

Project: The Grove Park, Walton County

Structure/Line Segment: Refer to the Table below for the various structures and manholes

Pipeline Length: _____ See table below _____

Pipeline Diameter: _____ See table below

No. of Manholes and sizes: 48 Inches

X: Trench width: The greater of 42 inch or 24 inch plus pipe diameter

Y: Additional depth of excavation per specifications: 6 Inches

S: Spacing between borings: 25 - 50 Feet Refer to Design Drawings and Details

Over-drilling below design elevations: 3-4 Feet

Rock Volume Claculations Based on Blast Drilling Information Provided by the Contractor

Boring Number	Location	Pipeline	Depth to Rock (Overburden)	Total Depth of Boring	Linear Feet	Pipe Diameter (in)	Trench Width (ft)	Depth To Invert + y	Rock Elevation	Current Elevation	Invert Elevation	Unrippable depth per test pits	Rock Thickness	Rock Volume (cu.yd.)
1	D1		-	6	5		5	2.00	-	895.32	892.82	893.60	0.78	0.72
2	D1-D2	D1-D2	-	9	57	30	4.5	2.00	-	899.39	896.89			-
3	D2		-	10	5		5.0	6.09	-	900.73	894.14	899.84	5.70	5.28
4	D2-D3	D2-D3	5	10	82	30	4.5	6.09	898.57	903.57	896.98	899.84	2.85	38.95
5	D3		-	10	5		5.0	6.68	-	906.73	899.55			-
6	D3-D4	D3-D4	-	10	72	30	4.5	6.68	-	910.12	902.94			-
7	D4		-	13	5		5.0	9.35	-	912.32	902.47			-
8	D4-D5	D4-D5	-	13	160	30	4.5	9.35	-	913.56	903.71			-
9	D4-D5		-	13			3.5	9.35	-	914.09	904.24			-
10	D5		-	13	5		5.0	9.46	-	913.38	903.42			-
11	4 D5-D6		-	13	106	24	4.0	9.46	-	913.78	903.82	908.71	4.89	76.79
12	D6		-	15	5		5.0	10.63	-	915.11	903.98			-
13	D6-D7	D6-D7	-	16	131	24	4.0	10.63	-	914.80	903.67			-
14	D6-D7		-	16			4.0	10.63	-	915.61	904.48			-
15	D7		14	19	5		5.0	9.83	900.99	914.99	904.66			-
16	D7-D8	D7-D8	12	17	232	24	4.0	9.83	902.52	914.52	904.19	906.23	2.04	70.12
17	D7-D8 REDO		13	22			3.5	9.83	904.88	917.88	907.55			-
18	D7-D8 REDO		13	20			3.5	9.83	906.25	919.25	908.92			-
19	D8 REDO		9	17	25		3.5	13	911.00	920.00	906.50	911.19	4.69	15.20
20	D8-D13	D8-D13	11	14	60	15	3.5	13.00	909.46	920.46	906.96	912.90	5.94	46.20
21	D8-D13		11	14	60		3.5	13.00	909.61	920.61	907.11	912.07	4.96	38.58
22	D13		12	14	5		5.0	11.84	908.37	920.37	908.03	911.24	3.21	2.97
23	D13-D14	D13-D14	11	16	54	15	3.5	11.84	908.99	919.99	907.65	911.40	3.75	26.23
24	D13-D14		8	14	53		3.5	11.84	910.90	918.90	906.56	911.55	4.99	34.31
25	D14		7	14	5		5.0	9.18	910.95	917.95	908.27	911.71	3.44	3.19
26	D9	D8-D9	8	14	71	24	4.0	12.18	911.36	919.36	906.68	916.35	9.67	101.75
27	D9-D10	D9-D10	8	14	80	15	3.5	12.18	911.50	919.50	906.82	913.54	6.71	69.64
28	D10		11	14	5		5.0	10.43	908.08	919.08	908.15	910.72	2.57	2.38
29	D10-D11	D10-D11	9	14	50	15	3.5	10.00	909.60	918.60	908.10	913.80	5.70	36.94
30	D10-D11		7	14	50		3.5	10.00	910.75	917.75	907.25	913.80	6.55	42.45
31	D11		6	14	5		5.0	7.53	910.70	916.70	908.67	912.26	3.59	3.32
32	D11-D12	D11-D12	6	10	71	15	3.5	7.00	910.70	916.70	909.20	912.26		-

