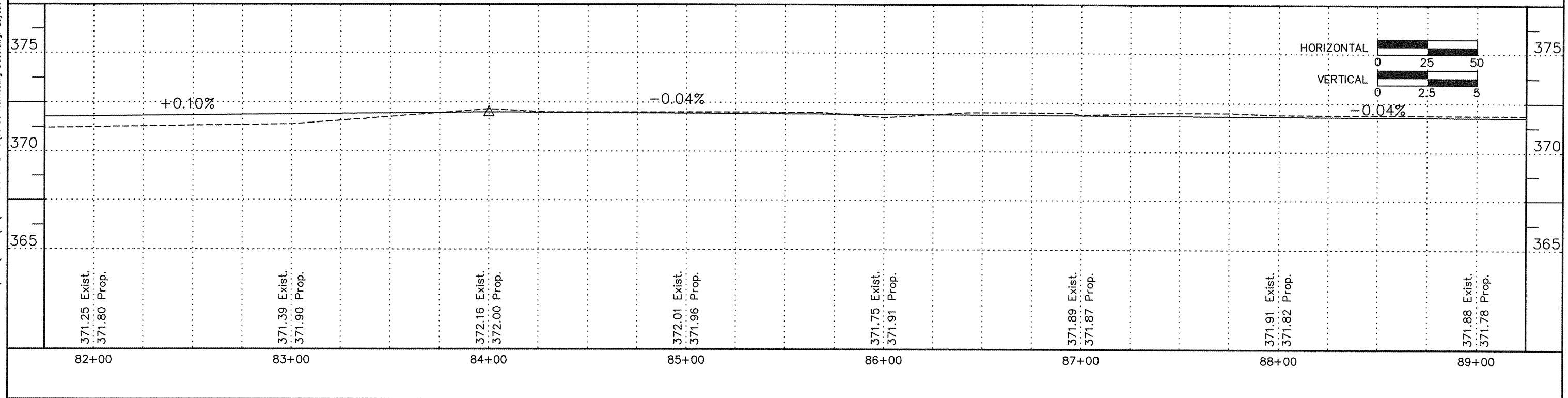
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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	20
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383

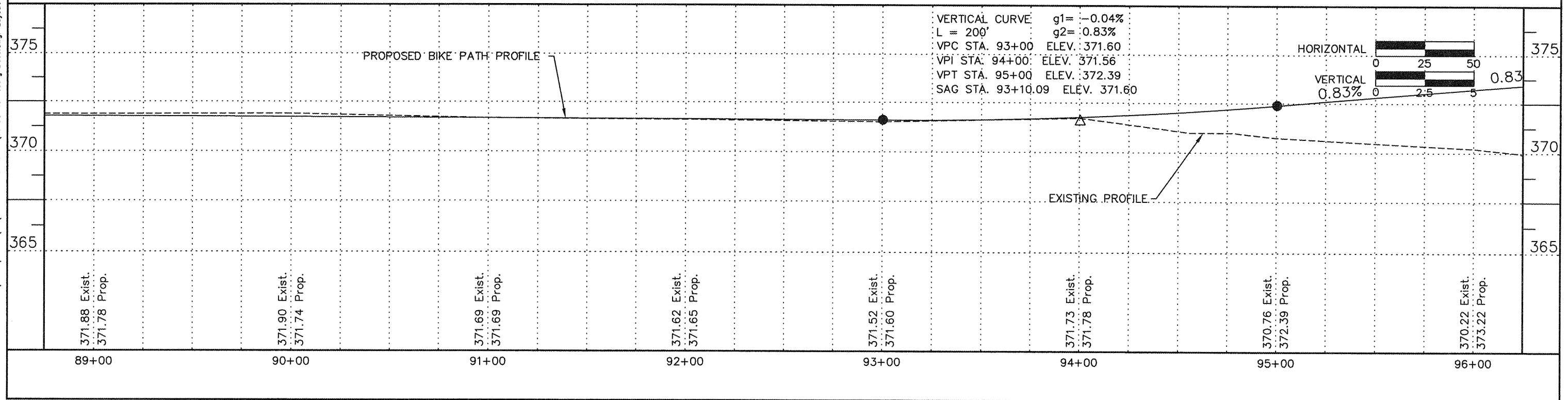
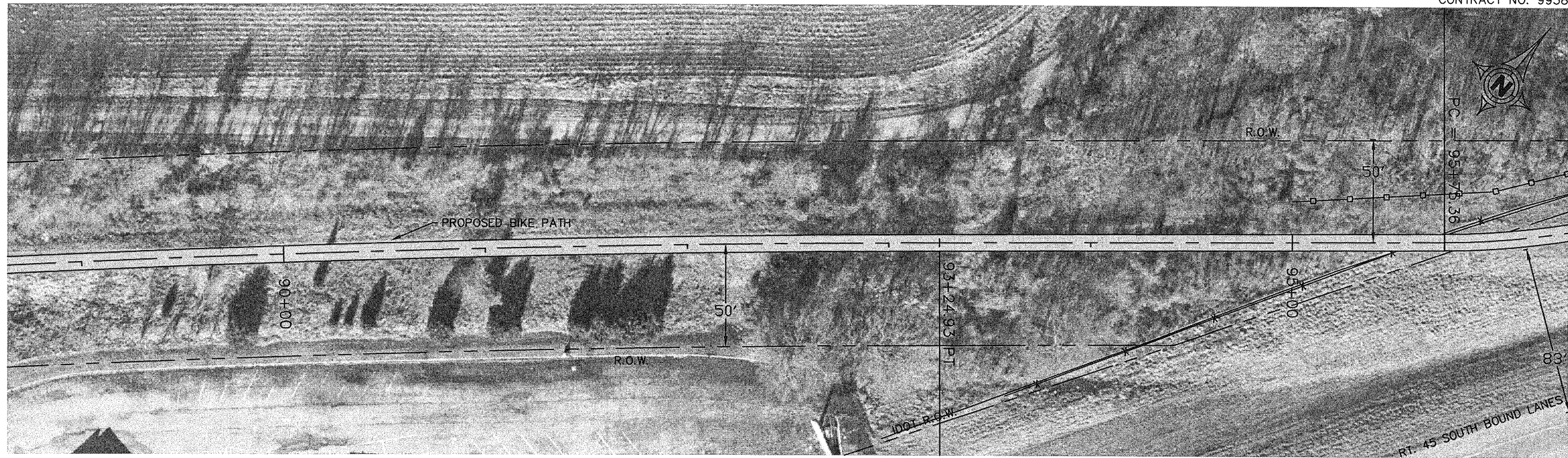


HORIZONTAL CURVE DATA
 $\Delta = 5^{\circ}32'00''$ PC STA. = 82+18.25
 $R = 11459.19'$ PI STA. = 87+72.02
 $L = 1106.67'$ PT STA. = 93+24.92
 $T = 553.77'$



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	21
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383

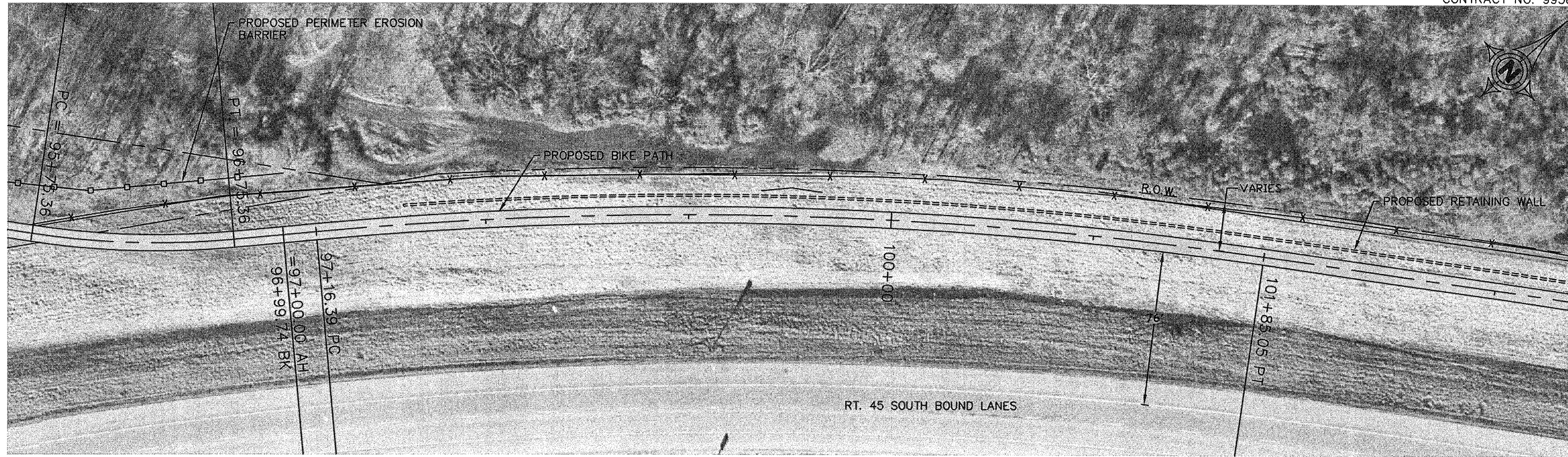


HORIZONTAL CURVE DATA

Δ = -14°00'31" PC STA. = 95+75.36
 R = 409.00' PI STA. = 96+25.61
 L = 100.00' PT STA. = 96+75.36
 T = 50.25'

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	22
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

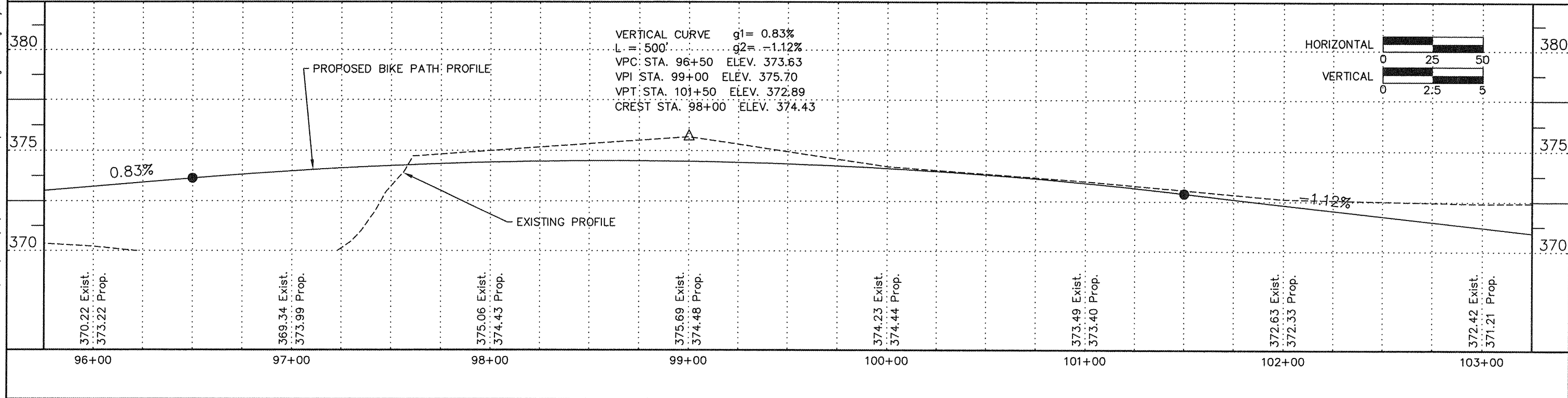
CONTRACT NO. 99383



HORIZONTAL CURVE DATA

Δ = 13°25'34" PC STA. = 97+16.39
 R = 2000.00' PI STA. = 99+51.80
 L = 468.66' PT STA. = 101+85.05
 T = 235.41'

VERTICAL CURVE g1= 0.83%
 L = 500' g2= -1.12%
 VPC: STA. 96+50 ELEV. 373.63
 VPI: STA. 99+00 ELEV. 375.70
 VPT: STA. 101+50 ELEV. 372.89
 CREST STA. 98+00 ELEV. 374.43

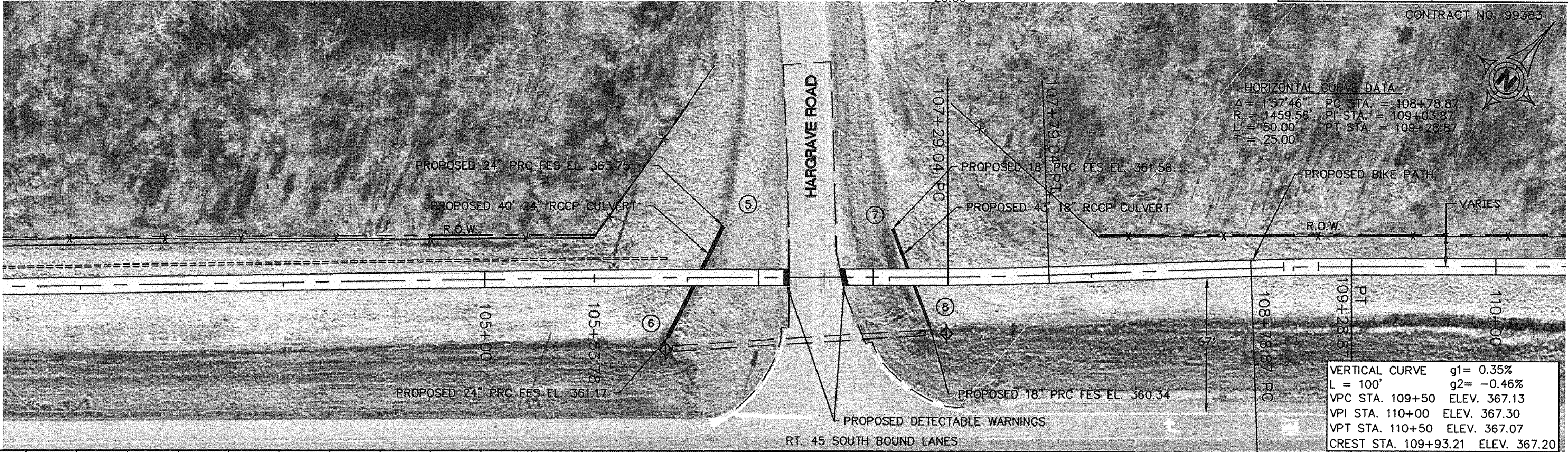


HORIZONTAL CURVE DATA

Δ = -1°48'41" PC STA. = 107+29.04
 R = 1581.54' PI STA. = 107+54.04
 L = 50.00' PT STA. = 107+79.04
 T = 25.00'

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	23
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383

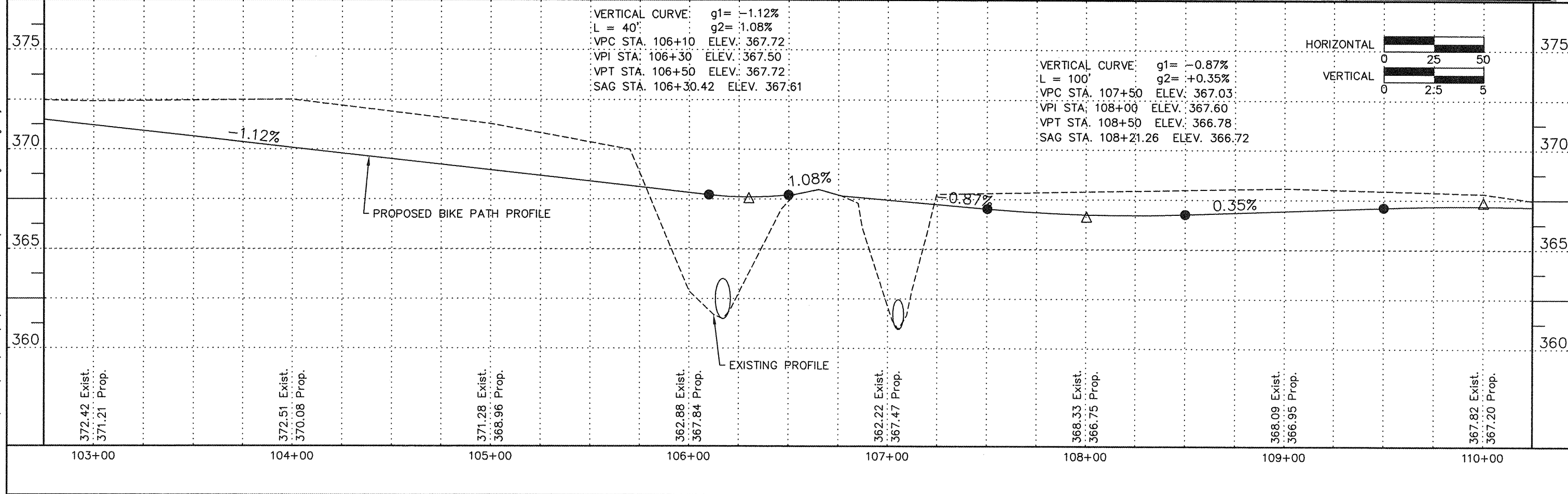
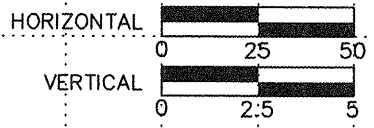


HORIZONTAL CURVE DATA
 Δ = 1°57'46" PC STA. = 108+78.87
 R = 1459.56' PI STA. = 109+03.87
 L = 50.00' PT STA. = 109+28.87
 T = 25.00'

VERTICAL CURVE g1= 0.35%
 L = 100' g2= -0.46%
 VPC STA. 109+50 ELEV. 367.13
 VPI STA. 110+00 ELEV. 367.30
 VPT STA. 110+50 ELEV. 367.07
 CREST STA. 109+93.21 ELEV. 367.20

VERTICAL CURVE g1= -1.12%
 L = 40' g2= 1.08%
 VPC STA. 106+10 ELEV. 367.72
 VPI STA. 106+30 ELEV. 367.50
 VPT STA. 106+50 ELEV. 367.72
 SAG STA. 106+30.42 ELEV. 367.61

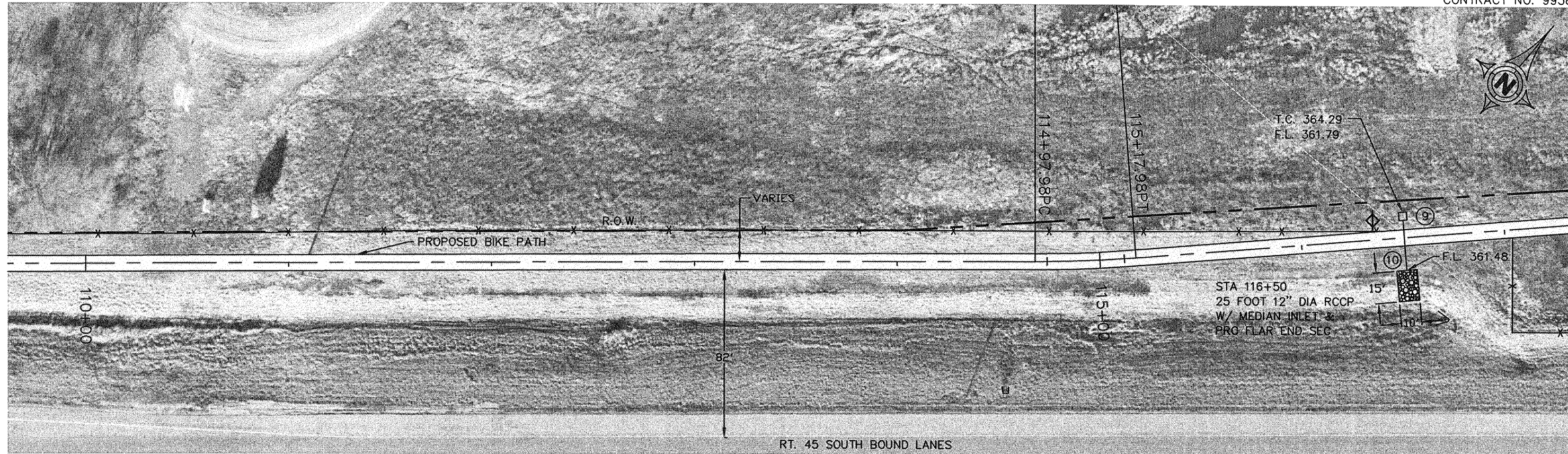
VERTICAL CURVE g1= -0.87%
 L = 100' g2= +0.35%
 VPC STA. 107+50 ELEV. 367.03
 VPI STA. 108+00 ELEV. 367.60
 VPT STA. 108+50 ELEV. 366.78
 SAG STA. 108+21.26 ELEV. 366.72



HORIZONTAL CURVE DATA
 $\Delta = -4^{\circ}23'51''$ PC STA. = 114+67.98
 $R = 651.46'$ PI STA. = 114+92.99
 $L = 50.00'$ PT STA. = 115+17.98
 $T = 25.01'$

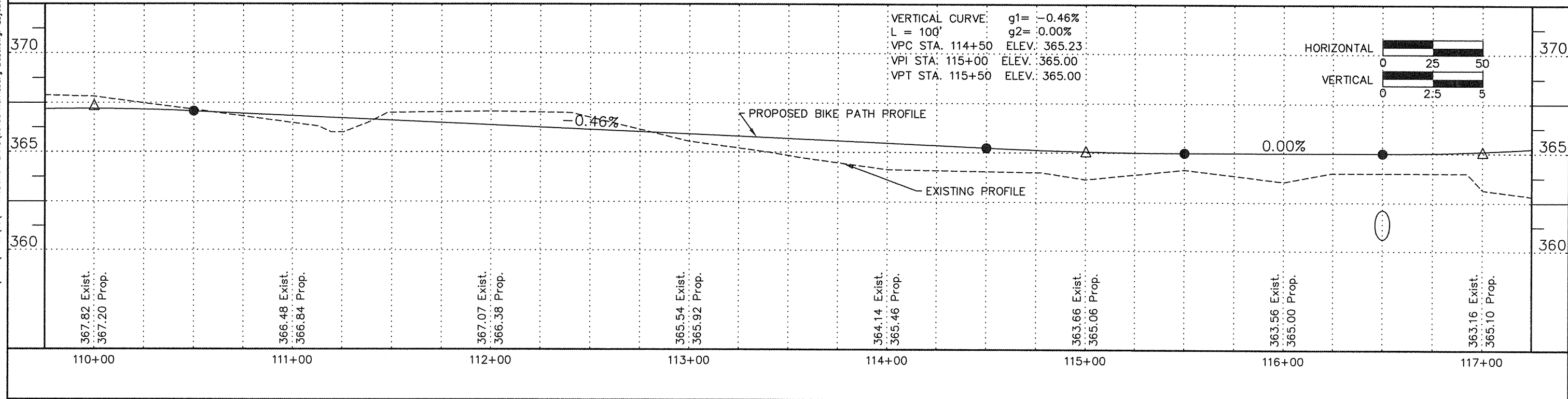
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	24
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383



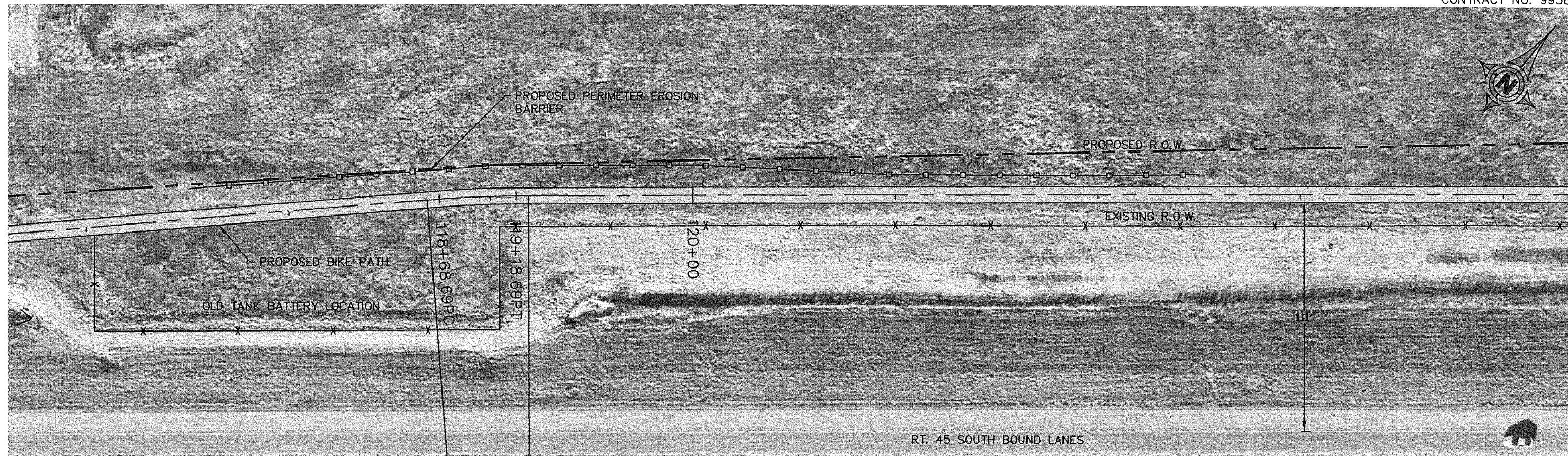
VERTICAL CURVE $g1 = 0.00\%$
 $L = 100'$ $g2 = 0.83\%$
VPC STA. 116+50 ELEV. 365.00
VPI STA. 117+00 ELEV. 365.00
VPT STA. 117+50 ELEV. 365.42

23 Nov 2009 - 7:33am X:\2005\05138\ac\HARRISBURG PLANS\05138 Harrisburg Base.dwg: Layout Tab STA 110+00'



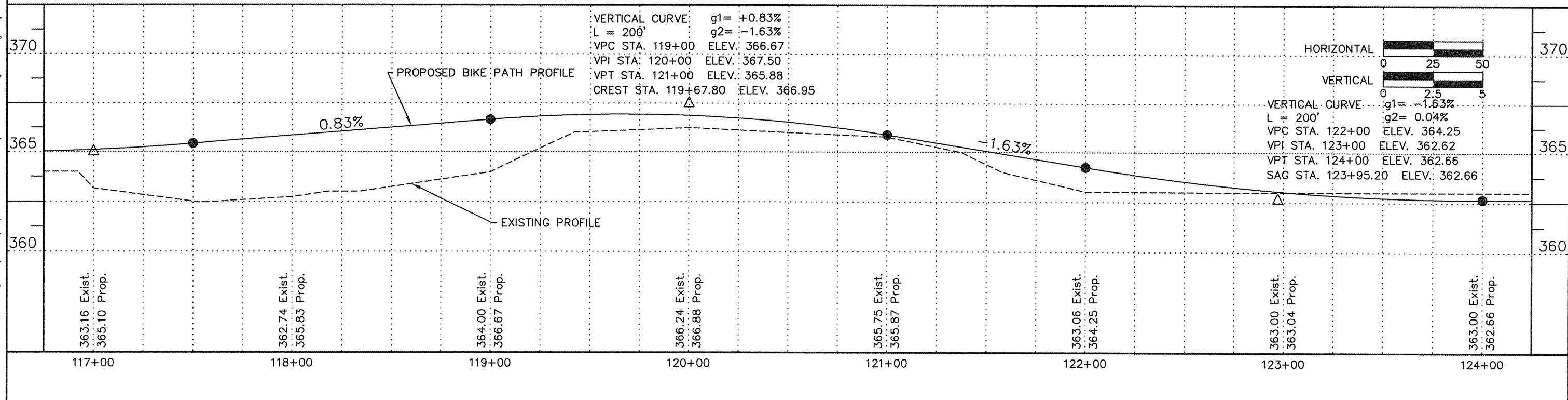
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	25
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383



HORIZONTAL CURVE DATA

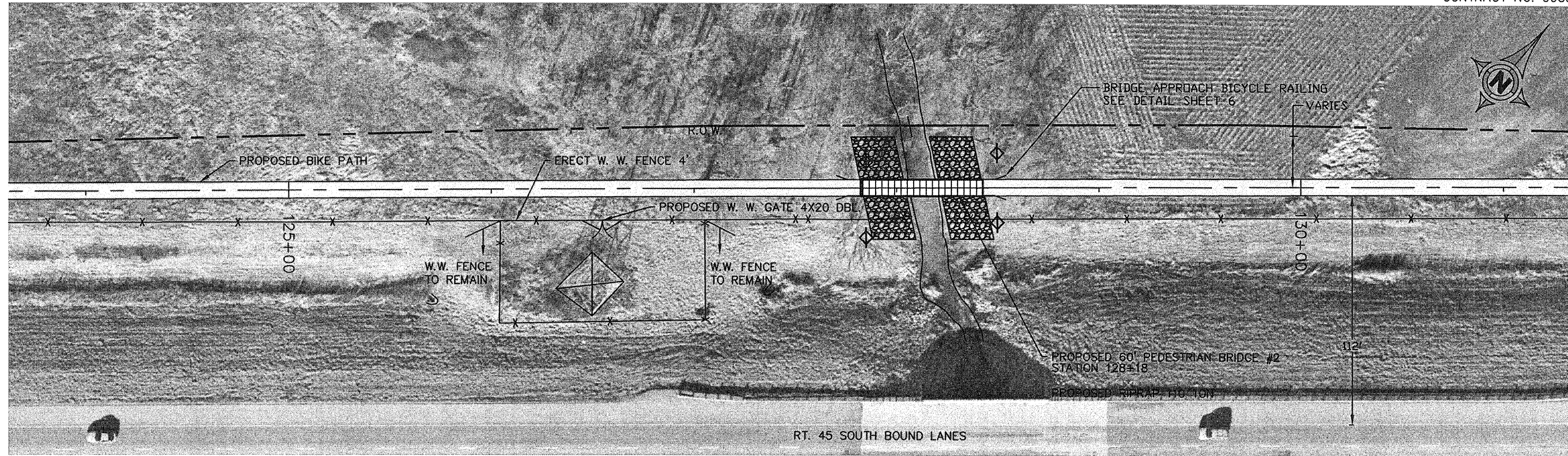
Δ = 4°19'57"	PC STA. = 118+68.69
R = 661.23'	PI STA. = 118+93.70
L = 50.00'	PT STA. = 119+18.69
T = 25.01'	



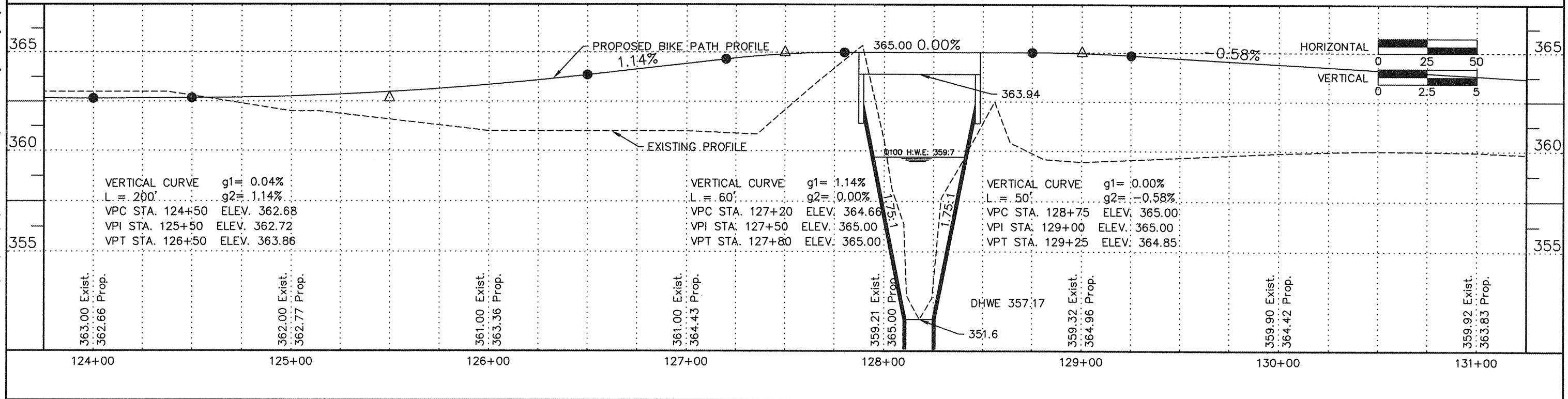
11 Nov 2009 - 7:03am X:\2005\05138\oc\HARRISBURG PLANS\05138 Harrisburg Base.dwg Layout Tab STA 117+00'

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	26
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383



12 Nov 2009 - 10:05am X:\2005\05138\loc\HARRISBURG PLANS\05138 Harrisburg Base.dwg: Layout Tab 'STA 124+00'

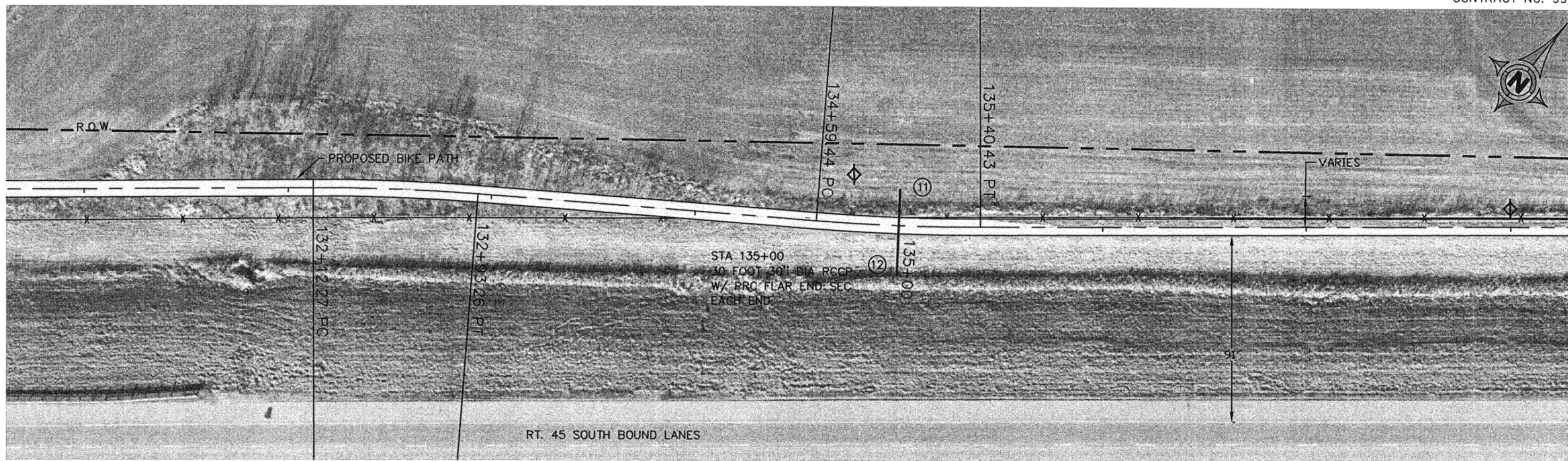


HORIZONTAL CURVE DATA

$\Delta = -4'38'25''$ PC STA. = 134+59.44
 $R = 1000.00'$ PI STA. = 134+99.96
 $L = 80.99'$ PT STA. = 135+40.43
 $T = 40.52'$

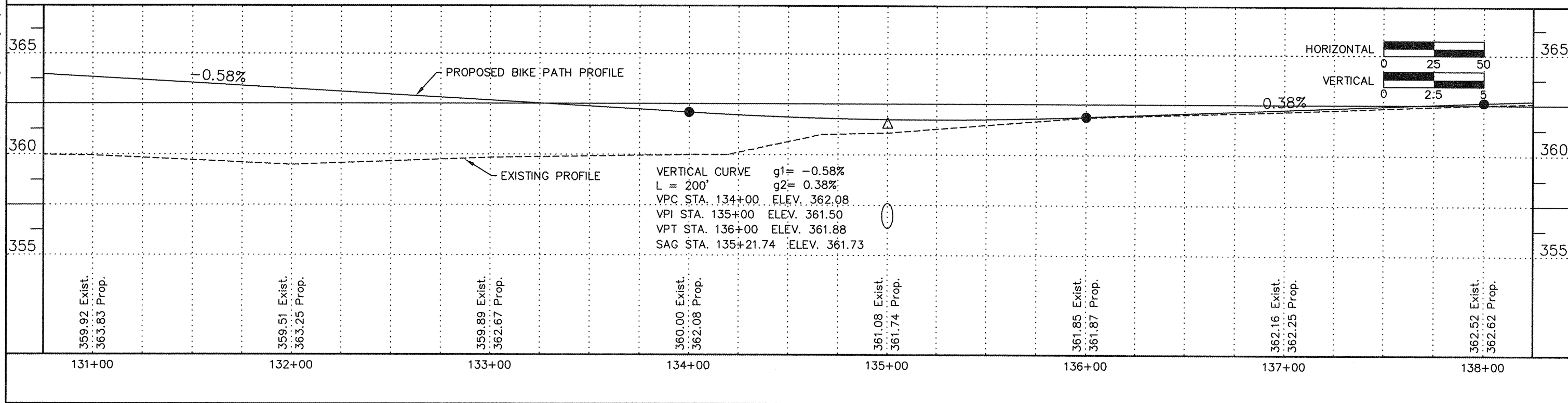
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	27
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383



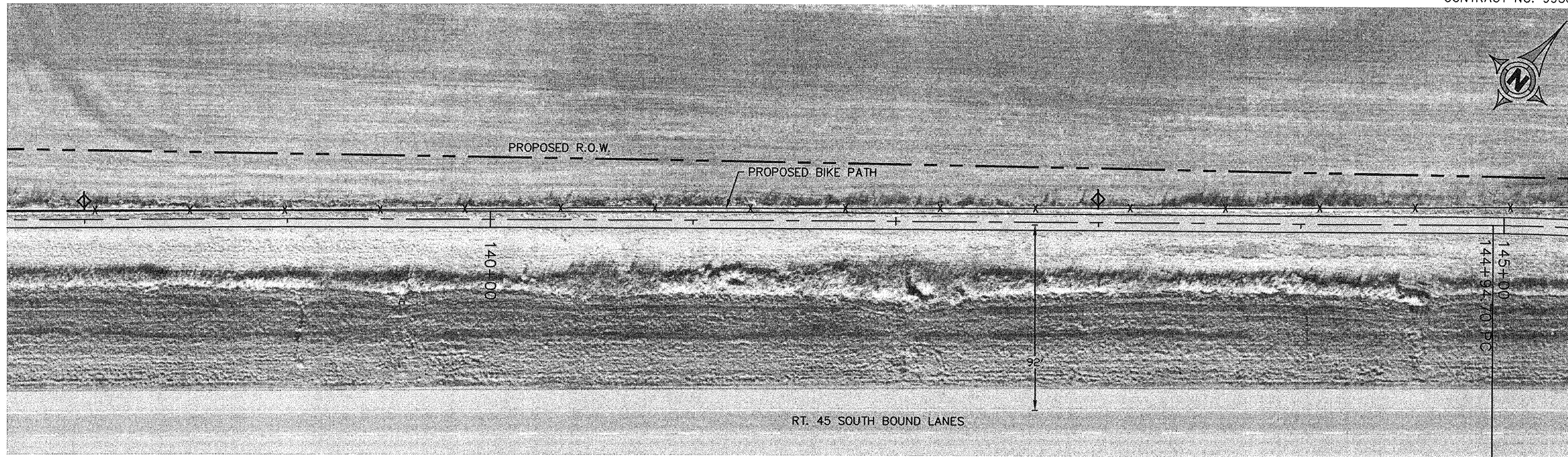
HORIZONTAL CURVE DATA

$\Delta = 4'38'25''$ PC STA. = 132+12.27
 $R = 1000.00'$ PI STA. = 132+52.79
 $L = 80.99'$ PT STA. = 132+93.26
 $T = 40.52'$



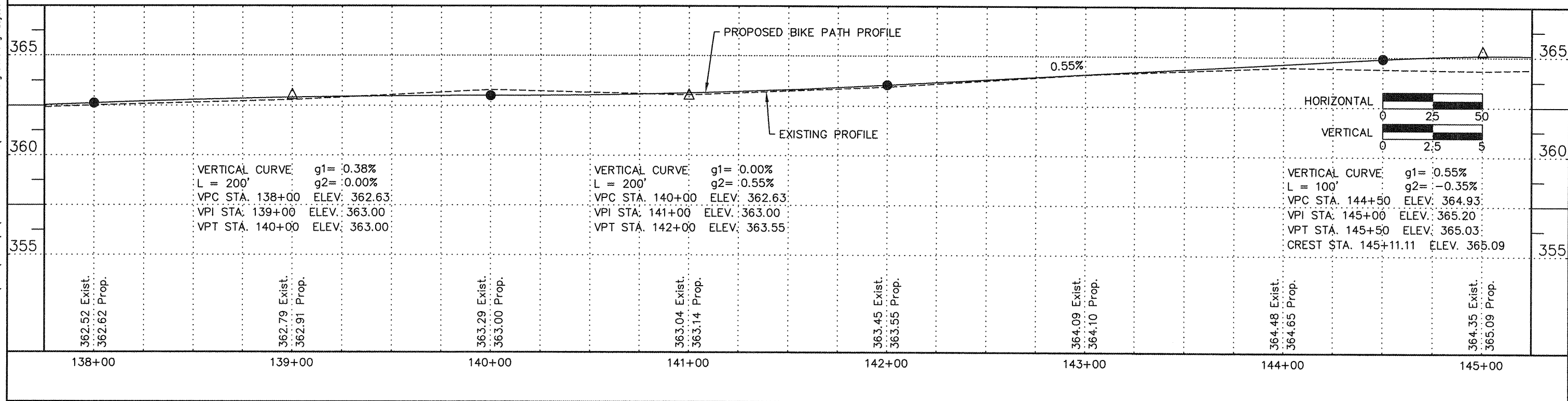
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	28
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383



HORIZONTAL CURVE DATA

$\Delta = 3^{\circ}54'48''$ PC STA. = 144+94.70
 $R = 1000.00'$ PI STA. = 145+28.86
 $L = 68.30'$ PT STA. = 145+63.00
 $T = 34.16'$



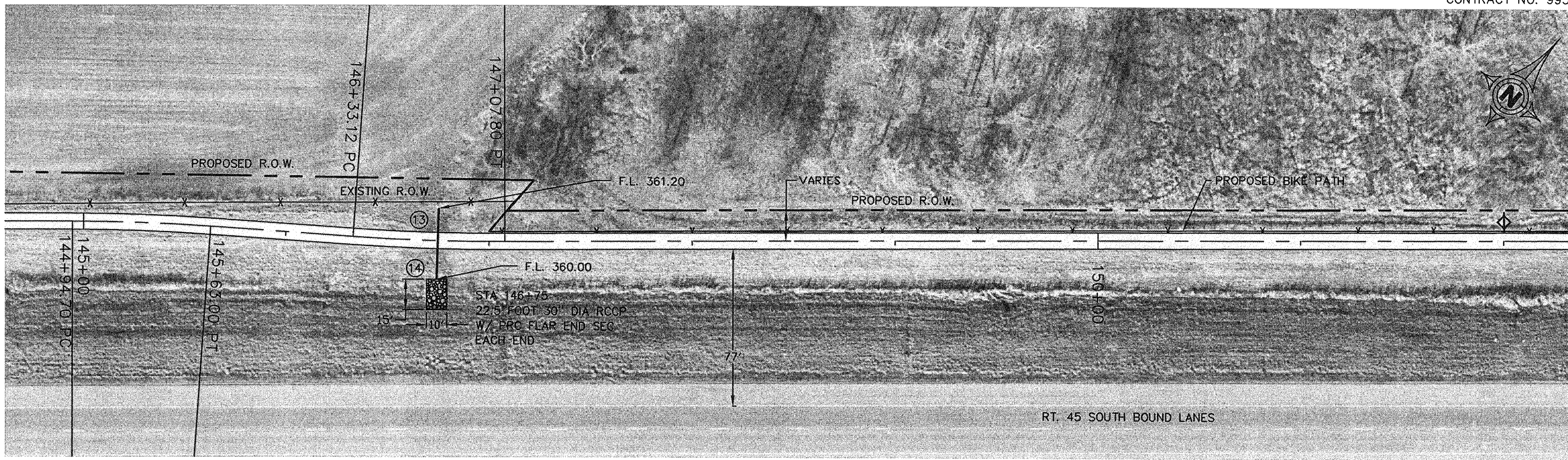
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HORIZONTAL CURVE DATA

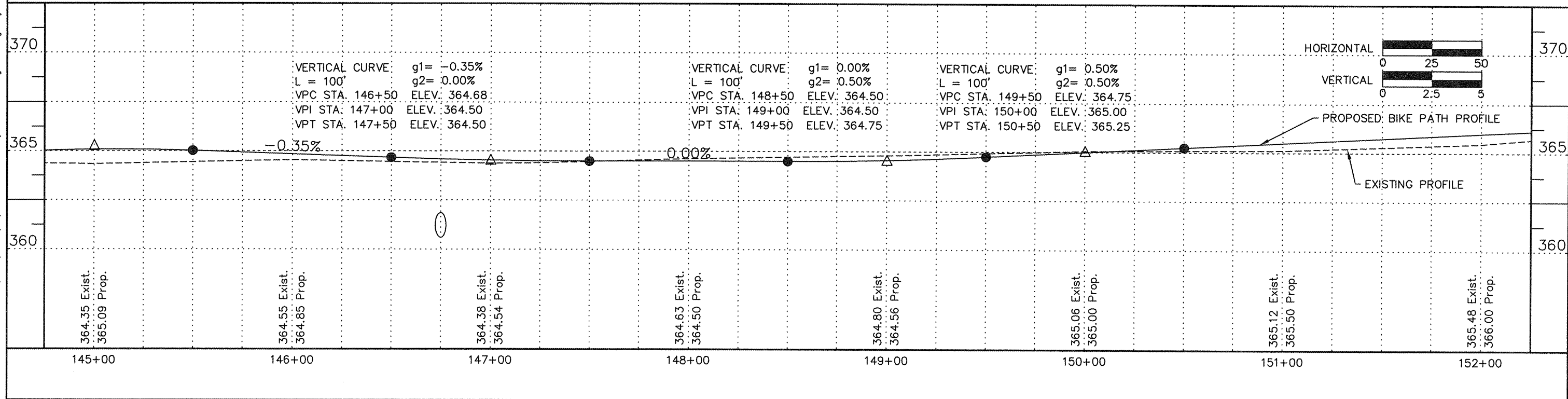
Δ = -4'16"43" PC STA. = 146+33.12
 R = 1000.00' PI STA. = 146+70.48
 L = 74.68' PT STA. = 147+07.80
 T = 37.36'

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	29
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383

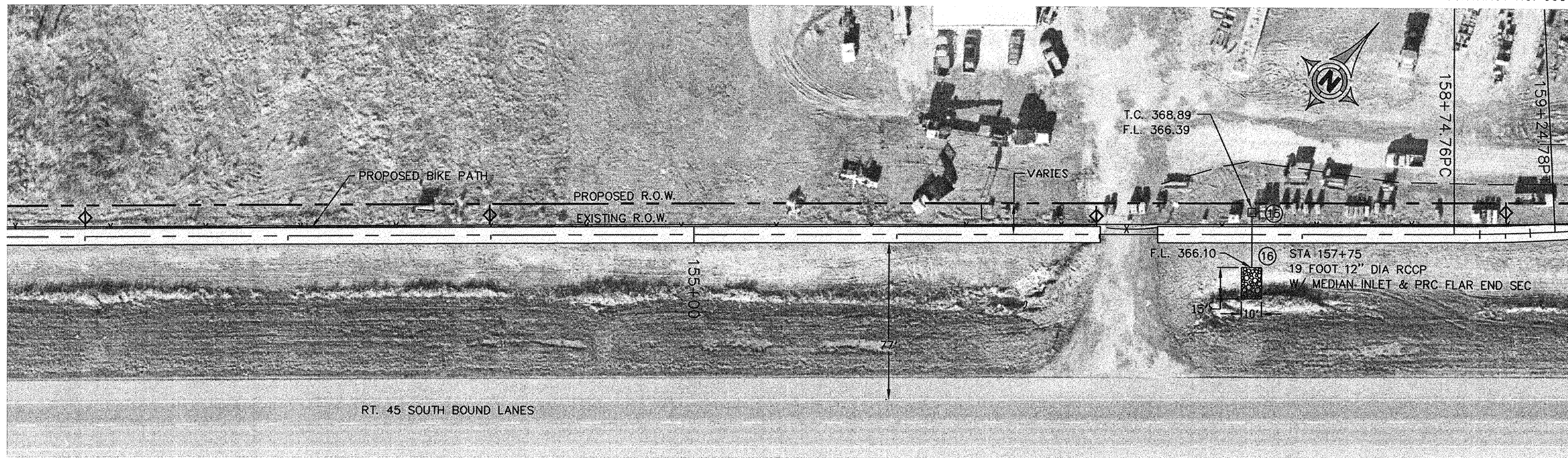


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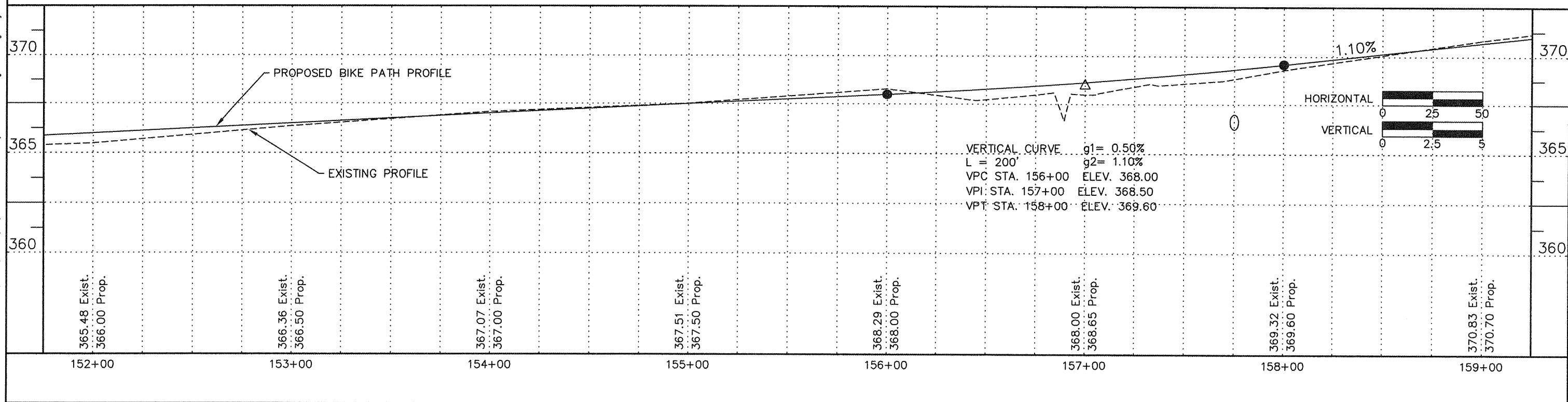
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	30
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383



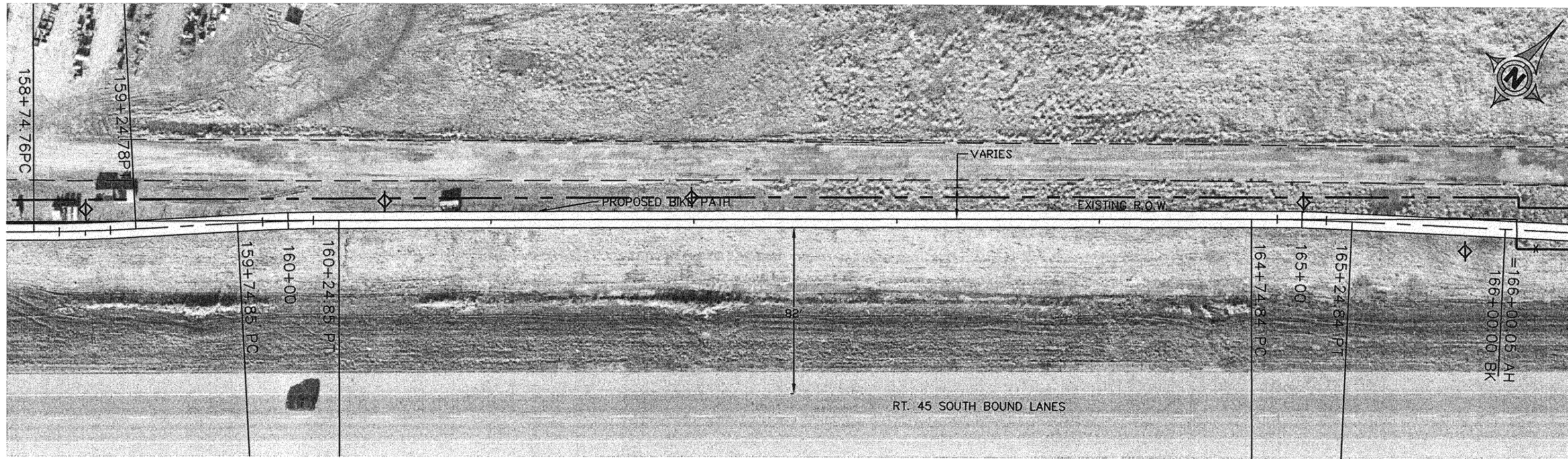
HORIZONTAL CURVE DATA

$\Delta = -2'51'45''$ PC STA. = 158+74.74
 $R = 1000.80'$ PI STA. = 158+99.75
 $L = 50.00'$ PT STA. = 159+24.74
 $T = 25.01'$



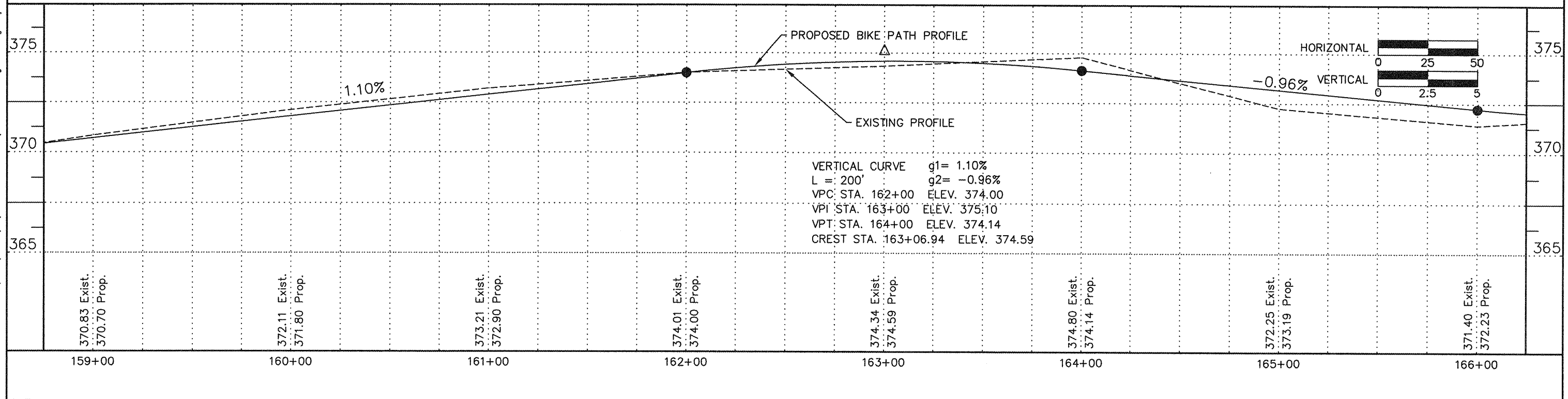
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	31
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383



HORIZONTAL CURVE DATA
 $\Delta = 2'51'45''$ PC STA. = 159+74.85
 $R = 1000.80'$ PI STA. = 159+99.86
 $L = 50.00'$ PT STA. = 160+24.85
 $T = 25.01'$

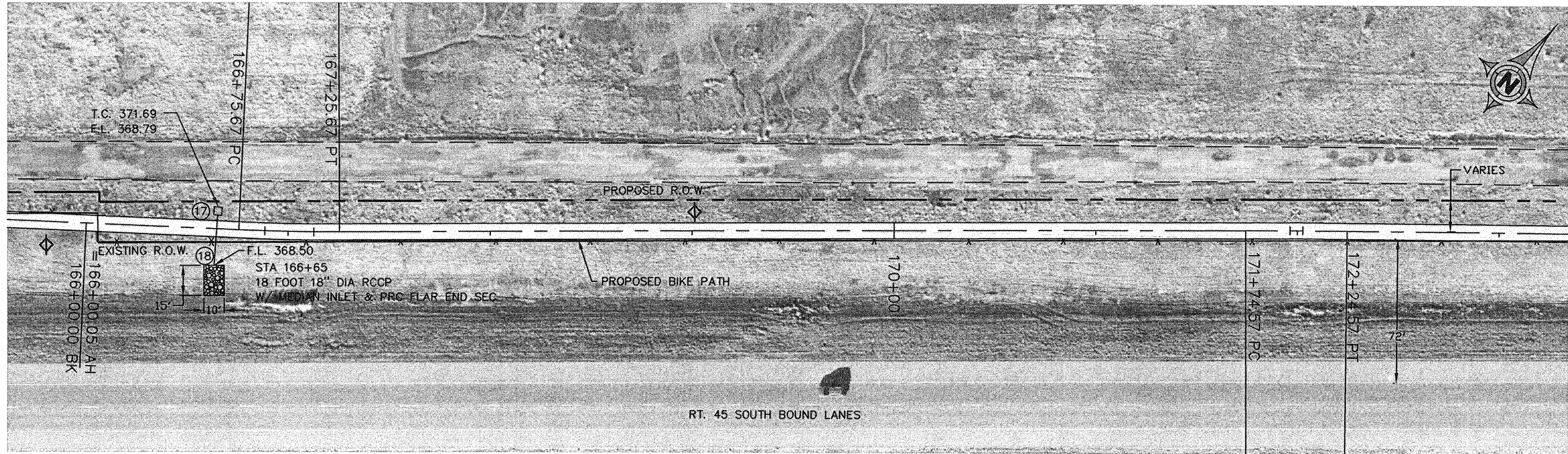
HORIZONTAL CURVE DATA
 $\Delta = 2'47'31''$ PC STA. = 164+74.84
 $R = 1026.09'$ PI STA. = 164+99.84
 $L = 50.00'$ PT STA. = 165+24.84
 $T = 25.00'$



