

06-13-2025 LETTING ITEM 181

STATE OF ILLINOIS
CITY OF HARRISBURG

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	1
CITY OF HARRISBURG		SMALL ST/VETERANS DR		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		

FOR INDEX OF SHEETS AND
STANDARDS, SEE SHEET NO. 2

FOR SUMMARY OF
QUANTITIES, SEE SHEET NO. 3

PLANS FOR PROPOSED

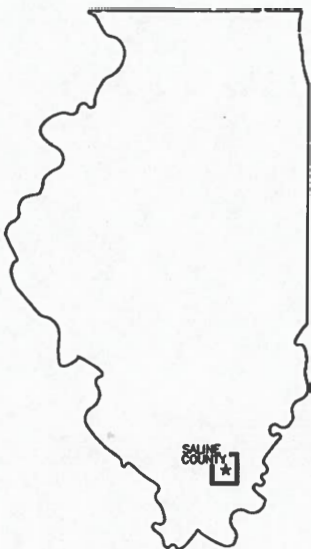
SMALL STREET AND VETERANS DRIVE
ROUNDAABOUT

SALINE COUNTY

SECTION NUMBER 23-00097-00-PV
PROJECT NO. 9XUU(674)
JOB NO. C-99-015-26

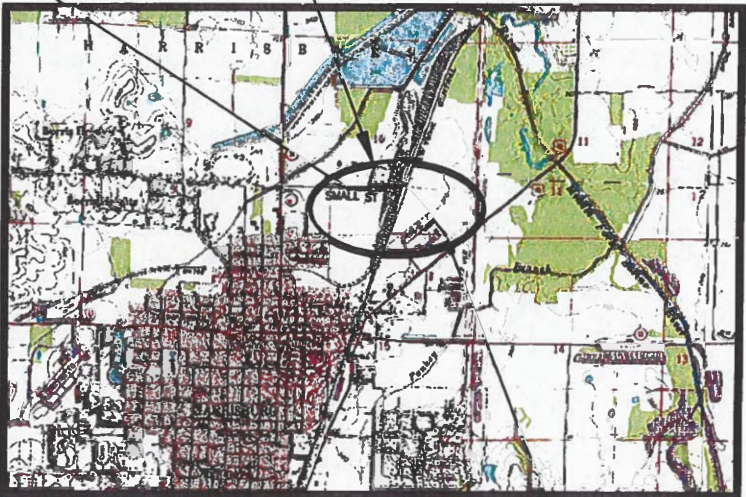
SMALL STREET ADT (2023) = 2,400
VETERANS DRIVE ADT (2023) = 1,100

DESIGN SPEED = 30 M.P.H.



PROPOSED IMPROVEMENTS

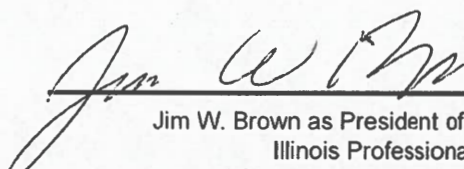
PROJECT BEGINS: STA 10+03.59
(SMALL STREET)



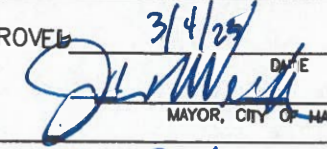
LOCATION MAP

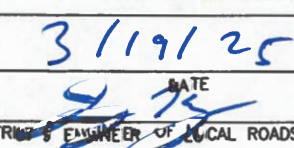
PROJECT ENDS: STA 34+43.52
(SMALL STREET)

GROSS LENGTH = 3144 FT = 0.60 MILES
NET LENGTH = 2153 FT = 0.41 MILES


J.W. BROWN
PRESIDENT
Jim W. Brown as President of Brown and Roberts, Inc.
Illinois Professional Design Firm
Land Survey & Professional Engineering Corporation
Number 184-002518
Expires April 30, 2025

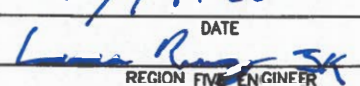
CITY OF HARRISBURG

APPROVED  DATE 3/4/25
MAYOR, CITY OF HARRISBURG

PASSED  DATE 3/19/25

DISTRICT ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW

 DATE 3/19/25
REGION FIVE ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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

CONTRACT NO. 99750

BRI JOB NO. 23-221

04 Mar 2025 - 1:04pm X:\2023\23221\AQ 23221 Cover.dwg

07 Feb 2025 - 9:41am X:\2023\23221\AC\23221 Schedules, Typ Sections, Details.dwg

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	2
CITY OF HARRISBURG		INDEX OF SHEETS AND STANDARDS		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		

INDEX OF SHEETS

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38	ROUNDAABOUT MISCELLANEOUS DETAILS
39	ROUNDAABOUT SPLITTER ISLAND GEOMETRICS
40	ROUNDAABOUT TRUCK BIB GEOMETRICS
41	ROUNDAABOUT SIDEWALK RAMPS
42	INLETS, SPECIAL DETAILS
43	MARKING DETAILS
44	SIGN DETAILS
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59-64	SIDEWALK CROSS SECTIONS

STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-10	PAVEMENT JOINTS
420101-07	24' JOINTED PCC PAVEMENT
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602401-07	PRECAST MANHOLE TYPE A 4' DIAMETER
602402-03	PRECAST MANHOLE TYPE A 5' DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS TYPE 1
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606006-04	OUTLETS FOR CONCRETE CURB AND GUTTER TYPE B-6.24
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701321-19	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
821101-03	LUMINAIRE WIRING IN POLE
830001-03	LIGHT POLE ALUMINUM MAST ARM
830021-04	LIGHT POLE STEEL TENON TOP
836001-05	LIGHT POLE FOUNDATION
838001-01	BREAKAWAY DEVICES
B.L.R. 21-9	TYP APP OF TRAF CONT DEVICES FOR CONST ON RURAL LOCAL HIGHWAYS

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		ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			23-00097-00-PV	SALINE	64	3
		CITY OF HARRISBURG		SUMMARY OF QUANTITIES		
		PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		

SUMMARY OF QUANTITIES			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	878
20400800	FURNISHED EXCAVATION	CU YD	100
20800150	TRENCH BACKFILL	CU YD	339
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	90
28000305	TEMPORARY DITCH CHECKS	FOOT	42
28000500	INLET AND PIPE PROTECTION	EACH	12
31100100	SUBBASE GRANULAR MATERIAL, TYPE A	TON	2075
42000060	WELDED WIRE REINFORCEMENT	SQ YD	2909
42000301	PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)	SQ YD	2578
42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	967
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	11171
42400800	DETECTABLE WARNINGS	SQ FT	395
44000100	PAVEMENT REMOVAL	SQ YD	2833
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	190
44000600	SIDEWALK REMOVAL	SQ FT	2572
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2
54010502	PRECAST CONCRETE BOX CULVERTS 5' X 2'	FOOT	14
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	2
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	92
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	147
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	19
550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	78

SUMMARY OF QUANTITIES (CONTINUED)			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
550B0070	STORM SEWERS, CLASS B, TYPE 1 15"	FOOT	97
550B0120	STORM SEWERS, CLASS B, TYPE 1 24"	FOOT	102
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
60222900	MANHOLES, TYPE A, 5'-DIAMETER	EACH	1
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	3
60500060	REMOVING INLETS	EACH	8
60600605	CONCRETE CURB, TYPE B	FOOT	92
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	1660
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	61
60608300	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12	FOOT	217
67100100	MOBILIZATION	L SUM	1
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1500
70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	161
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	2371
70307160	TEMPORARY PAVEMENT MARKING - LINE 12"- TYPE IV TAPE	FOOT	428
70307190	TEMPORARY PAVEMENT MARKING - LINE 18"- TYPE IV TAPE	FOOT	64
* 72000100	SIGN PANEL - TYPE 1	SQ FT	283.4
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	615
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	161
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	2371
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	428
* 78009018	MODIFIED URETHANE PAVEMENT MARKING - LINE 18"	FOOT	64
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
* 81028760	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2 1/2" DIA.	FOOT	180

* SPECIALTY ITEM

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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	4
CITY OF HARRISBURG		SUMMARY OF QUANTITIES		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		

SUMMARY OF QUANTITIES (CONTINUED)			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
* 81603000	UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	830
* 82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	8
* 82500335	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 100AMP	EACH	1
* 83008500	LIGHT POLE, ALUMINUM, 40 FT. M.H., 12 FT. MAST ARM	EACH	8
* 83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 6'	EACH	8
* 83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	32
* 84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	1
X1200160	CONNECTION TO EXISTING DRAINAGE STRUCTURE	EACH	1
X1700011	STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 4 INCH	SQ FT	1445
X2500900	SEEDING, CLASS 1 (SPECIAL)	ACRE	0.9
X4200468	STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)	SQ YD	336
X5510100	STORM SEWER REMOVAL	FOOT	387
X6024242	INLETS, SPECIAL, NO. 1	EACH	3
X6024244	INLETS, SPECIAL, NO. 2	EACH	3
X6061005	CONCRETE CURB, TYPE B (SPECIAL)	FOOT	52
X6061815	COMBINATION CONCRETE CURB AND GUTTER, TYPE M (SPECIAL)	FOOT	165
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
X8900102	TEMPORARY TRAFFIC SIGNAL INSTALLATION (SPECIAL)	L SUM	1
Z0062456	TEMPORARY PAVEMENT	SQ YD	143

* SPECIALTY ITEM

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PAVEMENT SCHEDULE							
LOCATION	PCC PAVEMENT 8" (JOINTED) (SQ YD)	STAMPED COLORED PCC PVMT 9" (JOINTED) (SQ YD)	STAMPED COLORED PCC MEDIAN SURFACE 4 INCH (SQ FT)	WELDED WIRE REINFORCEMENT (SQ YD)	TEMPORARY PCC PAVEMENT, 5 INCH (SQ YD)	SUBBASE GRANULAR MATERIAL, TYPE A (TON)	REMARKS
ROUNDABOUT							
CL100						215.5	WEST LEG
STA 1100+00.00 TO STA 1101+78.07	262.1			262.1			
STA 100+50.00 RT TO STA 101+03.79 RT	1.3		209.3				SPLITTER ISLAND
STA 100+50.00 RT TO STA 101+03.79 RT					17.8		STAGE 2 TEMP PVMT
STA 101+21.89 LT TO STA 101+55.20 LT					56.7		STAGE 2 TEMP PVMT
CL200							
STA 200+50.00 LT TO STA 201+02.85 LT					44.3		STAGE 3 TEMP PVMT
STA 200+66					6.3		STAGE 1 TEMP PVMT
STA 1700+25.23 TO STA 1500+32.08	240.4			240.4			
CL300						231.8	SOUTH LEG
STA 1500+32.08 TO STA 1202+78	218.7			218.7			
STA 300+66.02 RT TO STA 301+18.19 RT	1.3		202.0				SPLITTER ISLAND
STA 300+66.02 RT TO STA 301+18.19 RT					60.2		STAGE 3 TEMP PVMT
CL400							
STA 1300+00.00 TO STA 1301+53.97	199.6			199.6			
CL500						195.8	EAST LEG
STA 1301+53.97 TO STA 1303+12.80	223.7			223.7			
STA 500+50.00 RT TO STA 501+02.76 RT	1.3		207.0				SPLITTER ISLAND
STA 500+50.00 RT TO STA 501+02.76 RT					17.5		STAGE 3 TEMP PVMT
CL600							
STA 600+50.00 LT TO STA 601+02.54 LT					43.7		STAGE 4 TEMP PVMT
STA 1402+72.25 TO STA 1600+87.69 RT	218.1			218.1			
CL700						194.4	NORTH LEG
STA 1400+00.00 TO STA 1600+87.69	218.8			218.8			
STA 700+59.95 RT TO STA 701+12.53 RT	1.3		218.3				SPLITTER ISLAND
STA 700+65					5.6		STAGE 1 TEMP PVMT
STA 701+15					15.3		STAGE 1 TEMP PVMT
STA 701+33					20.4		STAGE 1 TEMP PVMT
CL800							
STA 1101+78.07 TO STA 1103+33.04	197.4			197.4			
CL900							
STA 900+00.00 LT TO STA 900+91.09 LT			608.5			964.4	CENTER ISLAND
CL1000							INSCRIBED CIRCLE
STA 1000+00.00 RT TO STA 1002+16.75 RT	546.7			546.7			
STA 1000+00.00 LT TO STA 1002+16.75 LT		306.8		306.8			CENTER TRUCK APRON
CL1200							
STA 1200+00 LT TO STA 1201+02 LT					36.0		STAGE 1 TEMP PVMT
STA 1201+01.19 RT TO STA 1201+79.76 RT	60.7			60.7			PVMT BEHIND CURB
CL1400							
STA 1400+42 RT TO STA 1401+04 RT					28.1		STAGE 1 TEMP PVMT
STA 1400+88.93 LT TO STA 1401+69.96 LT	63.0			63.0			PVMT BEHIND CURB
STA 1401+55 RT TO STA 1402+99 RT					31.2		STAGE 1 TEMP PVMT
CL1500							
STA 1500+14.15 RT TO STA 1500+61.45 RT		15.8		15.8			TRUCK BIB
CL1600							
STA 1600+61.23 LT TO STA 1601+03.61 LT		13.1		13.1			TRUCK BIB
TOTALS	2454	336	1445	2785	383	1802	

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23--00097--00--PV	SALINE	64	5
CITY OF HARRISBURG		SCHEDULES		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		

CURB & GUTTER AND SHOULDER SCHEDULE							
LOCATION	CONCRETE CURB, TYPE B (FOOT)	CONCRETE CURB, TYPE B (SPECIAL) (FOOT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (FOOT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (FOOT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12 (FOOT)	COMBINATION CONCRETE CURB AND GUTTER, TY M (SPECIAL) (FOOT)	REMARKS
ROUNDABOUT							
CL100/CL200							
STA 100+50.00 RT TO STA 101+03.79 RT		13	109				SPLITTER ISLAND
CL300/CL400							
STA 300+66.02 RT TO STA 301+18.19 RT		13	109				SPLITTER ISLAND
CL500/CL600							
STA 500+50.00 RT TO STA 501+02.76 RT		13	109				SPLITTER ISLAND
CL700/CL800							
STA 700+59.95 RT TO STA 701+12.53 RT		13	110				SPLITTER ISLAND
CL900							
STA 900+00.00 LT TO STA 900+91.09 LT	92						CENTER CIRCLE
CL1000							
STA 1000+00.00 LT TO STA 1002+16.75 LT					217		CENTER CIRCLE
CL1100							
STA 1100+57.05 LT TO STA 1103+33.04 LT			275				
CL1200							
STA 1200+00.00 RT TO STA 1202+78.11 RT			276				
STA 1201+13.05 LT TO STA 1202+29.96 LT						84	TRUCK BIB
CL1300							
STA 1300+00.00 RT TO STA 1303+12.80 RT			345				
CL1400							
STA 1400+00.00 LT TO STA 1402+72.25 LT			281				
STA 1400+48.03 RT TO STA 1401+58.88 RT						81	TRUCK BIB
VETERANS DRIVE							
NEW THRIVE ENTRANCE			46				
SIDEWALK							
STA 30+04				10			
STA 31+72				18			
STA 32+32				18			
STA 34+44				15			
TOTALS	92	52	1660	61	217	165	

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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	6
CITY OF HARRISBURG		SCHEDULES		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		

SIDEWALK SCHEDULE						
LOCATION	PCC SIDEWALK 5 INCH (SQ FT)	PCC PAVEMENT 8" (JOINTED) (SQ YD)	WELDED WIRE REINFORCEMENT (SQ YD)	DETECTABLE WARNINGS (SQ FT)	SUBBASE GRANULAR MATERIAL, TYPE A (TON)	REMARKS
SMALL STREET						
STA 10+33.85 TO STA 1101+14.30	3975					
STA 20+00.69 TO STA 23+79.57	1793					
STA 30+04.40 TO STA 34+43.52	1805			70.0		
SAHARA STREET						
STA 40+00.00 TO STA 42+35.62	946					
ROUNDAABOUT						
CL100						
STA 100+72.16 RT TO STA 100+82.22 RT	61			40.0		SPLITTER ISLAND
CL300						
STA 300+87.49 RT TO STA 300+97.55 RT	61			40.0		SPLITTER ISLAND
CL500						
STA 500+71.47 RT TO STA 500+81.53 RT	61			40.0		SPLITTER ISLAND
CL700						
STA 700+81.48 RT TO STA 700+91.48 RT	62			40.0		SPLITTER ISLAND
CL1100						
STA 1101+14.30 LT TO STA 1102+36.88 LT	665			41.4		NW CORNER
CL1200						
STA 1201+01.58 RT TO STA 1201+79.76 RT		61	61	41.2	15.3	SW CORNER
STA 1201+31 RT	499					MULTI-USE PATH
CL1300						
STA 1300+87.84 RT TO STA 1302+09.23 RT	1110			40.7		SE CORNER
CL1400						
STA 1400+72.04 LT TO STA 1400+88.93 LT	133					
STA 1400+88.93 LT TO STA 1401+69.96 LT		63	63	41.3	15.8	NE CORNER
TOTALS	11171	124	124	395	31	

REMOVAL AND ADJUSTMENT SCHEDULE							
LOCATION	STORM SEWER REMOVAL (FOOT)	REMOVING INLETS (EACH)	SIDEWALK REMOVAL (SQ FT)	PAVEMENT REMOVAL (SQ YD)	VALVE VAULTS TO BE ADJUSTED (EACH)	TRENCH BACKFILL (CU YD)	REMARKS
ROUNDAABOUT							
LIMITS STA 100+50.00 W, STA 1300+00.00 S, STA 500+50.00 E, AND STA 1400+00.00 N			2572	2324.7			
STA 1102+00 RT	15	1				5.9	
STA 1103+10 LT							
STA 1200+98 LT & RT	60	1				18.7	
STA 1201+09 RT TO STA 1201+43 RT	28					23.0	
STA 1201+46 RT & LT	58	1				17.2	
STA 1201+50 RT TO STA 1202+09	56					32.8	
STA 1202+09 RT & LT	29	3				15.4	
STA 1202+10 RT TO STA 1202+13 RT	3						
STA 1202+50 RT							
STA 1300+29 RT							
STA 1301+37 RT & LT	70	1				18.7	
STA 1400+23 LT							
STA 1401+21 RT & LT	68	1				24.9	
STAGE 1 REMOVALS				142.8			TEMP PVMT REMOVAL
STAGE 3 REMOVALS				36.0			TEMP PVMT REMOVAL
STAGE 4 REMOVALS				116.0			TEMP PVMT REMOVAL
STAGE 5-7 REMOVALS				183.4			TEMP PVMT REMOVAL
SMALL STREET							
STA 12+49					1		
STA 18+02					1		
STA 20+03					1		
STA 30+04				2.7			CURB REMOVAL
STA 31+72				6.0			CURB REMOVAL
STA 32+32				5.0			CURB REMOVAL
STA 34+44				5.2			CURB REMOVAL
VETERANS DRIVE							
NEW THRIVE ENTRANCE				10.7			CURB REMOVAL
TOTALS	387	8	2572	2833	3	157	

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ROUTE

SECTION

COUNTY

TOTAL SHEETS

SHEET NO.

23-00097-00-PV

SALINE

64

7

CITY OF HARRISBURG

SCHEDULES

PROJECT NO. 9XUU(674)

CONTRACT NO. 99750

STORM SEWER STUCTURES

1

STA 1400+79.29, 1.08' LT
INLET, SPECIAL, NO. 2
2'-0" x 3'-0" INSIDE DIMENSIONS
EOP EL = 362.59
BOC EL = 363.00
INV EL = 360.30 (TO 2)

2

STA 1102+52.44, 3.33' LT
INLET, SPECIAL, NO. 1
2'-6" x 5'-0" INSIDE DIMENSIONS
EOP EL = 362.66
BOC EL = 363.07
INV EL = 360.00 (FROM 1)
INV EL = 360.44 (EX 18" RCCP)
(SLOPE TOP 2% TOWARD CURB)
CONTRACTOR TO VERIFY EX STORM INV

3

STA 1000+15.99, 4.66' LT
PIPE CONNECTION
INV EL = 360.25 (TO 4)

4

STA 1000+15.99, 4.66' LT
MANHOLE, TYPE A, 4'-DIAMETER,
TYPE 1 FRAME, CLOSED LID
TOP OF FLAT SLAB TOP EL = 362.60
TOC EL = 363.89
INV EL = 360.10 (FROM 3)
INV EL = 360.10 (FROM 5)
INV EL = 360.10 (TO 6)

5

STA 1401+81.06, 14.39' LT
PRECAST REINFORCED
CONCRETE FLARED END
SECTION, 15"
INV EL = 361.20 (TO 4)

6

STA 1100+85.96, 14.67' LT
PRECAST REINFORCED
CONCRETE FLARED END
SECTION, 24"
INV EL = 359.25 (FROM 4)

7

STA 1100+66.31, 1.08' LT
INLET, SPECIAL, NO. 2
2'-0" x 3'-0" INSIDE DIMENSIONS
EOP EL = 362.34
BOC EL = 362.75
INV EL = 360.00 (TO 8)

8

STA 1100+66.31, 13.78' RT
PRECAST REINFORCED
CONCRETE FLARED END
SECTION, 12"
INV EL = 359.25 (FROM 7)

9

STA 1200+30.04, 1.08' RT
INLET, SPECIAL, NO. 2
2'-0" x 3'-0" INSIDE DIMENSIONS
EOP EL = 362.33
BOC EL = 362.74
INV EL = 360.00 (TO 10)

10

STA 1200+30.04, 14.81' RT
PRECAST REINFORCED
CONCRETE FLARED END
SECTION, 12"
INV EL = 359.00 (FROM 9)

11

STA 1202+13.19, 5.01' RT
PIPE CONNECTION
INV EL = 359.00 (TO 12)

12

STA 1201+97.82, 4.21' RT
INLET, SPECIAL, NO. 1
4'-3" x 5'-0" INSIDE DIMENSIONS
EOP EL = 362.71
BOC EL = 363.12
INV EL = 360.10 (FROM 13)
INV EL = 359.00 (FROM 11)
INV EL = 359.00 (TO 14)
(SLOPE TOP 2% TOWARD CURB)

13

STA 1300+83.17, 3.33' RT
INLET, SPECIAL, NO. 1
2'-6" x 5'-0" INSIDE DIMENSIONS
EOP EL = 362.80
BOC EL = 363.21
INV EL = 360.50 (TO 12)
(SLOPE TOP 6% TOWARD CURB)

14

STA 1201+42.91, 14.33' RT
MANHOLE, TYPE A, 5'-DIAMETER
(REUSE BEEHIVE GRATE FROM
ADJACENT MH BEING REMOVED)
TOP OF FLAT SLAB TOP EL = 363.25
INV EL = 358.98 (FROM 12)
INV EL = 359.00 (FROM 15)
INV EL = 358.98 (TO 16)

15

STA 1302+18.31, 9.27' RT
PRECAST REINFORCED
CONCRETE FLARED END
SECTION, 15"
INV EL = 361.50 (TO 14)

16

STA 1201+05.35, 14.56' RT
CONNECTION TO EXISTING
DRAINAGE STRUCTURE
(EXISTING 5'-DIA CONC MH)
EX TOP EL = 363.00
EX INV EL = 358.97
PR INV EL = 358.97 (FROM 14)

17

STA 16+02.78, 12.34' RT
BOX CULVERT END SECTION,
CULVERT NO. 1 (5'x2')
INV EL = 357.50

18

STA 16+10.97, 12.34' LT
BOX CULVERT END SECTION,
CULVERT NO. 1 (5'x2')
INV EL = 357.45

TOTALS

STORM SEWER STRUCTURE SUMMARY							
PRECAST REINFORCED CONCRETE FLARED END SECTION 12" (EACH)	PRECAST REINFORCED CONCRETE FLARED END SECTION 15" (EACH)	PRECAST REINFORCED CONCRETE FLARED END SECTION 24" (EACH)	INLET SPECIAL NO. 1 (EACH)	INLET SPECIAL NO. 2 (EACH)	MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID (EACH)	MANHOLE, TYPE A, 5'-DIAMETER, (EACH)	CONNECTION TO EXISTING DRAINAGE STRUCTURE (EACH)
2	2	1	3	3	1	1	1

STORM SEWER SCHEDULE

LOCATION		LENGTH	DIAMETER	SLOPE	CLASS	TYPE	TRENCH BACKFILL
FROM	TO	(FT)	(IN)	(%)			(CU YD)
1	2	39	12	0.15	A	1	6.7
3	4	19	18	0.79	A	1	3.9
5	4	97	15	1.13	B	1	17.7
4	6	102	24	0.79	B	1	24.3
7	8	6	12	6.25	A	1	0.3
9	10	7	12	7.69	A	1	0.3
11	12	13	36	0.00	A	1	3.2
13	12	40	12	1.00	A	1	8.6
12	14	46	36	0.04	A	1	50.5
15	14	147	15	1.70	A	2	34.7
14	16	19	36	0.05	A	1	31.3
					TOTAL =		182

STORM SEWER AND CULVERT NOTES:

1. ALL OFFSETS TO INLETS ARE TO THE CENTER OF THE STRUCTURE.

2. ALL OFFSETS AND INVERTS FOR FLARED END SECTIONS ARE AT THE END OF THE END SECTION.

TOTALS

STORM SEWER PIPE SUMMARY						
STORM SEWERS CLASS A, TYPE 1 12" (FOOT)	STORM SEWERS CLASS A, TYPE 1 15" (FOOT)	STORM SEWERS CLASS A, TYPE 1 18" (FOOT)	STORM SEWERS CLASS A, TYPE 1 36" (FOOT)	STORM SEWERS CLASS B, TYPE 1 15" (FOOT)	STORM SEWERS CLASS B, TYPE 1 24" (FOOT)	TRENCH BACKFILL (CU YD)
92	147	19	78	97	102	182

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							ROUTE	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
								23-00097-00-PV		SALINE	64	8
							CITY OF HARRISBURG		SCHEDULES			
							PROJECT NO. 9XUU(674)		CONTRACT NO. 99750			

SIGNING SCHEDULE						
LOCATION	SIGN PANEL - TYPE 1	TELESCOPING STEEL	MUTCD #	SIZE	SHAPE	REMARKS
	(SQ FT)	SIGN SUPPORT				
		(FOOT)				
ROUNABOUT (WEST LEG)						
750' WEST OF YIELD LINE	6.25	18.0	W2-6	30"x30"	DIAMOND	ROUNABOUT CIRCULATION ATOP
	2.25		W13-1	18"x18"	SQUARE	15MPH ADVISORY SPEED
250' WEST OF YIELD LINE	6.25	16.5	W3-2a	30"x30"	DIAMOND	YIELD AHEAD
STA 1201+00 RT	6.25	16.5	W11-2a	30"x30"	DIAMOND	PEDESTRIAN CROSSING
STA 1201+19 RT	3.90	16.0	R1-2	36"x36"x36"	TRIANGLE	YIELD
	9.00		R5-1	36"x36"	SQUARE	DO NOT ENTER (MOUNTED ON BACK OF YIELD)
STA 1201+42 RT	5.00	15.5	R2-1	24"x30"	RECTANGLE	15 MPH SPEED LIMIT
STA 1201+63 RT	6.25	16.5	W11-2a	30"x30"	DIAMOND	PEDESTRIAN CROSSING
STA 100+95 RT	14.19	20.5	SEE ROUNABOUT SIGN LAYOUT SHEET			GUIDE SIGN 1
STA 200+56 LT	5.00	15.5	R4-7	24"x30"	RECTANGLE	KEEP RIGHT
STA 200+97 LT	6.25	15.5	R5-1	30"x30"	SQUARE	DO NOT ENTER
ROUNABOUT (SOUTH) LEG						
290' SOUTH OF YIELD LINE	6.25	18.0	W2-6	30"x30"	DIAMOND	ROUNABOUT CIRCULATION ATOP
	2.25		W13-1	18"x18"	SQUARE	15MPH ADVISORY SPEED
150' SOUTH OF YIELD LINE	6.25	16.5	W3-2a	30"x30"	DIAMOND	YIELD AHEAD
STA 1300+95 RT	6.25	16.5	W11-2a	30"x30"	DIAMOND	PEDESTRIAN CROSSING
STA 1301+21 RT	3.90	16.0	R1-2	36"x36"x36"	TRIANGLE	YIELD
	9.00		R5-1	36"x36"	SQUARE	DO NOT ENTER (MOUNTED ON BACK OF YIELD)
STA 1301+58 RT	5.00	15.5	R2-1	24"x30"	RECTANGLE	15 MPH SPEED LIMIT
STA 1301+95 RT	6.25	16.5	W11-2a	30"x30"	DIAMOND	PEDESTRIAN CROSSING
STA 301+11 RT	15.19	20.5	SEE ROUNABOUT SIGN LAYOUT SHEET			GUIDE SIGN 2
STA 400+73 LT	5.00	15.5	R4-7	24"x30"	RECTANGLE	KEEP RIGHT
STA 401+12 LT	6.25	15.5	R5-1	30"x30"	SQUARE	DO NOT ENTER
ROUNABOUT (EAST) LEG						
680' EAST OF YIELD LINE	6.25	18.0	W2-6	30"x30"	DIAMOND	ROUNABOUT CIRCULATION ATOP
	2.25		W13-1	18"x18"	SQUARE	15MPH ADVISORY SPEED
255' EAST OF YIELD LINE	6.25	16.5	W3-2a	30"x30"	DIAMOND	YIELD AHEAD
STA 1401+72 LT	6.25	16.5	W11-2a	30"x30"	DIAMOND	PEDESTRIAN CROSSING
STA 1401+40 LT	3.90	16.0	R1-2	36"x36"x36"	TRIANGLE	YIELD
	9.00		R5-1	36"x36"	SQUARE	DO NOT ENTER (MOUNTED ON BACK OF YIELD)
STA 1401+24 LT	5.00	15.5	R2-1	24"x30"	RECTANGLE	15 MPH SPEED LIMIT
STA 1401+12 LT	6.25	16.5	W11-2a	30"x30"	DIAMOND	PEDESTRIAN CROSSING
STA 500+95 RT	14.19	20.5	SEE ROUNABOUT SIGN LAYOUT SHEET			GUIDE SIGN 3
STA 600+55 LT	5.00	15.5	R4-7	24"x30"	RECTANGLE	KEEP RIGHT
STA 600+96 LT	6.25	15.5	R5-1	30"x30"	SQUARE	DO NOT ENTER
ROUNABOUT (NORTH) LEG						
300' NORTH OF YIELD LINE	6.25	18.0	W2-6	30"x30"	DIAMOND	ROUNABOUT CIRCULATION ATOP
	2.25		W13-1	18"x18"	SQUARE	15MPH ADVISORY SPEED
150' NORTH OF YIELD LINE	6.25	16.5	W3-2a	30"x30"	DIAMOND	YIELD AHEAD
STA 1102+39 LT	6.25	16.5	W11-2a	30"x30"	DIAMOND	PEDESTRIAN CROSSING
STA 1102+13 LT	3.90	16.0	R1-2	36"x36"x36"	TRIANGLE	YIELD
	9.00		R5-1	36"x36"	SQUARE	DO NOT ENTER (MOUNTED ON BACK OF YIELD)
STA 1101+78 LT	5.00	15.5	R2-1	24"x30"	RECTANGLE	15 MPH SPEED LIMIT
STA 1101+36 LT	6.25	16.5	W11-2a	30"x30"	DIAMOND	PEDESTRIAN CROSSING
STA 701+05 RT	9.19	17.5	SEE ROUNABOUT SIGN LAYOUT SHEET			GUIDE SIGN 4
STA 800+67 LT	5.00	15.5	R4-7	24"x30"	RECTANGLE	KEEP RIGHT
STA 801+06 LT	6.25	15.5	R5-1	30"x30"	SQUARE	DO NOT ENTER
SMALL STREET						
300' EAST OF IL 34	5.00	15.5	R2-1	24"x30"	RECTANGLE	30 MPH SPEED LIMIT (REPLACES 40 MPH SIGN)
TOTALS	283.4	615				

