

Partially Buried Tank, uncovered - Option 1

Item No.	Item	Quantity	Unit
1	NEW SEWER - 48" GRAVITY SANITARY SEWER LINE	68	LF
2	NEW SEWER - 66" GRAVITY SANITARY SEWER LINE	76	LF
3	NEW SEWER - 72" GRAVITY SANITARY SEWER LINE	1,467	LF
4	NEW SEWER - 36" SANITARY SEWER FORCE MAIN	888	LF
5	NEW 8" WATER MAIN	2,839	LF
6	Water Booster Station	1	EA
7	NEW ELECTRICAL OVERHEAD LINES	960	LF
8	NEW BURIED ELECTRICAL LINES	310	LF
9	NEW 18" FA	190	LF
10	NEW 24" FA	190	LF
11	NEW 30" FA - ODOR CONTROL	40	LF
12	NEW SANITARY SEWER MANHOLE	4	EA
13	NEW ELECTRICAL POLES	5	EA
14	TIPPING BUCKET	18	EA

Concrete Quantities - Option 1

Item	Quantity	Unit
Base Slab	10,553.44	CY
Wall A (Long Exterior)	1,830.19	CY
Wall B (Long Exterior)	1,830.19	CY
Wall C (Short Exterior)	386.66	CY
Wall D (Short Exterior)	386.66	CY
5 MG Compartment Divider Walls (2)	909.20	CY
Knee Walls (15)	326.00	CY
Total Volume	16,222.33	CY

Earthwork - Option 1

	Quantity	Unit
Excavation	100,002	CY
Fill	15,799	CY
Net Excavation	84,203	CY

Surface Quantities - Option 1

	Quantity	Unit
Roadway	42,023	SF
Surrounding Area	113,307	SF
Total Concrete Area	155,330	SF

Partially Buried Tank, cover in the future - Option 2

Item No.	Item	Quantity	Unit
1	NEW SEWER - 48" GRAVITY SANITARY SEWER LINE	68	LF
2	NEW SEWER - 66" GRAVITY SANITARY SEWER LINE	76	LF
3	NEW SEWER - 72" GRAVITY SANITARY SEWER LINE	1,467	LF
4	NEW SEWER - 36" SANITARY SEWER FORCE MAIN	888	LF
5	NEW 8" WATER MAIN	2,839	LF
6	Water Booster Station	1	EA
7	NEW ELECTRICAL OVERHEAD LINES	960	LF
8	NEW BURIED ELECTRICAL LINES	310	LF
9	NEW 18" FA	190	LF
10	NEW 24" FA	190	LF
11	NEW 30" FA - ODOR CONTROL	40	LF
12	NEW SANITARY SEWER MANHOLE	4	EA
13	NEW ELECTRICAL POLES	5	EA
14	TIPPING BUCKET	18	EA

Concrete Quantities - Option 2

Item	Quantity	Unit
Base Slab	10,553.44	CY
Wall A (Long Exterior)	1,830.19	CY
Wall B (Long Exterior)	1,830.19	CY
Wall C (Short Exterior)	386.66	CY
Wall D (Short Exterior)	386.66	CY
5 MG Compartment Divider Walls (2)	909.20	CY
Knee Walls (15)	326.00	CY
Columns	395.88	CY
Total Volume	16,618.21	CY

Earthwork - Option 2

	Quantity	Unit
Excavation	100,002	CY
Fill	15,799	CY
Net Excavation	84,203	CY

Surface Quantities - Option 2

	Quantity	Unit
Roadway	42,023	SF
Surrounding Area	113,307	SF
Total Concrete Area	155,330	SF

Covered At Grade Tank - Option 3

Item No.	Item	Quantity	Unit
1	NEW SEWER - 48" GRAVITY SANITARY SEWER LINE	68	LF
2	NEW SEWER - 66" GRAVITY SANITARY SEWER LINE	76	LF
3	NEW SEWER - 72" GRAVITY SANITARY SEWER LINE	1,467	LF
4	NEW SEWER - 36" SANITARY SEWER FORCE MAIN	888	LF
5	NEW 8" WATER MAIN	2,839	LF
6	Water Booster Station	1	EA
7	NEW ELECTRICAL OVERHEAD LINES	960	LF
8	NEW BURIED ELECTRICAL LINES	310	LF
9	NEW 18" FA	190	LF
10	NEW 24" FA	190	LF
11	NEW 30" FA - ODOR CONTROL	40	LF
12	NEW SANITARY SEWER MANHOLE	4	EA
13	NEW ELECTRICAL POLES	5	EA
14	TIPPING BUCKET	18	EA

Concrete Quantities - Option 3

Item	Quantity	Unit
Base Slab	10,553.44	CY
Wall A (Long Exterior)	1,830.19	CY
Wall B (Long Exterior)	1,830.19	CY
Wall C (Short Exterior)	386.66	CY
Wall D (Short Exterior)	386.66	CY
Compartment Divider Walls (2)	909.20	CY
Knee Walls (15)	326.00	CY
Columns	395.88	CY
Top Slab	2,995.81	CY
Total Volume	19,614.02	CY

Earthwork - Option 3

	Quantity	Unit
Excavation	87,701	CY
Fill	67,167	CY
Net Excavation	20,534	CY

Surface Quantities - Option 3

	Quantity	Unit
Roadway	42,023	SF
Surrounding Area	113,307	SF
Total Concrete Area	155,330	SF