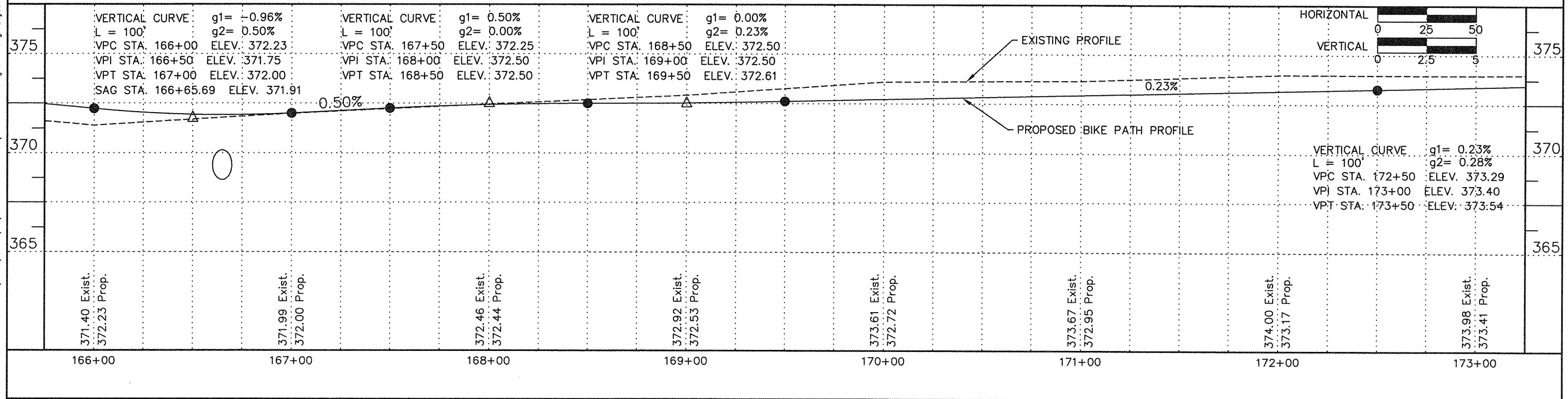
HORIZONTAL CURVE DATA
 $\Delta = -2^{\circ}47'30''$ PC STA. = 166+75.67
 $R = 1026.09'$ PI STA. = 167+00.67
 $L = 50.00'$ PT STA. = 167+25.67
 $T = 25.00'$

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	32
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383



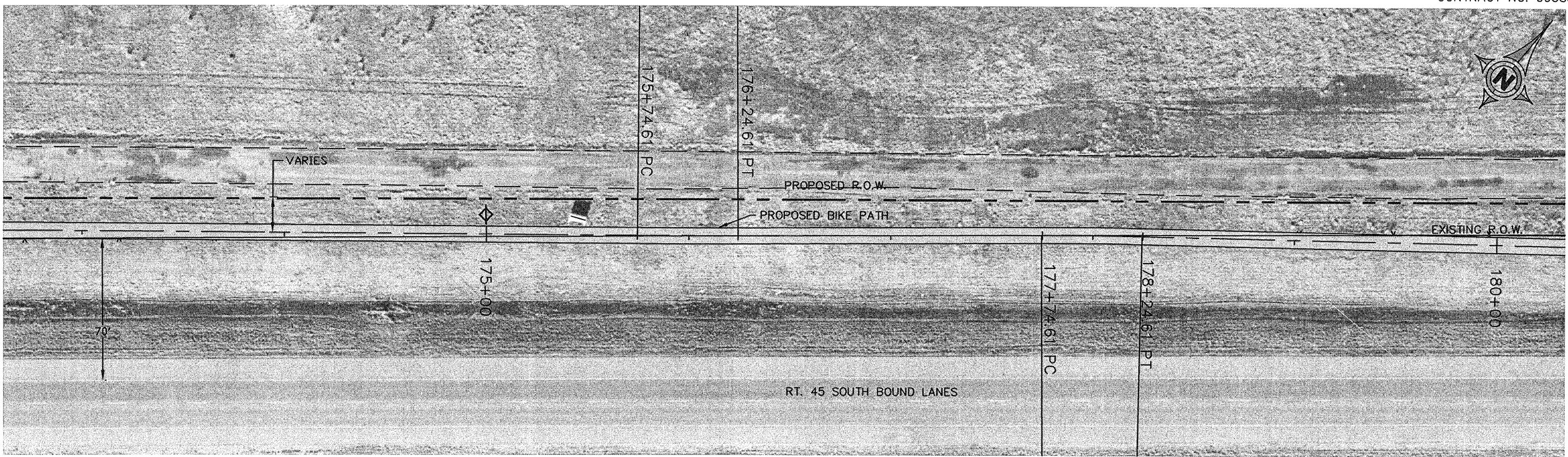
HORIZONTAL CURVE DATA
 $\Delta = 0^{\circ}42'58''$ PC STA. = 171+74.57
 $R = 4000.48'$ PI STA. = 171+99.57
 $L = 50.00'$ PT STA. = 172+24.57
 $T = 25.00'$



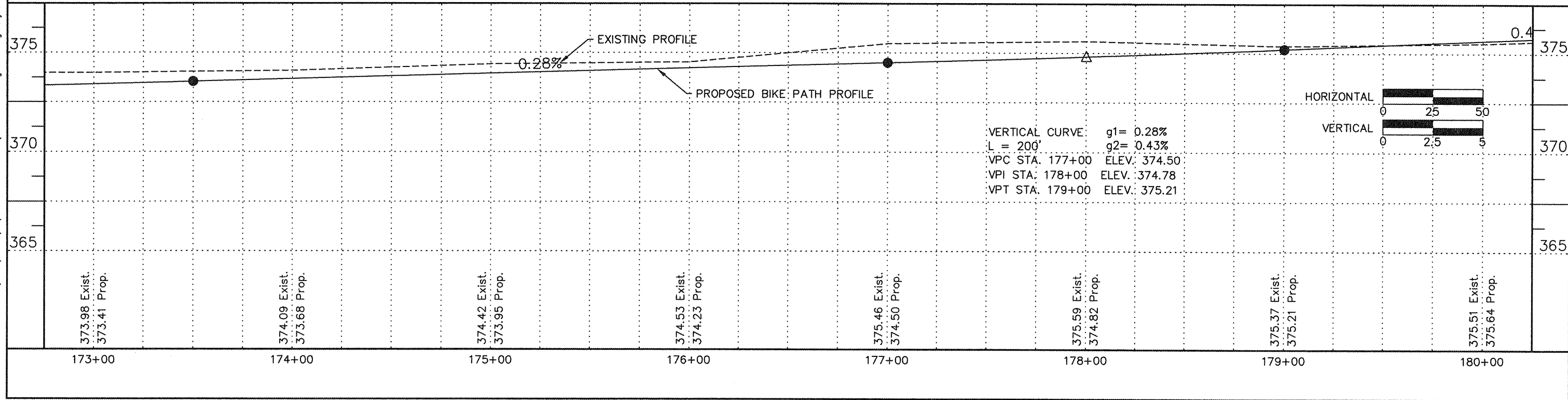
HORIZONTAL CURVE DATA
 $\Delta = -0^{\circ}42'58''$ PC STA. = 175+74.61
 $R = 4000.48'$ PI STA. = 175+99.61
 $L = 50.00'$ PT STA. = 176+24.61
 $T = 25.00'$

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	33
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383



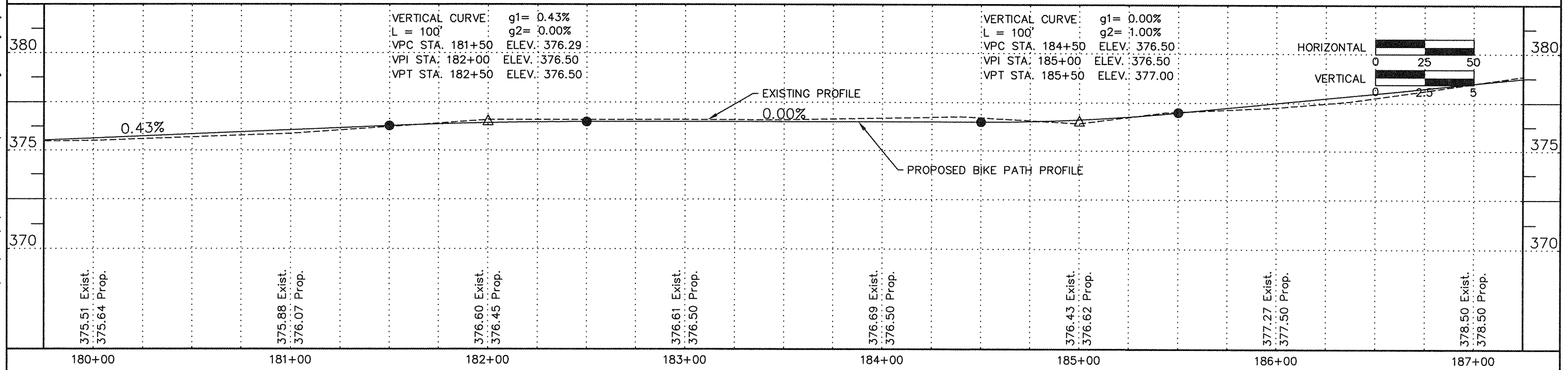
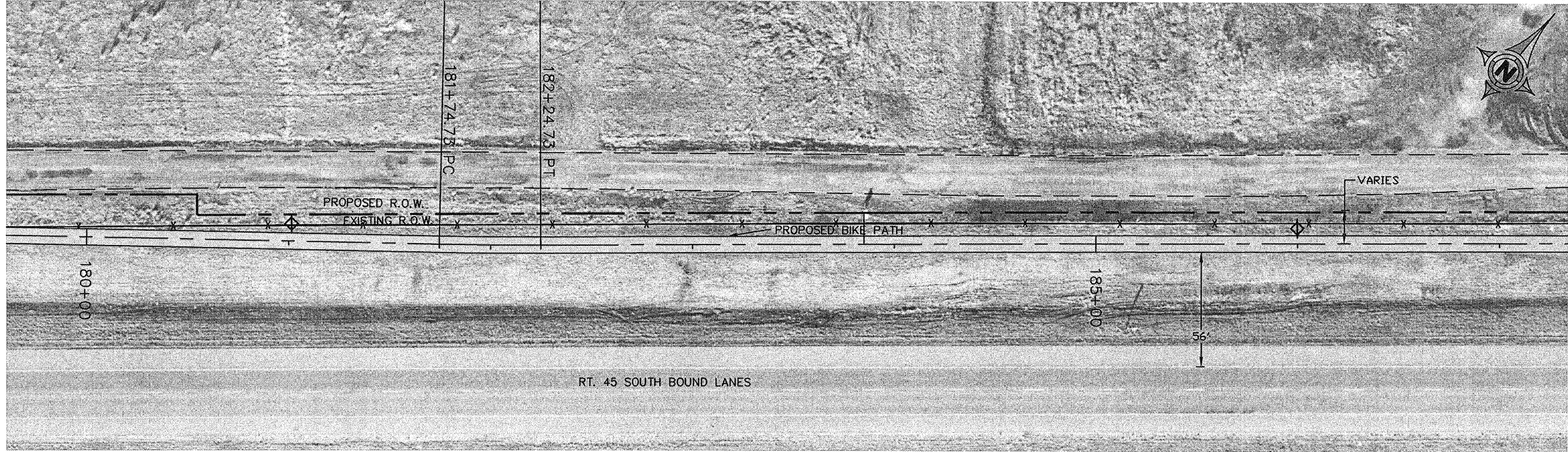
HORIZONTAL CURVE DATA
 $\Delta = 1^{\circ}25'56''$ PC STA. = 177+74.61
 $R = 2000.24'$ PI STA. = 177+99.61
 $L = 50.00'$ PT STA. = 178+24.61
 $T = 25.00'$



HORIZONTAL CURVE DATA
 $\Delta = -1'25'56''$ PC STA. = 181+74.73
 $R = 2000.24'$ PI STA. = 181+99.73
 $L = 50.00'$ PT STA. = 182+24.73
 $T = 25.00'$

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	34
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383

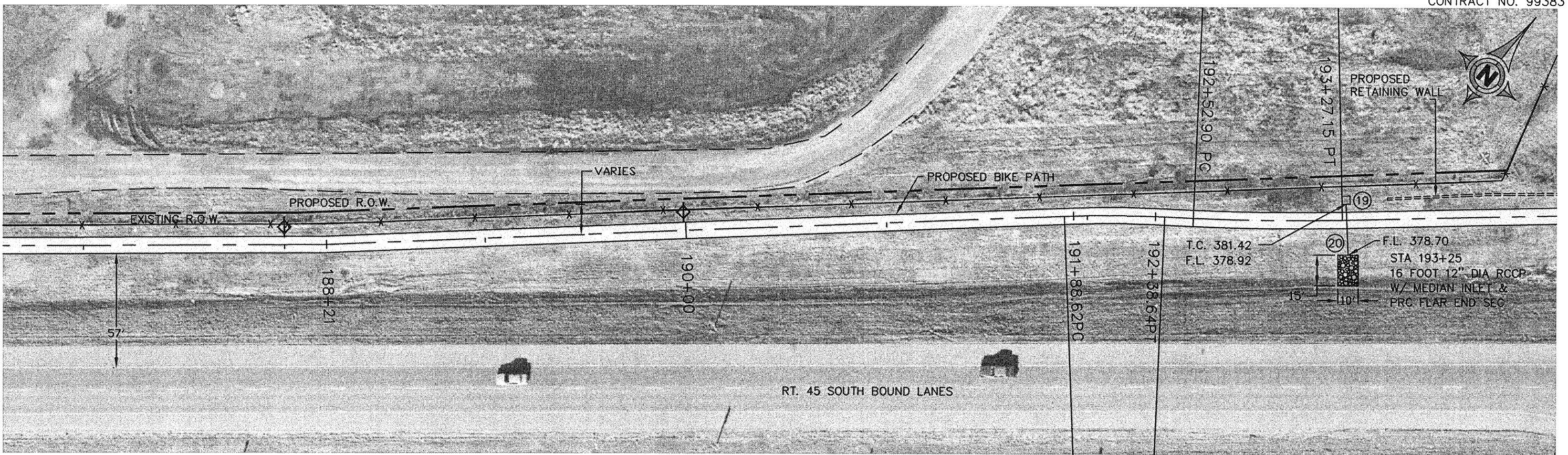


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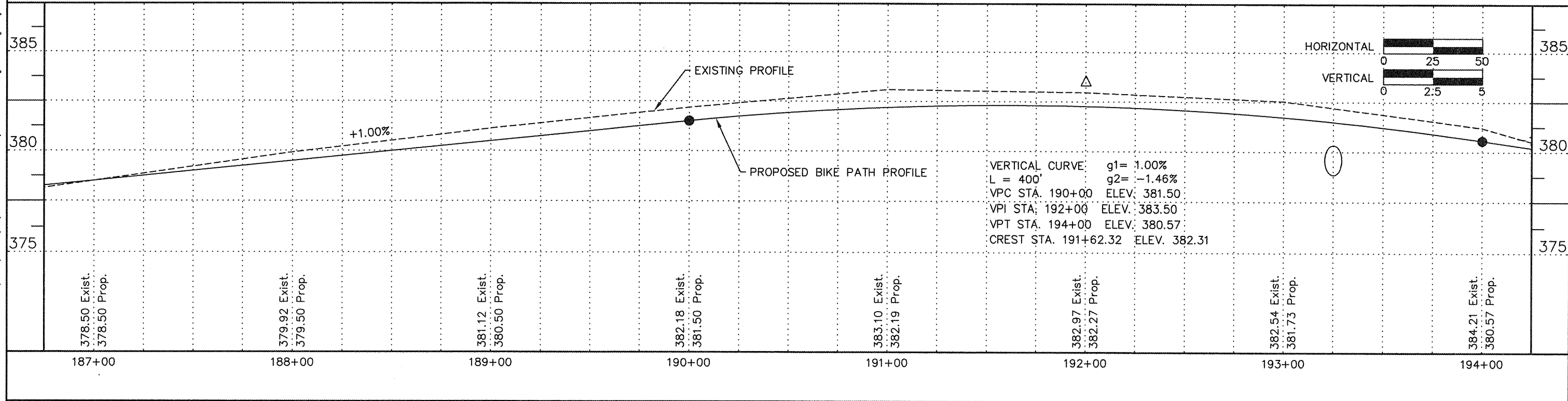
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	35
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

HORIZONTAL CURVE DATA
 $\Delta = 3^{\circ}46'09''$ PC STA. = 192+52.90
 $R = 1128.61'$ PI STA. = 192+89.93
 $L = 74.25'$ PT STA. = 192+27.15
 $T = 37.13'$

CONTRACT NO. 99383



HORIZONTAL CURVE DATA
 $\Delta = 4^{\circ}40'33''$ PC STA. = 191+88.62
 $R = 612.68'$ PI STA. = 192+13.63
 $L = 50.00'$ PT STA. = 192+38.64
 $T = 25.01'$

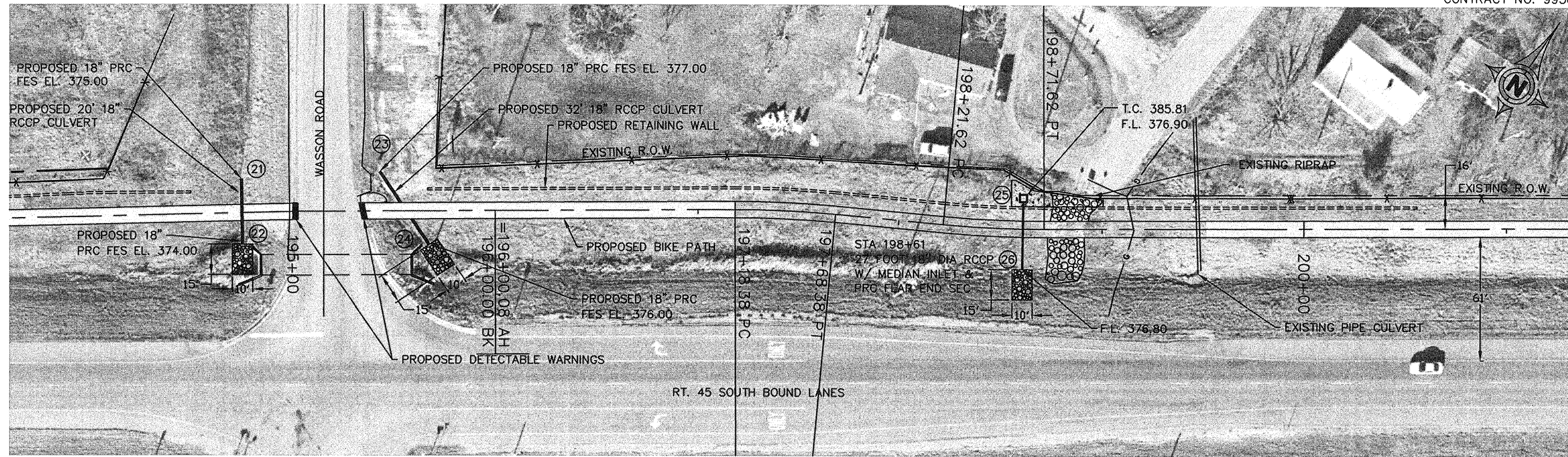


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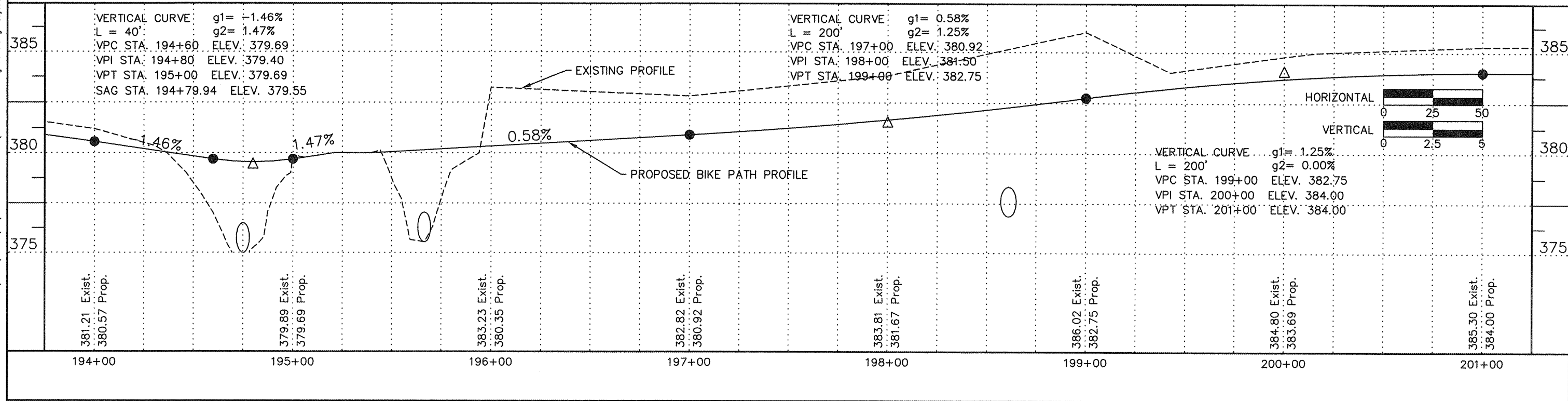
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	36
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

HORIZONTAL CURVE DATA
 $\Delta = -5^{\circ}33'23''$ PC STA. = 198+21.62
 $R = 515.58'$ PI STA. = 198+46.64
 $L = 50.00'$ PT STA. = 198+71.62
 $T = 25.02'$

CONTRACT NO. 99383



HORIZONTAL CURVE DATA
 $\Delta = 5^{\circ}33'23''$ PC STA. = 197+18.38
 $R = 515.58'$ PI STA. = 197+43.40
 $L = 50.00'$ PT STA. = 197+68.38
 $T = 25.02'$

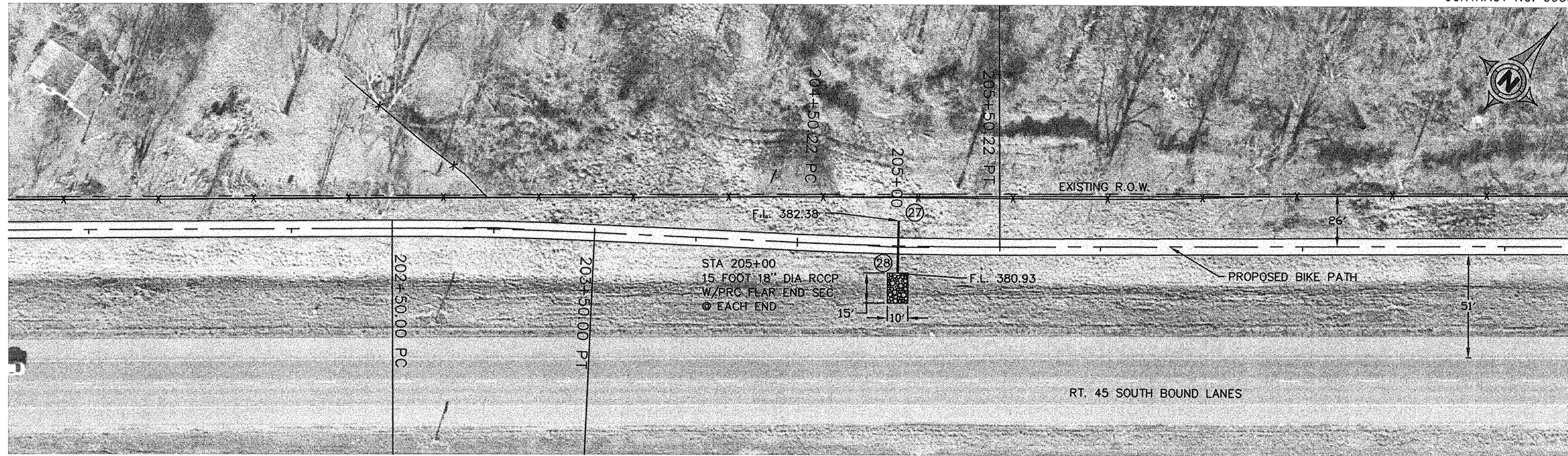


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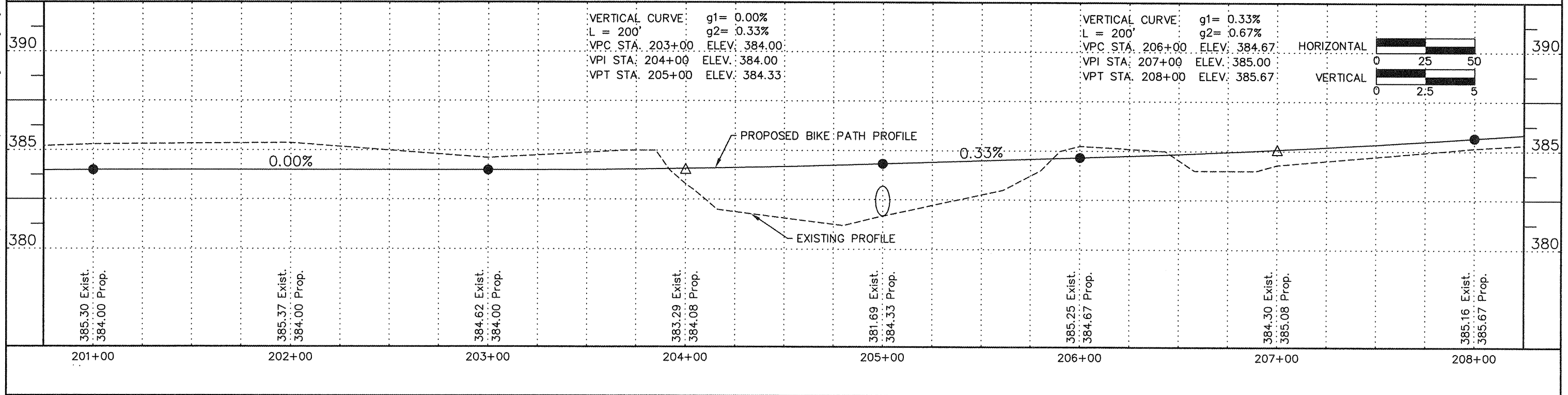
HORIZONTAL CURVE DATA
 $\Delta = 2^{\circ}51'44''$ PC STA. = 204+50.22
 $R = 2001.60'$ PI STA. = 205+00.23
 $L = 100.00'$ PT STA. = 205+50.22
 $T = 50.01'$

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	37
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383



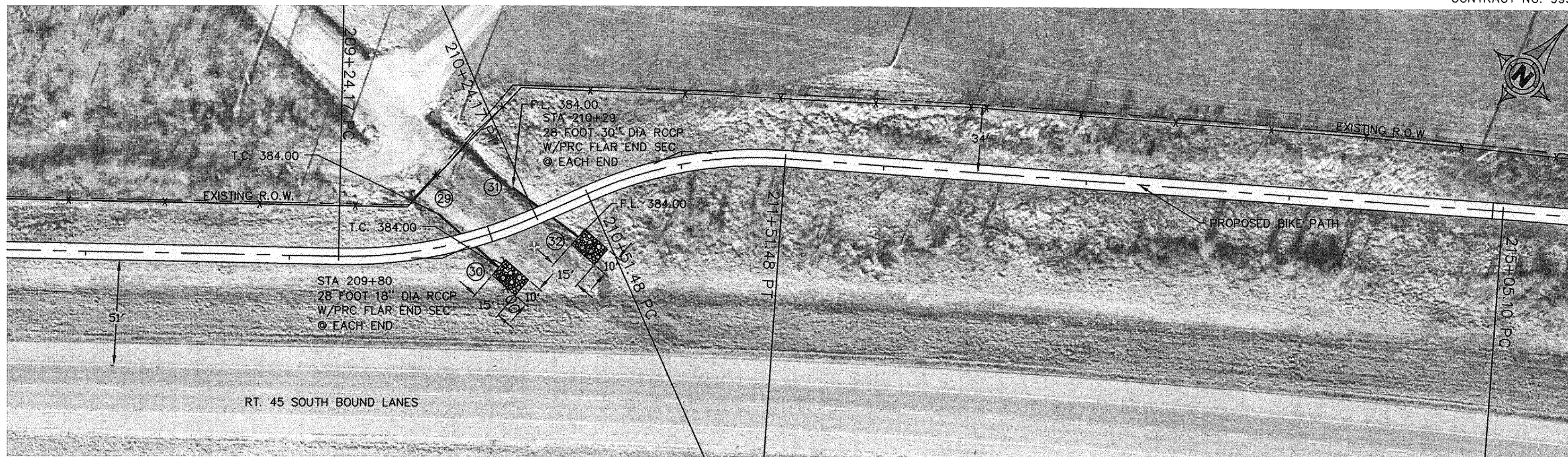
HORIZONTAL CURVE DATA
 $\Delta = 2^{\circ}51'44''$ PC STA. = 202+50.00
 $R = 2001.60'$ PI STA. = 203+00.00
 $L = 100.00'$ PT STA. = 203+50.00
 $T = 50.00'$



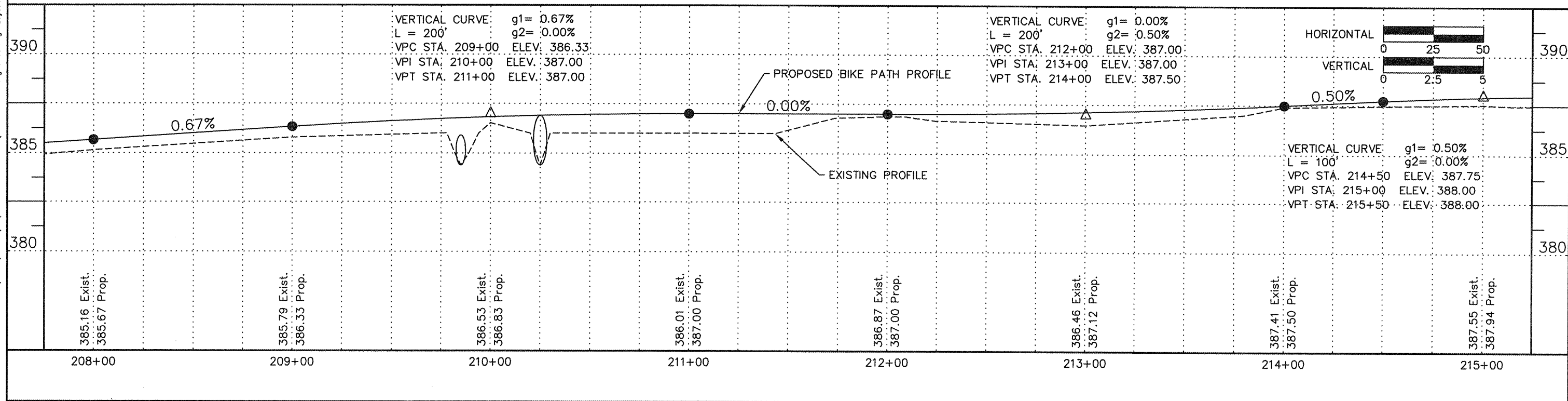
HORIZONTAL CURVE DATA
 $\Delta = 25^{\circ}20'44''$ PC STA. = 209+24.17
 $R = 226.06'$ PI STA. = 209+75.00
 $L = 100.00'$ PT STA. = 210+24.17
 $T = 50.83'$

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	38
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383

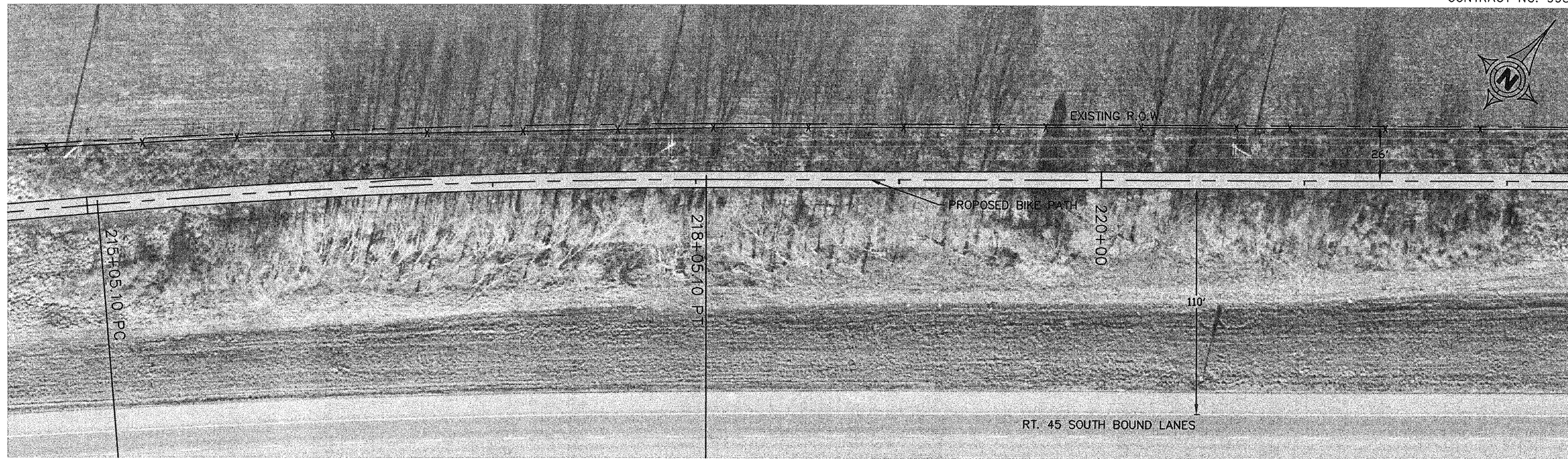


HORIZONTAL CURVE DATA
 $\Delta = 28^{\circ}10'08''$ PC STA. = 210+51.48
 $R = 203.40'$ PI STA. = 211+02.51
 $L = 100.00'$ PT STA. = 211+51.48
 $T = 51.03'$



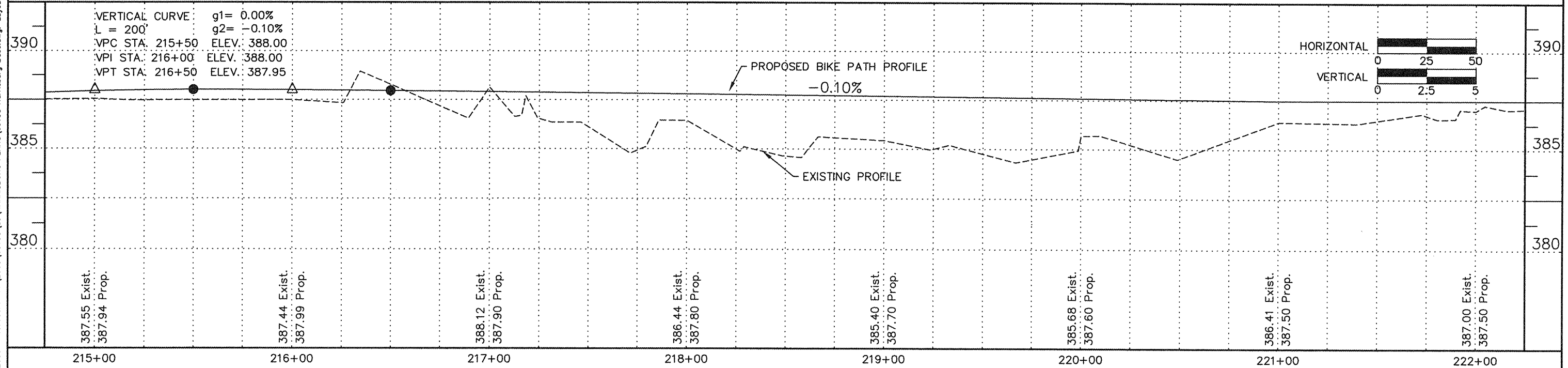
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	39
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383



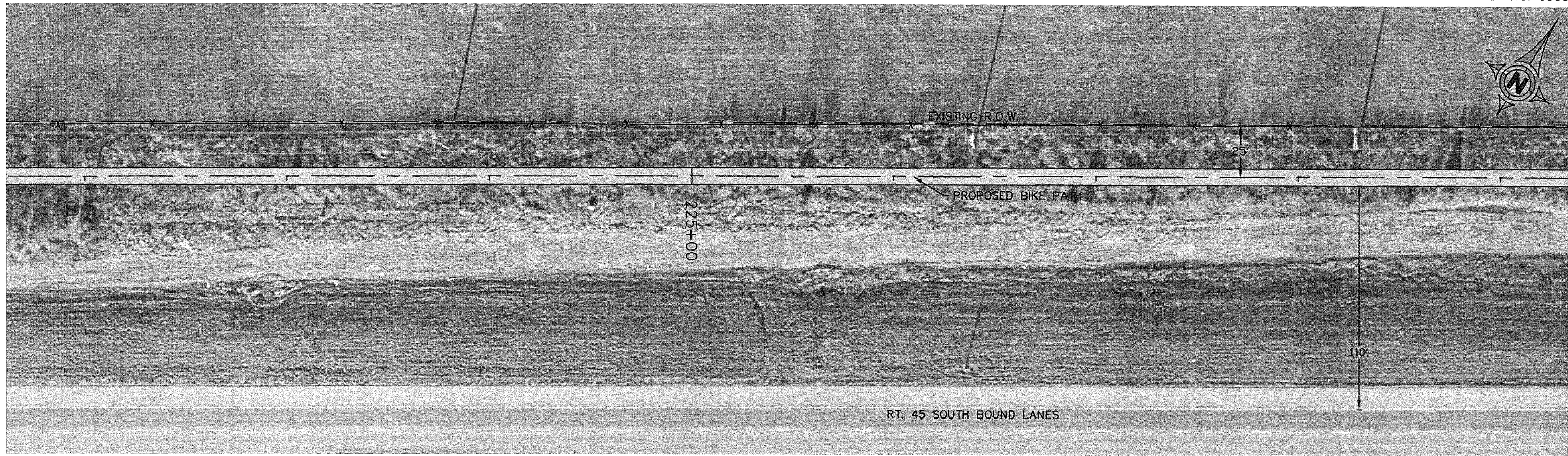
HORIZONTAL CURVE DATA

$\Delta = 4^{\circ}38'51''$ PC STA. = 215+05.10
 $R = 3698.49'$ PI STA. = 216+55.18
 $L = 300.00'$ PT STA. = 218+05.10
 $T = 150.08'$

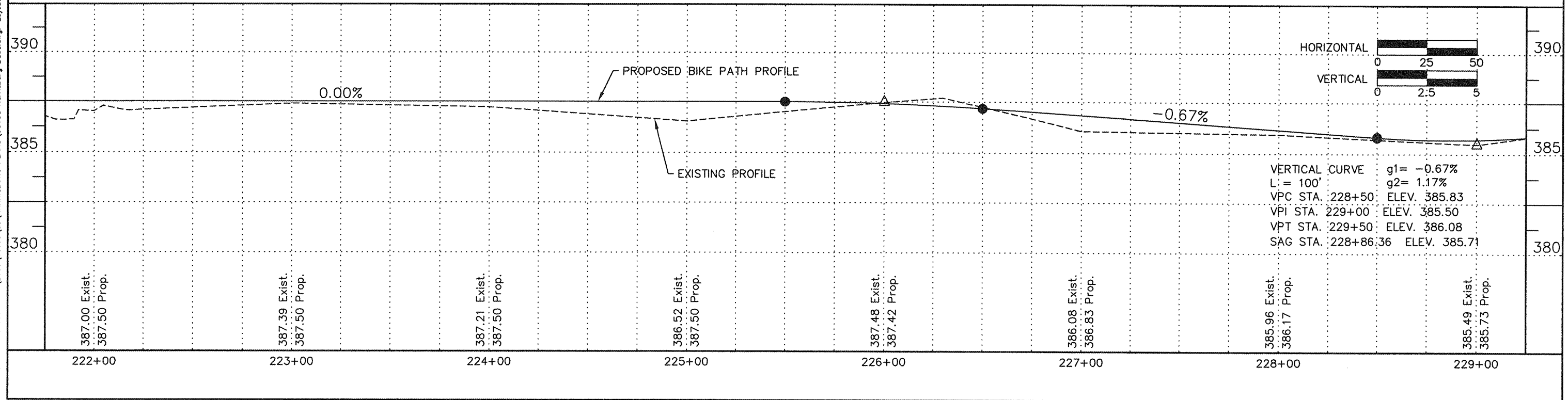


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	40
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383

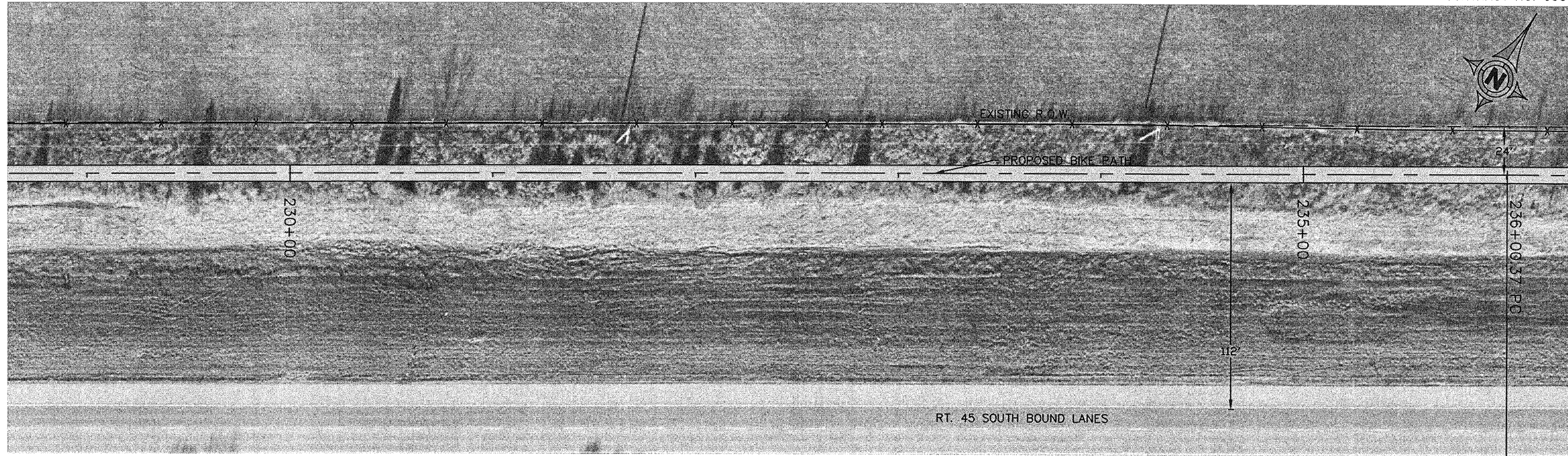


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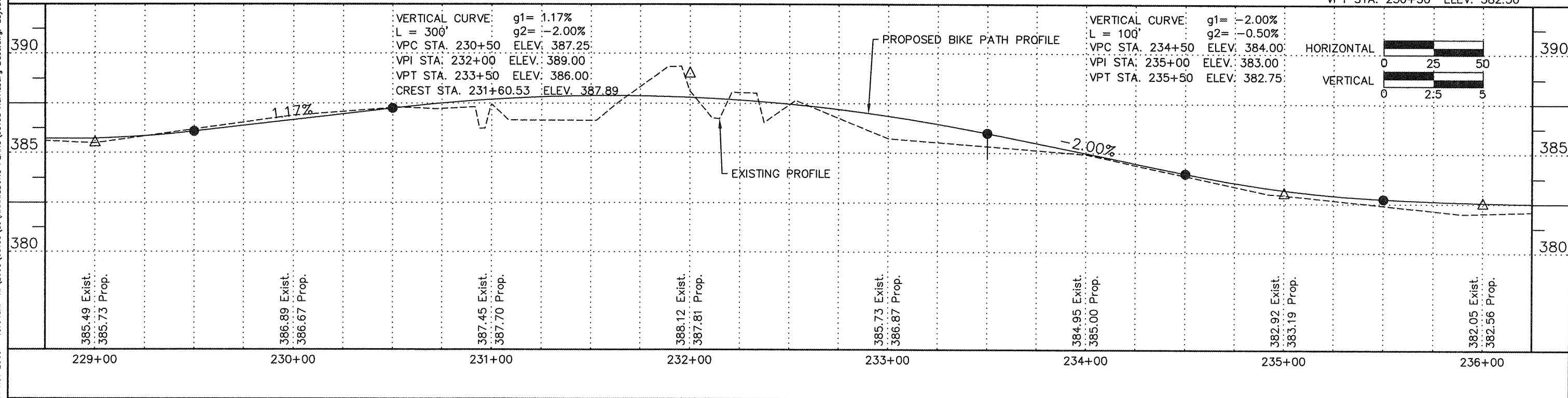


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	41
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383

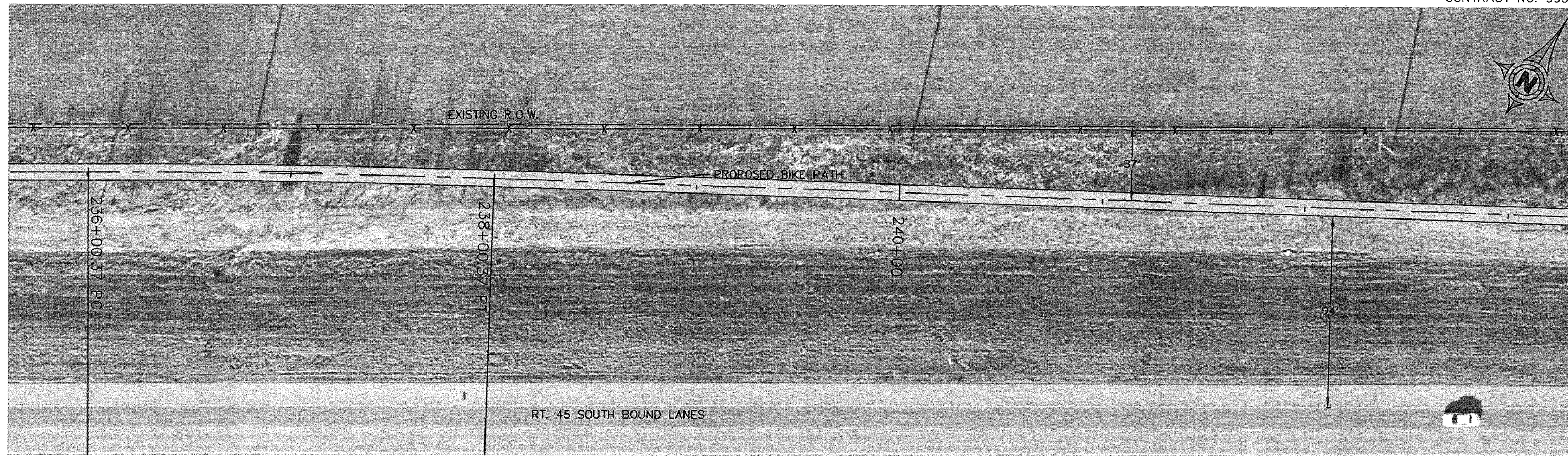


VERTICAL CURVE g1= -0.50%
L = 100' g2= 0.00%
VPC STA. 235+50 ELEV. 382.75
VPI STA. 236+00 ELEV. 382.50
VPT STA. 236+50 ELEV. 382.50

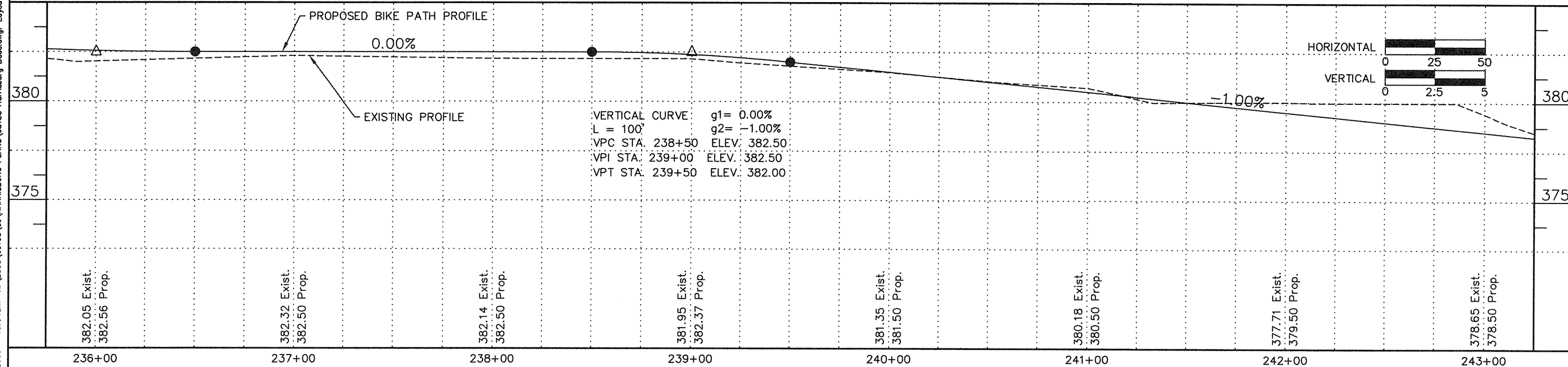


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	42
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383



HORIZONTAL CURVE DATA
 $\Delta = 1'56'54''$ PC STA. = 236+00.37
 $R = 5881.52'$ PI STA. = 237+00.38
 $L = 200.00'$ PT STA. = 238+00.37
 $T = 100.01'$

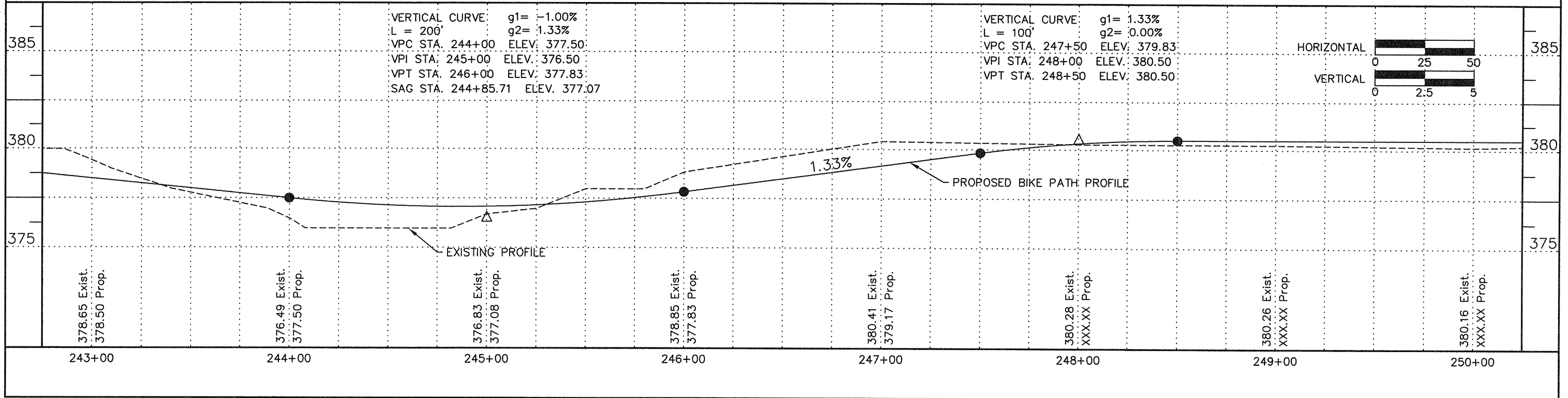
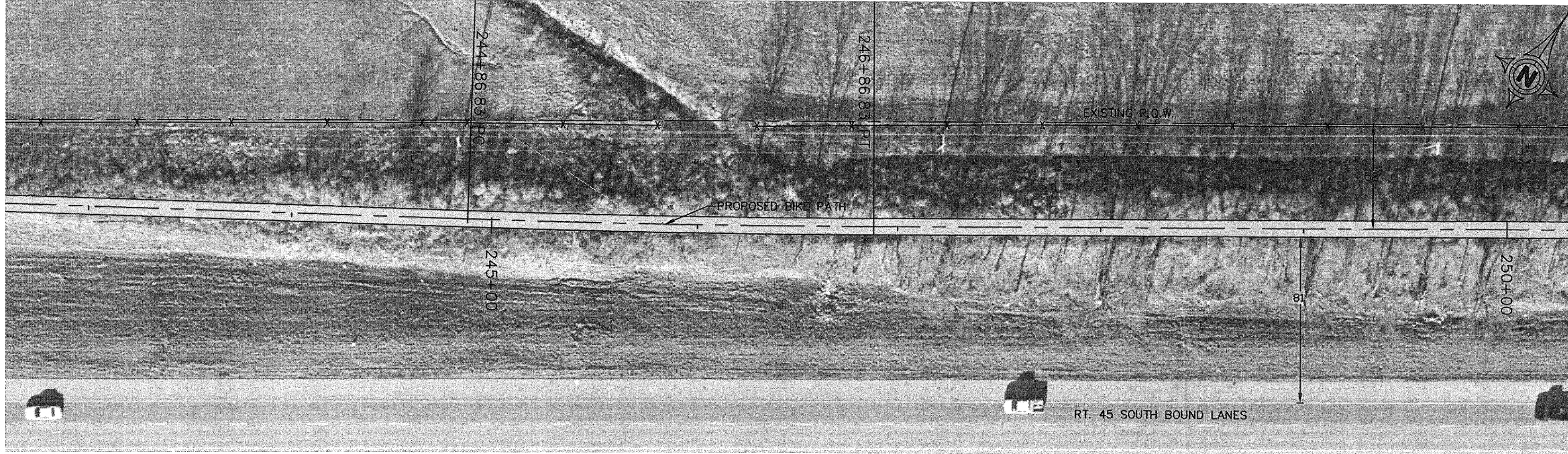


HORIZONTAL CURVE DATA

Δ = 1°51'28" PC STA. = 244+86.83
 R = 6168.21' PI STA. = 245+86.84
 L = 200.00' PT STA. = 246+86.83
 T = 100.01'

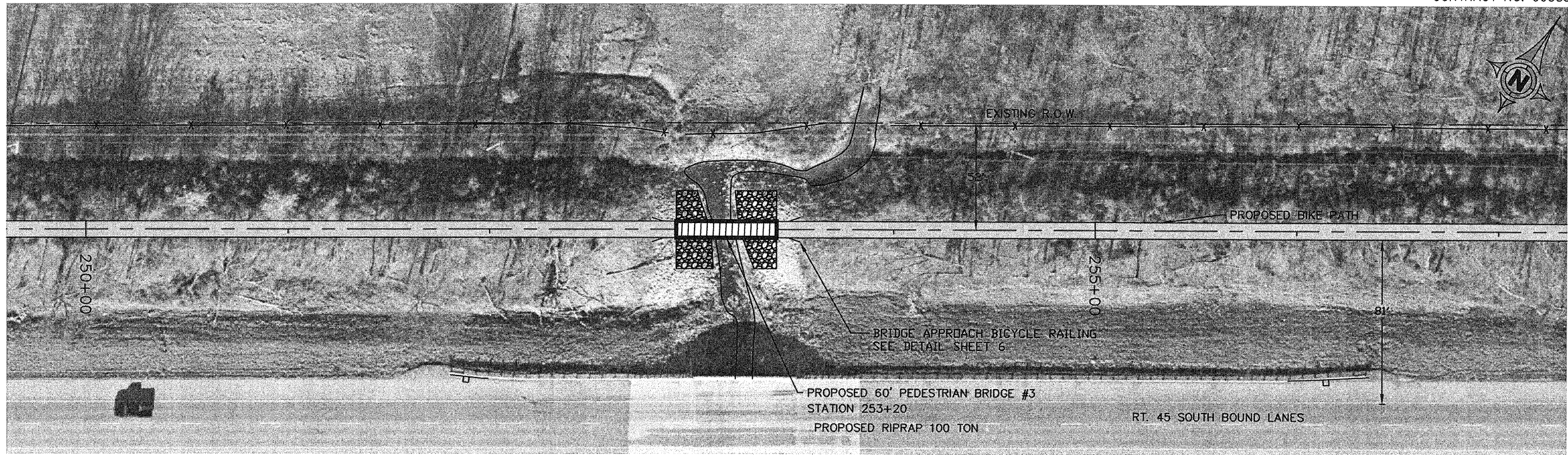
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	43
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383