33	D11-D12		4	10	70		3.5	7.00	914.46	918.46	910.96	912.26		-
34	D12		7	10	5		5.0	5.99	913.77	920.77	914.28			-
35	B10	B10-B11	2	14	47	36	5.0	9.10	916.62	918.62	909.02	916.26	7.60	66.15
36	B11		4	16	5		5.0	12.00	917.40	921.40	908.90	915.95	8.50	7.87
37	B11-B12	B11-B12	10	18	119	36	5.0	12.00	914.84	924.84	912.34	916.67	2.50	55.09
38	B12		10	18	5	36	5.0	14.88	915.78	925.78	910.40	917.30	5.38	4.98
39	B12-B13	B12-B13	9	18	103	36	5.0	14.88	916.90	925.90	910.52	917.75	6.38	121.69
40	B13		9	18	5		5.0	14.40	917.20	926.20	911.30	918.20	5.90	5.46
41	B26	B26-B26.1	8	9	25	18	3.5	3.92	913.43	921.43	917.01		-3.58	-
42	B26.1		4	8	5		5.0	2.59	916.91	920.91	917.82		-0.91	-
43	B27	B26-B27	-	8	93	18	3.5	4.73	-	925.63	920.40		0.00	-
44	E1		13	18	5		5.0	8.24	909.17	922.17	913.43	910.86	-4.26	-
45	E1-E2 REDO	E1-E2	10	24	86	36	5.0	16.20	917.50	927.50	910.80	911.06	6.70	106.70
46	E2		10	14	5		5.0	7.83	908.33	918.33	910.00	911.26	-1.67	-
47	E2-E18	E2-E18	9	14	121	30	3.5	5.00	908.40	917.40	911.90		-3.50	-
48	E2-E18		9	14			3.5	5.08	908.39	917.39	911.81		-3.42	-
49	E18		9	10	5		5.0	5.08	908.95	917.95	912.37		-3.42	-
50	E18.1	E18-E18.1	9	10	18	8	3.5	4.64	908.77	917.77	912.63		-3.86	-
51	E19	E18-E19	9	10	25	30	4.5	4.77	909.26	918.26	912.99		-3.73	-
52	E19-E20	E19-E20	9	11	152	30	4.5	7.00	910.03	919.03	911.53		-1.50	-
53	E19-E20		-	11			3.5	7.00	-	920.20	912.70		0.00	-
54	E19-E20		9	11			3.5	7.68	912.42	921.42	913.24		-0.82	-
55	E20		5	11	5		5.0	7.68	916.32	921.32	913.14	916.63	3.18	2.94
56	E20-E21	E20-E21	4	14	65	30	4.5	9.00	917.98	921.98	912.48	916.01	5.50	59.58
57	E21	E21-E22	5	11	30	24	4.0	7.28	916.84	921.84	914.06	915.39	2.78	12.36
58	E22		5	11	5		5.0	6.43	916.65	921.65	914.72	914.77	1.93	1.79
59	E22-E23	E22-E23	5	10	52	24	4.0	6.00	916.34	921.34	914.84	916.56	1.50	11.56
60	E23		2	10	5		5.0	5.75	919.47	921.47	915.22	918.35	4.25	3.94
61	E23-E24	E23-E24	2	10	50	24	4.0	5.00	919.90	921.90	916.40	920.50	3.50	25.93
62	E23-E24		1	10	45		3.5	5.00	921.36	922.36	916.86	922.65	4.50	26.25
63	E24		1	6	5		5.0	5.88	922.27	923.27	916.89	924.80	5.38	4.98
64	E24-E25	E24-E25	2	11	45	24	4.0	6.00	922.37	924.37	917.87	924.98	4.50	30.00
65	E24-E25		2	14	35		3.5	10.00	923.92	925.92	915.42	925.15	8.50	38.56
66	E24-E25		1	14	35		3.5	10.00	925.55	926.55	916.05	925.33	9.50	43.10
67	E25		4	14	5		5.0	10.50	924.06	928.06	917.06	925.50	7.00	6.48
68	E25-E44	E25-E44	4	11	38	12	3.5	7.00	925.44	929.44	921.94	-	3.50	
69	E25-E44		3	11	38		3.5	7.00	927.08	930.08	922.58	-	4.50	
70	E44		5	11	5		5.0	7.07	925.70	930.70	923.13	-	2.57	
71	E44-E45	E44-E45	6	12	37	12	3.5	8.00	925.61	931.61	923.11	-	2.50	
72	E44-E45		8	12	35		3.5	8.00	923.93	931.93	923.43	-	0.50	
73	E44-E45		6	12	35		3.5	8.00	925.54	931.54	923.04	-	2.50	
74	E44-E45		7	12	35		3.5	8.00	923.84	930.84	922.34	-	1.50	
75	E45		7	12	5		5.0	9.00	923.60	930.60	921.10	-	2.50	
76	E23-E23.1	E23-E23.1	3	5	67	15	3.5	2.00	918.40	921.40	918.90	-	-0.50	

