

Steam Pit #	Surface Area Condition	Access	Manhole dimensions				Concrete to be Removed (Cubic Yards)	Pit Backfill (Cubic Yards)	Steam main installation type	Piping Inside Steam Pit				Sump Drainage	HDR Photo?	Comments/special conditions
			Diameter, ft	Nominal Width, ft	Nominal Length, ft	Depth (Assumed: 5 ft), ft				Nominal Size, in	Estimated Length of Steam Piping, ft	Condensate Pipe Nominal Size, in	Estimated Length of Condensate Piping, ft			
1	Grass	Plate, removable steel, exposed concrete		8.00	7.25	5.00	0.00	0.00	Tunnel	14	12	6	12		Yes	
2	Grass	Manhole lid, exposed concrete top		5.00	5.25	5.00	0.00	0.00	Tunnel	14, 10	18	6	9		Yes	
3	Parking lot pavement	Grating, removable steel, exposed concrete		9.00	9.50	5.00	0.00	0.00	Tunnel	14, 10	18	6	20		Yes	
4	Grass	Manhole lid, no exposed concrete		5.00	5.25	5.00	0.00	0.00	Tunnel	14, 10	18	6	9			
5	Grass	Grating, removable steel, exposed concrete		8.75	9.33	5.00	0.00	0.00	Tunnel	14, 8	13	6	13		Yes	
6	Grass	Manhole lid, exposed concrete top		5.00	5.00	5.00	0.00	0.00	Tunnel	14, 10	20	6	10		Yes	
7	Grass	Manhole lid, no exposed concrete		6.83	7.25	5.00	0.00	0.00	Tunnel	14, 10	22	6	11		Yes	Adjacent exhaust fan on 6'x6' pad
8	Grass	Plate, removable steel, exposed concrete		4.75	5.00	5.00	0.00	0.00	Tunnel	12, 10, 6	27	6	9		Yes	
9	Grass	Plate, removable steel, exposed concrete		4.50	5.25	5.00	0.00	0.00	Tunnel	12, 6	18	6, 3	12		Yes	
10	Grass	Manhole lid, exposed concrete top		3.58	3.83	5.00	0.00	0.00	Tunnel	12, 6	16	3	8		Yes	
11	Grass	Manhole lid, exposed concrete top		3.50	3.92	5.00	0.00	0.00	Tunnel	12, 6, 4	8	3	8		Yes	
12	Grass	Plate, removable steel, exposed concrete		6.33	7.17	5.00	0.00	0.00	Tunnel	14, 10	11	6	11		Yes	
13	Grass	Manhole lid, exposed concrete top		3.33	4.25	5.00	0.00	0.00	Tunnel	12, 4	12	3	6		Yes	
14	Grass	Plate, removable steel, exposed concrete		7.50	12.83	5.00	5.55	20.20	Chase	10	17	4	7.5		Yes	Two 6'x6' steam pits at this location
15	Grass	Manhole lid, no exposed concrete	4.5			5.00	2.14	3.34	Chase	10, 4	9	4, 3	9		Yes	Adjacent to air intake and tree
16	Grass	Manhole lid, no exposed concrete	4.5			5.00	2.14	3.34	Chase	4	9	3	9		Yes	
17	Grass	Manhole lid, no exposed concrete	4.5			5.00	2.14	3.34	Chase	4	9	3	9		Yes	
18	Grass	Manhole lid, no exposed concrete	4.5			5.00	2.14	3.34	Chase	3	9	3	9		Yes	
19	Grass	Manhole lid, no exposed concrete	4.5			5.00	2.14	3.34	Chase	3	9	3	9		Yes	Adjacent to telecom
20	Grass	Manhole lid, no exposed concrete	4.5			5.00	2.14	3.34	Chase	3	9	3	9		Yes	Near sidewalk, may require repair on removal
21	Grass	Manhole lid, no exposed concrete	4.5			5.00	2.14	3.34	Chase	3	9	3	9		Yes	
22	Grass	Manhole lid, no exposed concrete	4.5			5.00	2.14	3.34	Chase	3	9	3	9		Yes	
23	Grass	Manhole lid, no exposed concrete	4.5			5.00	2.14	3.34	Chase	3	9	3	9		Yes	
24	Grass	Plate, removable steel, exposed concrete		5.33	3.67	5.00	1.39	4.11	Chase	3	8	3	8		Yes	Adjacent tree within 3 ft of steam pit
25	Grass	Plate, removable steel, exposed concrete		5.17	7.33	5.00	2.75	7.95	Chase	3	11	3	11			
27	Gravel	Manhole lid and steel plate		8.00	3.83	5.00	1.70	6.44	Chase	10	12	4	12		Yes	
28	Grass	Plate, removable steel, exposed concrete		5.50	6.00	5.00	2.30	6.93	Chase	10	10	4	10		Yes	Removal impacts nearby shrubs
28A	Not found			3.67	5.33	5.00	1.80	4.11		10	9	4	10			Pit Drawing Exist, but Pit not on Steam Dist Drawing
28B	Grass	Plate, removable steel, exposed concrete		12.75	7.75	5.00	4.35	20.74	Chase						Yes	
29	Grass	Plate, removable steel, exposed concrete		5.00	6.00	5.00	2.22	6.30	Chase	10	10	4	10		Yes	Removal impacts nearby shrubs
30	Grass	Plate, removable steel, exposed concrete		5.17	6.00	5.00	2.25	6.51	Chase	10	10	4	10		Yes	Removal impacts nearby shrubs
31	Grass	Plate and grating, removable steel, exposed concrete		11.67	8.17	5.00	4.37	20.00	Chase	10	12	4	12		Yes	Steam pit extends 2 ft above grade
32	Not found			6.08	5.50	5.00	2.18	7.02		2.5	9	2	9			
33	Grass	Plate, removable steel, exposed concrete		6.00	6.00	5.00	2.37	7.56	Chase	10	6	4	6		Yes	2 vents extending from ground
34	Grass	Manhole lids (2), exposed concrete		7.67	5.33	5.00	2.33	8.58	Chase	10	14	4	14		Yes	2 vents extending from ground