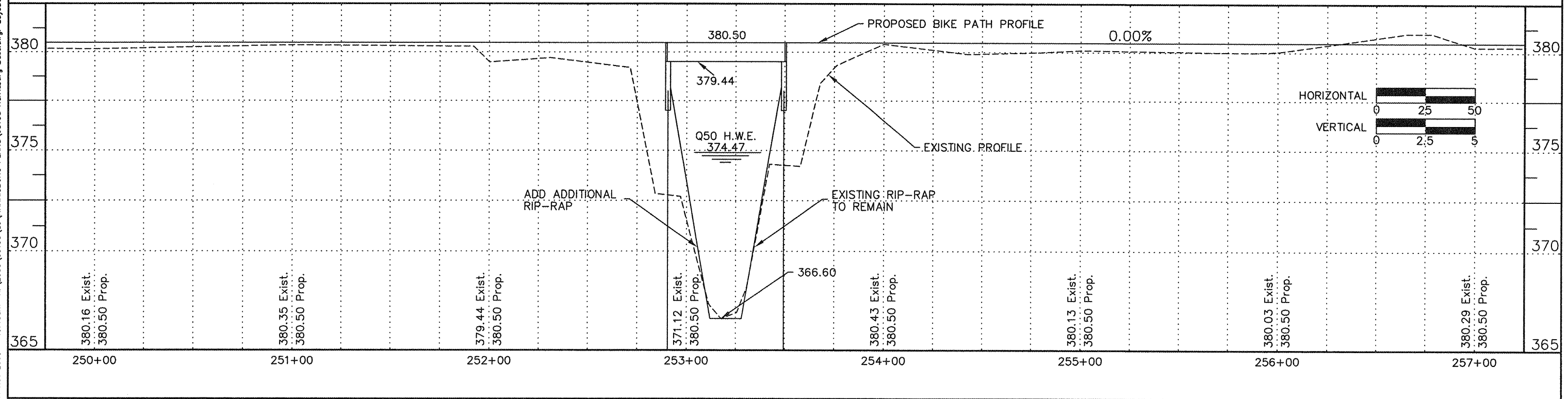


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	44
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383

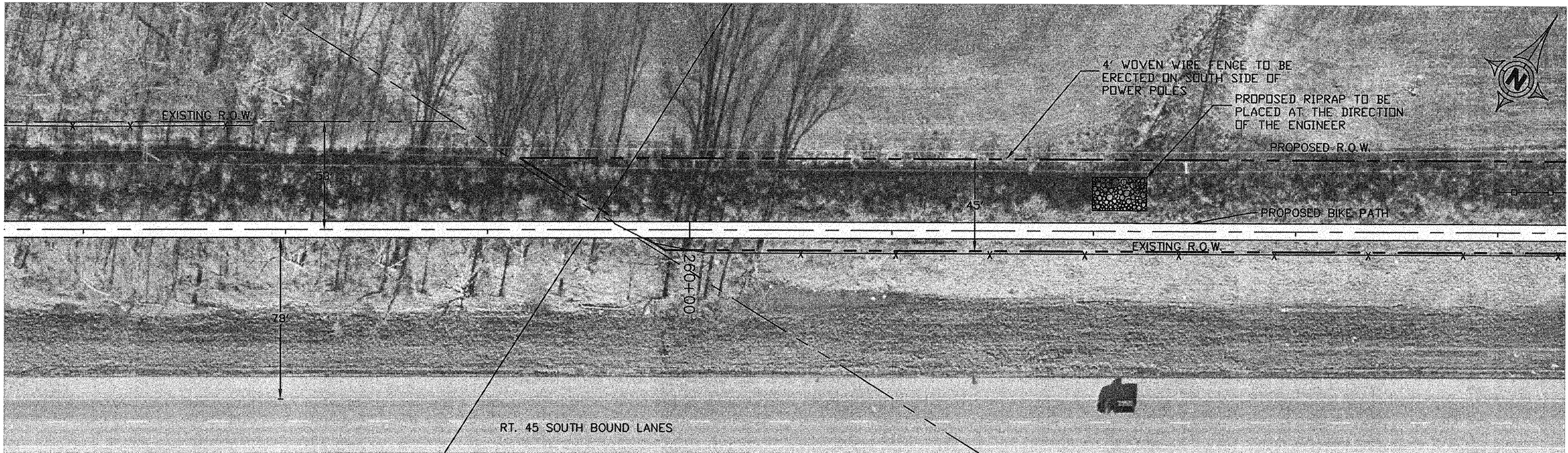


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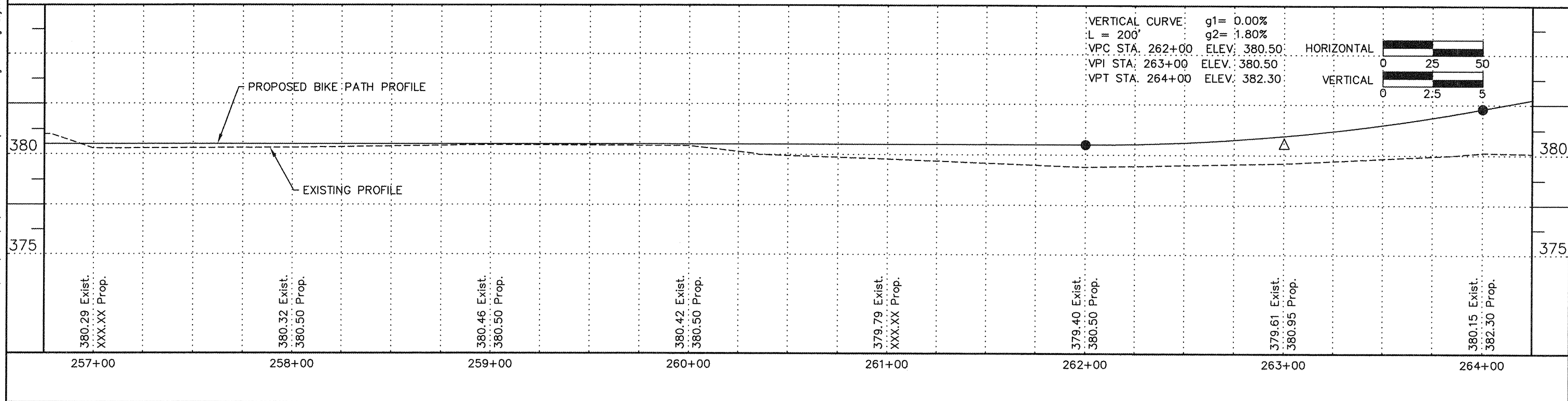


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	45
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383

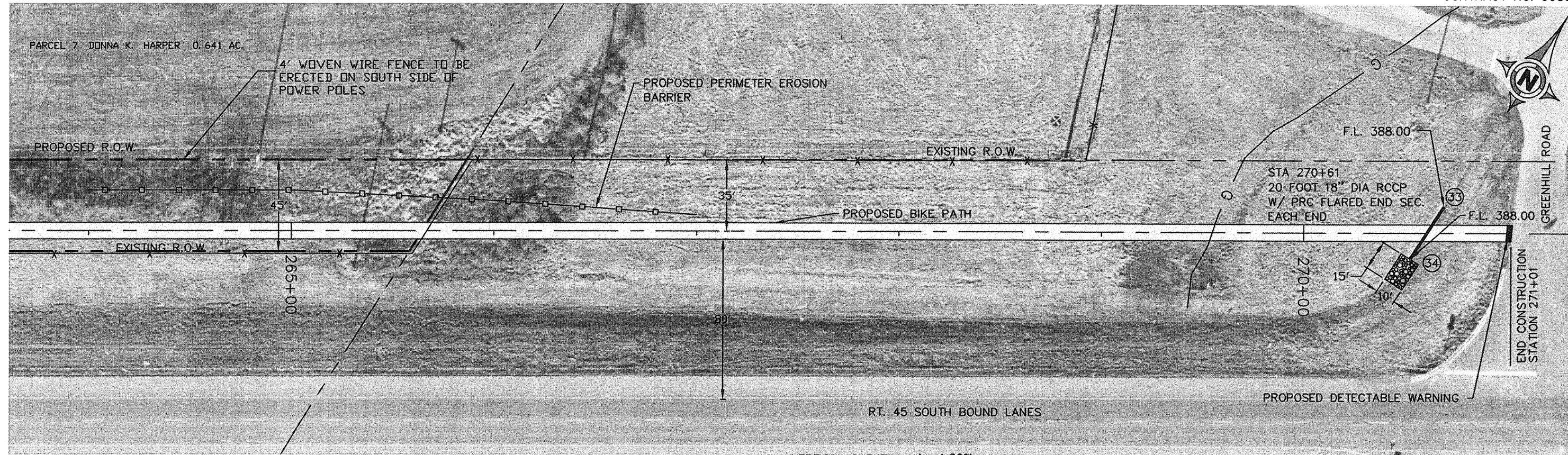


16 Nov 2009 - 10:26am X:\2005\05138\06\HARRISBURG PLANS\05138 Harrisburg Base.dwg: Layout Tab 'STA 257+00'



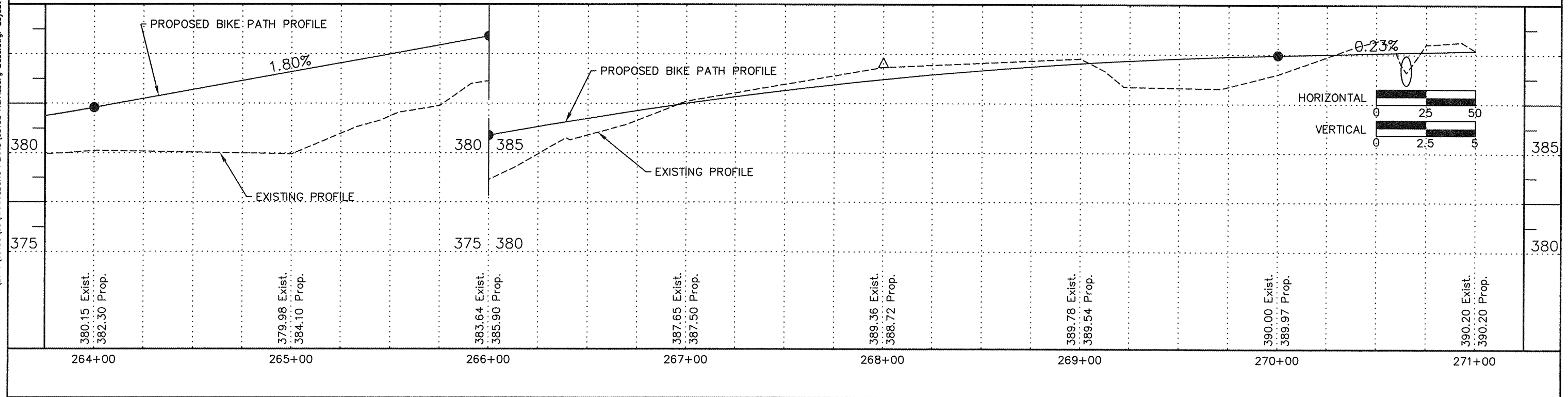
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	46
HARRISBURG - IDOT			BIKE/PEDESTRIAN PATH	

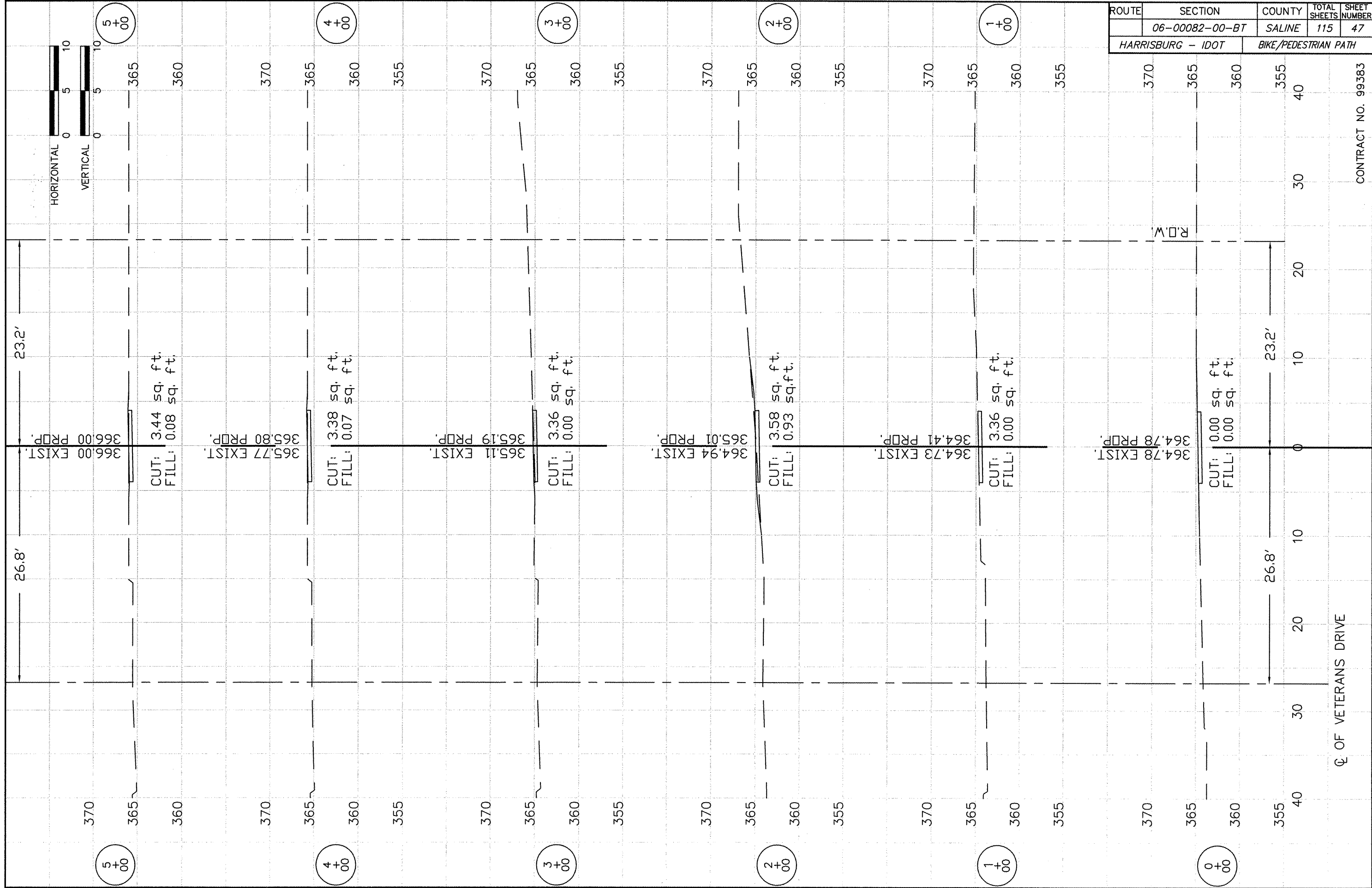
CONTRACT NO. 99383



VERTICAL CURVE g1= 1.80%
 L = 400'
 VPC STA. 266+00 ELEV. 385.90
 VPI STA. 268+00 ELEV. 389.50
 VPT STA. 270+00 ELEV. 389.97

23 Nov 2009 - 9:03am x:\2005\05138\cc\HARRISBURG PLANS\05138 Harrisburg Base.dwg: Layout Tab 'STA 264+00'



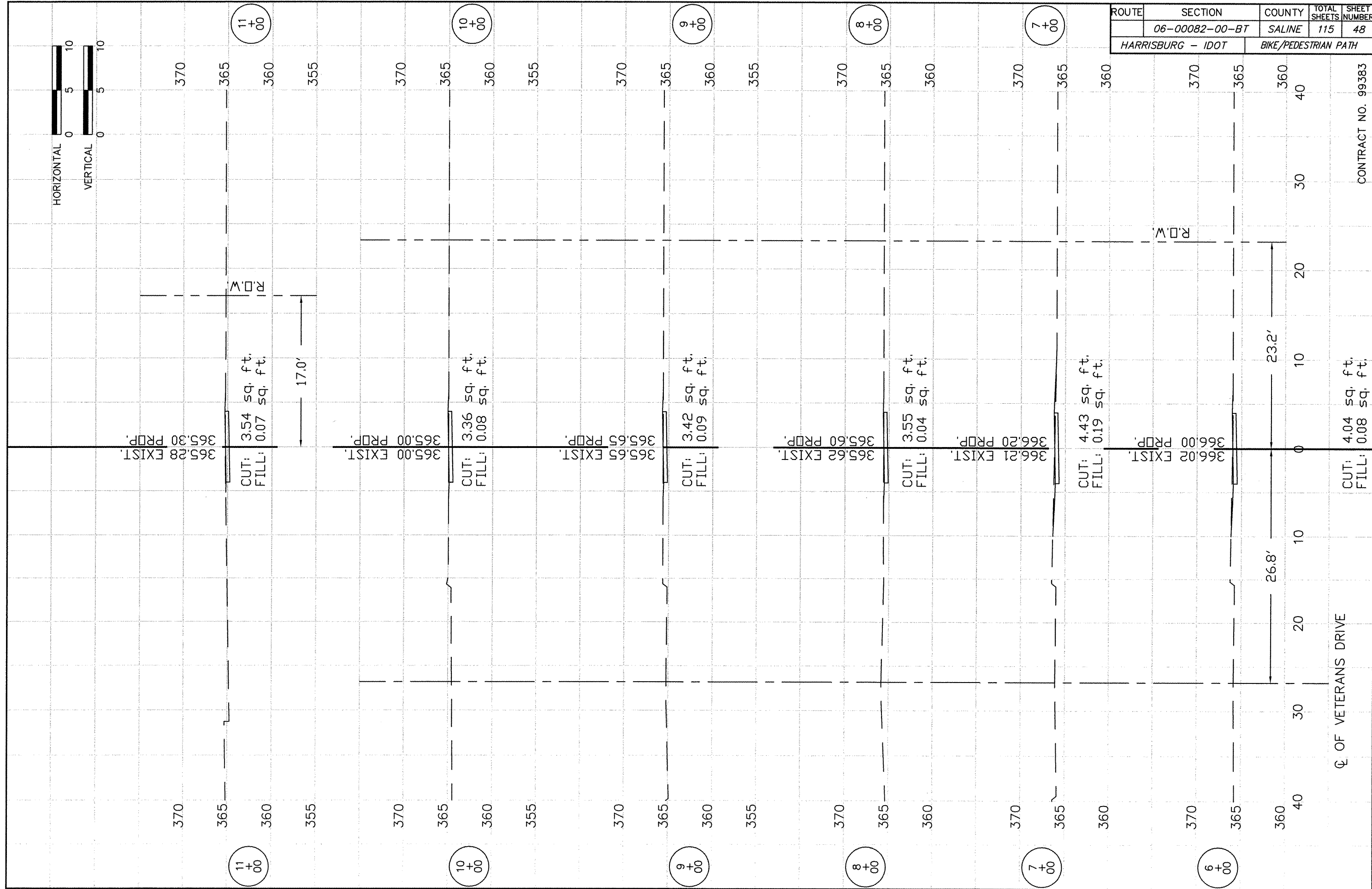


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	47
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383

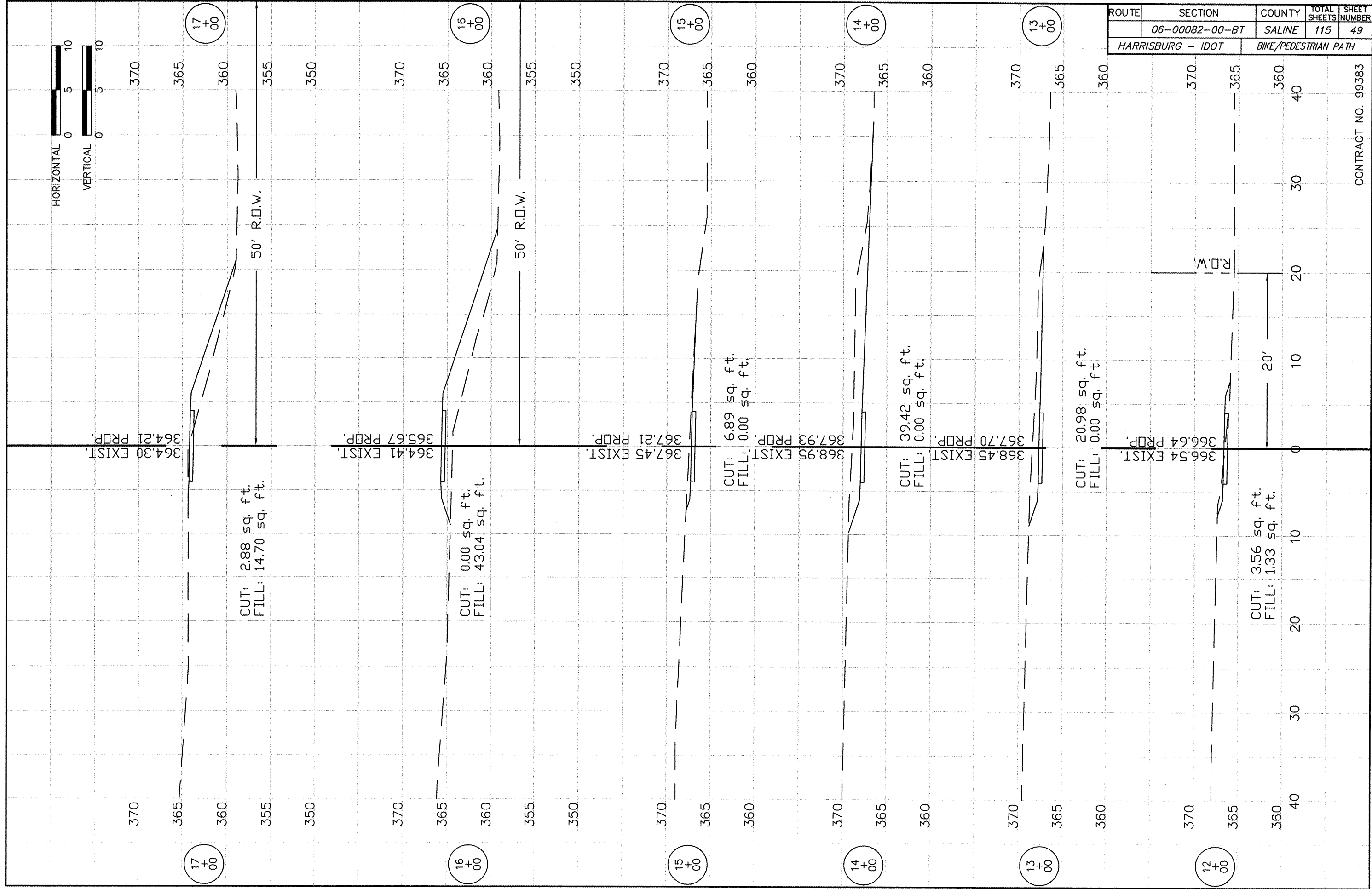
Q OF VETERANS DRIVE

R.O.W.



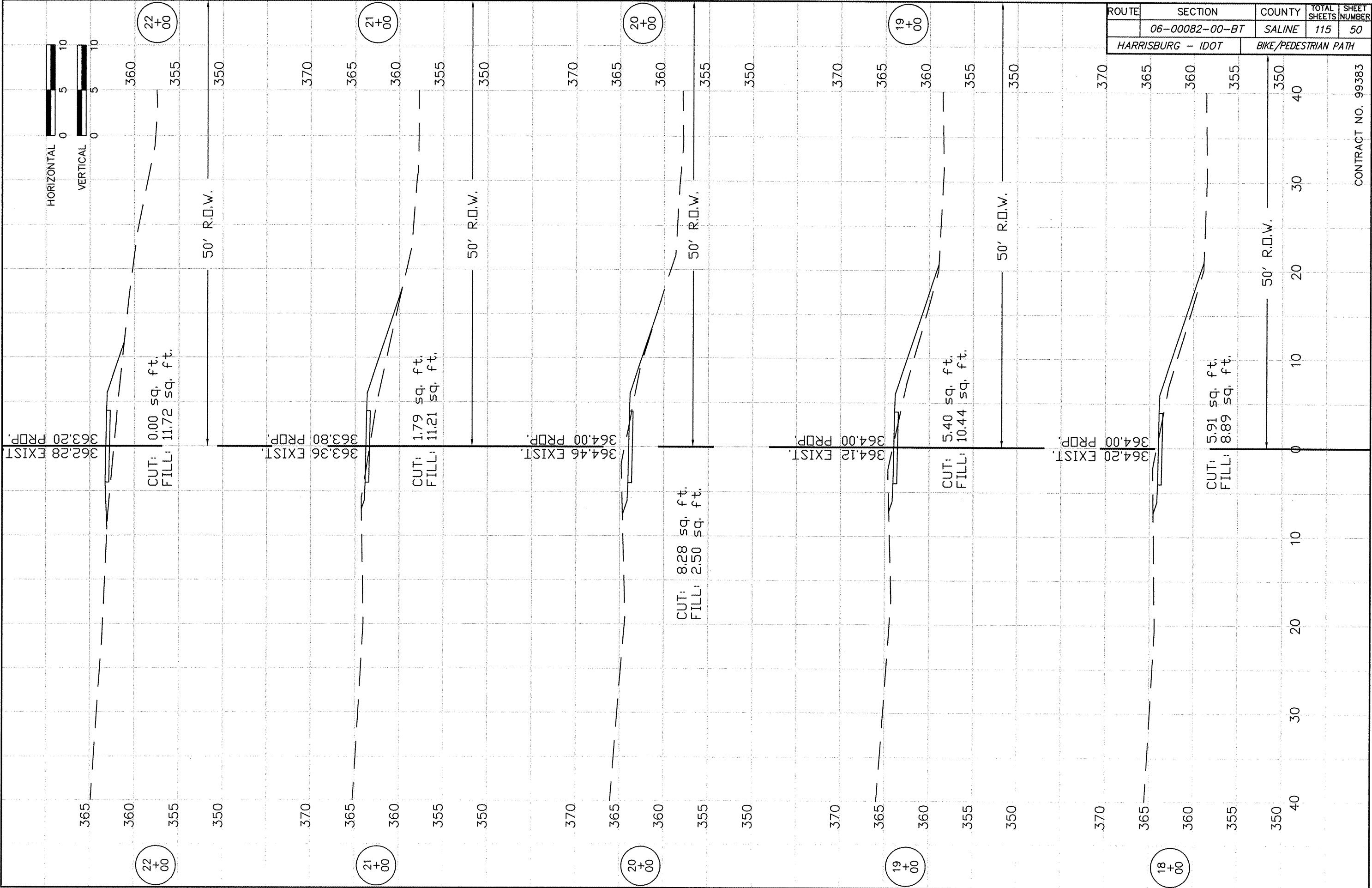
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	49
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

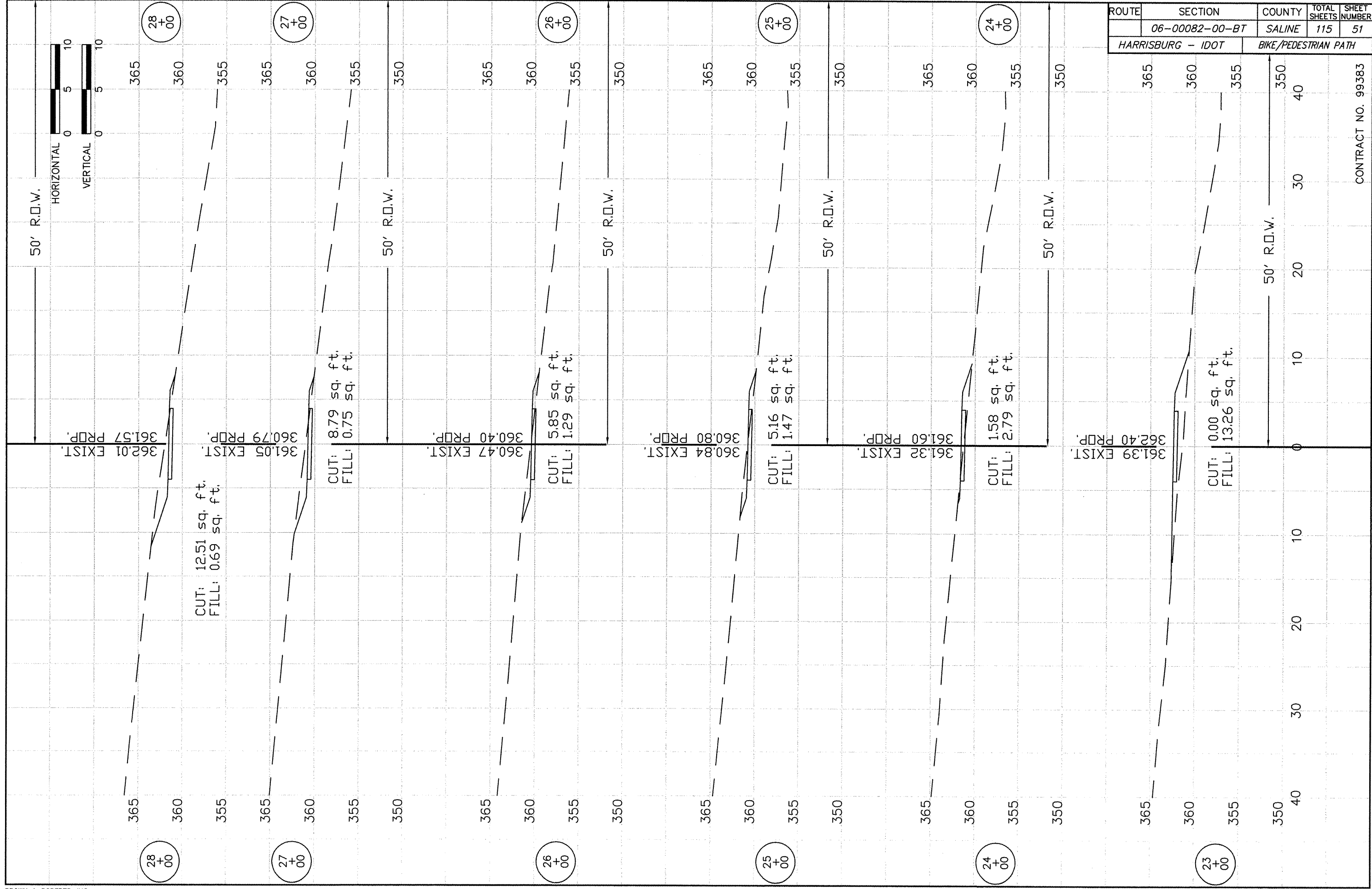
CONTRACT NO. 99383



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	50
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

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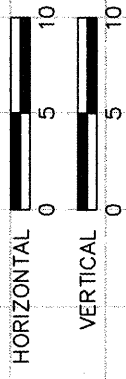
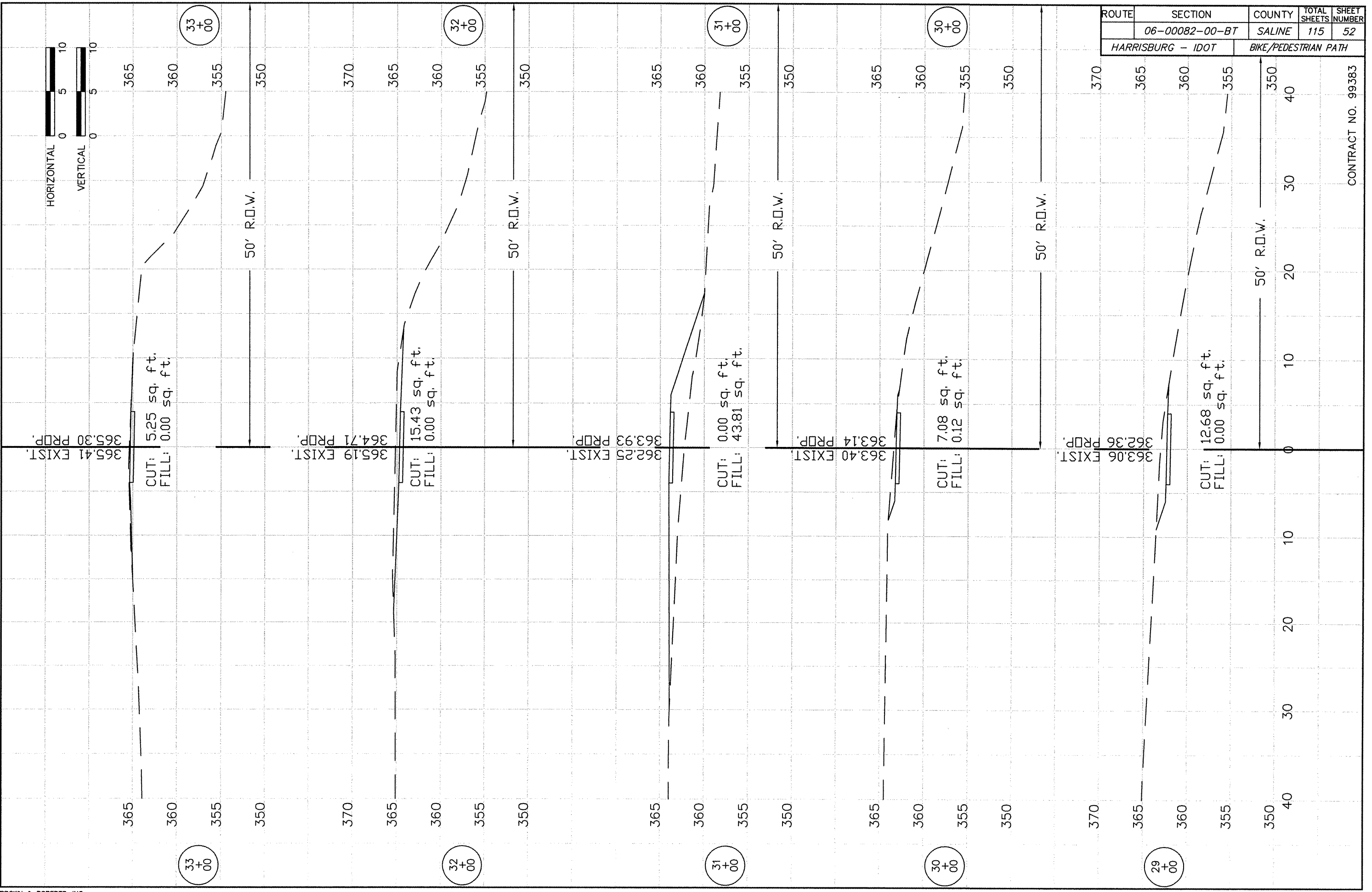


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	51
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

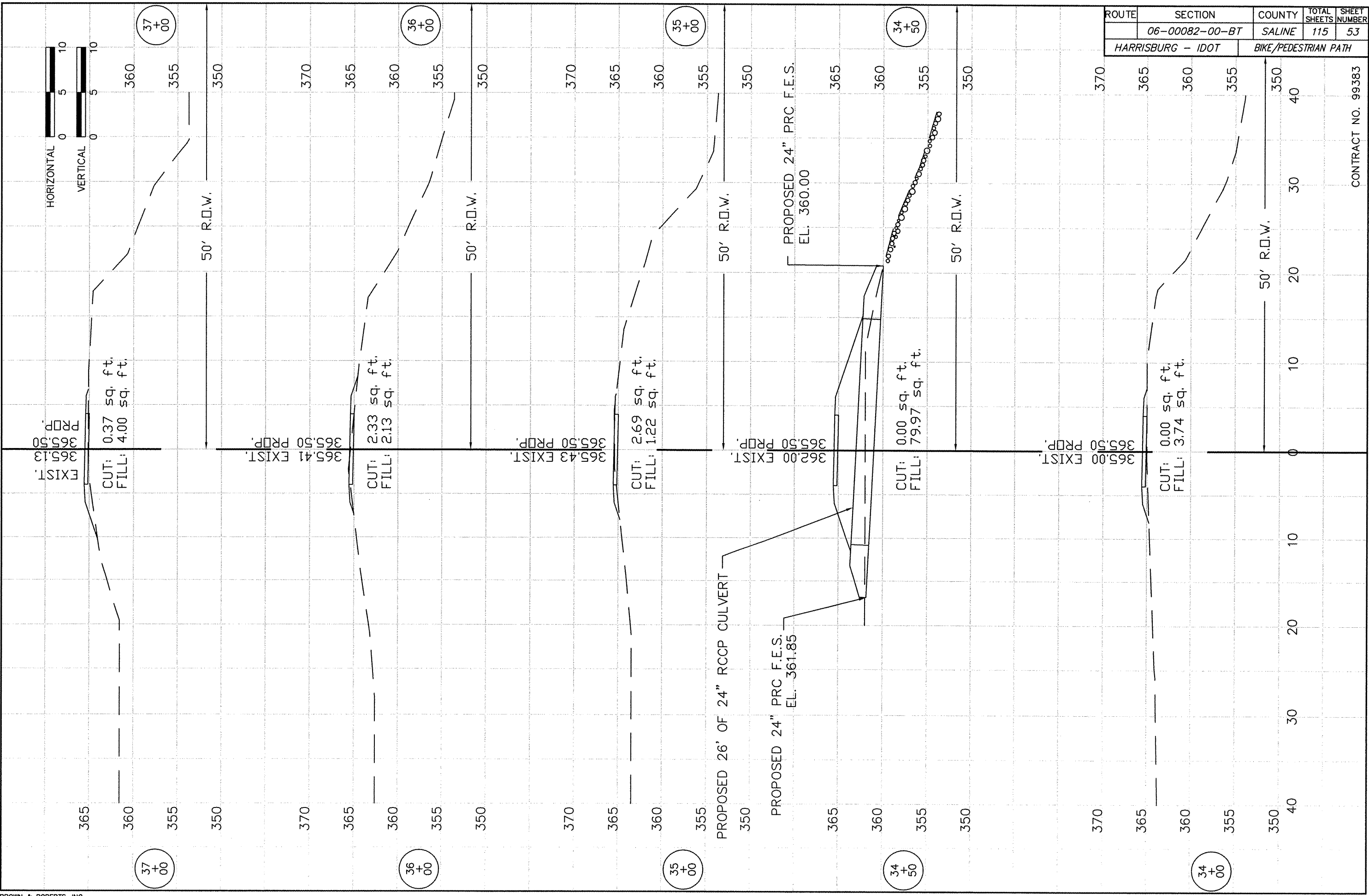
CONTRACT NO. 99383

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	52
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383



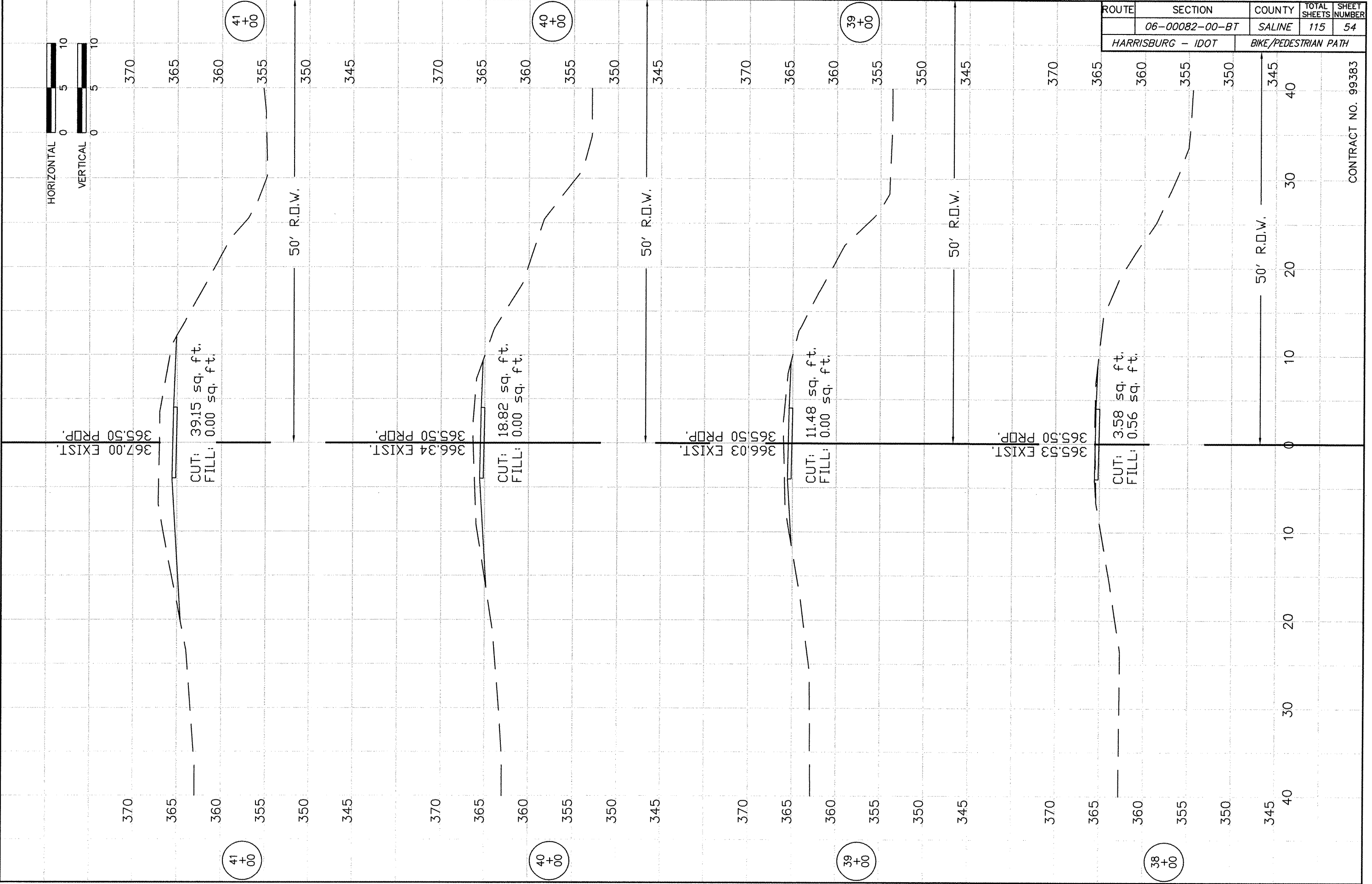
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	06-00082-00-BT	SALINE	115	53
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

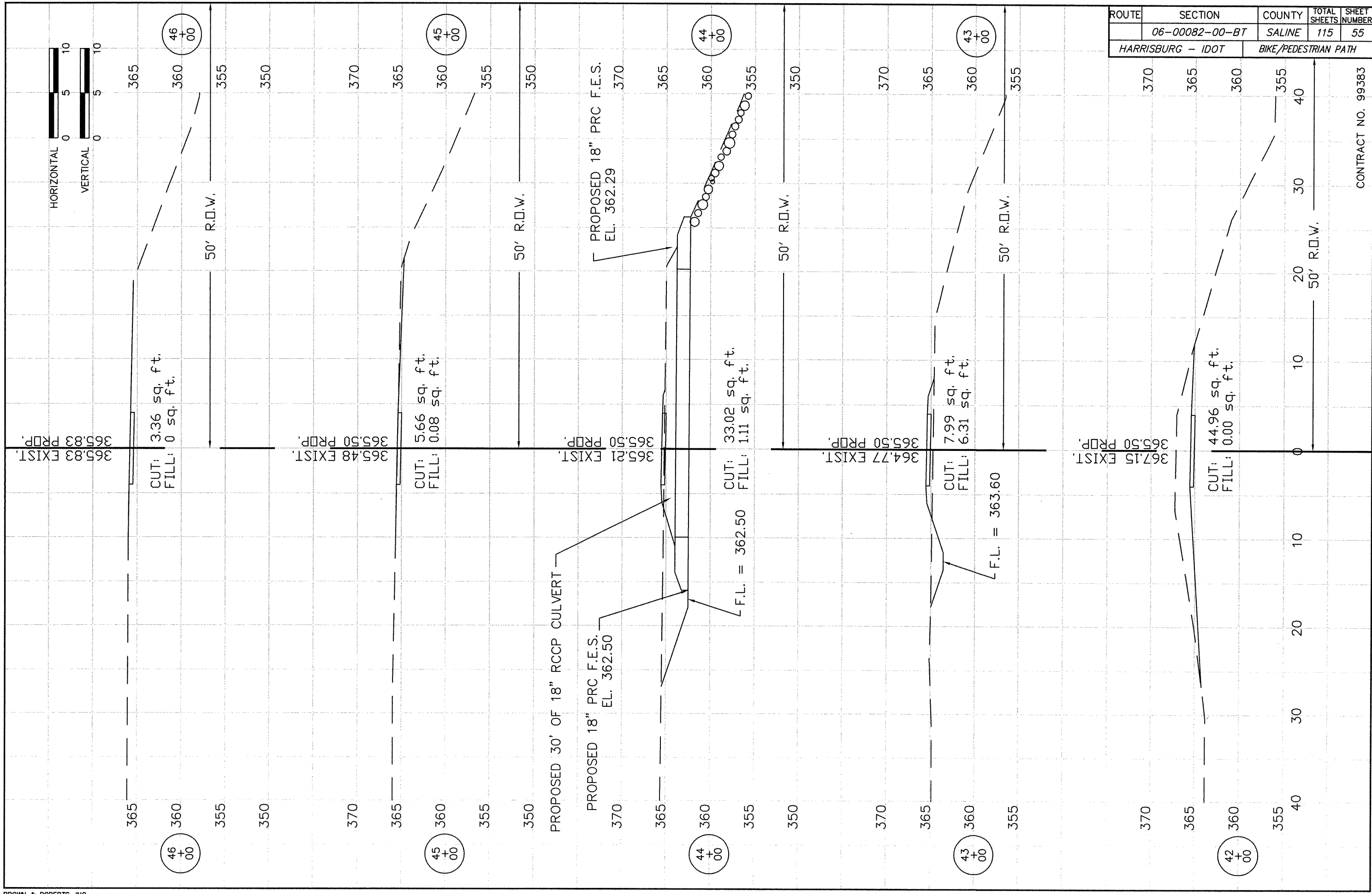


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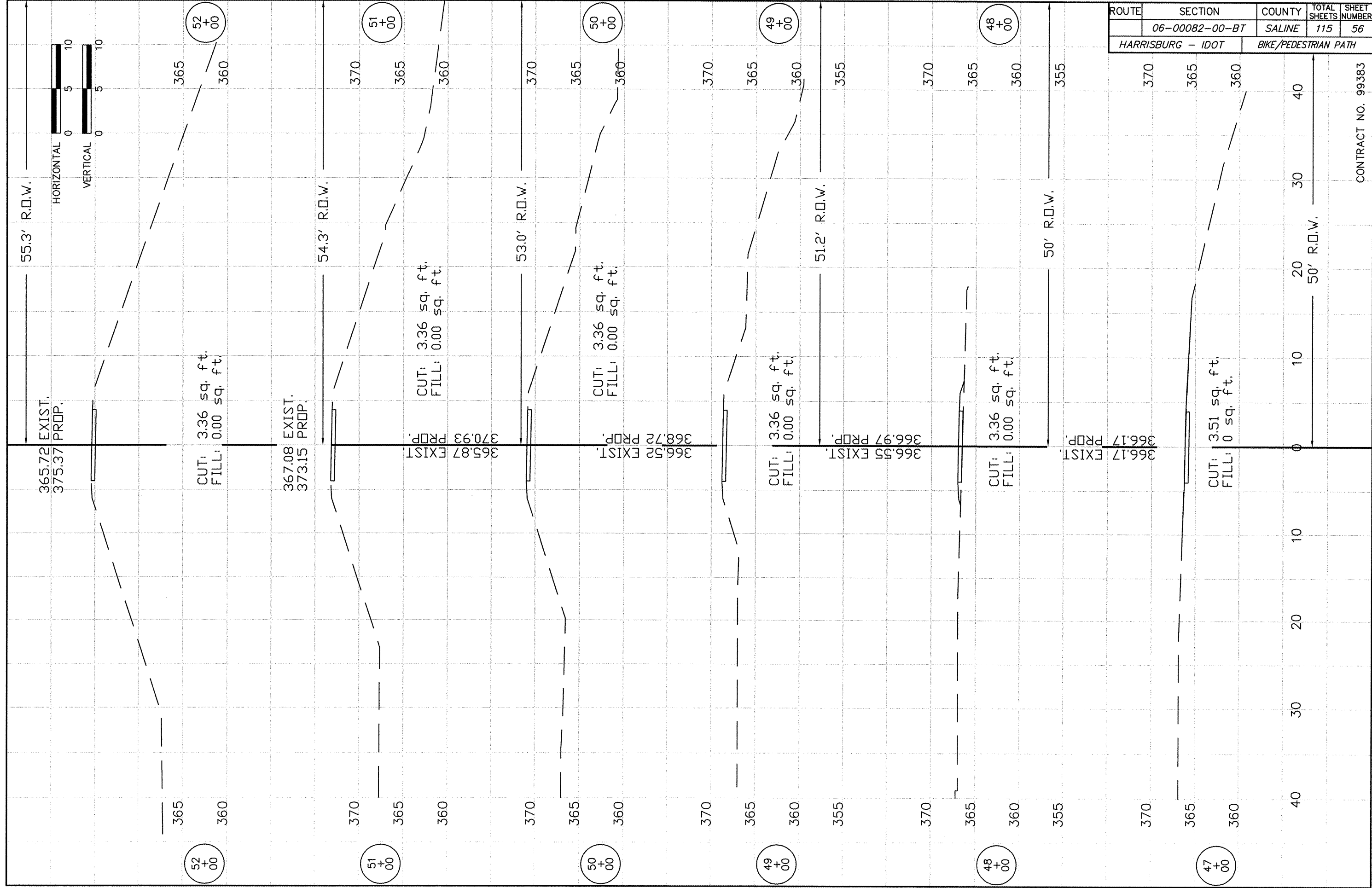
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	06-00082-00-BT	SALINE	115	54
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383

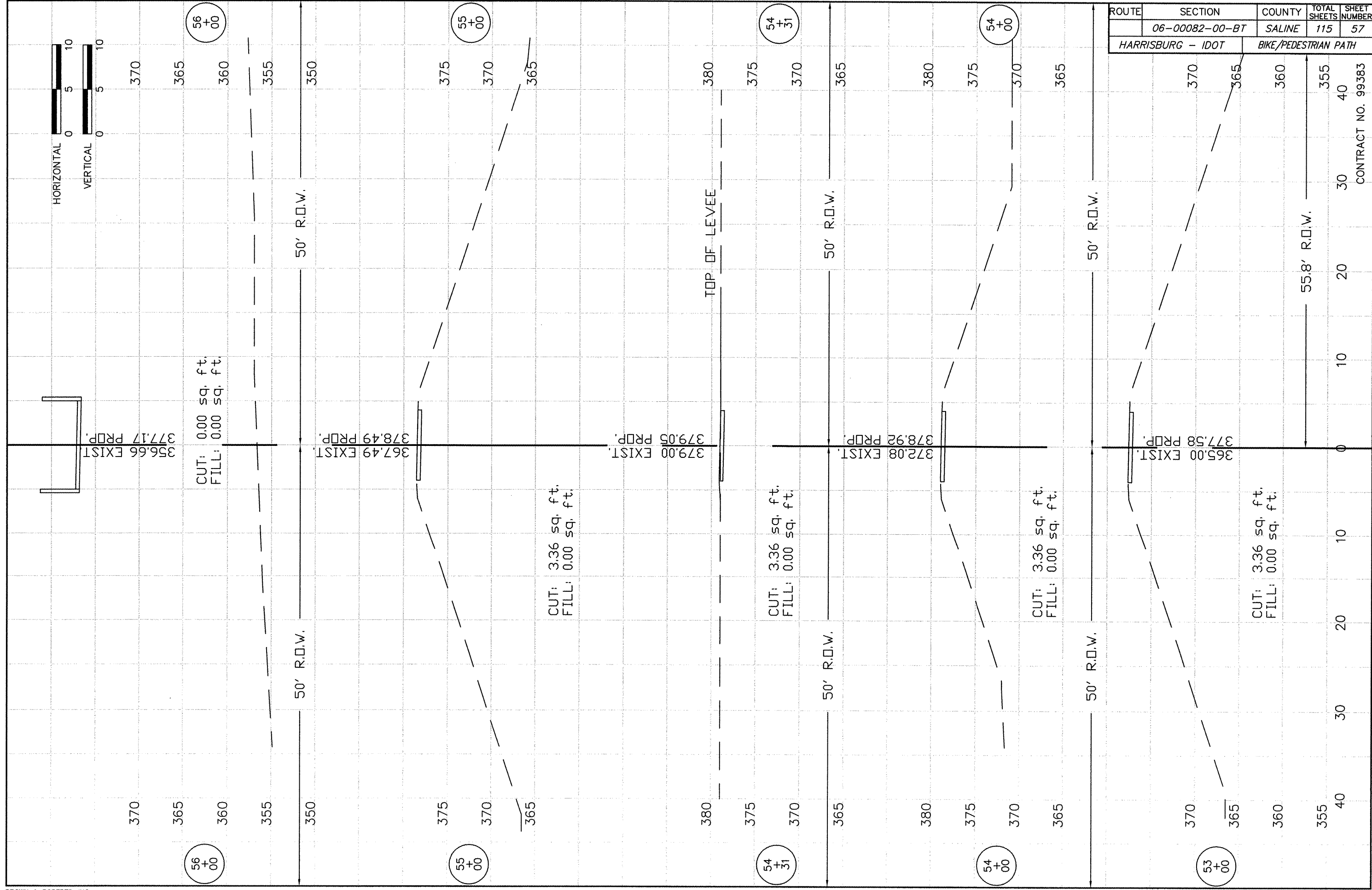




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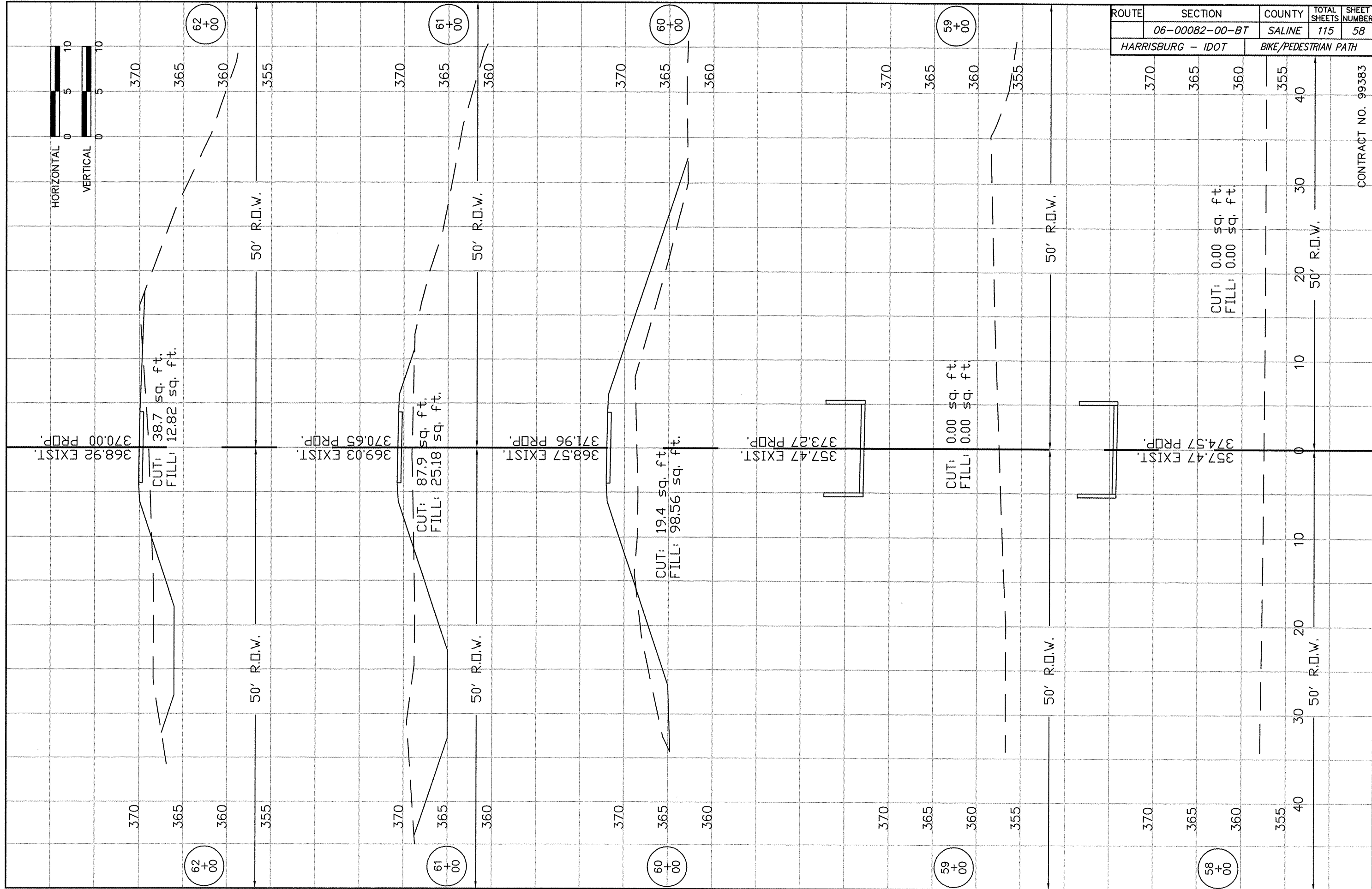