77	E23-E23.1		2	5			3.5	2.00	920.45	922.45	919.95	-	0.50	
78	E23.1		2	5	5		5.0	2.00	921.28	923.28	920.78	-	0.50	
79	E22-E22.1	E22-E22.1	5	10	43	12	3.5	6.00	916.85	921.85	915.35	-	1.50	
80	E22.1		5	11	5		5.0	5.05	917.40	922.40	916.85	-	0.55	
81	E19-E19.1	E19-E19.1	8	10	72	15	3.5	5.20	910.70	918.70	913.00		-2.30	-
82	E19-E19.1		7	13			3.5	5.20	912.70	919.70	914.00		-1.30	-
83	E19.1		10	12	5		5.0	6.74	910.50	920.50	913.26		-2.76	-
84	E19.1-E19.2	E19.1-E19.2	9	12	53	12	3.5	4.00	912.27	921.27	916.77		-4.50	-
85	E19.1-E19.2		-	8			3.5	4.00	-	921.80	917.30		0.00	-
86	E19.2		-	8	5		5.0	4.50	-	922.58	917.58		0.00	-
87	E45-E46	E45-E46	-	8		12	3.5	4.50	-	930.20	925.20		0.00	-
88	E46		5	10	51		3.5	3.36	924.91	929.91	926.05		-1.14	-
89	E46-E47	E46-E47	5	10	56	12	3.5	5.00	925.14	930.14	924.64	-	0.50	
90	E47		4	11	5		5.0	11.37	927.15	931.15	919.28	-	7.87	
91	E25-E28	E25-E28	8	14	91	24	4.0	9.00	923.62	931.62	922.12	929.79	1.50	20.22
92	E25-E28		7	18	91		4.0	9.00	925.60	932.60	923.10	927.73	2.50	33.70
93	E28		9	20	5		5.0	15.43	922.64	931.64	915.71	925.66	6.93	6.42
94	E28-E29	E28-E29	7	20	85	24	4.0	14.00	924.54	931.54	917.04	926.40	7.50	94.44
95	E29		2	20	5		5.0	13.58	928.31	930.31	916.23	927.13	12.08	11.19
96	E29-E30	E29-E30	2	14	85	18	3.5	9.00	926.36	928.36	918.86	926.08	7.50	82.64
97	E30		2	10	5		5.0	7.18	925.34	927.34	919.66	925.03	5.68	5.26
98	E30-E31	E30-E31	4	10	91	18	3.5	6.00	922.80	926.80	920.30		2.50	29.49
99	E31		3	5	5		5.0	1.58	920.49	923.49	921.41		-0.92	-
100	E31-E32	E31-E32	4	10	110	18	3.5	5.00	922.35	926.35	920.85	-	1.50	
101	E32	E32-E33	-	8	52	18	3.5	4.41	-	927.54	922.63		0.00	-
102	E33		-	9	5		5.0	5.76	-	929.35	923.09		0.00	-
103	E33-E34	E33-E34	-	10	88	18	3.5	6.00	-	930.19	923.69		0.00	-
104	E34		-	14	5		5.0	5.53	-	930.58	924.55		0.00	-
105	E16	E16-E17	-	10	92	18	3.5	5.00	-	931.28	925.78	921.33	0.00	-
106	E15	E15-E16	4	10	41	18	3.5	5.00	927.74	931.74	926.24	927.76	1.50	7.97
107	E14	E14-E15	4	11	42	18	3.5	6.00	928.95	932.95	926.45	926.53	2.50	13.61
108	E13	E13-E14	8	14	43	18	3.5	8.60	925.32	933.32	924.22	926.18	1.10	6.13
109	E14.1	E14-E14.1	8	11	47	12	3.5	4.45	923.52	931.52	926.57		-3.05	-
110	E17		-	8	5		5.0	2.00	-	928.80	926.30		0.00	-
111	E12-E13	E12-E13	8	14	57	18	3.5	9.00	925.67	933.67	924.17	924.35	1.50	11.08
112	E12	E12-E12.1	9	14	59	12	3.5	9.00	924.83	933.83	924.33	924.35	0.50	3.82
113	E12.1		11	14	5		3.5	9.00	925.51	936.51	927.01		-1.50	-
114	E11	E11-E12	9	14	50	18	3.5	13.00	924.58	933.58	920.08	926.59	4.50	29.17
115	E10-E11	E10-E11	9	17	79	18	3.5	13.00	924.54	933.54	920.04	923.46	4.50	46.08
116	E10	E9-E10	12	17	17	24	3.5	13.00	920.85	932.85	919.35	920.41	1.50	3.31
117	E9		14	17	5		5.0	12.20	918.42	932.42	919.72	920.34	-1.30	-
118	E8-E9	E8-E9	10	16	99	24	4.0	11.00	920.78	930.78	919.28	920.28	1.50	22.00
119	E8-E9		9	14	99		4.0	11.00	920.49	929.49	917.99	920.21	2.50	36.67
120	E8		8	14	5		5.0	10.10	921.04	929.04	918.44	920.14	2.60	2.41