35	Grass	Manhole lids (2), exposed concrete		8.17	6.00	5.00	2.69	10.28	Chase	10	16	4	16		Yes	2 vents extending from ground
36	Grass	Manhole lids (2), exposed concrete		6.00	7.67	5.00	3.03	9.66	Chase	10	20	4	20		Yes	
37	Sidewalk/curb	Plate, removable steel, exposed concrete		7.67	4.00	5.00	1.75	6.44	Chase	8	16	4	16		Yes	
37A	Sidewalk/curb	Plate, removable steel, exposed concrete		5.17	12.17	5.00	4.56	13.19	Chase	8	9				Yes	
38	Parking lot pavement	Plate, removable steel, exposed concrete		5.33	6.66	5.00	2.52	7.45	Chase	2	15	1.5	15		Yes	
39	Grass	Plate and grating, removable steel, exposed concrete		7.33	5.75	5.00	2.46	8.85	Chase	3	9	1.25	9		Yes	
40	Grass	Manhole lid, no exposed concrete		6.00	9.83	5.00	3.88	12.38	Chase	8	10	6	10		Yes	2 vents extending from ground
41	Grass	Plate and grating, removable steel, exposed concrete		11.83	7.83	5.00	4.22	19.45	Chase	8	16	6	16		Yes	
42	Grass	Manhole lid, exposed concrete top		7.17	6.00	5.00	2.54	9.03	Chase	8	11	8	11		Yes	2 vents extending from ground
43	Grass	Plate and grating, removable steel, exposed concrete		10.33	10.75	5.00	5.40	23.31	Chase	8	14	6	14		Yes	
44	Grass	Plate, removable steel and manhole lid, exposed concrete		8.33	8.33	5.00	3.77	14.57	Chase	6	12	4	12		Yes	
45	Parking lot pavement	Plate, removable steel, exposed concrete		7.00	7.00	5.00	2.94	10.28	Chase	6	14	4	14		Yes	
46	Grass	Plate, removable steel, exposed concrete		7.00	7.00	5.00	2.94	10.28	Chase	6	11	3	11		Yes	
47	Sidewalk/curb	Plate, removable steel, exposed concrete		7.50	4.33	5.00	1.87	6.82	Chase	6	12	3	12		Yes	
48	Sidewalk/building	Plate, removable steel and manhole lid, exposed concrete		9.00	9.08	5.00	4.26	17.16	Chase	6, 4	20	3	20		Yes	
49	Roadway	Plate, removable steel, exposed concrete		8.50	10.17	5.00	4.64	18.14	Chase	6, 5	14	3	14		Yes	
50	Grass	Plate, removable steel, exposed concrete		9.67	10.17	5.00	4.94	20.63	Chase	5	20	3	20		Yes	
51	Grass	Plate, removable steel, exposed concrete		7.00	5.00	5.00	2.10	7.35	Chase						Yes	No Pit Drawing
52	Grass	Plate, removable steel, exposed concrete		6.00	6.00	5.00	2.37	7.56	Chase						Yes	Appeared to be out of service, No Pit Drawing
53	Grass	Manhole lid, exposed concrete top		5.00	9.00	5.00	3.33	9.44	Chase						Yes	Appeared to be out of service, No Pit Drawing
53A	Grass	Manhole lid, no exposed concrete				5.00	0.00	0.00	Chase						Yes	No Pit Drawing
69	Grass	Grating, removable steel, exposed concrete		7.17	7.17	5.00	3.04	10.78	Direct buried	10	11	6	11		Yes	
70	Grass	Grating, removable steel, exposed concrete		15.83	12.00	5.00	7.65	39.88	Direct buried	10, 6	36	6, 4	36		Yes	
71	Grass	Manhole lid, exposed concrete top		11.00	7.75	5.00	4.02	17.89	Chase	6	16	4	12		Yes	2 gooseneck vents
80	Sidewalk/curb	Plate, removable steel, exposed concrete		5.67	7.67	5.00	2.97	9.13	Chase	6, 5	12	4	12		Yes	
81A	Grass	Grating, removable steel, exposed concrete		14.33	8.50	5.00	5.11	25.56	Direct buried						Yes	
83	Grass	Grating, removable steel, exposed concrete		9.17	12.67	5.00	6.00	24.38	Direct buried	10, 8	20	6	15	Electric Sump Pump	Yes	
83A	Grass	Plate, removable steel, exposed concrete		8.17	7.33	5.00	3.29	12.57	Direct buried						Yes	Located on edge of riverbank
84	Grass	Plate and grating, removable steel, exposed concrete		8.17	7.33	5.00	3.29	12.57	Chase	8	11	6	11		Yes	
87	Grass	Plate, removable steel, exposed concrete		8.75	7.00	5.00	3.24	12.85	Chase	8	13	6	13		Yes	

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			Diameter, ft	Nominal Width, ft	Nominal Length, ft	Depth (Assumed: 5 ft), ft				Steam Pipe Nominal Size, in	Estimated Length of Steam Piping, ft	Condensate Pipe Nominal Size, in	Estimated Length of Condensate Piping, ft			
87A	Grass/part of building	Above grade building/vault w/ access door				5.00	0.00	0.00	Direct buried					Electric Sump Pump	Yes	May be SHPO issue if altered
88	Grass	Grating, removable steel, exposed concrete		12.25	10.50	5.00	5.77	27.00	Direct buried	6	21	3	21	Electric Sump Pump	Yes	
88A	Grass	Grating, removable steel, exposed concrete		7.67	7.67	5.00	3.35	12.35	Direct buried					Electric Sump Pump	Yes	
88B	Grass	Grating, removable steel, exposed concrete		7.67	7.67	5.00	3.35	12.35	Direct buried					Electric Sump Pump	Yes	