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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	57
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

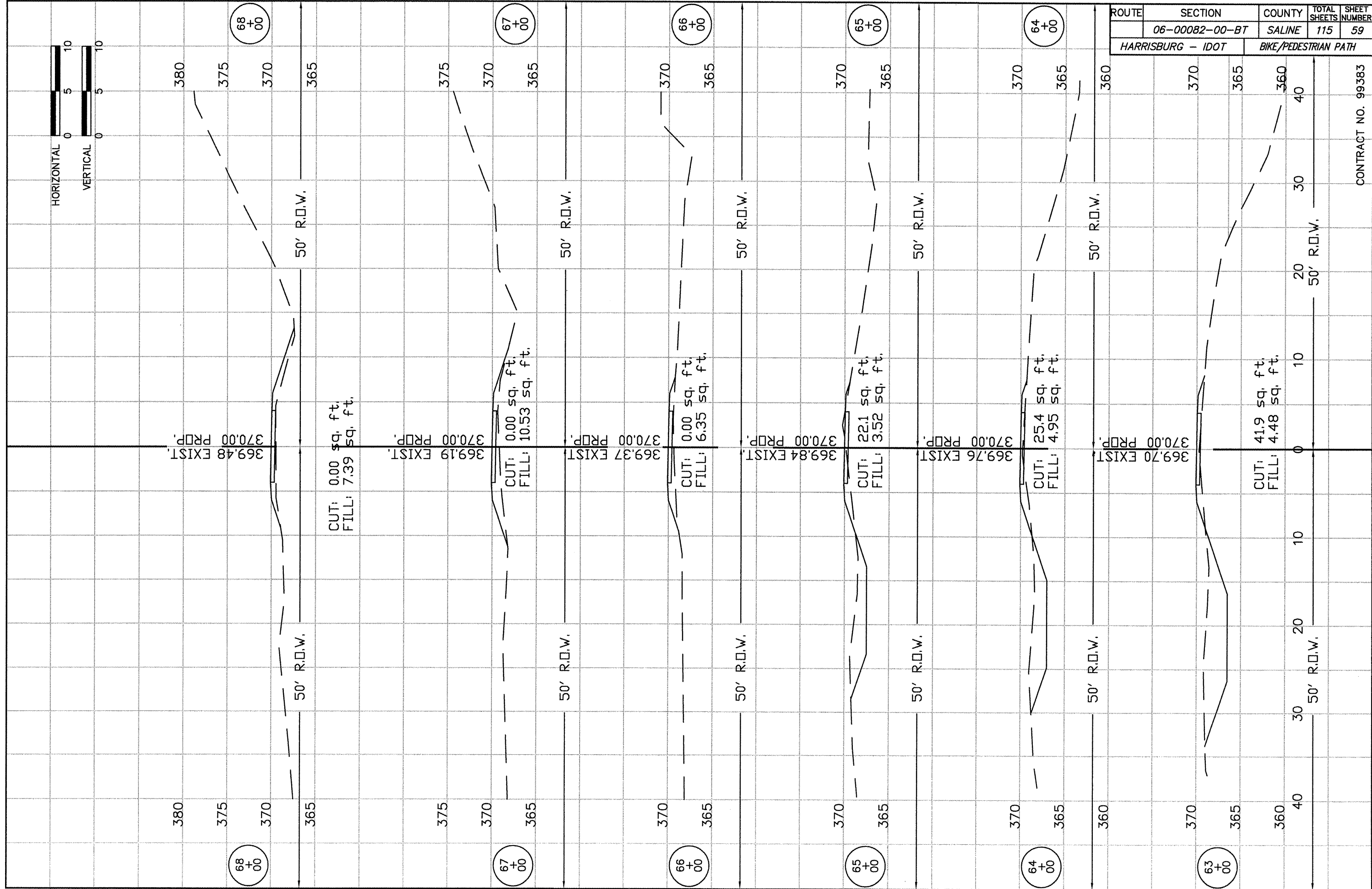
CONTRACT NO. 99383



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	58
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

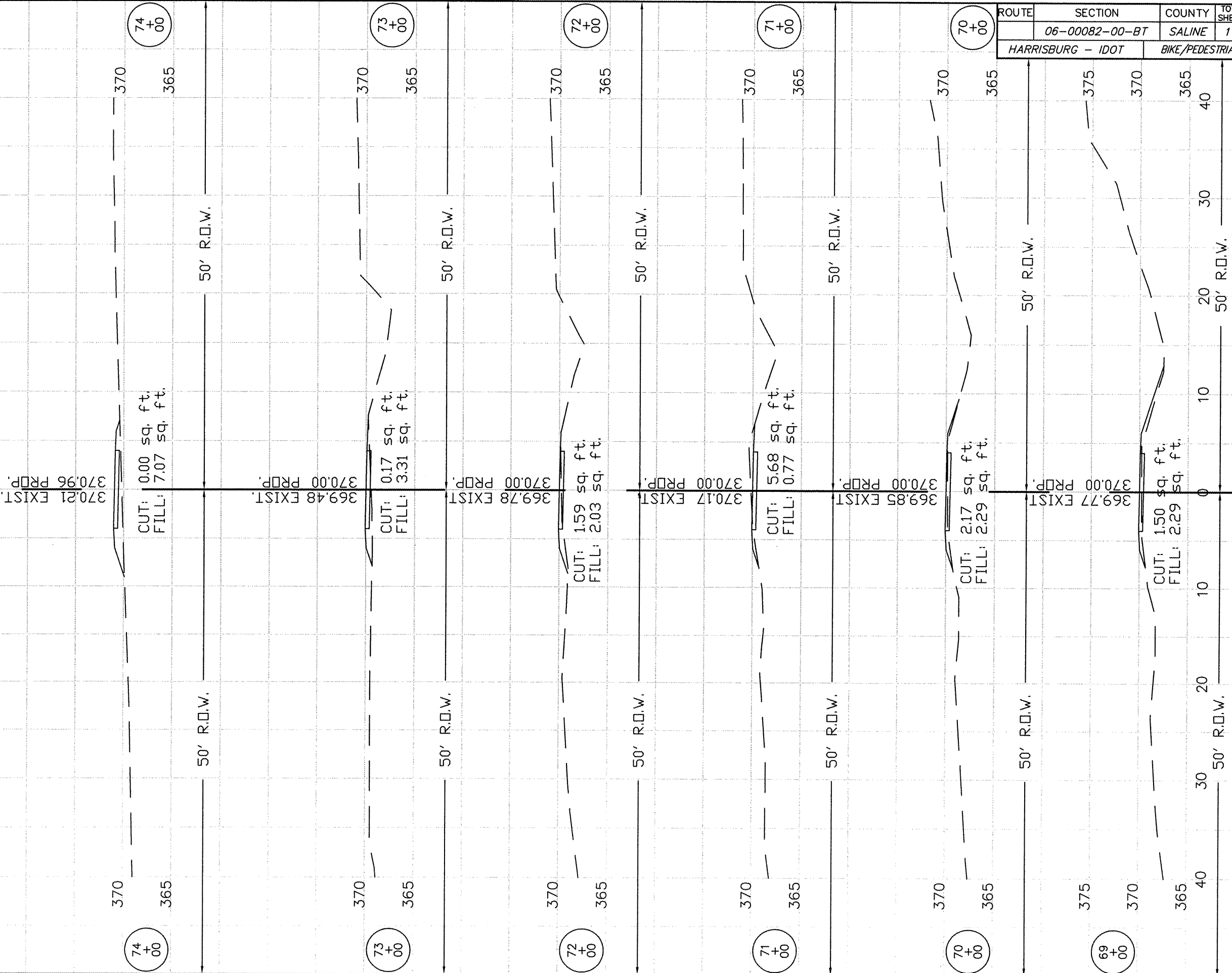
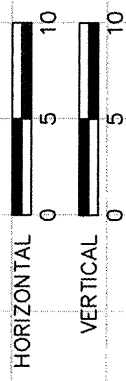
STATION	CUT (sq. ft.)	FILL (sq. ft.)	EXIST. ELEVATION	PROF. ELEVATION
58+00	0.00	0.00	355	370
59+00	19.4	98.56	365	370
60+00	87.9	25.18	365	370
61+00	38.7	12.82	365	370
62+00	0.00	0.00	360	370

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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	59
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

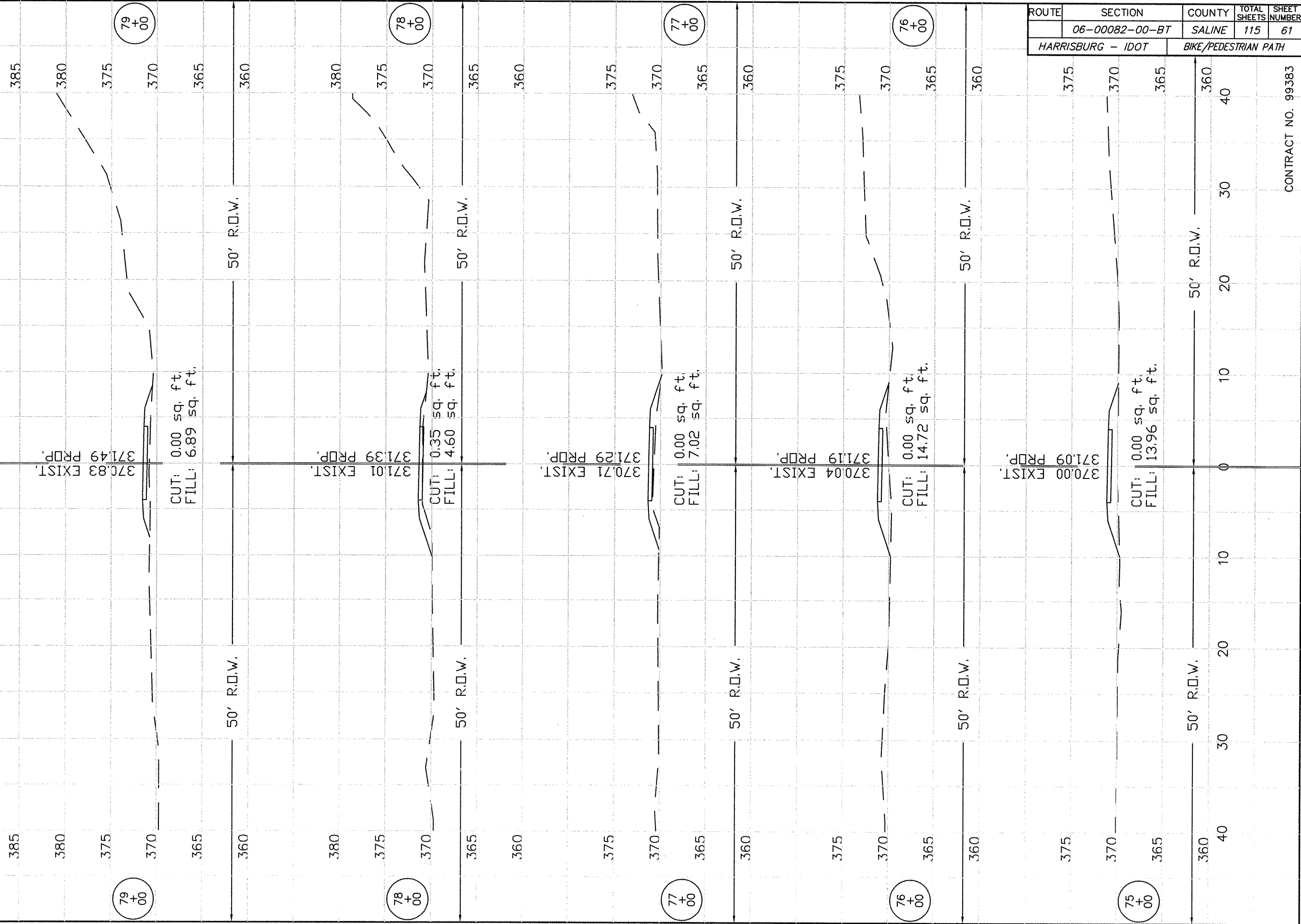
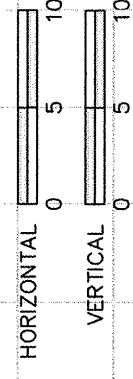
CONTRACT NO. 99383



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	60

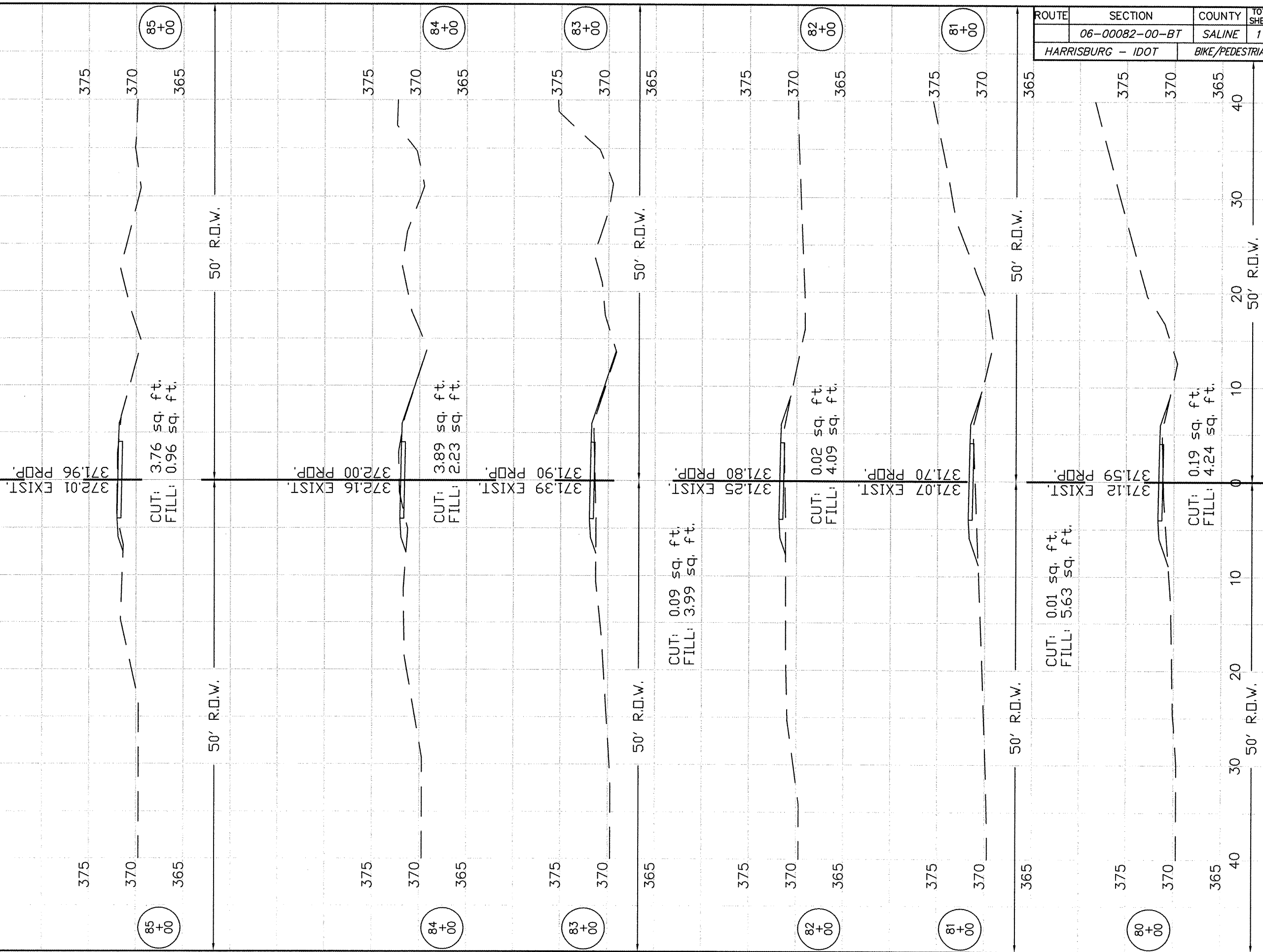
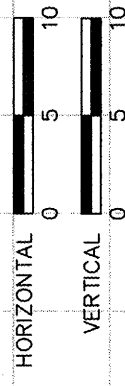
HARRISBURG - IDOT BIKE/PEDESTRIAN PATH

CONTRACT NO. 99383



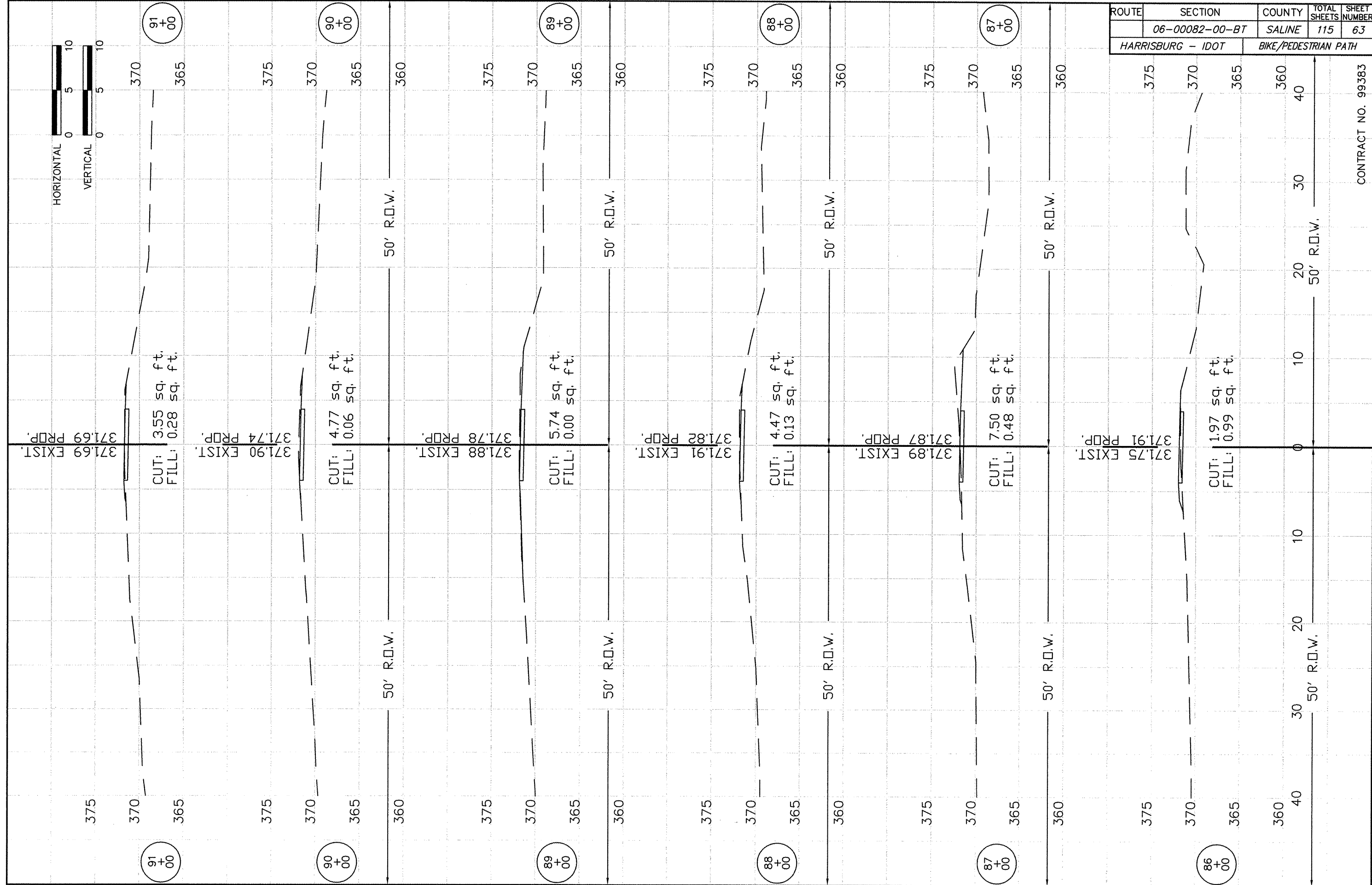
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	06-00082-00-BT	SALINE	115	61
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	62
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

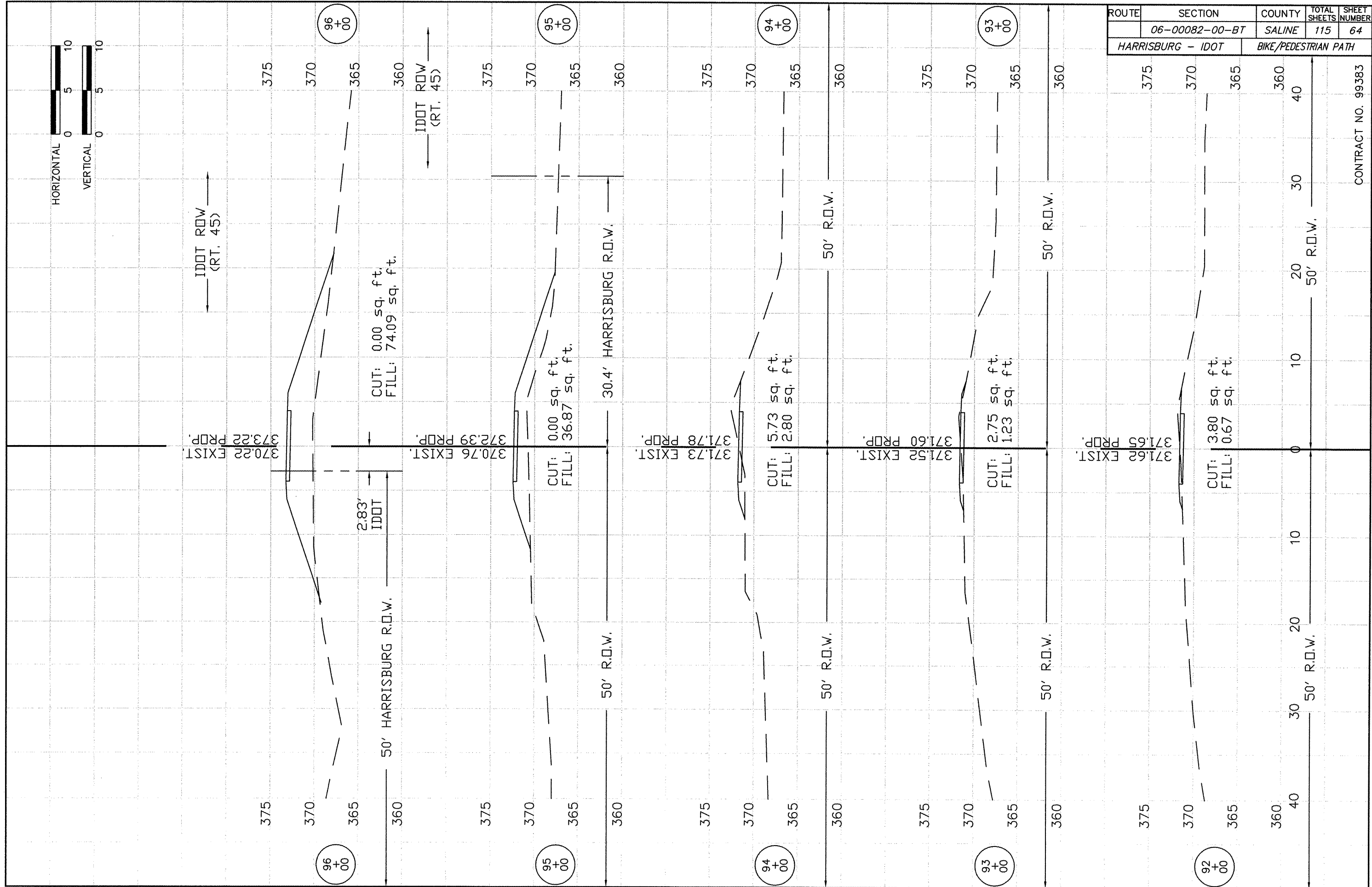
CONTRACT NO. 99383



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	63
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383

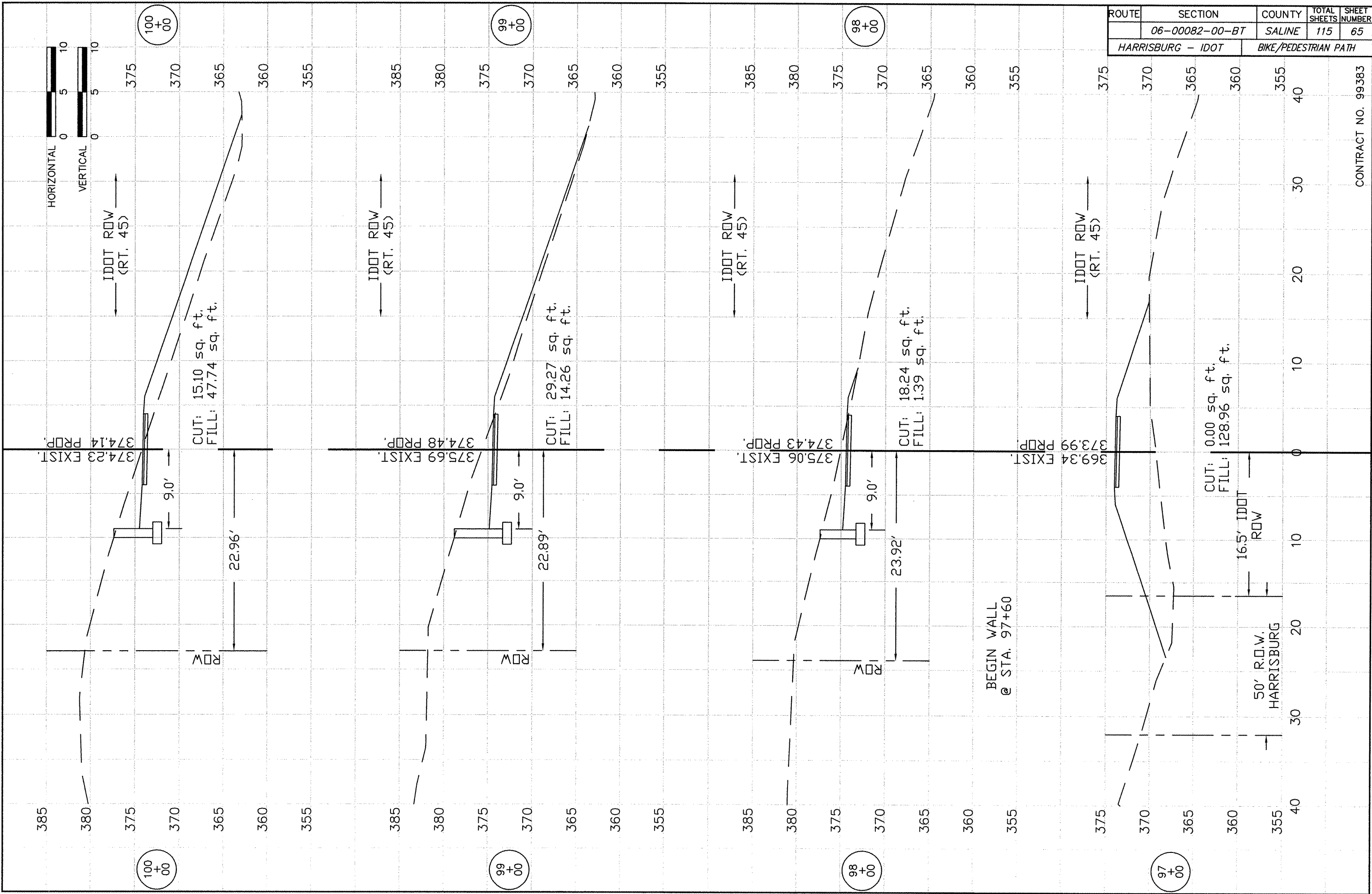
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	06-00082-00-BT	SALINE	115	64
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		



CONTRACT NO. 99383

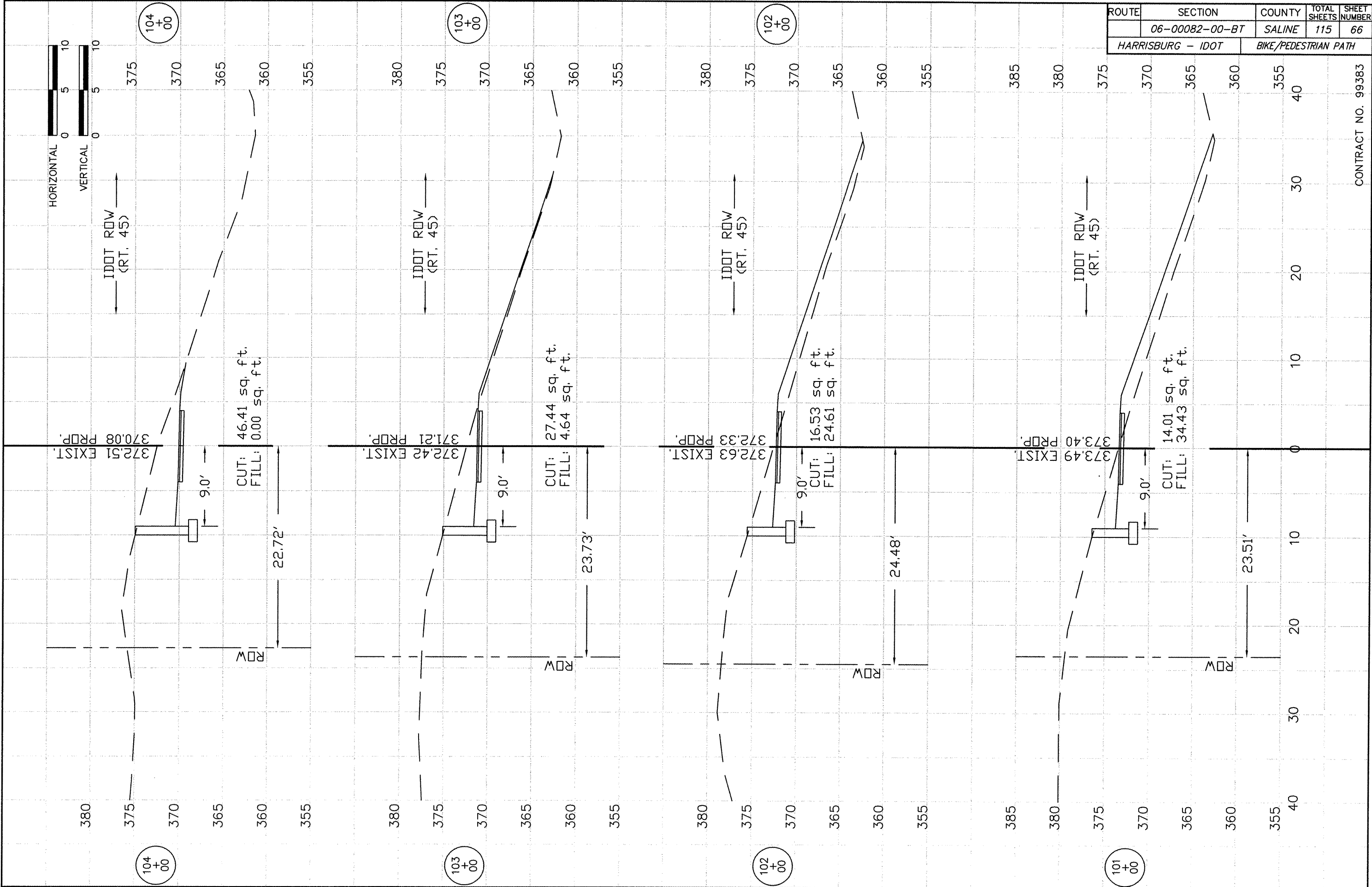
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	06-00082-00-BT	SALINE	115	65
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

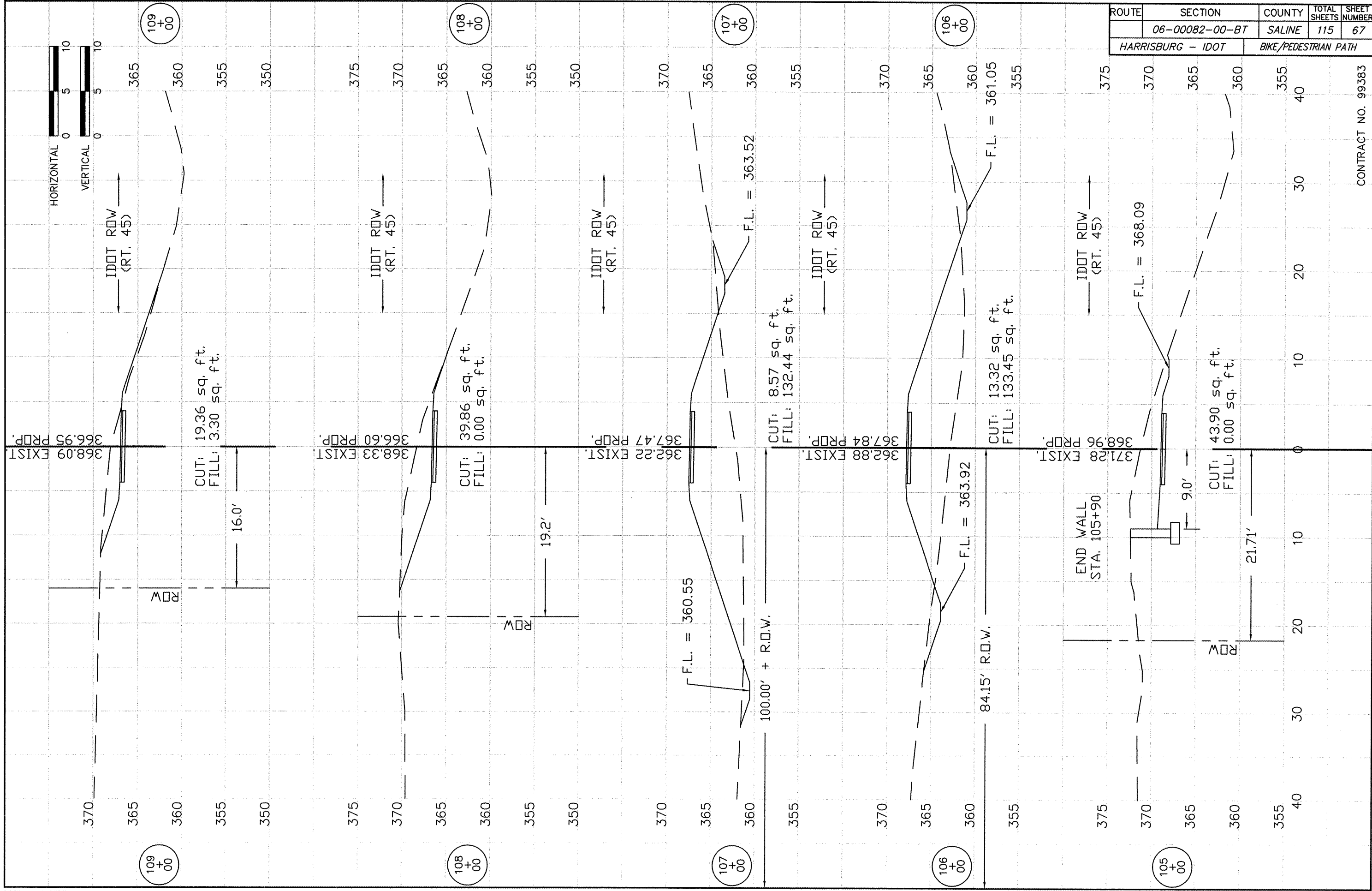
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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	66
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383



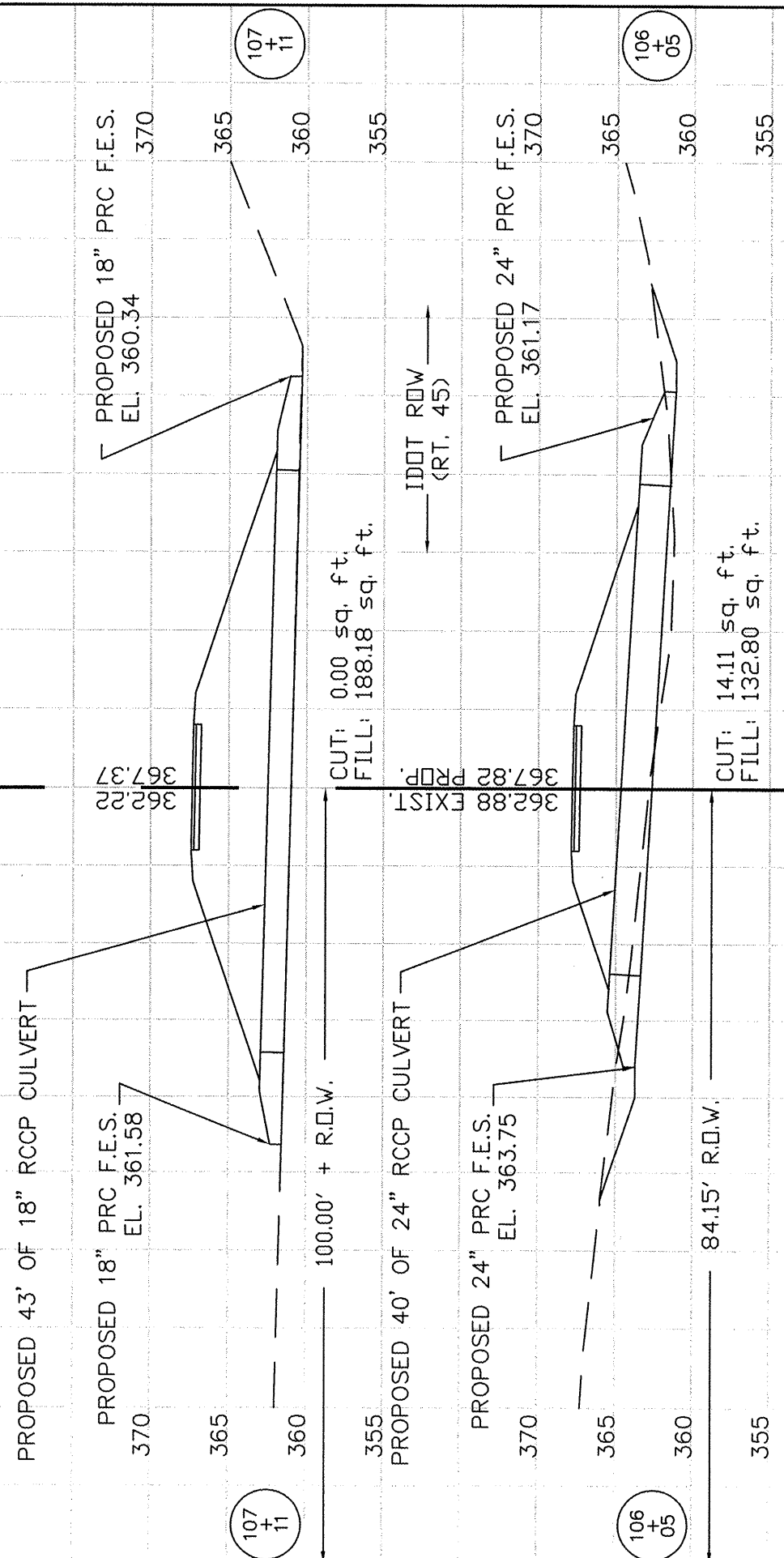


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	67
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383

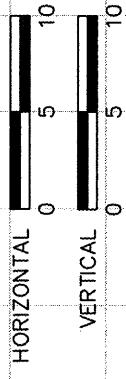
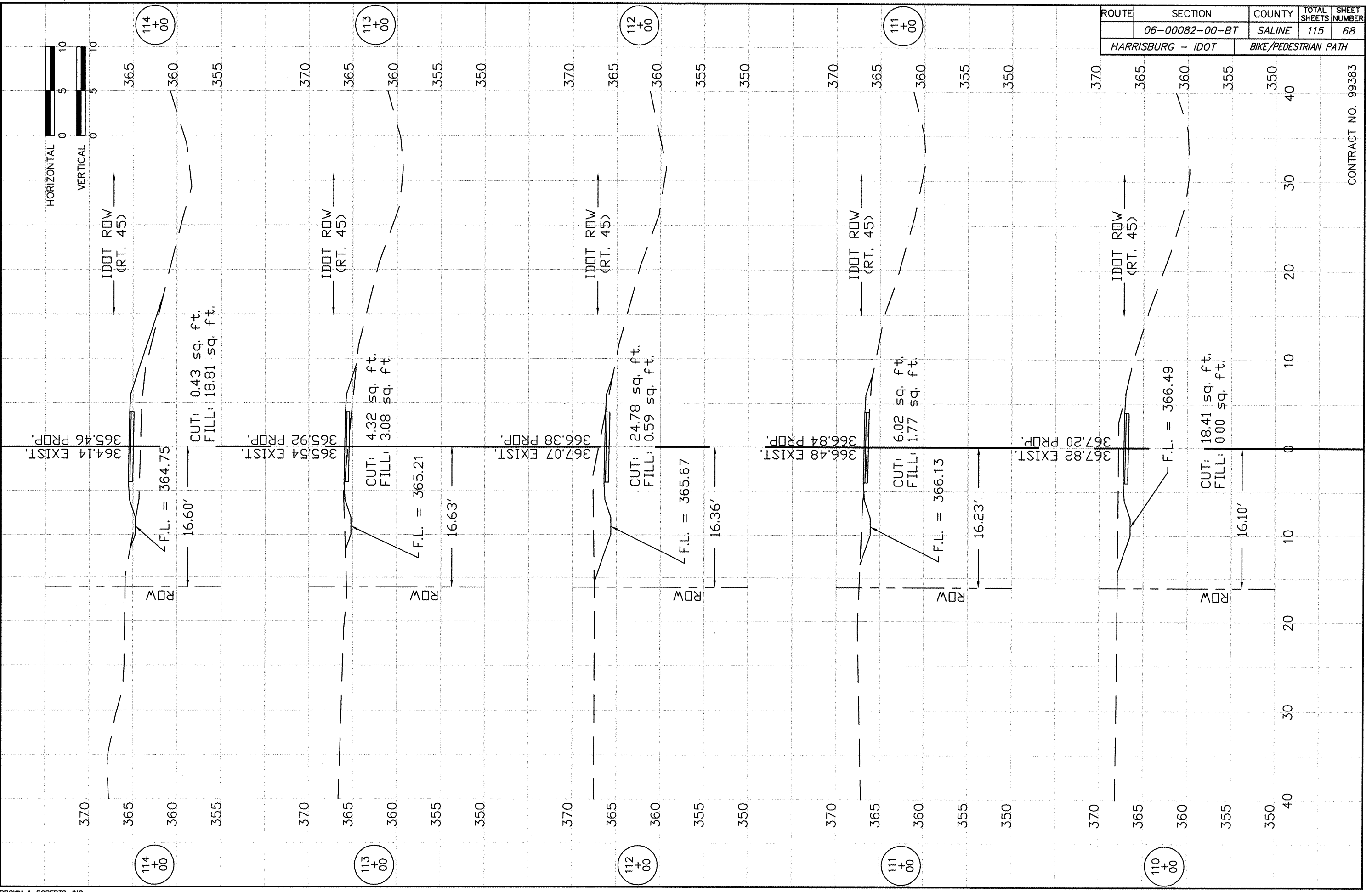
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	67A
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383

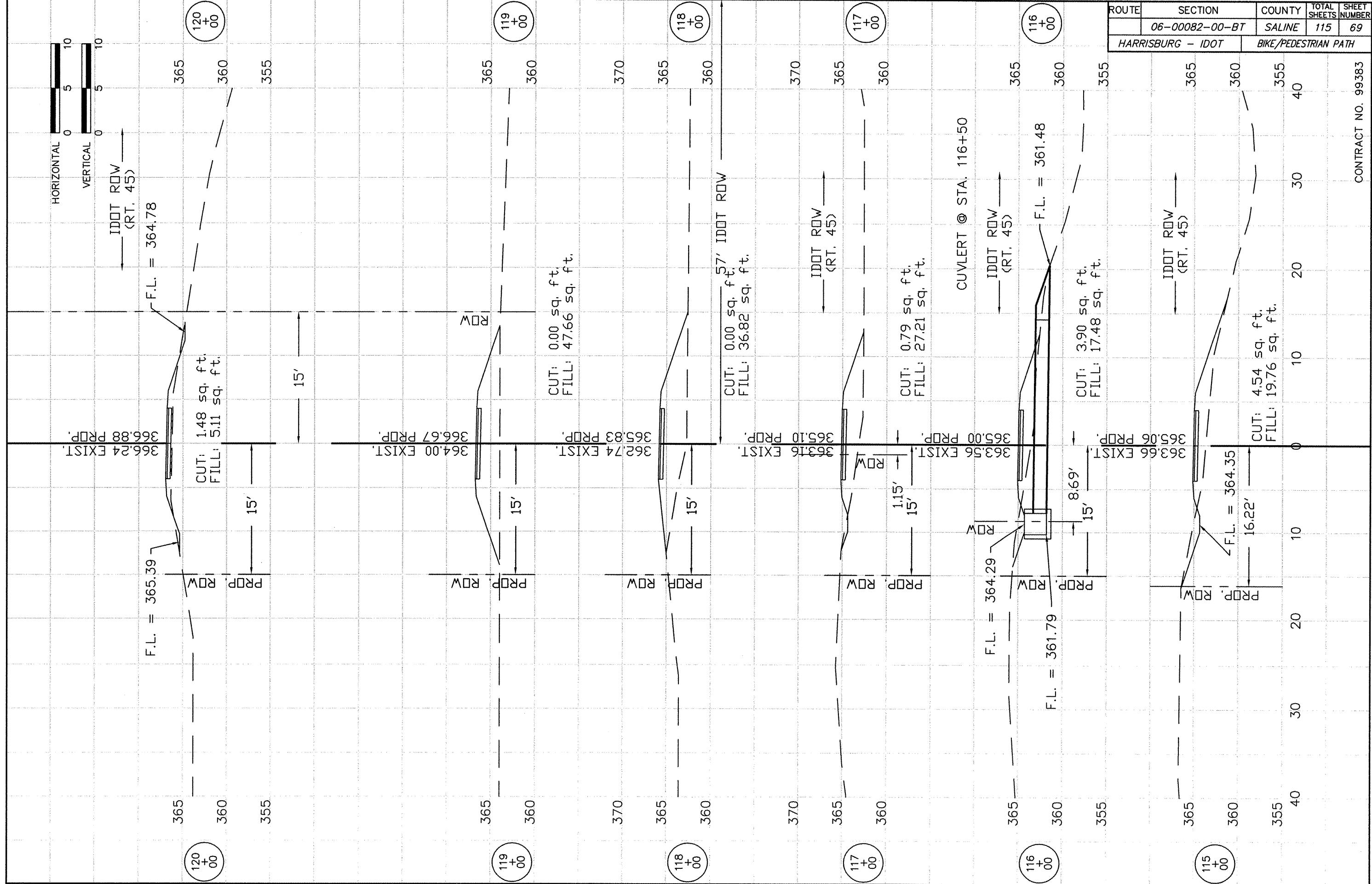


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	68
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

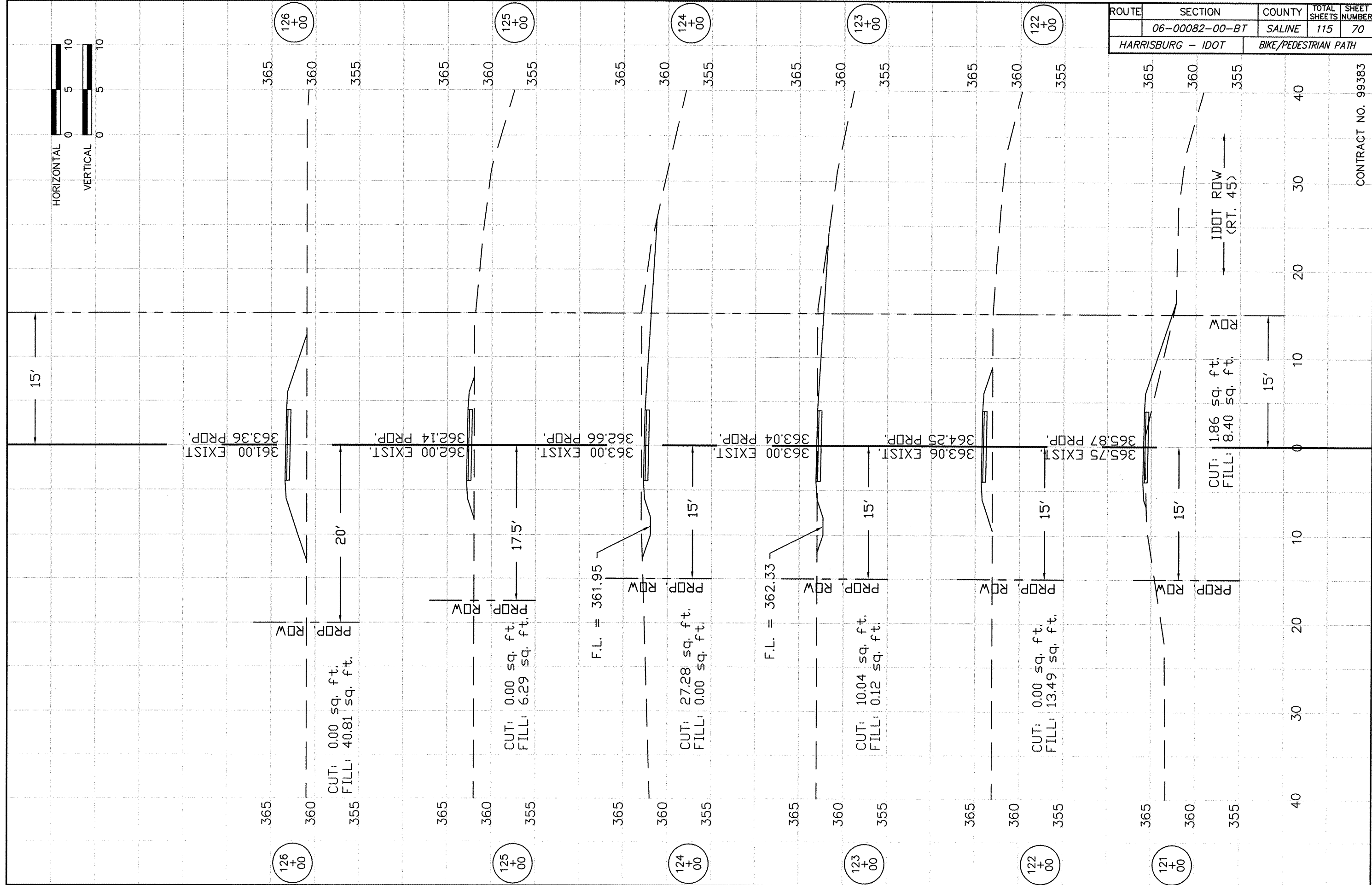
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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	69
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		



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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	70
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

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CUT: 1.86 sq. ft.
FILL: 8.40 sq. ft.

ROW

IDOT ROW
(RT. 45)

126+00 365 360 355 20' 361.00 EXIST. 363.36 PRDP. 15'

125+00 365 360 355 17.5' 362.00 EXIST. 362.14 PRDP. CUT: 0.00 sq. ft. FILL: 6.29 sq. ft.

124+00 365 360 355 15' 363.00 EXIST. 362.66 PRDP. F.L. = 361.95 CUT: 27.28 sq. ft. FILL: 0.00 sq. ft.

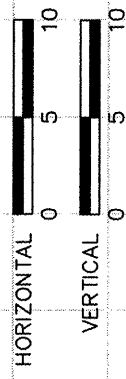
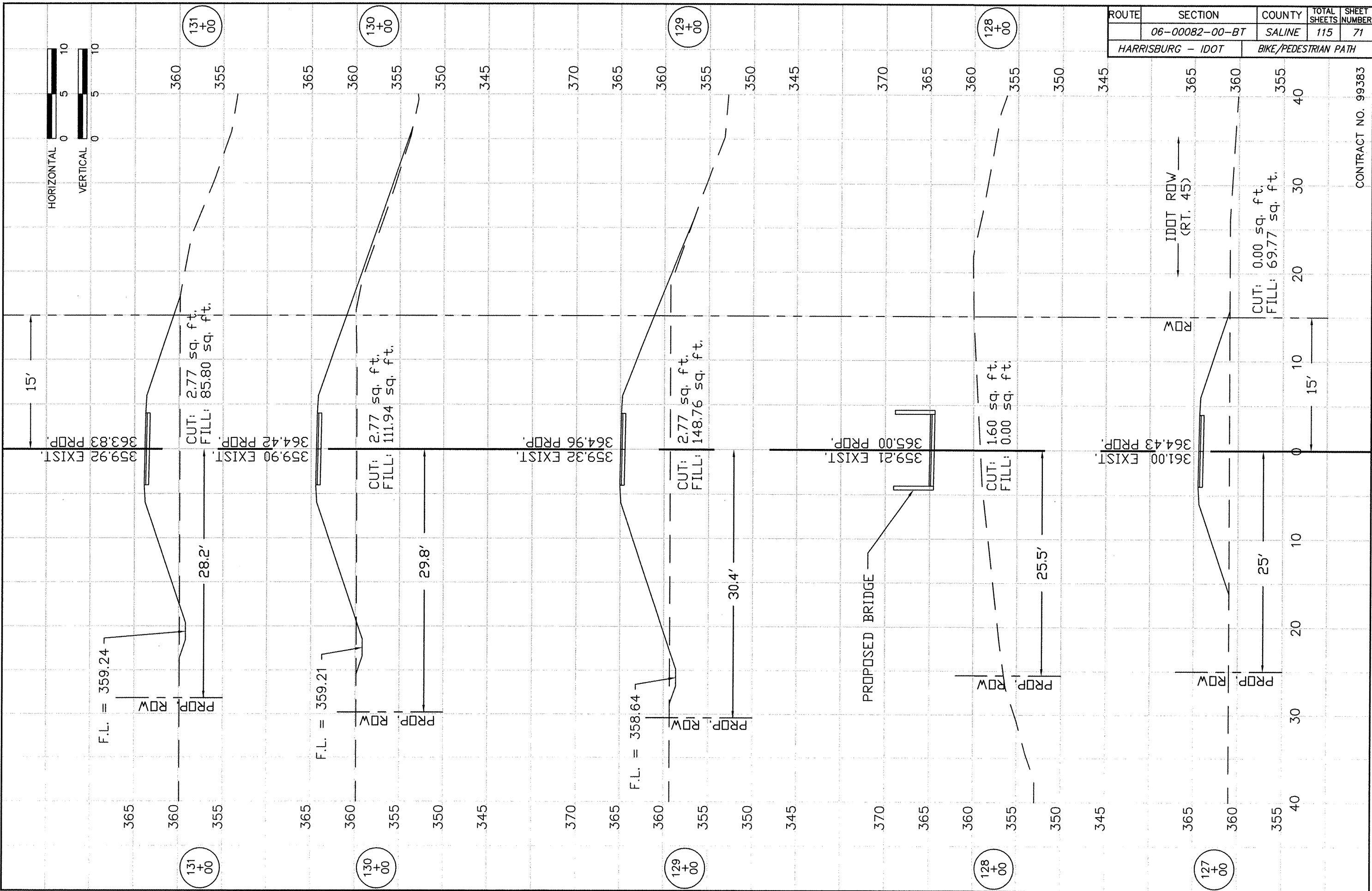
123+00 365 360 355 15' 363.00 EXIST. 363.04 PRDP. F.L. = 362.33 CUT: 10.04 sq. ft. FILL: 0.12 sq. ft.

122+00 365 360 355 15' 363.06 EXIST. 364.25 PRDP. CUT: 0.00 sq. ft. FILL: 13.49 sq. ft.

121+00 365 360 355 15' 365.75 EXIST. 365.87 PRDP. CUT: 1.86 sq. ft. FILL: 8.40 sq. ft.