121	E7-E8	E7-E8	10	15	99	24	4.0	10.00	918.52	928.52	918.02	920.07	0.50	7.33
122	E7		12	14	5		5.0	9.89	916.20	928.20	917.81		-1.61	-
123	E6-E7	E6-E7	12	14	87	24	4.0	9.50	915.35	927.35	917.35		-2.00	-
124	E6		9	14	5		5.0	7.74	917.47	926.47	918.23		-0.76	-
125	E6-E5	E6-E5	10	14	32	24	4.0	8.00	916.30	926.30	917.80		-1.50	-
126	E5		10	14	5		5.0	7.99	916.30	926.30	917.81		-1.51	-
127	E4-E5	E4-E5	-	12	101	24	4.0	9.00	-	926.43	916.93		0.00	-
128	E4		-	14	5		5		5.5	925.87	925.37		0.00	-
129	E3-E4	E3-E4	-	14	223	30	4.5	9.00	-	924.83	915.33		0.00	-
130	E3-E4		-	14			3.5	9.00	-	924.04	914.54		0.00	-
131	E3-E4		12	14			3.5	9.00	910.40	922.40	912.90		-2.50	-
132	E3		-	10	5		5	6.84	-	920.94	913.60		0.00	-
133	E4-E35	E4-E35	-	12	60	12	3.5	8.00	-	926.34	917.84		0.00	-
134	E35		-	12	5		5	6.17	-	926.69	920.02		0.00	-
135	E35-E36	E35-E36	-	11	84	12	3.5	5.14	-	926.94	921.30		0.00	-
136	E36		-	11	5		5	6.00	-	957.14	950.64		0.00	-
137	E36-E37	E36-E37	-	11	141	12	3.5	6.00	-	927.15	920.65		0.00	-
138	E37		-	11	5		5	6.00	-	927.80	921.30		0.00	-
139	E37-E38	E37-E38	-	11	51	12	3.5	6.00	-	928.43	921.93		0.00	-
140	E38		8	9	5		5	4.35	920.74	928.74	923.89		-3.15	-
141	E38-E39	E38-E39	8	10	56	12	3.5	5.00	921.15	929.15	923.65		-2.50	-
142	E39		9	10	5		5	5.68	920.38	929.38	923.20		-2.82	-
143	E10-E40	E10-E40	12	18	42	18	3.5	13.00	922.15	934.15	920.65	-	1.50	
144	E40	E40-E41	16	23	34	18	3.5	14.66	917.41	933.41	918.25		-0.84	-
145	E41	E41-E41.1	11	17	51	18	3.5	11.22	921.92	932.92	921.20	-	0.72	
146	E41.1	E41.1-E41.2	-	12	25	18	3.5	7.27	-	932.36	924.59		0.00	-
147	E41.2		10	15	5		5.0	10.86	922.90	932.90	921.54	-	1.36	
148	E41-E42	E41-E42	9	18	88	18	3.5	13.00	924.93	933.93	920.43	929.74	4.50	51.33
149	E41-E42		5	14	88		3.5	11.00	927.89	932.89	921.39	927.47	6.50	74.15
150	E42	E42-E42.1	3	14	25	18	3.5	9.21	929.28	932.28	922.57	928.36	6.71	21.75
151	E42.1		2	12	5		5	6.81	929.12	931.12	923.81	926.82	5.31	4.92
152	E42-E43	E42-E43	5	14	86	15	3.5	9.00	927.00	932.00	922.50	925.29	4.50	50.17
153	E43		10	12	5		5	6.65	920.97	930.97	923.82	923.75	-2.85	-
154	E3-E3.1	E3-E3.1	-	10	154	15	3.5	6.00	-	921.72	915.22		0.00	-
155	E3-E3.1		-	10			3.5	6.00	-	922.64	916.14		0.00	-
156	E3.1		-	5	5		5	5.15	-	924.95	919.30		0.00	-
157	E3.1-E3.2	E3.1-E3.2	-	5	103	15	3.5	2.00	-	924.26	921.76		0.00	-
158	E3.2		-	4	5		5	0.83	-	925.03	923.70		0.00	-
159	B13-B14	B13-B14	5	18	80	36	5.0	14.00	921.18	926.18	911.68	921.90	9.50	140.74
160	B13-B14		6	20	80		5.0	15.00	920.77	926.77	911.27	921.40	9.50	140.74
161	B14		6	20	5		5	17.93	921.18	927.18	908.75	920.90	12.43	11.51
162	B14-B14.1	B14-B14.1	6	14	61	18	3.5	9.00	920.51	926.51	917.01	919.60	3.50	27.68
163	B14.1		11	14	5		5	8.00	915.25	926.25	917.75	918.30	-2.50	-
164	B14.1-B14.2	B14.1-B14.2	-	10	66	18	3.5	8.00	-	926.00	917.50		0.00	-