89	Grass	Plate, removable steel, exposed concrete		11.75	10.33	5.00	5.55	25.48	Direct buried	8, 6	28	3, 2-1/2	28		Yes	
90	Grass	Grating, removable steel, exposed concrete		6.67	7.33	5.00	3.02	10.26	Direct buried	8	15	3	15	Electric Sump Pump	Yes	
91	Sidewalk/curb	Grating, removable steel, exposed concrete		9.17	9.33	5.00	4.42	17.96	Direct buried	8, 6, 3	18	6, 3	18		Yes	
93	Parking lot pavement	Plate, removable steel, exposed concrete		7.08	10.00	5.00	4.22	14.87	Direct buried	10, 8	16			Electric Sump Pump	Yes	1 gooseneck vent
98	Grass	Plate, removable steel, exposed concrete		5.00	5.33	5.00	1.97	5.59	Chase	8	14	6, 4	14		Yes	
99	Sidewalk/curb	Plate, removable steel, exposed concrete		9.50	6.75	5.00	3.25	13.46	Chase	8	11	4	11		Yes	
100	Sidewalk/curb	Manhole lid and steel plate		10.50	13.75	5.00	6.96	30.30	Chase	8	24	4	18		Yes	
101	Not found					5.00	0.00	0.00								Pit Drawing Exist, but Pit not on Steam Dist Drawing
102	Grass	Plate, removable steel, exposed concrete		7.83	9.75	5.00	4.29	16.03	Chase	8	12	6	12		Yes	Steam pit extends 2 ft above grade
103	Grass	Plate, removable steel, exposed concrete		12.17	15.00	5.00	8.21	38.30	Chase	8, 4, 3	30	6, 3	30		Yes	
104	Grass	Plate, removable steel, exposed concrete		5.67	5.00	5.00	1.93	5.95	Chase	8	9	4	9		Yes	
105	Grass	Plate, removable steel, exposed concrete		7.67	5.67	5.00	2.47	9.13	Direct buried	10	12	4	12	Steam Sump Pump	Yes	
106	Grass	Plate, removable steel, exposed concrete		12.00	12.00	5.00	6.52	30.22	Direct buried	10	16			Electric Sump Pump	Yes	2 gooseneck vents
107	Parking lot pavement	Grating, removable steel, exposed concrete		6.83	7.25	5.00	3.01	10.40	Chase	8	18	3	11		Yes	
108	Grass	Plate, removable steel, exposed concrete		8.67	9.33	5.00	4.30	16.98	Chase	8	13	4	13		Yes	
110	Grass	Plate and grating, removable steel, exposed concrete		9.50	9.33	5.00	4.49	18.60	Chase	8	13	4	13		Yes	
111	Grass	Plate, removable steel, exposed concrete		6.00	6.00	5.00	2.37	7.56	Chase	8	14	4	14	Floor Drain	Yes	
112	Grass	Plate, removable steel, exposed concrete		5.33	5.75	5.00	2.18	6.43	Chase	8	10	4	10		Yes	Located on edge of riverbank
112a				3.50	5.67	5.00	1.89	4.17		2	10	1.5	10	Floor Drain		
113	Grass	Plate, removable steel, exposed concrete		8.50	21.83	5.00	9.97	38.95	Chase	8	35	4	30	Floor Drain	Yes	
113A	Grass	Plate, removable steel, exposed concrete		6.50	6.00	5.00	2.44	8.19	Above ground						Yes	
113B	Parking lot pavement	Plate, removable steel, exposed concrete		7.33	6.33	5.00	2.71	9.74	Above ground						Yes	
114, 115, 116, 117	Not found					5.00	0.00	0.00								Been Removed
118	Grass	Plate, removable steel, exposed concrete		5.75	12.33	5.00	4.80	14.88	Chase	8	16	3	16	Steam Sump Pump	Yes	
119	Grass	Plate, removable steel, exposed concrete		6.25	5.75	5.00	2.31	7.54	Chase	4	11	3	11		Yes	
121	Grass	Plate and grating, removable steel, exposed concrete		5.50	8.50	5.00	3.25	9.81	Chase	8, 4	20	3	15		Yes	
122	Grass	Grating, removable steel, exposed concrete		3.17	4.17	5.00	1.35	2.77	Chase	8, 4	8	3	8		Yes	
123	Grass	Grating, removable steel, exposed concrete		4.00	4.00	5.00	1.38	3.36	Chase	8	8	3	16		Yes	
124	Sidewalk/curb	Manhole lid, no exposed concrete	4.5			5.00	0.00	0.00	Chase	8, 4	18	3	9		Yes	
125	Sidewalk/curb	Manhole lid, no exposed concrete	4.5			5.00	0.00	0.00	Chase	8, 4	18	3	9		Yes	
126	Grass	Plate and grating, removable steel, exposed concrete		6.00	7.00	5.00	2.77	8.81	Chase	8, 4, 4	28	3	11		Yes	
128	Grass	Plate, removable steel, exposed concrete		5.00	11.00	5.00	4.07	11.54	Chase	5, 4	20	4, 3	15		Yes	2 gooseneck vents
130	Grass	Plate, removable steel, exposed concrete		5.33	9.25	5.00	3.50	10.35	Chase	8, 4	26	3	13		Yes	
131	Grass	Manhole lid, exposed concrete top		3.41	3.67	5.00	1.22	2.63	Chase	12, 6	16	4	8		Yes	
132	Grass	Manhole lid, exposed concrete top		3.67	3.67	5.00	0.00	0.00	Tunnel	12, 6, 4	16	4, 3	8		Yes	
132A	Grass	Plate, removable steel, exposed concrete		4.00	6.50	5.00	0.00	0.00	Tunnel	8	8				Yes	
133	Grass	Plate, removable steel, exposed concrete		9.25	8.33	5.00	0.00	0.00	Tunnel	8	13				Yes	
133A						5.00	0.00	0.00		12, 6		4				Pit Drawing did not include pit dimensions
134	Grass	Manhole lid, no exposed concrete		4.00	4.00	5.00	0.00	0.00	Tunnel	12, 6	8	4	4	Electric Sump Pump	Yes	