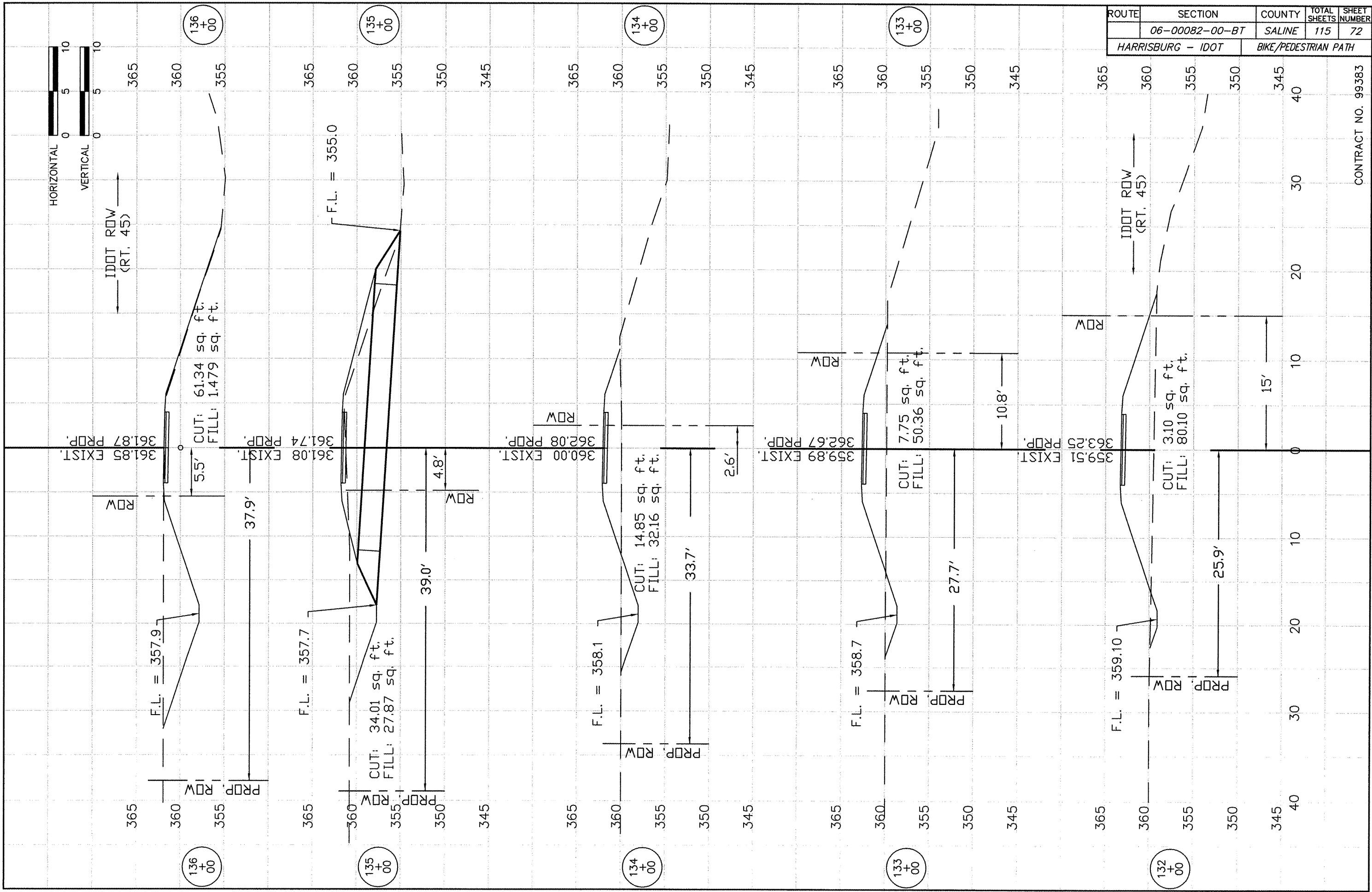
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	06-00082-00-BT	SALINE	115	71
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

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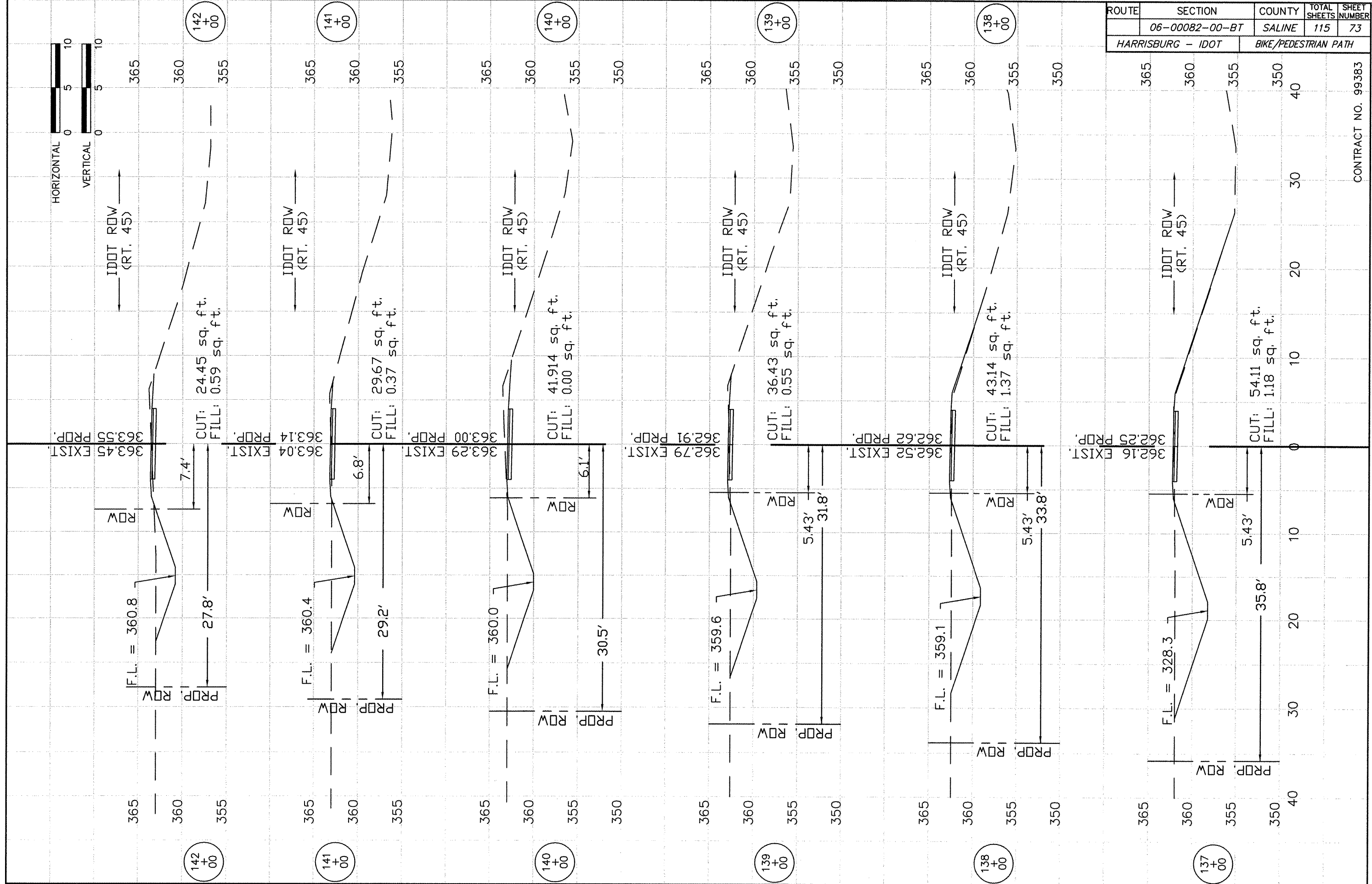


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	72
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

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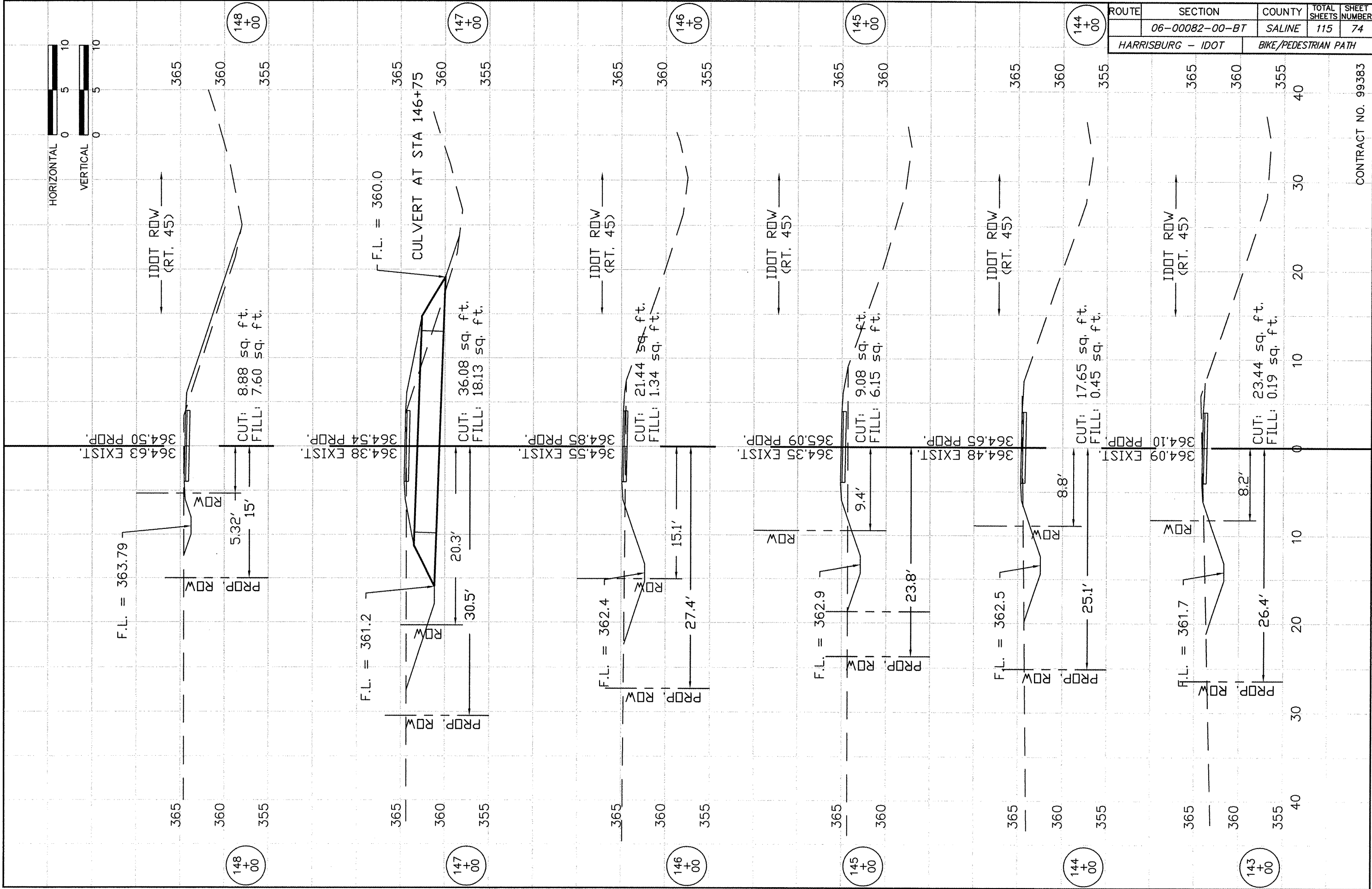
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	06-00082-00-BT	SALINE	115	73
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		



CONTRACT NO. 99383

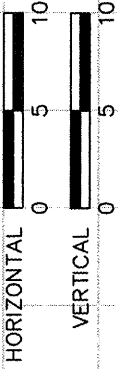
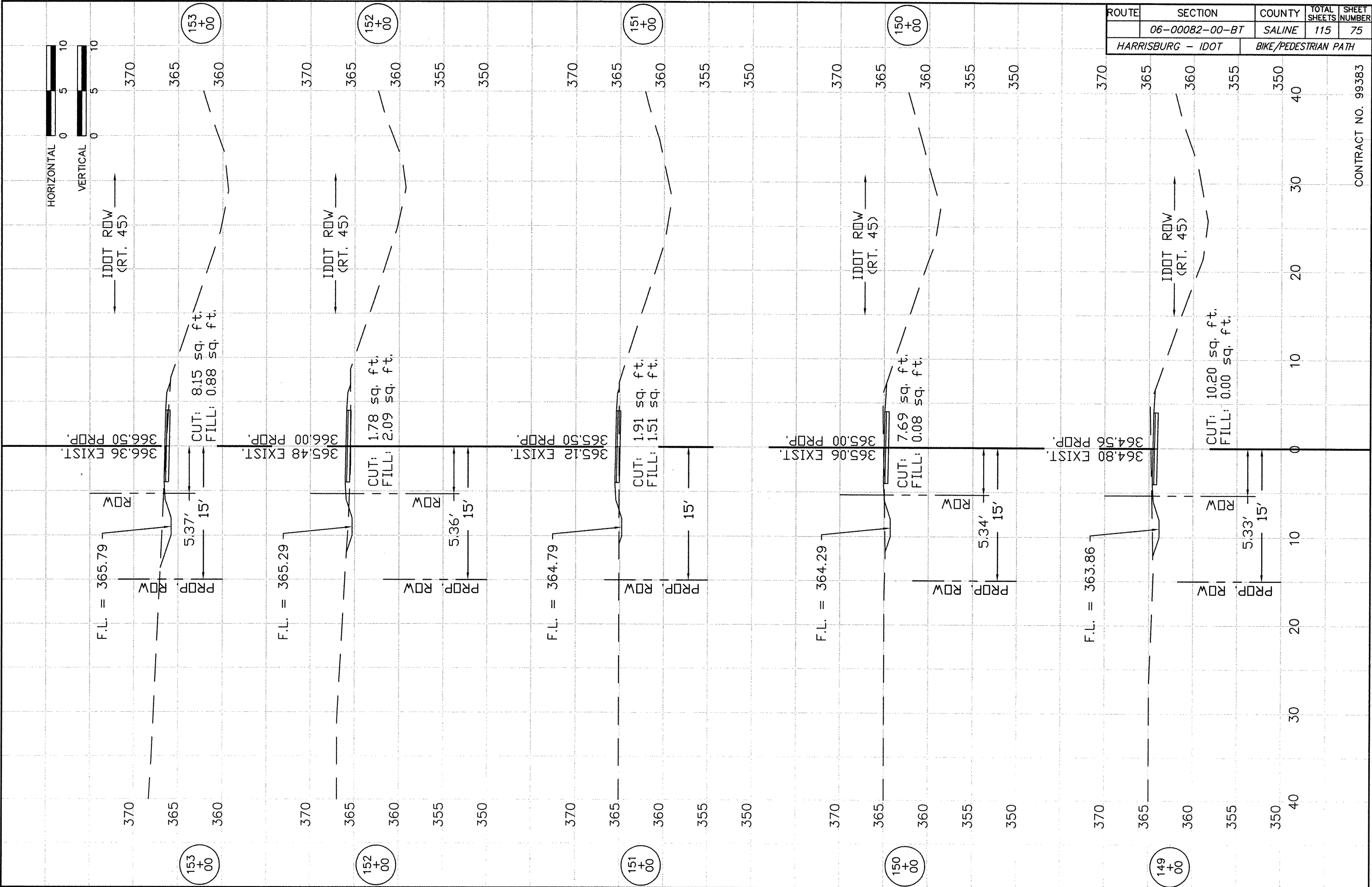
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	06-00082-00-BT	SALINE	115	74
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383

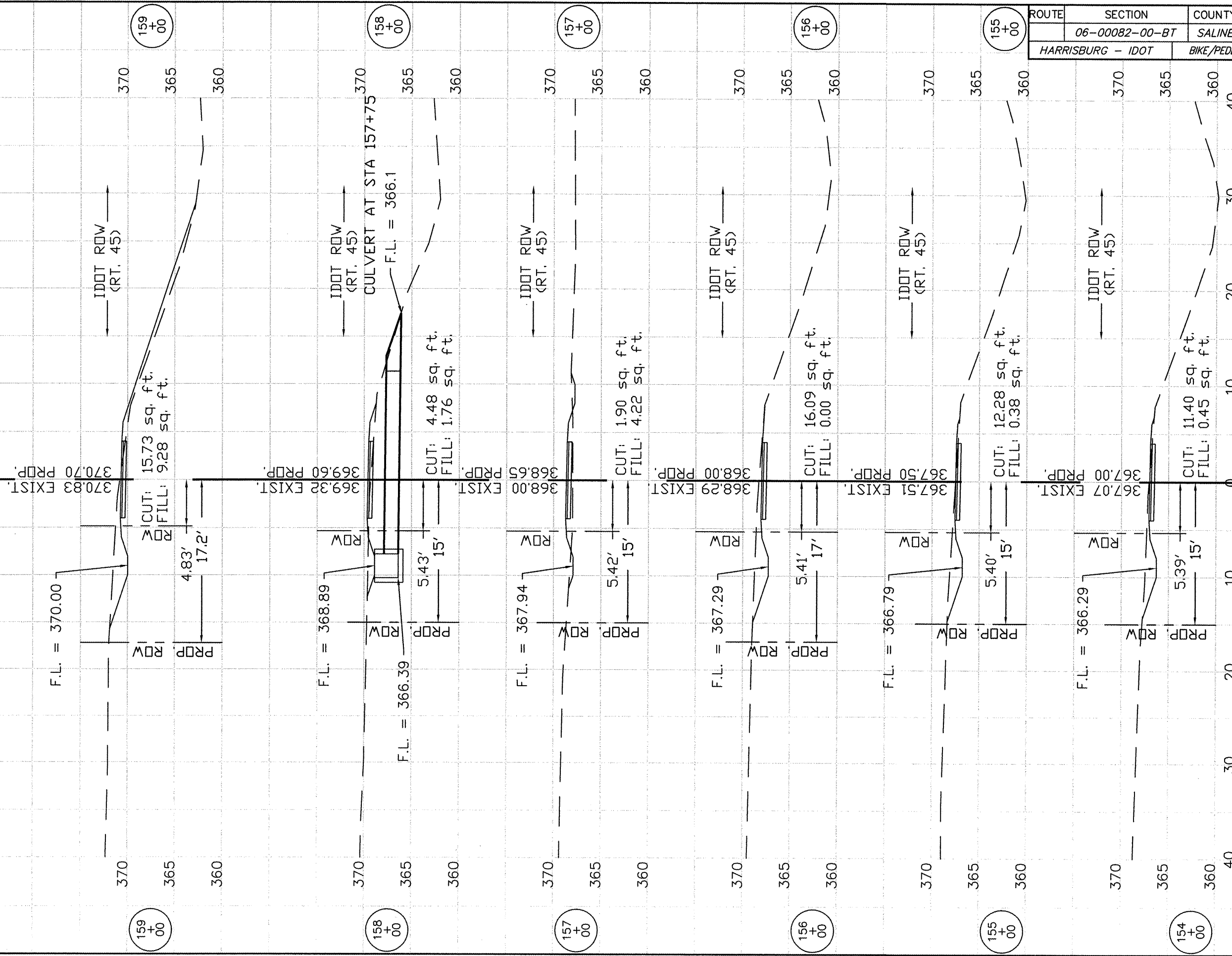
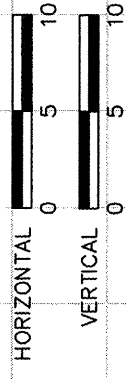


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	75
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

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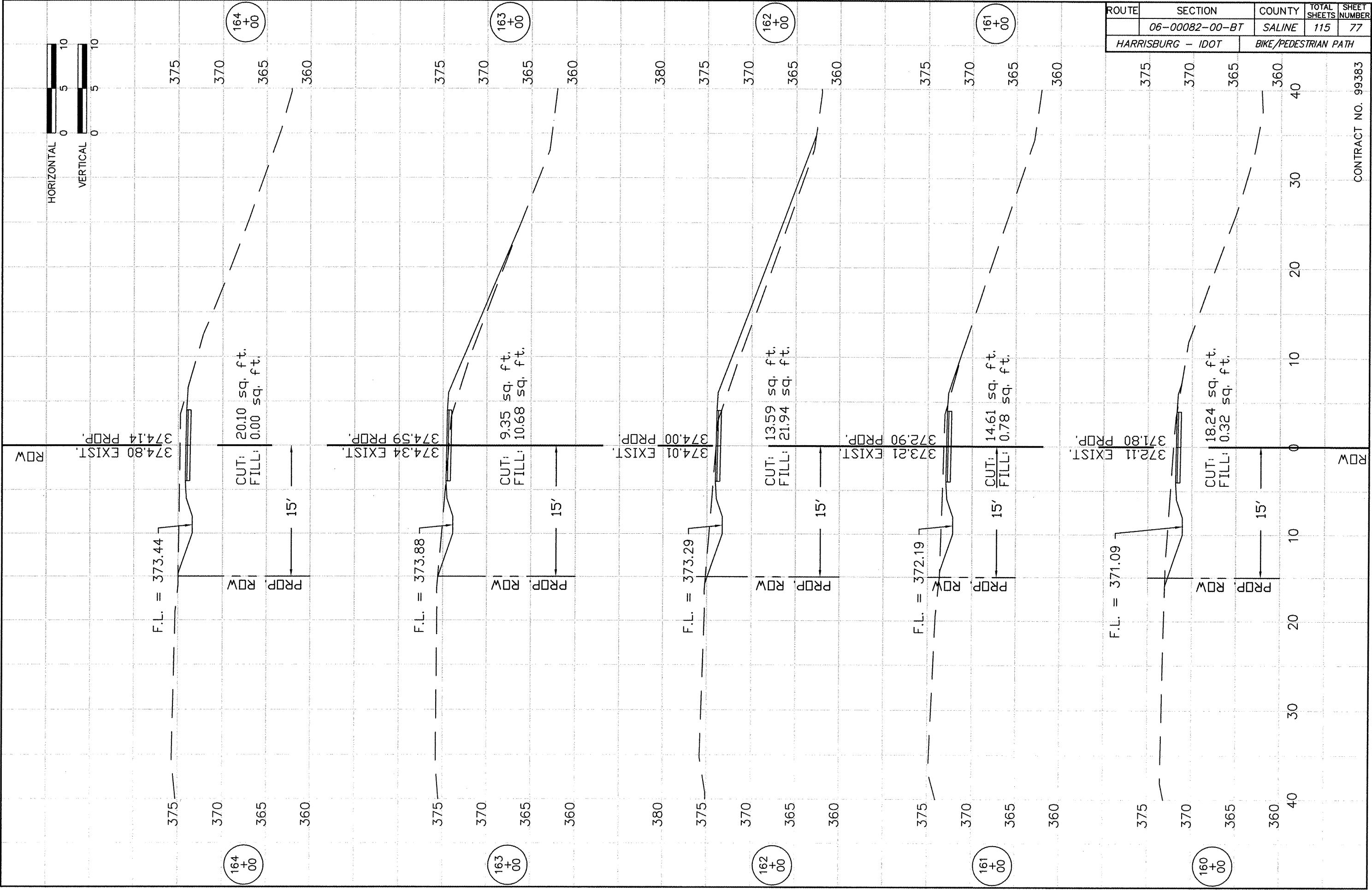
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	06-00082-00-BT	SALINE	115	76
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		



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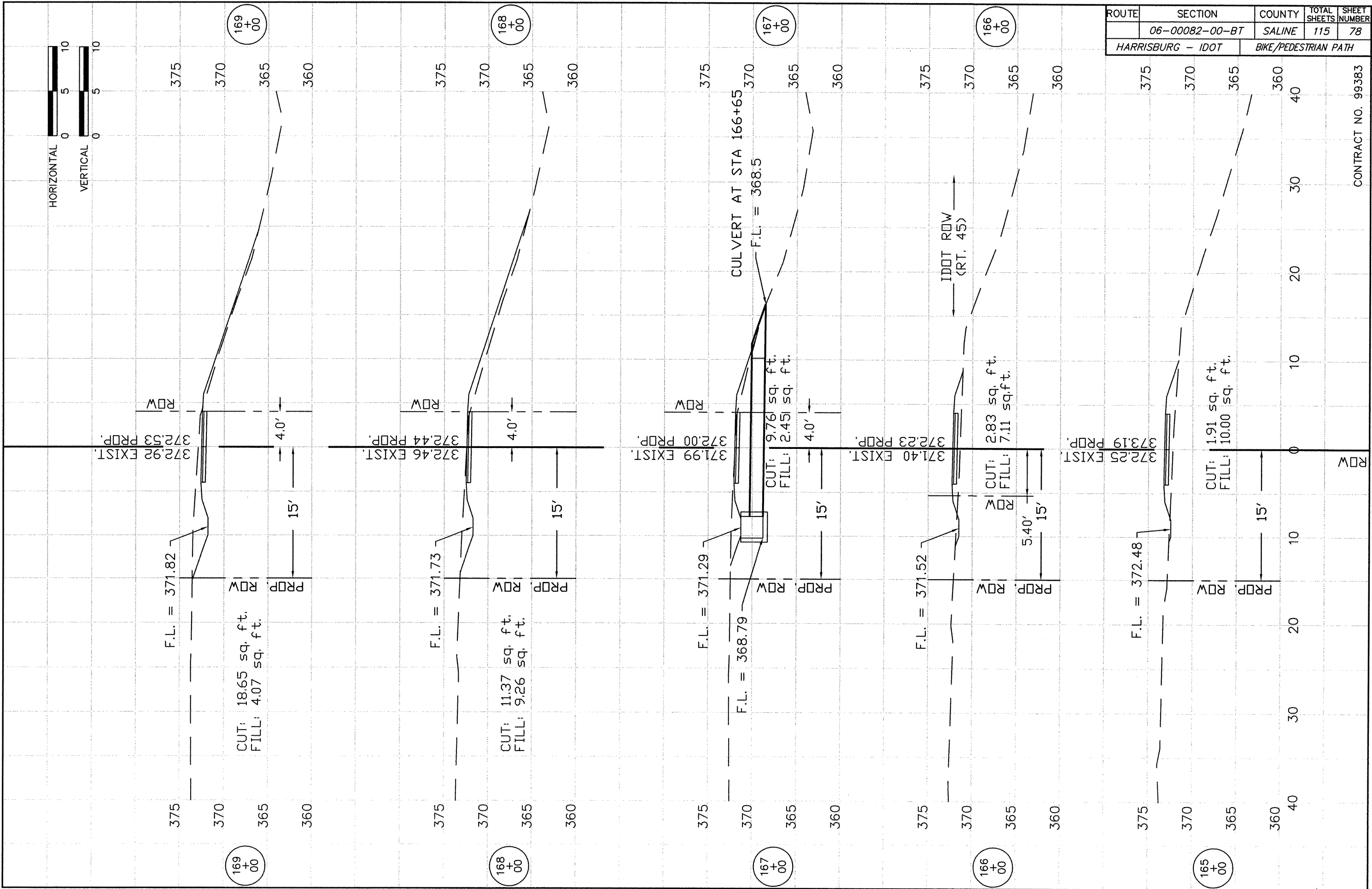
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	06-00082-00-BT	SALINE	115	77
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

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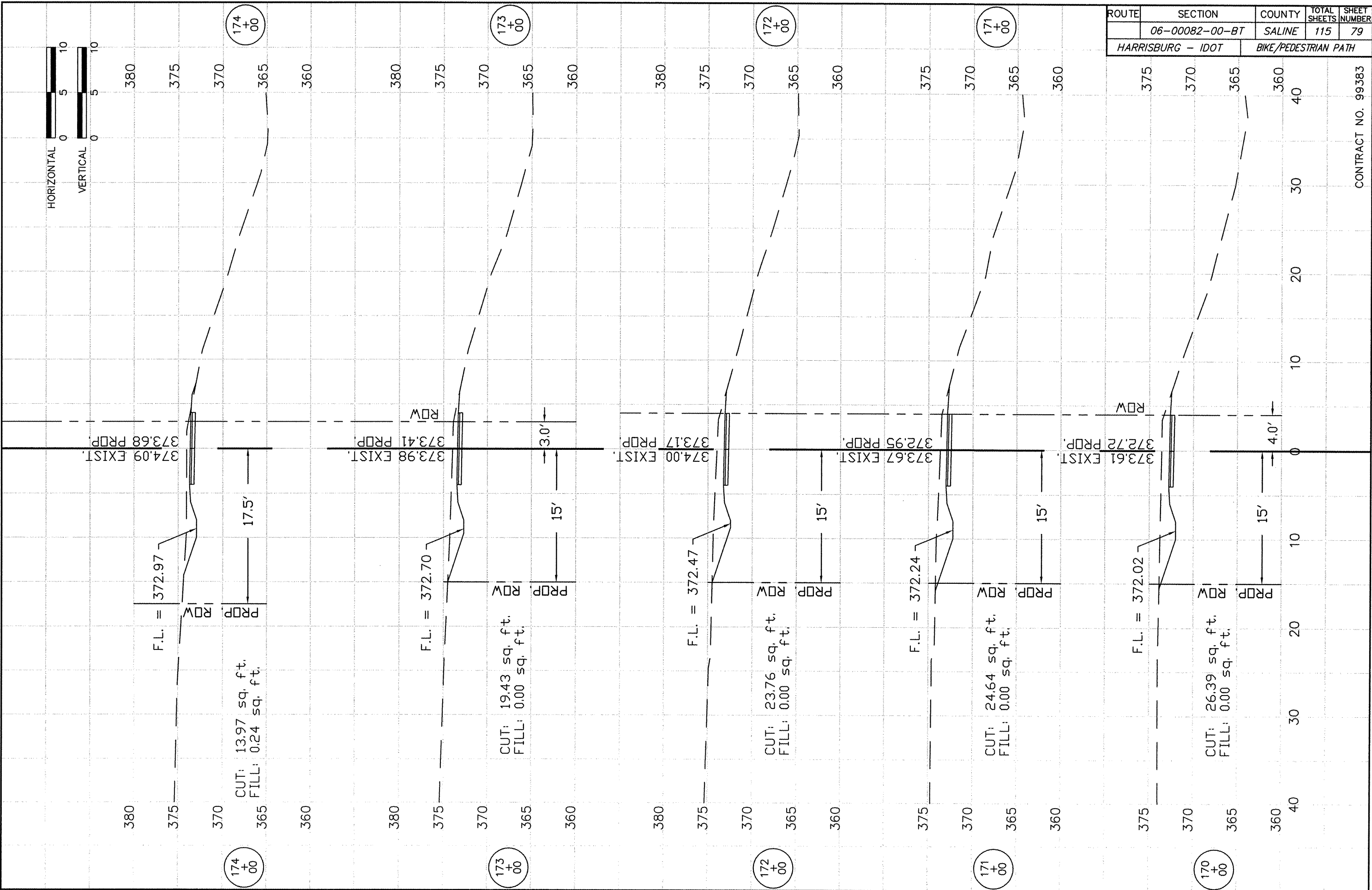
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	06-00082-00-BT	SALINE	115	78
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

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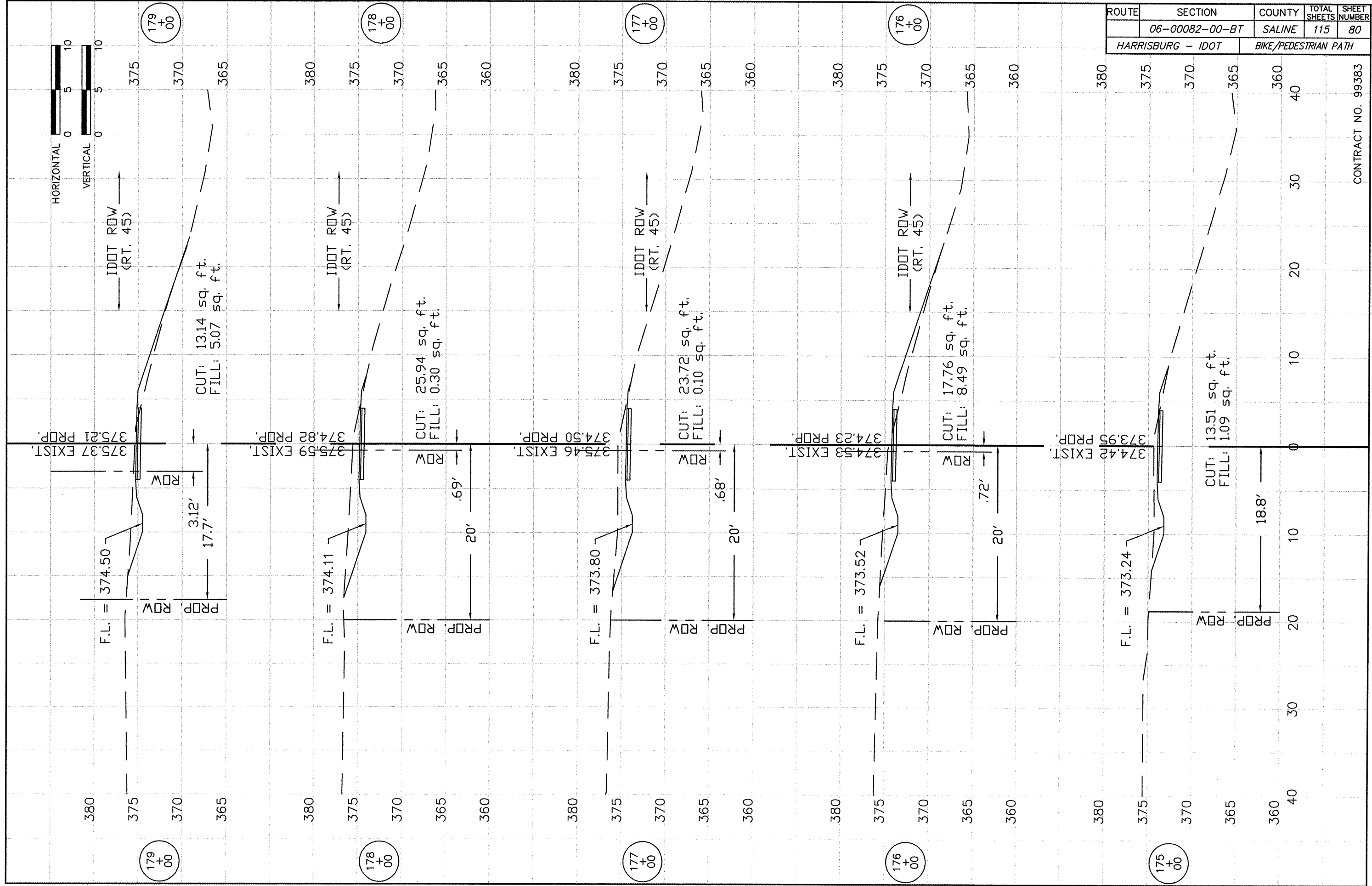
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	06-00082-00-BT	SALINE	115	79
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

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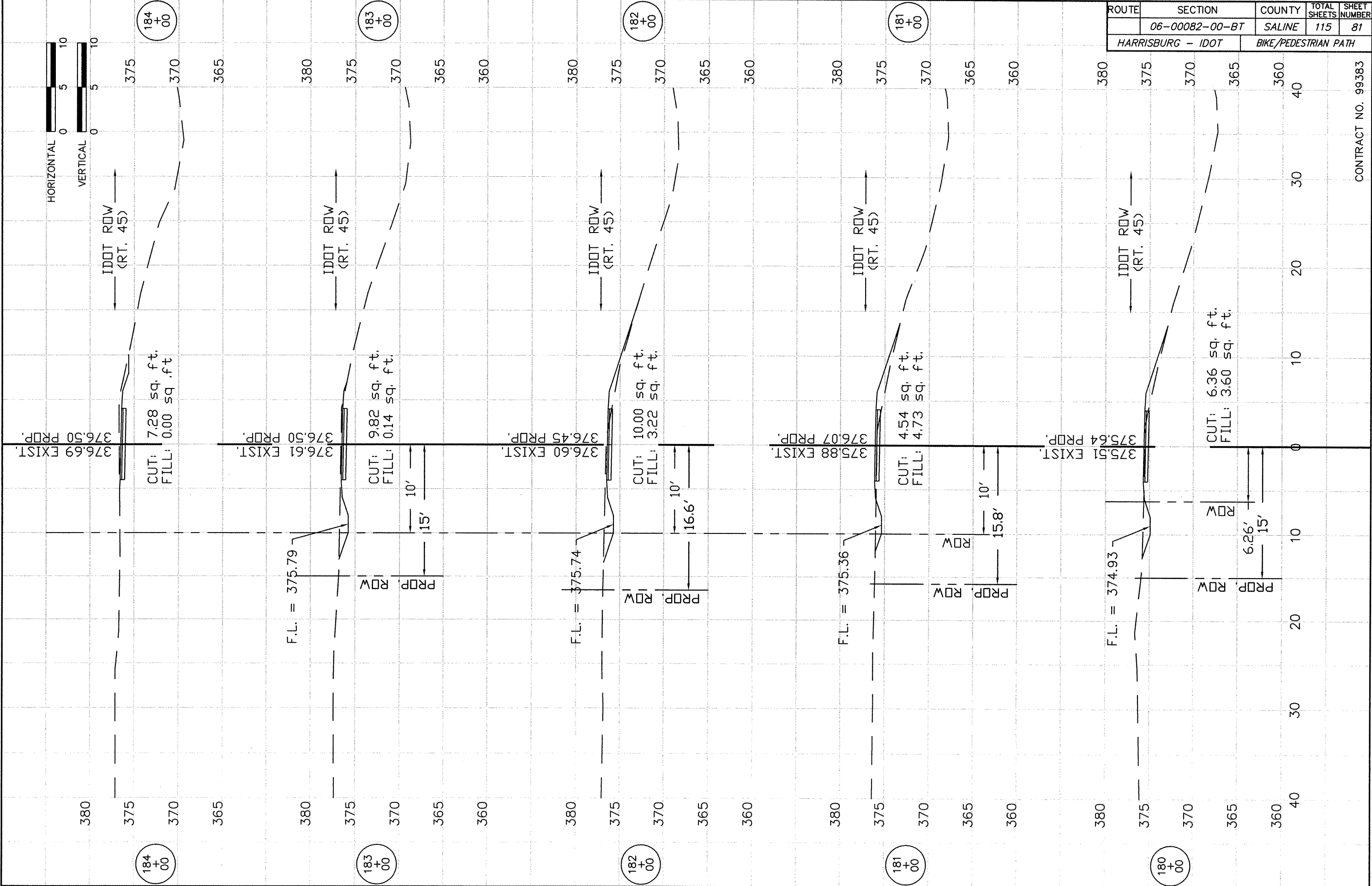


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	06-00082-00-BT	SALINE	115	80
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

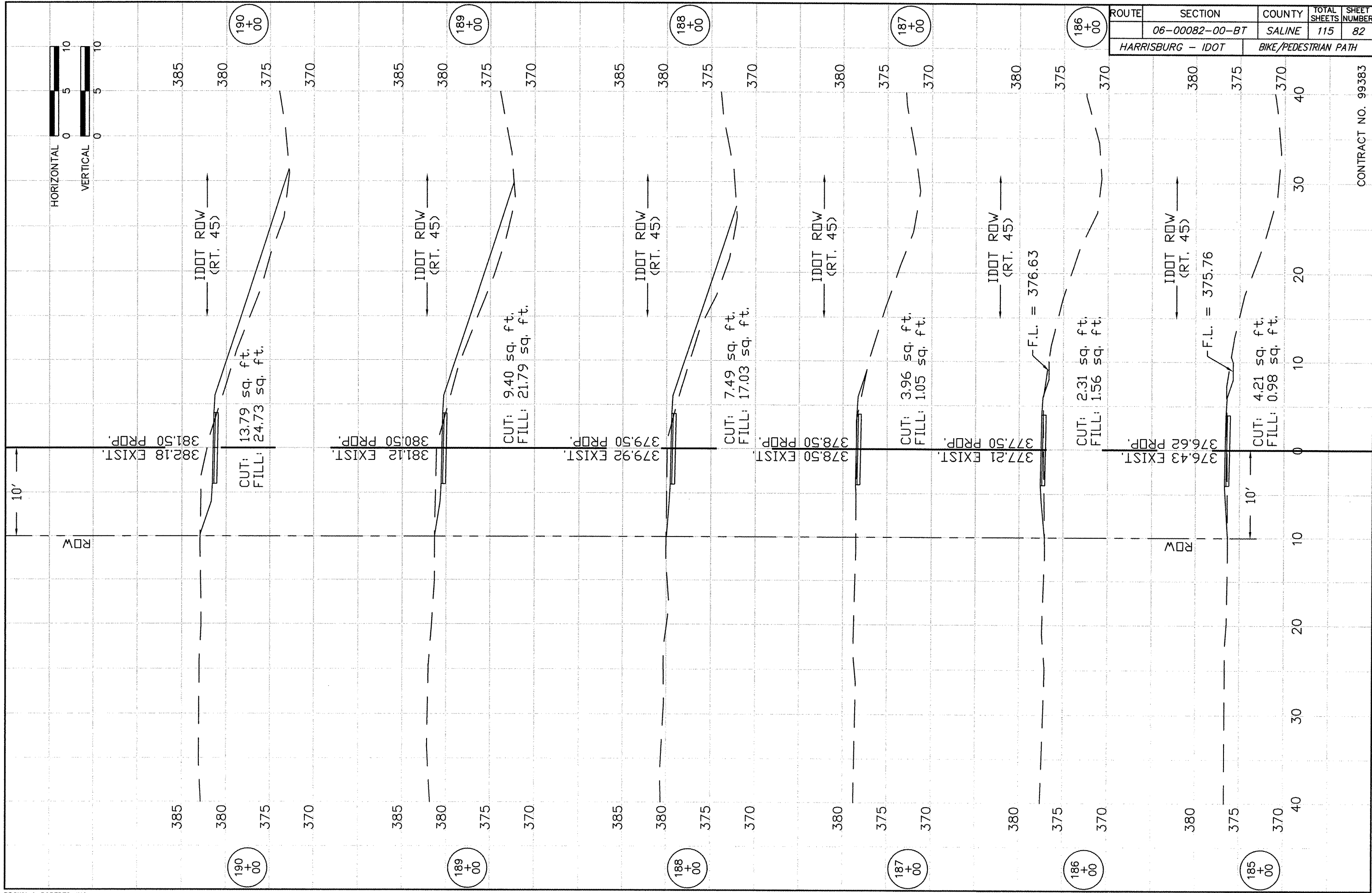
CONTRACT NO. 99383



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	81
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

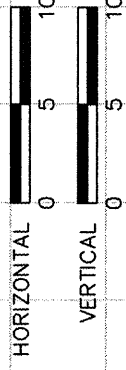
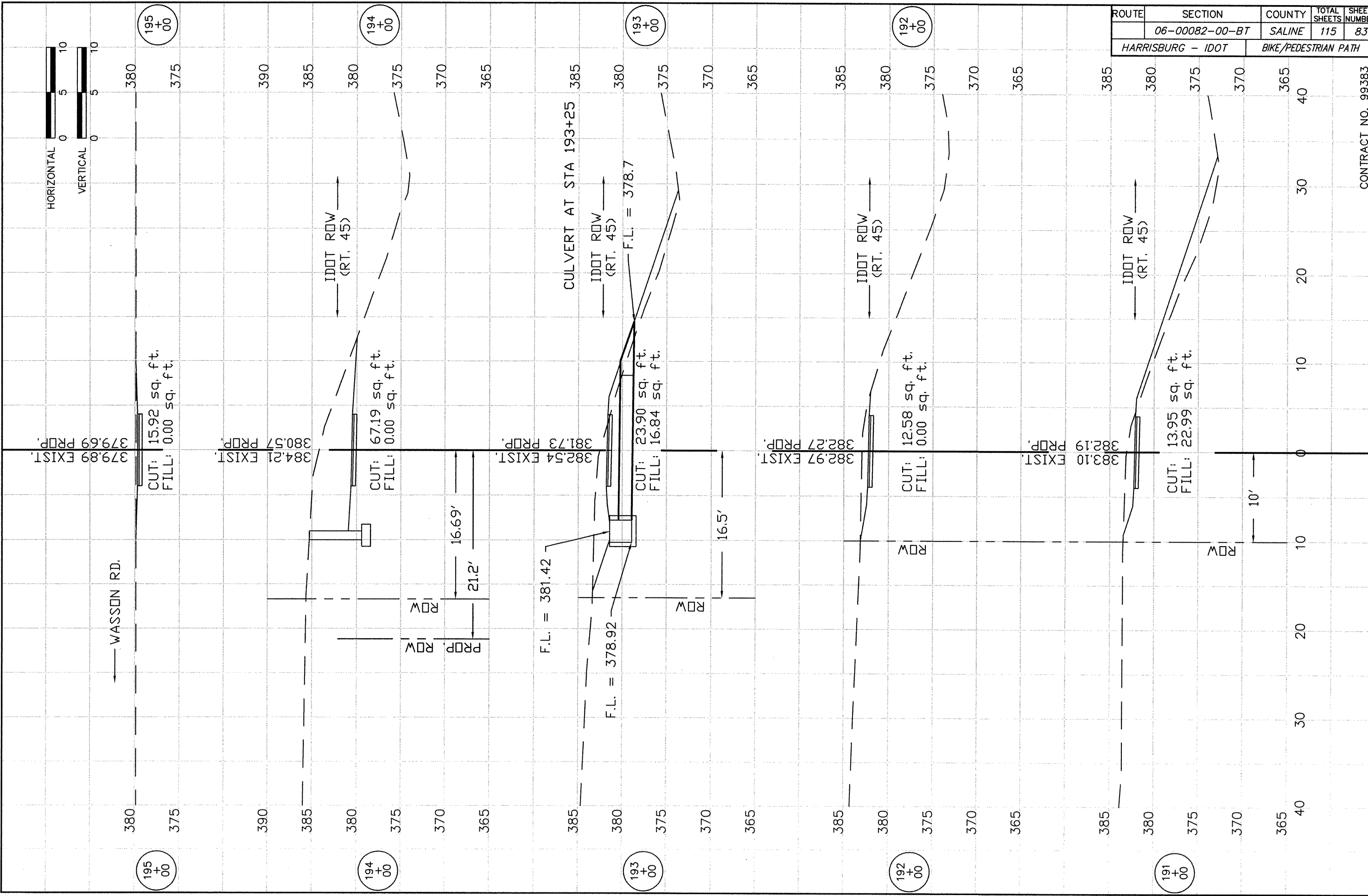


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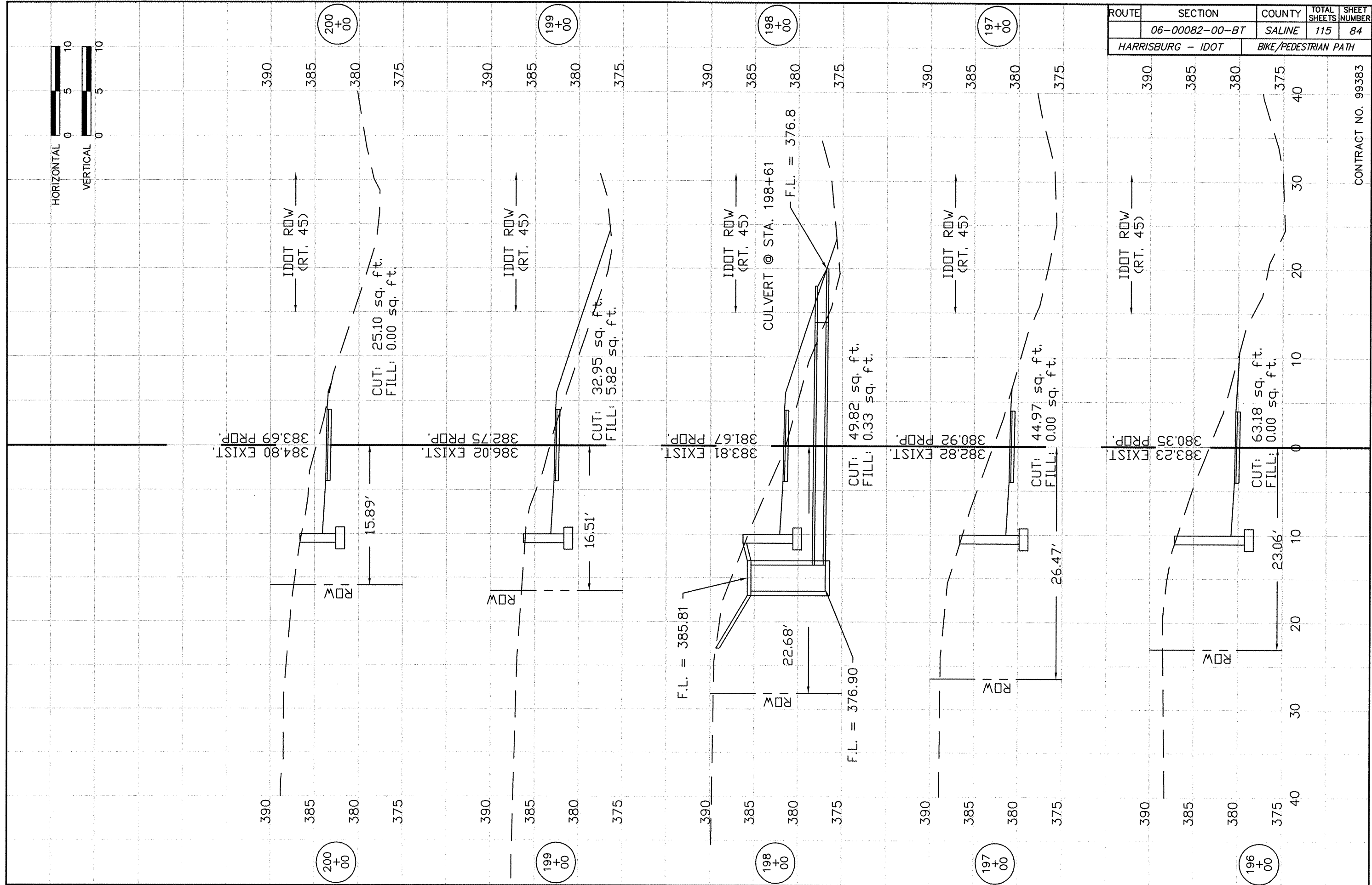
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	83
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

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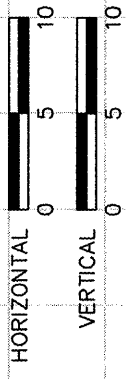
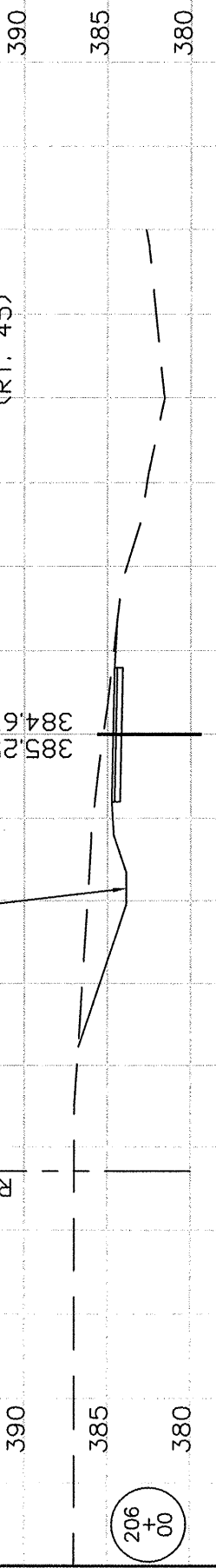
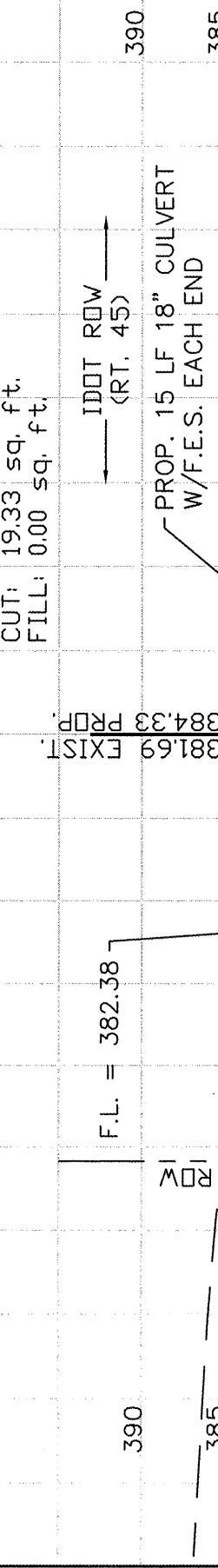
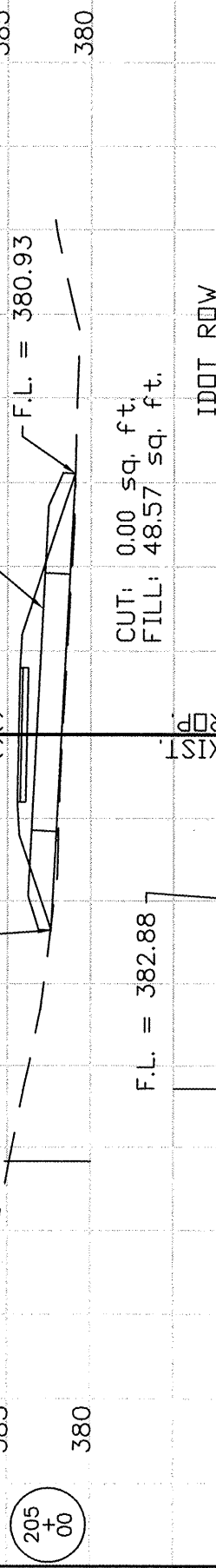
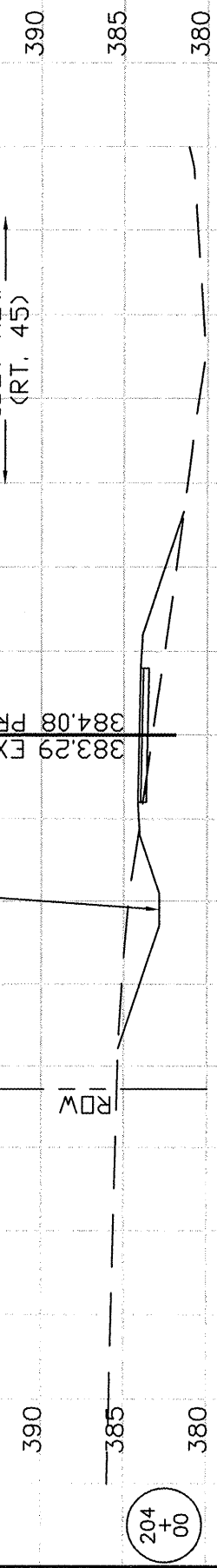
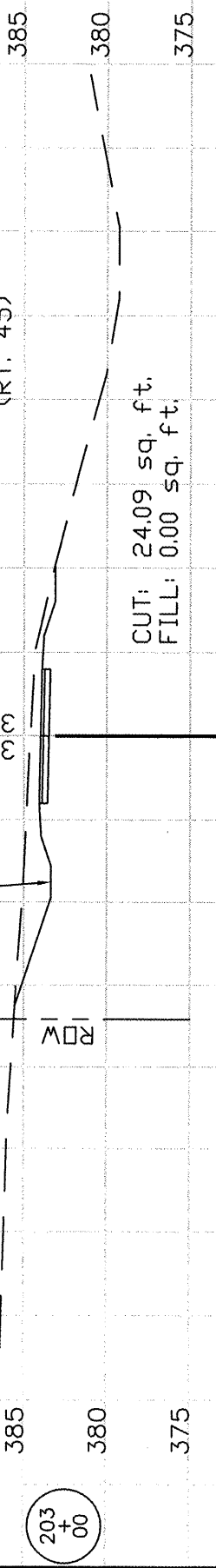
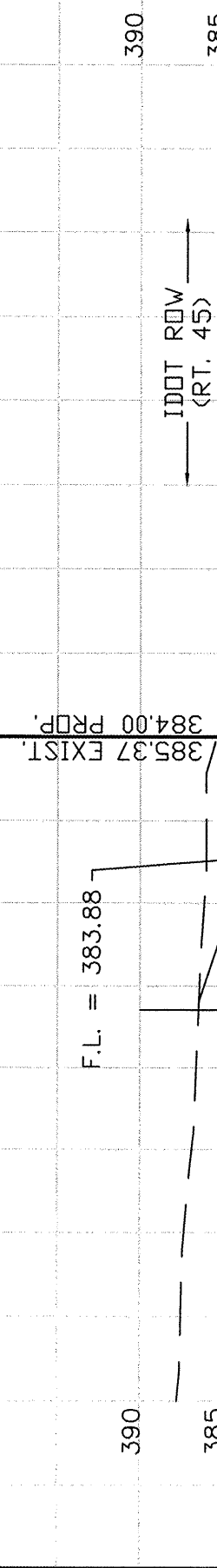
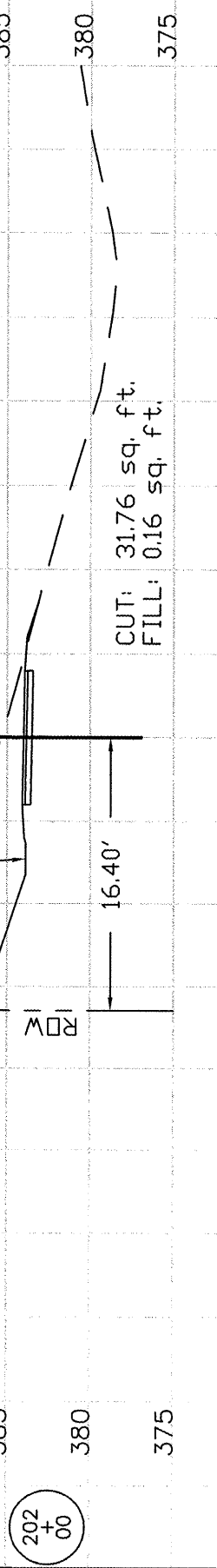
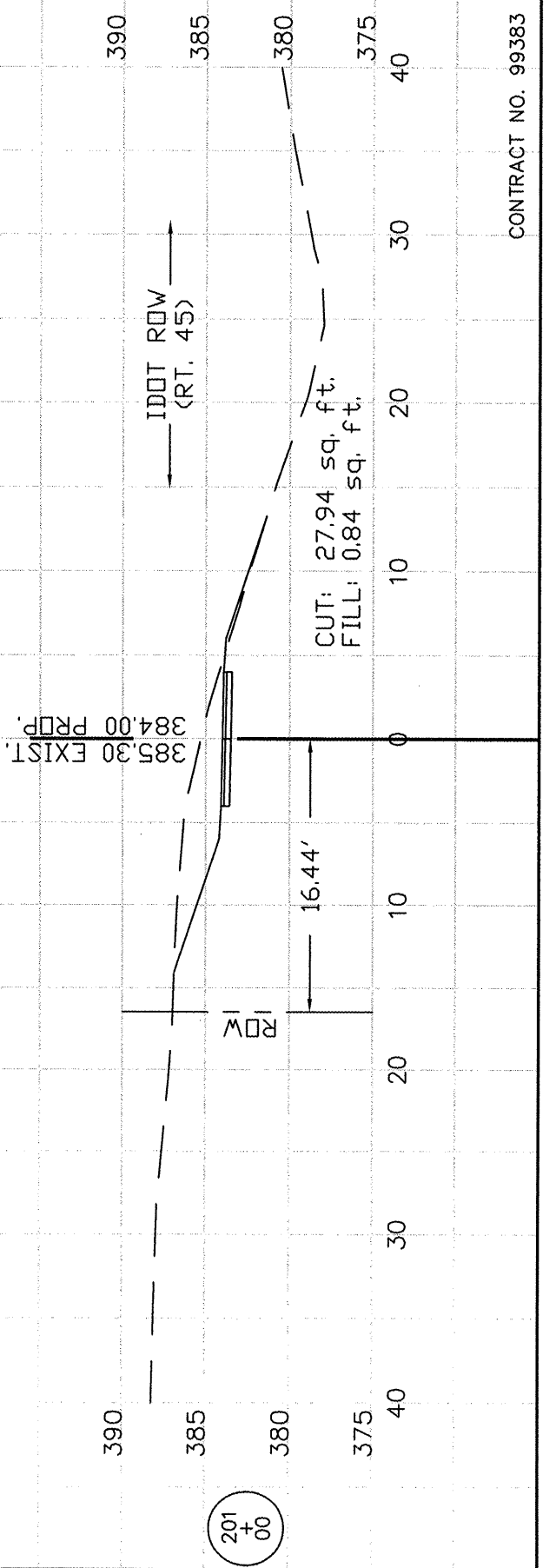