165	B14.2		-	12	5		5	7.34	-	925.93	918.09	0.00	-	
166	B14.3	B14.2-B14.3	-	11	25	18	3.5	6.57	-	926.03	918.96	0.00	-	
167	B15	B14-B15	6	20	35	30	4.5	14.75	921.26	927.26	912.01	921.84	9.25	53.96
168	B15.1	B15-B15.1	4	16	20	18	3.5	8.70	921.70	925.70	916.50	921.84	5.20	13.48
169	B15.1-B28	B15.1-B28	7	12	116	18	3.5	8.00	917.46	924.46	915.96	921.84	1.50	22.56
170	B28		-	10	5		5	6.92	-	925.22	917.80	0.00	-	
171	B28-B30	B28-B30	-	11	116	15	3.5	10.00	-	929.13	918.63	0.00	-	
172	B30		-	10	5		5	6.38	-	928.83	921.95	0.00	-	
173	B28-B29	B28-B29	-	14	149	15	3.5	6.38	-	927.95	921.07	0.00	-	
174	B28-B29		-	10			3.5	6.38	-	927.50	920.62	0.00	-	
175	B28-B29		-	7			3.5	6.38	-	923.68	916.80	0.00	-	
176	B29		-	7	5		5	3.40	-	923.75	919.85	0.00	-	
177	B29-B29.1	B29-B29.1	-	9	80	12	3.5	4.00	-	923.72	919.22	0.00	-	
178	B29.1		-	9	5		5	0.20	-	924.68	923.98	0.00	-	
179	B15-B16	B15-B16	12	20	55	30	4.5	12.2	915.97	927.97	915.27	922.01	0.70	6.42
180	B15-B16		4	14	50		3.5	12.20	922.92	926.92	914.22	922.01	8.70	56.39
181	B15-B16		3	18	50		3.5	12.20	924.45	927.45	914.75	926.25	9.70	62.87
182	B16		3	14	5		5	11.51	924.23	927.23	915.22	923.52	9.01	8.34
183	B16-B17	B16-B17	5	14	64	30	5.5	13.00	922.97	927.97	914.47	923.14	8.50	110.81
184	B17	B17-B18	3	14	62	30	5.5	12.60	924.82	927.82	914.72	922.75	10.10	127.56
185	B18	E18-E18.1	2	14	67	12	3.5	10.92	925.67	927.67	916.25	924.00	9.42	81.81
186	B18.1		8	19	5		5	4.16	918.94	926.94	922.28	925.12	-3.34	-
187	B19	E18-E19	5	20	59	30	5.0	16.00	927.04	932.04	915.54	924.52	11.50	125.65
