

**OPINION OF PROBABLE PROJECT COST
FOR
SHINGLEHOUSE BOROUGH ACT 537 SEWAGE FACILITIES PLAN
STRUCTURAL ALTERNATIVE 1B
PARK AVE. SEWER EXTENSION LP TO WWTP**

ITEM NO.	DESCRIPTION	EST. QUANTITY	UNIT	UNIT PRICE	EXTENSION
GENERAL					
1	MOBILIZATION @ 5%	1	L.S.	\$ 26,700.00	\$ 26,700.00
2	TRAFFIC MAINTENANCE & PROTECTION @ 2.5%	1	L.S.	\$ 13,400.00	\$ 13,400.00
3	EROSION AND SEDIMENTATION CONTROL @ 2.5%	1	L.S.	\$ 13,400.00	\$ 13,400.00
4	CLEARING AND GRUBBING @ 2.5%	1	L.S.	\$ 13,400.00	\$ 13,400.00
LOW PRESSURE SEWER					
5	2" HDPE LOW PRESSURE SEWER - AGGREGATE BACKFILL	770	L.F.	\$ 60.00	\$ 46,200.00
6	2" HDPE LOW PRESSURE SEWER - SUITABLE BACKFILL	4,360	L.F.	\$ 55.00	\$239,800.00
7	1.25" HDPE LOW PRESSURE LATERAL - AGGREGATE BACKFILL	100	L.F.	\$ 50.00	\$ 5,000.00
8	1.25" HDPE LOW PRESSURE LATERAL - SUITABLE BACKFILL	100	L.F.	\$ 40.00	\$ 4,000.00
9	LOW PRESSURE LATERAL CONNECTION	10	EA.	\$ 1,500.00	\$ 15,000.00
10	AIR/VACUUM RELEASE VALVES	2	EA.	\$ 7,750.00	\$ 15,500.00
11	INLINE CLEANOUT	10	EA.	\$ 2,700.00	\$ 27,000.00
12	TERMINAL CLEANOUT	2	EA.	\$ 2,500.00	\$ 5,000.00
13	GRINDER PUMP - SIMPLEX	10	EA.	\$ 6,500.00	\$ 65,000.00
14	CONNECTION TO EXISTING MANHOLE	1	EA.	\$ 1,250.00	\$ 1,250.00
STREAM CROSSING					
15	STREAM CROSSING	100	L.F.	\$ 300.00	\$ 30,000.00
SURFACING					
16	TEMPORARY PAVING	870	L.F.	\$ 10.00	\$ 8,700.00
17	MUNICIPAL PAVING RESTORATION	870	L.F.	\$ 55.00	\$ 47,850.00
18	VEGETATIVE RESTORATION	4,460	L.F.	\$ 5.00	\$ 22,300.00

ESTIMATED CONSTRUCTION COSTS	\$599,500.00
CONSTRUCTION CONTINGENCY @ 15%	\$ 90,000.00
ENGINEERING, ADMIN, & LEGAL FEES @ 25%	\$172,400.00
TOTAL ESTIMATED PROJECT COSTS	\$861,900.00
ESTIMATED NUMBER OF EDUs TO BE SERVED	10
ESTIMATED CAPITAL COST PER EDU	\$ 86,200.00

ASSUMPTIONS USED TO CALCULATE PROJECT COST:

LPS Total Length: 5,230 ft. of which stream crossing is 100 ft.

LPS Main - Aggregate Backfill 15% of total length

LPS Main - Suitable Backfill 85% of total length

Length of LPL connections: 20' per connection; Aggregate Backfill 50% of total length and Suitable Backfill 50% of total length

Inline cleanout required every 500 feet

Temporary Paving is assumed to be 2" of 19.5mm HMA

Municipal Paving is assumed to be 3" 25mm base and 1.5" 9.5mm wearing