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	84
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

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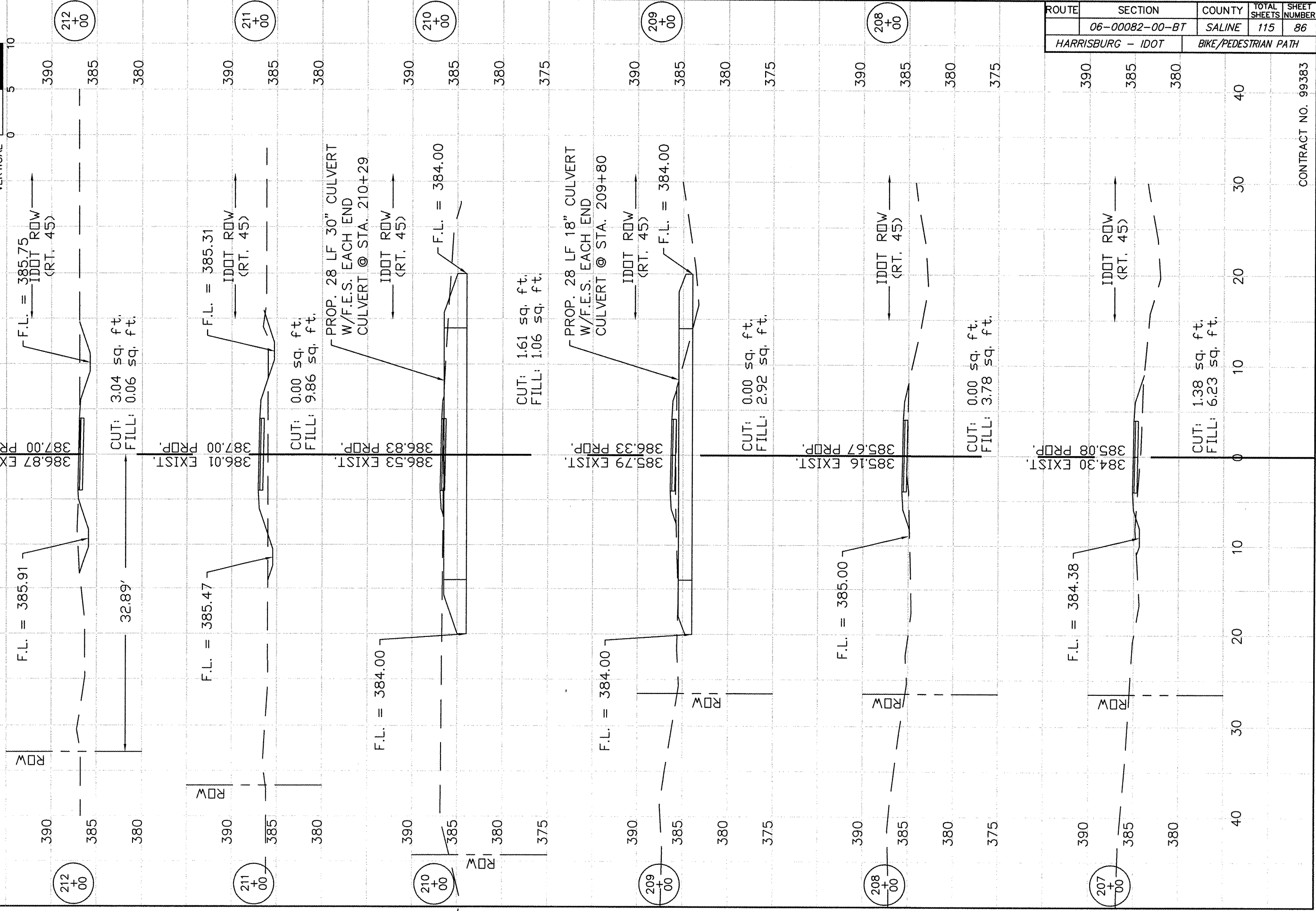
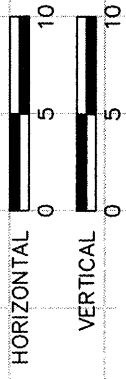


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	85
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		



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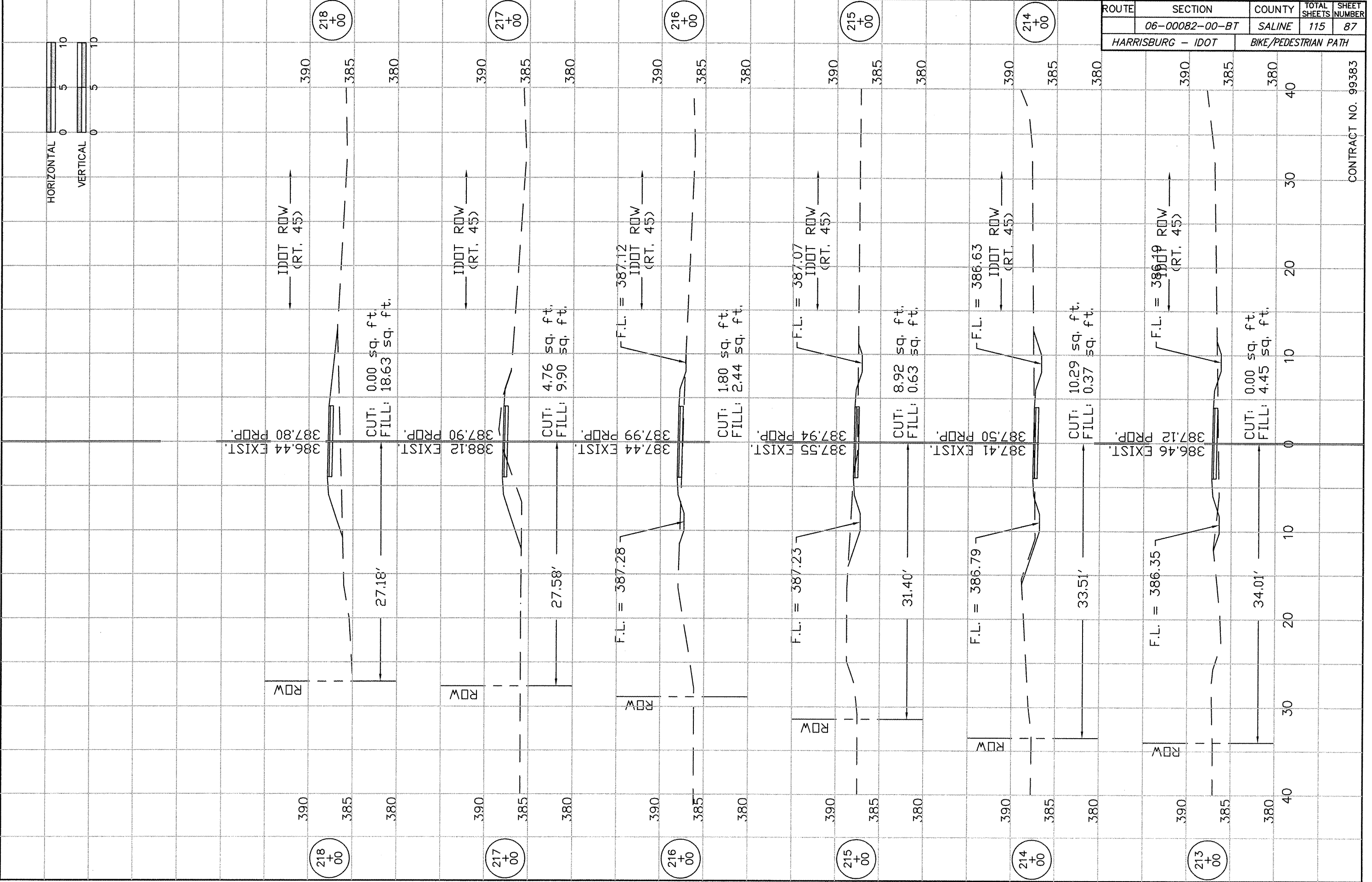
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	86
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

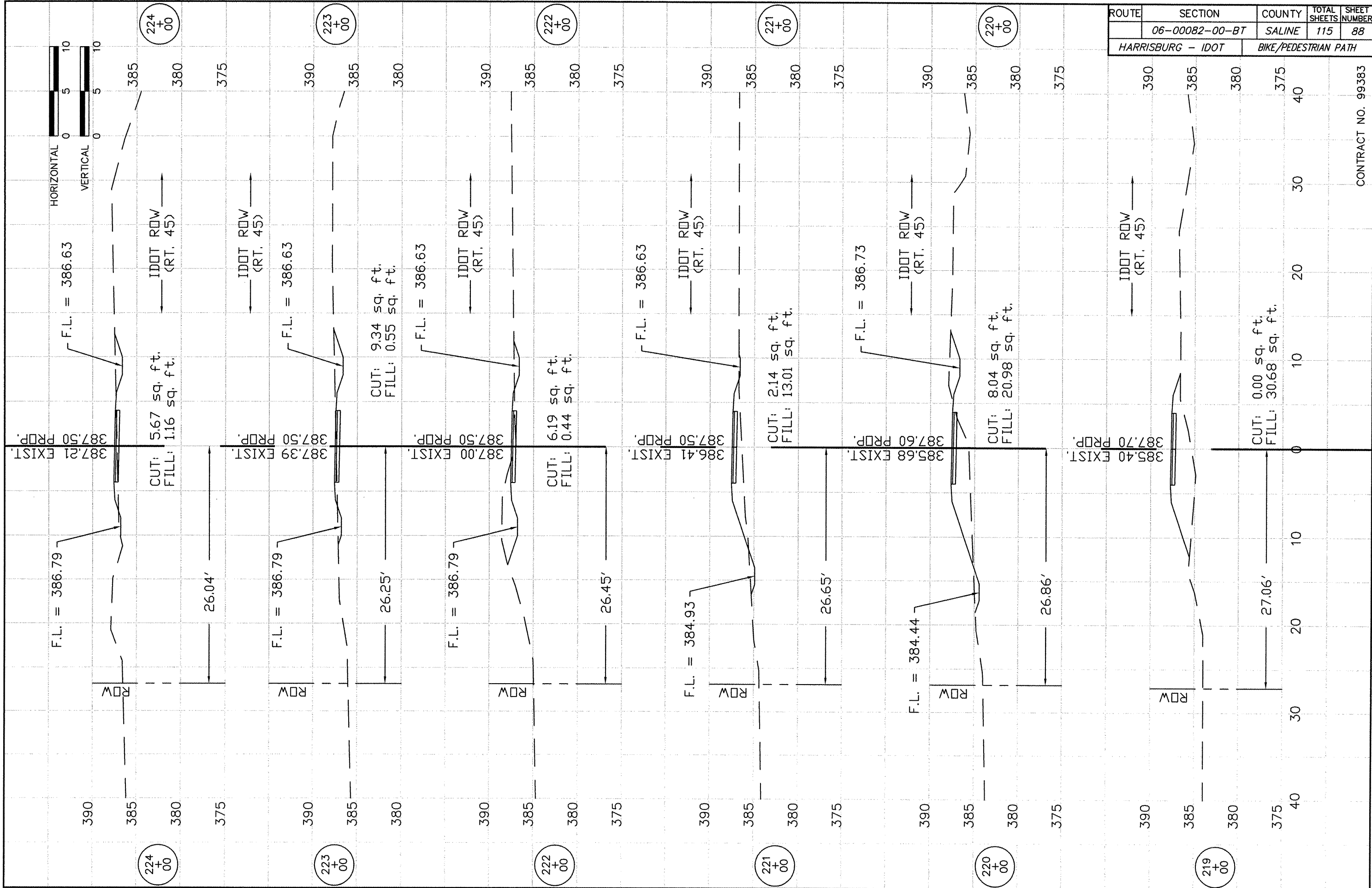


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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	87
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

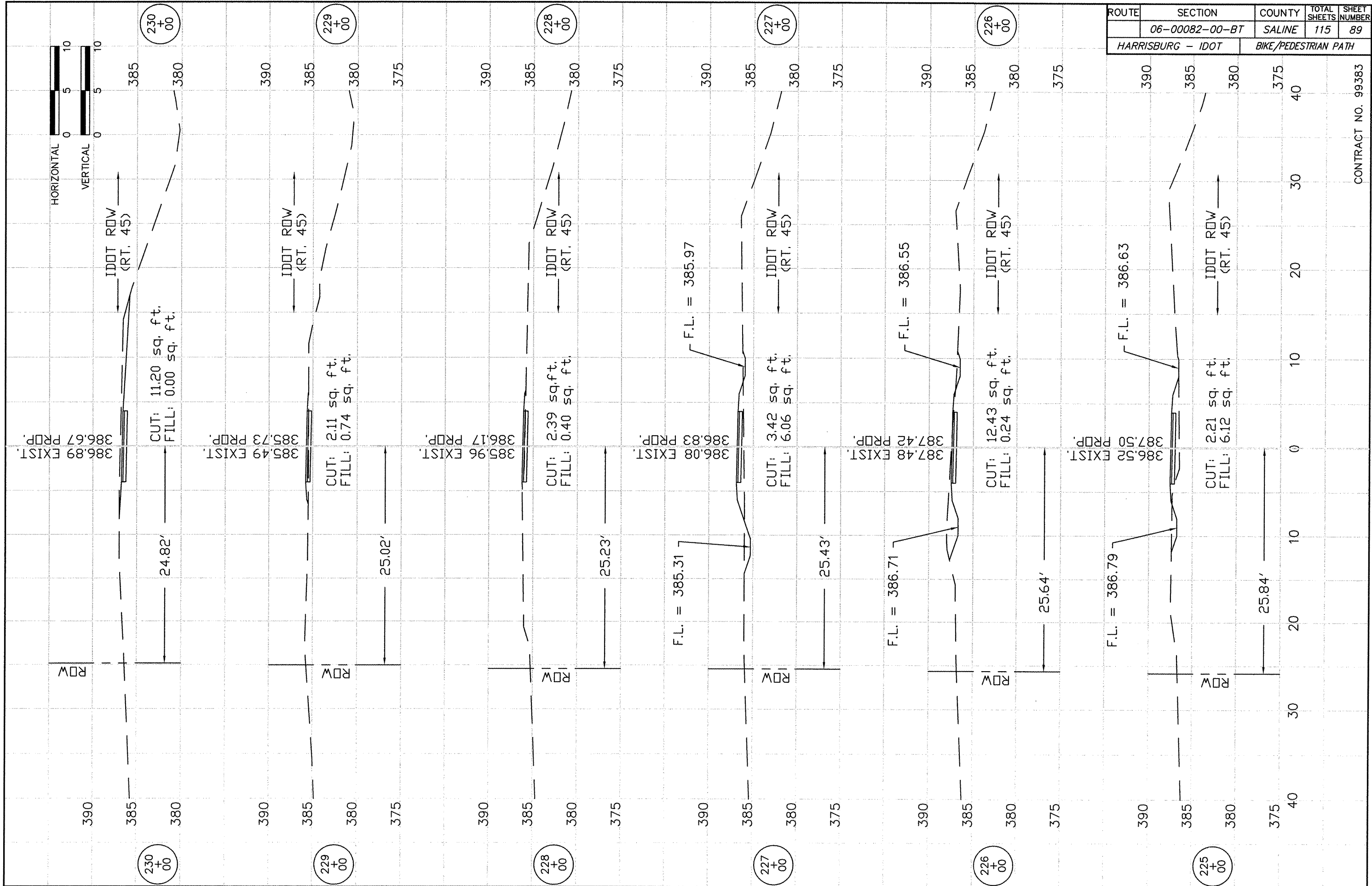
CONTRACT NO. 99383





ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	88
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

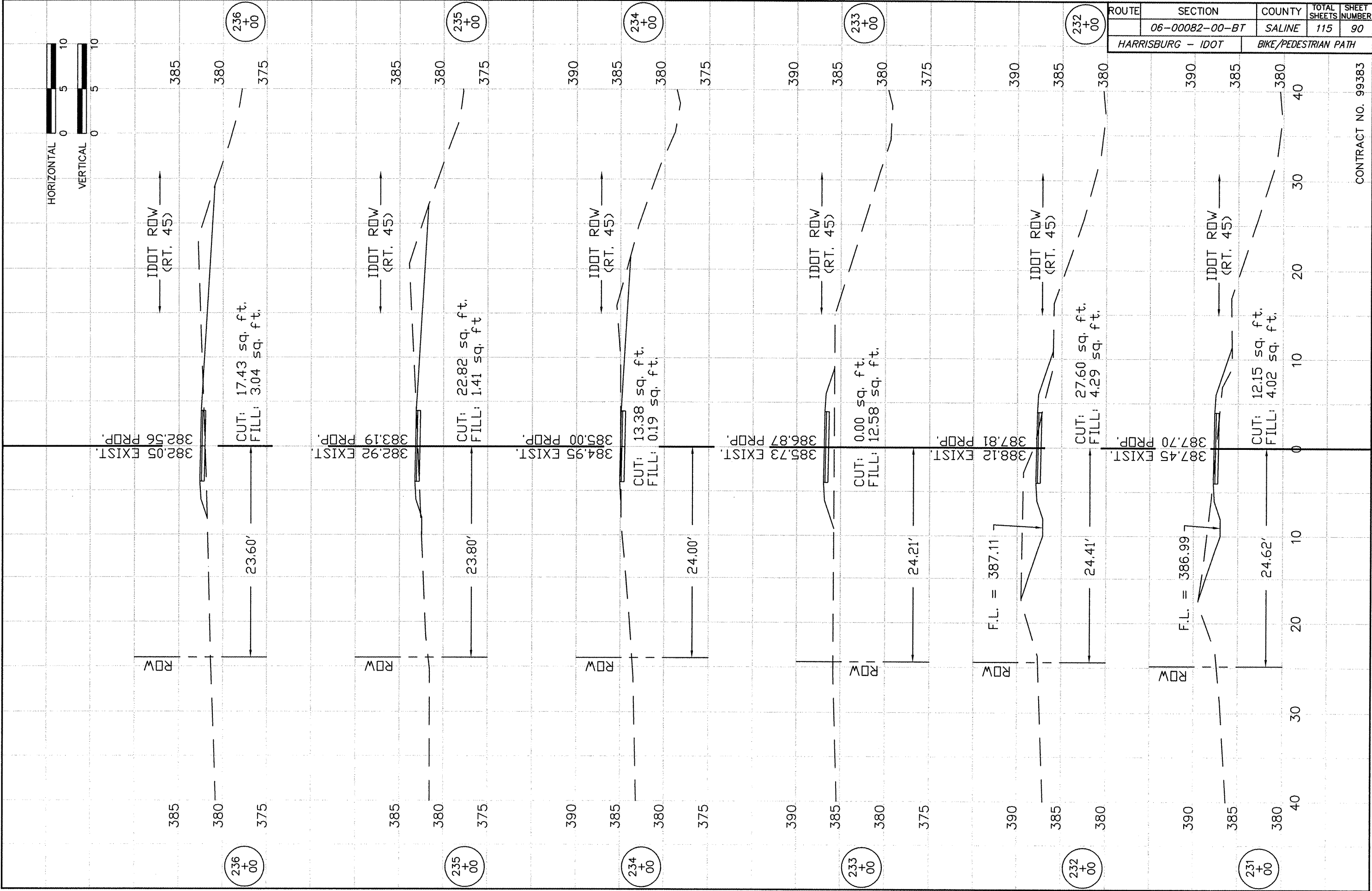
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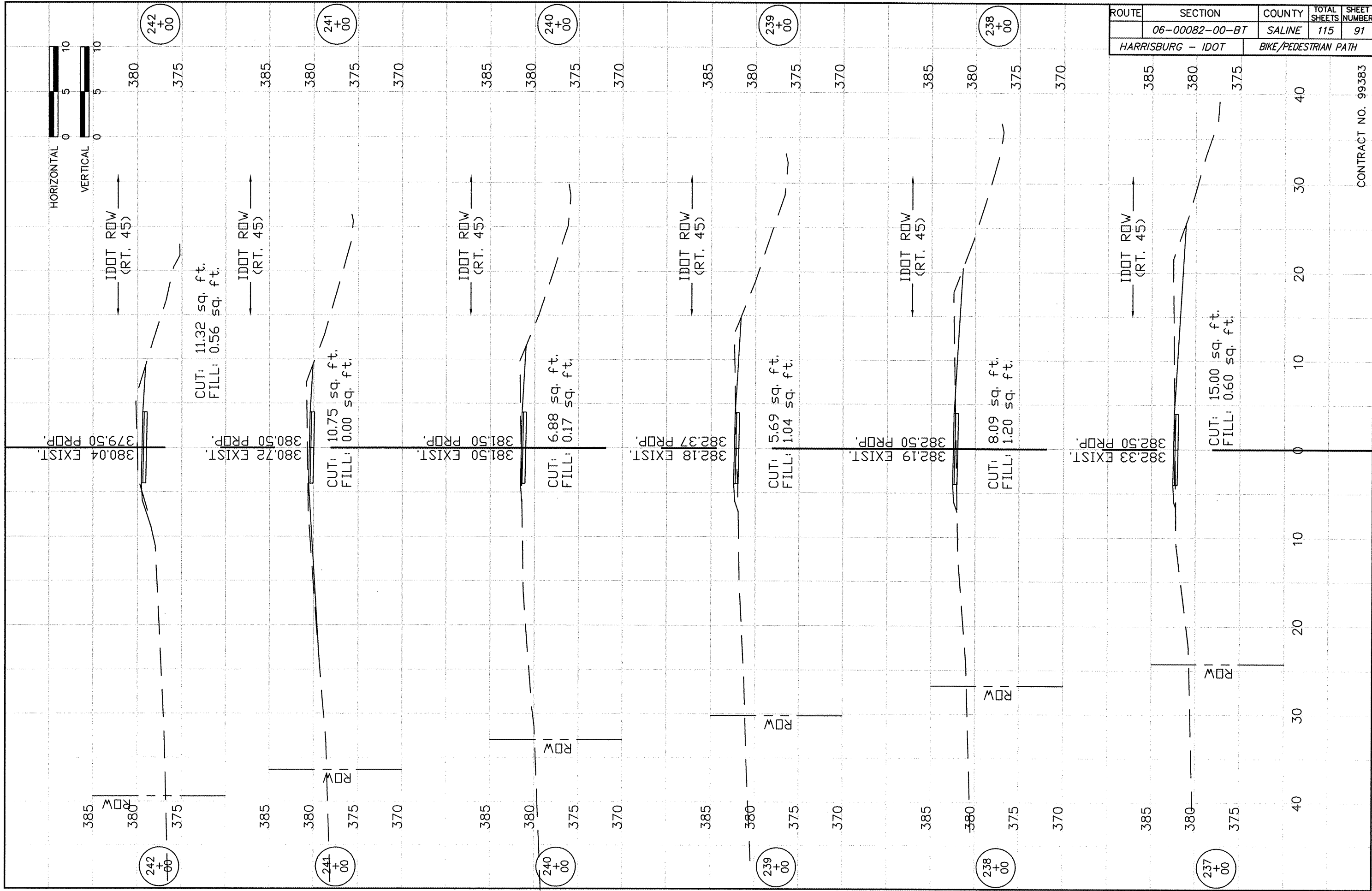


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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	90
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383

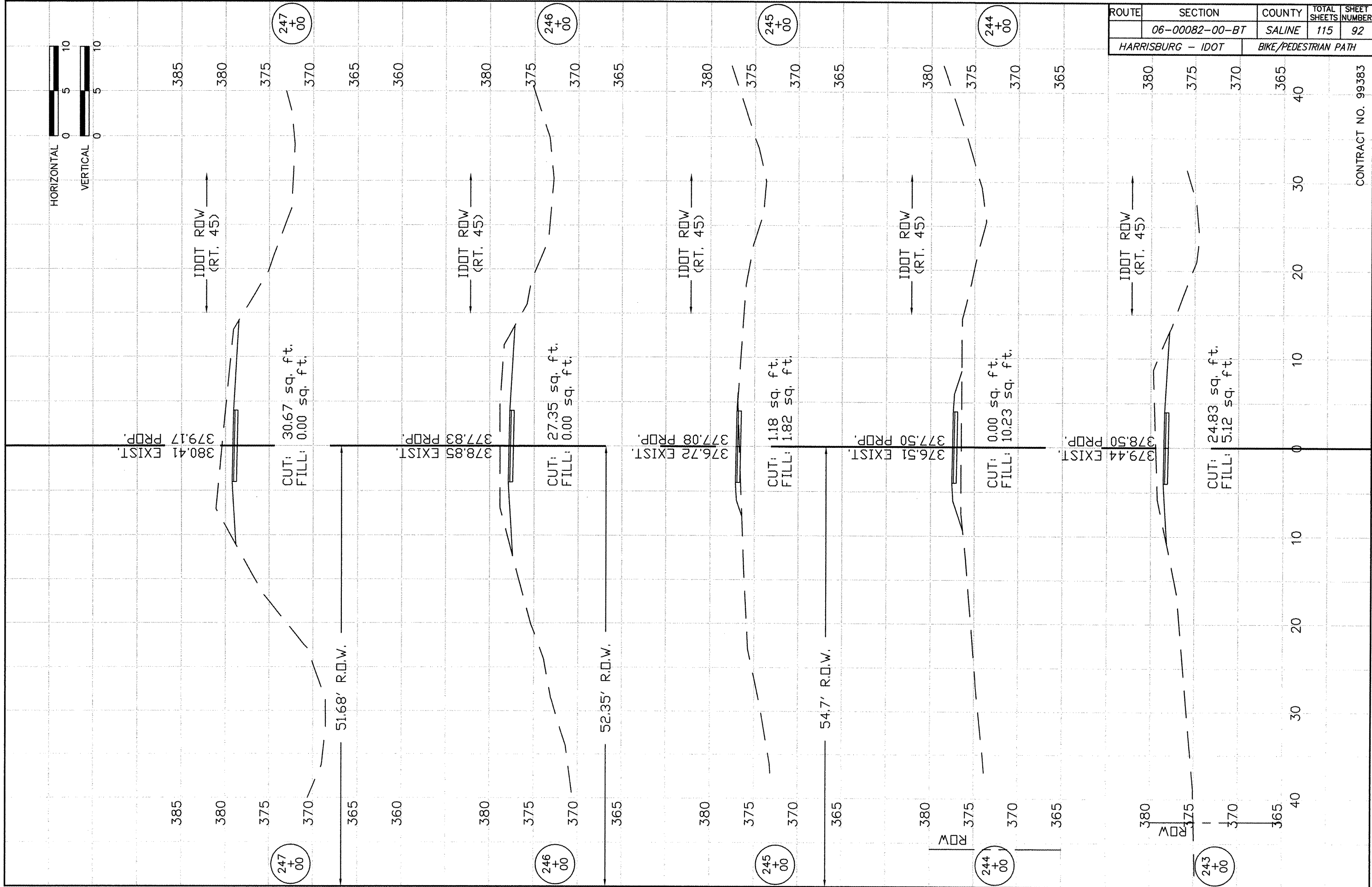




ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
HARRISBURG - IDOT	06-00082-00-BT	SALINE	115	91

BIKE/PEDESTRIAN PATH

CONTRACT NO. 99383

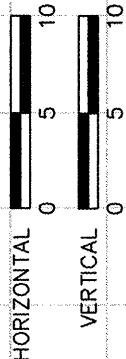
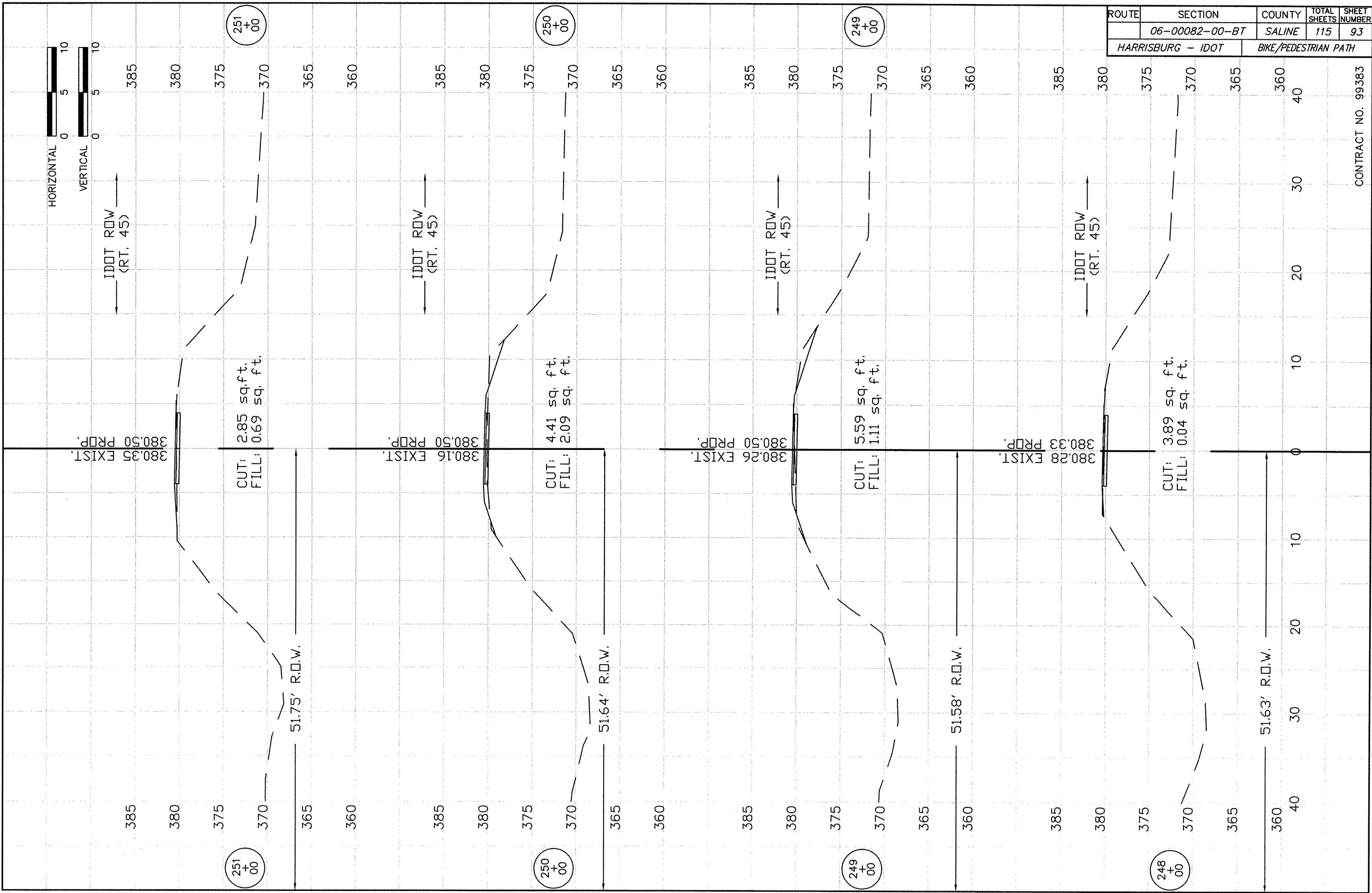


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HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

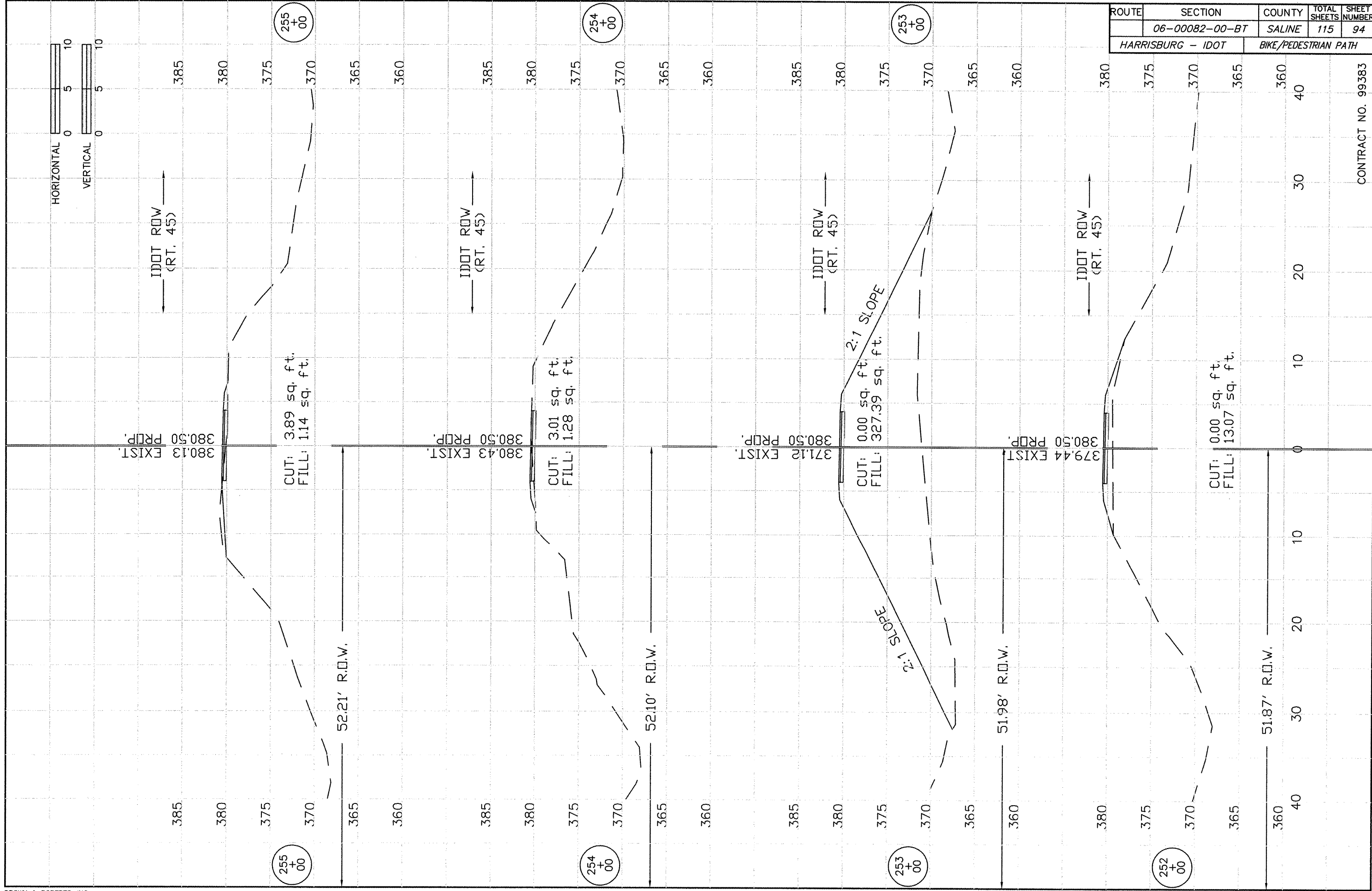
CONTRACT NO. 99383

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HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

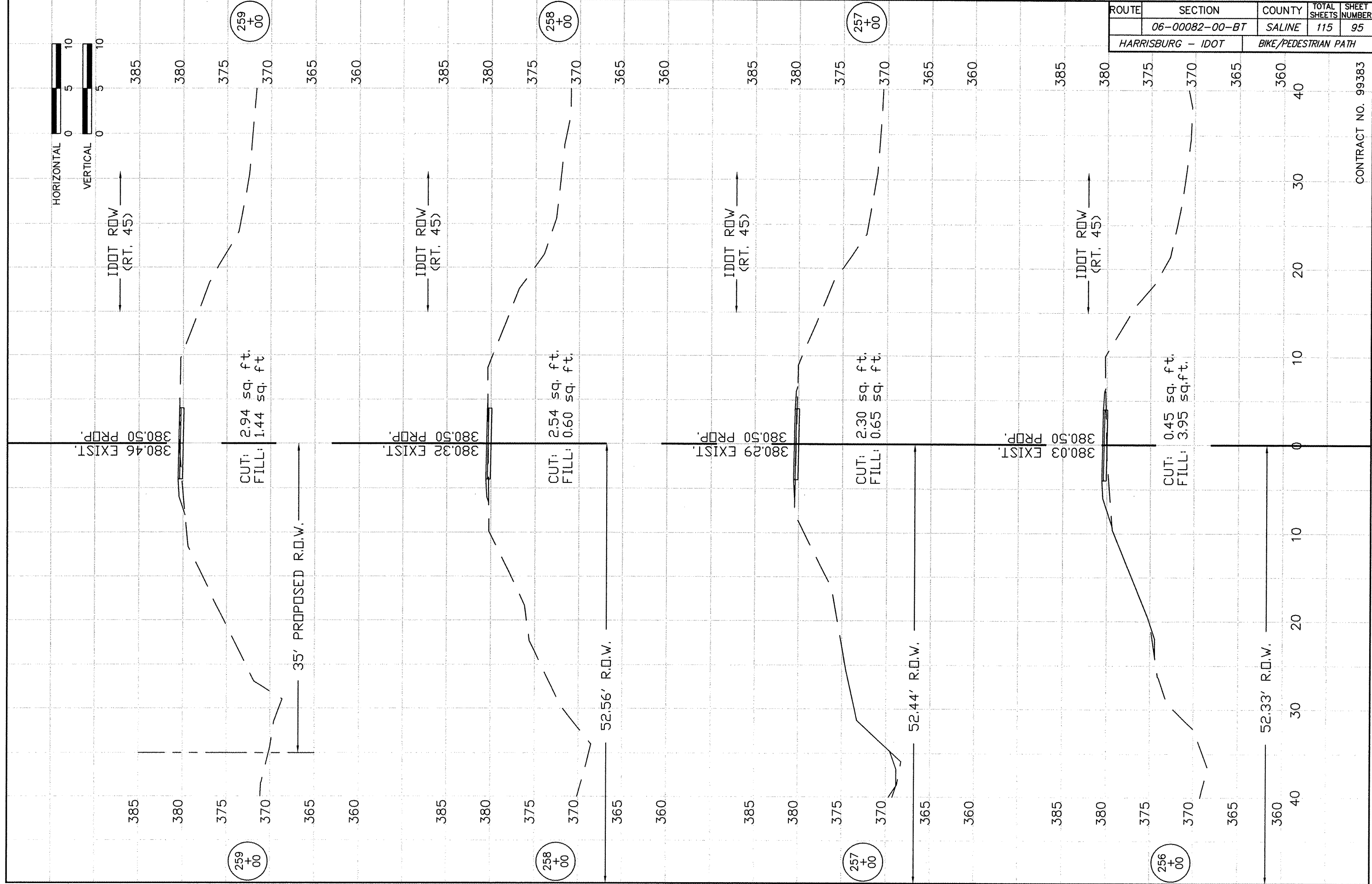
CONTRACT NO. 99383



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
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HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

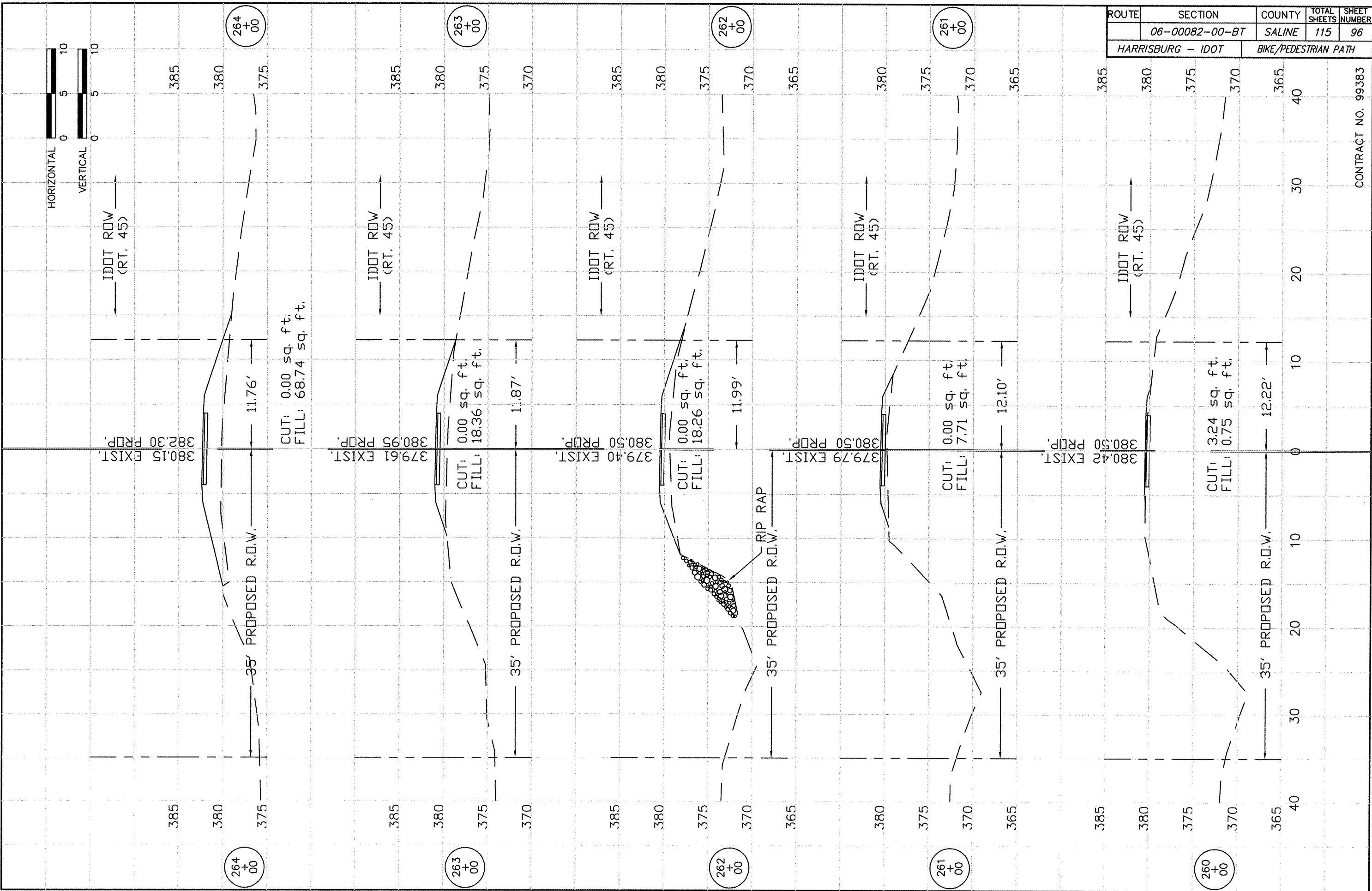


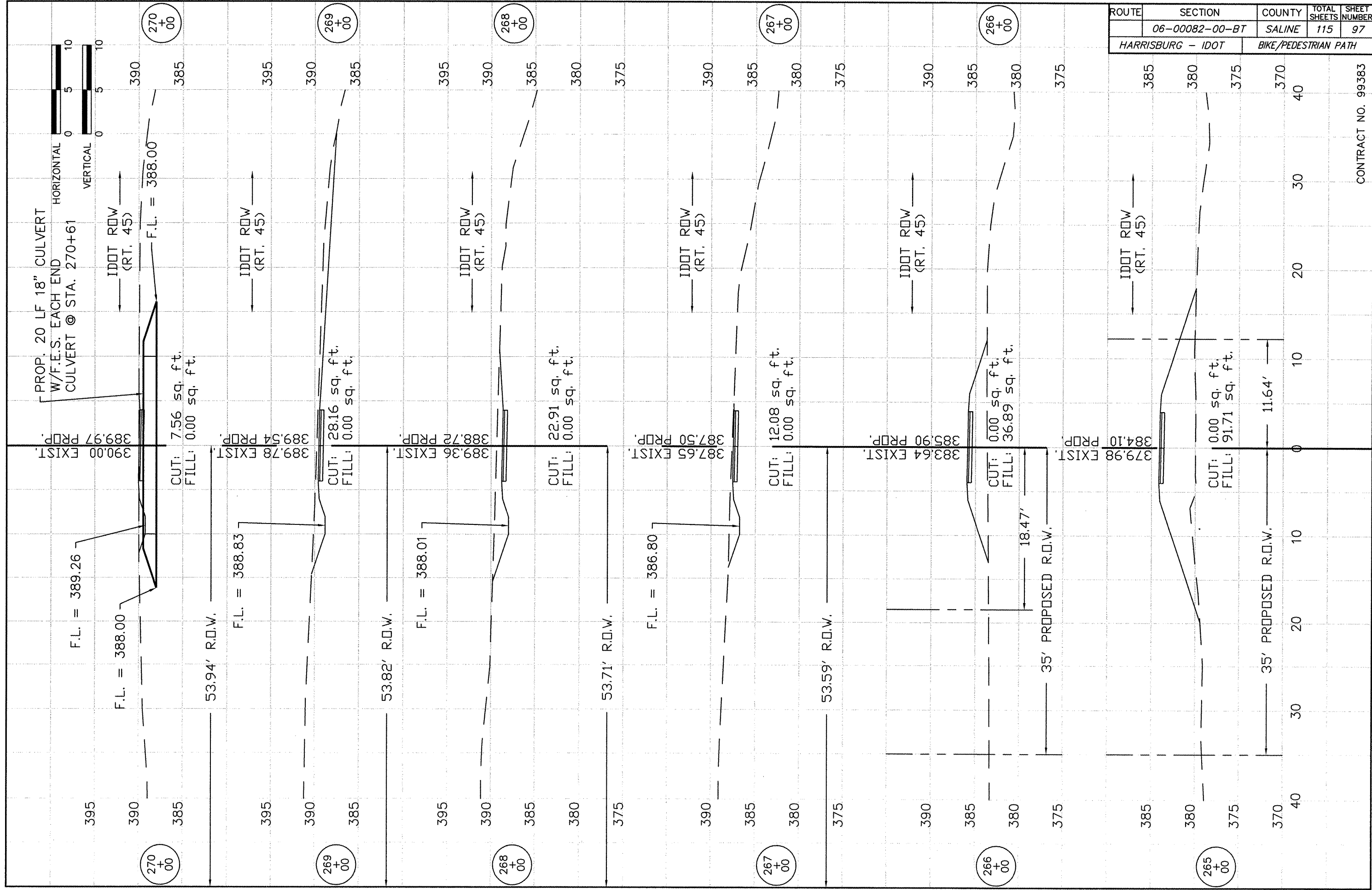
CONTRACT NO. 99383



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	96
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383





ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	97
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	06-00082-00-BT	SALINE	115	98
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

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 390
 385
 380

40
 30
 20
 10
 0

CONTRACT NO. 99383

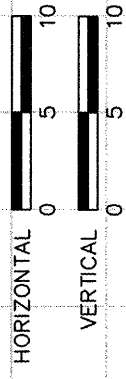
→ IDOT ROW (RT. 45) →

390.20 EXIST.
 390.20 PR.P.

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 FILL: 0.26 sq. ft.

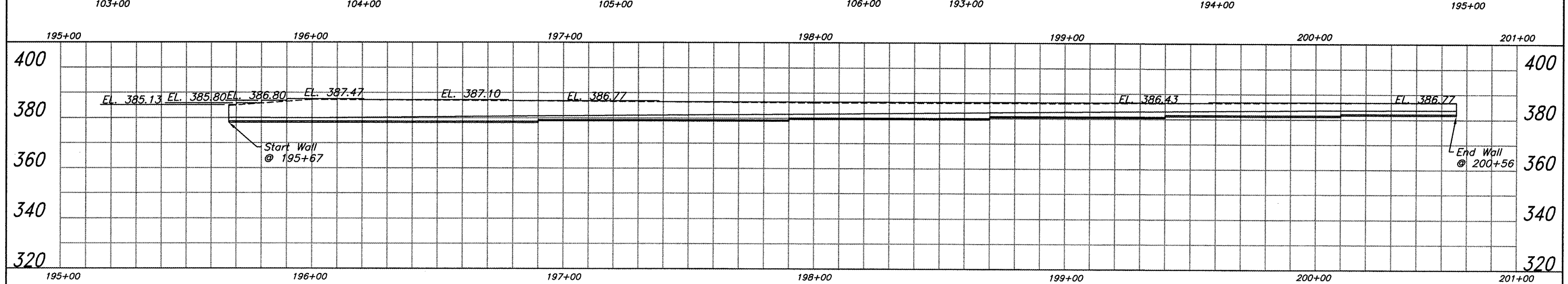
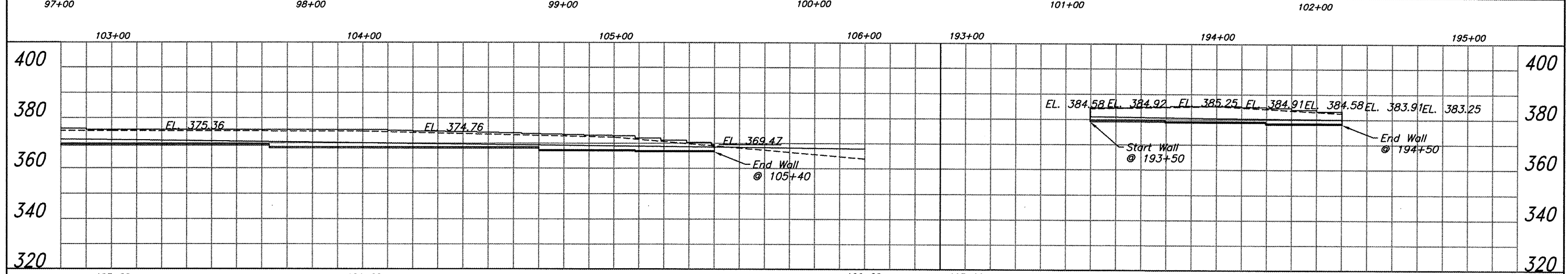
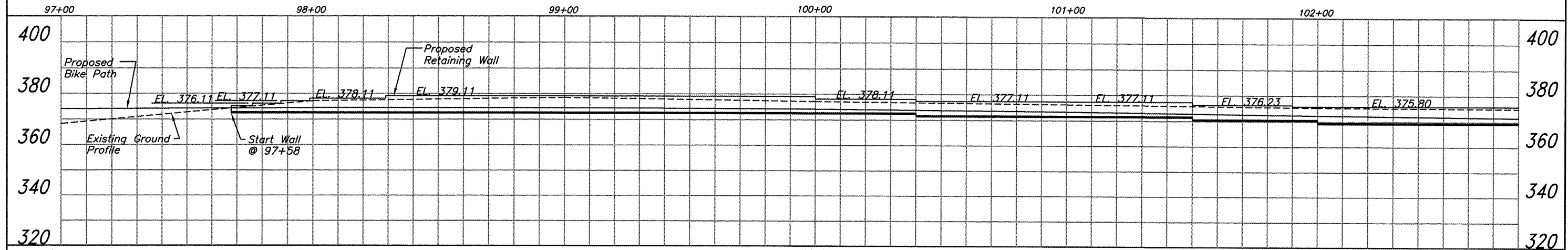
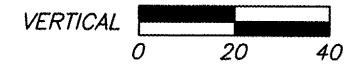
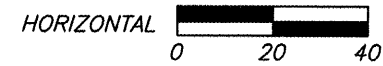
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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00082-00-BT	SALINE	115	99
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

CONTRACT NO. 99383



STORM WATER POLLUTION PREVENTION PLAN

The following Plan is established and incorporated in the project to direct the Contractor in the placement of temporary erosion control systems and to provide a storm water pollution prevention plan for compliance under NPDES.

The purpose of this plan is to minimize erosion within the construction site and to limit sediments leaving the construction site by utilizing proper temporary erosion control systems and providing ground cover within a reasonable amount of time.

Certain erosion control facilities shall be installed by the Contractor at the beginning of construction. Other items shall be installed as directed by the Engineer on a case by case situation depending on the Contractor's sequence of activities, time of year and expected weather conditions.

The Contractor shall construct permanent erosion control systems and seeding within a time frame specified herein and as directed by the Engineer, therefore minimizing the amount of area susceptible to erosion and reducing the amount of temporary seeding. The engineer will determine if any temporary erosion control systems shown in the plans can be deleted and if any additional temporary erosion control systems, which are not included in the plans, shall be added. The contractor shall perform all work as directed by the Engineer and as shown in STANDARD 280001.

Section 280, Temporary Erosion Control, of the Standard Specifications additionally supplements this plan.

DESCRIPTION OF CONSTRUCTION ACTIVITIES

1. Temporary ditch checks shall be located at every 1.5 feet of fall/rise in ditch grade.

INTENDED SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES

1. Isolated tree removal. Trees to remain will be protected against damage.
2. Watermain, Sanitary Sewers, Storm Sewers, and Drainage Structures.
3. Excavation and grading.
4. Placement of Aggregate Base Course.
5. Placement on PCC Pavement.
6. Seeding and permanent erosion control systems.

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00082-00-BT	SALINE	115	100
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

**CONTRACT NO. 99383
PROJECT # ARA-00D9(94)**

AREA OF CONSTRUCTION SITE

1. The total area of the construction site is estimated to be 20 Acres of which approximately 18 Acres will be disturbed.

OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THE SWPPP AS REFERENCED DOCUMENTS.

1. Information of the terrain was obtained from topographic maps.
2. Project plan documents, specifications and special provisions and plan drawings indicating the drainage patterns and location of existing drainage features were utilized in the preparation of the proposed placement of temporary erosion control systems.

DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF

1. Proposed storm sewer outlets are tributary to existing roadside ditches. No new discharge points will be constructed.

CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROLS

1. Existing vegetation will be preserved where attainable and disturbed portions of the site will be stabilized. Stabilization practices will include temporary seeding, permanent seeding, mulching, protection of trees, preservation of mature vegetation and other appropriate measures as directed by the Engineer. Stabilization measures shall be initiated as soon as practical in those areas of the site where construction activities have ceased, but in no case more than 7 days after the construction activity for an area has temporarily or permanently ceased.
2. Areas outside the construction limits shall be protected from construction activities.
3. Dead, diseased or unsuitable vegetation within the site shall be removed as directed by the Engineer.
4. As soon as is reasonable, the temporary erosion control system shall be installed as indicated in the plans or as directed by the engineer.

This plan has been prepared with the intent to comply with the provisions of the NPDES Permit Number ILR10, issued by the Illinois Environmental Protection Agency for storm water discharges from construction site activities.

I certify under penalty of law that this plan was prepared at my direction in accordance with a system that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.