188	B19-B20	B19-B20	6	19	97	30	4.5	16.00	927.05	933.05	916.55	923.91	10.50	169.75
189	B20		8	20	5		5	15.45	926.47	934.47	918.52	923.24	7.95	7.36
190	B20-B21	B20-B21	9	21	90	30	4.5	18.00	926.24	935.24	916.74	924.04	9.50	142.50
191	B21		11	21	5		5	16.72	925.38	936.38	919.16	924.84	6.22	5.76
192	B21-B22	B21-B22	8	19	39	18	3.5	15.00	926.50	934.50	919.00	928.39	7.50	37.92
193	B21-B22		7	18	39		3.5	15.00	926.96	933.96	918.46	927.28	8.50	42.97
194	B22	B22-B22.1	9	18	25	18	3.5	13.30	925.46	934.46	920.66	926.17	4.80	15.56
195	B22.1	B22.1-B22.2	10	18	30	15	3.5	13.61	924.85	934.85	920.74	927.02	4.11	15.98
196	B22.2		8	17	5		5	13.21	926.81	934.81	921.10	926.32	5.71	5.29
197	B22.2-B22.3	B22.2-B22.3	6	14	46	12	3.5	13.00	928.23	934.23	920.73	925.52	7.50	44.72
198	B22.3		10	14	5		5	10.77	923.51	933.51	922.24	924.72	1.27	1.18
199	B31.2	B31-B31.2	11	14	33	15	3.5	9.89	921.47	932.47	922.08		-0.61	-
200	B31		11	18	5		5	5	920.90	931.90	926.40		-5.50	-
201	B31-B32	B31-B32	-	14	96	15	3.5	12.00	-	931.73	919.23	0.00	-	
202	B31-B32		11	14	50		3.5	11.00	920.26	931.26	919.76	-	0.50	
203	B32		11	17	5		5	11.45	920.41	931.41	919.46	-	0.95	
204	B31-B31.1	B31-B31.1	10	14	75	12	3.5	11.00	921.90	931.90	920.40	-	1.50	
205	B31-B31.1		10	14	74		3.5	11.00	921.97	931.97	920.47	-	1.50	
206	B31.1		4	9	5		5	4.19	922.36	926.36	921.67	-	0.69	
207	BP1/BP2.1	BP1-BP2	3	14	63	24	4.0	3.64	917.91	920.91	916.77	-	1.14	
208	BP2/BP2.2	BP2.1-BP2.2	2	10	63	24	4.0	2.00	917.19	919.19	916.69	-	0.50	