PAVEMENT MARKING SCHEDULE							
LOCATION	MODIFIED URETHANE PAVEMENT MARKING						REMARKS
	LINE 4"		LINE 12"		LINE 18"	LET & SYM	
	YELLOW	WHITE	YELLOW	WHITE	YELLOW	WHITE	
	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(SQ FT)	
ROUNABOUT							
WEST LEG							
STA 98+72.82 TO STA 100+50.00	477		22				YELLOW LANE LINES, HATCHING 10' SPACING
STA 300+66.02 TO STA 301+18.19	107	18					SPLITTER ISLAND BORDER
STA 100+77 LT				40			CROSSWALK
STA 200+77 RT				40			CROSSWALK
STA 200+91 RT						22.3	YIELD (8' LETTERS)
STA 201+02.85 RT						18.0	YIELD LINE (TRIANGLES)
STA 1000+62 RT TO STA 1000+79 RT					14		2' SKIP - 2' DASH
SOUTH LEG							
STA 298.84 TO STA 300+66.02	490		22				YELLOW LANE LINES, HATCHING 10' SPACING
STA 301+60.18 TO STA 302+57.03	105	17					SPLITTER ISLAND BORDER
STA 300+92 LT				50			CROSSWALK
STA 400+92 RT				40			CROSSWALK
STA 401+07 RT						22.3	YIELD (8' LETTERS)
STA 402+29.69 RT						18.0	YIELD LINE (TRIANGLES)
STA 1001+10 RT TO STA 1001+32 RT					18		2' SKIP - 2' DASH
EAST LEG							
STA 498+73.83 TO STA 500+50.00	477		22				YELLOW LANE LINES, HATCHING 10' SPACING
STA 500+50.00 TO STA 501+02.76	106	18					SPLITTER ISLAND BORDER
STA 500+76 LT				40			CROSSWALK
STA 600+76 RT				40			CROSSWALK
STA 600+90 RT						22.3	YIELD (8' LETTERS)
STA 602+38.20 RT						18.0	YIELD LINE (TRIANGLES)
STA 1002+32 RT TO STA 1002+57 RT					14		2' SKIP - 2' DASH
NORTH LEG							
STA 699+05.79 TO STA 700+59.95	431		22				YELLOW LANE LINES, HATCHING 10' SPACING
STA 700+59.95 TO 701+12.53	106	19					SPLITTER ISLAND BORDER
STA 700+86 LT				50			CROSSWALK
STA 800+86 RT				40			CROSSWALK
STA 801+01 RT						22.3	YIELD (8' LETTERS)
STA 801+13.16 RT						18.0	YIELD LINE (TRIANGLES)
STA 1000+00 RT TO STA 1000+22 RT					18		2' SKIP - 2' DASH
TOTALS	2299	72	88	340	64	161	

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DRIVEWAY ENTRANCE SCHEDULE							
LOCATION	ENTRANCE TYPE	ENTRANCE WIDTH	RADIUS	PCC DRIVEWAY PAVEMENT 7 INCH	SUBBASE GRANULAR MATERIAL, TYPE A	EXISTING SURFACE TYPE	DRIVEWAY PAVEMENT REMOVAL
		(FOOT)	(FOOT)	(SQ YD)	(TON)		(SQ YD)
SMALL STREET							
STA 10+19.22 LT	CE	12 & VAR	15	67.3	16.9	AGG	
STA 12+00.01 LT	CE	30	20	145.1	36.4	AGG	
STA 13+33.06 LT	CE	40	20	187.3	46.9	AGG	
STA 14+86.37 LT	CE	30	15	136.7	34.3	AGG	
STA 15+46.84 LT	PE	12	15	61.0	15.3	AGG	
TRUSS FACTORY EAST ENT	CE	30	15	66.7	16.7	AGG	
TRUSS FACTORY WEST ENT	CE	30	15	66.7	16.7	AGG	
VETERANS DRIVE							
STA 1202+48.90 RT	CE	24	10	30.7	7.7	PCC	37.0
STA 1300+28.99 RT	CE	24	10	34.8	8.7	PCC	40.1
STA 1103+10.12 LT	CE	24	10	61.0	15.3	PCC	65.2
STA 1400+23.19 LT	CE	24	10	32.8	8.2	PCC	38.3
NEW THRIVE ENTRANCE	CE	24	10	64.8	16.2	PCC	
SAHARA STREET	CE			12.2	3.1	PCC	9.8
TOTALS				967	242		190

SEEDING AND EROSION CONTROL SCHEDULE				
LOCATION	SEEDING, CLASS 1 (SPECIAL)	TEMPORARY EROSION CONTROL SEEDING	TEMPORARY DITCH CHECKS	INLET AND PIPE PROTECTION
	(ACRE)	(POUND)	(FOOT)	(EACH)
SMALL STREET SIDEWALK				
STA 10+33.85 TO STA 19+50	0.20	20.0		1
STA 20+00.69 TO STA 23+79.57	0.10	10.0		
STA 30+04.40 TO STA 34+43.52	0.10	10.0		
SAHARA STREET SIDEWALK				
STA 10+12.08 TO STA 15+21.36	0.10	10.0		
ROUNDAABOUT	0.40	40.0	42	11
TOTALS	0.9	90	42	12

PRECAST BOX CULVERT SCHEDULE						
UPSTREAM LOCATION	UPSTREAM INVERT	DOWNSTREAM LOCATION	DOWNSTREAM INVERT	SLOPE	PRECAST CONC BOX CULVERT 5'x2' (FT)	BOX CULVERT END SECTION, CULV NO. 1 (5'x2') (EA)
				(%)		
17	357.50	18	357.45	0.19	14	2
TOTALS					14	2

25% SHRINKAGE FACTOR USED FOR EARTH EXCAVATION

EARTHWORK SCHEDULE				
LOCATION	EARTH EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	(CU YD)	(CU YD)	(CU YD)	(CU YD)
SIDEWALK (WEST OF ROUNDAABOUT)				
STA 10+34 TO STA 1101+14	159	119	78	41
SIDEWALK (EAST OF ROUNDAABOUT)				
STA 20+00 TO STA 23+80	32	24	25	-1
SIDEWALK (SMALL ST FROM SAHARA ST TO KROGER ENTRANCE)				
STA 30+04 TO STA 34+43	37	28	2	26
SIDEWALK (SAHARA ST)				
STA 40+00 TO STA 42+40	16	12	0	12
ROUNDAABOUT				
LIMITS STA 100+00 W, STA 300+00 S, STA 500+00 E, AND STA 700+00 N	634	476	141	335
TOTALS	878	659	246	413

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	9
CITY OF HARRISBURG		SCHEDULES		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		

GENERAL LAYOUT

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	10
CITY OF HARRISBURG		GENERAL LAYOUT		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		

SEE SHEETS 54 TO 64 FOR
SIDEWALK IMPROVEMENTS

SEE SHEETS 54 TO 64 FOR
SIDEWALK IMPROVEMENTS

SMALL STREET

SEE SHEETS 25 TO 53 FOR
ROUNDAABOUT IMPROVEMENTS

VETERANS DRIVE



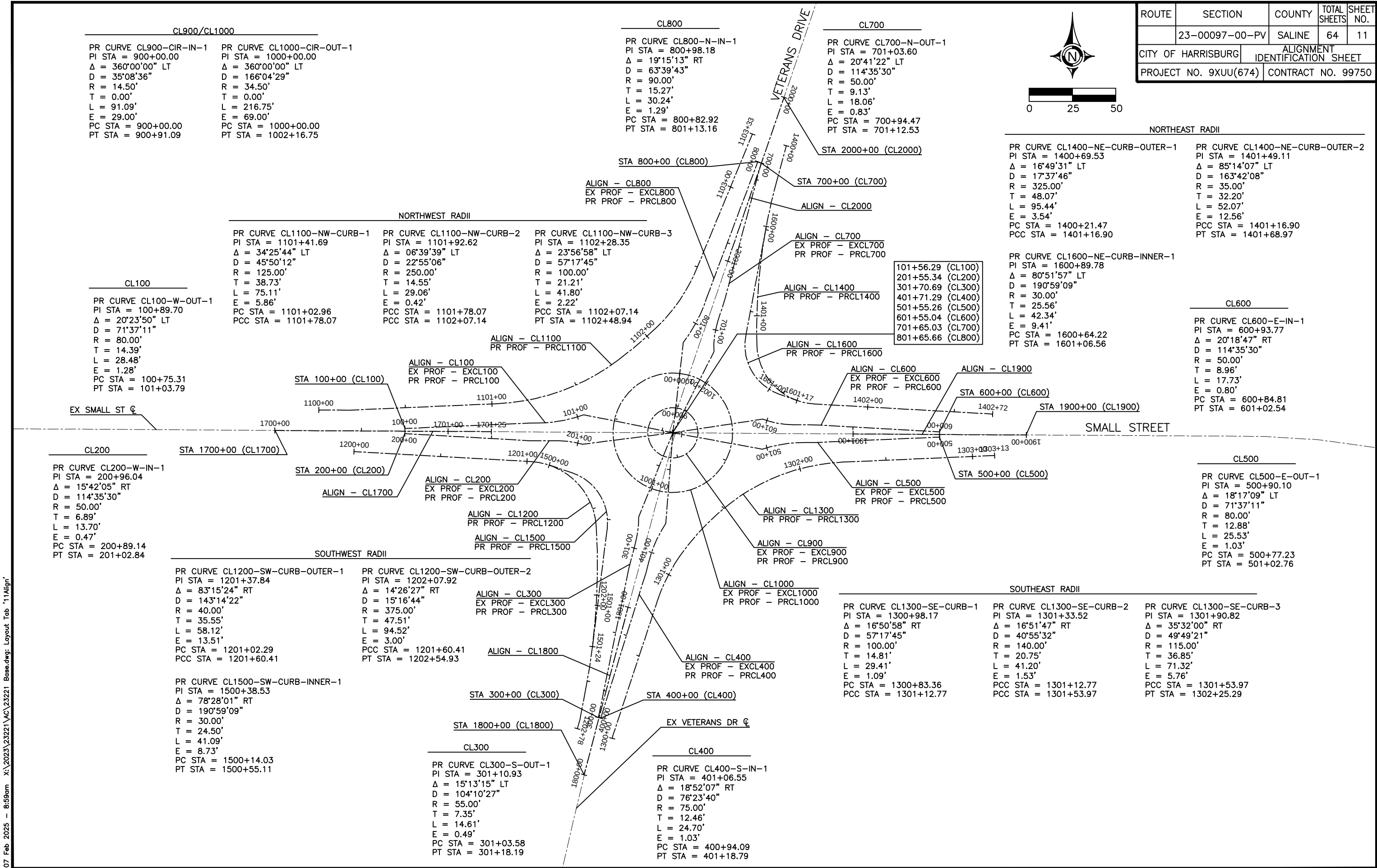
SMALL STREET

PROPOSED TRUSS FACTORY
ENTRANCES. SEE ENTRANCE
SCHEDULE FOR DIMENSIONS

SEE SHEETS 54 TO 64 FOR
SIDEWALK IMPROVEMENTS

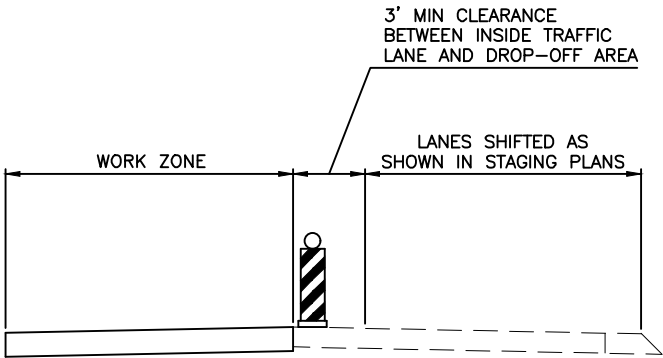
SAHARA STREET





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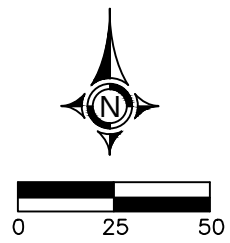
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	12
CITY OF HARRISBURG		STAGING SHEET GENERAL NOTES		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		



STAGING GENERAL NOTES

1. ALL TRAFFIC CONTROL FOR WORK SHOWN IN THE STAGING PLAN SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION (SPECIAL), LUMP SUM.
2. CONSTRUCTION OF SIDEWALKS AND DRIVEWAY ENTRANCES OUTSIDE THE LIMITS OF THE PROPOSED ROUNDABOUT MAY BE PERFORMED DURING ANY STAGE ON THIS STAGING PLAN AS LONG AS CONSTRUCTION ACTIVITIES DO NOT INTERFERE WITH MOVEMENT OF TRAFFIC.
3. VERTICAL BARRICADES @ 50' SPACING AS PER IDOT DROP-OFF POLICY. ADDITIONAL DEVICES MAY BE REQUIRED AS DIRECTED BY ENGINEER.
4. CLOSURES SHALL BE IN ACCORDANCE WITH STANDARD BLR 21.
5. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE NECESSARY AS DIRECTED BY THE ENGINEER.
6. CONFLICTING PAVEMENT MARKINGS SHALL BE COVERED WITH TYPE III TEMPORARY TAPE, BLACK.
7. WHEN PAVEMENT DROP-OFF IS TO REMAIN ADJACENT TO A LIVE TRAFFIC LANE, BARRICADES WITH PIPE EXTENSIONS SHALL BE USED TO ACHIEVE THE CORRECT ELEVATION.
8. DROP-OFFS GREATER THAN 12" LOCATED WITHIN 8' FEET OF THE EDGE OF THE NEAREST TRAFFIC LANE SHALL BE BROUGHT UP TO LESS THAN 12" BEFORE THE END OF EACH WORK DAY.
9. THIS STAGING PLAN IS SUGGESTED. THE CONTRACTOR MAY CHOOSE, BUT IS NOT REQUIRED, TO USE THIS PLAN. IF THE CONTRACTOR CHOOSES NOT TO USE THE PLAN PROVIDED HEREIN, HE/SHE SHALL SUBMIT A STAGING PLAN FOR APPROVAL WITHIN 10 DAYS OF THE AWARD OF THE CONTRACT. THE CONTRACTOR'S SUBMITTAL SHALL DETAIL THE LOCATION AND SEQUENCE OF WORK AND INCLUDE A TRAFFIC CONTROL PLAN FOR EACH STAGE.

STAGE 1
REMOVAL

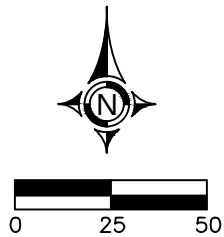


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	13
CITY OF HARRISBURG		STAGING SHEET STAGE 1		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		

LEGEND	
	REMOVAL AREAS
X	STORM SEWER REMOVAL
TT	TYPE III BARRICADES

- STAGE 1
1. SAWCUT PAVEMENT AND REMOVE EXISTING STORM SEWER AS SHOWN.
 2. CONSTRUCT PROPOSED STORM SEWER ITEMS AND TEMPORARY PCC PAVEMENTS AS SHOWN.
 3. CONSTRUCT PROPOSED ENTRANCE TO THRIVE.
 4. WORK DURING THIS STAGE TO BE COMPLETED UNDER FLAGGER CONTROL KEEPING ROADWAY OPEN TO TRAFFIC AT ALL TIMES.
 5. VERTICAL BARRICADES @ 50' SPACING AS PER IDOT DROP-OFF POLICY. ADDITIONAL DEVICES MAY BE REQUIRED AS DIRECTED BY ENGINEER.

STAGE 1
CONSTRUCTION



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	14
CITY OF HARRISBURG		STAGING SHEET STAGE 1		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		

LEGEND

 PROPOSED PCC ITEMS

 TEMPORARY PCC PAVEMENT
(5" DEPTH)

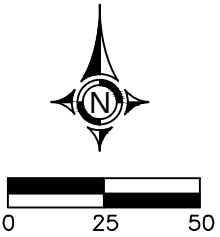
 TYPE III BARRICADES

NOTE: SEE APPLICABLE CONSTRUCTION SHEETS
AND TYPICAL SECTIONS FOR REMAINING PAY ITEMS.

- STAGE 1**
1. SAWCUT PAVEMENT AND REMOVE EXISTING STORM SEWER AS SHOWN.
 2. CONSTRUCT PROPOSED STORM SEWER ITEMS AND TEMPORARY PCC PAVEMENTS AS SHOWN.
 3. CONSTRUCT PROPOSED ENTRANCE TO THRIVE.
 4. WORK DURING THIS STAGE TO BE COMPLETED UNDER FLAGGER CONTROL KEEPING ROADWAY OPEN TO TRAFFIC AT ALL TIMES.
 5. VERTICAL BARRICADES @ 50' SPACING AS PER IDOT DROP-OFF POLICY. ADDITIONAL DEVICES MAY BE REQUIRED AS DIRECTED BY ENGINEER.

STAGE 2
REMOVAL

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	15
CITY OF HARRISBURG		STAGING SHEET STAGE 2		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		

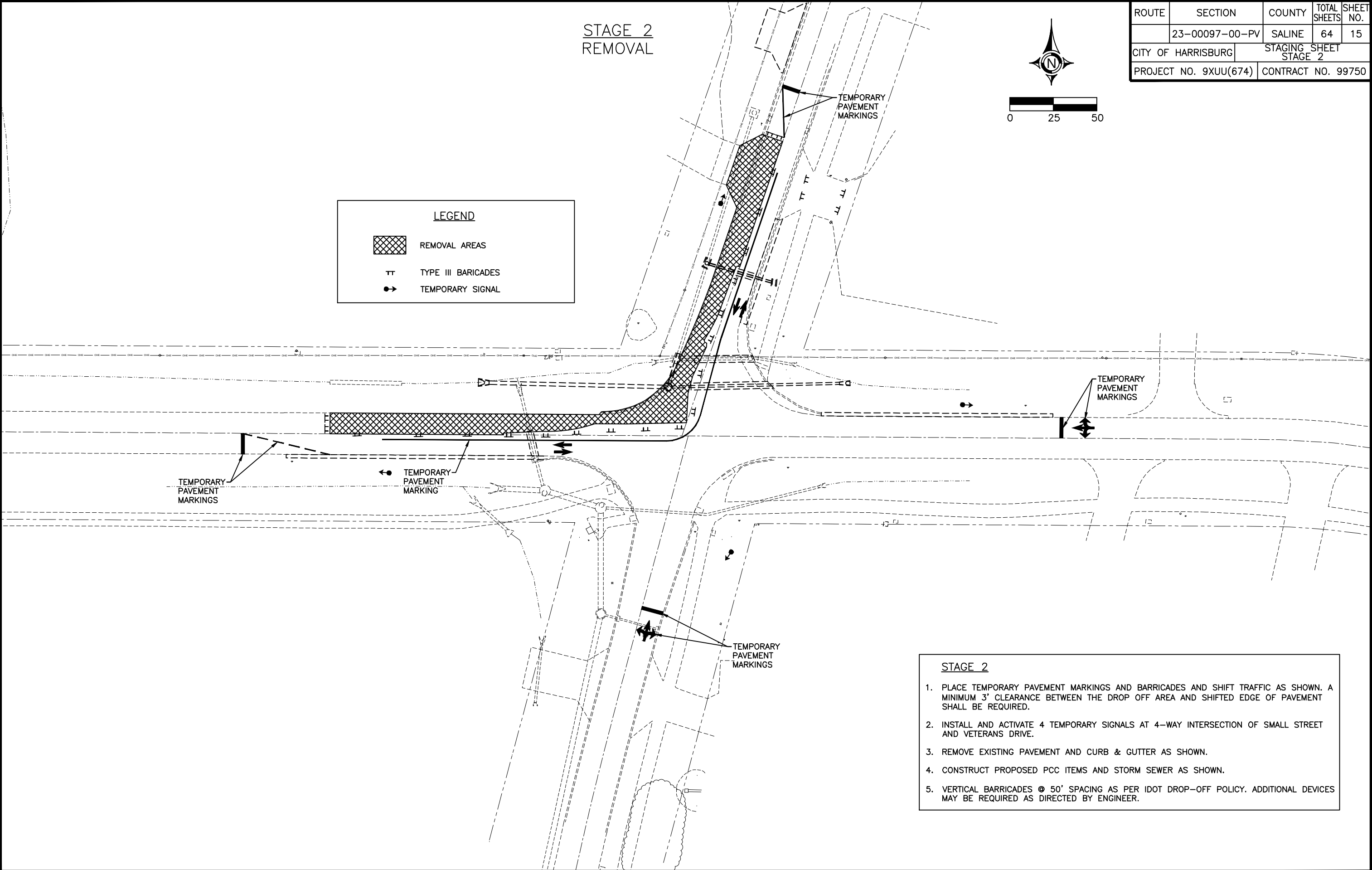


LEGEND

REMOVAL AREAS

TYPE III BARRICADES

TEMPORARY SIGNAL



STAGE 2

1.

PLACE TEMPORARY PAVEMENT MARKINGS AND BARRICADES AND SHIFT TRAFFIC AS SHOWN. A MINIMUM 3' CLEARANCE BETWEEN THE DROP OFF AREA AND SHIFTED EDGE OF PAVEMENT SHALL BE REQUIRED.

2.

INSTALL AND ACTIVATE 4 TEMPORARY SIGNALS AT 4-WAY INTERSECTION OF SMALL STREET AND VETERANS DRIVE.

3.

REMOVE EXISTING PAVEMENT AND CURB & GUTTER AS SHOWN.

4.

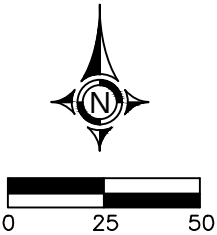
CONSTRUCT PROPOSED PCC ITEMS AND STORM SEWER AS SHOWN.

5.

VERTICAL BARRICADES @ 50' SPACING AS PER IDOT DROP-OFF POLICY. ADDITIONAL DEVICES MAY BE REQUIRED AS DIRECTED BY ENGINEER.

STAGE 2
CONSTRUCTION

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	16
CITY OF HARRISBURG		STAGING SHEET STAGE 2		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		



LEGEND

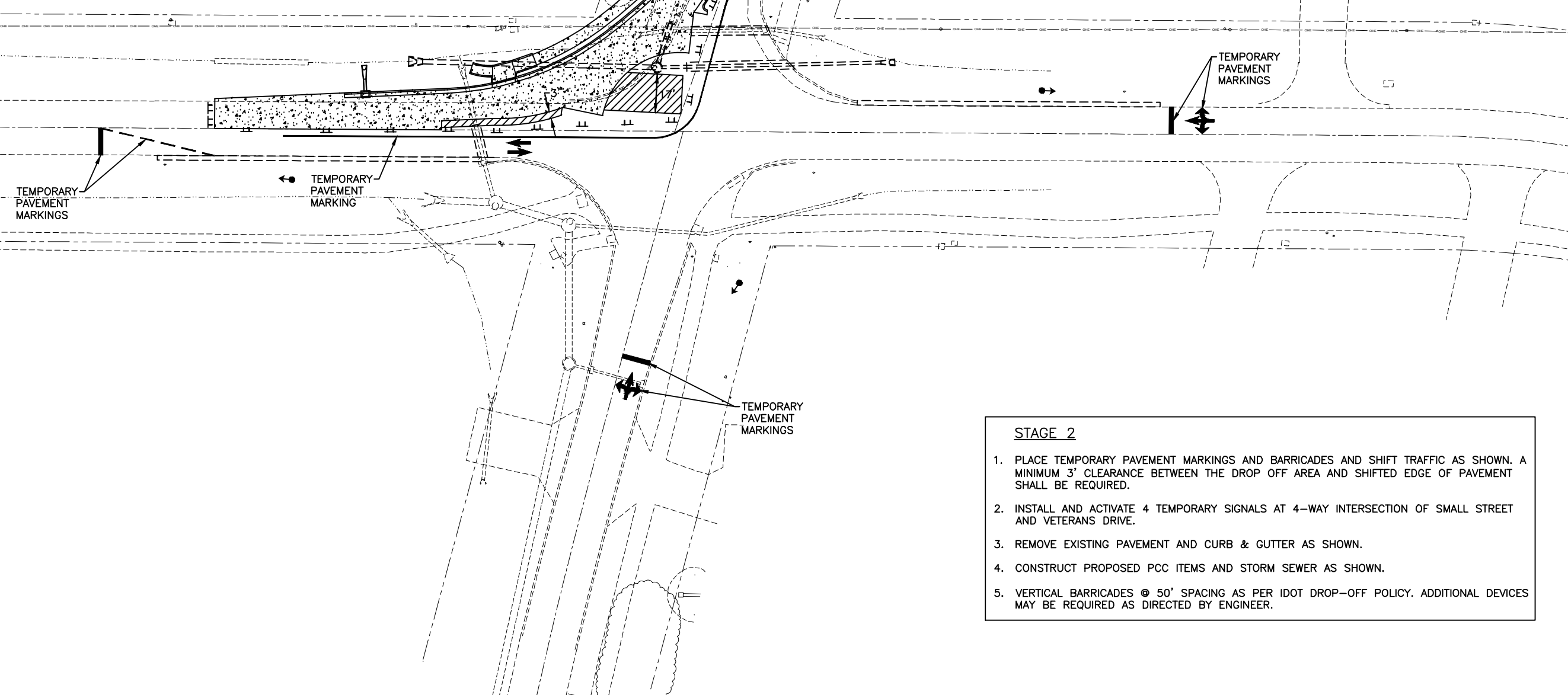
PROPOSED PCC ITEMS

TEMPORARY PCC PAVEMENT
(5" DEPTH)

TYPE III BARRICADES

TEMPORARY SIGNAL

NOTE: SEE APPLICABLE CONSTRUCTION SHEETS
AND TYPICAL SECTIONS FOR REMAINING PAY ITEMS.



STAGE 2

1.

PLACE TEMPORARY PAVEMENT MARKINGS AND BARRICADES AND SHIFT TRAFFIC AS SHOWN. A MINIMUM 3' CLEARANCE BETWEEN THE DROP OFF AREA AND SHIFTED EDGE OF PAVEMENT SHALL BE REQUIRED.

2.

INSTALL AND ACTIVATE 4 TEMPORARY SIGNALS AT 4-WAY INTERSECTION OF SMALL STREET AND VETERANS DRIVE.

3.

REMOVE EXISTING PAVEMENT AND CURB & GUTTER AS SHOWN.

4.

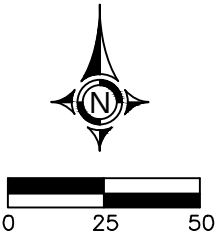
CONSTRUCT PROPOSED PCC ITEMS AND STORM SEWER AS SHOWN.

5.

VERTICAL BARRICADES @ 50' SPACING AS PER IDOT DROP-OFF POLICY. ADDITIONAL DEVICES MAY BE REQUIRED AS DIRECTED BY ENGINEER.

STAGE 3
REMOVAL

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	17
CITY OF HARRISBURG		STAGING SHEET STAGE 3		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		

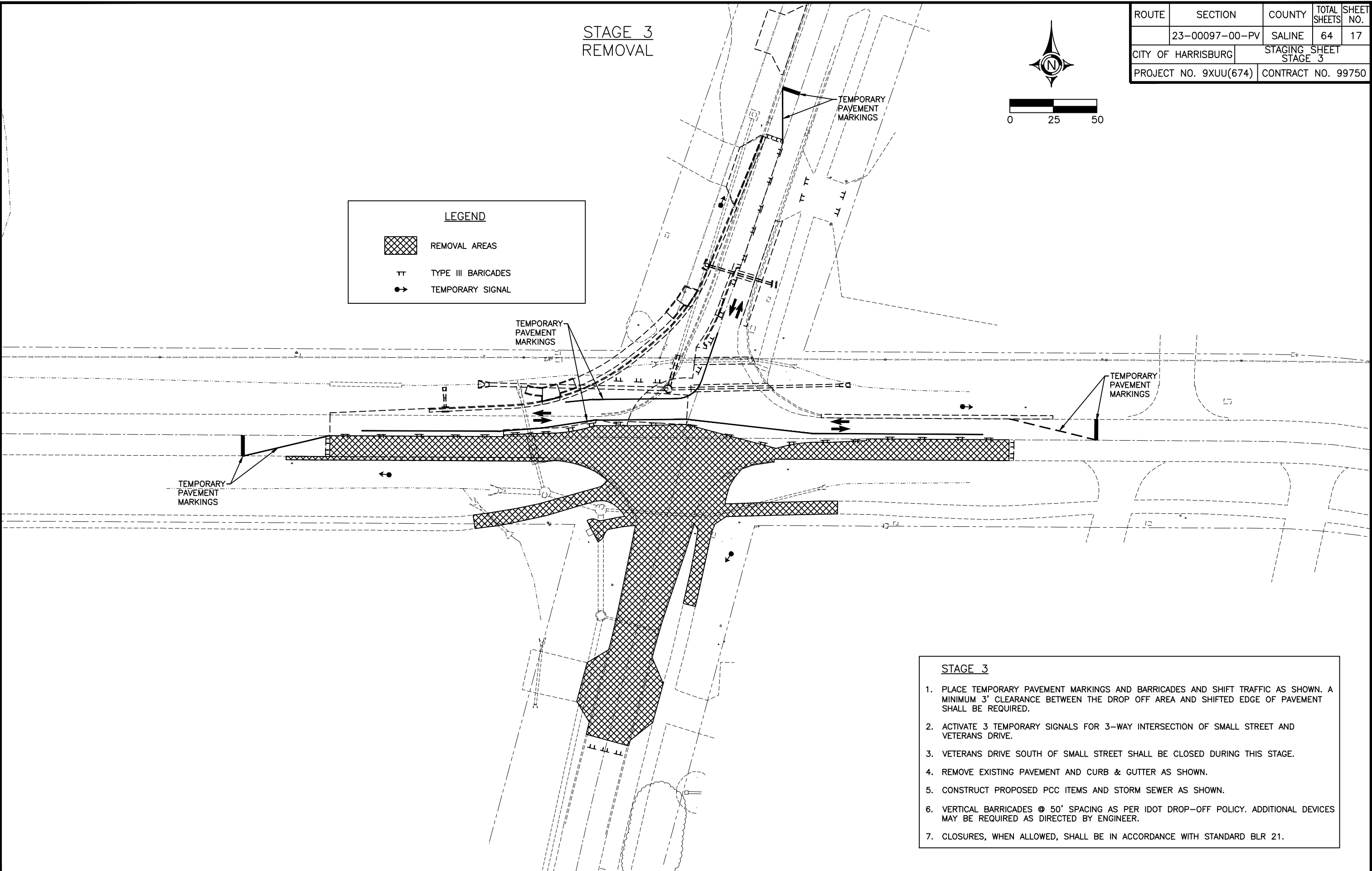


LEGEND

REMOVAL AREAS

TYPE III BARRICADES

TEMPORARY SIGNAL



- STAGE 3
1.

PLACE TEMPORARY PAVEMENT MARKINGS AND BARRICADES AND SHIFT TRAFFIC AS SHOWN. A MINIMUM 3' CLEARANCE BETWEEN THE DROP OFF AREA AND SHIFTED EDGE OF PAVEMENT SHALL BE REQUIRED.
2.

ACTIVATE 3 TEMPORARY SIGNALS FOR 3-WAY INTERSECTION OF SMALL STREET AND VETERANS DRIVE.
3.

VETERANS DRIVE SOUTH OF SMALL STREET SHALL BE CLOSED DURING THIS STAGE.
4.

REMOVE EXISTING PAVEMENT AND CURB & GUTTER AS SHOWN.
5.

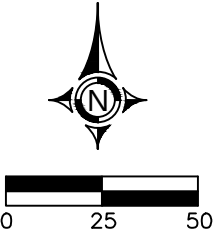
CONSTRUCT PROPOSED PCC ITEMS AND STORM SEWER AS SHOWN.
6.

VERTICAL BARRICADES @ 50' SPACING AS PER IDOT DROP-OFF POLICY. ADDITIONAL DEVICES MAY BE REQUIRED AS DIRECTED BY ENGINEER.
7.

CLOSURES, WHEN ALLOWED, SHALL BE IN ACCORDANCE WITH STANDARD BLR 21.

STAGE 3
CONSTRUCTION

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	18
CITY OF HARRISBURG		STAGING SHEET STAGE 3		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		



LEGEND

PROPOSED PCC ITEMS

TEMPORARY PCC PAVEMENT
(5" DEPTH)

TYPE III BARRICADES

TEMPORARY SIGNAL

NOTE: SEE APPLICABLE CONSTRUCTION SHEETS
AND TYPICAL SECTIONS FOR REMAINING PAY ITEMS.

TEMPORARY
PAVEMENT
MARKINGS

TEMPORARY
PAVEMENT
MARKINGS

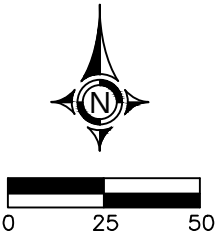
TEMPORARY
PAVEMENT
MARKINGS

STAGE 3

1. PLACE TEMPORARY PAVEMENT MARKINGS AND BARRICADES AND SHIFT TRAFFIC AS SHOWN. A MINIMUM 3' CLEARANCE BETWEEN THE DROP OFF AREA AND SHIFTED EDGE OF PAVEMENT SHALL BE REQUIRED.
2. ACTIVATE 3 TEMPORARY SIGNALS FOR 3-WAY INTERSECTION OF SMALL STREET AND VETERANS DRIVE.
3. VETERANS DRIVE SOUTH OF SMALL STREET SHALL BE CLOSED DURING THIS STAGE.
4. REMOVE EXISTING PAVEMENT AND CURB & GUTTER AS SHOWN.
5. CONSTRUCT PROPOSED PCC ITEMS AND STORM SEWER AS SHOWN.
6. VERTICAL BARRICADES @ 50' SPACING AS PER IDOT DROP-OFF POLICY. ADDITIONAL DEVICES MAY BE REQUIRED AS DIRECTED BY ENGINEER.
7. CLOSURES, WHEN ALLOWED, SHALL BE IN ACCORDANCE WITH STANDARD BLR 21.

