

**OPINION OF PROBABLE PROJECT COST
FOR
SHINGLEHOUSE BOROUGH ACT 537 SEWAGE FACILITIES PLAN
STRUCTURAL ALTERNATIVE 2A
HORSE RUN SEWER EXTENSION LP TO LOW STEET P.S.**

ITEM NO.	DESCRIPTION	EST. QUANTITY	UNIT	UNIT PRICE	EXTENSION
GENERAL					
1	MOBILIZATION @ 5%	1	L.S.	\$ 15,100.00	\$ 15,100.00
2	TRAFFIC MAINTENANCE & PROTECTION @ 2.5%	1	L.S.	\$ 7,600.00	\$ 7,600.00
3	EROSION AND SEDIMENTATION CONTROL @ 2.5%	1	L.S.	\$ 7,600.00	\$ 7,600.00
LOW PRESSURE SEWER					
4	2" HDPE LOW PRESSURE SEWER - AGGREGATE BACKFILL	134	L.F.	\$ 60.00	\$ 8,040.00
5	2" HDPE LOW PRESSURE SEWER - SUITABLE BACKFILL	1,206	L.F.	\$ 55.00	\$ 66,330.00
6	1.25" HDPE LOW PRESSURE LATERAL - AGGREGATE BACKFILL	60	L.F.	\$ 50.00	\$ 3,000.00
7	1.25" HDPE LOW PRESSURE LATERAL - SUITABLE BACKFILL	60	L.F.	\$ 40.00	\$ 2,400.00
8	LOW PRESSURE LATERAL CONNECTION	6	EA.	\$ 1,500.00	\$ 9,000.00
9	AIR/VACUUM RELEASE VALVES	1	EA.	\$ 7,750.00	\$ 7,750.00
10	INLINE CLEANOUT	3	EA.	\$ 2,700.00	\$ 8,100.00
11	TERMINAL CLEANOUT	1	EA.	\$ 2,500.00	\$ 2,500.00
12	GRINDER PUMP - SIMPLEX	6	EA.	\$ 6,500.00	\$ 39,000.00
13	CONNECTION TO EXISTING MANHOLE	1	EA.	\$ 1,250.00	\$ 1,250.00
STREAM CROSSING					
14	STREAM CROSSING	440	L.F.	\$ 300.00	\$132,000.00
SURFACING					
15	TEMPORARY PAVING	194	L.F.	\$ 10.00	\$ 1,940.00
16	PENNDOT PAVING RESTORATION	194	L.F.	\$ 65.00	\$ 12,610.00
17	VEGETATIVE RESTORATION	1,266	L.F.	\$ 5.00	\$ 6,330.00

ESTIMATED CONSTRUCTION COSTS	\$330,600.00
CONSTRUCTION CONTINGENCY @ 15%	\$ 49,600.00
ENGINEERING, ADMIN, & LEGAL FEES @ 25%	\$ 95,100.00
TOTAL ESTIMATED PROJECT COSTS	\$475,300.00
ESTIMATED NUMBER OF EDUs TO BE SERVED	6
ESTIMATED CAPITAL COST PER EDU	\$ 79,300.00

ASSUMPTIONS USED TO CALCULATE PROJECT COST:

LPS Total Length: 1,780 ft. of which stream crossing is 440 ft.

LPS Main - Aggregate Backfill 10% of total length

LPS Main - Suitable Backfill 90% 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

PennDOT Paving is assumed to be 6" 25mm base and 2" 9.5mm wearing