209	G6	G6-G7	2	8	25	36	5.0	4.40	918.04	920.04	915.14	916.25	2.90	13.43
210	G7		2	10	5		5.0	6.50	920.32	922.32	915.32	916.36	5.00	4.63
211	G6-G5	G6-G5	2	10	56	36	5.0	6.00	918.69	920.69	914.19	916.46	4.50	46.67
212	G5		4	12	5		5.0	5.00	916.24	920.24	914.74	916.57	1.50	1.39
213	G5-G4	G5-G4	4	12	85	36	5.0	7.00	915.08	919.08	911.58	915.40	3.50	55.09
214	G5-G4		2	10	85		5.0	7.00	917.01	919.01	911.51	916.32	5.50	86.57
215	G5-G4		2	10	88		5.0	7.00	917.10	919.10	911.60	916.60	5.50	89.63
216	G4		1	12	5		5.0	6.30	917.91	918.91	912.11	916.88	5.80	5.37
217	G4-G3	G4-G3	1	12	70	36	5.0	8.00	917.49	918.49	909.99	917.27	7.50	97.22
218	G4-G3		0	11	70		5.0	8.00	918.41	918.41	909.91	917.66	8.50	110.19
219	G4-G3		0	11	70		5.0	8.00	917.80	917.80	909.30	915.38	8.50	110.19
220	G4-G3		1	11	70		5.0	7.00	916.40	917.40	909.90	914.22	6.50	84.26
221	G4-G3		1	11	66		5.0	7.00	916.25	917.25	909.75	913.06	6.50	79.44
222	G3		5	12	5		5.0	6.49	912.54	917.54	910.55	911.90	1.99	1.84
223	G3-G2	G3-G2	6	12	100	36	5.0	7.00	911.10	917.10	909.60	911.08	1.50	27.78
224	G2		10	12	5		5.0	7.41	907.19	917.19	909.28		-2.09	-
225	G8	G2-G8	-	14	26	36	5.0	8.75	-	919.44	910.19		0.00	-
226	G9	G8-G9	-	12	21	36	5.0	8.86	-	919.67	910.31		0.00	-
227	G10	G9-G10	-	12	24	36	5.0	7.27	-	918.77	911.00		0.00	-
228	G2-G1	G2-G1	7	12	95	36	5.0	8.00	910.30	917.30	908.80	911.62	1.50	26.39
229	G1		6	12	5		5.0	7.14	911.14	917.14	909.50	911.62	1.64	1.52
230	G10-G10.1	G10-G10.1	-	14	325	18	3.5	14.00	-	922.83	908.33		0.00	-
231	G10-G10.1		-	19			3.5	14.00	-	925.51	911.01		0.00	-
232	G10-G10.1		-	20			3.5	15.00	-	928.22	912.72		0.00	-
233	G10-G10.1		-	20			3.5	17.00	-	929.38	911.88		0.00	-
234	G10-G10.1		-	19			3.5	15.00	-	927.60	912.10		0.00	-
235	G10.1		-	14			3.5	10.61	-	926.51	915.40		0.00	-
236	G10.1-G10.2	G10.1-G10.2	-	14	130	18	3.5	12.00	-	927.22	914.72		0.00	-
237	G10.2		-	14			3.5	9.06	-	928.76	919.20		0.00	-
238	G10.2-G10.3	G10.2-G10.3	-	14	168	18	3.5	9.00	-	928.45	918.95		0.00	-
239	G10.2-G10.3		-	14			3.5	9.00	-	927.81	918.31		0.00	-
240	G3A	G3-G3A	-	10	26	36	5.0	7.23	-	918.34	910.61		0.00	-
241	G3.1	G3A-G3.1	-	11	11	36	5.0	8.11	-	918.15	909.54		0.00	-
242	G3.1-G3.2	G3.1-G3.2	-	11	130	24	4.0	7.00	-	918.00	910.50		0.00	-
243	G3.1-G3.2		-	11			3.5	7.00	-	918.23	910.73		0.00	-
244	G3.2		4	11	5		5.0	6.11	914.29	918.29	911.68	-	2.61	
245	G3.2-G3.3	G3.2-G3.3	4	11	66	18	3.5	6.00	914.37	918.37	911.87	-	2.50	
246	G3.2-G3.3		4	11	66		3.5	6.00	914.60	918.60	912.10	-	2.50	
247	G3.3		3	11	5		5.0	5.80	915.97	918.97	912.67	-	3.30	
248	G4.1	G4-G4.1	3	11	26	36	5.0	5.70	916.48	919.48	913.28	-	3.20	
249	G4.2	G4.1-G4.2	3	11	24	24	4.0	5.50	916.03	919.03	913.03	-	3.00	
250	G4.2-G4.3	G4.2-G4.3	3	11	110	24	4.0	5.30	916.03	919.03	913.23	-	2.80	
251	G4.3		4	11	4.5		5.5	5.19	915.89	919.89	914.20	-	1.69	
252	G4.3-G4.4	G4.3-G4.4	5	10	65	24	4.0	5.00	914.33	919.33	913.83	-	0.50	