Valerie Rose Mitchell, Mayor, City of Harrisburg Nov. 20, 2009

DESCRIPTION OF STABILIZATION PRACTICES
DURING CONSTRUCTION

1. During construction, areas outside the construction limits shall be protected.
2. Within the construction limits, areas which may be susceptible to erosion as determined by the Engineer shall remain undisturbed until full scale construction is underway.
3. Earth stockpiles shall be temporary seeded if they are to remain unused for more than 14 days.
4. As soon as construction proceeds, the contractor shall institute the following as directed by the Engineer:
 - A) Place temporary erosion control facilities at locations shown in the plans.
 - B) Temporarily seed erodable bare earth on a weekly basis to minimize the amount of erodable surface area within the contract limits.
 - C) Construct roadside ditches and provide temporary erosion control systems.
 - D) Temporarily divert water around proposed culvert locations.
5. Excavated areas shall be permanently seeded immediately after final grading. If not, they shall be temporarily seeded if no construction in the area is planned for 7 days.
6. All necessary measures shall be taken by the contractor to contain any fuel or pollutant in accordance with EPA water quality regulations. Leaking equipment or supplies shall be immediately repaired or removed from the site.
7. The Resident Engineer shall inspect the project daily during construction activities. Inspection shall also be done weekly and after rains of 0.5 inches or greater or equivalent snowfall and during any winter shutdown period.
8. Sediment collected during the construction by the various temporary erosion control systems shall be disposed of on site on a regular basis as directed by the Resident Engineer. The cost of this maintenance shall be considered incidental to the erosion control system.
9. The temporary erosion control systems shall be removed as directed by the Engineer after use is no longer needed or no longer functioning. The cost of removal shall be included in the unit bid price for various temporary erosion control pay items.

DESCRIPTION OF STRUCTURAL PRACTICES
AFTER FINAL GRADING

1. Temporary seeding shall be left in place with proper maintenance until permanent erosion control and all proposed turf areas seeded and established.
2. Once permanent erosion control systems as proposed in the plans are functional and established, temporary items shall be removed, cleaned up and disturbed turf areas reseeded.

MAINTENANCE AFTER CONSTRUCTION

1. Construction is complete after FINAL acceptance by I.D.O.T. final inspection. Maintenance up to this date will be by the contractor.

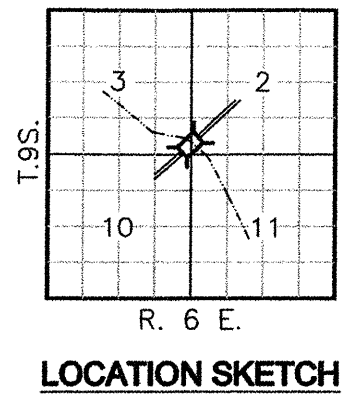
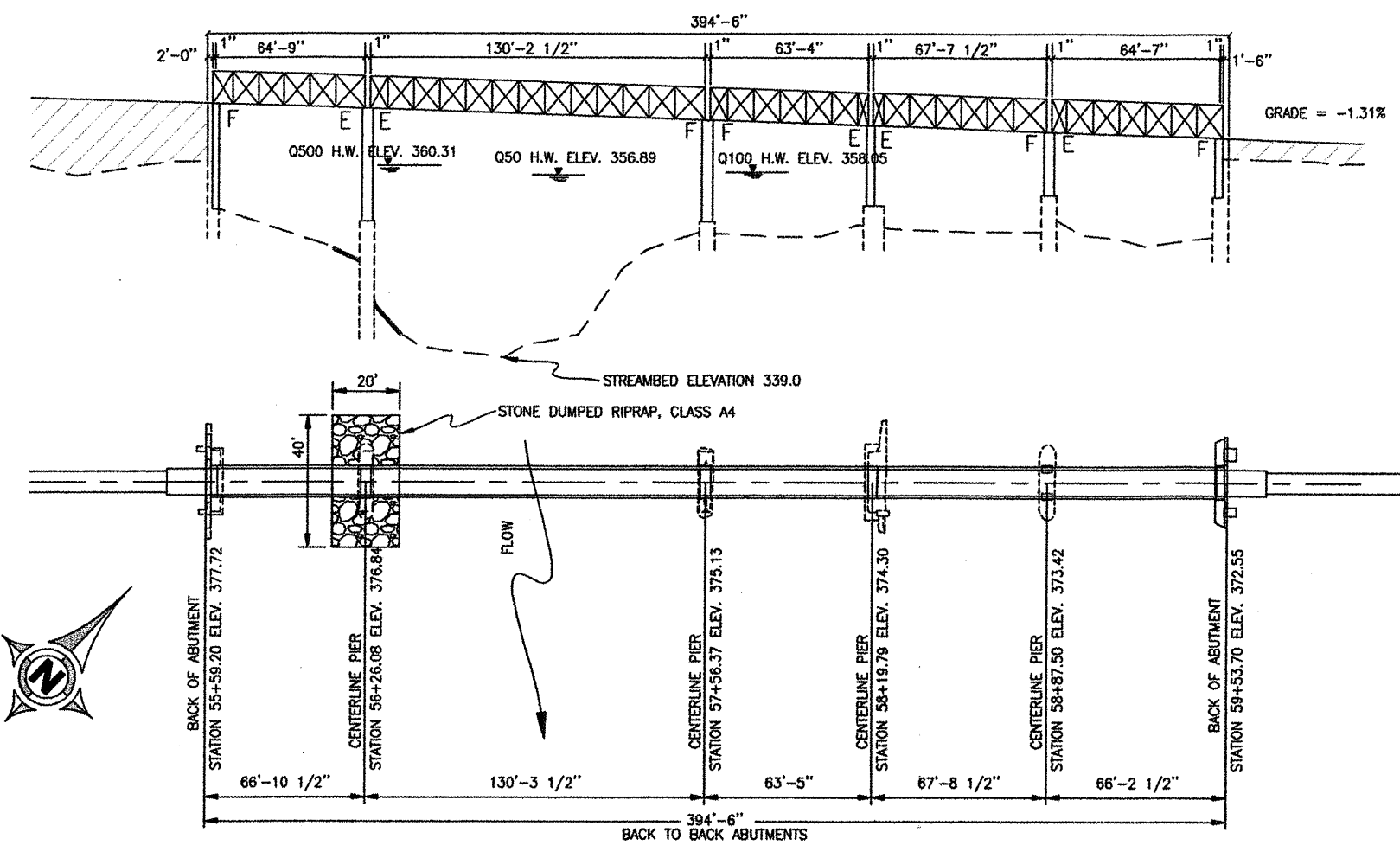
MISCELLANEOUS

1. Temporary ditch checks shall be located at every 1.5 feet of fall/rise in ditch grade.
2. Temporary erosion control seeding shall be applied at the rate of 100 lbs/acre.
3. Straw bales, hay bales, perimeter erosion control barrier and silt fences will not be permitted for temporary or permanent ditch checks. Ditch checks shall be composed of aggregate, silt panels, rolled excelsior, urethane foam geotextile (silt wedges) and/or other material approved by the erosion and sediment control coordinator.
4. All erosion control products furnished shall be specifically recommended by the manufacturer for the use specified in the erosion control plan. Prior to the approval and use of the product, the contractor shall submit to the Engineer a notarized certification by the producer stating the intended use of the product and the physical properties required for this application are met or exceeded. The contractor shall provide manufacturer installation procedures to facilitate the Engineer in construction inspection.
5. All items shall be constructed as shown on STANDARD 280001 and as directed by the Engineer. Maintenance and cleaning of erosion control items shall be considered part of the respective erosion control pay item.

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00082-00-BT	SALINE	115	101
HARRISBURG - IDOT		BIKE/PEDESTRIAN PATH		

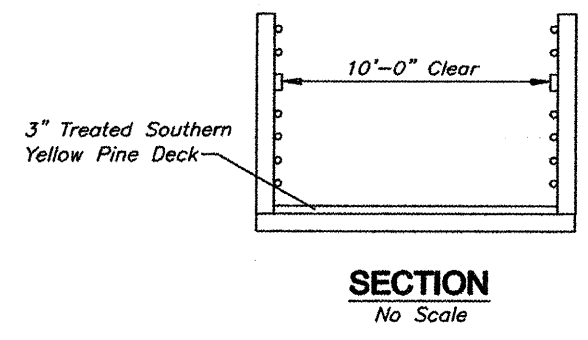
CONTRACT NO. 99383
PROJECT # ARA-00D9(94)

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00082-00-BT	SALINE	115	102
HARRISBURG - ELDORADO BIKE PATH				
CONTRACT 99383				



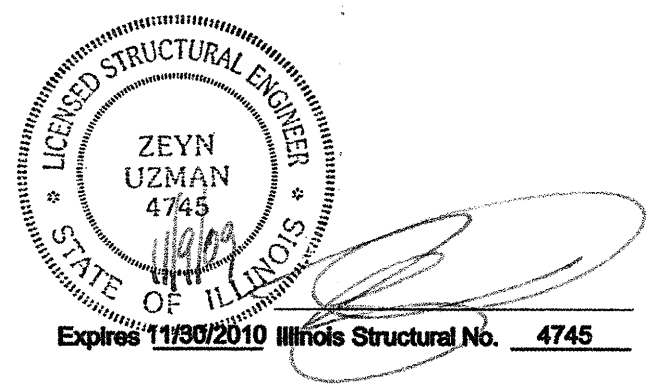
GENERAL NOTES

- All materials and construction shall conform to the latest edition of Illinois Department of Transportation Specifications for Road and Bridge Construction, Jan. 1, 2007.
 - Design Specifications: AASHTO Guide Specifications for Pedestrian Bridges
 - Bridge Dead Load = 60 psf
 - Bridge Live Load = 85 psf
 - Seismic Performance Category (SPC): B
 - Bedrock Acceleration Coefficient (A): 0.159
 - Site Coefficient (S): 1.2
- Design Stresses:
 Steel: $F_y = 50\text{ksi}$
 Concrete: $f'_c = 4,000\text{ psi}$



BILL OF MATERIAL

Item	Unit	Super	Sub.		Total
			Piers	Abuts.	
Concrete Structures	Cu Yd		94.2	56.5	150.7
Reinforcement Bars	Pound		6020	4740	10,760
Pedestrian Truss Superstructure	Sq. Ft.				3905
Name Plates	Each			1	1
Stone Dumped Riprap, Class A4	Ton			50	50
Concrete Removal	Cu Yd		7.3	2.2	9.5



STATION 56+75
 MIDDLE FORK SALINE RIVER
 SECTION 06-00082-00-BT
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 BUILT 2010

LETTERING FOR NAME PLATE
 Locate Name Plate at SOUTHWEST
 Corner of Bridge

WATERWAY INFORMATION

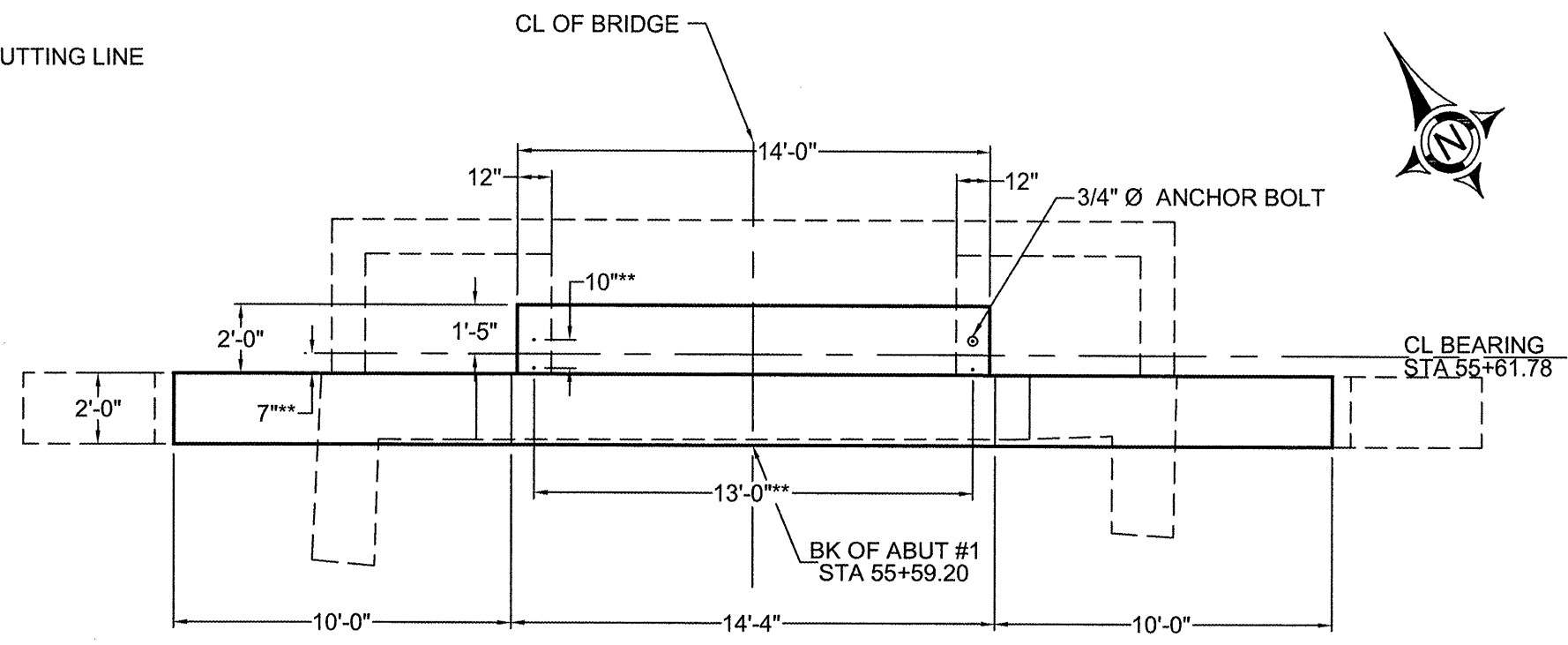
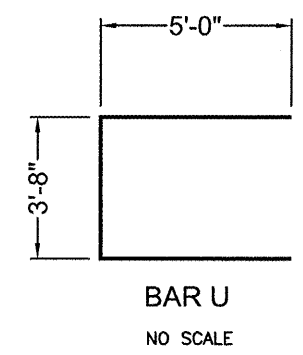
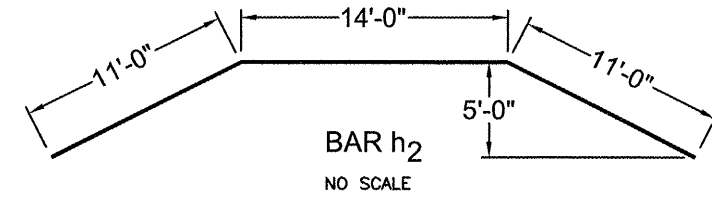
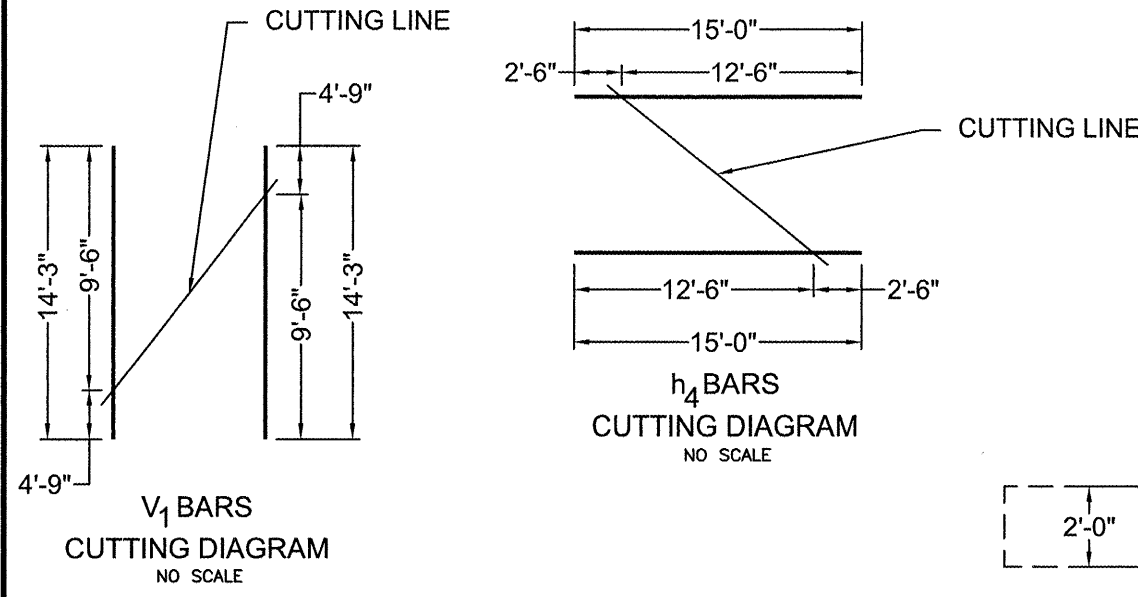
Drainage Area = 194 Sq. Mi. Low Grade Elev. = 370.0

Flood	Freq. (year)	Q (cfs)	Opening (sq ft)		Natural HWE	Head (ft)		Headwater Elev	
			Exist	Prop		Exist	Prop	Exist	Prop
Design	50	12,600	1432	1432	356.89	0.47	0.47	357.36	357.36
Base	100	14,400	1638	1638	358.05	0.50	0.50	358.55	358.55
Base	500	18,900	2330	2330	360.31	0.48	0.48	360.79	360.79

GENERAL PLAN AND ELEVATION

**PEDESTRIAN BRIDGE
 OVER MF SALINE RIVER**

**CITY OF HARRISBURG
 STRUCTURE # 1
 STATION 56+75**

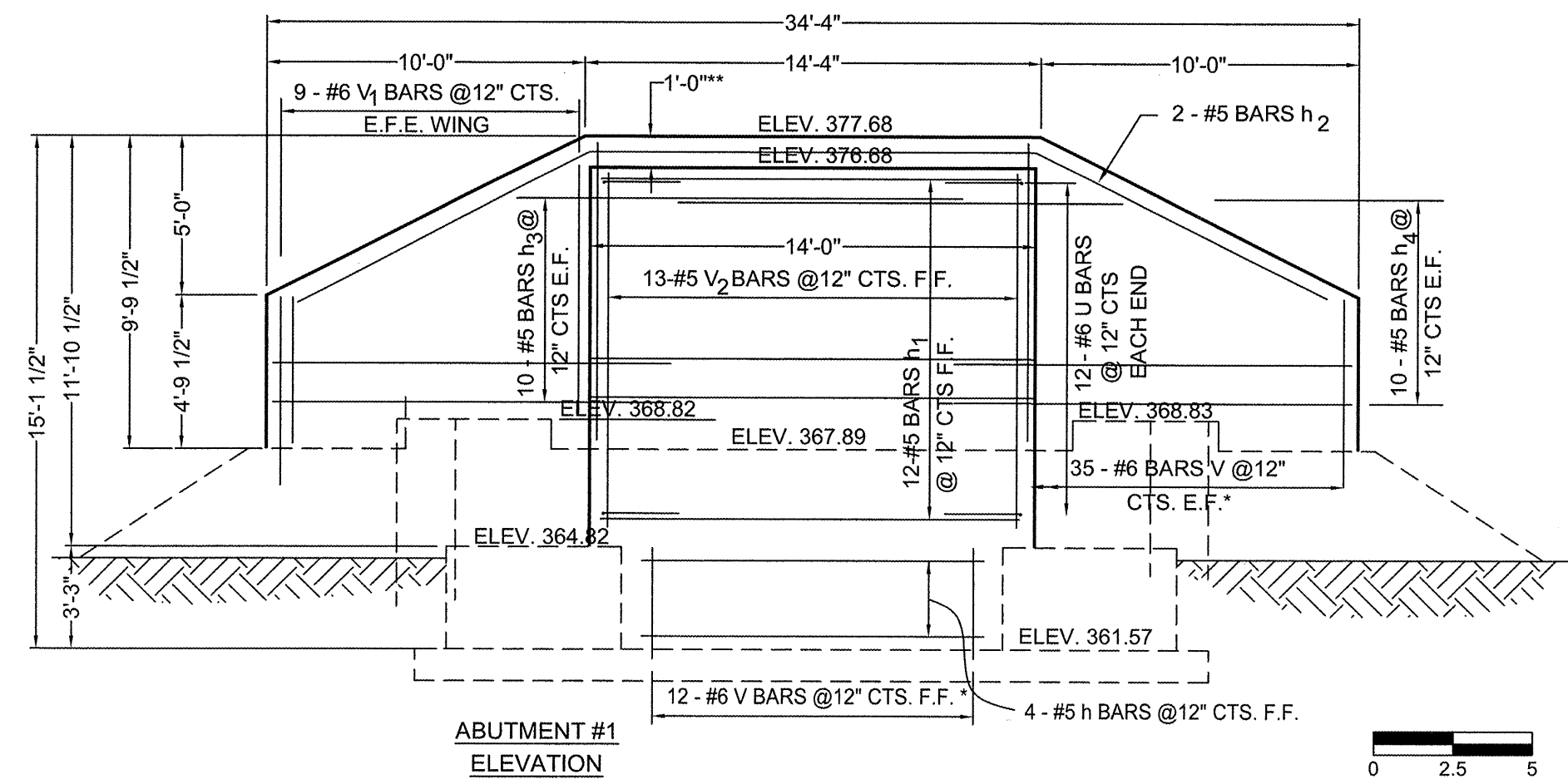


ABUTMENT #1 PLAN

* BARS TO BE DRILLED & EPOXY GROUTED 9" INTO EXISTING CONC.
 ** TO BE VERIFIED BY BRIDGE SUPPLIER

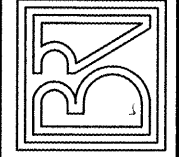
BILL OF MATERIAL FOR ABUTMENT #1

Bar	No.	Size	Length	Shape
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h ₁	12	#5	13'-8"	—
h ₂	2	#5	36'-0"	∧
h ₃	20	#5	14'-0"	—
h ₄	20	#5	15'-0"	—
u	24	#6	13'-8"	⊔
v	82	#6	3'-9"	—
v ₁	18	#6	14'-3"	—
v ₂	13	#5	11'-6"	—
Concrete Structures			36.9 Cu. Yds.	
Reinforcement Bars			2400 Lbs.	



ABUTMENT #1 ELEVATION

BROWN AND ROBERTS, INC.
 CONSULTING ENGINEERS & LAND SURVEYORS
 1 WEST RIDGE ROAD HARRISBURG, IL. 62946 (618) 252-8111



SECTION 06-00082-00-BT
 ABUTMENT #1 DETAILS
 STATION 55+61.78

Drawn By:	Checked By:	
GSS	MWR	
Revisions		
Item	Date	By

Scale:	Field Bk:
AS SHOWN	
Job Number:	Date:
05-138	12/08

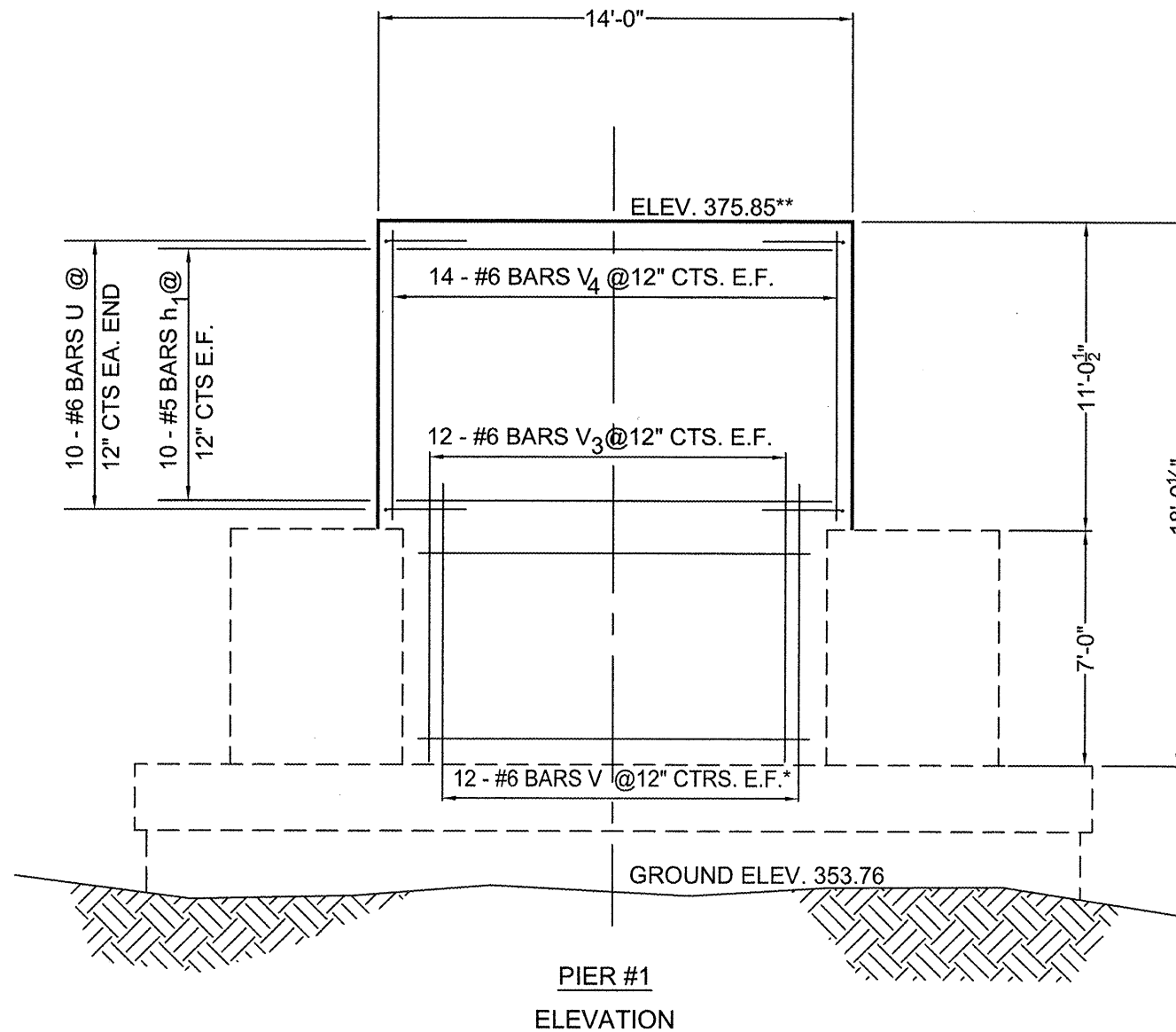
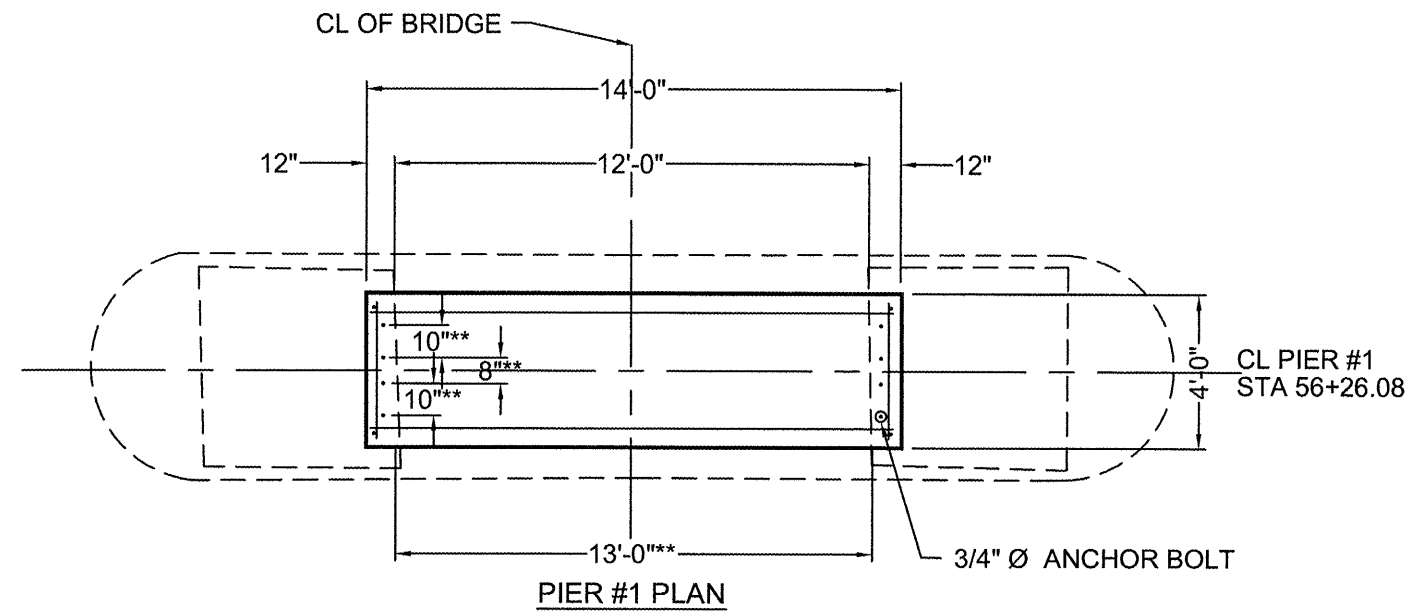
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103
 of 115

12 Nov 2008 - 2:02pm J:\Projects\105187\105187\105187.dwg Details.dwg Layout Tab ABUTMENT #1 STA 55+61.78



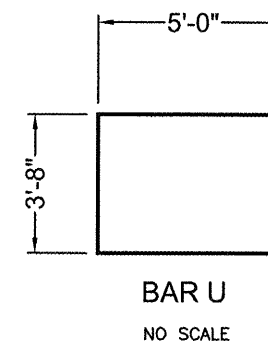
**BILL OF MATERIAL
FOR PIER #1**

Bar	No.	Size	Length	Shape
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u	20	#6	13'-8"	⊏
V	24	#6	3'-9"	—
V3	24	#6	10'-0"	—
V4	28	#6	10'-9"	—
Concrete Structures			35.3 Cu. Yds.	
Reinforcement Bars			1640 Lbs.	

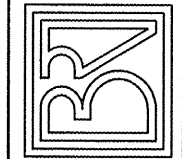


* BARS TO BE DRILLED & EPOXY GROUTED 9" INTO EXISTING CONC.

** TO BE VERIFIED BY BRIDGE SUPPLIER



BROWN AND ROBERTS, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
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SECTION 06-00082-00-BT
PIER #1 DETAILS
STATION 56+26.08

Drawn By: GSS
Checked By: MWR

Revisions
Item Date By

Scale: AS SHOWN
Field Bk:

Job Number: 05-138
Date: 12/08

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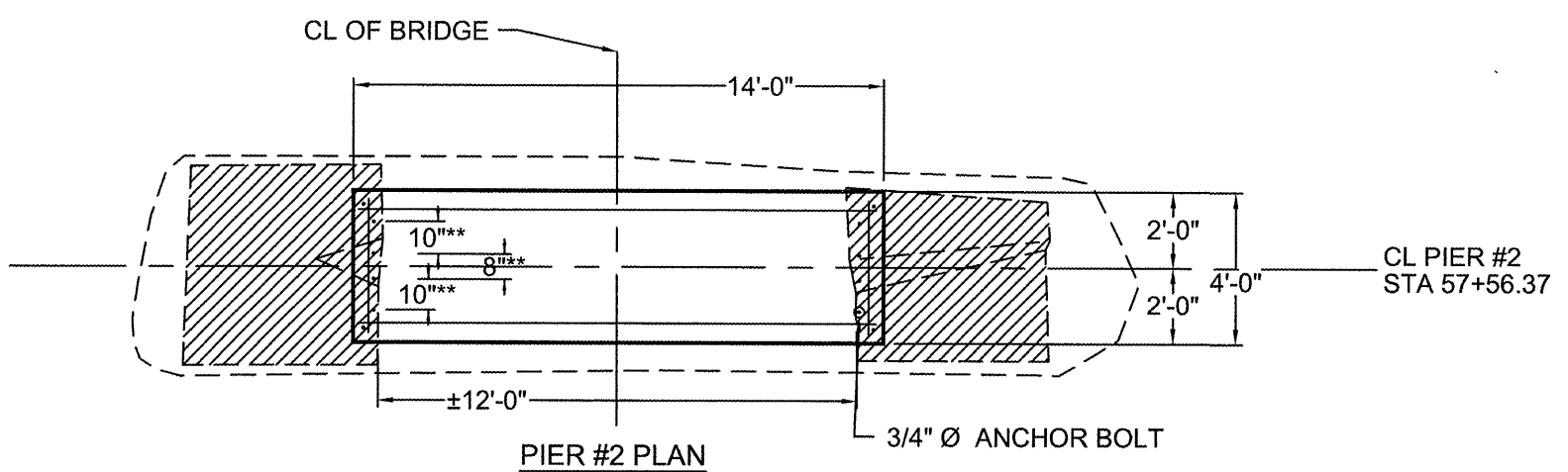
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of 115

**BILL OF MATERIAL
FOR PIER #2**

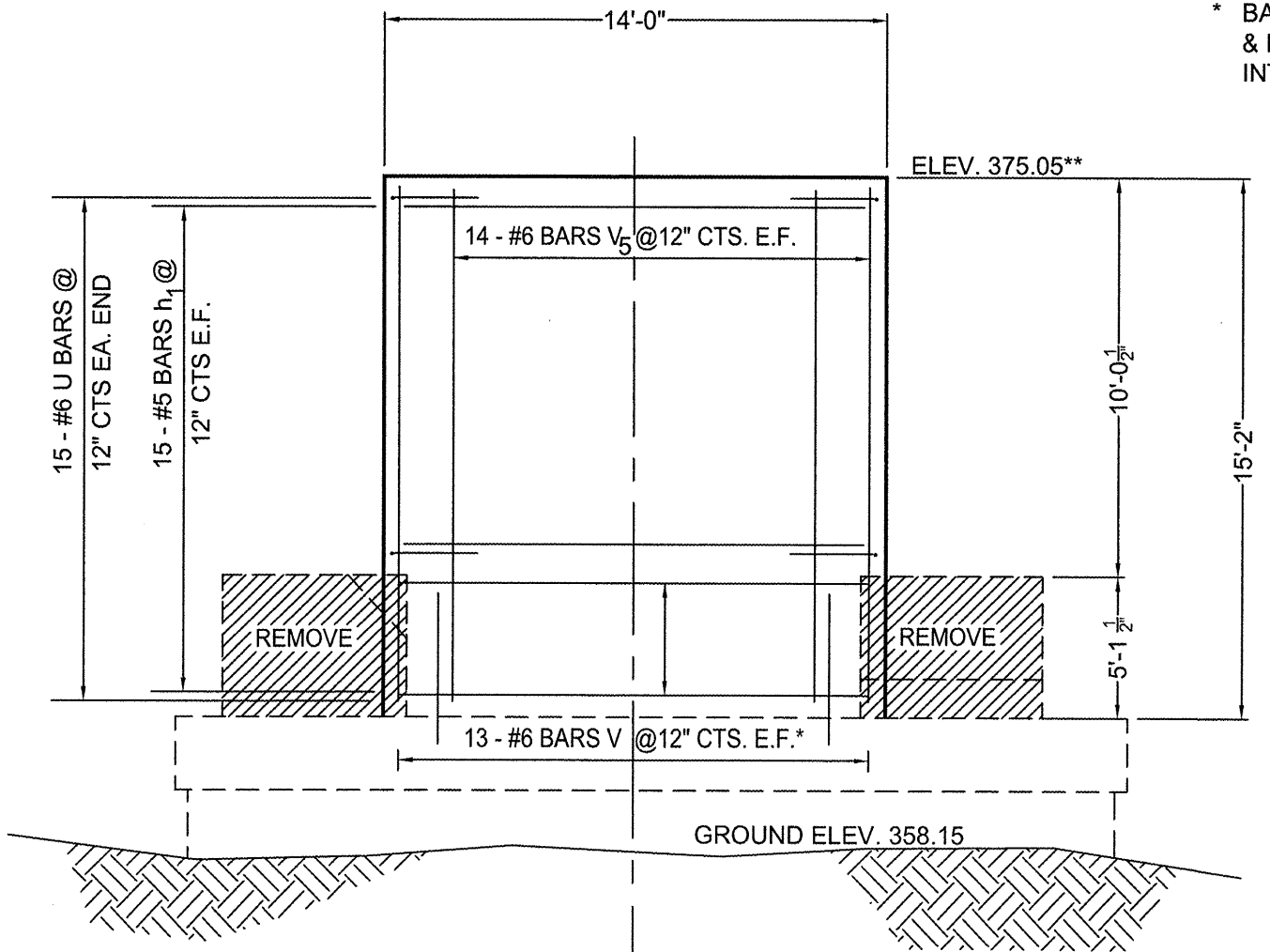
Bar	No.	Size	Length	Shape
h1	30	#5	13'-8"	—
u	30	#6	13'-8"	⌊
V	28	#6	3'-9"	—
V5	28	#6	14'-9"	—
Concrete Removal			7.3 Cu. Yds.	
Concrete Structures			31.4 Cu. Yds.	
Reinforcement Bars			1820 Lbs.	

CONTRACT NO. 99383

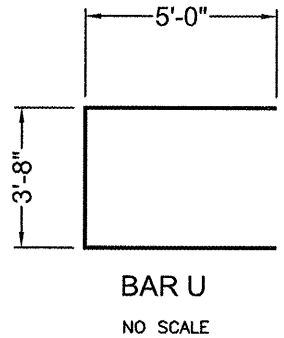


PIER #2 PLAN

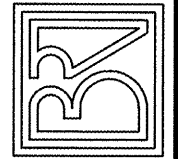
* BARS TO BE DRILLED & EPOXY GROUTED 9" INTO EXISTING CONC.
** TO BE VERIFIED BY BRIDGE SUPPLIER



PIER #2
ELEVATION

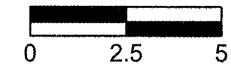


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SECTION 06-00082-00-BT
PIER #2 DETAILS
STATION 57+56.37

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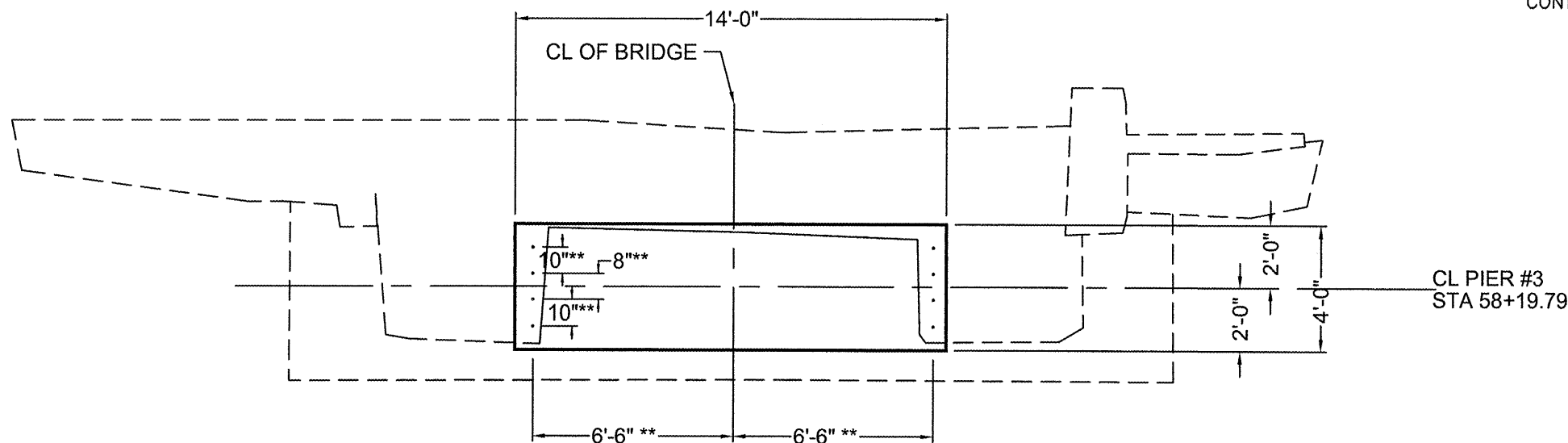
105
of 115

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BILL OF MATERIAL
FOR PIER #3

Bar	No.	Size	Length	Shape
h	6	#5	11'-8"	⊠
h1	18	#5	13'-8"	⊠
u	18	#6	13'-8"	⊠
V	26	#6	3'-9"	⊠
V7	26	#6	10'-10"	⊠
V8	4	#6	8'-2"	⊠
Concrete Structures			22.4 Cu. Yds.	
Reinforcement Bars			1320 Lbs.	

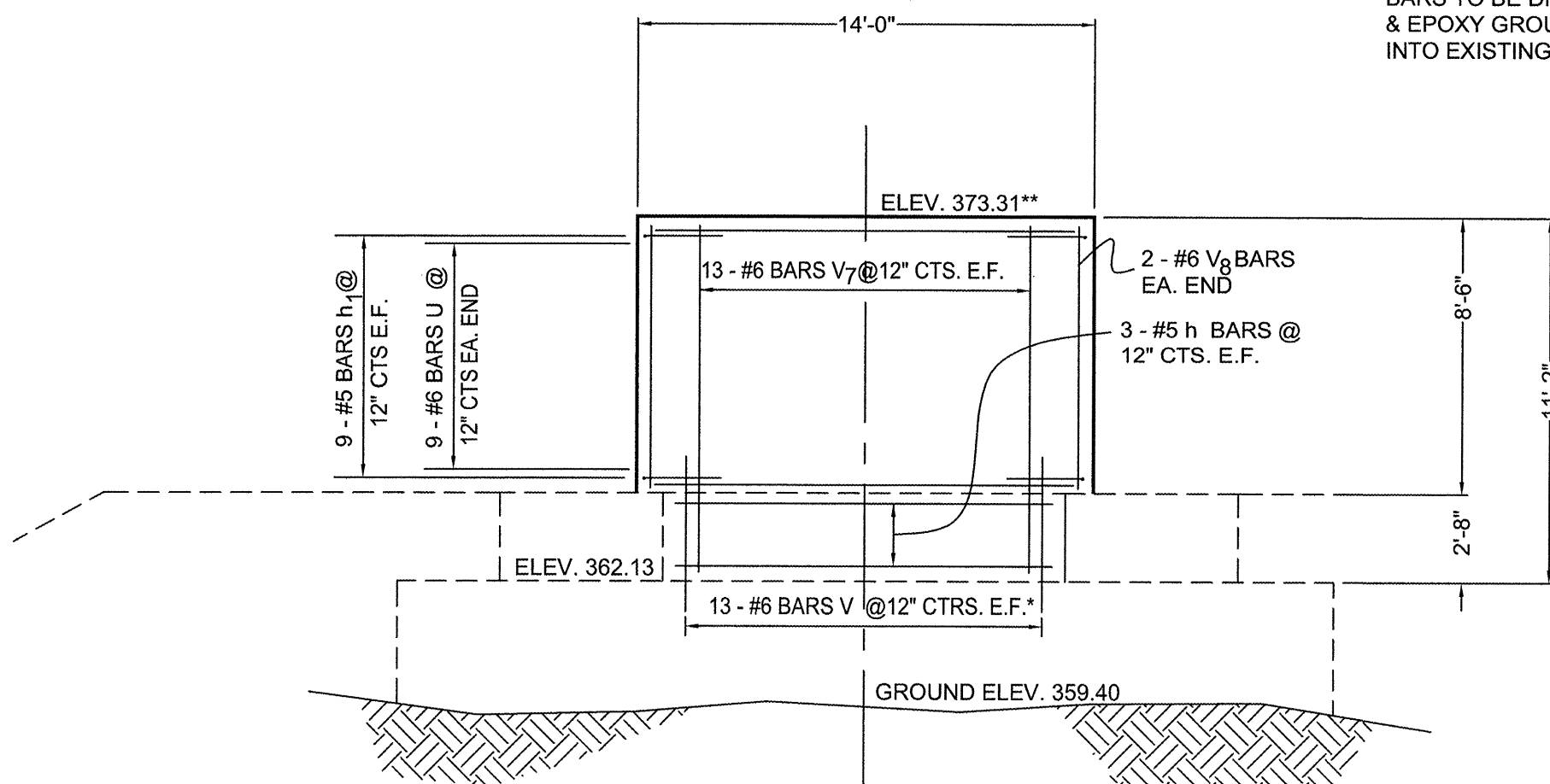
CONTRACT NO. 99383



PIER #3 STATION 58+19.79 PLAN

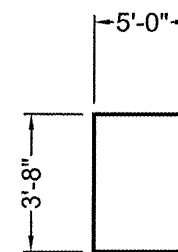
CL PIER #3
STA 58+19.79

* BARS TO BE DRILLED & EPOXY GROUTED 9" INTO EXISTING CONC.
** TO BE VERIFIED BY BRIDGE SUPPLIER

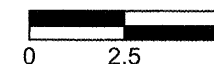


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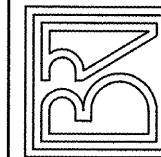
ELEVATION



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CONSULTING ENGINEERS & LAND SURVEYORS
1 WEST RIDGE ROAD HARRISBURG, IL. 62946 (618) 252-8111



SECTION 06-00082-00-BT
PIER #3 DETAILS
STATION 58+19.79

Drawn By: GSS Checked By: MWR

Revisions
Item Date By

Scale: AS SHOWN Field Bk:

Job Number: 05-138 Date: 12/08


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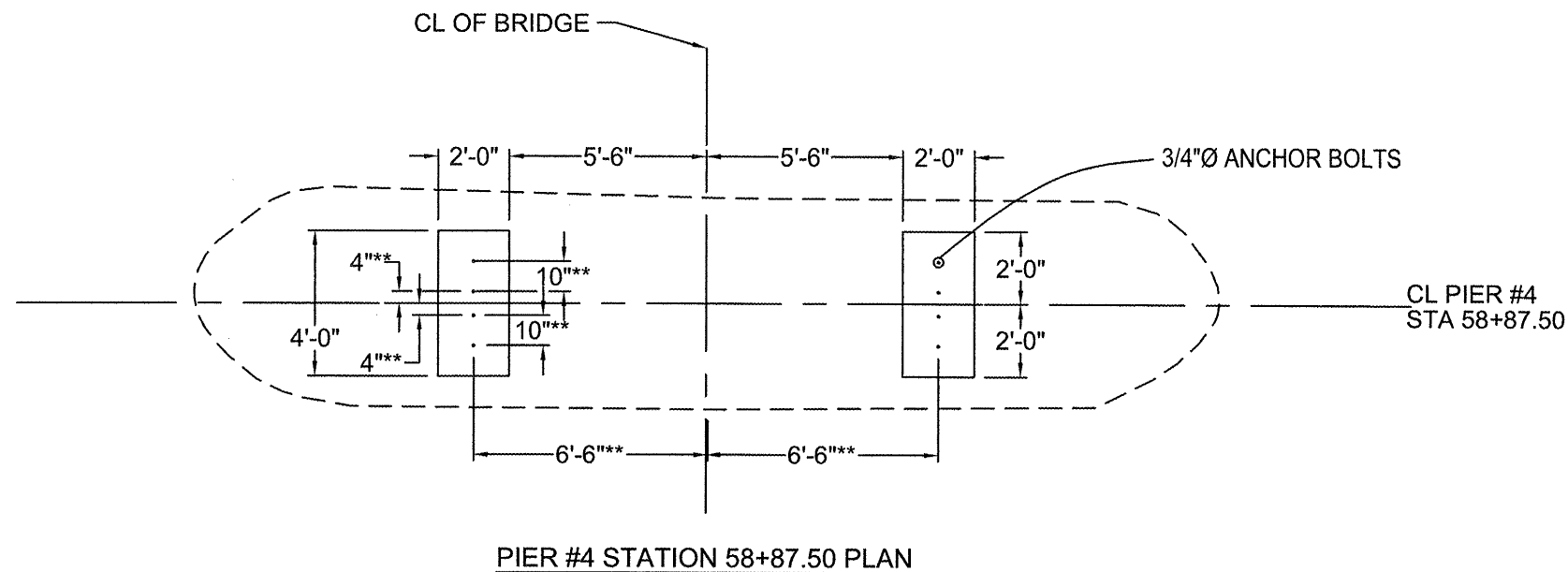
106

of 115

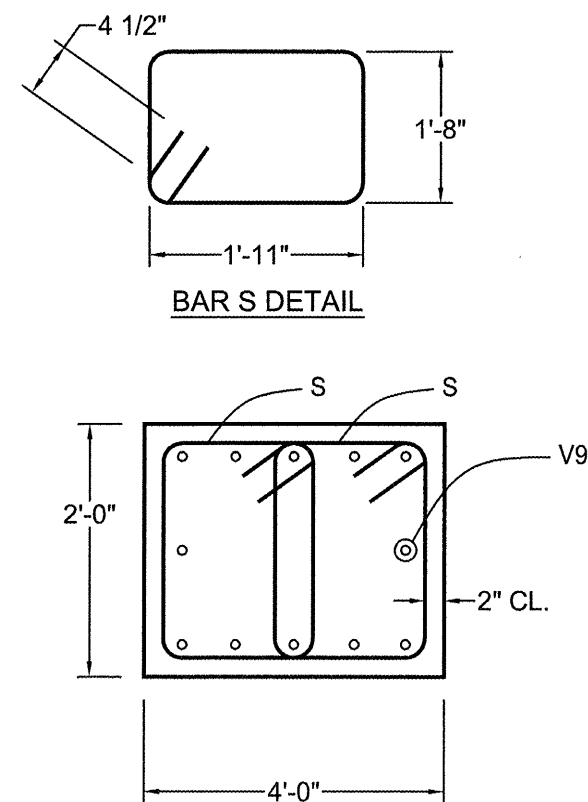
12 Nov 2009 - 2:03pm J:\0001\03108101\HARRISBURG PLANS\00082-00-BT\PIER #3 STA 58+19.79

**BILL OF MATERIAL
FOR PIER #4**

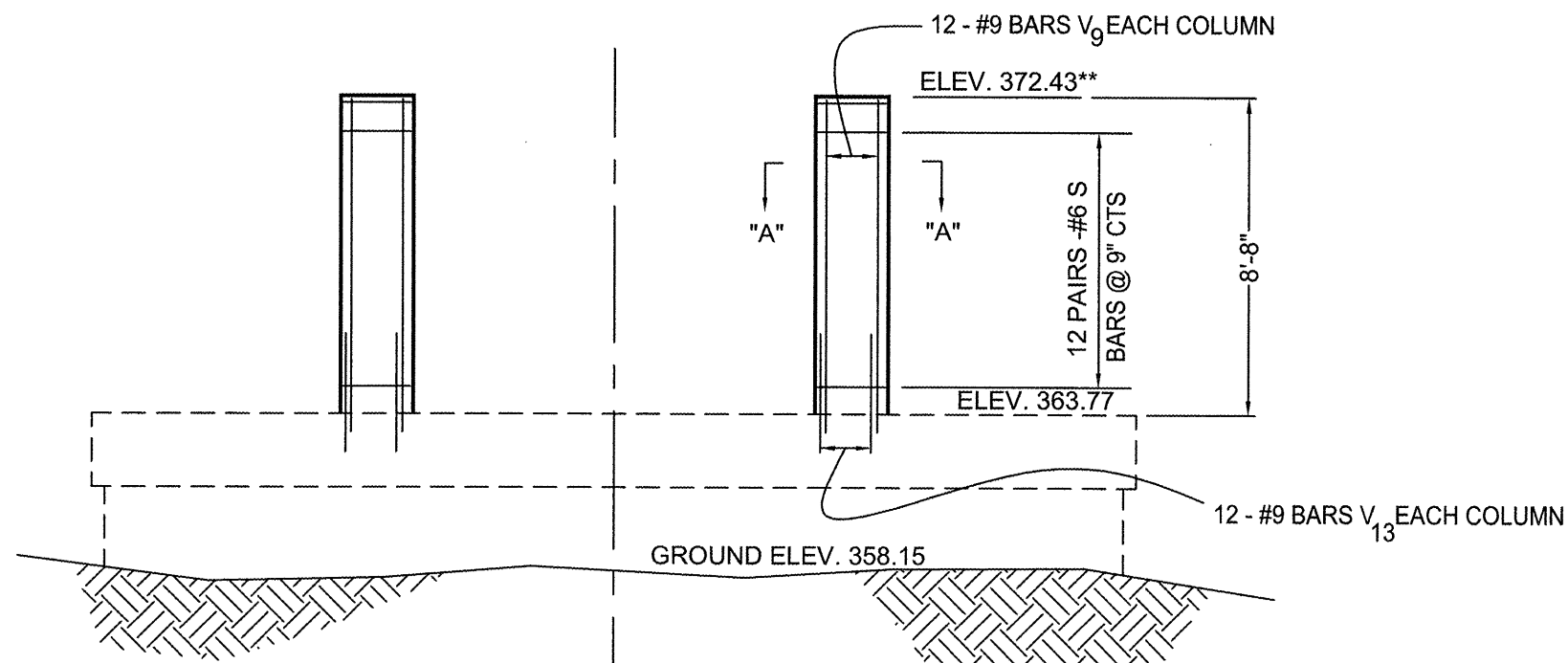
Bar	No.	Size	Length	Shape
S	48	#4	7'-11"	
V13	24	#9	3'-9"	—
V9	24	#9	8'-4"	—
Concrete Structures	5.1 Cu. Yds.			
Reinforcement Bars	1240 Lbs.			