STAGE 4
REMOVAL

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	19
CITY OF HARRISBURG		STAGING SHEET STAGE 4		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		

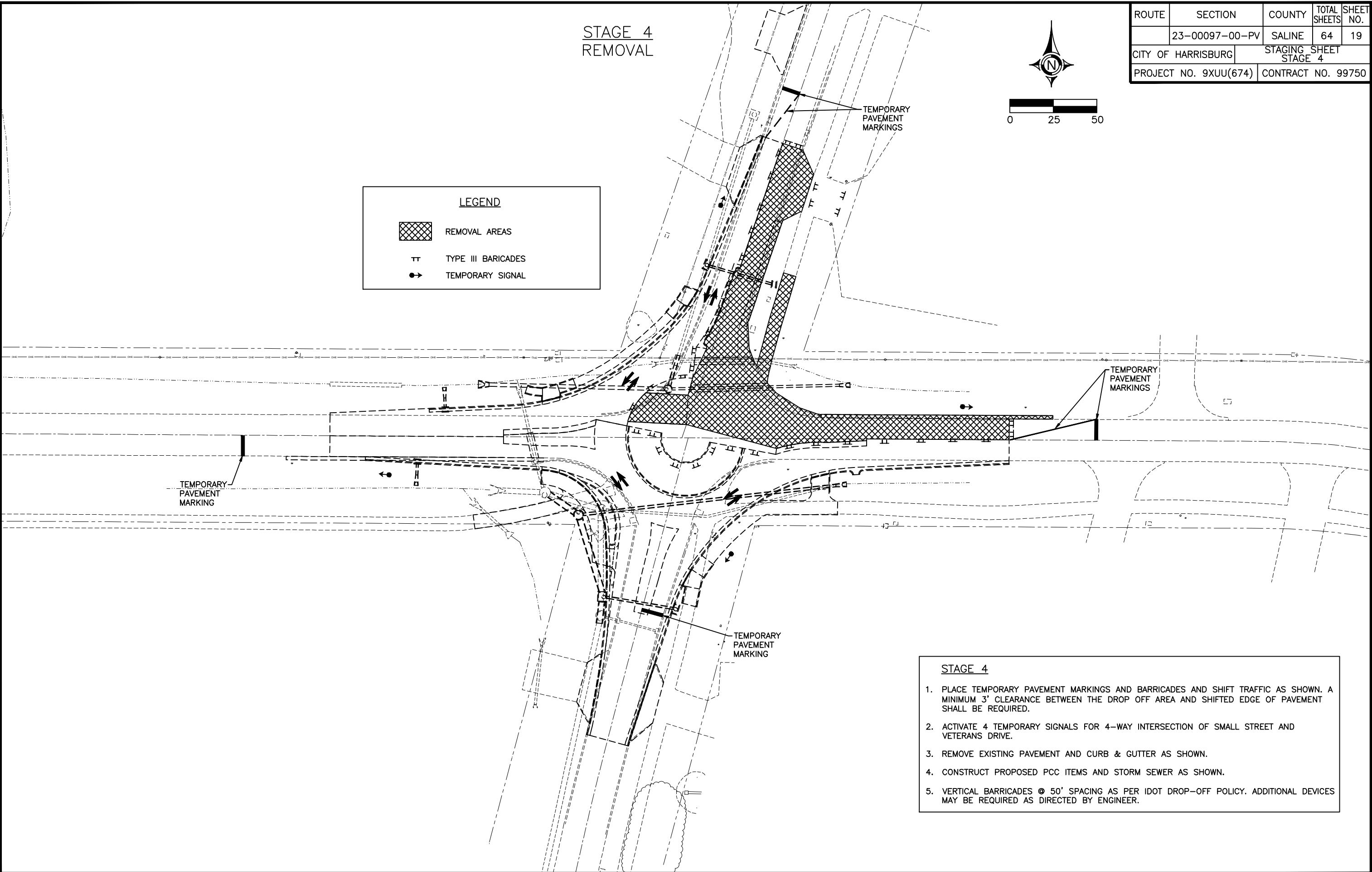


LEGEND

REMOVAL AREAS

TYPE III BARRICADES

TEMPORARY SIGNAL



STAGE 4

1.

PLACE TEMPORARY PAVEMENT MARKINGS AND BARRICADES AND SHIFT TRAFFIC AS SHOWN. A MINIMUM 3' CLEARANCE BETWEEN THE DROP OFF AREA AND SHIFTED EDGE OF PAVEMENT SHALL BE REQUIRED.

2.

ACTIVATE 4 TEMPORARY SIGNALS FOR 4-WAY INTERSECTION OF SMALL STREET AND VETERANS DRIVE.

3.

REMOVE EXISTING PAVEMENT AND CURB & GUTTER AS SHOWN.

4.

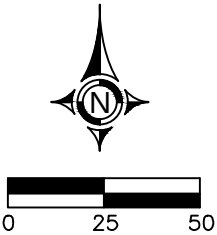
CONSTRUCT PROPOSED PCC ITEMS AND STORM SEWER AS SHOWN.

5.

VERTICAL BARRICADES @ 50' SPACING AS PER IDOT DROP-OFF POLICY. ADDITIONAL DEVICES MAY BE REQUIRED AS DIRECTED BY ENGINEER.

STAGE 4
CONSTRUCTION

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	20
CITY OF HARRISBURG		STAGING SHEET STAGE 4		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		



LEGEND

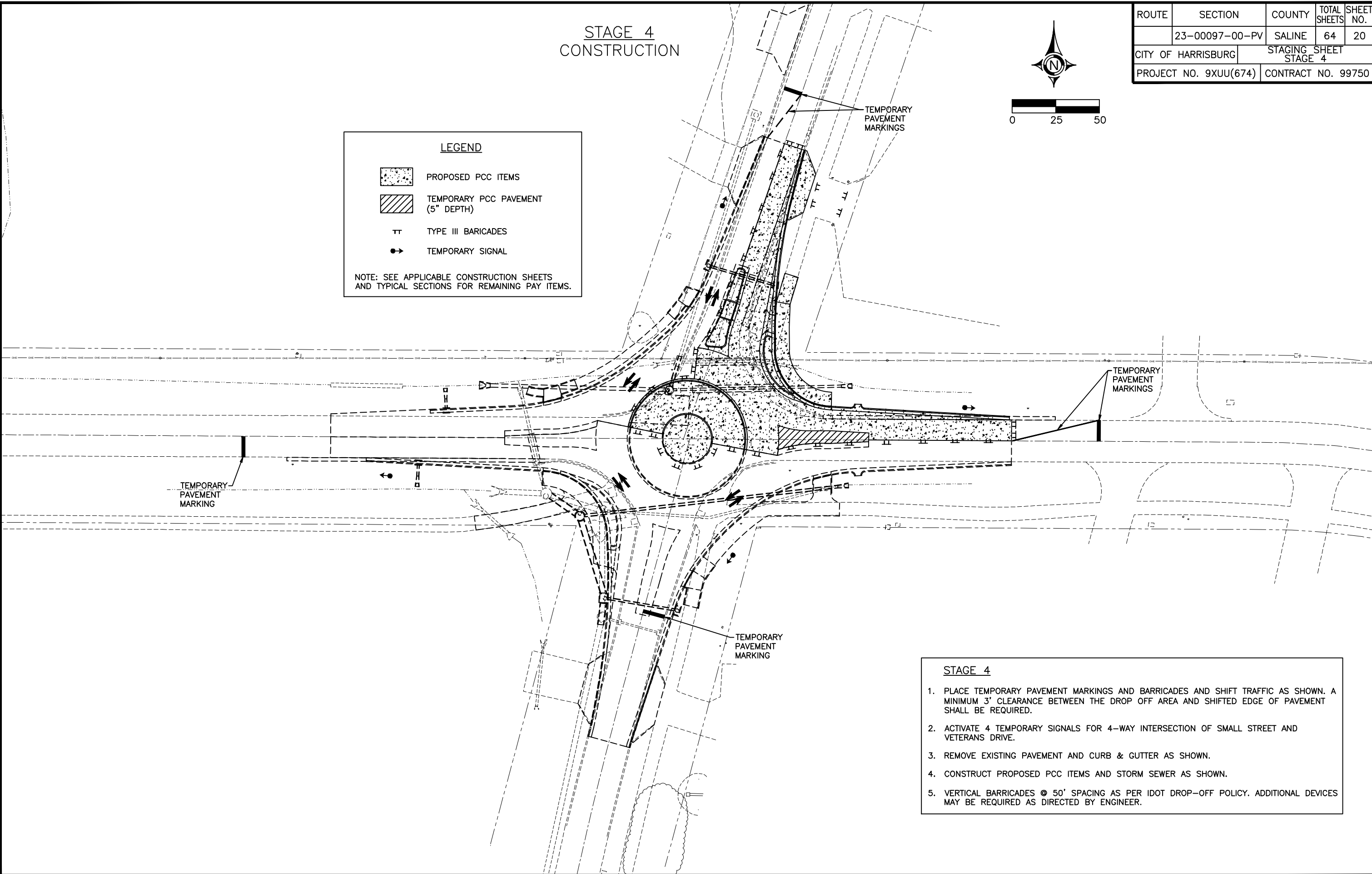
 PROPOSED PCC ITEMS

 TEMPORARY PCC PAVEMENT (5" DEPTH)

 TYPE III BARICADES

 TEMPORARY SIGNAL

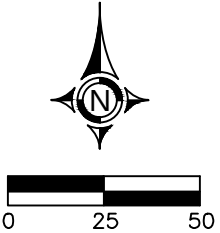
NOTE: SEE APPLICABLE CONSTRUCTION SHEETS AND TYPICAL SECTIONS FOR REMAINING PAY ITEMS.



- STAGE 4
1. PLACE TEMPORARY PAVEMENT MARKINGS AND BARRICADES AND SHIFT TRAFFIC AS SHOWN. A MINIMUM 3' CLEARANCE BETWEEN THE DROP OFF AREA AND SHIFTED EDGE OF PAVEMENT SHALL BE REQUIRED.
 2. ACTIVATE 4 TEMPORARY SIGNALS FOR 4-WAY INTERSECTION OF SMALL STREET AND VETERANS DRIVE.
 3. REMOVE EXISTING PAVEMENT AND CURB & GUTTER AS SHOWN.
 4. CONSTRUCT PROPOSED PCC ITEMS AND STORM SEWER AS SHOWN.
 5. VERTICAL BARRICADES @ 50' SPACING AS PER IDOT DROP-OFF POLICY. ADDITIONAL DEVICES MAY BE REQUIRED AS DIRECTED BY ENGINEER.

STAGE 5, 6 & 7
REMOVAL

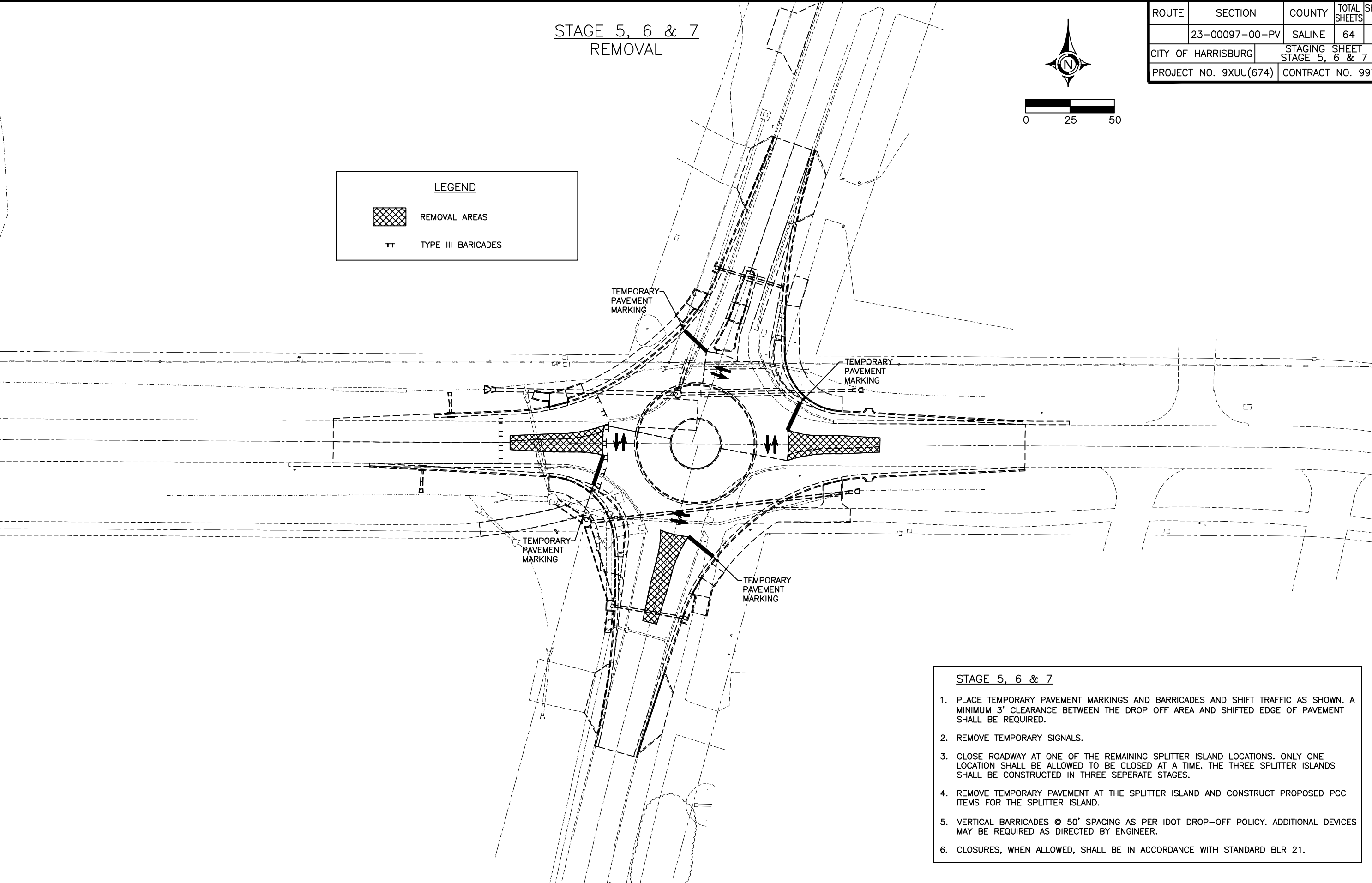
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	21
CITY OF HARRISBURG		STAGING SHEET STAGE 5, 6 & 7		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		



LEGEND

REMOVAL AREAS

TYPE III BARRICADES



- STAGE 5, 6 & 7
1.

PLACE TEMPORARY PAVEMENT MARKINGS AND BARRICADES AND SHIFT TRAFFIC AS SHOWN. A MINIMUM 3' CLEARANCE BETWEEN THE DROP OFF AREA AND SHIFTED EDGE OF PAVEMENT SHALL BE REQUIRED.
2.
- REMOVE TEMPORARY SIGNALS.

3.

CLOSE ROADWAY AT ONE OF THE REMAINING SPLITTER ISLAND LOCATIONS. ONLY ONE LOCATION SHALL BE ALLOWED TO BE CLOSED AT A TIME. THE THREE SPLITTER ISLANDS SHALL BE CONSTRUCTED IN THREE SEPERATE STAGES.

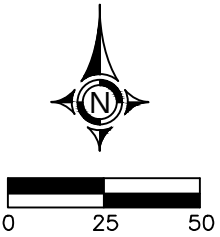
4.

5.

6.

STAGE 5, 6 & 7
CONSTRUCTION

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	22
CITY OF HARRISBURG		STAGING SHEET STAGE 5, 6 & 7		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		



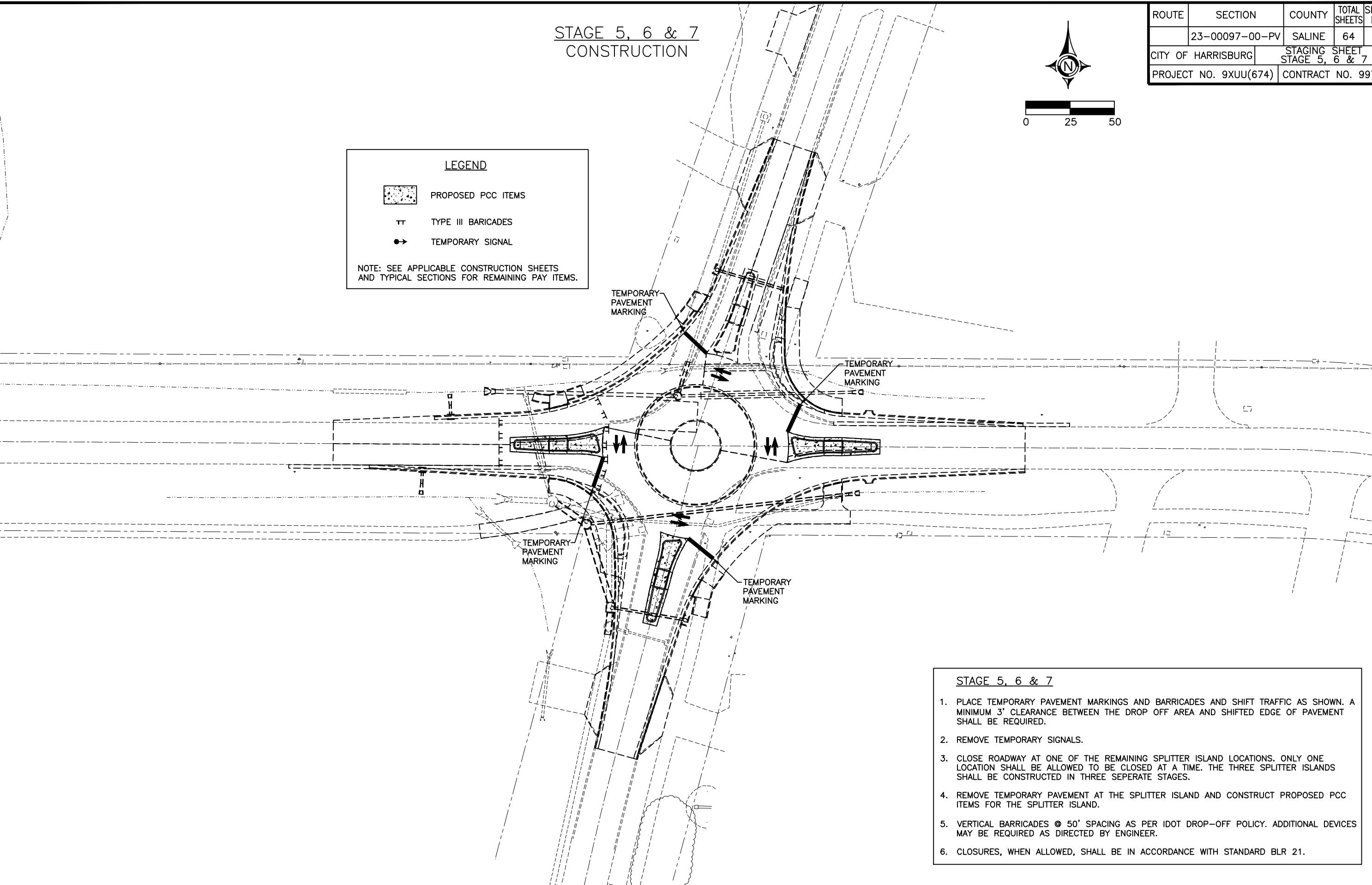
LEGEND

PROPOSED PCC ITEMS

TYPE III BARRICADES

TEMPORARY SIGNAL

NOTE: SEE APPLICABLE CONSTRUCTION SHEETS AND TYPICAL SECTIONS FOR REMAINING PAY ITEMS.



- STAGE 5, 6 & 7
1. PLACE TEMPORARY PAVEMENT MARKINGS AND BARRICADES AND SHIFT TRAFFIC AS SHOWN. A MINIMUM 3' CLEARANCE BETWEEN THE DROP OFF AREA AND SHIFTED EDGE OF PAVEMENT SHALL BE REQUIRED.
 2. REMOVE TEMPORARY SIGNALS.
 3. CLOSE ROADWAY AT ONE OF THE REMAINING SPLITTER ISLAND LOCATIONS. ONLY ONE LOCATION SHALL BE ALLOWED TO BE CLOSED AT A TIME. THE THREE SPLITTER ISLANDS SHALL BE CONSTRUCTED IN THREE SEPERATE STAGES.
 4. REMOVE TEMPORARY PAVEMENT AT THE SPLITTER ISLAND AND CONSTRUCT PROPOSED PCC ITEMS FOR THE SPLITTER ISLAND.
 5. VERTICAL BARRICADES @ 50' SPACING AS PER IDOT DROP-OFF POLICY. ADDITIONAL DEVICES MAY BE REQUIRED AS DIRECTED BY ENGINEER.
 6. CLOSURES, WHEN ALLOWED, SHALL BE IN ACCORDANCE WITH STANDARD BLR 21.

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.

INTENDED SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES

- 1. Pavement removal, excavation and grading.
- 2. Storm Sewers and Drainage Structures.
- 3. Placement of aggregate base.
- 4. Placement of PCC items.
- 5. Placement of Pavement Markings and Signs.
- 6. Seeding and permanent erosion control systems.

AREA OF CONSTRUCTION SITE

- 1. The total area of the construction site is estimated to be 3.5 Acres of which approximately 0.9 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 sewers and culverts are tributary to existing discharge points. 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.

John McPeck, Mayor 3/4/25 Date

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	23
CITY OF HARRISBURG		STORM WATER POLLUTION PREVENTION PLAN		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		

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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) 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

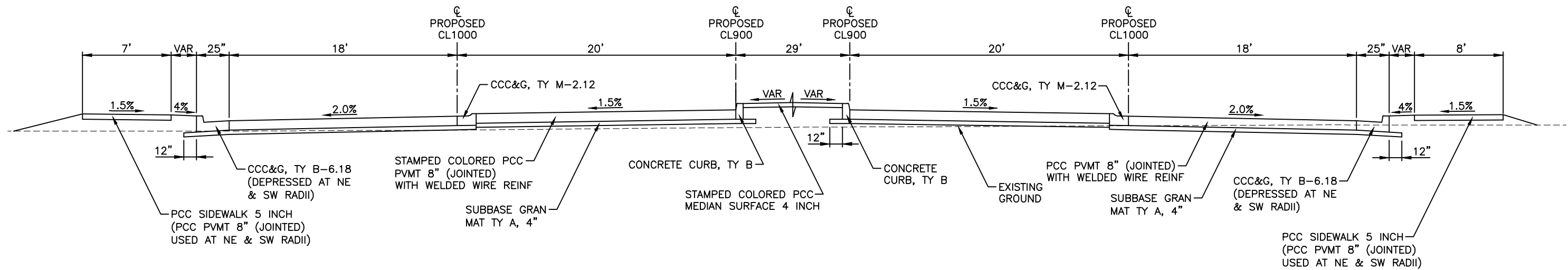
1. Construction is complete after FINAL acceptance by I.D.O.T. final inspection. Maintenance up to this date will be by the contractor.

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.

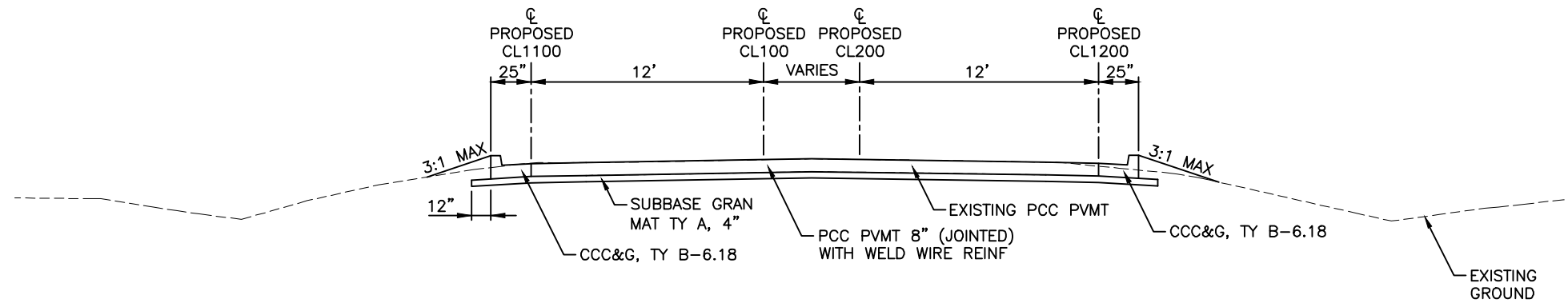
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	24
CITY OF HARRISBURG		STORM WATER POLLUTION PREVENTION PLAN		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	25
CITY OF HARRISBURG		ROUNDBABOUT TYPICAL SECTIONS		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		

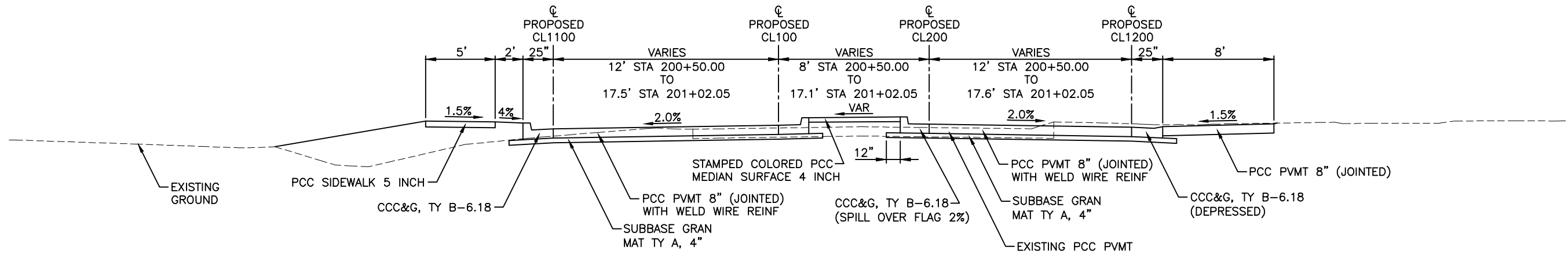


CIRCULAR ROADWAY TYPICAL SECTION

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	26
CITY OF HARRISBURG		ROUNDAABOUT TYPICAL SECTIONS - CL200		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		

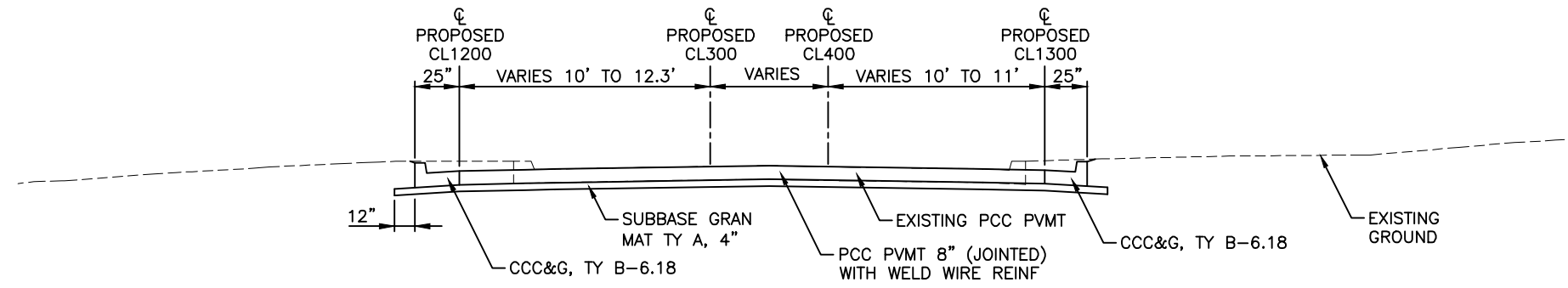


TO BE USED
STA 1100+00 TO STA 1101+00
WEST LEG LOOKING EAST

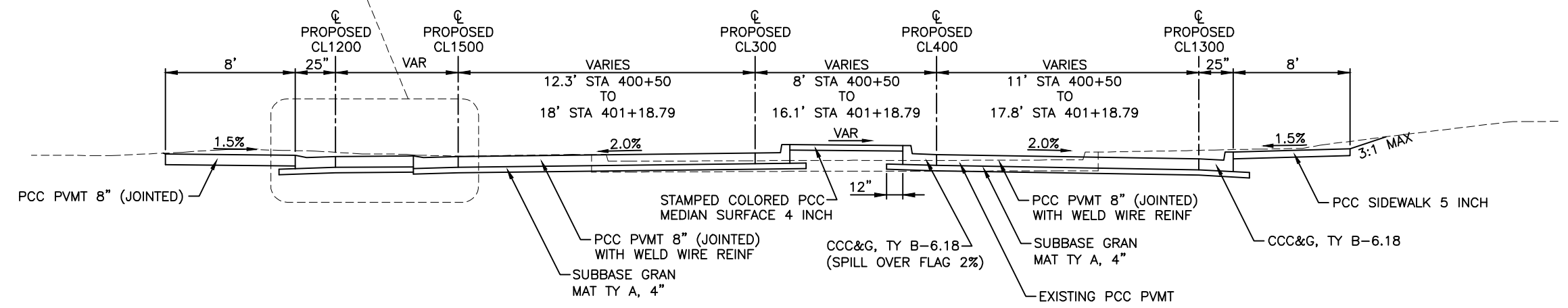
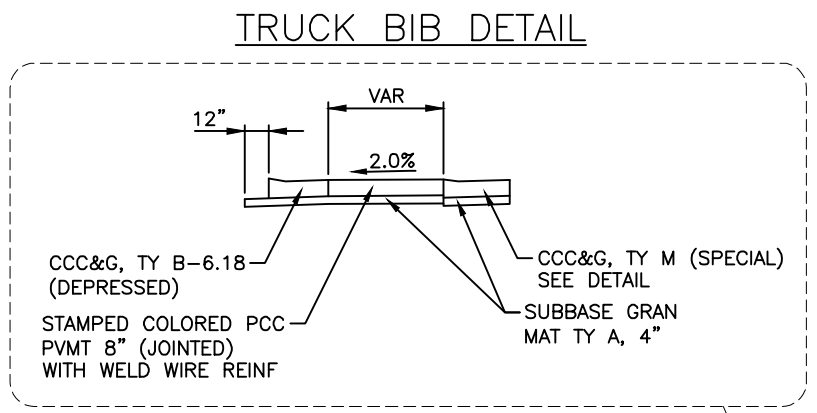


TO BE USED
STA 200+50 TO STA 201+02.05
WEST LEG LOOKING EAST

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	27
CITY OF HARRISBURG		ROUNDAABOUT TYPICAL SECTIONS - CL400		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		



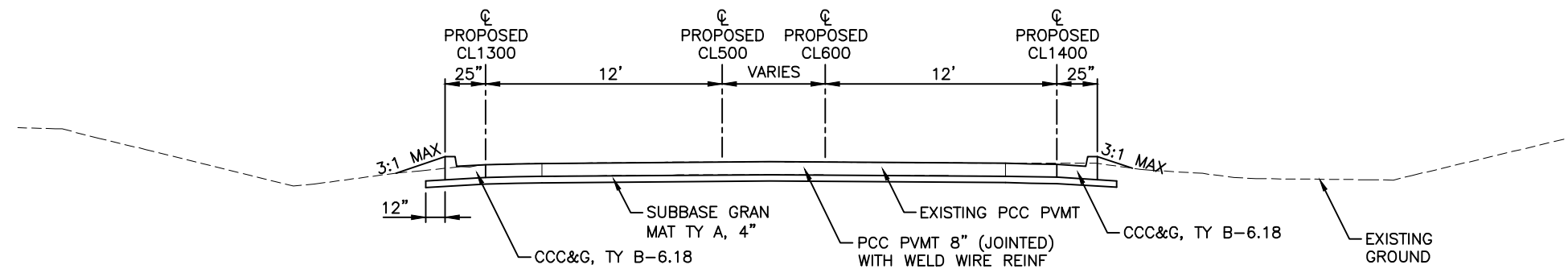
TO BE USED
STA 1300+00 TO STA 1300+59.5
SOUTH LEG LOOKING NORTH