135	Grass	Manhole lid, exposed concrete top		3.50	3.75	5.00	0.00	0.00	Tunnel	12, 6	16	4, 3	8		Yes	
136	Grass/part of building	Above grade building/vault w/ access door		10.50	8.00	5.00	0.00	0.00	Tunnel	12, 6	16	4	16		Yes	May be SHPO issue if altered
137	Grass/part of building	Above grade building/vault w/ access door		11.83	10.25	5.00	0.00	0.00	Tunnel	12, 6	40	4	20		Yes	May be SHPO issue if altered
138	Grass	Plate, removable steel, exposed concrete		7.33	10.17	5.00	0.00	0.00	Tunnel	12, 6	22	5, 4	20		Yes	2 gooseneck vents
139	Grass	Manhole lid and steel plate		6.67	8.67	5.00	0.00	0.00	Tunnel	5	11	4	15	Steam Sump Pump	Yes	2 gooseneck vents
140	Not found					5.00	0.00	0.00								Pit Drawing Exist
141	Not found					5.00	0.00	0.00								Pit Drawing Exist
141a	Not found					5.00	0.00	0.00								Pit Drawing Exist
142	Grass	Manhole lid, exposed concrete top		6.25	5.17	5.00	0.00	0.00	Tunnel	12, 6	20	5	10		Yes	
143	Grass	Plate, removable steel, exposed concrete		5.00	5.00	5.00	0.00	0.00	Tunnel	12, 6, 4	22	5, 4, 2.5	20		Yes	
144	Grass	Manhole lid, exposed concrete top		4.00	3.67	5.00	0.00	0.00	Tunnel	12, 6	8	5	4		Yes	
145	Grass	Manhole lid, exposed concrete top		6.00	5.33	5.00	0.00	0.00	Tunnel	3, 2	15	2.5	15	Steam Sump Pump	Yes	
146	Grass	Plate and grating, removable steel, exposed concrete		5.00	5.00	5.00	0.00	0.00	Tunnel	12, 6, 4	22	5, 2.5	15		Yes	
147	Grass	Plate, removable steel, exposed concrete		5.17	4.00	5.00	0.00	0.00	Tunnel	4	8	2.5	8		Yes	2 gooseneck vents
148	Grass	Plate, removable steel, exposed concrete		5.00	4.00	5.00	0.00	0.00	Tunnel	3	8	1.5	8		Yes	2 gooseneck vents
149	Parking lot pavement	Plate, removable steel, exposed concrete		5.00	4.00	5.00	0.00	0.00	Tunnel	3	8	1.5	8		Yes	

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			Diameter, ft	Nominal Width, ft	Nominal Length, ft	Depth (Assumed: 5 ft), ft				Steam Pipe Nominal Size, in	Estimated Length of Steam Piping, ft	Condensate Pipe Nominal Size, in	Estimated Length of Condensate Piping, ft			
150	Parking lot pavement	Plate, removable steel, exposed concrete		5.00	5.00	5.00	0.00	0.00	Tunnel	12, 6, 4	26	5, 3	15		Yes	
151	Grass	Exhaust fan		5.00	5.00	5.00	0.00	0.00	Tunnel	12, 6	10	5	5		Yes	
153	Grass	Manhole lid, exposed concrete top		5.00	5.00	5.00	0.00	0.00	Tunnel	12, 6	10	5	5		Yes	
154	Parking lot pavement	Manhole lid, no exposed concrete		5.00	5.00	5.00	0.00	0.00	Tunnel	12, 6	10	5	5		Yes	
154A	Sidewalk/curb	Manhole lid and steel plate		6.00	16.00	5.00	6.32	20.15	Chase						Yes	
155	Grass	Manhole lid, exposed concrete top		5.00	5.00	5.00	0.00	0.00	Tunnel	12, 6	10	5	5	Electric Sump Pump	Yes	
156	Grass	Manhole lid, exposed concrete top		5.00	5.00	5.00	0.00	0.00	Tunnel	12, 6	10	5	5		Yes	
157	Sidewalk/curb	Manhole lid, exposed concrete top		5.00	5.00	5.00	0.00	0.00	Tunnel	12, 6	10	5	5		Yes	
158	Grass	Manhole lid, exposed concrete top		5.00	5.00	5.00	0.00	0.00	Tunnel	12, 6	10	5	5		Yes	
158A	Grass	Plate, removable steel, exposed concrete		12.33	11.00	5.00	0.00	0.00	Tunnel			6	16		Yes	
158as				12.33	11.00	5.00	6.06	28.47		12, 10, 6	50					Pit Drawing Exist
159	Not found					5.00	0.00	0.00								
160	Parking lot pavement	Grating, removable steel, exposed concrete		8.25	8.33	5.00	3.75	14.42	Chase	8	13	4	13	Floor Drain	Yes	
161	Grass	Plate and grating, removable steel, exposed concrete		12.00	12.33	5.00	6.70	31.05	Chase	8, 6	32	4	32	Floor Drain		
162A	Grass	Grating, removable steel, exposed concrete		7.50	7.67	5.00	3.31	12.07	Direct buried	6	16	4	12	Floor Drain	Yes	
163	Not found			6.75	9.67	5.00	4.00	13.70	Chase	6	16	4	12	Electric Sump Pump		
164	Not found			5.17	5.00	5.00	1.87	5.42	Direct buried	6	10	3	10			
165	Not found			7.00	7.33	5.00	3.08	10.77	Direct buried	6, 3	15	4	9	Floor Drain		
166	Sidewalk/curb	Grating, removable steel, exposed concrete		10.00	20.00	5.00	9.88	41.98	Direct buried	6, 3	22	4	11		Yes	Steam Pit Drawing Indicates Pit Dim 4'-2" X 5'-4" Field Observations 10'X20' from Photo appears 10'X20' closer to actual conditions
166A	Sidewalk/curb	Manhole lid, no exposed concrete		5.83	5.50	5.00	2.15	6.73	Chase	4	10	3	10		Yes	
167	Grass	Grating, removable steel, exposed concrete		6.42	8.50	5.00	3.45	11.45	Direct buried	10, 6	11	4	11		Yes	
