



Structure Details	Label	Diameter (Ft)	Height (Ft)	RockAlert
Bay Filter	WQv	4.00	6.01	
	WQv	5.00	7.54	
		Total (2)	13.54	
CO	CO 3	0.00	3.42	
	CO 4	0.00	5.40	
	CO 5	0.00	5.67	
	CO2	5.00	4.64	
		Total (4)	19.13	
Connect	Exist	0.00	3.83	
		Total (1)	3.83	
MH48A	MH1	4.83	9.11	
	MH3	4.83	9.30	Rock
	MH4	4.83	7.94	
		Total (3)	26.35	
MH48B	1B	4.00	7.80	Rock
	2A	5.00	3.92	
	2B	4.00	5.50	Rock
	3B	4.00	6.00	
	CB1A	5.00	5.00	
	CB2A	5.00	4.00	
	CB2C	5.00	5.90	
	D1	4.00	5.50	
	D1 1A	5.00	5.03	
	D11C	5.00	3.21	
	MH2	4.83	12.57	Rock
		Total (11)	64.43	
NUL	Nul	0.00	6.97	
		Total (1)	6.97	

15 HDPE	15 (in) OD	5 Runs	507 (Ft) pipe length	529 (Ft) to structure centers
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Excavation (CY)	RE-EX FILL	127.90	0.24 (CY/Ft)	Depth by Length (Ft)	0 - 3	15.62
	Topsoil	0.00	0.00		3 - 5	291.16
	Sand	55.85	0.11		5 - 7	215.35
	Clay	113.00	0.21		7 - 9	7.01
	Rock	46.11	0.09			
	Total Excavation	342.86	.65			

Backfill (CY)	Agr	215.39	0.41	Strata Alerts	3B to 2B	Rock
	Bed	37.05	0.07		2B to 1B	Rock
	Cover	69.74	0.13			
	Total Backfill	322.18	0.61			

12 HDPE	12 (in) OD	3 Runs	161 (Ft) pipe length	175 (Ft) to structure centers
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Excavation (CY)	RE-EX FILL	25.66	0.15 (CY/Ft)	Depth by Length (Ft)	0 - 3	9.37
	Topsoil	0.00	0.00		3 - 5	64.85
	Sand	12.16	0.07		5 - 7	89.68
	Clay	45.90	0.26		7 - 9	11.33
	Rock	35.41	0.20			
	Total Excavation	119.14	.68			

Backfill (CY)	Agr	86.02	0.49	Strata Alerts	1B to D1	Rock
	Bed	11.59	0.07			
	Cover	18.55	0.11			
	Total Backfill	116.16	0.66			

6 HDPE	6 (in) OD	3 Runs	102 (Ft) pipe length	108 (Ft) to structure centers
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Excavation (CY)	RE-EX FILL	0.00	0.00 (CY/Ft)	Depth by Length (Ft)	3 - 5	96.54
	Topsoil	0.00	0.00		5 - 7	11.20
	Sand	1.34	0.01			
	Clay	58.47	0.54			
	Rock	0.56	0.01			
	Total Excavation	60.36	.56			

Backfill (CY)	Agr	29.40	0.27	Strata Alerts	2B to CO 4	Rock
	Bed	7.37	0.07			
	Cover	6.63	0.06			
	Native	16.43	0.15			

Total Backfill 59.83 0.56

10 HDPE	10 (in) OD	3 Runs	243 (Ft) pipe length	258 (Ft) to structure centers
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Excavation (CY)	RE-EX FILL	19.74	0.08 (CY/Ft)	Depth by Length (Ft)	0 - 3	11.33
	Topsoil	0.00	0.00		3 - 5	197.92
	Sand	22.49	0.09		5 - 7	48.33
	Clay	100.48	0.39			
	Rock	0.00	0.00			
	Total Excavation	142.71	.55			

Backfill (CY)	Agr	95.17	0.37
	Bed	17.68	0.07
	Cover	25.88	0.10
	Total Backfill	138.73	0.54

San 8	8 (in) OD	5 Runs	540 (Ft) pipe length	557 (Ft) to structure centers
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Excavation (CY)	RE-EX FILL	122.85	0.22 (CY/Ft)	Depth by Length (Ft)	3 - 5	57.66
	Topsoil	0.98	0.00		5 - 7	242.89
	Sand	78.59	0.14		7 - 9	106.99
	Clay	226.37	0.41		9 - 11	55.89
	Rock	7.79	0.01		11 - 13	93.46
	Total Excavation	436.57	.78			

Backfill (CY)	Native	403.20	0.72	Strata Alerts	MH1 to MH2	Rock
	Str Bed	29.62	0.05			
	Total Backfill	432.82	0.78			