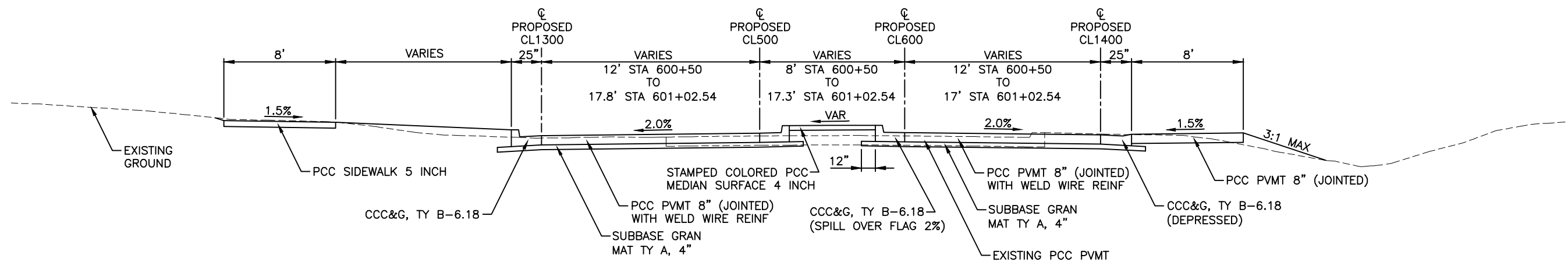
TO BE USED
STA 400+50 TO STA 401+18.79
SOUTH LEG LOOKING NORTH

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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	28
CITY OF HARRISBURG		ROUNDAABOUT TYPICAL SECTIONS - CL600		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		

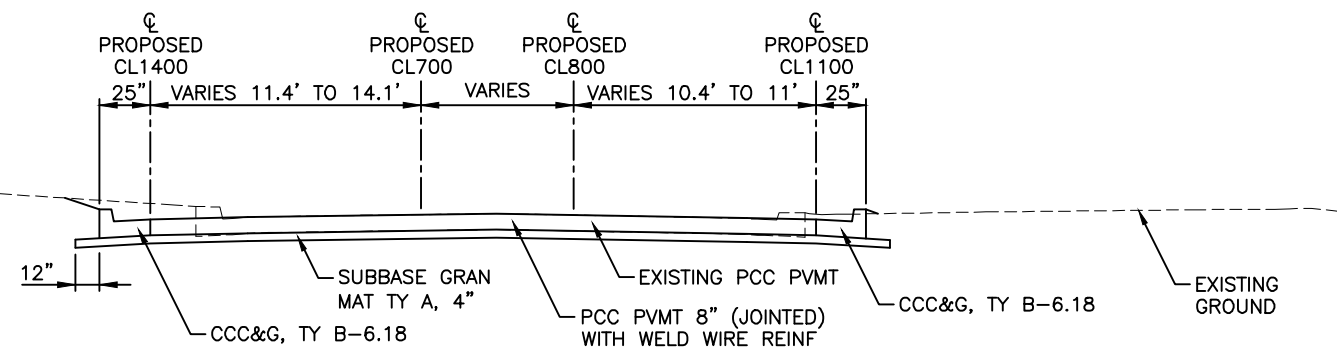


TO BE USED
STA 1401+92 TO STA 1402+72
EAST LEG LOOKING WEST



TO BE USED
STA 600+50 TO STA 601+02.54
EAST LEG LOOKING WEST

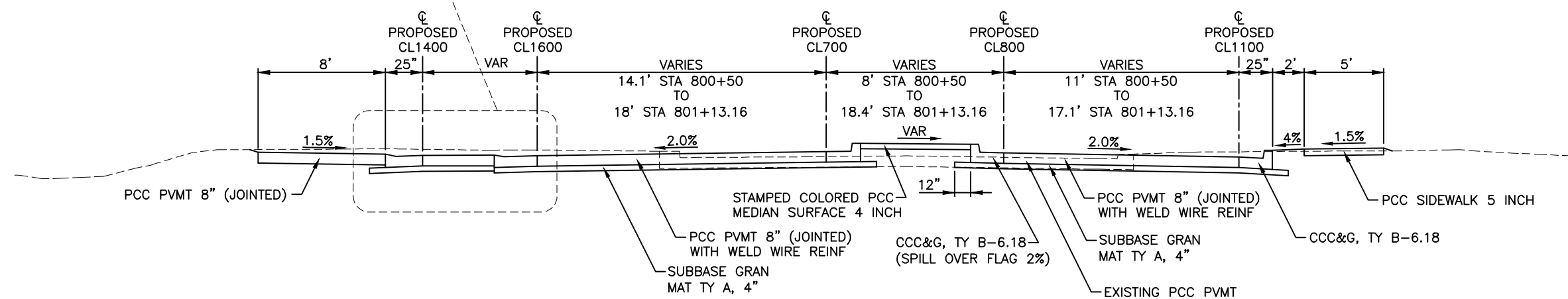
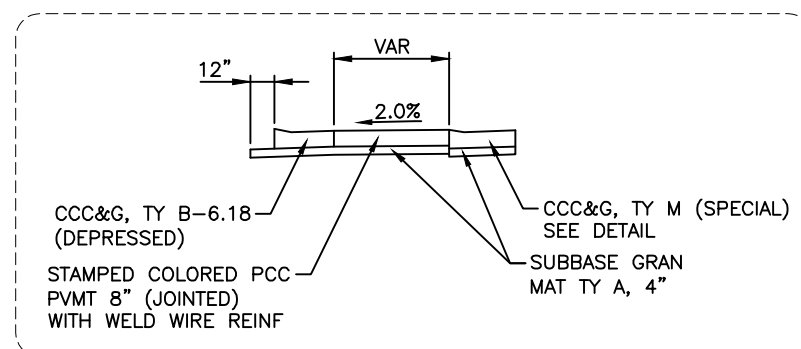
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	29
CITY OF HARRISBURG	ROUNDABOUT TYPICAL SECTIONS - CL800			
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		



TO BE USED

STA 1102+69 TO STA 1103+33
NORTH LEG LOOKING SOUTH

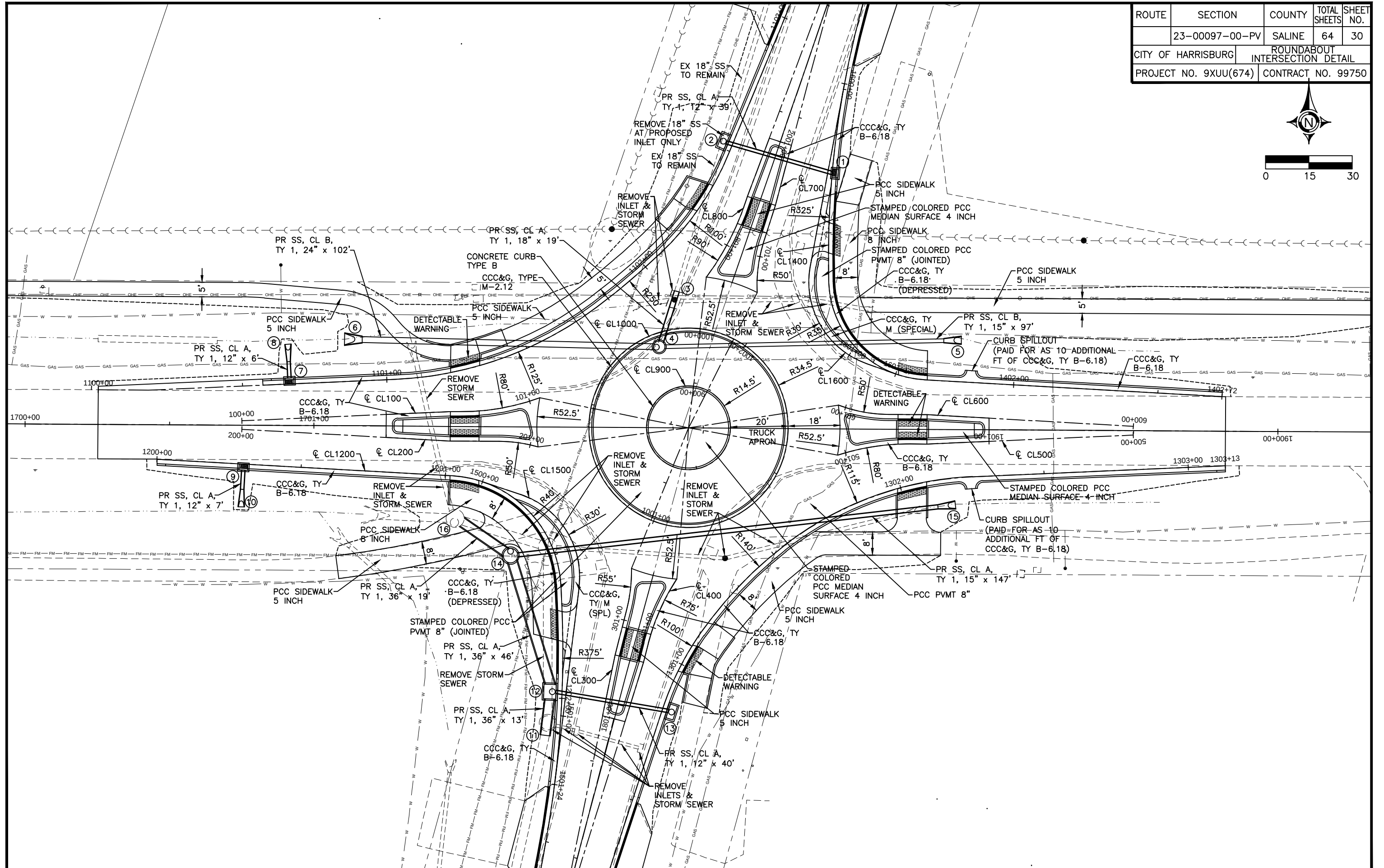
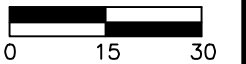
TRUCK BIB DETAIL

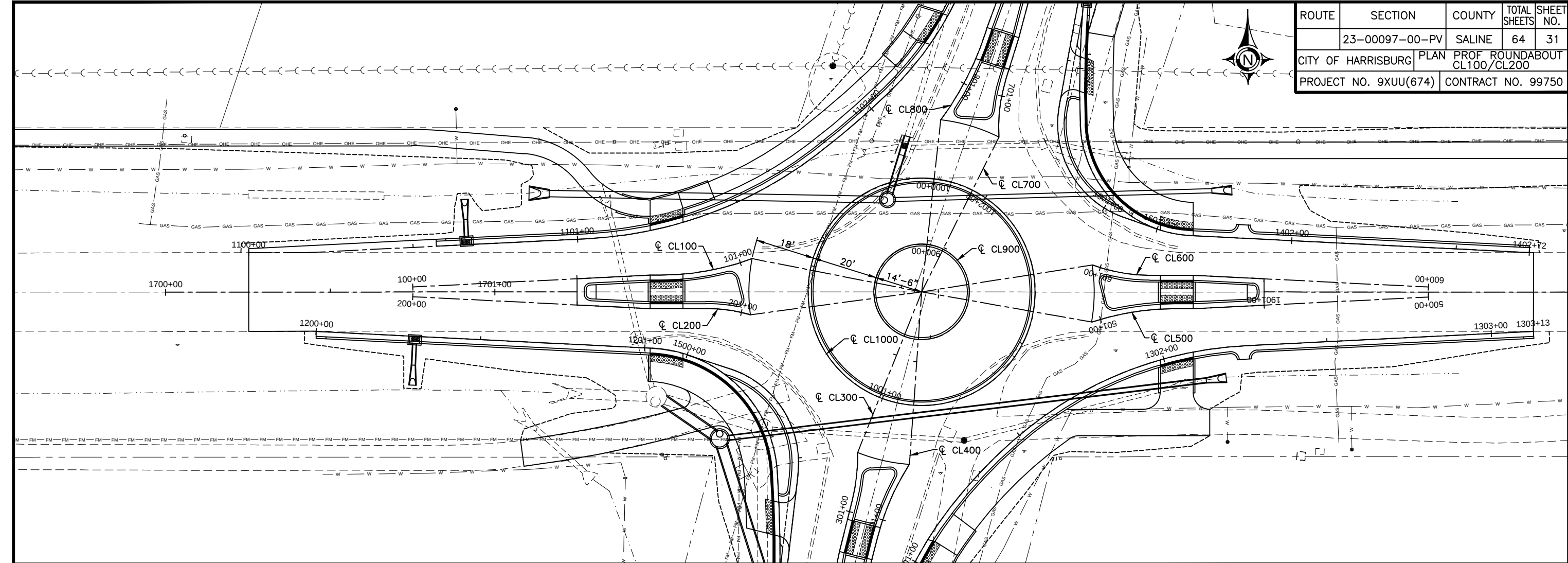


TO BE USED

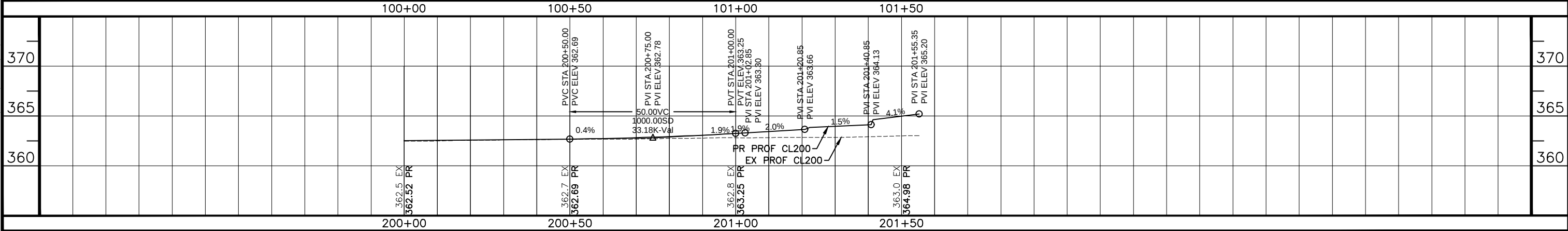
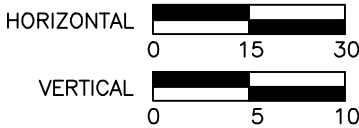
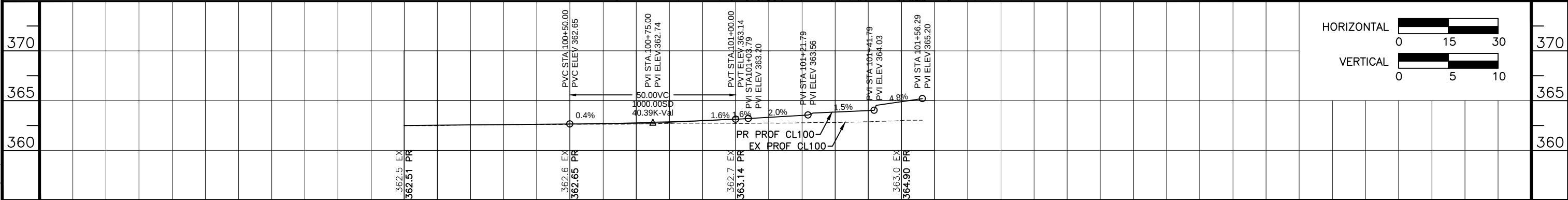
STA 800+50 TO STA 801+13.16
NORTH LEG LOOKING SOUTH

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	30
CITY OF HARRISBURG	ROUNDABOUT INTERSECTION DETAIL			
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		



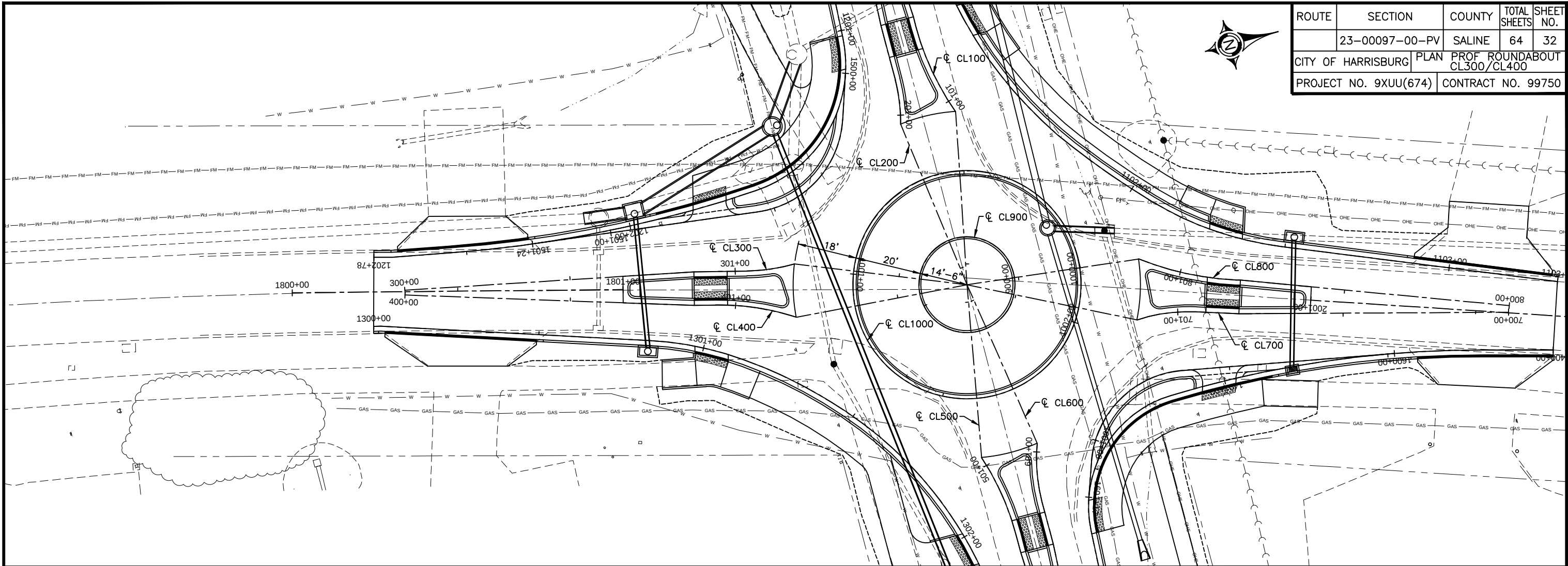


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	31
CITY OF HARRISBURG		PLAN PROF ROUNDABOUT CL100/CL200		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		

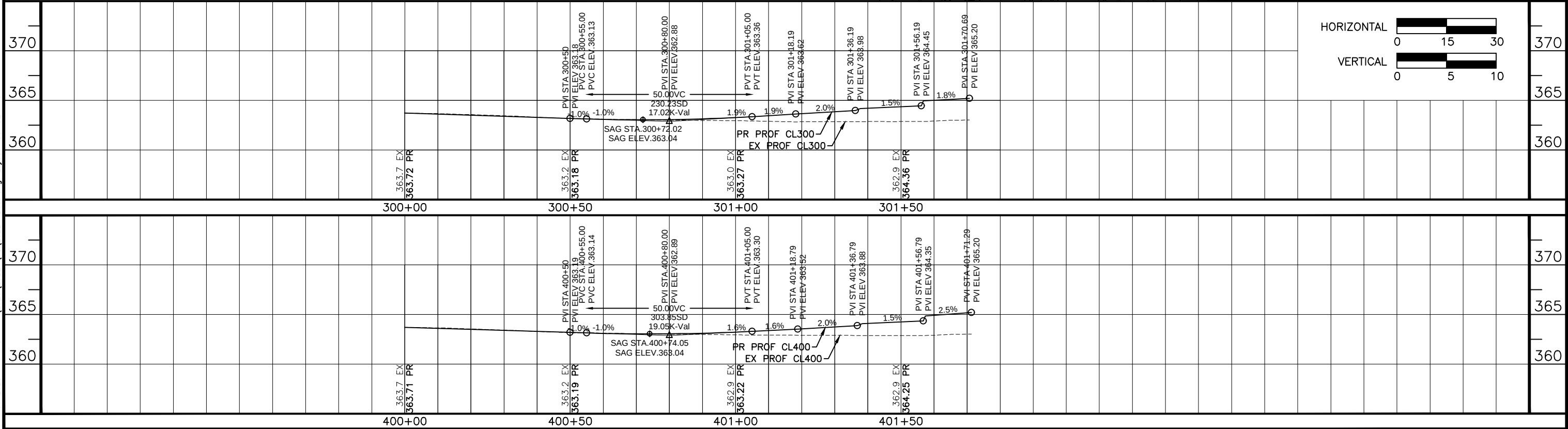


07 Feb 2025 - 9:01am X:\2023\2322\AC\23221 Base.dwg: Layout Tab '31PP W'

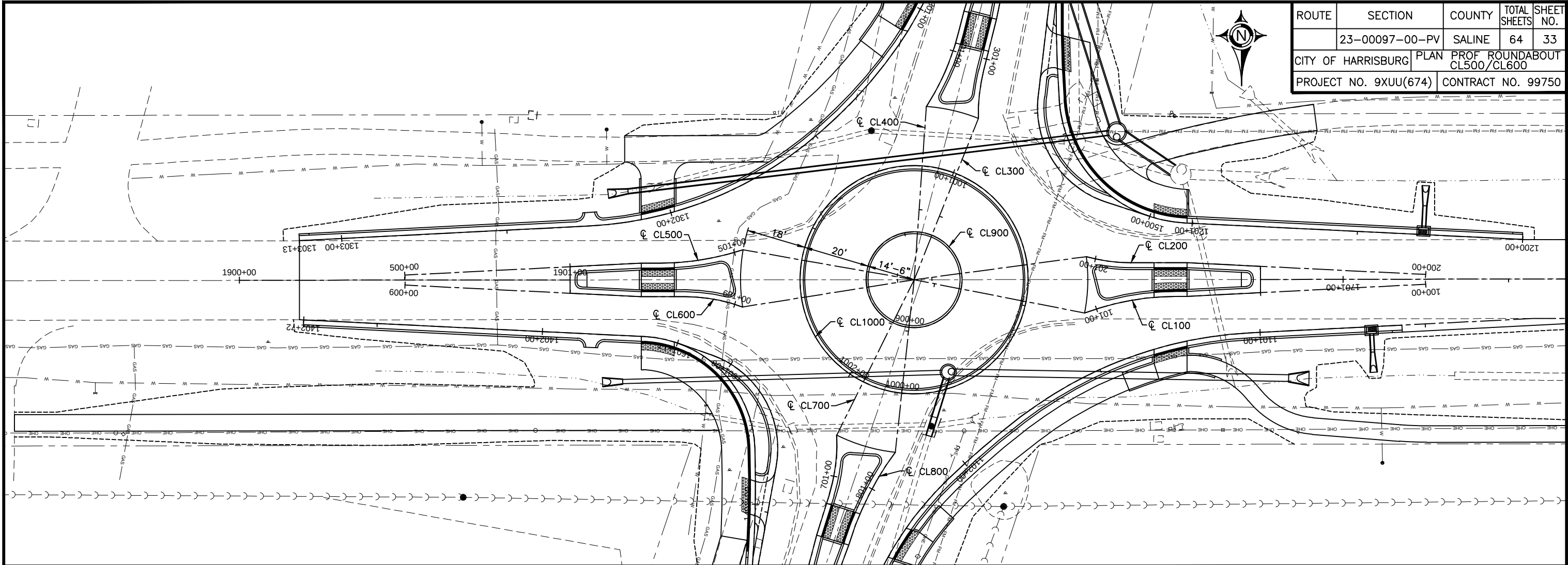
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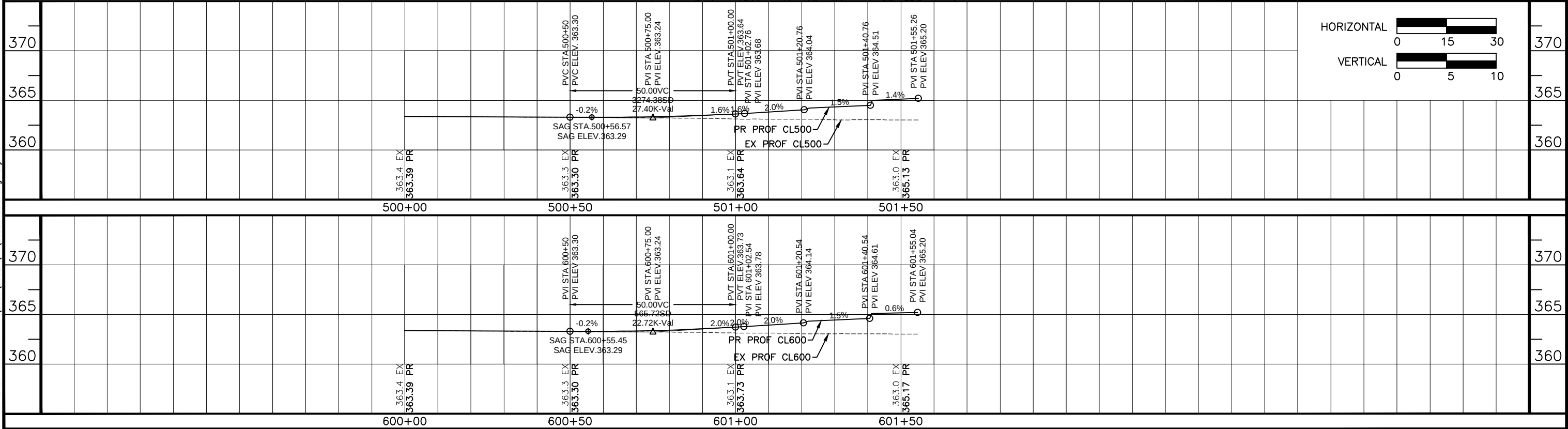
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	32
CITY OF HARRISBURG		PLAN PROF ROUNDABOUT CL300/CL400		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		



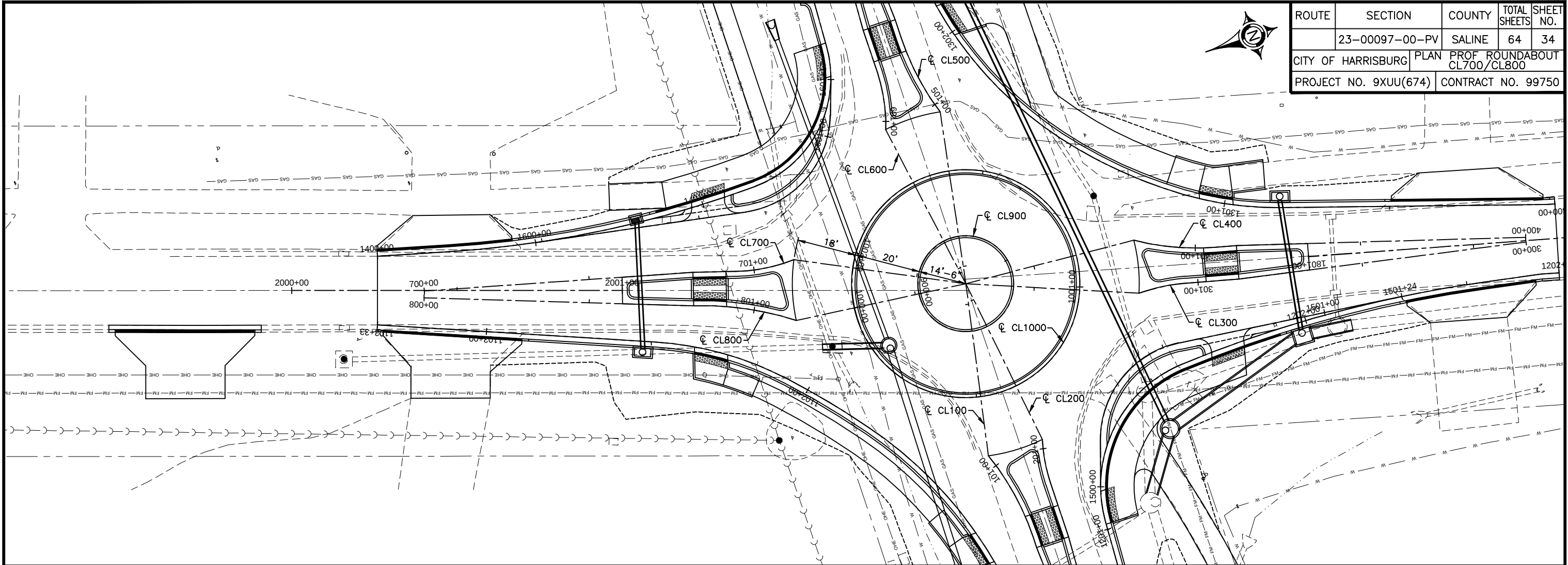
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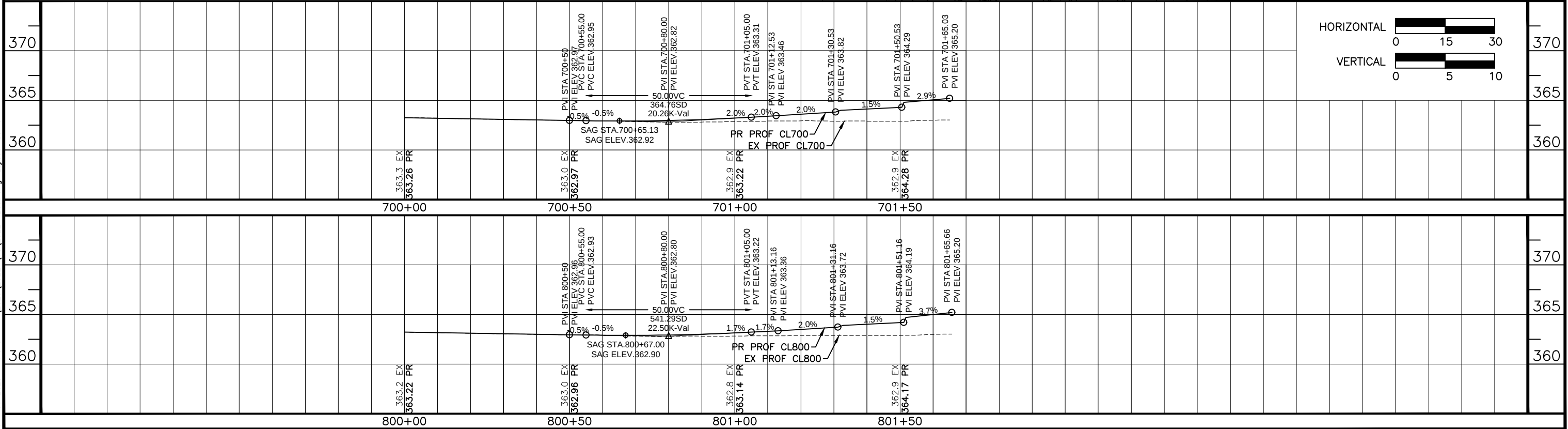
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	33
CITY OF HARRISBURG		PLAN PROF ROUNDABOUT CL500/CL600		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		