167A	Grass	Grating, removable steel, exposed concrete		8.00	8.00	5.00	3.56	13.43	Direct buried	8, 3	20	6, 2	20	Electric Sump Pump	Yes	
167B	Grass	Grating, removable steel, exposed concrete		8.00	8.00	5.00	3.56	13.43	Direct buried	8, 6	20	6, 3	15	Electric Sump Pump	Yes	
167C	Grass	Grating, removable steel, exposed concrete		8.00	8.00	5.00	3.56	13.43	Direct buried	8, 3	20	6	15	Electric Sump Pump	Yes	
167D	Grass	Grating, removable steel, exposed concrete		8.00	8.00	5.00	3.56	13.43	Direct buried	8, 6	20	6, 3	18	Electric Sump Pump	Yes	
167E	Sidewalk/building			5.00	5.50	5.00	2.04	5.77	Direct buried	4	10	1.5	10		Yes	
168	Parking lot pavement	Grating, removable steel, exposed concrete		5.00	8.00	5.00	2.96	8.40	Direct buried	10	18	6	18	Steam Sump Pump	Yes	Steam Pit Drawing Indicates Pit Dim 14'-6" X 18'-6" Field Observations 5'X8' from Photo appears 5'X8' closer to actual conditions
168A	Parking lot pavement			4.25	4.25	5.00	1.50	3.79	Chase	10	4.25	6	4.25		Yes	
169	Parking lot pavement	Plate, removable steel, exposed concrete		5.25	5.67	5.00	2.14	6.25	Chase	10, 4	15	6, 2	10		Yes	
170	Parking lot pavement	Grating, removable steel, exposed concrete		5.00	5.00	5.00	1.85	5.25	Chase						Yes	
171	Sidewalk/curb	Grating, removable steel, exposed concrete		7.00	8.00	5.00	3.36	11.75	Chase						Yes	
172	Parking lot pavement	Grating, removable steel, exposed concrete		8.00	9.00	5.00	4.00	15.11	Chase	10, 4	17	6	13		Yes	
172A	Grass	Grating, removable steel, exposed concrete		9.00	10.00	5.00	4.69	18.89	Direct buried						Yes	
173	Grass	Plate, removable steel, exposed concrete		5.00	5.67	5.00	2.10	5.95	Direct buried	10, 2	10	6	6	Electric Sump Pump	Yes	
174	Grass	Plate and grating, removable steel, exposed concrete		6.67	6.00	5.00	2.47	8.40	Direct buried	10, 5	15	4, 2.5	15	Electric Sump Pump	Yes	
175	Grass	Grating, removable steel, exposed concrete		8.00	18.33	5.00	8.15	30.78	Direct buried	10, 5, 3	30	4, 2	30		Yes	
176	Grass	Grating, removable steel, exposed concrete		7.00	5.75	5.00	2.41	8.45	Direct buried	10, 4	14	4, 2	14	Electric Sump Pump	Yes	
177	Grass	Grating, removable steel, exposed concrete		6.50	9.17	5.00	3.73	12.51	Direct buried	10, 6	21	4, 3	21	Electric Sump Pump	Yes	
178	Grass	Grating, removable steel, exposed concrete		10.00	20.00	5.00	9.88	41.98	Direct buried	10	16	4	16	Electric Sump Pump	Yes	Steam Pit Drawing Indicates Pit Dim 7' X 6'-3" Field Observations 10'X20' from Photo appears 10'X20' closer to actual conditions
178A	Grass	Grating, removable steel, exposed concrete		7.00	9.00	5.00	3.78	13.22	Direct buried						Yes	
179	Grass	Grating, removable steel, exposed concrete		4.17	4.17	5.00	1.46	3.64	Direct buried	10	10	4	10	Electric Sump Pump	Yes	
180	Parking lot pavement	Plate, removable steel, exposed concrete		7.33	8.50	5.00	3.64	13.08	Direct buried	10, 3	20	4, 2	20		Yes	
181	Grass	Grating, removable steel, exposed concrete		8.33	9.17	5.00	4.15	16.03	Direct buried	10, 6	16	3	16	Electric Sump Pump	Yes	
182	Grass	Grating, removable steel, exposed concrete		13.17	14.00	5.00	8.01	38.69	Direct buried	10	13			Electric Sump Pump	Yes	
183	Grass	Grating, removable steel, exposed concrete		6.75	8.33	5.00	3.45	11.80	Direct buried	10, 8, 4	26	4, 2	26		Yes	
185	Grass	Grating, removable steel, exposed concrete		6.75	8.33	5.00	3.45	11.80	Direct buried	8	16	4	16		Yes	
187	Grass	Grating, removable steel, exposed concrete		10.58	8.17	5.00	4.15	18.14	Direct buried	8	26	6	18		Yes	
188	Grass	Grating, removable steel, exposed concrete		10.00	9.25	5.00	4.57	19.41	Direct buried	8, 6	24	4	24		Yes	
189	Sidewalk/curb	Plate, removable steel, exposed concrete		7.67	8.00	5.00	3.49	12.88	Direct buried	8, 5	20	4	20	Electric Sump Pump	Yes	
190	Grass	Grating, removable steel, exposed concrete		8.50	10.17	5.00	4.64	18.14	Direct buried	8	22	4	22	Steam Sump Pump	Yes	

Steam Pit #	Surface Area Condition	Access	Manhole dimensions				Concrete to be Removed (Cubic Yards)	Pit Backfill (Cubic Yards)	Steam main installation type	Piping Inside Steam Pit				Sump Drainage	HDR Photo?	Comments/special conditions
