

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

ITEM NO.	DESCRIPTION	EST. QUANTITY	UNIT	UNIT PRICE	EXTENSION
GENERAL					
1	MOBILIZATION @ 5%	1	L.S.	\$ 29,100.00	\$ 29,100.00
2	TRAFFIC MAINTENANCE & PROTECTION @ 2.5%	1	L.S.	\$ 14,600.00	\$ 14,600.00
3	EROSION AND SEDIMENTATION CONTROL @ 2.5%	1	L.S.	\$ 14,600.00	\$ 14,600.00
GRAVITY SEWER					
4	8" PVC MAIN - AGGREGATE FILL	1,896	L.F.	\$ 160.00	\$303,360.00
5	8" PVC MAIN - SUITABLE FILL	474	L.F.	\$ 120.00	\$ 56,880.00
6	8" x 6" WYE	4	EA.	\$ 250.00	\$ 1,000.00
7	6" SERVICE LATERAL - AGGREGATE FILL	40	L.F.	\$ 75.00	\$ 3,000.00
8	6" SERVICE LATERAL - SUITABLE FILL	40	L.F.	\$ 55.00	\$ 2,200.00
9	CLEANOUT	4	EA.	\$ 525.00	\$ 2,100.00
10	CLAY DIKE	8	EA.	\$ 350.00	\$ 2,800.00
MANHOLES					
11	MANHOLE - 4' DIAMETER	9	EA.	\$ 5,000.00	\$ 45,000.00
12	MANHOLE FRAME AND COVER	9	EA.	\$ 500.00	\$ 4,500.00
13	CONNECTION TO EXISTING MANHOLE	1	EA.	\$ 2,500.00	\$ 2,500.00
PENNDOT CROSSING					
14	PENNDOT CROSSING	100	L.F.	\$ 300.00	\$ 30,000.00
SURFACING					
15	TEMPORARY PAVING	1,936	L.F.	\$ 10.00	\$ 19,360.00
16	MUNICIPAL PAVING RESTORATION	1,936	L.F.	\$ 55.00	\$106,480.00
17	VEGETATIVE RESTORATION	514	L.F.	\$ 5.00	\$ 2,570.00

ESTIMATED CONSTRUCTION COSTS	\$640,100.00
CONSTRUCTION CONTINGENCY @ 15%	\$ 96,100.00
ENGINEERING, ADMIN, & LEGAL FEES @ 25%	\$184,100.00
TOTAL ESTIMATED PROJECT COSTS	\$920,300.00
ESTIMATED NUMBER OF EDUs TO BE SERVED	4
ESTIMATED CAPITAL COST PER EDU	\$230,100.00

ASSUMPTIONS USED TO CALCULATE PROJECT COST:

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

Gravity Main - Aggregate Backfill 80% of total length

Gravity Main - Suitable Backfill 20% of total length

Depth of Sewer: 10' - 12'

Depth of Manholes: 11'

Manhole is required every 350 ft.

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

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