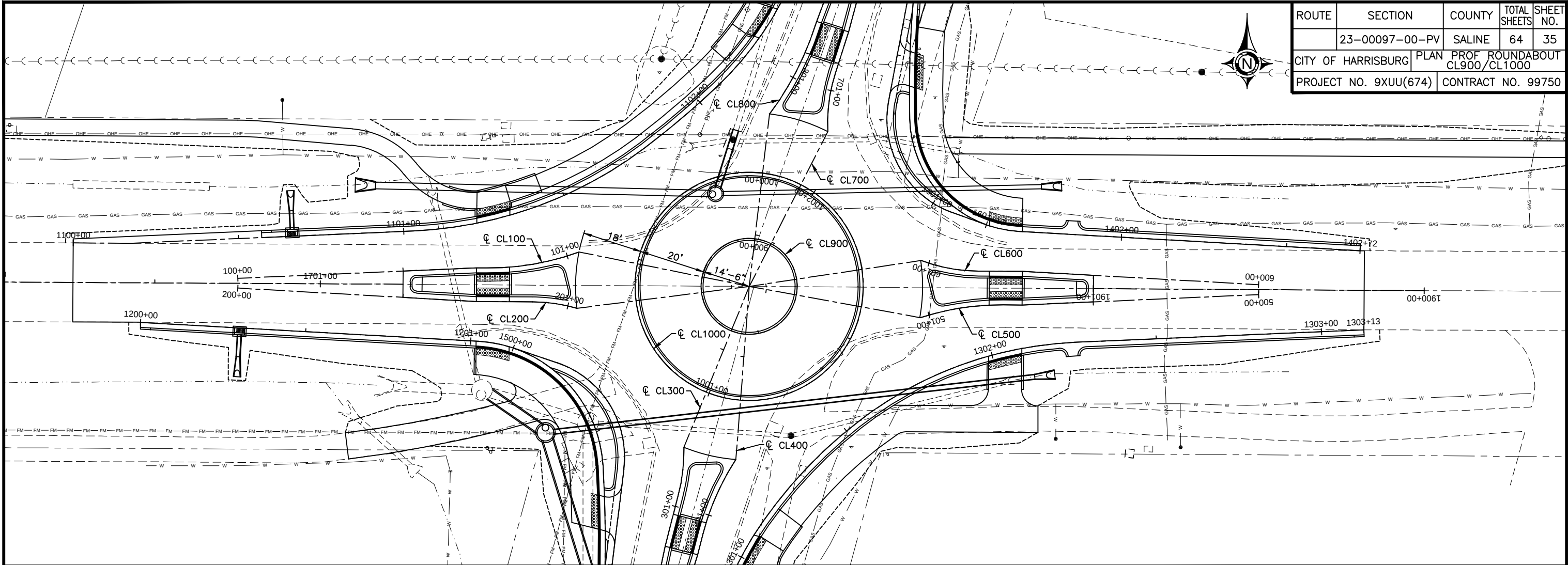
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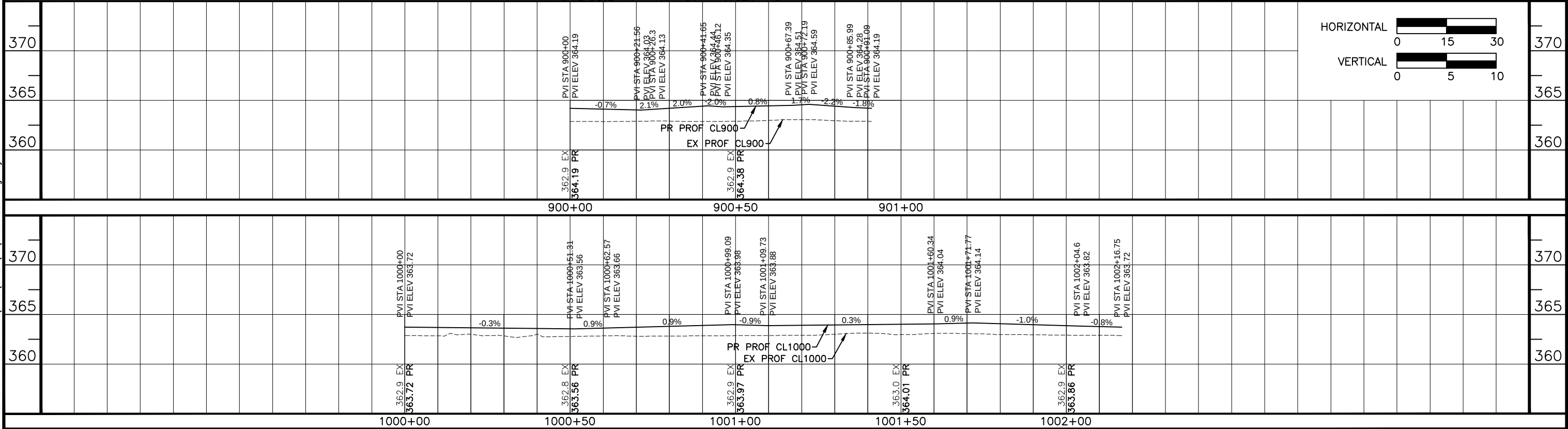
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	34
CITY OF HARRISBURG		PLAN PROF ROUNDABOUT CL700/CL800		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		



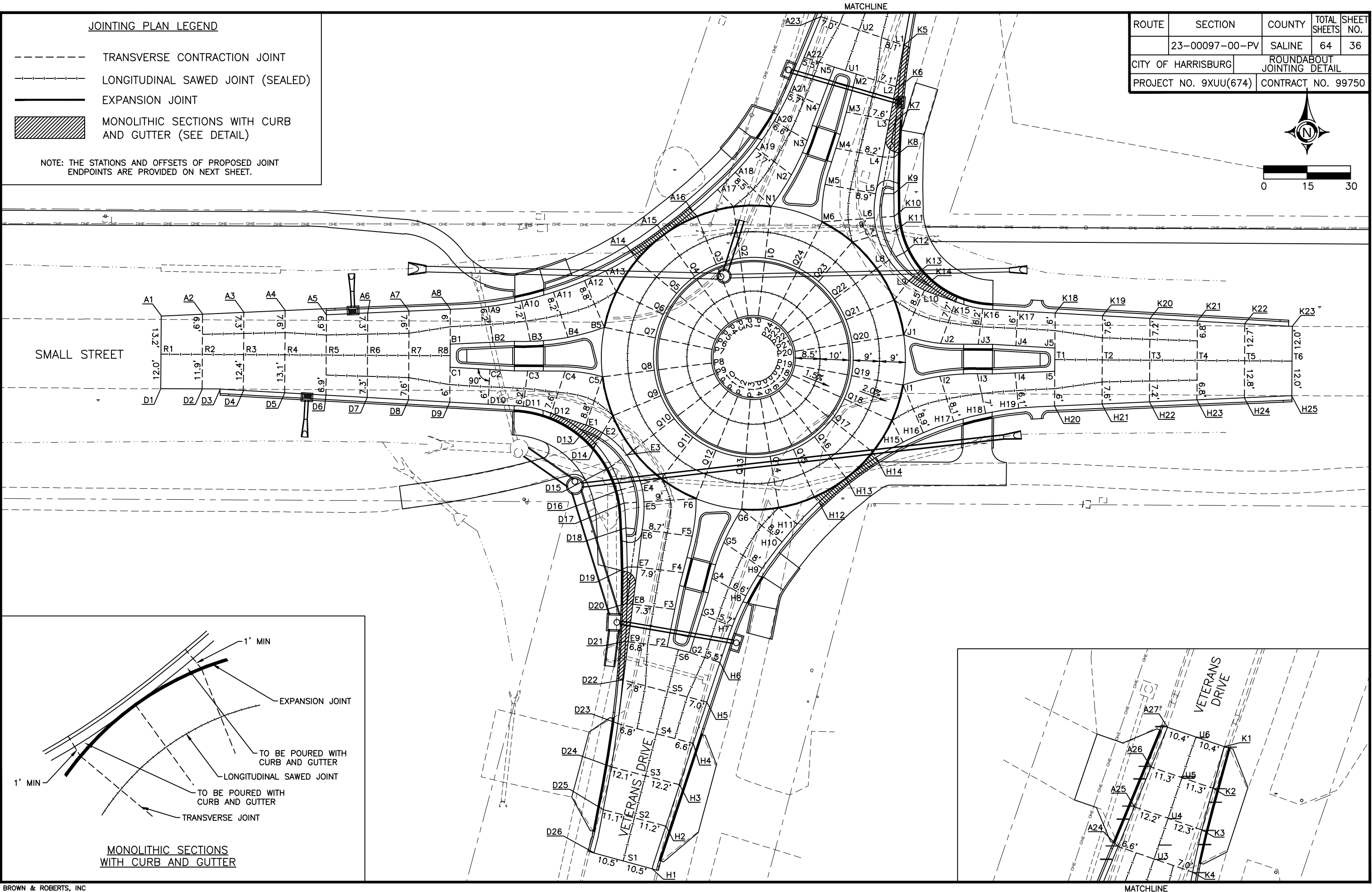
07 Feb 2025 - 9:02am X:\2023\2322\AC\23221 Base.dwg: Layout Tab '35PP CIR'



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	35
CITY OF HARRISBURG		PLAN PROF ROUNDOABOUT CL900/CL1000		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		



07 Feb 2025 - 9:02am X:\2023\23221\AC\23221 Base.dwg: Layout Tab "36JNT"



07 Feb 2025 -- 9:09am X:\2023\23221\AC\23221 Schedules, Typ Sections, Details.dwg

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	37
CITY OF HARRISBURG		ROUNDAABOUT JOINTING DETAIL		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		

POINT NO	NW-CURB CL-1100 STA	OFFSET	ELEV
A1	1100+00.00	1.20' LT	362.17
A2	1100+14.25	1.93' LT	362.18
A3	1100+28.62	2.08' LT	362.22
A4	1100+42.89	2.08' LT	362.26
A5	1100+57.05	0	362.32
A6	1100+60.00	0	362.33
A7	1100+79.86	0	362.37
A8	1100+99.86	0	362.43
A9	1101+13.03	0	362.48
A10	1101+24.65	0	362.56
A11	1101+36.09	0	362.67
A12	1101+47.50	0	362.85
A13	1101+55.58	0	363.07
A14	1101+66.60	0	363.21
A15	1101+79.34	0	363.28
A16	1101+92.08	0	363.27
A17	1102+03.43	0	363.17
A18	1102+11.96	0	363.02
A19	1102+23.05	0	362.84
A20	1102+34.28	0	362.73
A21	1102+45.75	0	362.68
A22	1102+58.54	0	362.69
A23	1102+73.67	0	362.79
A24	1102+88.51	0	362.86
A25	1103+03.35	0	362.95
A26	1103+18.19	0	363.03
A27	1103+33.04	0	363.11

POINT NO	CL-100 STA	OFFSET	ELEV
B1	100+50.00	0	362.65
B2	100+64.76	0	362.73
B3	100+77.76	0	362.85
B4	100+90.78	0	363.00
B5	101+03.79	0	363.20

POINT NO	CL-200 STA	OFFSET	ELEV
C1	200+50.00	0	362.69
C2	200+63.80	0	362.77
C3	200+76.81	0	362.89
C4	200+89.81	0	363.07
C5	201+02.85	0	363.30

POINT NO	SW-CURB-OUTER CL-1200 STA	OFFSET	ELEV
D1	1199+79.51	0	362.20
D2	1199+93.78	0	362.23
D3	1200+00.00	0	362.25
D4	1208+08.04	0	362.27
D5	1200+22.31	0	362.32
D6	1200+36.58	0	362.35
D7	1200+50.85	0	362.38
D8	1200+65.11	0	362.42
D9	1200+79.37	0	362.48
D10	1200+92.58	0	362.55
D11	1201+04.80	0	362.64
D12	1201+14.68	0	362.78
D13	1201+27.50	0	363.06
D14	1201+33.52	0	363.20
D15	1201+43.04	0	363.33
D16	1201+51.74	0	363.31
D17	1201+56.45	0	363.17
D18	1201+65.04	0	362.96
D19	1201+78.58	0	362.77
D20	1201+91.21	0	362.73
D21	1202+04.28	0	362.77
D22	1202+17.57	0	362.94
D23	1202+32.73	0	363.15
D24	1202+47.82	0	363.35
D25	1202+62.86	0	363.51
D26	1202+78.11	0	363.65

POINT NO	SW-CURB-INNER CL-1500 STA	OFFSET	ELEV
E1	1500+14.28	0	362.95
E2	1500+20.62	0	363.24
E3	1500+32.08	0	363.41
E4	1500+43.41	0	363.40
E5	1500+49.57	0	363.26
E6	1500+59.29	0	363.02
E7	1500+72.18	0	362.84
E8	1500+85.12	0	362.77
E9	1500+98.22	0	362.79

POINT NO	CL-300 STA	OFFSET	ELEV
F1	300+50.00	0	363.18
F2	300+66.02	0	363.06
F3	300+79.15	0	363.06
F4	300+92.16	0	363.16
F5	301+05.16	0	363.37
F6	301+18.19	0	363.62

POINT NO	CL-400 STA	OFFSET	ELEV
G1	400+50.00	0	363.19
G2	400+66.02	0	363.06
G3	400+79.75	0	363.05
G4	400+92.76	0	363.14
G5	401+05.77	0	363.31
G6	401+18.79	0	363.52

POINT NO	SE-CURB CL-1300 STA	OFFSET	ELEV
H1	1300+00.00	0	363.62
H2	1300+15.50	0	363.44
H3	1300+30.53	0	363.29
H4	1300+45.56	0	363.13
H5	1300+60.59	0	363.01
H6	1300+74.95	0	362.84
H7	1300+88.14	0	362.82
H8	1300+99.61	0	362.88
H9	1301+10.70	0	362.99
H10	1301+22.10	0	363.16
H11	1301+30.11	0	363.38
H12	1301+40.89	0	363.52
H13	1301+53.40	0	363.60
H14	1301+65.92	0	363.59
H15	1301+76.61	0	363.48
H16	1301+84.33	0	363.37
H17	1301+95.58	0	363.25
H18	1302+06.88	0	363.16
H19	1302+18.46	0	363.11
H20	1302+30.86	0	363.13
H21	1302+47.26	0	363.18
H22	1302+63.65	0	363.22
H23	1302+80.04	0	363.25
H24	1302+96.43	0	363.27
H25	1303+12.80	0	363.27

POINT NO	CL-500 STA	OFFSET	ELEV
I1	501+02.76	0	363.68
I2	500+89.74	0	363.49
I3	500+76.73	0	363.37
I4	500+63.72	0	363.30
I5	500+50.00	0	363.30

POINT NO	CL-600 STA	OFFSET	ELEV
J1	601+02.54	0	363.78
J2	600+89.50	0	363.55
J3	600+76.50	0	363.39
J4	600+63.49	0	363.31
J5	600+50.00	0	363.30

POINT NO	NE-CURB-OUTER CL-1400 STA	OFFSET	ELEV
K1	1400+00.00	0	363.14
K2	1400+14.86	0	363.06
K3	1400+29.71	0	362.98
K4	1400+44.61	0	362.88
K5	1400+59.61	0	362.76
K6	1400+74.13	0	362.63
K7	1400+85.73	0	362.60
K8	1400+98.43	0	362.62
K9	1401+10.97	0	362.79
K10	1401+18.77	0	363.01
K11	1401+23.75	0	363.28
K12	1401+31.87	0	363.46
K13	1401+40.38	0	363.50
K14	1401+45.42	0	363.44
K15	1401+56.85	0	363.32
K16	1401+66.56	0	363.20
K17	1401+78.70	0	363.13
K18	1401+91.60	0	363.15
K19	1402+07.98	0	363.19
K20	1402+24.37	0	363.23
K21	1402+40.76	0	363.26
K22	1402+57.15	0	363.29
K23	1402+73.55	0	363.31

POINT NO	NE-CURB-INNER CL-1600 STA	OFFSET	ELEV
L1	1600+16.40	0	362.73
L2	1600+26.15	0	362.65
L3	1600+37.87	0	362.64
L4	1600+50.81	0	362.70
L5	1600+63.74	0	362.86
L6	1600+72.08	0	363.10
L7	1600+78.04	0	363.36
L8	1600+87.69	0	363.52
L9	1600+97.58	0	363.53
L10	1601+03.92	0	363.44

POINT NO	CL-700 STA	OFFSET	ELEV
M1	700+50.00	0	362.97
M2	700+59.95	0	362.93
M3	700+73.48	0	362.94
M4	700+86.48	0	363.03
M5	700+99.49	0	363.21
M6	701+12.53	0	363.46

POINT NO	CL-800 STA	OFFSET	ELEV
N1	801.13.16	0	363.36
N2	801+00.15	0	363.15
N3	800+87.14	0	362.99
N4	800+74.14	0	362.91
N5	800+60.08	0	362.91
N6	800+50.00	0	362.96

POINT NO	CIR-INNER CL-900 STA	OFFSET	ELEV
P1	900+00.00	0	364.19
P2	900+03.59	0	364.16
P3	900+07.19	0	364.14
P4	900+10.78	0	364.11
P5	900+14.38	0	364.08
P6	900+17.97	0	364.06
P7	900+21.56	0	364.03
P8	900+26.30	0	364.13
P9	900+30.13	0	364.21
P10	900+33.97	0	364.28
P11	900+37.81	0	364.36
P12	900+41.65	0	364.44
P13	900+46.12	0	364.35
P14	900+49.66	0	364.38
P15	900+53.21	0	364.40
P16	900+56.75	0	364.43
P17	900+60.30	0	364.46
P18	900+63.84	0	364.48
P19	900+67.39	0	364.51
P20	900+72.19	0	364.59
P21	900+75.64	0	364.51
P22	900+79.09	0	364.43
P23	900+82.54	0	364.36
P24	900+85.99	0	364.28

POINT NO	CIR-OUTER CL-1000 STA	OFFSET	ELEV
Q1	1000+00.00	0	363.72
Q2	1000+08.55	0	363.69
Q3	1000+17.10	0	363.67
Q4	1000+25.65	0	363.64
Q5	1000+34.20	0	363.61
Q6	1000+42.76	0	363.59
Q7	1000+51.31	0	363.56
Q8	1000+62.57	0	363.66
Q9	1000+71.70	0	363.74
Q10	1000+80.83	0	363.82
Q11	1000+89.96	0	363.90
Q12	1000+99.09	0	363.98
Q13	1001+09.73	0	363.88
Q14	1001+18.17	0	363.91
Q15	1001+26.60	0	363.93
Q16	1001+35.04	0	363.96
Q17	1001+43.47	0	363.99
Q18	1001+51.90	0	364.01
Q19	1001+60.34	0	364.04
Q20	1001+71.77	0	364.14
Q21	1001+79.98	0	364.06
Q22	1001+88.18	0	363.98
Q23	1001+96.39	0	363.90
Q24	1002+04.60	0	363.82

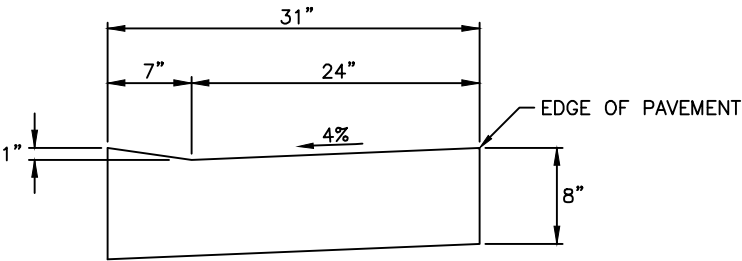
POINT NO	CL-1700 STA	OFFSET	ELEV
R1	1700+25.24	0	362.35
R2	1700+39.50	0	362.40
R3	1700+53.75	0	362.46
R4	1700+68.00	0	362.51
R5	1700+82.25	0	362.56
R6	1700+96.50	0	362.61
R7	1701+10.75	0	362.67
R8	1701+25.00	0	362.72

POINT NO	CL-1800 STA	OFFSET	ELEV
S1	1800+24.64	0	363.82
S2	1800+40.00	0	363.68
S3	1800+55.00	0	363.55
S4	1800+70.00	0	363.41
S5	1800+85.00	0	363.28
S6	1801+00.00	0	363.14

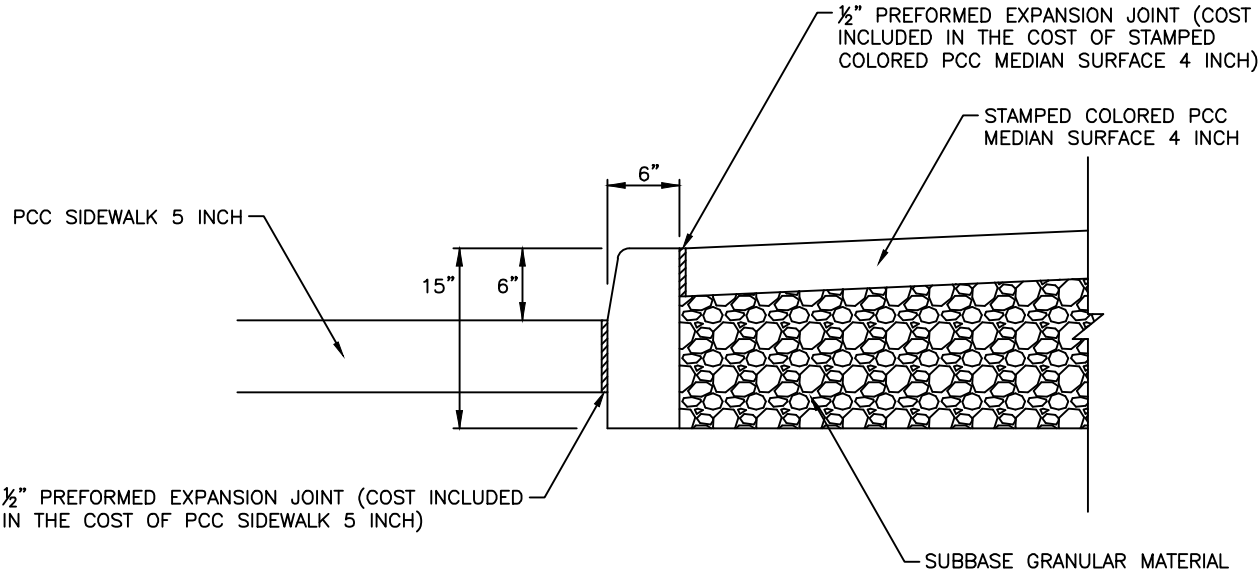
POINT NO	CL-1900 STA	OFFSET	ELEV
T1	1901+00.00	0	363.36
T2	1900+83.63	0	363.38
T3	1900+67.26	0	363.40
T4	1900+50.89	0	363.41
T5	1900+34.52	0	363.43
T6	1900+18.16	0	363.45

POINT NO	CL-2000 STA	OFFSET	ELEV
U1	2001+00.00	0	362.99
U2	2000+85.19	0	363.06
U3	2000+70.38	0	363.12
U4	2000+55.57	0	363.19
U5	2000+40.76	0	363.25
U6	2000+25.94	0	363.32

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	38
CITY OF HARRISBURG		ROUNDBABOUT MISCELLANEOUS DETAILS		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		

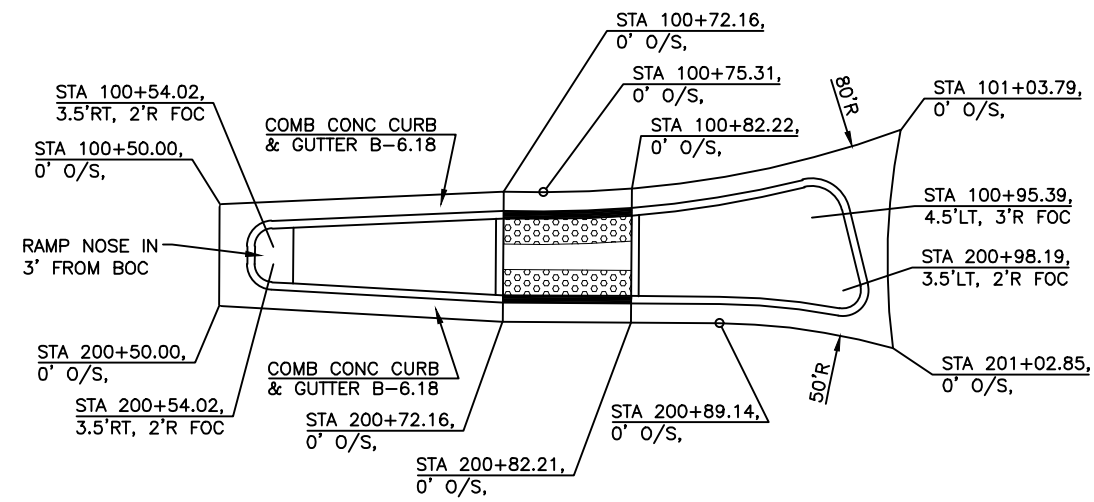


COMBINATION CONCRETE
CURB AND GUTTER,
TYPE M (SPECIAL)

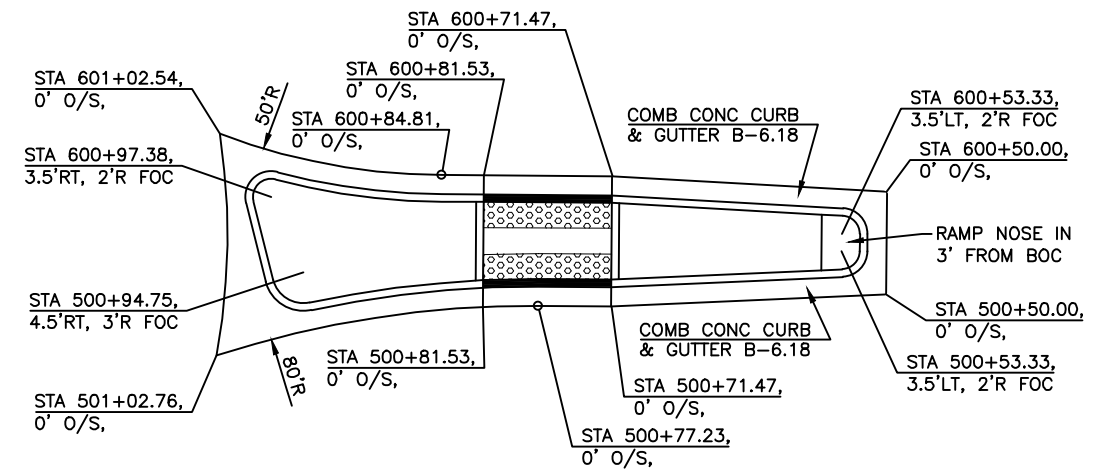


CONCRETE CURB, TYPE B (SPECIAL)
(INSIDE SPLITTER ISLANDS)

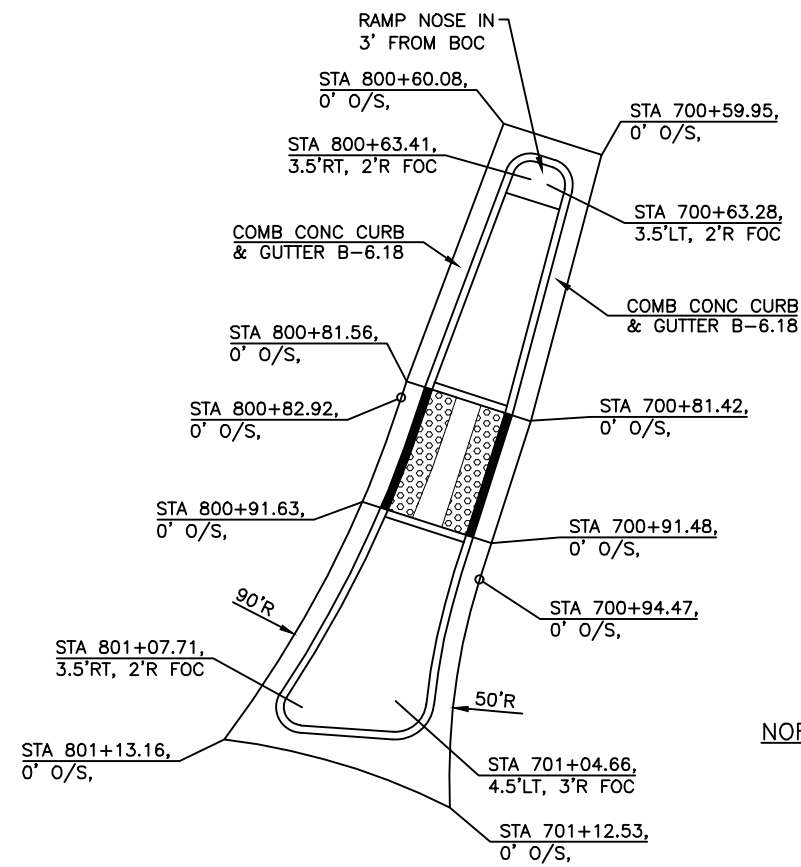
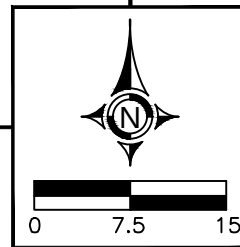
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	39
CITY OF HARRISBURG		SPLITTER ISLAND GEOMETRICS		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		