			Diameter, ft	Nominal Width, ft	Nominal Length, ft	Depth (Assumed: 5 ft), ft				Steam Pipe Nominal Size, in	Estimated Length of Steam Piping, ft	Condensate Pipe Nominal Size, in	Estimated Length of Condensate Piping, ft			
190A	Grass	Grating, removable steel, exposed concrete		8.50	10.17	5.00	4.64	18.14	Chase	6, 3	16	3	16	Electric Sump Pump	Yes	
191	Grass	Grating, removable steel, exposed concrete		9.33	7.33	5.00	3.50	14.35	Direct buried	6, 4	24	4, 3	24	Electric Sump Pump	Yes	
191A	Grass	Manhole lid, exposed concrete top		9.00	13.80	5.00	6.47	26.07	Chase					Electric Sump Pump	Yes	
191B	Parking lot pavement	Manhole lid, exposed concrete top		13.83	9.00	5.00	5.30	26.13	Direct buried					Electric Sump Pump	Yes	
192	Grass	Grating, removable steel, exposed concrete		8.00	8.00	5.00	3.56	13.43	Direct buried	6	12	4	12	Steam Sump Pump	Yes	
193	Grass	Grating, removable steel, exposed concrete		7.00	7.00	5.00	2.94	10.28	Direct buried	6	15	3	15	Steam Sump Pump	Yes	
193A	Grass	Grating, removable steel, exposed concrete		6.67	6.83	5.00	2.81	9.56	Direct buried	6, 2.5	16	3, 2	16		Yes	
193B	Sidewalk/curb	Grating, removable steel, exposed concrete		7.33	7.33	5.00	3.14	11.28	Direct buried	6, 2.5	18	3	18		Yes	
194	Grass	Grating, removable steel, exposed concrete		8.00	8.67	5.00	3.85	14.56	Direct buried	8, 6	21	6	22	Electric Sump Pump	Yes	
195	Grass	Grating, removable steel, exposed concrete		7.33	13.58	5.00	5.81	20.90	Direct buried	10, 8, 6	32	6, 4, 3	32	Steam Sump Pump	Yes	
196	Sidewalk/curb	Plate, removable steel, exposed concrete		9.83	7.67	5.00	3.76	15.83	Chase	10	12	4	12		Yes	
197	Sidewalk/curb	Plate, removable steel, exposed concrete		10.33	7.50	5.00	3.76	16.26	Chase	10, 4	26	4, 2	26		Yes	
198	Sidewalk/curb	Grating, removable steel, exposed concrete		7.75	13.33	5.00	5.84	21.68	Direct buried	10, 8, 6, 4	50	6, 4, 3	30	Steam Sump Pump	Yes	
198a				7.25	7.67	5.00	3.27	11.67	Direct buried	10, 8	12	6, 4	12			
199	Sidewalk/curb	Plate, removable steel, exposed concrete		9.83	10.75	5.00	5.26	22.18	Chase	10	28	4	28		Yes	
199A	Sidewalk/curb	Grating, removable steel, exposed concrete		14.83	4.83	5.00	2.96	15.05	Direct buried	10, 4	21	4, 2	21	Floor Drain	Yes	
200	Sidewalk/curb	Plate, removable steel, exposed concrete		7.83	6.33	5.00	2.79	10.41	Direct buried	10	11	4	11		Yes	
201	Grass	Plate and grating, removable steel, exposed concrete		9.42	9.42	5.00	4.51	18.61	Direct buried	10	19	4	19		Yes	
202	Grass	Grating, removable steel, exposed concrete		7.33	8.42	5.00	3.60	12.95	Direct buried	10, 4	15	4, 2.5	20	Electric Sump Pump	Yes	
203	Not Found			11.17	10.25	5.00	5.36	24.02		4, 3	24	2.5, 2	24	Electric Sump Pump		Pit Drawing Exists
204	Grass/part of building	Plate, removable steel, exposed concrete		7.00	6.42	5.00	2.69	9.43	Direct buried	3	11	2	11		Yes	
205	Grass	Plate, removable steel, exposed concrete		7.17	7.58	5.00	3.21	11.41	Direct buried	6, 4	16	6, 2.5	16	Electric Sump Pump	Yes	
206	Grass	Plate and grating, removable steel, exposed concrete		7.50	9.67	5.00	4.18	15.22	Direct buried	10, 6, 4	22	4, 2	22	Electric Sump Pump	Yes	
207	Grass	Grating, removable steel, exposed concrete		9.83	11.00	5.00	5.39	22.69	Direct buried	10	26	4	22	Electric Sump Pump	Yes	
208	Grass	Grating, removable steel, exposed concrete		5.83	7.17	5.00	2.80	8.77	Direct buried	10, 4	20	5, 2	13	Electric Sump Pump	Yes	
209	Grass	Plate, removable steel, exposed concrete		3.33	6.50	5.00	2.14	4.55	Direct buried	10, 4	17	4, 2	17	Electric Sump Pump	Yes	
210	Grass	Plate, removable steel, exposed concrete		12.33	12.33	5.00	6.80	31.92	Direct buried	10, 6	30	4	30		Yes	
211	Grass	Plate, removable steel, exposed concrete		11.33	7.00	5.00	3.69	16.65	Direct buried	10, 6	13	4, 3	13		Yes	
211A	Grass	Plate, removable steel, exposed concrete		3.00	6.00	5.00	1.93	3.78	Direct buried	10, 7	13	4, 4	13	Electric Sump Pump	Yes	
212	Grass	Grating, removable steel, exposed concrete		14.17	12.33	5.00	7.36	36.66	Direct buried	8, 6	31	6, 3	31		Yes	
212A	Grass	Plate, removable steel, exposed concrete		6.75	6.00	5.00	2.48	8.50	Direct buried	6	8	3	8		Yes	
213A	Grass	Plate and grating, removable steel, exposed concrete		10.25	9.33	5.00	4.67	20.08	Direct buried	6, 5	20	3	20		Yes	
213B	Grass	Adj to Bldg, Pit has sloped concrete top and access door		10.00	10.00	5.00	4.94	20.99	Direct buried						Yes	No Pit Drawing
