

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9557	05-00081-00-RP	SALINE	45	8
CITY OF HARRISBURG		GRANGER STREET		

CONTRACT NO. 99439

STORM SEWER

POINT TO POINT	STORM SEWERS, CLASS A, TYPE 1					STORM SEWERS, CLASS B, TYPE 1			% GRADE	TRENCH BACKFILL (CU. YD.)
	12"	15"	18"	24"	27"	12"	15"	18"		
1-2	4								0.50%	0.3
2-4					138				0.64%	127.7
3-4	4								1.00%	0.5
4-5	18								0.83%	2.2
5-6A					40				0.68%	24.6
6-6A	19								0.89%	2.2
6A-8				91					0.11%	34.5
7-8	4								0.50%	0.5
8-9	18								0.44%	2.2
8-11				90					0.11%	28.7
10-11	4								1.00%	0.5
11-12	18								0.50%	2.2
11-14				85					0.11%	22.2
13-14	4								1.00%	0.4
14-15	18								0.83%	2.2
14-17				95					0.11%	22.1
16-17	3								1.33%	0.4
17-18	18								0.83%	2.2
17-22				73					0.11%	12.6
19-24	25								0.52%	5.2
24-22	26								0.51%	5.4
22-21				15					1.60%	2.5
20-21						13			0.38%	1.6
21-23				13					0.62%	8.2
21-27								31	0.45%	20.5
25-26	8								0.75%	5.6
26-27	22								0.41%	13.3
27-28	9								0.78%	5.1
27-30								55	0.45%	39.7
29-30	25								0.40%	9.2
30-32								90	0.47%	46.0
31-32	25								0.40%	9.2
32-34						88			0.47%	42.9
33-34	25								0.52%	8.7
34-36						59			0.49%	26.8

POINT TO POINT	STORM SEWERS, CLASS A, TYPE 1					STORM SEWERS, CLASS B, TYPE 1			% GRADE	TRENCH BACKFILL (CU. YD.)
	12"	15"	18"	24"	27"	12"	15"	18"		
35-36	25								0.40%	8.2
36-38						46			0.50%	20.6
37-38	25								0.40%	8.2
39-40	21								0.48%	6.8
40-41	11								0.54%	3.6
41-42	34								0.68%	24.5
42-43				35					0.37%	26.1
43-44	4								1.25%	2.0
44-45	24								1.04%	8.3
42-46				70					0.30%	60.8
46-47	25								0.40%	3.2
46-48				107					0.29%	91.4
48-49	24								0.42%	3.0
48-50				69					0.30%	50.4
50-51				28					0.29%	17.5
51-53				79					0.29%	68.7
52-53	25								0.48%	3.2
53-55				95					0.26%	85.3
54-55	25								0.48%	3.2
55-56				58					0.36%	46.4
58-57	25								0.48%	2.9
57-56	23								0.48%	4.3
57-59				143					3.34%	55.5
60-59	25								0.57%	2.9
59-61				145					3.01%	31.6
61-62	25								0.52%	2.9
61-63				106					4.30%	22.7
64-63	25								0.48%	3.2
63-65				50					5.94%	12.4
65-66	13								0.46%	1.9
65-67				110					0.93%	18.2
67-68				85					0.91%	12.3
68-69	25								1.00%	3.2
68-70	115								1.59%	18.9
70-71	93								3.03%	12.1

TOTALS	909	496	684	462	178	206	90	86		1284.5
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TRENCH BACKFILL FOR WATERMAIN

LOCATION	OFFSET	PIPE DIA. (IN)	TRENCH BACKFILL (C.Y.)
0+40	20'LT TO 18'RT	8	9.3
0+20 TO 2+35	18'RT	8	59.9
2+70	19'LT TO 6'RT	12	6.9
2+70	6'RT TO 18'RT	8	2.3
2+35 TO 2+65	18'RT	8	9.3
2+65 TO 6+80	17'RT	8	115.9
6+70	19'LT TO 6'RT	12	6.9
6+70	6'RT TO 17'RT	8	2.3
6+70 TO 6+95	78'LT	12	6.9
6+80 TO 7+40	17'RT	12	16.6
7+45	17'RT TO 34'RT	8	5.0
7+40 TO 11+75	17'RT	8	120.6
11+45	25'LT TO 15'RT	12	11.0
11+60 TO 12+20	17'RT	12	16.6
12+20 TO 14+20	17'RT	8	55.4
14+20	2'RT TO 17'RT	8	3.5
14+20	25'LT TO 2'RT	12	7.1
14+20 TO 16+50	25'LT TO 17'LT	8	63.6
16+50 TO 16+75	17'LT	12	6.9
16+75	30'LT TO 17'LT	8	3.6
16+75	17'LT TO 3'LT	8	3.5
16+75	3'LT TO 37'RT	12	5.5
16+75 TO 21+25	17'LT	8	124.9
21+15	33'LT TO 1'RT	8	8.4
21+15	1'RT TO 26'RT	12	7.1
21+25 TO 21+55	18'LT	8	7.0
21+55 TO 25+95	18'LT	8	122.2
25+95 TO 26+05	18'LT	8	2.3

TOTAL TRENCH BACKFILL FOR WATERMAIN	810.5
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