Buried Tank - Option 4

Item No.	Item	Quantity	Unit
1	NEW SEWER - 48" GRAVITY SANITARY SEWER LINE	68	LF
2	NEW SEWER - 66" GRAVITY SANITARY SEWER LINE	76	LF
3	NEW SEWER - 72" GRAVITY SANITARY SEWER LINE	1,467	LF
4	NEW SEWER - 36" SANITARY SEWER FORCE MAIN	888	LF
5	NEW 8" WATER MAIN	2,839	LF
6	Water Booster Station	1	EA
7	NEW ELECTRICAL OVERHEAD LINES	960	LF
8	NEW BURIED ELECTRICAL LINES	310	LF
9	NEW 18" FA	190	LF
10	NEW 24" FA	190	LF
11	NEW 30" FA - ODOR CONTROL	40	LF
12	NEW SANITARY SEWER MANHOLE	4	EA
13	NEW ELECTRICAL POLES	5	EA
14	TIPPING BUCKET	18	EA

Concrete Quantities - Option 4

Item	Quantity	Unit
Base Slab	10,553.44	CY
Wall A (Long Exterior)	1,830.19	CY
Wall B (Long Exterior)	1,830.19	CY
Wall C (Short Exterior)	386.66	CY
Wall D (Short Exterior)	386.66	CY
Compartment Divider Walls (2)	909.20	CY
Knee Walls (15)	326.00	CY
Beams	306.89	CY
Top Slab	3,744.76	CY
Total Volume	20,319.83	CY

Earthwork - Option 4

	Quantity	Unit
Excavation	87,701	CY
Fill	67,167	CY
Net Excavation	20,534	CY

Surface Quantities - Option 4

	Quantity	Unit
Roadway	47,822	SF
Surrounding Area	87,947	SF
Total Concrete Area	135,769	SF

Open Basin - Option 4

Item No.	Item	Quantity	Unit
1	NEW SEWER - 36" GRAVITY SANITARY SEWER LINE	234	LF
2	NEW SEWER - 48" GRAVITY SANITARY SEWER LINE	460	LF
3	NEW SEWER - 54" GRAVITY SANITARY SEWER LINE	157	LF
4	NEW SEWER - 66" GRAVITY SANITARY SEWER LINE	245	LF
5	NEW SEWER - 72" GRAVITY SANITARY SEWER LINE	1,353	LF
6	NEW SEWER - 36" SANITARY SEWER FORCE MAIN	450	LF
7	NEW 8" WATER MAIN	3,098	LF
8	Water Booster Station	1	EA
9	NEW ELECTRICAL OVERHEAD LINES	1,010	LF
10	NEW BURIED ELECTRICAL LINES	232	LF
11	NEW SANITARY SEWER MANHOLE	6	EA
12	NEW WASH DOWN HYDRANT	8	EA
13	NEW ELECTRICAL POLES	5	EA

Concrete Quantities - Option 4

Item	Quantity	Unit
Base Slab (Per Basin/Compartment)	632.41	CY
Wall A Short Wall & Radii (Per Basin/Compartment)	297.60	CY
Walls B Short Wall & Radii (Per Basin/Compartment)	297.60	CY
Walls C Long Wall (Per Basin/Compartment)	282.13	CY
Walls D Long Wall and Ramp (Per Basin/Compartment)	337.69	CY
Volume Per Basin/Compartment	1,847.43	CY
Total Volume	5,542.29	CY

Earthwork - Option 3

	Quantity	Unit
Excavation	117,272	CY
Fill	18,219	CY
Net Excavation	99,054	CY

Surface Quantities - Earthen Basin

	Quantity	Unit
Roadway	53,040	SF
Surrounding Area	117,328	SF
Total Concrete Area	170,368	SF

Common to All Options

Diversion Structure		
Concrete		Units
Wall A	78.45	CY
Wall B	102.36	CY
Wall C	52.37	CY
Wall D	52.37	CY
Bench	5.50	CY
Floor/Foundation	159.10	CY
Cover	34.26	CY
Total Volume	484.41	CY

Splitter Manhole		
Concrete		Units
Walls	189.96	CY
Floor/Foundation	29.63	CY
Cover	22.20	CY
Total Volume	241.79	CY

Process/Mechanical Controls			
Description		Units	Location
90" Knife Gate	1	EA	Diversion
10" Weir Gate	3	EA	Diversion
72" Sluice Gate	1	EA	Diversion
Electric Actuator	4	EA	Diversion
66" Sluice Gate	2	EA	Splitter
Electric Actuator	2	EA	Splitter
36/48" Drain/Sluice Gate	3	EA	Tank/Basin
Electric Actuator	3	EA	Tank/Basin
48" Isolation Gate	2	EA	PS Influent Channel
Electric Actuator	2	EA	PS Influent Channel
48" Isolation Gate	2	EA	PS Wet Well
Electric Actuator	2	EA	PS Wet Well
60" Isolation Gate	1	EA	PS Wet Well
Electric Actuator	1	EA	PS Wet Well
20 MGD Pump	4	EA	PS Wet Well
24" Check Valve	4	EA	PS Header
24" Plug Valve	4	EA	PS Header
12' Vortex Manhole	1	EA	90" Trunkline Return

Pump Station		
Concrete		Units
Wall A	213.20	CY
Wall B	213.20	CY
Wall C	171.87	CY
Wall D	157.72	CY
Wall E	81.09	CY
Wall F	157.72	CY
Cover	58.00	CY
Floor/Foundation	281.37	CY
Inf. Floor	17.80	CY
Baffle Wall	18.07	CY
Splash Ramp	18.93	CY
Yard Pipe	29.40	CY
Total Volume	1,418.37	CY

Electrical Building		
Concrete		Units
Floor/Foundation	13.7	CY
Walls	CMU	N/A

Electrical Components		
Description		Units
1,000 kW Generator	1	EA
1,200A Automatic Transfer Switch	1	EA
1,600A Switchgear	1	EA
250 hp VFD (400A)	4	EA