214	Grass	Grating, removable steel, exposed concrete		7.17	7.17	5.00	3.04	10.78	Direct buried	8, 3	11	6, 3	11		Yes	
215	Parking lot pavement	Grating, removable steel, exposed concrete		13.33	8.17	5.00	4.70	22.85	Direct buried	10, 4	27	4	27	Electric Sump Pump	Yes	
215A	Grass	Grating, removable steel, exposed concrete		7.00	8.17	5.00	3.43	12.00	Direct buried	4	12	4	12		Yes	
216	Grass	Grating, removable steel, exposed concrete		7.67	9.00	5.00	3.93	14.49	Direct buried	6	14	4, 3	14		Yes	
216A	Grass	Grating, removable steel, exposed concrete		7.33	7.75	5.00	3.32	11.92	Direct buried	6	9	5	9	Steam Sump Pump	Yes	
216B	Sidewalk/curb	Grating, removable steel, exposed concrete		3.08	7.00	5.00	2.26	4.53	Direct buried	6	11	3	11		Yes	
217	Grass	Grating, removable steel, exposed concrete		7.50	7.75	5.00	3.35	12.20	Direct buried	6	18	4	18	Steam Sump Pump	Yes	
218	Grass	Grating, removable steel, exposed concrete		4.33	5.50	5.00	1.95	5.00	Direct buried	8, 6	18	6, 4	18	Steam Sump Pump	Yes	
219	Grass	Plate and grating, removable steel, exposed concrete		4.33	5.50	5.00	1.95	5.00	Direct buried	10, 3	16	4, 2	16	Wall Drain	Yes	
220	Grass	Grating, removable steel, exposed concrete		7.17	7.50	5.00	3.18	11.28	Direct buried	10, 4	20	4, 2	20		Yes	
221	Grass	Grating, removable steel, exposed concrete		8.25	8.83	5.00	3.98	15.29	Direct buried	10, 8	40	6, 4	40	Electric Sump Pump	Yes	
222	Grass	Plate and grating, removable steel, exposed concrete		7.67	9.00	5.00	3.93	14.49	Direct buried	10, 6	22	4, 3	22		Yes	
223	Grass	Plate, removable steel, exposed concrete		8.83	9.83	5.00	4.57	18.23	Direct buried	10	14	4	14	Electric Sump Pump	Yes	
224	Grass	Grating, removable steel, exposed concrete		16.50	9.75	5.00	6.38	33.76	Direct buried	10	20	4	20	Electric Sump Pump	Yes	1 gooseneck vent
225	Grass	Grating, removable steel, exposed concrete		3.00	3.00	5.00	0.96	1.89	Direct buried	10, 4	14	4, 2.5	14	Electric Sump Pump	Yes	1 gooseneck vent
226	Grass	Grating, removable steel, exposed concrete		4.17	4.33	5.00	1.52	3.79	Direct buried	10, 8	12	6, 4	12		Yes	2 gooseneck vents
228	Grass	Grating, removable steel, exposed concrete		7.33	7.50	5.00	3.21	11.54	Direct buried	8	12	6	12		Yes	

Steam Pit #	Surface Area Condition	Access	Manhole dimensions				Concrete to be Removed (Cubic Yards)	Pit Backfill (Cubic Yards)	Steam main installation type	Piping Inside Steam Pit				Sump Drainage	HDR Photo?	Comments/special conditions
			Diameter, ft	Nominal Width, ft	Nominal Length, ft	Depth (Assumed: 5 ft), ft				Steam Pipe Nominal Size, in	Estimated Length of Steam Piping, ft	Condensate Pipe Nominal Size, in	Estimated Length of Condensate Piping, ft			
229	Grass	Plate and grating, removable steel, exposed concrete		7.50	8.00	5.00	3.46	12.59	Direct buried	10, 8	28	6	36		Yes	
230	Grass	Grating, removable steel, exposed concrete		10.17	10.50	5.00	5.23	22.41	Direct buried	8	24	5	24		Yes	
231	Grass	Grating, removable steel, exposed concrete		8.00	8.00	5.00	3.56	13.43	Direct buried	8	12	6	12	Electric Sump Pump	Yes	
232				6.50	18.50	5.00	7.54	25.24	Direct buried	14, 14	22	8, 8	22			
235				8.00	8.00	5.00	3.56	13.43		8	12	6	12	Electric Sump Pump		
236				7.00	9.17	5.00	3.85	13.47		8, 4	15	3	15	Steam Sump Pump		
237				9.00	7.00	5.00	3.28	13.22		8, 4	22	5, 3	22			
238				9.00	10.67	5.00	5.01	20.15		8, 6, 3	35	3, 2.5	35			
239				7.83	9.33	5.00	4.11	15.34		6, 3	22	3, 2.5	22			
239a				8.83	10.58	5.00	4.92	19.62		6, 5, 4	32	3, 2.5	32	Electric Sump Pump		
239b				11.00	11.00	5.00	5.70	25.40		6	15	3	15			
240	Grass	Manhole lid, exposed concrete top		9.25	9.25	5.00	4.40	17.96	Direct buried	10, 8	22	6, 3	22		Yes	Adjacent to fence and sidewalk
241	Gravel	Plate, removable steel, exposed concrete		6.00	13.00	5.00	5.14	16.37	Direct buried	14, 10	25	8, 6	25	Electric Sump Pump	Yes	Requires curb rework if removed
243	Grass	Plate and grating, removable steel, exposed concrete		13.67	6.00	5.00	3.51	17.21	Direct buried	14	6	8	6	Electric Sump Pump	Yes	25 ft deep manhole, likely to remain in place
244				7.00	7.00	5.00	2.94	10.28		8	18			Floor Drain		
244a				6.33	7.00	5.00	2.82	9.30		8	11			Floor Drain		