PIER #4 STATION 58+87.50 PLAN



SECTION A-A



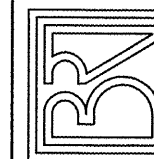
**PIER #4 STATION 58+87.50
ELEVATION**

* BARS TO BE DRILLED & EPOXY GROUTED 9" INTO EXISTING CONC.
** TO BE VERIFIED BY BRIDGE SUPPLIER

CONTRACT NO. 99383



BROWN AND ROBERTS, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
1 WEST RIDGE ROAD HARRISBURG, IL. 62946 (618) 252-8111



SECTION 06-00082-00-BT
PIER #4 DETAILS
STATION 58+87.50

Drawn By: GSS
Checked By: MWR

Revisions

Item	Date	By

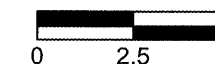
Scale: AS SHOWN
Field Bk:

Job Number: 05-138
Date: 12/08

Sheet

107

of 115



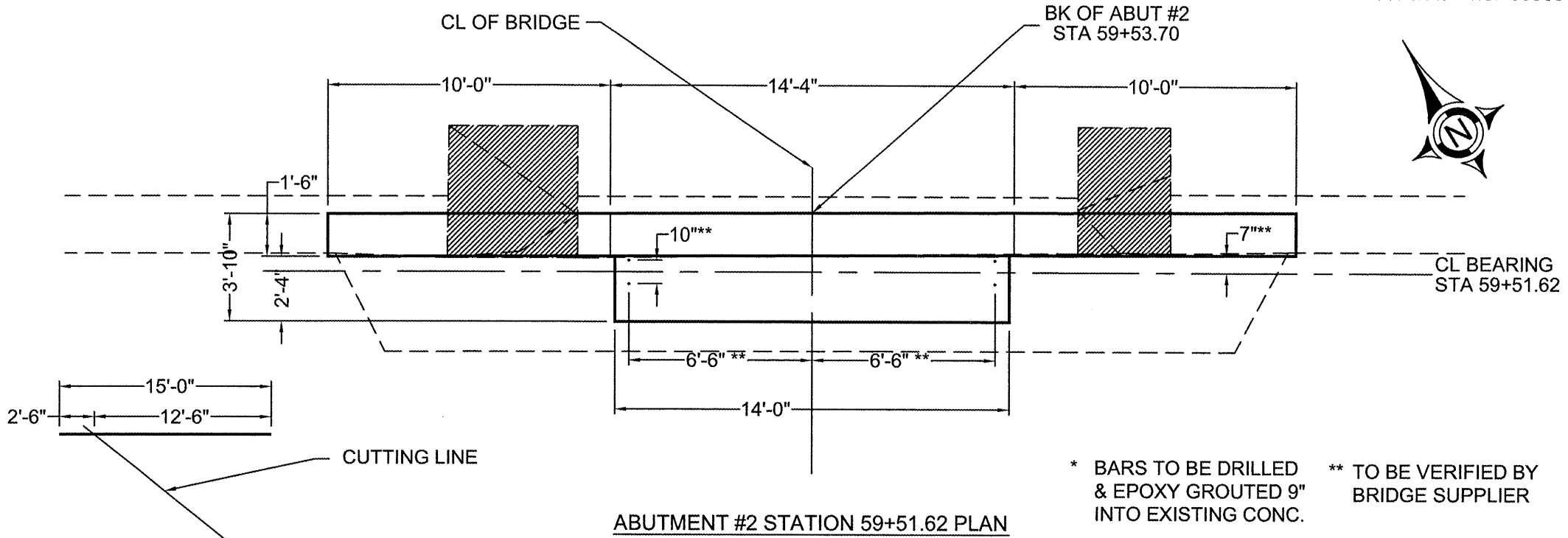
12 Nov 2008 - 2043pm X:\2008\0521\PIER#4\HARRISBURG_PLANS\BRIDGE_DETAILS.dwg Layout Tab PIER #4 STA 58+87.50

CONTRACT NO. 99383

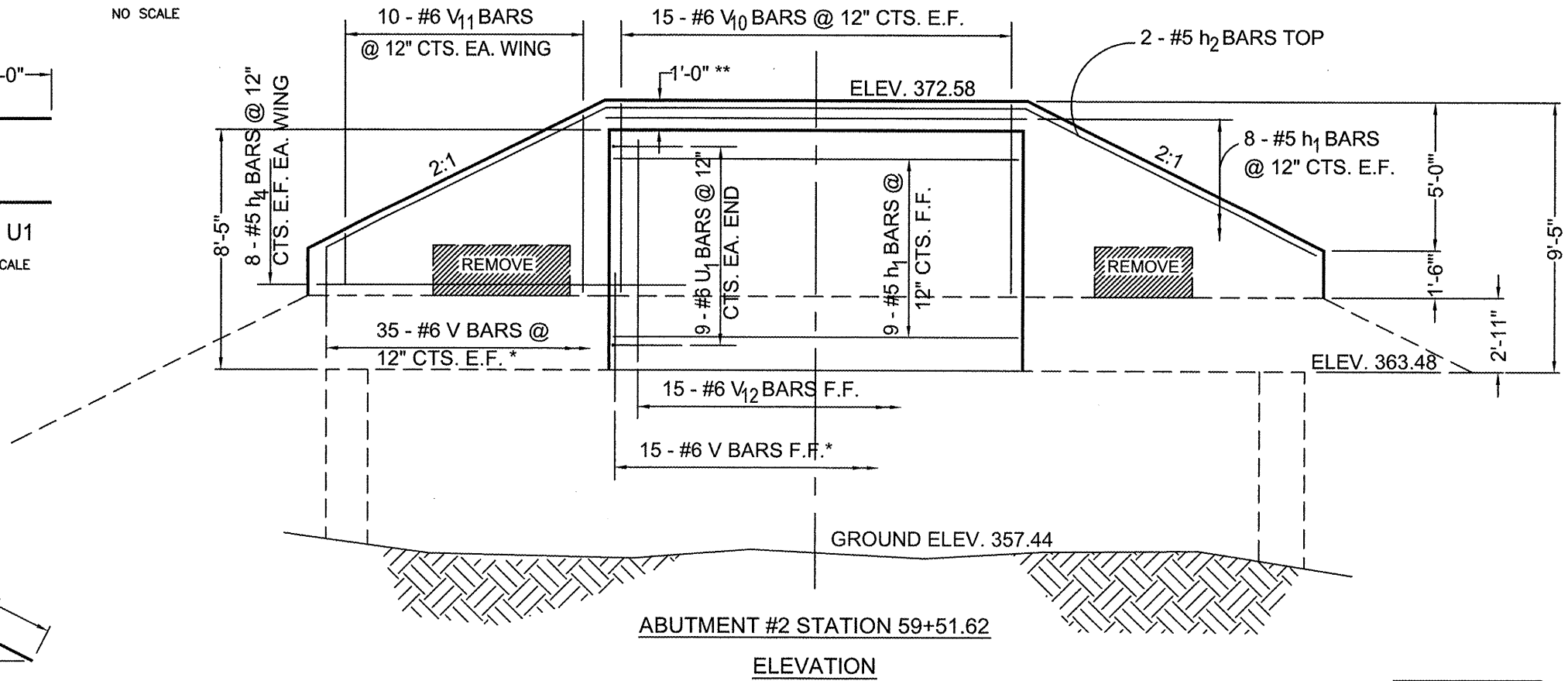
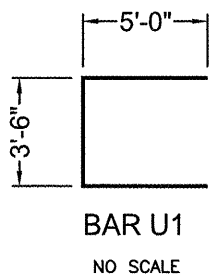
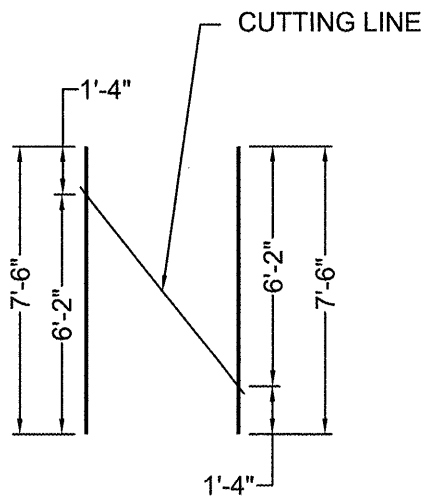
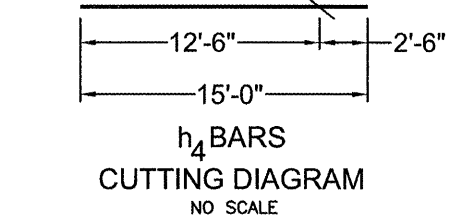
BROWN AND ROBERTS, INC.
 CONSULTING ENGINEERS & LAND SURVEYORS
 1 WEST RIDGE ROAD HARRISBURG, IL 62946 (618) 252-8111

**BILL OF MATERIAL
FOR ABUTMENT #2**

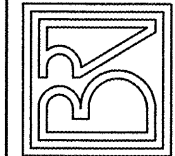
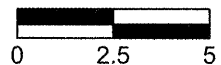
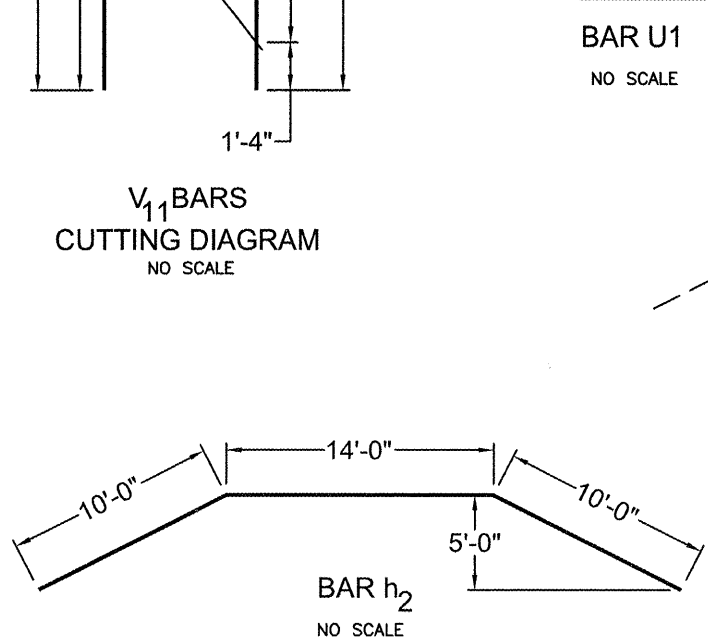
Bar	No.	Size	Length	Shape
h1	25	#5	13'-8"	—
h2	2	#5	34'-0"	—
h4	16	#5	15'-0"	—
u1	18	#6	13'-6"	—
v	85	#6	3'-9"	—
v10	30	#6	9'-2"	—
v11	20	#6	7'-6"	—
v12	15	#6	8'-2"	—
Concrete Removal			2.2 Cu. Yds.	
Concrete Structures			19.6 Cu. Yds.	
Reinforcement Bars			2340 Lbs.	



ABUTMENT #2 STATION 59+51.62 PLAN



ABUTMENT #2 STATION 59+51.62
ELEVATION



SECTION 06-00082-00-BT
 ABUTMENT #2 DETAILS
 STATION 59+51.62

Drawn By: GSS
 Checked By: MWR

Revisions
 Item Date By

Scale: AS SHOWN
 Job Number: 05-138
 Date: 12/08

Sheet

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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00082-00-BT	SALINE	115	109
HARRISBURG TO ELDORADO BIKE TRAIL				
PROJ. NO. TE-0009(94)	CONTRACT NO. 99383			

GENERAL NOTES

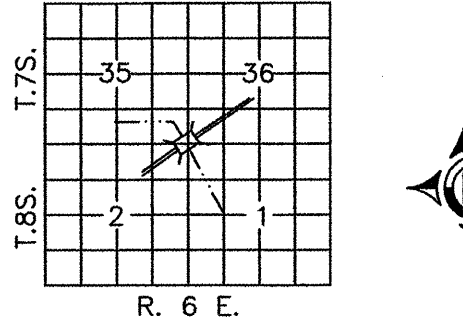
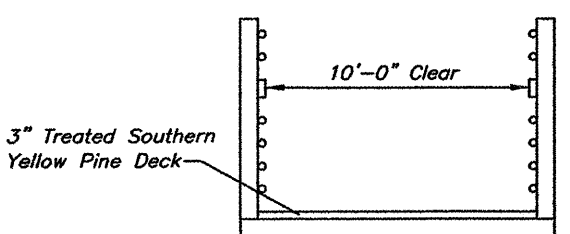
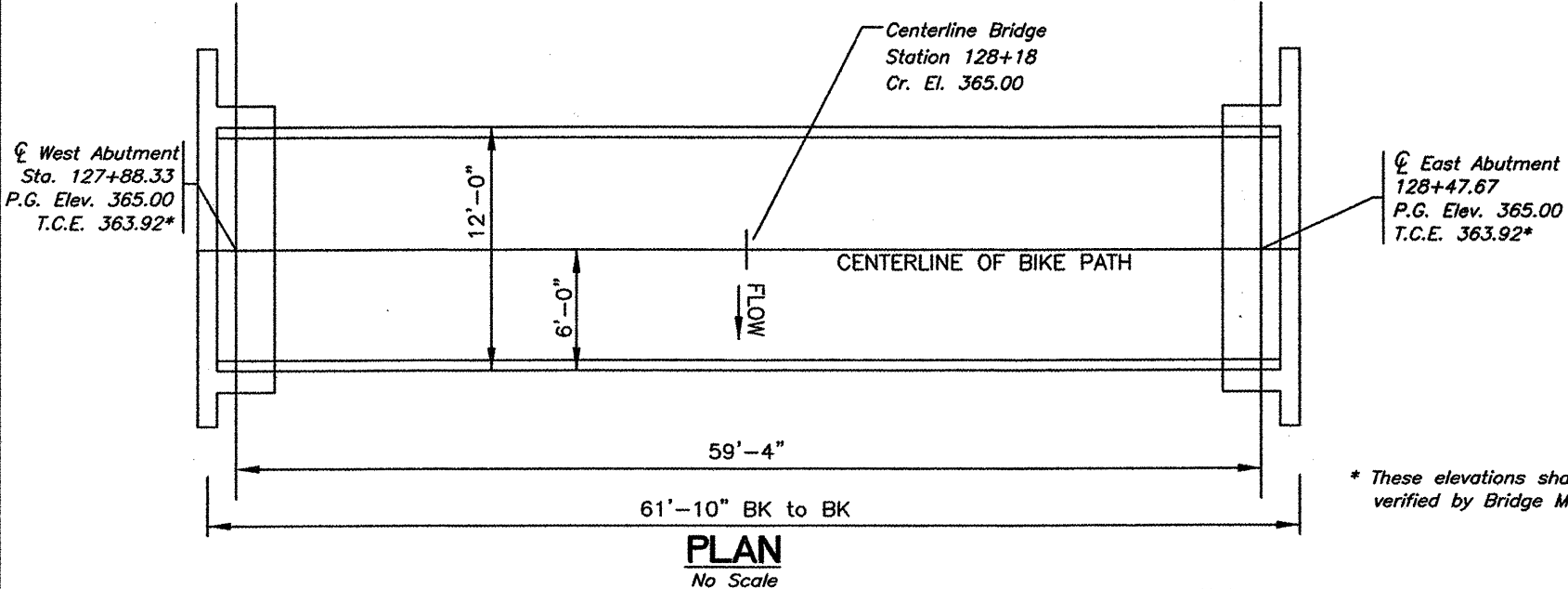
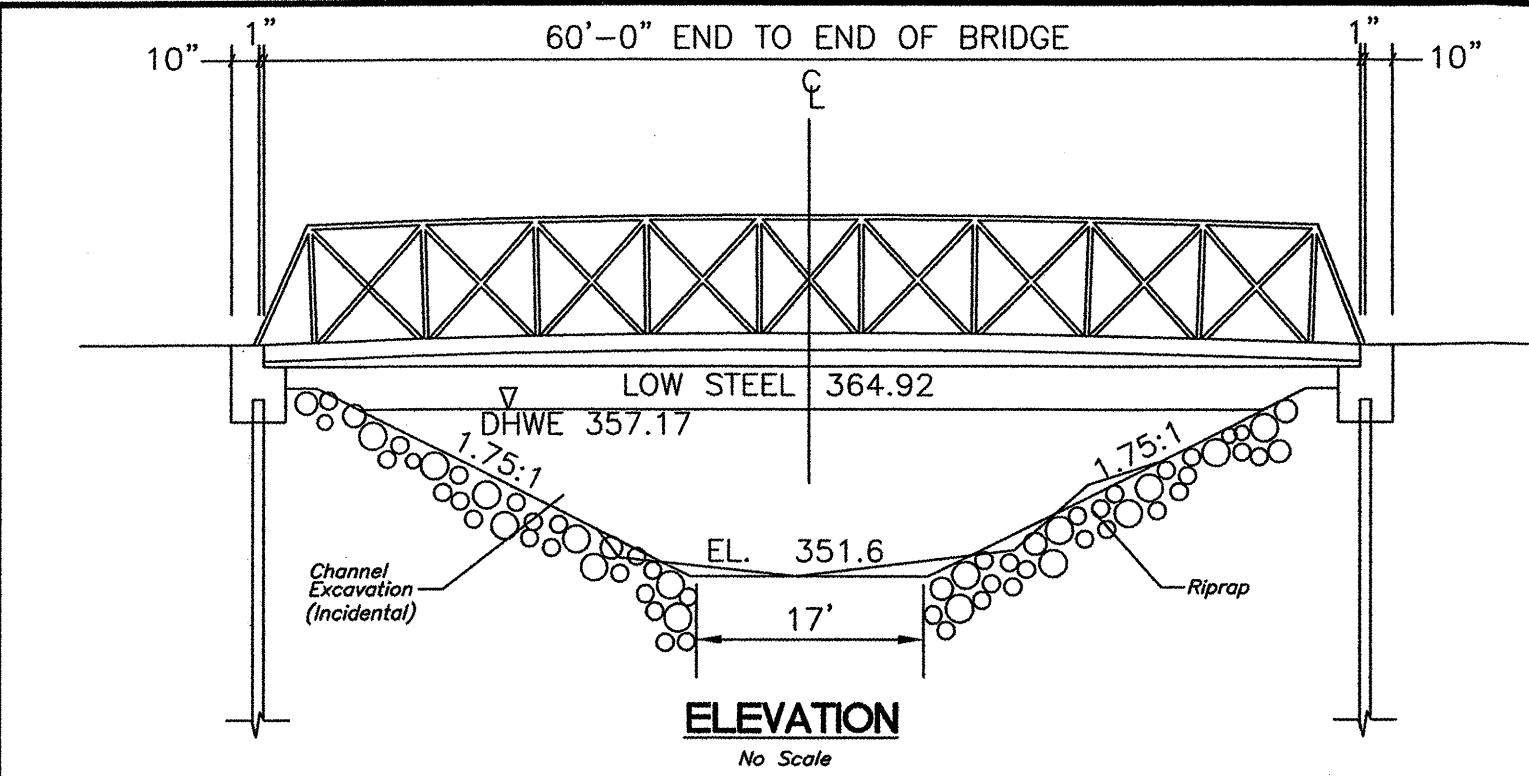
- All materials and construction shall conform to the latest edition of the Illinois Department of Transportation Standard Specifications for Roads and Bridge Construction, Jan. 1, 2007
- Design Specifications: AASHTO Standard Specifications for Highway Bridges 1996
 - 2. - Abutment
 - A - Bridge Dead Load = 60 psf
 - B - Bridge Live Load = 85 psf
- Top elevation of abutment shown on drawing are the estimated elevation. Exact elevation shall be coordinated with bridge manufacturer.
- Locations of anchor bolts shown on drawing are the estimated locations. Exact locations of anchor bolts shall be coordinated with bridge manufacturer.
- All channel excavation is considered incidental to the contract price.

WATERWAY INFORMATION

Drainage Area = 2.63 Sq. Mi.		Low Grade Elev. = 365.00							
Flood	Freq. (year)	Q (cfs)	Opening (sq ft)		Natural HWE	Head (ft)		Headwater Elev	
			Exist	Prop		Exist	Prop	Exist	Prop
Design	50	1430	N.A.	208	359.17	N.A.	0	N.A.	359.64
Base	100	1680	N.A.	233	359.74	N.A.	0	N.A.	360.13

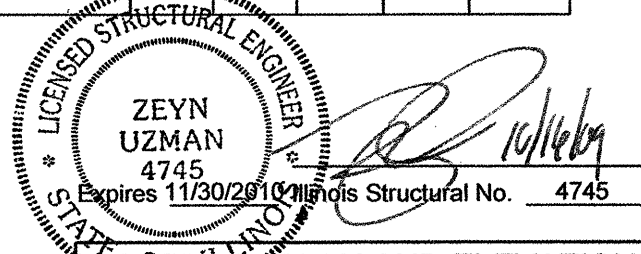
BILL OF MATERIAL - 2 ABUTMENTS

Item	Unit	Super	Sub.		Total
			Piers	Abuts.	
Concrete Structures	Cu Yd			8.8	8.8
Reinforcement Bars	Pound			1200	1200
Furnishing Piles HP 10 X 42	Foot			240	240
Driving Steel Piles	Foot			240	240
Pedestrian Truss Superstructure	Sq. Ft.	600			600
Name Plates	Each			1	1
Stone Dumped Riprap, Class A4	Ton			110	110



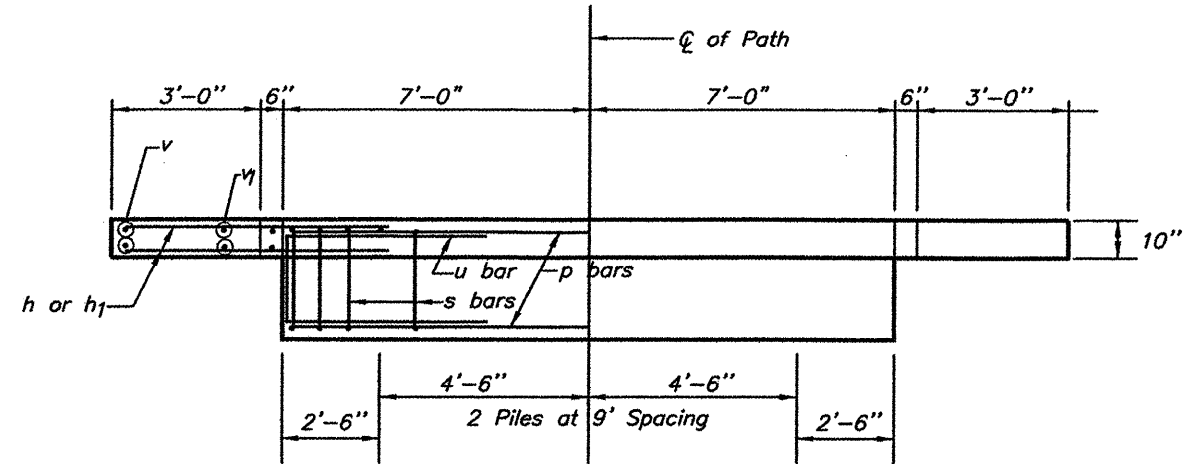
STATION 128+18
UNNAMED CREEK
SEC.06-00082-00-BT
ILLINOIS DEPARTMENT OF TRANSPORTATION
BUILT 2010

LETTERING FOR NAME PLATE
Locate Name Plate at SOUTHWEST
Corner of Bridge



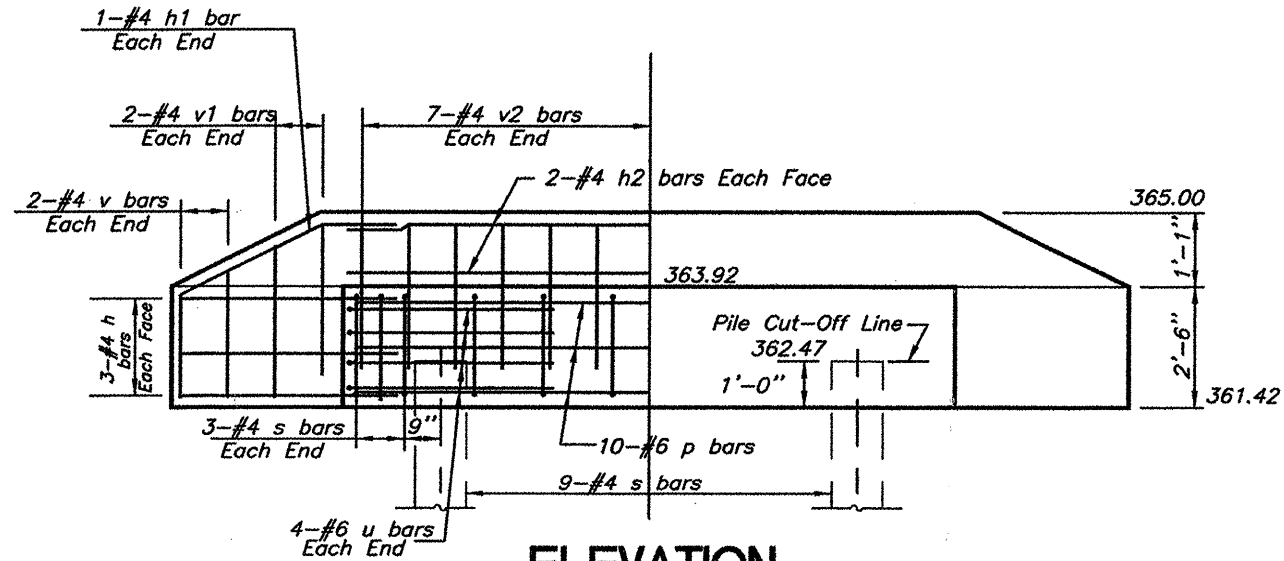
GENERAL PLAN AND ELEVATION
PEDESTRIAN BRIDGE OVER UNNAMED CREEK
SECTION 06-00082-00-BT
CITY OF HARRISBURG
PEDESTRIAN BRIDGE #2
STATION 128+18

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00082-00-BT	SALINE	115	110
HARRISBURG TO ELDORADO BIKE TRAIL				
PROJ. NO. TE-00D9(94)			CONTRACT NO. 99383	



PLAN

Dimension to be verified with Bridge Manufacturer



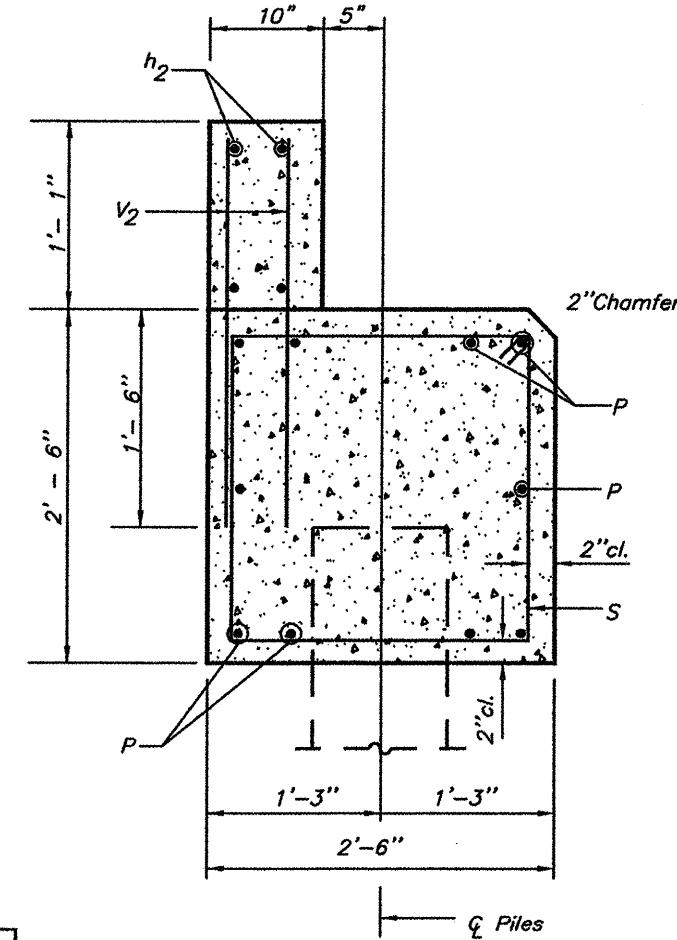
ELEVATION

PILE DATA (2-ABUTMENTS)

Type: HP 10X42
 Estimated Length: 60 Feet
 Number Required: 4
 Nominal Required Bearing: 333 kips
 Allowable Resistance Available: 111 kips

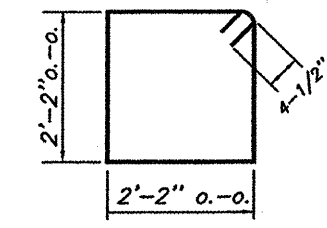
BILL OF MATERIAL FOR ONE ABUTMENT

Bar	No.	Size	Length	Shape
h	12	4	5'-0"	—
h1	4	4	5'-3"	—
h2	4	4	13'-8"	—
P	10	6	13'-8"	—
s	15	4	9'-5"	□
u	8	6	11'-1"	—
v	8	4	2'-6"	—
v1	8	4	2'-9"	—
v2	28	4	2'-5"	—
Concrete Structures			4.4 Cu. Yds.	
Reinforcement Bars			600 Lbs.	

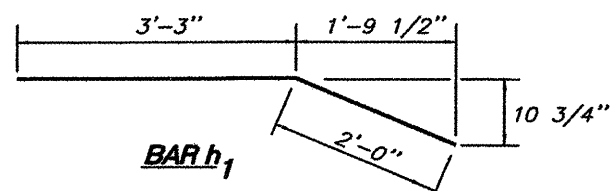


SECTION THRU ABUTMENT

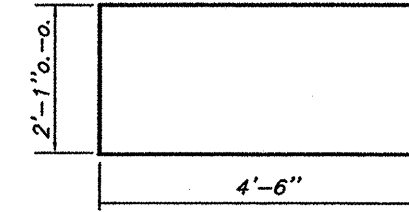
LICENSED STRUCTURAL ENGINEER
 ZEYN UZMAN
 4745
 Expires 11/30/2018 Illinois Structural No. 4745
 10/16/09



BAR S



BAR h1



BAR u

ABUTMENT DETAIL SHEET

PEDESTRIAN BRIDGE OVER UNNAMED CREEK

SECTION 06-00082-00-BT
 CITY OF HARRISBURG
 PEDESTRIAN BRIDGE #2
 STATION 128+18

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00082-00-BT	SALINE	115	111
HARRISBURG TO ELDORADO BIKE TRAIL				
PROJ. NO. TE-0009(94)	CONTRACT NO. 99383			

GENERAL NOTES

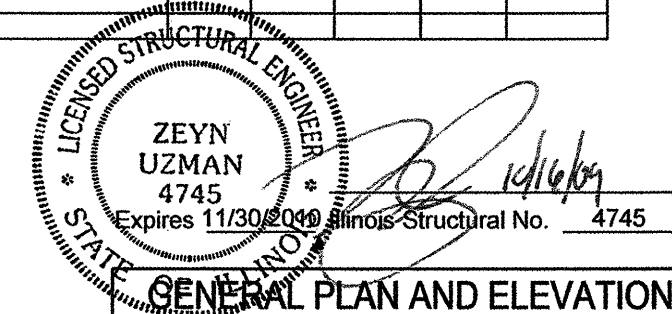
- All materials and construction shall conform to the latest edition of the Illinois Department of Transportation Standard Specifications for Roads and Bridge Construction, Jan. 1, 2007
- Design Specifications: AASHTO Standard Specifications for Highway Bridges 1996
 - 2. - Abutment
 - A - Bridge Dead Load = 60 psf
 - B - Bridge Live Load = 85 psf
- Top elevation of abutment shown on drawing are the estimated elevation. Exact elevation shall be coordinated with bridge manufacturer.
- Locations of anchor bolts shown on drawing are the estimated locations. Exact locations of anchor bolts shall be coordinated with bridge manufacturer.
- All channel excavation is considered incidental to the contract price.

WATERWAY INFORMATION

Drainage Area = 1.72 Sq. Mi.				Low Grade Elev. = 380.50					
Flood	Freq. (year)	Q (cfs)	Opening (sq ft)		Natural HWE	Head (ft)		Headwater Elev	
			Exist	Prop		Exist	Prop	Exist	Prop
Design	50	1710	N.A.	304	374.47	N.A.	0	N.A.	374.66
Base	100	2020	N.A.	361	376.14	N.A.	0	N.A.	376.81

BILL OF MATERIAL - 2 ABUTMENTS

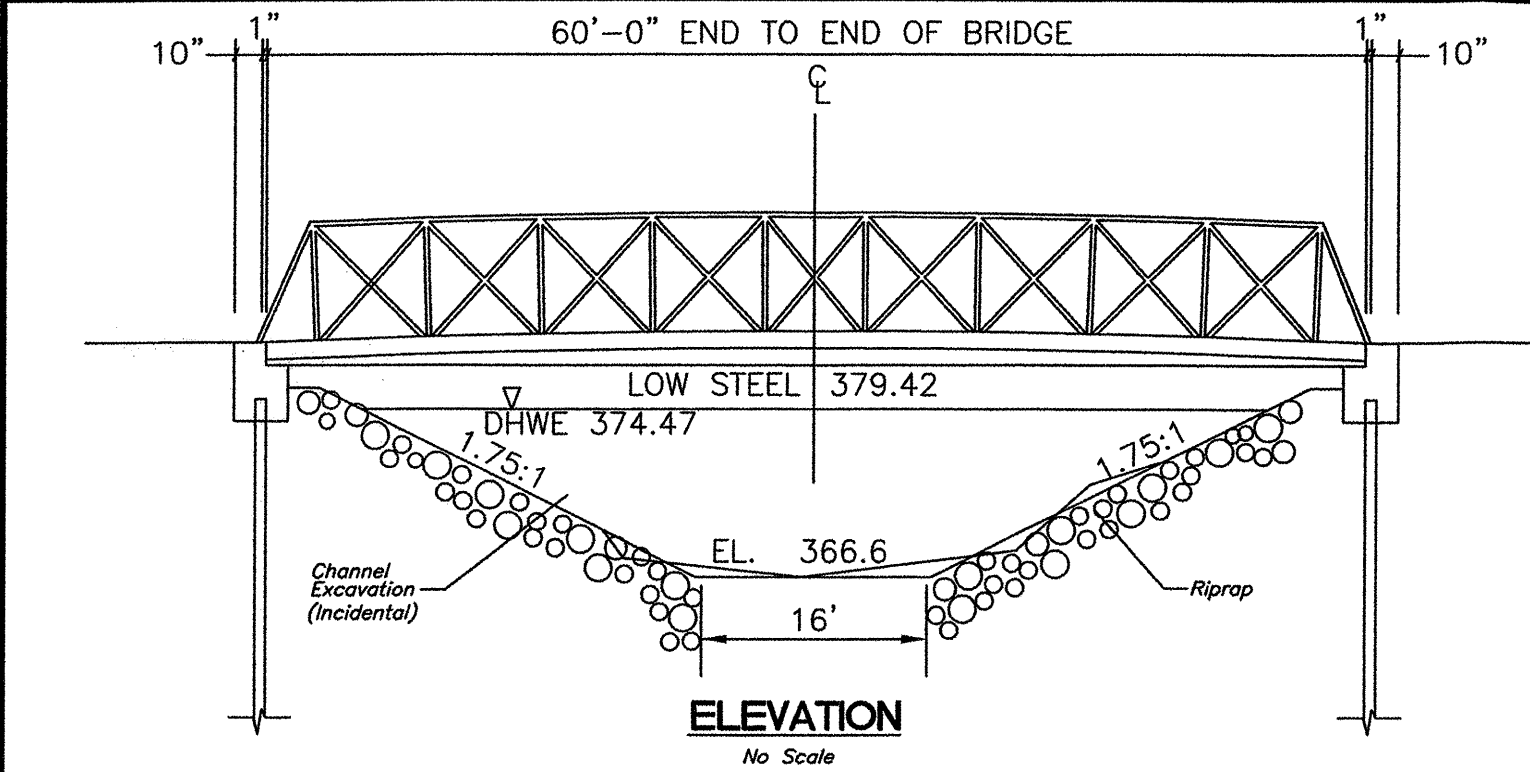
Item	Unit	Super	Sub.		Total
			Piers	Abuts.	
Concrete Structures	Cu Yd			8.8	8.8
Reinforcement Bars	Pound			1200	1200
Furnishing Piles HP 10 X 42	Foot			220	220
Driving Steel Piles	Foot			220	220
Pedestrian Truss Superstructure	Sq. Ft.	600			600
Name Plates	Each			1	1
Stone Dumped Riprap, Class A4	Ton			100	100



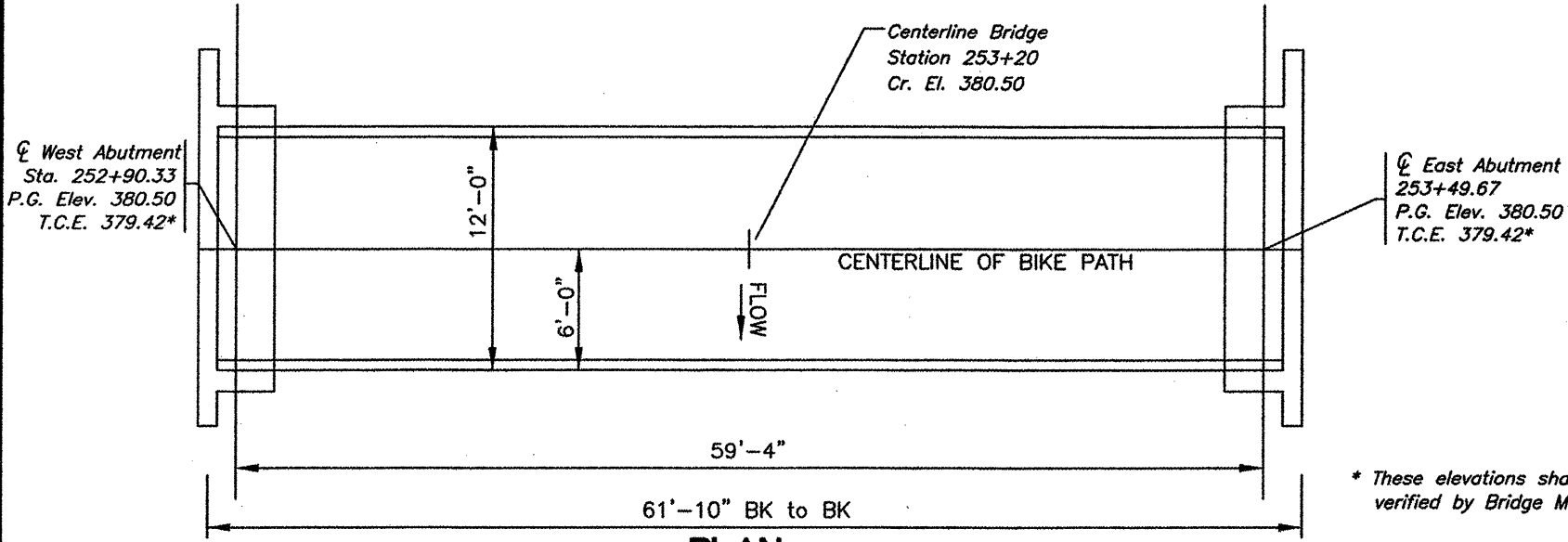
GENERAL PLAN AND ELEVATION

PEDESTRIAN BRIDGE
OVER UNNAMED CREEK

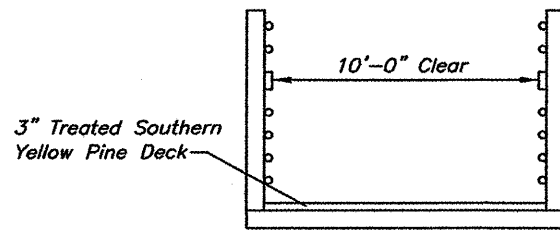
SECTION 06-00082-00-BT
CITY OF HARRISBURG
PEDESTRIAN BRIDGE #3
STATION 253+20



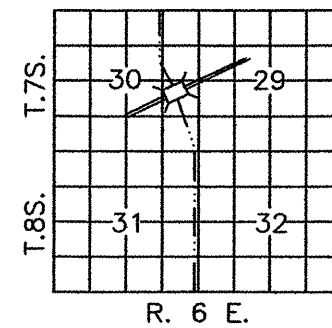
ELEVATION
No Scale



PLAN
No Scale



SECTION
No Scale



LOCATION SKETCH

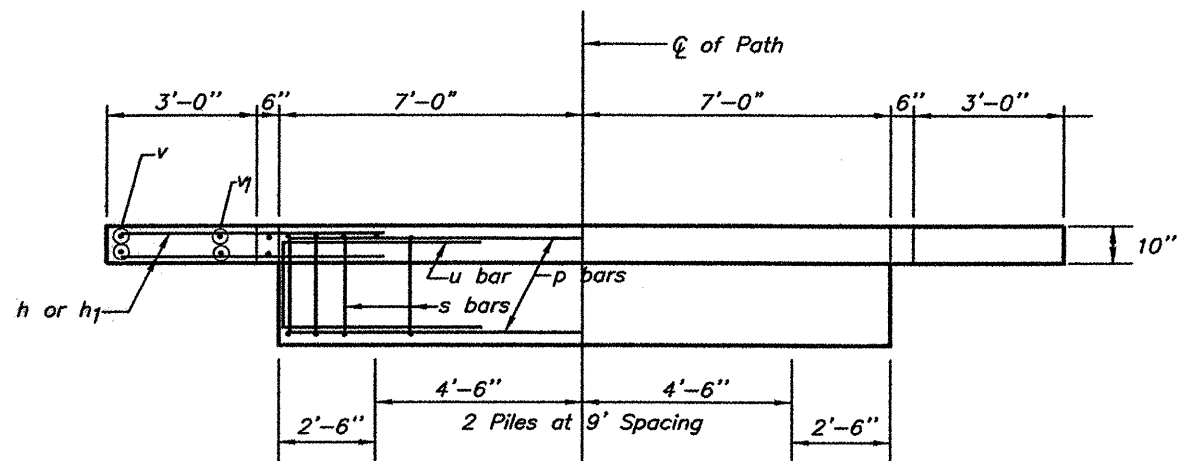


STATION 253+20
UNNAMED CREEK
SEC.06-00082-00-BT
ILLINOIS DEPARTMENT OF TRANSPORTATION
BUILT 2010

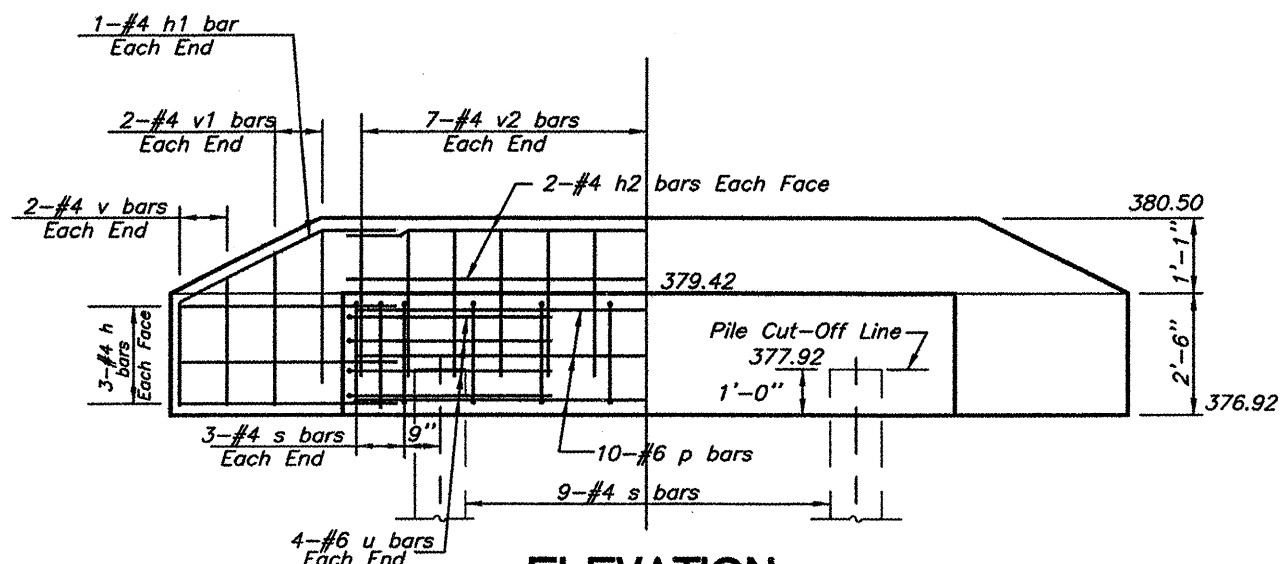
LETTERING FOR NAME PLATE

Locate Name Plate at SOUTHWEST
Corner of Bridge

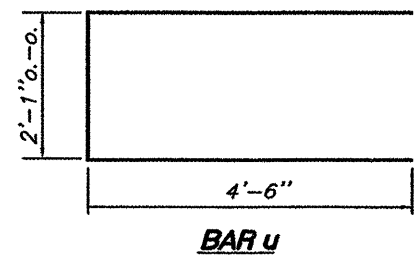
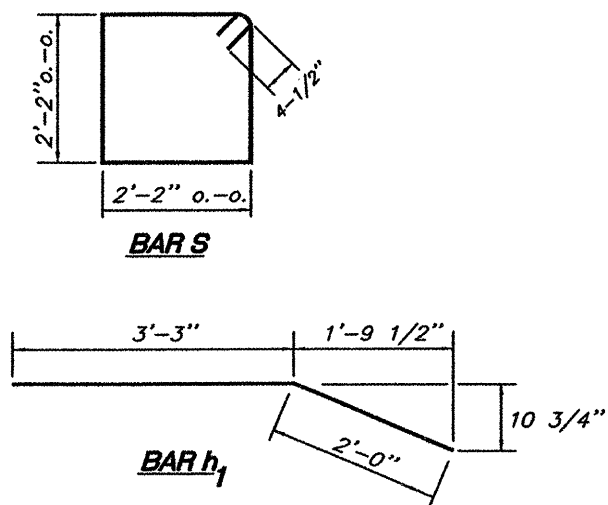
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00082-00-BT	SALINE	115	112
HARRISBURG TO ELDORADO BIKE TRAIL				
PROJ. NO. TE-0009(94)		CONTRACT NO. 99383		



PLAN



ELEVATION



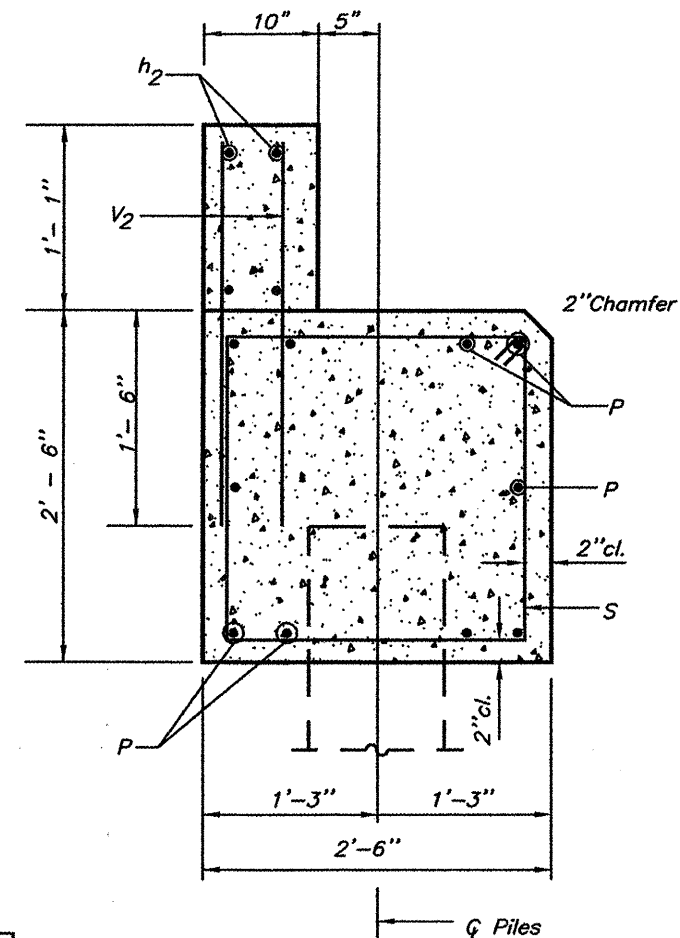
Dimension to be verified with Bridge Manufacturer

PILE DATA (2-ABUTMENTS)

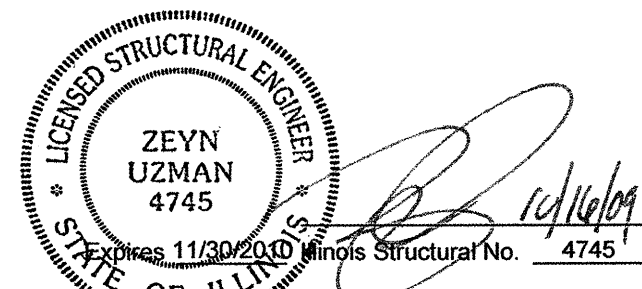
Type: HP 10X42
 Estimated Length: 55 Feet
 Number Required: 4
 Nominal Required Bearing: 333 kips
 Allowable Resistance Available: 111 kips

BILL OF MATERIAL FOR ONE ABUTMENT

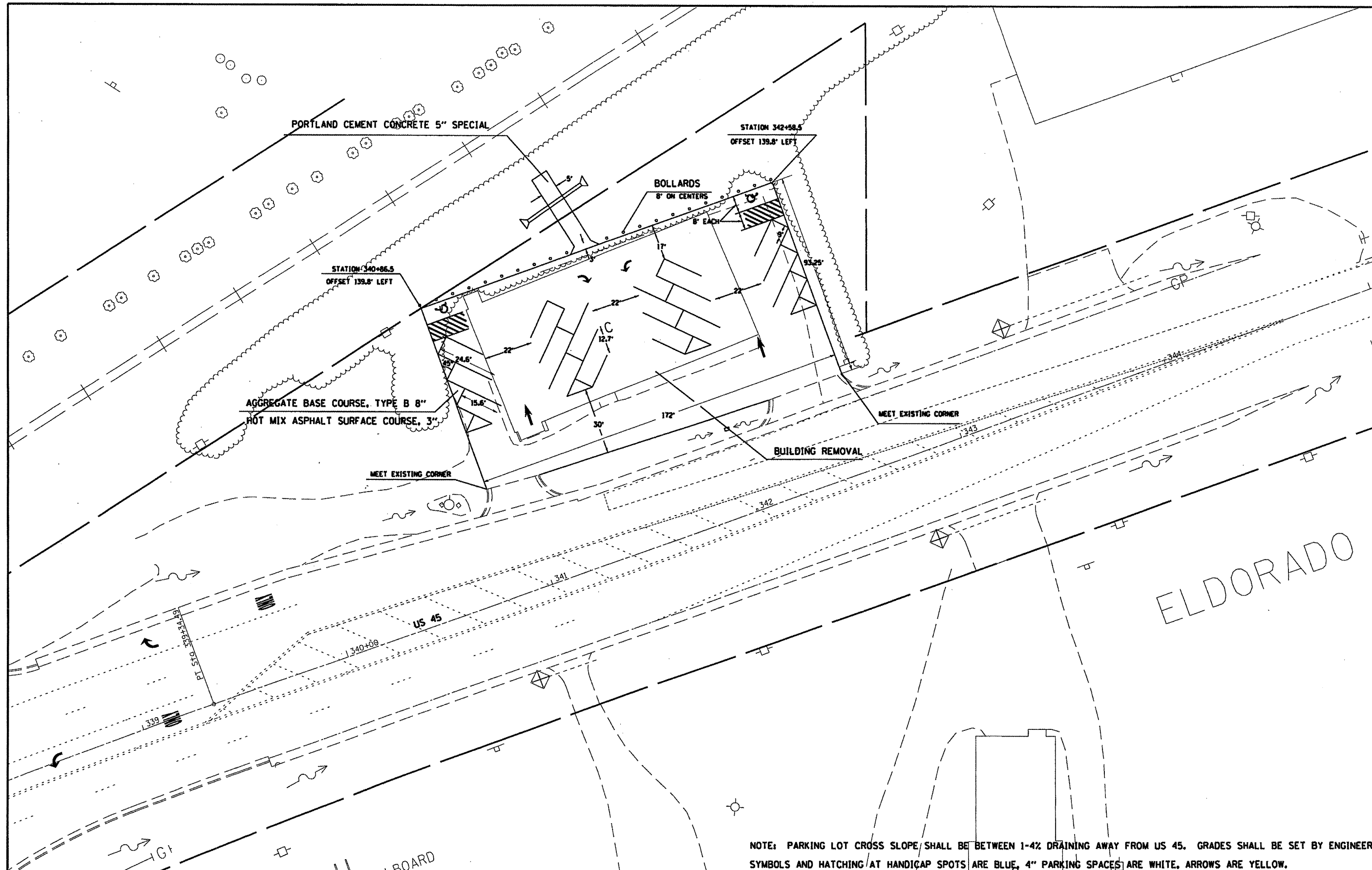
Bar	No.	Size	Length	Shape
h	12	4	5'-0"	—
h1	4	4	5'-3"	—
h2	4	4	13'-8"	—
P	10	6	13'-8"	—
s	15	4	9'-5"	□
u	8	6	11'-1"	▭
v	8	4	2'-6"	—
v1	8	4	2'-9"	—
v2	28	4	2'-5"	—
Concrete Structures			4.4 Cu. Yds.	
Reinforcement Bars			600 Lbs.	



SECTION THRU ABUTMENT



ABUTMENT DETAIL SHEET
PEDESTRIAN BRIDGE OVER UNNAMED CREEK
 SECTION 06-00082-00-BT
 CITY OF HARRISBURG
 PEDESTRIAN BRIDGE #3
 STATION 253+20

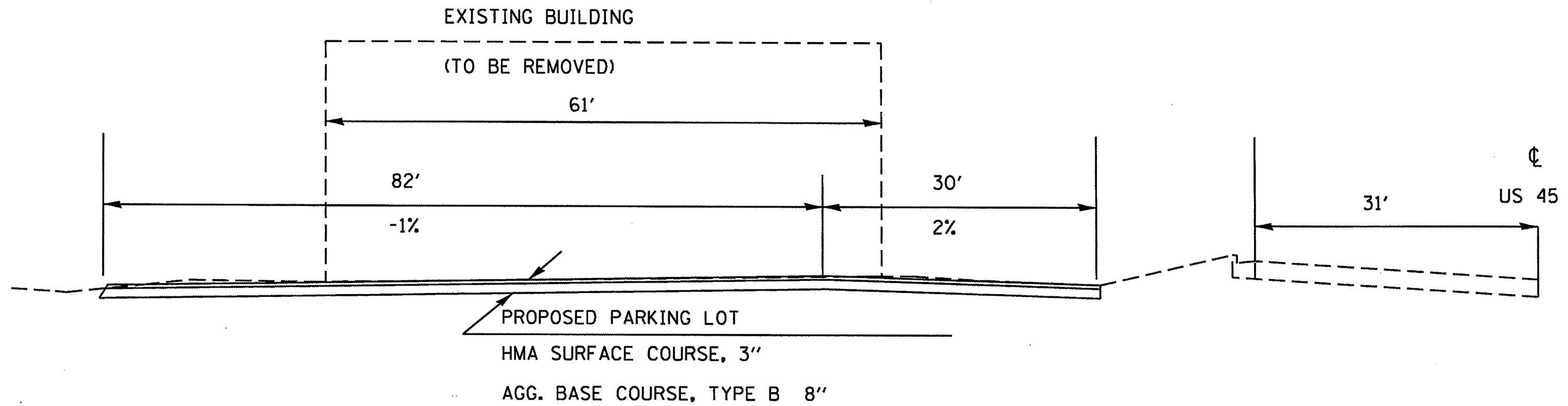


ELDORADO

NOTE: PARKING LOT CROSS SLOPE SHALL BE BETWEEN 1-4% DRAINING AWAY FROM US 45. GRADES SHALL BE SET BY ENGINEER. SYMBOLS AND HATCHING AT HANDICAP SPOTS ARE BLUE, 4" PARKING SPACES ARE WHITE, ARROWS ARE YELLOW.

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE: _____ SHEET NO. ____ OF _____ SHEETS STA. _____ TO STA. _____	F.A. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLT SCALE = 41.2487' / IN.	PLT DATE = 11/5/2009	DRAWN -	REVISED -			US 45	SALINE	115	113	
		CHECKED -	REVISED -			CONTRACT NO. _____				
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

PROPOSED TYPICAL SECTION

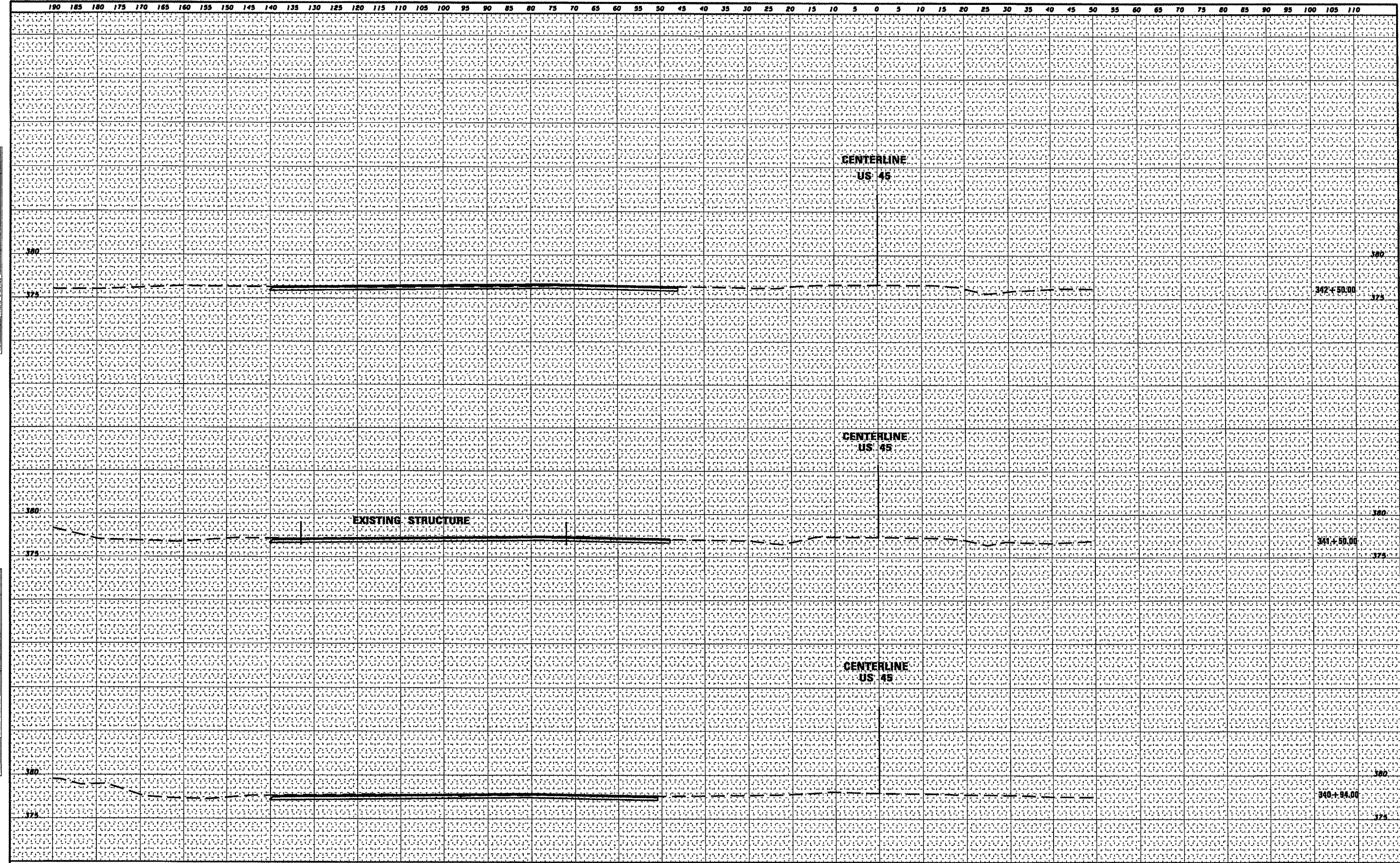


TO BE USED:
STA. 340+86.5 TO STATION 342+58.5

FILE NAME =	USER NAME = sheperdgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____	F.A. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwid\shepardgd\619136\plot-plahts.dgn	DESIGNED -	REVISED -	US 45				SALINE	115	114	
PLOT SCALE = 28.6244' / IN.	CHECKED -	REVISED -	CONTRACT NO. _____							
PLOT DATE = 11/5/2009	DATE -	REVISED -	(ILLINOIS) FED. AID PROJECT							

DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	AREAS CHECKED
NO.	

DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	AREAS CHECKED
NO.	



FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -
a:\pwork\p1dot\shepardgd\0159136\perklotr\shdgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS	
SCALE: -----	SHEET NO. -- OF --- SHEETS
STA. 340+94.00 TO STA. 342+50.00	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US 45			115	115
		SALINE	115	
		CONTRACT NO. -----		
ILLINOIS FED. AID PROJECT				