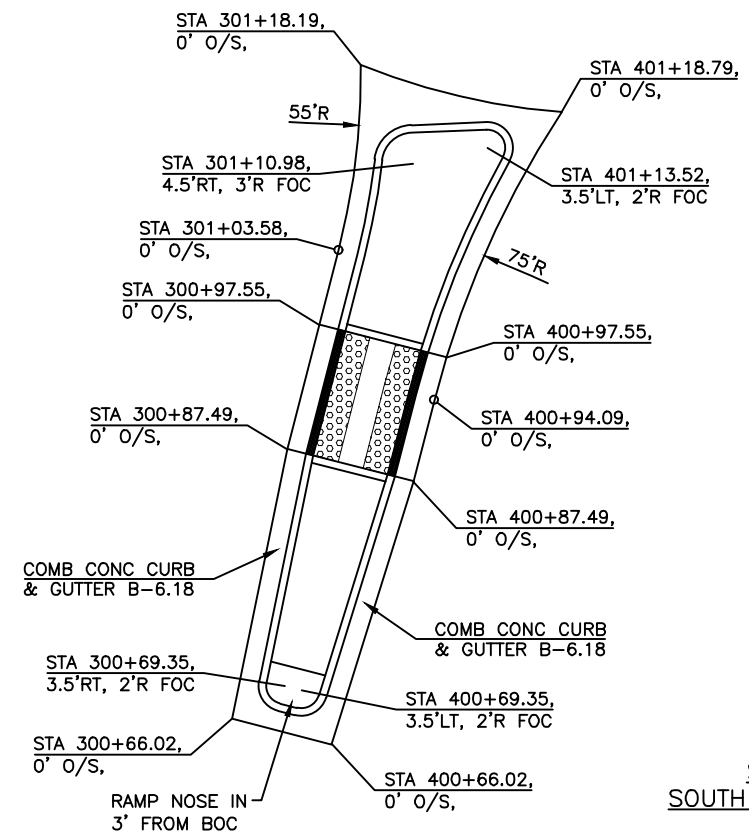
SPLITTER ISLAND
WEST LEG OF ROUNDABOUT



SPLITTER ISLAND
EAST LEG OF ROUNDABOUT

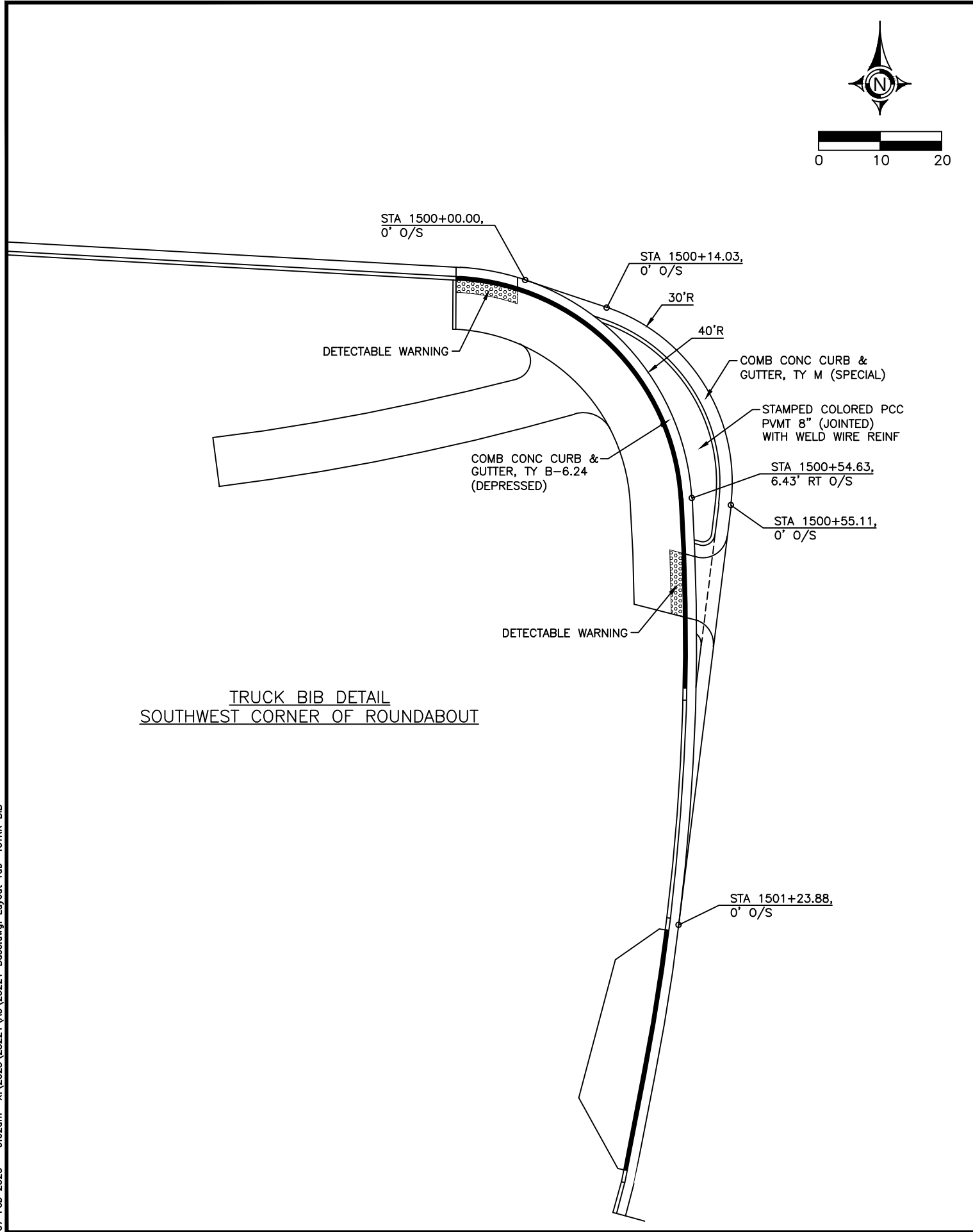


SPLITTER ISLAND
NORTH LEG OF ROUNDABOUT

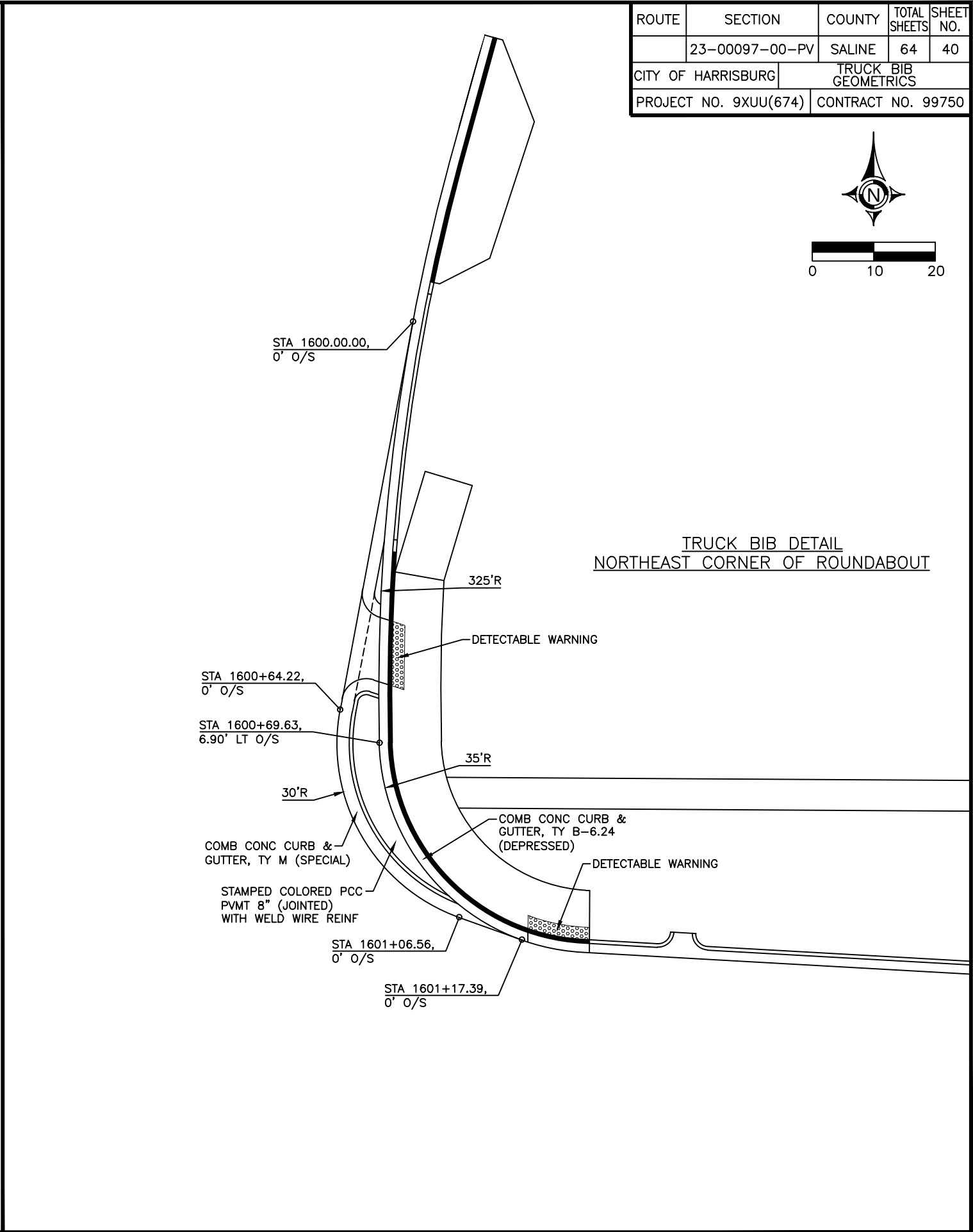


SPLITTER ISLAND
SOUTH LEG OF ROUNDABOUT

07 Feb 2025 - 9:02am X:\2023\23221\AC\23221 Base.dwg: Layout Tab '40TRK BIB'

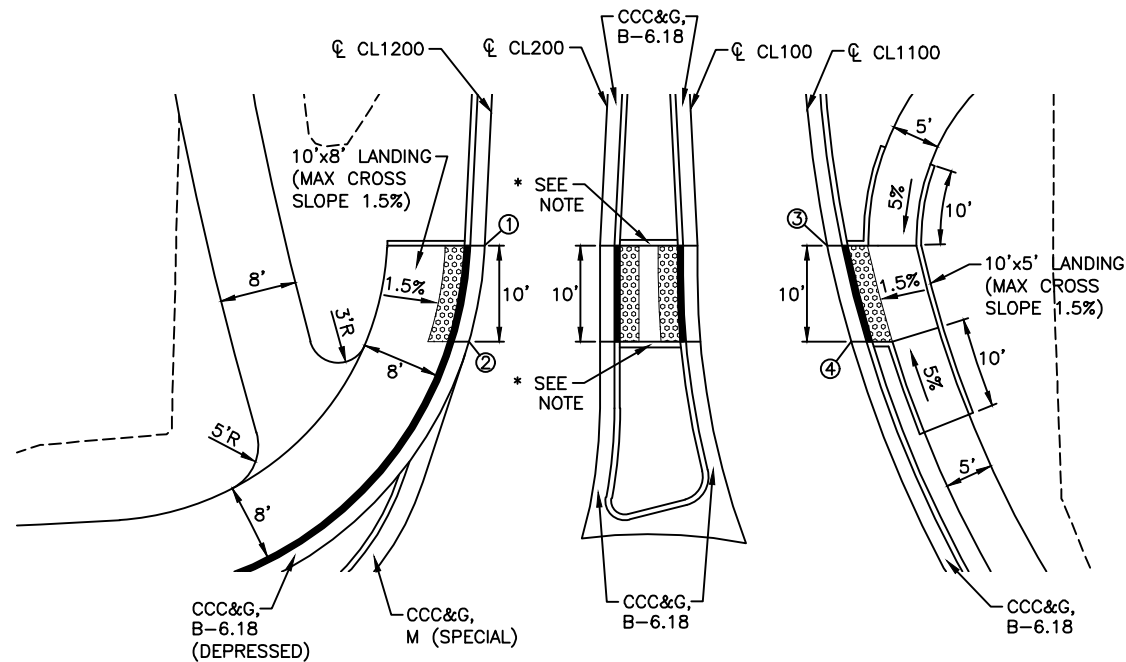
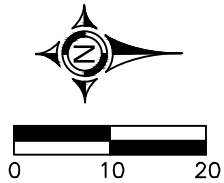


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	40
CITY OF HARRISBURG		TRUCK BIB GEOMETRICS		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		



04 Apr 2025 - 10:33am X:\2023\23221\4C\23221 Base.dwg: Layout Tab '41Round SW Ramps'

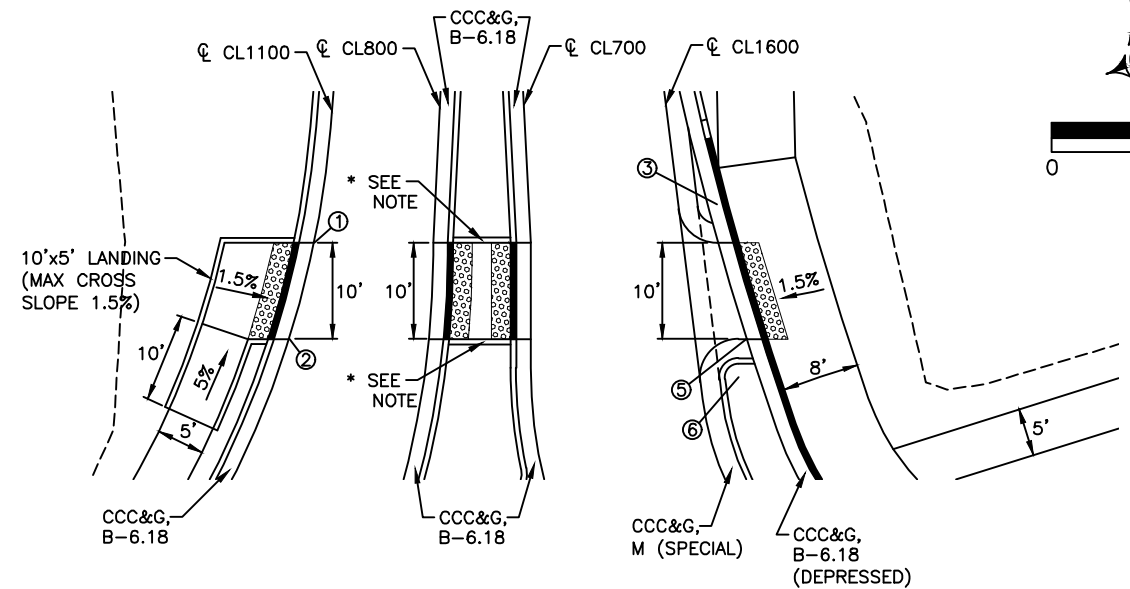
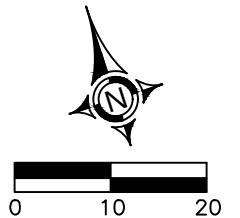
	ALIGNMENT	STATION	Q/S		ALIGNMENT	STATION	Q/S
①	CL1200	1201+01.58	0.0'	③	CL1100	1101+22.23	0.0'
②	CL1200	1201+11.74	0.0'	④	CL1100	1101+32.54	0.0'



-ALL CURB IN PATHWAY SHALL BE DEPRESSED AS PER STANDARD 606001-08
-SEE STANDARD 424001-12 FOR SIDE CURB DETAIL ON ALL SIDEWALK RAMPS
-REFER TO ROUNDABOUT JOINTING DETAIL SHEETS FOR ELEVATIONS
*SEE DETAIL SHEET 38 FOR CURB DETAIL IN SPLITTER ISLANDS

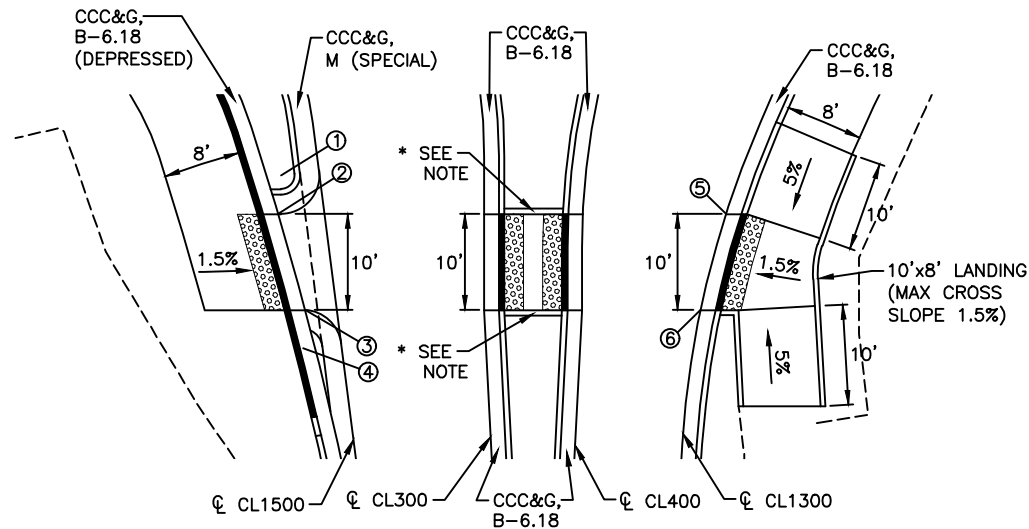
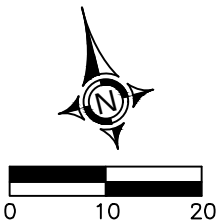
	ALIGNMENT	STATION	Q/S		ALIGNMENT	STATION	Q/S
①	CL1100	1102+36.88	0.0'	③	CL1600	1600+44.29	4.0'
②	CL1100	1102+26.54	0.0'	④	CL1600	1600+48.27	3.60'
				⑤	CL1600	1600+58.56	5.32'
				⑥	CL1600	1600+62.43	4.0'

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	41
CITY OF HARRISBURG		ROUNDABOUT SIDEWALK RAMPS		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		



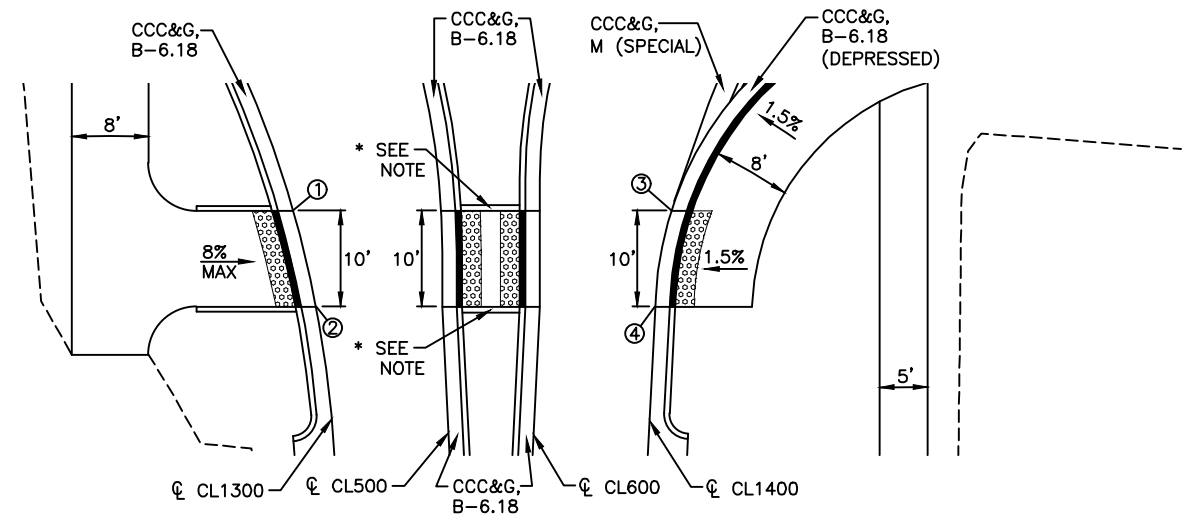
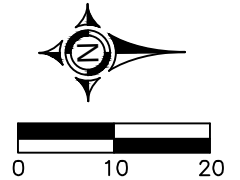
-ALL CURB IN PATHWAY SHALL BE DEPRESSED AS PER STANDARD 606001-08
-SEE STANDARD 424001-12 FOR SIDE CURB DETAIL ON ALL SIDEWALK RAMPS
-REFER TO ROUNDABOUT JOINTING DETAIL SHEETS FOR ELEVATIONS
*SEE DETAIL SHEET 38 FOR CURB DETAIL IN SPLITTER ISLANDS

	ALIGNMENT	STATION	Q/S		ALIGNMENT	STATION	Q/S
①	CL1500	1500+60.18	4.0'	⑤	CL1300	1301+07.70	0.0'
②	CL1500	1500+64.11	4.79'	⑥	CL1300	1300+97.35	0.0'
③	CL1500	1500+74.38	3.28'				
④	CL1500	1500+78.32	4.0'				



-ALL CURB IN PATHWAY SHALL BE DEPRESSED AS PER STANDARD 606001-08
-SEE STANDARD 424001-12 FOR SIDE CURB DETAIL ON ALL SIDEWALK RAMPS
-REFER TO ROUNDABOUT JOINTING DETAIL SHEETS FOR ELEVATIONS
*SEE DETAIL SHEET 38 FOR CURB DETAIL IN SPLITTER ISLANDS

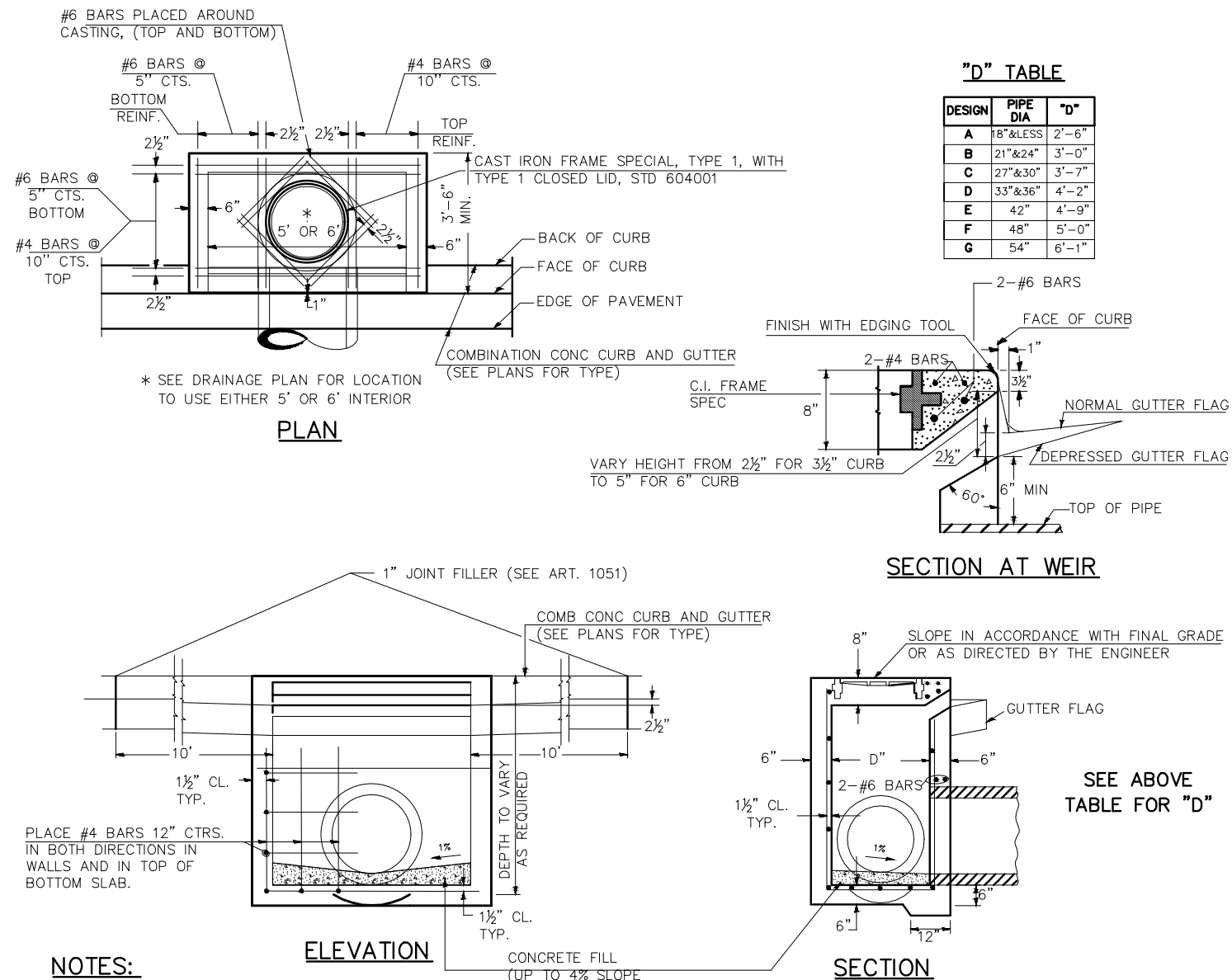
	ALIGNMENT	STATION	Q/S		ALIGNMENT	STATION	Q/S
①	CL1300	1301+98.94	0.0'	③	CL1400	1401+59.90	0.0'
②	CL1300	1302+09.23	0.0'	④	CL1400	1401+70.07	0.0'



-ALL CURB IN PATHWAY SHALL BE DEPRESSED AS PER STANDARD 606001-08
-SEE STANDARD 424001-12 FOR SIDE CURB DETAIL ON ALL SIDEWALK RAMPS
-REFER TO ROUNDABOUT JOINTING DETAIL SHEETS FOR ELEVATIONS
*SEE DETAIL SHEET 38 FOR CURB DETAIL IN SPLITTER ISLANDS

07 Feb 2025 - 9:06am X:\2023\23221\AC\23221 Inlets, Special.dwg

INLETS, SPECIAL, NO. 1



NOTES:

PROVIDE 1 1/2" CLEARANCE TYP. ALL REINFORCEMENT UNLESS OTHERWISE SPECIFIED.

GUTTER FLOWLINE AT INLET 2 1/2" BELOW NORMAL GUTTER FLOWLINE. CONSTRUCT TRANSITION IN FLOWLINE IN 10 FEET EACH SIDE OF INLET. PIPES TO BE CONNECTED TO INLET AS SHOWN ON STORM SEWER LAYOUT.

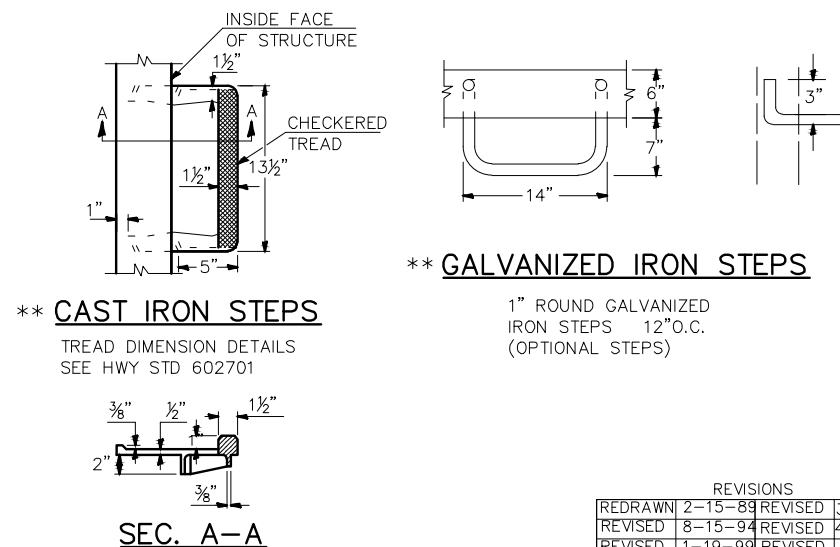
INLETS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR **INLETS, SPECIAL, NO. 1**, WHICH PRICE SHALL INCLUDE THE CAST IRON FRAME, SPECIAL, TYPE 1 WITH TYPE 1 CLOSED LID, THE REINFORCEMENT BARS, METAL STEPS AND JOINT FILLER.

INLETS ARE DESIGNED TO BE CAST IN PLACE. IF THE INLET IS NOT CAST IN PLACE THEN THE INLET SHALL BE PRODUCED ACCORDING TO THE DEPARTMENT'S CURRENT STANDARD SPECIFICATIONS SECTIONS 602 AND 1042.

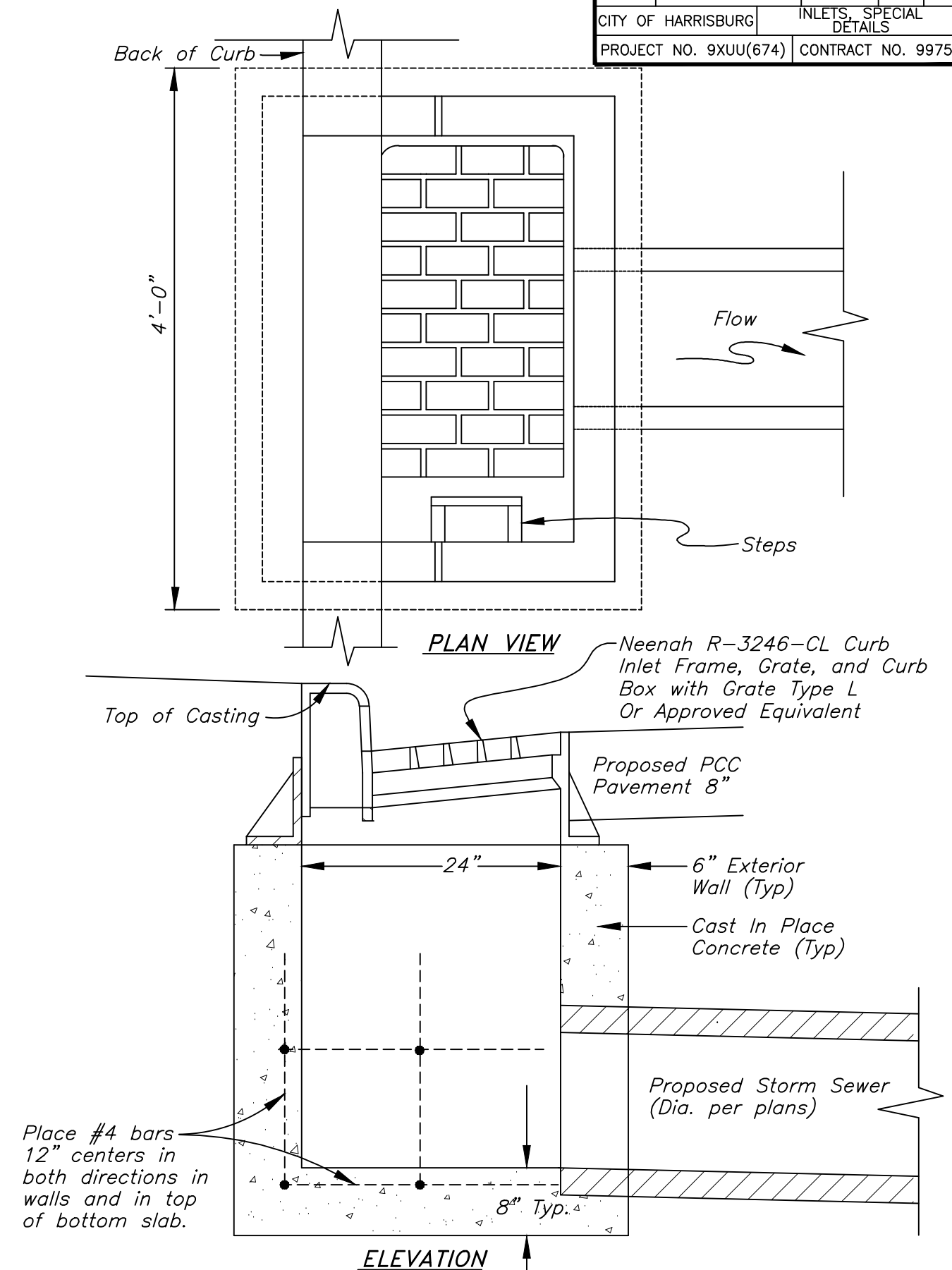
**STEPS WILL BE REQUIRED AT 12" SPACING WHEN INLET IS OVER 4' DEEP. SEE ARTICLE 602.08 OF THE STANDARD SPECS AND DETAILS

CAST IRON STEPS SHALL BE GRAY IRON CONFORMING TO THE REQUIREMENTS OF ARTICLE 1006.14 OF THE STANDARD SPECIFICATIONS.

INLETS MAY BE PRECAST ONLY AT LOCATIONS APPROVED BY THE ENGINEER.

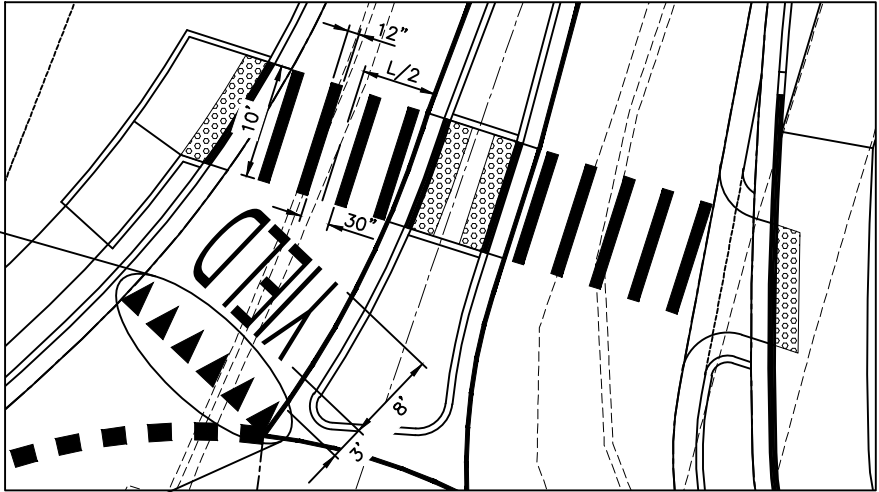


INLETS, SPECIAL, NO. 2



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	42
CITY OF HARRISBURG		INLETS, SPECIAL DETAILS		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		

CROSSWALK PAVEMENT MARKING DETAIL



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	43
CITY OF HARRISBURG		ROUNDABOUT MARKING DETAIL		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		



MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (PAINTED MEDIAN - DOUBLE YELLOW)

MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (CROSSWALK MARKING - WHITE)

MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (PAINTED MEDIAN - DOUBLE YELLOW)

MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (LANE LINE - YELLOW)

MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (PAINTED MEDIAN HATCHING - YELLOW) 10' SPACING

MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (8' HEIGHT - WHITE)

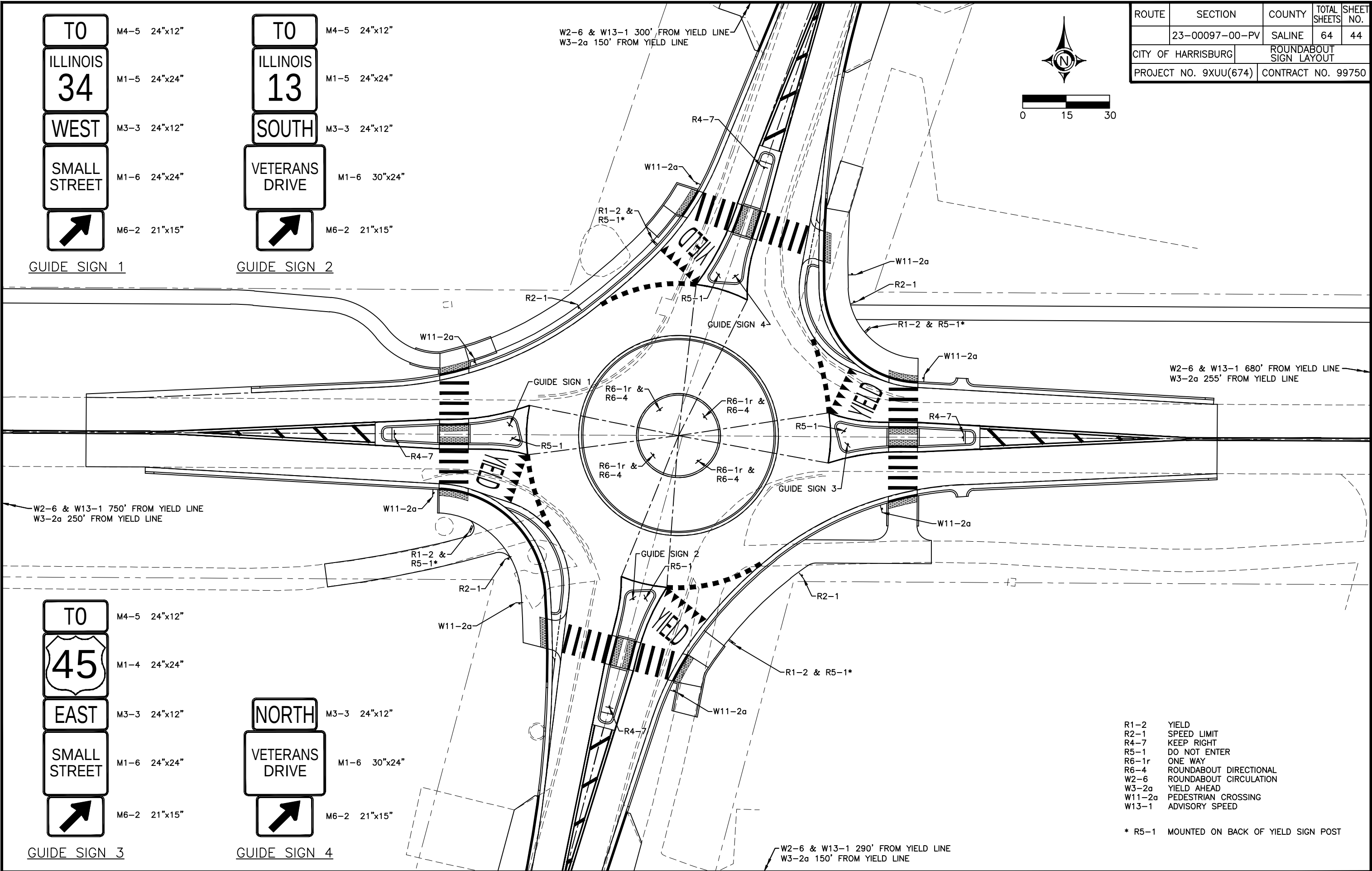
MODIFIED URETHANE PAVEMENT MARKING - LINE 18" (2' SKIP - 2' DASH - WHITE)

MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)

MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (PAINTED MEDIAN - DOUBLE YELLOW)

MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (DOUBLE CENTERLINE - YELLOW)

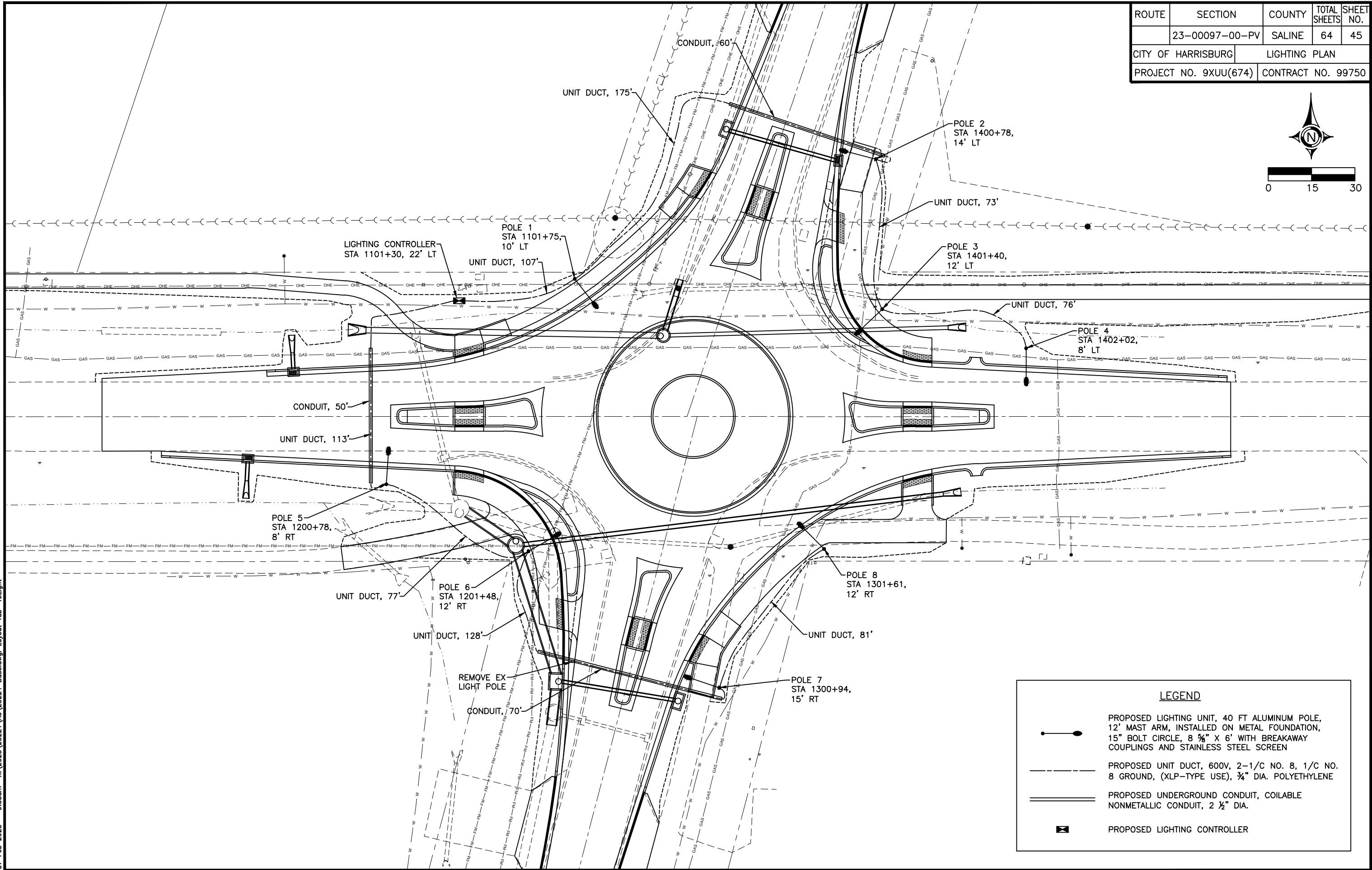
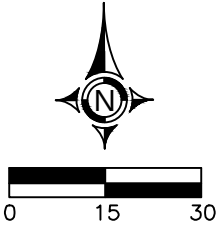
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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	44
CITY OF HARRISBURG		ROUNDBOUT SIGN LAYOUT		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		

- R1-2 YIELD
 - R2-1 SPEED LIMIT
 - R4-7 KEEP RIGHT
 - R5-1 DO NOT ENTER
 - R6-1r ONE WAY
 - R6-4 ROUNDBOUT DIRECTIONAL
 - W2-6 ROUNDBOUT CIRCULATION
 - W3-2a YIELD AHEAD
 - W11-2a PEDESTRIAN CROSSING
 - W13-1 ADVISORY SPEED
- * R5-1 MOUNTED ON BACK OF YIELD SIGN POST

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	45
CITY OF HARRISBURG		LIGHTING PLAN		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		



LEGEND

PROPOSED LIGHTING UNIT, 40 FT ALUMINUM POLE, 12' MAST ARM, INSTALLED ON METAL FOUNDATION, 15" BOLT CIRCLE, 8 5/8" X 6' WITH BREAKAWAY COUPLINGS AND STAINLESS STEEL SCREEN

PROPOSED UNIT DUCT, 600V, 2-1/C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE

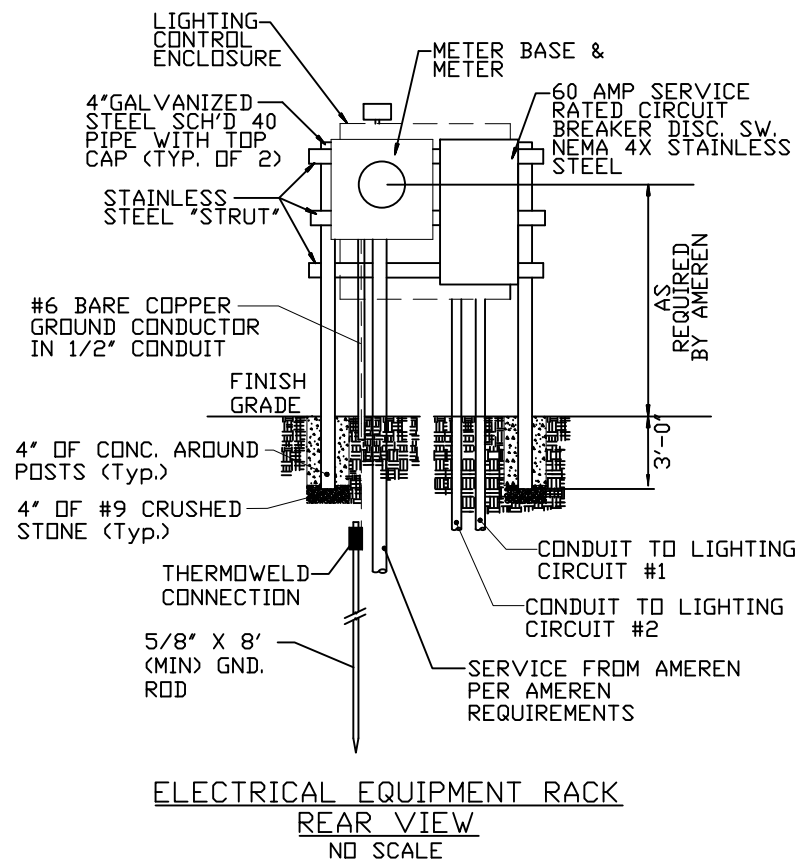
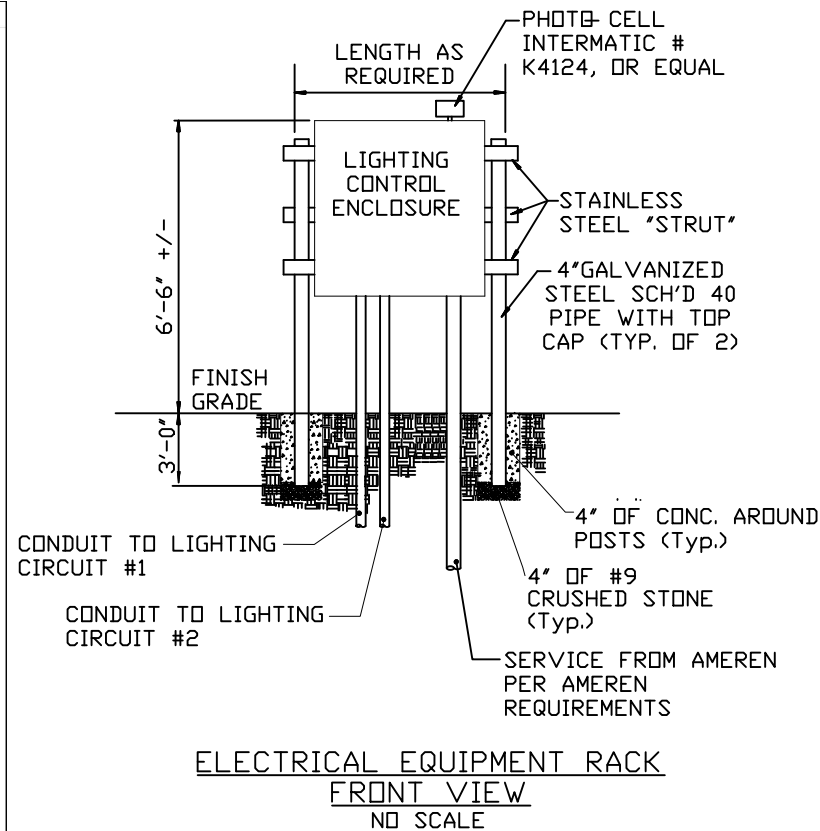
PROPOSED UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2 1/2" DIA.

PROPOSED LIGHTING CONTROLLER

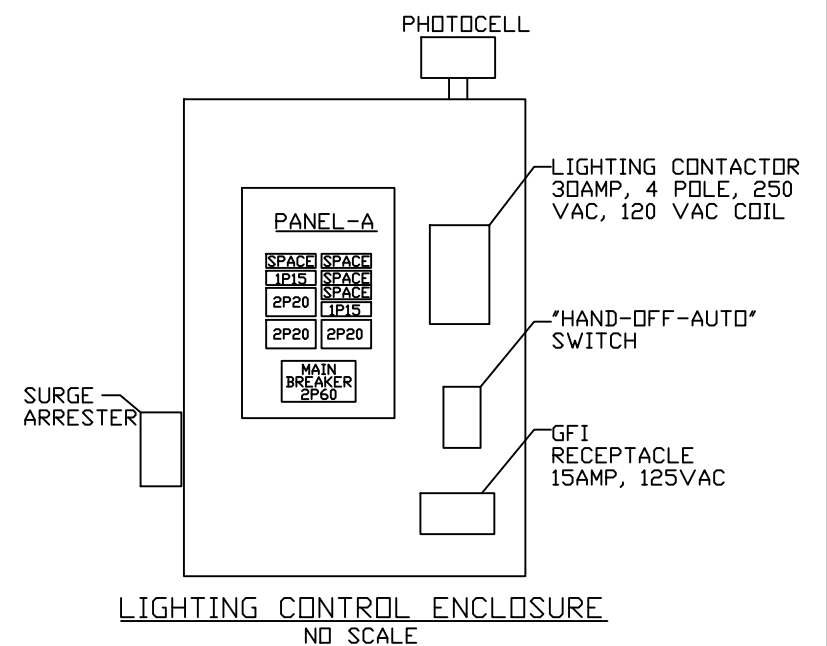
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GENERAL ELECTRICAL SPECIFICATIONS & NOTES

1. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES.
2. THE ELECTRICAL EQUIPMENT, MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) STANDARDS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS, FEES, INSPECTIONS, ETC. REQUIRED FOR THE PERFORMANCE OF THE WORK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION WITH AMEREN FOR THE RELOCATION AND MODIFICATION OF EXISTING DISTRIBUTION POLES, LINES, TRANSFORMERS, ATTACHMENTS, ETC. AT THE PROJECT SITE. THE COST OF THIS ITEM SHALL BE INCIDENTAL TO THE COST OF ELECTRIC SERVICE INSTALLATION, PAY ITEM 80400100.
5. THE ELECTRICAL SYSTEM AND SERVICE SHALL BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, STATE AND LOCAL CODES.
6. UNIT DUCT SHALL BE SCHEDULE 40.
7. LIGHTING CALCULATIONS FOR SHOP DRAWING SUBMITTALS SHALL BE BASED ON A STRAIGHT ROADWAY SEGMENT MEETING THE CRITERIA IN THE LUMINAIRE PERFORMANCE TABLE.
8. BREAKAWAY COUPLING DEVICES SHALL BE INSTALLED WITH STAINLESS STEEL SCREEN TO PERMANENTLY AND COMPLETELY SEAL THE POLE BASE AGAINST RODENT ENTRY AS SPECIFIED IN SECTION 838 OF THE STANDARD SPECIFICATIONS.
9. NO POLE SHALL BE INSTALLED IN THE FLOWLINE OF DITCH. POLE SETBACK TO BE ADJUSTED, IF NECESSARY AS DIRECTED BY THE ENGINEER.
10. PANEL-A SHALL BE 120/240V, 100AMP, 1 PHASE, MOUNTED IN NEMA 4X STAINLESS STEEL GASKETED ENCLOSURE WITH FULL LENGTH HINGED PADLOCKABLE DOOR.
11. PANEL-A TO BE MANUFACTURED BY SQUARE D, SIEMENS, EATON, OR EQUAL
12. EACH LIGHTING POLE SHALL BE GROUNDED WITH #8 SOLID COPPER CONDUCTOR TO 5/8" X 10'0" GROUND ROD. THIS SHALL BE INCIDENTAL TO PAY ITEM FOR EACH POLE.
13. EACH LIGHTING POLE SHALL HAVE BREAKAWAY FUSE HOLDERS AND SURGE ARRESTERS (1 PER PHASE) MOUNTED IN THE BASE OF THE POLE. (SEE IDOT STANDARDS)
14. CONDUCTORS FROM MAIN CIRCUIT BREAKER DISCONNECT SWITCH SHALL BE 3 #6'S & 1 #8 GROUND IN 1" RIGID GALVANIZED STEEL CONDUIT (RGS).
15. ALL ABOVE GRADE CONDUIT SHALL BE RIGID GALVANIZED STEEL CONDUIT (RGS).
16. LIGHTING POLE BASES SHALL BE HUBBELL POWER SYSTEMS LIGHTING FOUNDATION # T1120567, OR EQUAL.
17. LIGHTING POLES, FOUNDATIONS, MAST ARMS AND ACCESSORIES, INCLUDING POLE WIRING AND BREAKAWAY DEVICES, SHALL CONFORM TO IDOT STANDARDS.. SEE APPLICABLE STANDARDS THIS SHEET.



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	46
CITY OF HARRISBURG		LIGHTING DETAILS		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		



NOTE:
LIGHTING CONTROL PANEL
SIMILAR TO LIGHTMATIC
LIGHTING CONTROLS MODEL
LM102021 IS ACCEPTABLE.

NOTE:
LIGHTING POLE BASE
FOUNDATIONS SHALL BE
SCREW-IN ANCHOR SYSTEM BY
HUBBELL POWER SYSTEMS
SIMILAR TO MODEL T1120567,
OR EQUAL
(6'-0" MINIMUM LENGTH)

NOTE:
ALL UNIT DUCT CABLE SHALL BE 600V,
2 - 1/C NO. 8, 1 - 1/C NO. 8 GROUND,
(XLP-TYPE USE),
3/4" DIA. POLYETHYLENE DUCT.

Applicable IDOT Standards
Light Pole Foundation Standard 836001-04

Light Pole Aluminum Mast Arm Standard 830021-04
Sheets 1 of 2 and 2 of 2

Light Pole Steel Tenon Top Standard 830001-03
Sheet 1 of 2 and 2 of 2

Breakaway Devices Standard 838001-01
Sheet 1 of 2 and 2 of 2

Luminaire Wiring In Pole Standard 821101-02

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Project

Date

Contract Number

Section Number

County

4-2-2024

N/A

23-00097-00-PV

Saline

Marked Route Number

Municipality

None

Harrisburg

Roadway

Lane Width

#of Lanes

Median Width

I.E.S Surface Classification

Q-Zero Value

12 FT

2

12 FT MIN

R3

0.07

Structure

Mounting Height

Arm Length

Set Back

Number of Luminaires
(Highmast & Sign Lighting Only)

40 FT

12 FT

8 FT

N/A

Luminaire

Description

I.E.S. Lateral Distribution

I.E.S. Vertical Distribution

ROADWAY, OUTPUT DESIGNATION H

TYPE III

MEDIUM

Total Light Loss Factor (LLF)

BUG Rating

Shields

Dimming Protocol

0.7

U = 0

N/A

N/A

Layout

Spacing (to Nearest 5 Ft)

Configuration (Opposite, Staggered, 1 Sided, or Median)

70 FT

STAGGERED

Performance

Average Illuminance, E_{AVE} (fc)

Uniformity Ratio, E_{AVE}/E_{MIN}

greater than or equal to 2.0

less than or equal to 3.0:1

Average Luminance, L_{AVE} (cd/m)²

Uniformity Ratio, L_{AVE}/L_{MIN}

Uniformity Ratio, L_{MAX}/L_{MIN}

Veiling Luminance Ratio, L_V/L_{MIN}

greater than or equal to 0.6

less than or equal to 3.0:1

less than or equal to 6:1

less than or equal to 0.3:1

Light Trespass

Distance to ROW (behind pole)

Max. Horizontal Illuminance at ROW, E

Max. Vertical Illuminance at ROW, E

N/A

N/A

N/A

- Notes
1. Set Back is from Edge of Pavement (white line) except for sign luminaires when it is vertical and horizontal distance from the sign to the luminaire.

2. Lighting calculations shall be performed with all luminaires oriented toward and perpendicular to roadway.

3. Total Light Loss Factor (LLF) = the product of "Lumen Maintenance" (LLD) = 0.9, "Dirt Depreciation" (LDD) = 0.8, and "Equipment Factors" (EF) = 0.95.

4. Performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions above.

5. Performance criteria shall be held to one significant digit.

6. Initial lumens of the proposed luminaire may vary from the values specified in the table given in Article 1067.06 of the BDE Special Provision for Luminaire, LED.

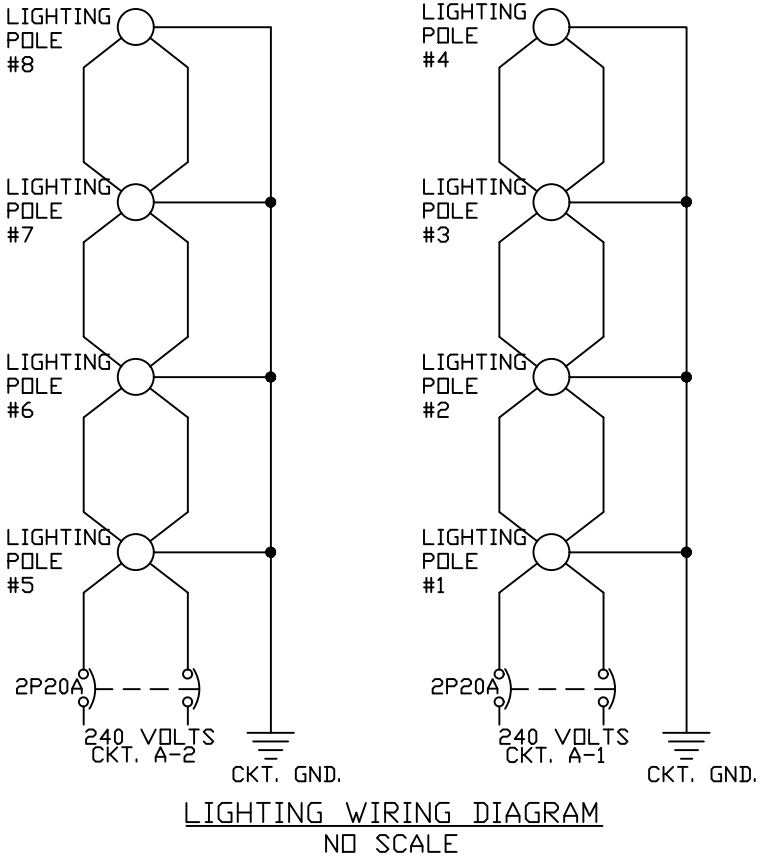
7. Calculations are performed with 2 lanes, one in each direction.

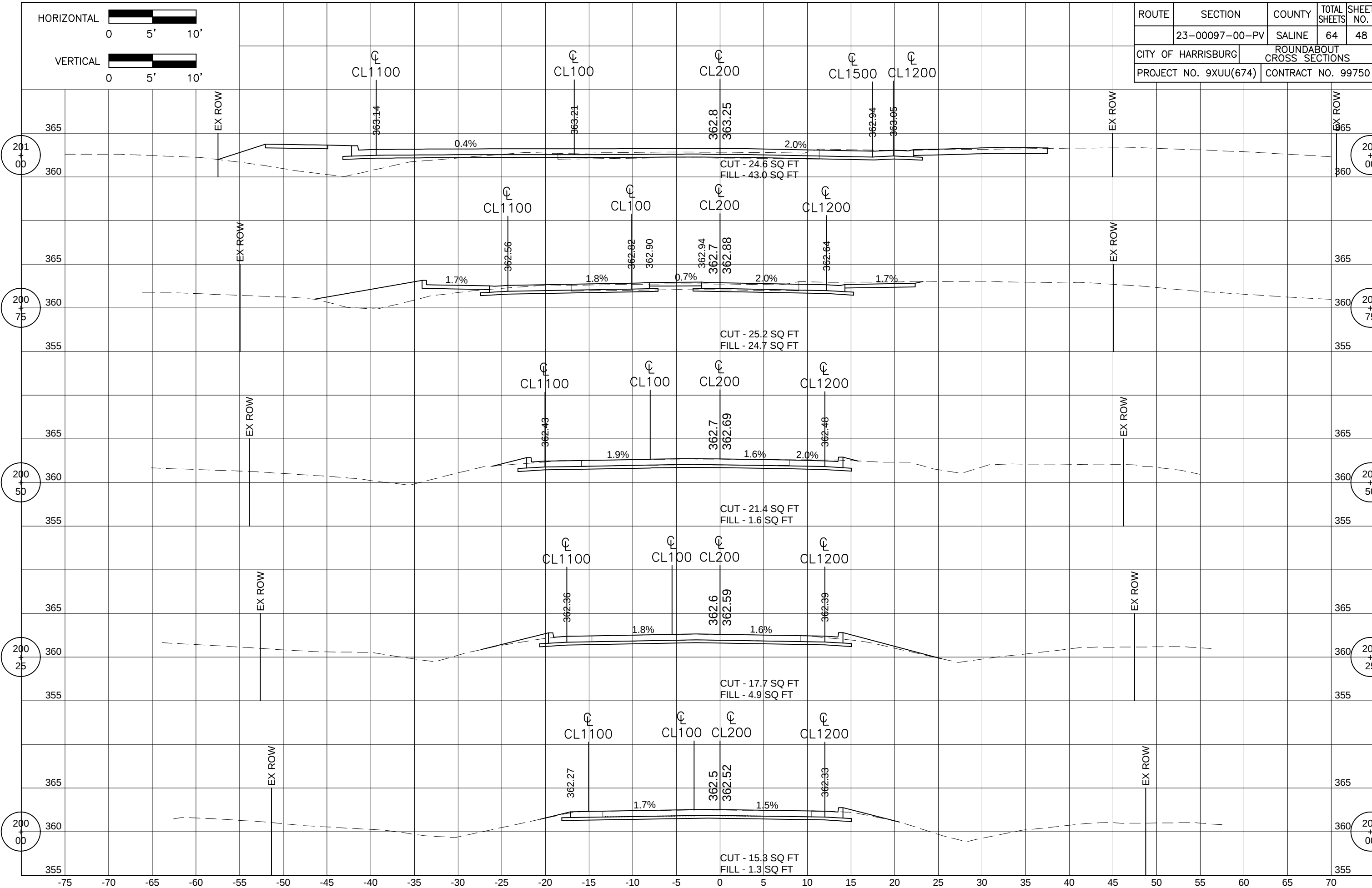
LIGHTING FIXTURES				
MANUFACTURE	CATALOG NUMBER	LED PERFORMANCE PACKAGE	WATTAGE/VOLTS/PHASE	MOUNTING
AMERICAN ELECTRIC LIGHTING	ATBL-D-MVOLT-R3-4B-IL-NL-NR	27,000 NOMINAL LUMENS	209/240/1	ALUMINUM POLE MOUNT MT'G HEIGHT:40' 12' MAST ARM
NOTES: POLE, BREAKAWAY DEVICES, MAST ARM & ALL ACCESSORIES SHALL BE FURNISHED WITH LIGHTING FIXTURES GENERAL ELECTRIC, COOPER, HOLOPHANE, OR APPROVED EQUAL				

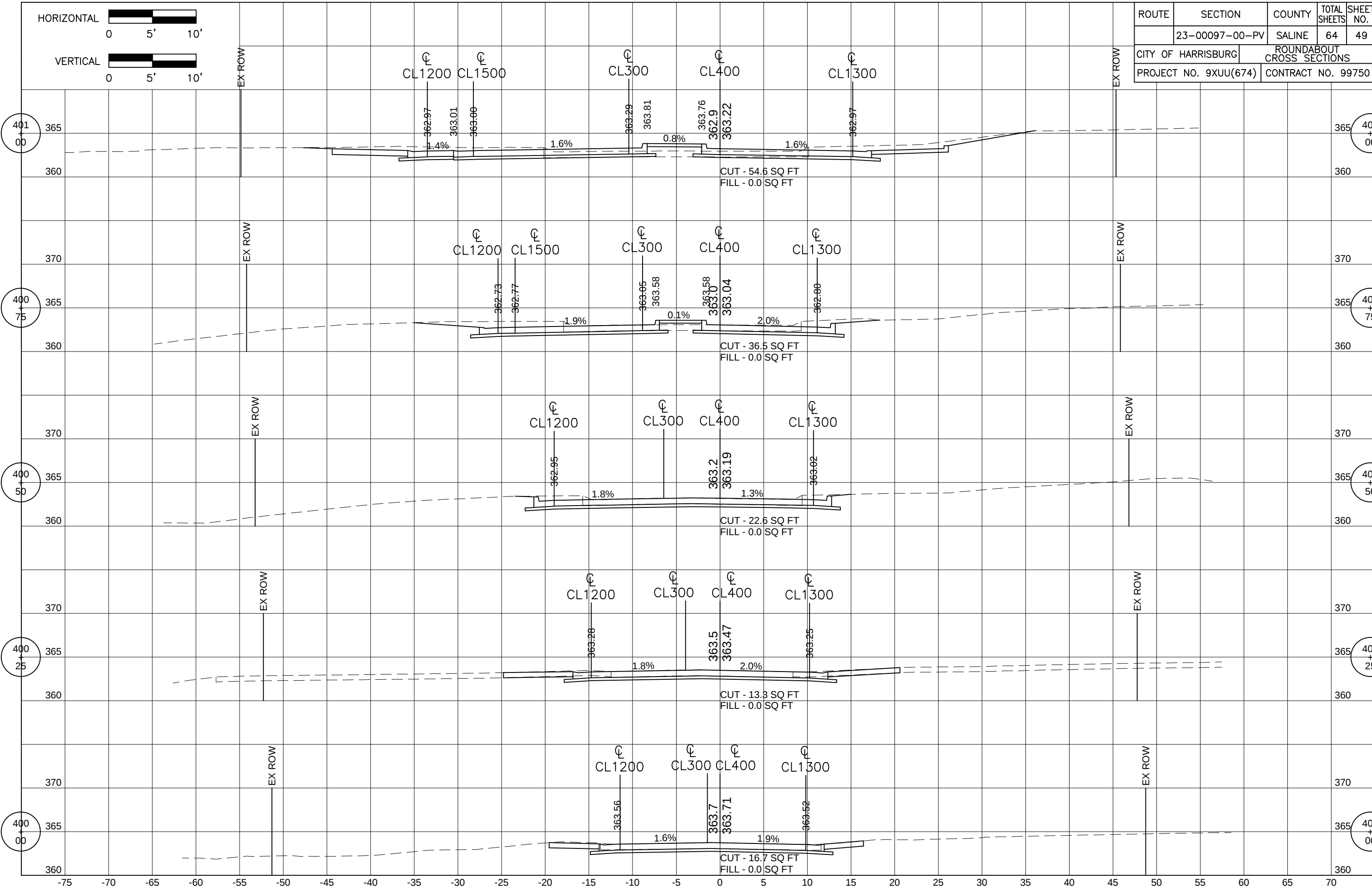
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	47
CITY OF HARRISBURG		SCHEDULES		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		

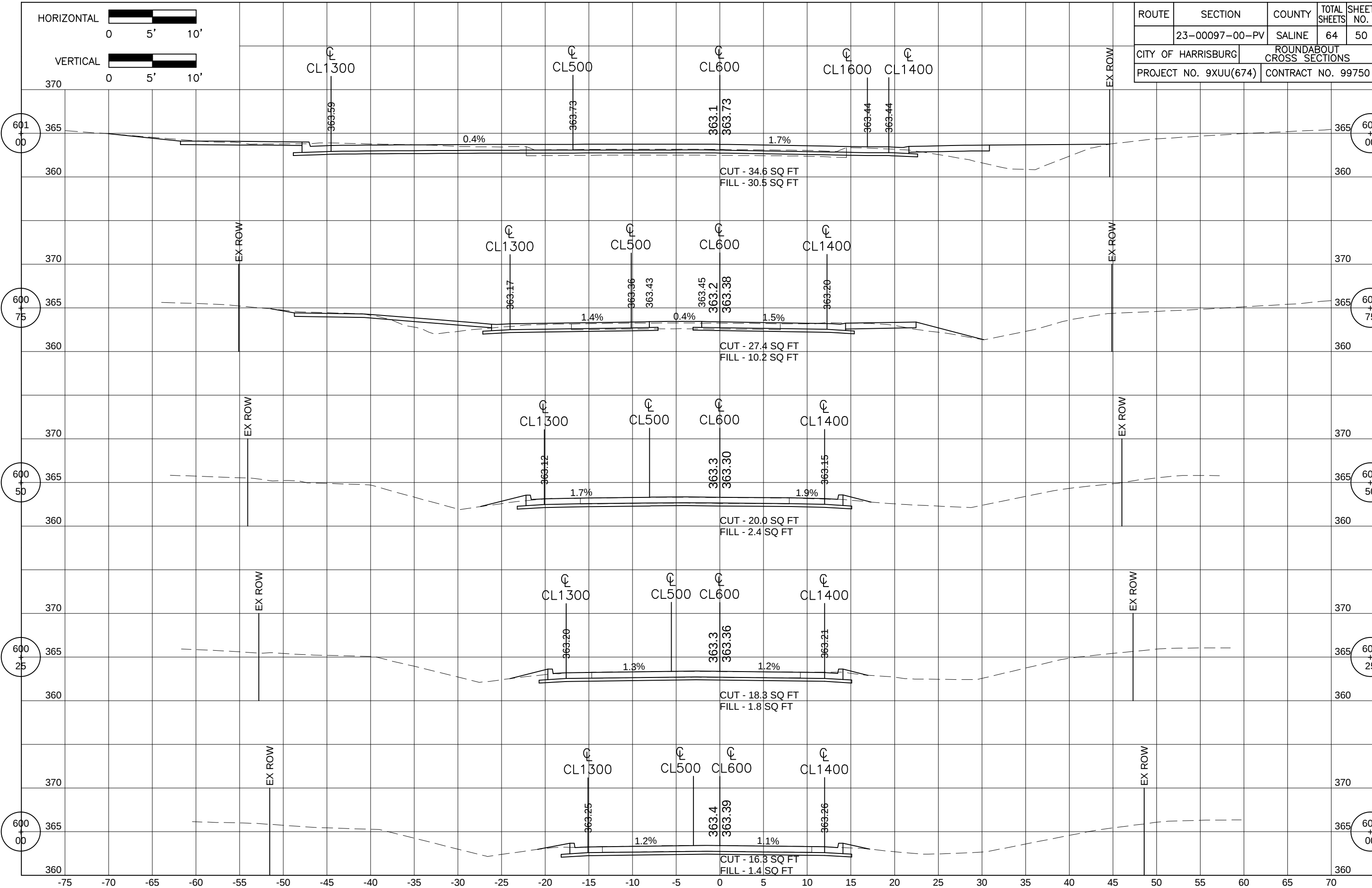
NOTE:

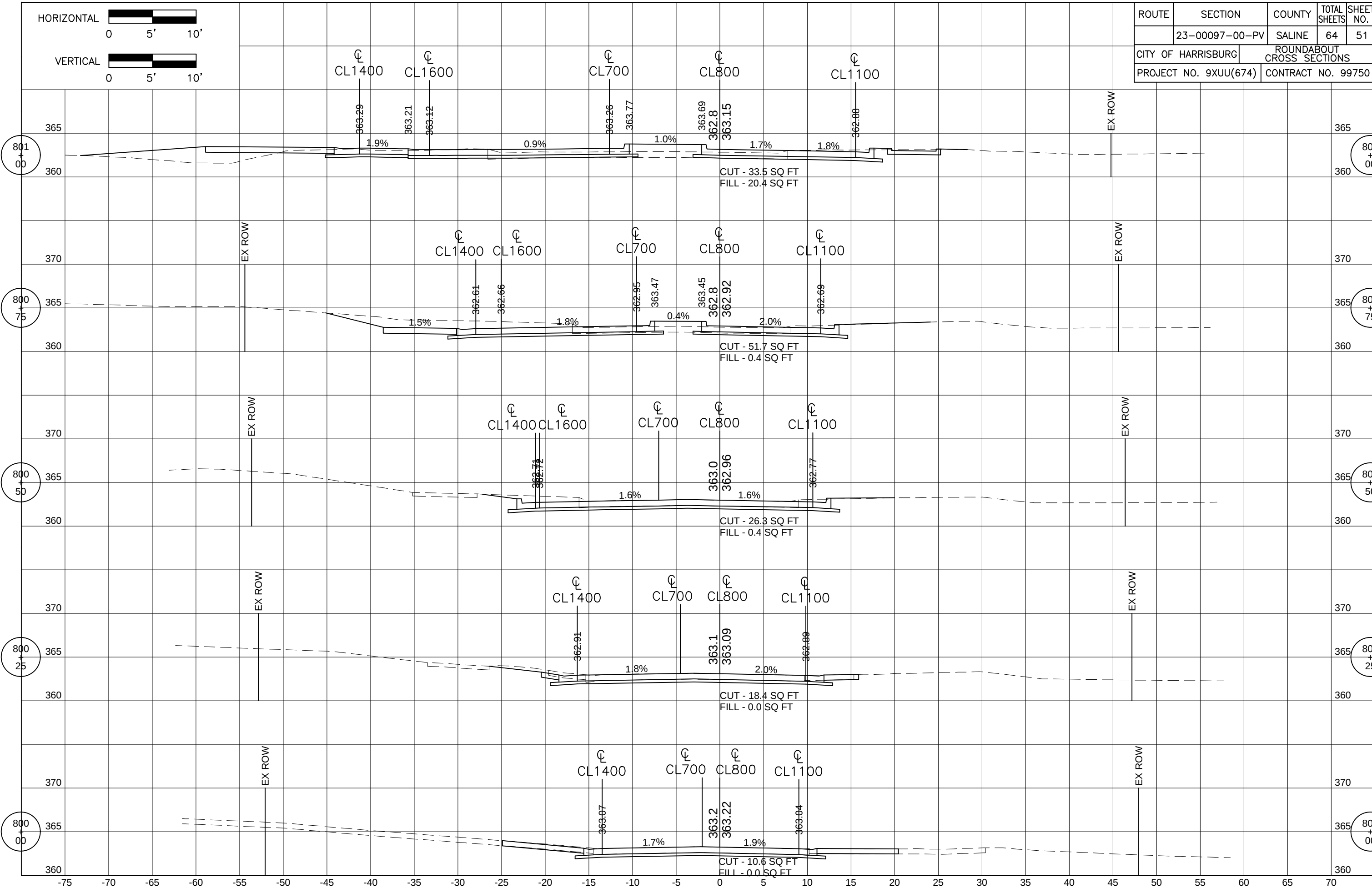
1. ALL UNIT DUCT CABLE SHALL BE 600V,
2 - 1/C NO. 8, 1 - 1/C NO. 8 GROUND,
(XLP-TYPE USE), 3/4" DIA. POLYETHYLENE.

