

**OPINION OF PROBABLE PROJECT COST
FOR
SHINGLEHOUSE BOROUGH ACT 537 SEWAGE FACILITIES PLAN
STRUCTURAL ALTERNATIVE 3A
HIGH ST. SEWER EXTENSION LP TO LOW STREET P.S.**

ITEM NO.	DESCRIPTION	EST. QUANTITY	UNIT	UNIT PRICE	EXTENSION
GENERAL					
1	MOBILIZATION @ 5%	1	L.S.	\$ 13,400.00	\$ 13,400.00
2	TRAFFIC MAINTENANCE & PROTECTION @ 2.5%	1	L.S.	\$ 6,700.00	\$ 6,700.00
3	EROSION AND SEDIMENTATION CONTROL @ 2.5%	1	L.S.	\$ 6,700.00	\$ 6,700.00
LOW PRESSURE SEWER					
4	2" HDPE LOW PRESSURE SEWER - AGGREGATE BACKFILL	474	L.F.	\$ 60.00	\$ 28,440.00
5	2" HDPE LOW PRESSURE SEWER - SUITABLE BACKFILL	1,896	L.F.	\$ 55.00	\$104,280.00
6	1.25" HDPE LOW PRESSURE LATERAL - AGGREGATE BACKFILL	40	L.F.	\$ 50.00	\$ 2,000.00
7	1.25" HDPE LOW PRESSURE LATERAL - SUITABLE BACKFILL	40	L.F.	\$ 40.00	\$ 1,600.00
8	LOW PRESSURE LATERAL CONNECTION	4	EA.	\$ 1,500.00	\$ 6,000.00
9	AIR/VACUUM RELEASE VALVES	1	EA.	\$ 7,750.00	\$ 7,750.00
10	INLINE CLEANOUT	4	EA.	\$ 2,700.00	\$ 10,800.00
11	TERMINAL CLEANOUT	2	EA.	\$ 2,500.00	\$ 5,000.00
12	GRINDER PUMP - SIMPLEX	4	EA.	\$ 6,500.00	\$ 26,000.00
13	CONNECTION TO EXISTING MANHOLE	1	EA.	\$ 1,250.00	\$ 1,250.00
PENNDOT CROSSING					
14	PENNDOT CROSSING	100	L.F.	\$ 300.00	\$ 30,000.00
SURFACING					
15	TEMPORARY PAVING	514	L.F.	\$ 10.00	\$ 5,140.00
16	MUNICIPAL PAVING RESTORATION	514	L.F.	\$ 55.00	\$ 28,270.00
17	VEGETATIVE RESTORATION	1,936	L.F.	\$ 5.00	\$ 9,680.00

ESTIMATED CONSTRUCTION COSTS	\$293,100.00
CONSTRUCTION CONTINGENCY @ 15%	\$ 44,000.00
ENGINEERING, ADMIN, & LEGAL FEES @ 25%	\$ 84,300.00
TOTAL ESTIMATED PROJECT COSTS	\$421,400.00
ESTIMATED NUMBER OF EDUs TO BE SERVED	4
ESTIMATED CAPITAL COST PER EDU	\$105,400.00

ASSUMPTIONS USED TO CALCULATE PROJECT COST:

LPS Total Length: 2,470 ft. of which PennDOT crossing is 100 ft.

LPS Main - Aggregate Backfill 20% of total length

LPS Main - Suitable Backfill 80% 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