253	G4.4		-	8	5		5.0	4.97	-	919.67	914.20	0.00	-	
254	TP2	TP1-TP2	5	10	34	24	3.5	5.69	910.69	915.69	909.50	-	1.19	
255	TP1		2	8	8		8.0	2.53	909.35	911.35	908.32	-	1.03	
256	TP2		2		5		5.0	5.69	-2.00		-6.19	-	4.19	
256	B22-B23	B22-B23	9	14	80	18	3.5	12.00	926.15	935.15	922.65	928.66	3.50	36.30
257	B23-B23.1	B23-B23.1	9	14	56	12	3.5	11.00	925.73	934.73	923.23	928.66	2.50	18.15
258	B23		5	14	5		5	11.00	930.55	935.55	924.05	928.66	6.50	6.02
259	B23.1		9	14	5		5	9.00	924.92	933.92	924.42	928.34	0.50	0.46
260	B22.1A	B22.1A	7	14	39	12	3.5	10.44	928.84	935.84	924.90	928.01	3.94	19.92
261	B23-B24	B23-B24	7	12	141	18	3.5	5.00	923.22	930.22	924.72		-1.50	-
262	B24		9	14	5		5	1.40	917.40	926.40	924.50		-7.10	-
									-	Total Rock Volume (CY)			4,327.6	
									-	#VALUE!				

- * Pipelines that included multiple borings were divided segments to obtain a more accurate rock volumes
- * Rock excavation for manholes were taken at 5.0 feet x 5.0 feet
- * Some structures, such as manholes, may have not been included in the table

Subtotals Per Line/Structure	
Line B	1821.59
Line D	615.01
Line E	1049.43
Line G	841.60
TP Line/HW/MH	0.00
Total	4,327.6