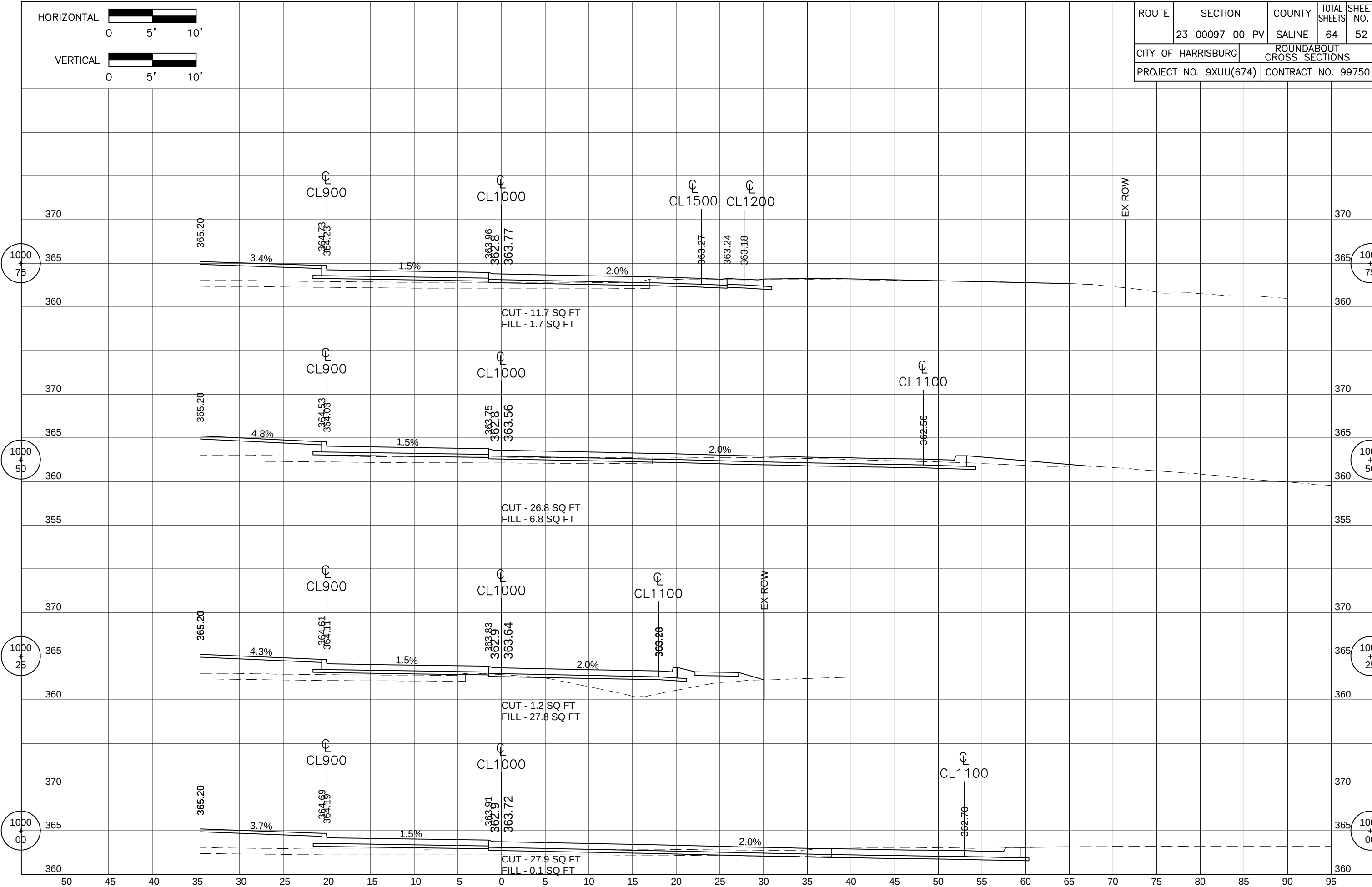


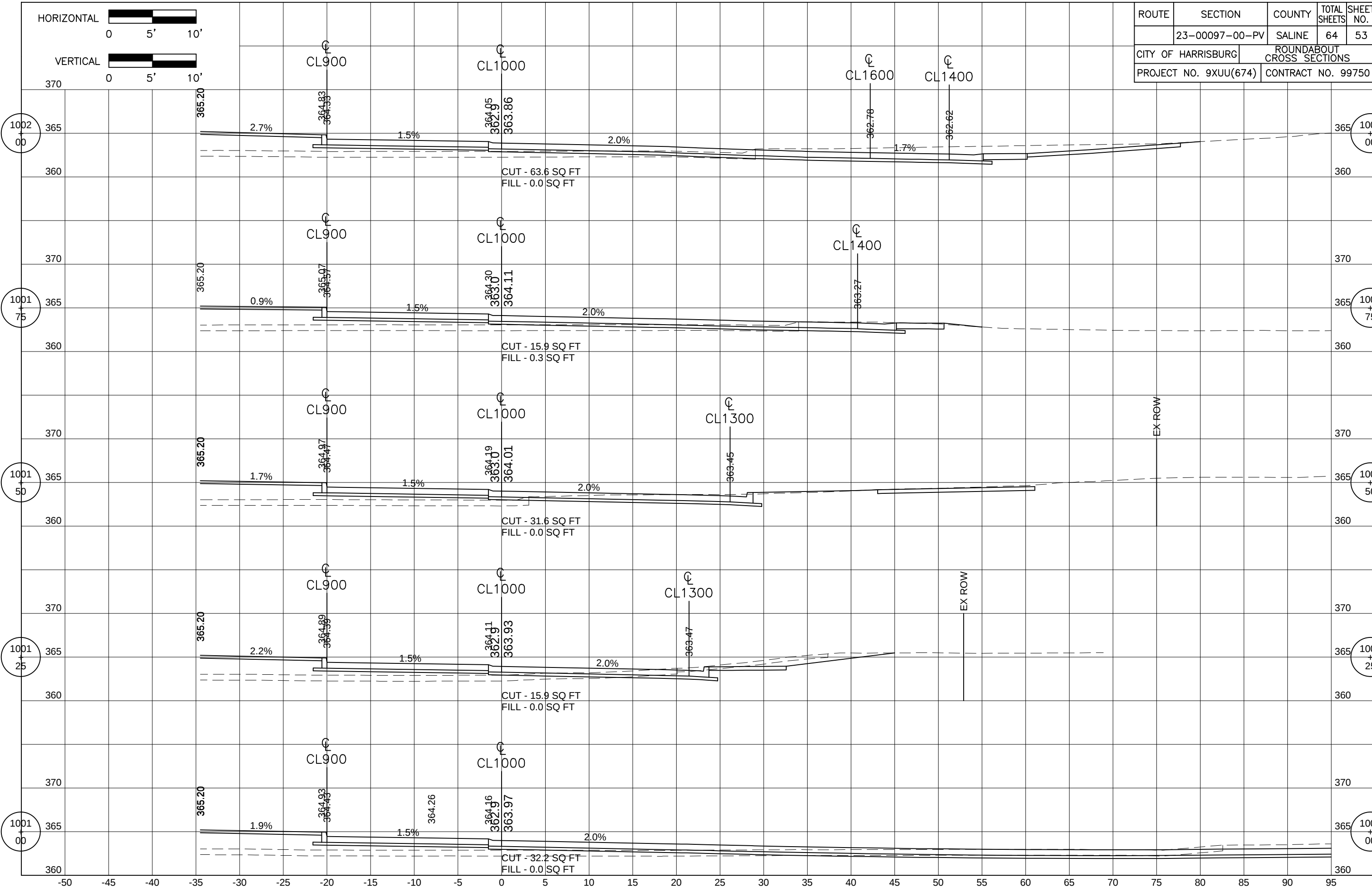






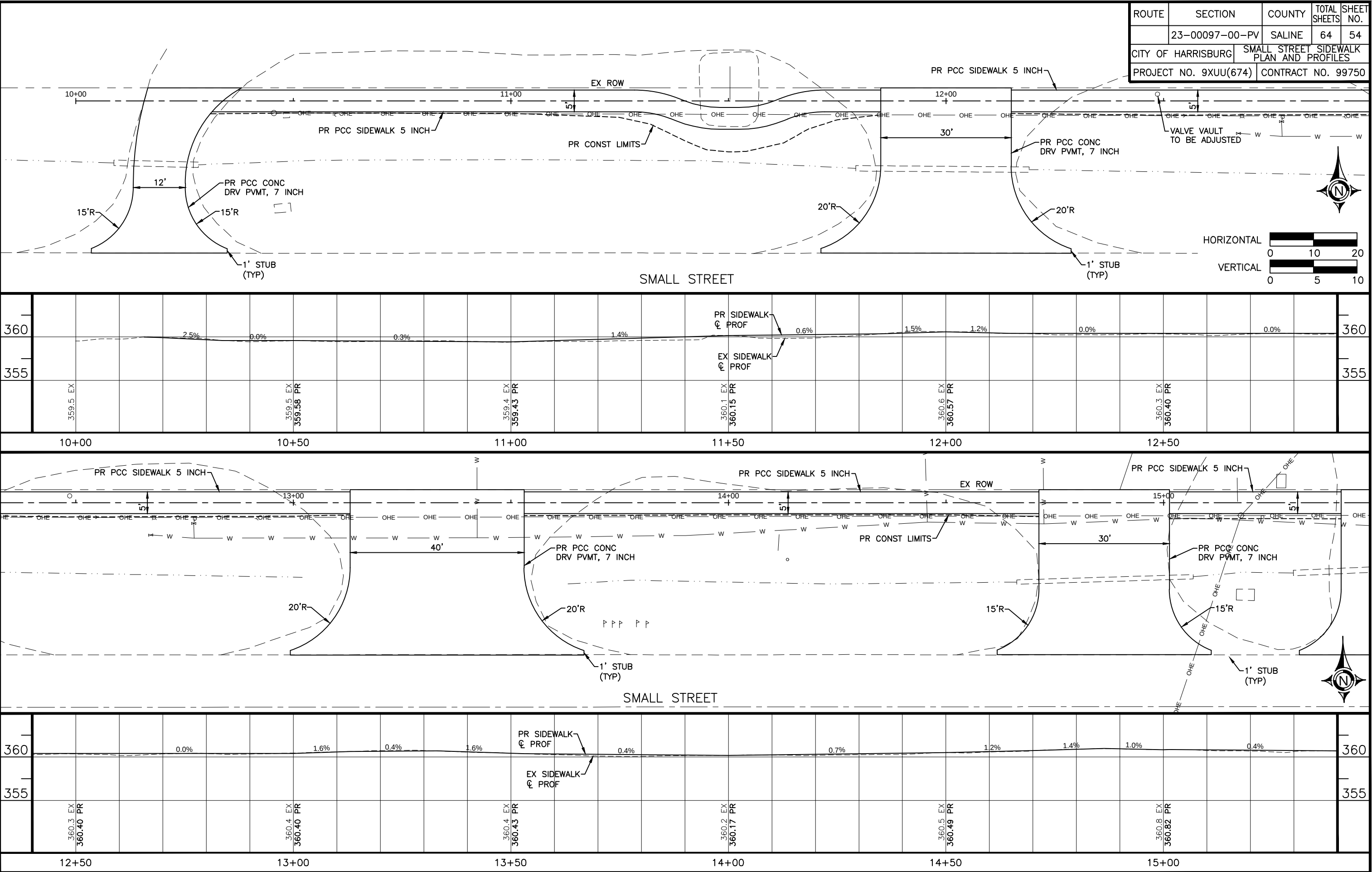


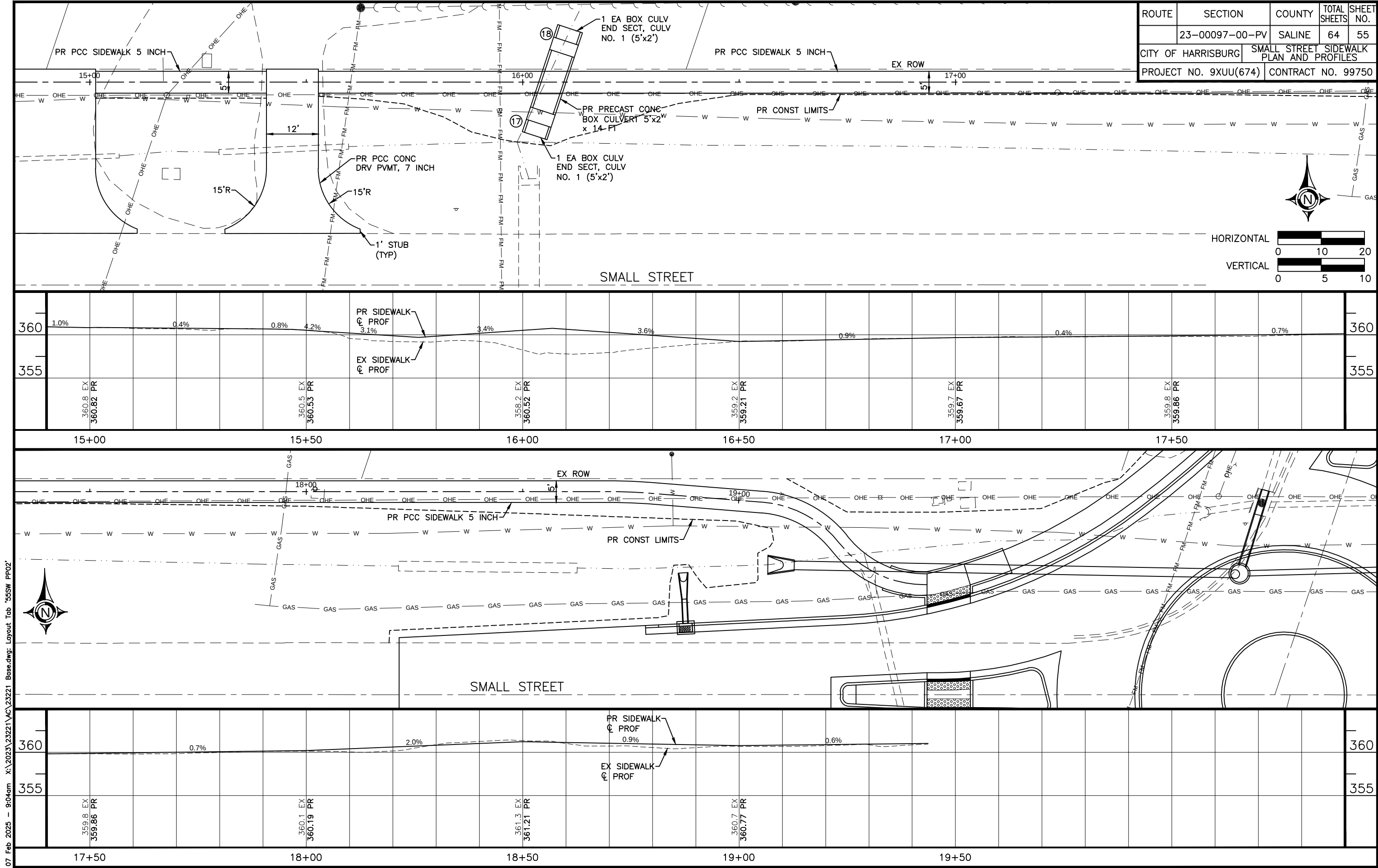




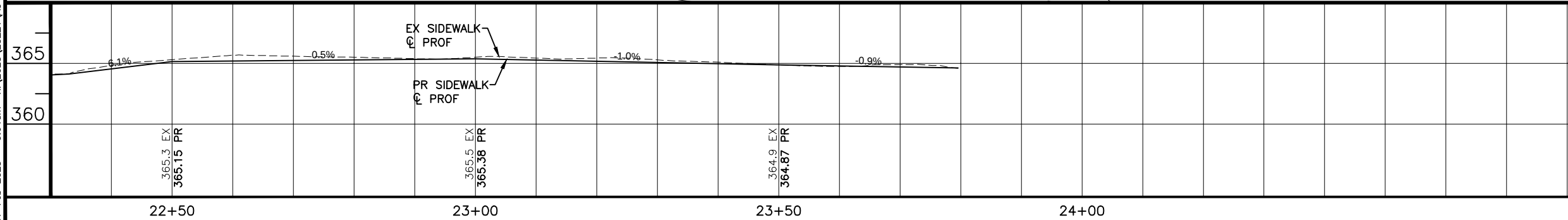
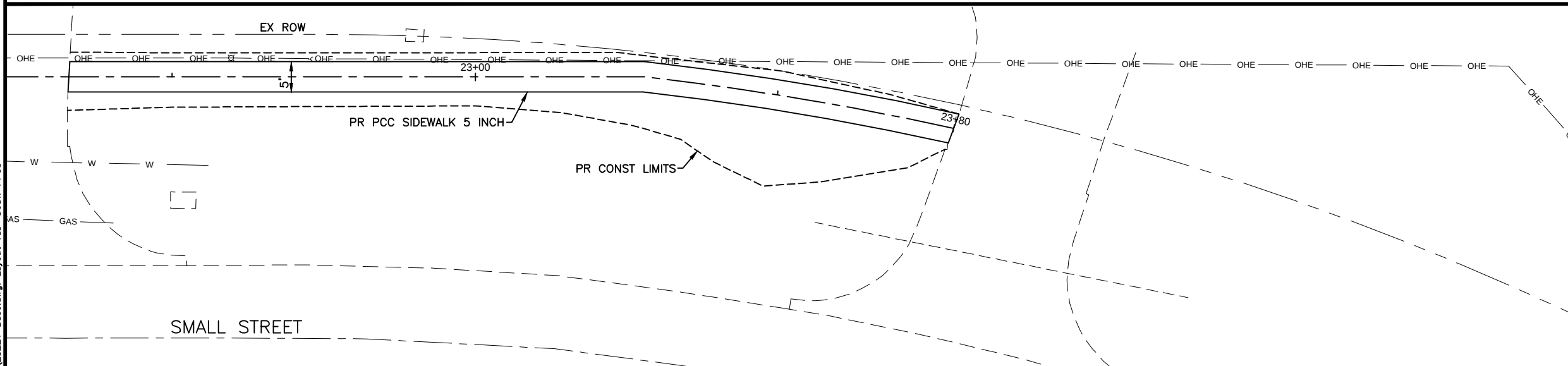
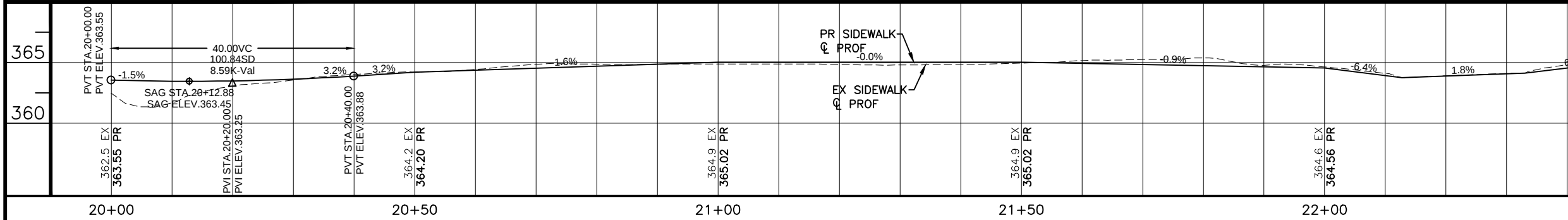
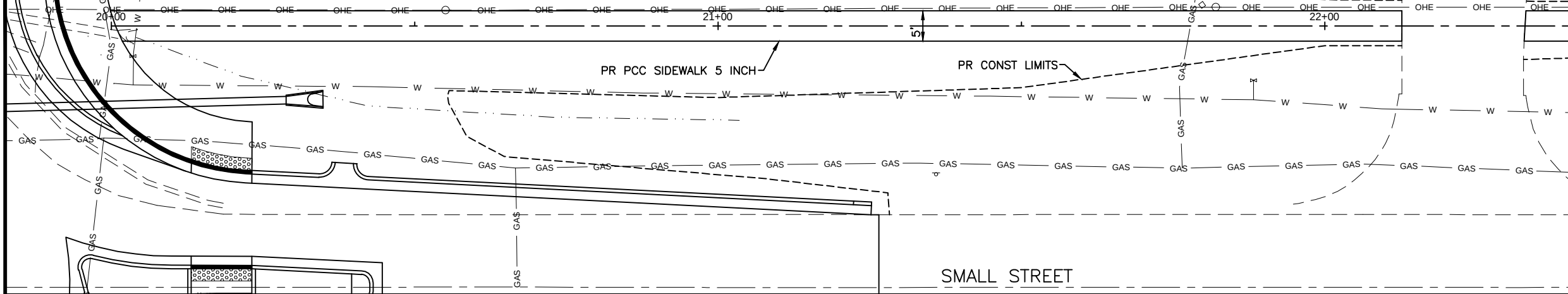
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	53
CITY OF HARRISBURG		ROUNDABOUT CROSS SECTIONS		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		

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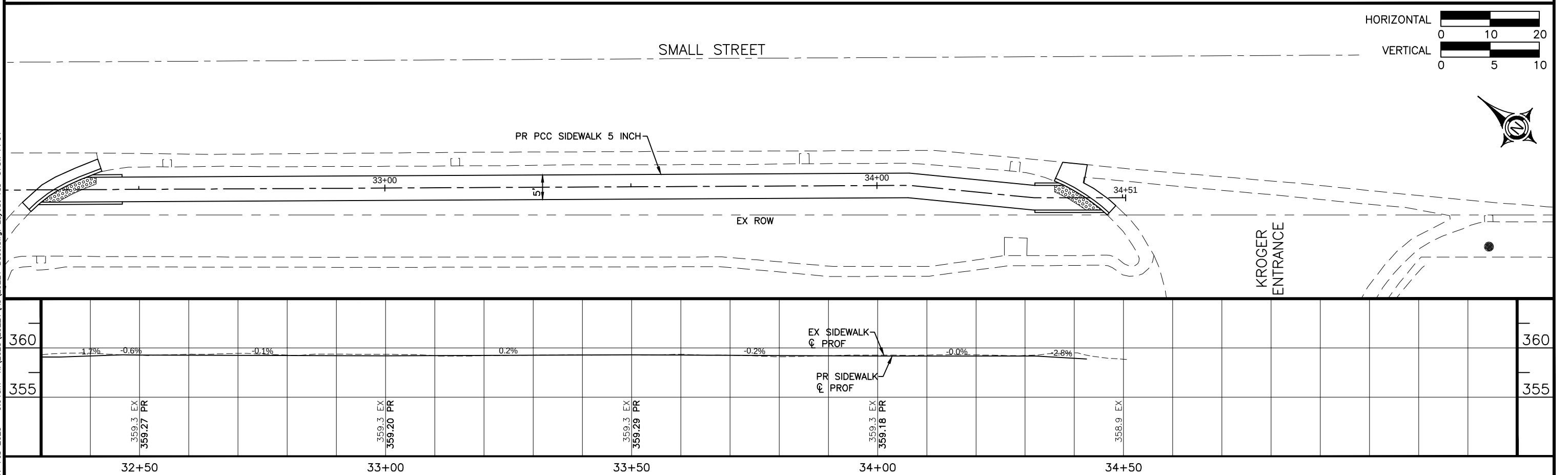
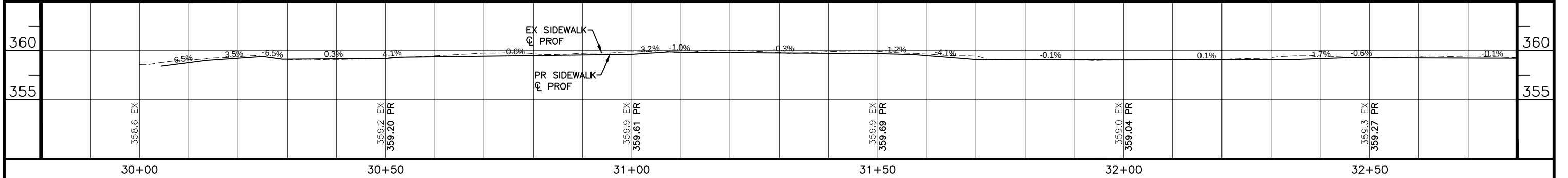
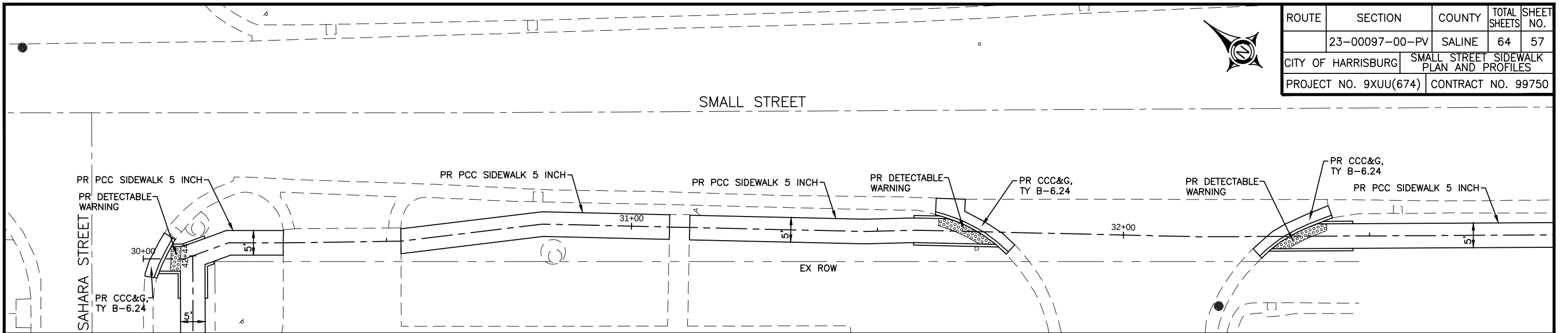




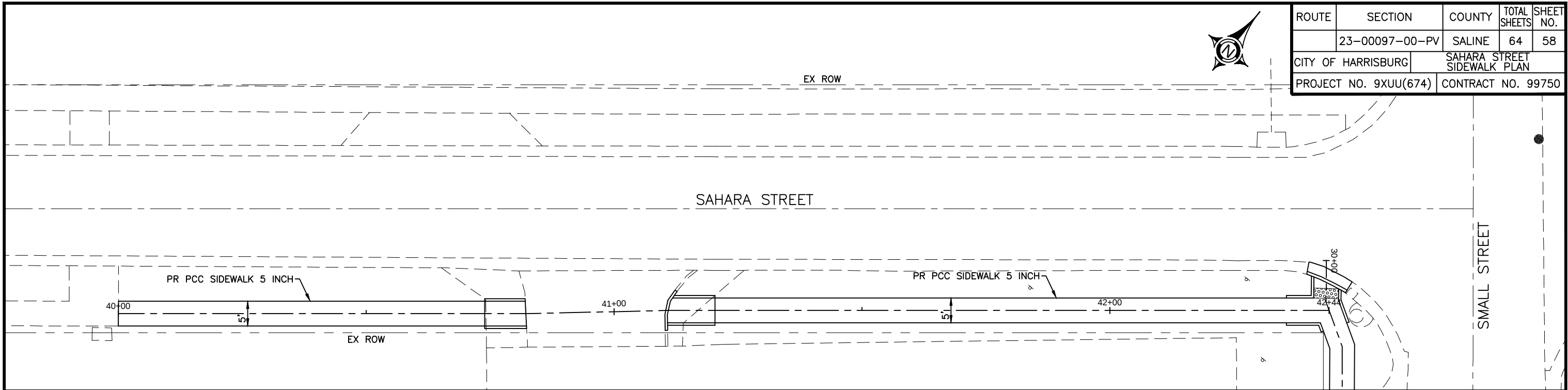
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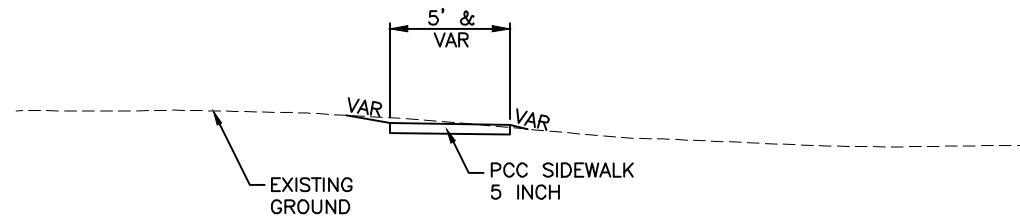
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	57
CITY OF HARRISBURG		SMALL STREET SIDEWALK PLAN AND PROFILES		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		



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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	23-00097-00-PV	SALINE	64	58
CITY OF HARRISBURG		SAHARA STREET SIDEWALK PLAN		
PROJECT NO. 9XUU(674)		CONTRACT NO. 99750		



PROPOSED SIDEWALK TYPICAL SECTION