244b				4.83	4.67	5.00	1.71	4.73		8	9			Floor Drain		
245				9.00	9.00	5.00	4.22	17.00		8	13			French Drain		
246				12.00	12.00	5.00	6.52	30.22		10	28					
247				12.00	13.00	5.00	7.06	32.74		10	18					
247	Grass	Plate and grating, removable steel, exposed concrete		13.17	7.83	5.00	4.48	21.65	Direct buried	14	10	8	10	Electric Sump Pump	Yes	25 ft deep manhole, likely to remain in place
248	Grass	Plate, removable steel, exposed concrete		11.17	19.92	5.00	10.41	46.68	Direct buried	14, 12	60	8, 6	60	Electric Sump Pump	Yes	Remains in place to support VA
249				9.00	17.25	5.00	8.09	32.58		14, 14	26	8, 8	26	Electric Sump Pump		
257				8.50	24.00	5.00	10.96	42.81		14, 12	32	8, 6	32	Electric Sump Pump / Steam Sump Pump		
258				11.67	17.00	5.00	9.09	41.63		14, 14	32	8, 8	32			
259				8.00	17.00	5.00	7.56	28.54		14, 14	24	8, 8	24	Electric Sump Pump		
259A				13.00	18.00	5.00	10.22	49.11		10, 10	34	6, 6	34	Electric Sump Pump		
259B				8.00	8.00	5.00	3.56	13.43								
401	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43			16.66337719					
401A	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								
402	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								
403	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								
405	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								
406	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								
407	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								
407A	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								
408	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								

Steam Pit #	Surface Area Condition	Access	Manhole dimensions				Concrete to be Removed (Cubic Yards)	Pit Backfill (Cubic Yards)	Steam main installation type	Piping Inside Steam Pit				Sump Drainage	HDR Photo?	Comments/special conditions
			Diameter, ft	Nominal Width, ft	Nominal Length, ft	Depth (Assumed: 5 ft), ft				Steam Pipe Nominal Size, in	Estimated Length of Steam Piping, ft	Condensate Pipe Nominal Size, in	Estimated Length of Condensate Piping, ft			
409	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								
410	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								
411	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								
412	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								
413	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								
414	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								
415	Verified with Google earth that manhole exist			7.00	7.58	5.00	3.18	11.14		6, 5	27	3	27	Steam Sump Pump		PIT Drawing label as 281
416	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								
418A	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								
419	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								
420	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								
421	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								
422	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								
423	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								
424	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								
425	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								
426	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								
427	Verified with Google earth that manhole exist			13.00	8.00	5.00	4.54	21.83		10, 6	16	6	27	Electric Sump Pump		PIT DWG labeled 280
428	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								
429	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								

Steam Pit #	Surface Area Condition	Access	Manhole dimensions				Concrete to be Removed (Cubic Yards)	Pit Backfill (Cubic Yards)	Steam main installation type	Piping Inside Steam Pit				Sump Drainage	HDR Photo?	Comments/special conditions
			Diameter, ft	Nominal Width, ft	Nominal Length, ft	Depth (Assumed: 5 ft), ft				Steam Pipe Nominal Size, in	Estimated Length of Steam Piping, ft	Condensate Pipe Nominal Size, in	Estimated Length of Condensate Piping, ft			
429A	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								
430	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								
460	Verified with Google earth that manhole exist			8.00	8.00	5.00	3.56	13.43								