

Project: Hickory Haven-Samary Forest Sanitary Sewer

Location: Goochland County, VA

Date: 5/20/2019



Based on Preliminary Plans for 8" Sanitary Sewer  
(not for construction)

Item #	Description of Work	Unit of Measure	Quantity	Unit Price	Item Total
<b>Gravity Sewer &amp; Appurtenances:</b>					
1	Mobilization	L.S.	1	60,000	\$ 60,000.00
2	8" PVC Sanitary Sewer Pipe	L.F.	8890	60	\$ 533,400
3	8" D.I. Sanitary Sewer Pipe	L.F.	190	80	\$ 15,200
4	Excavation and Backfill 8" Depth 0-6 Feet	L.F.	135	30	\$ 4,050
5	Excavation and Backfill 8" Depth 6-8 Feet	L.F.	1905	35	\$ 66,700
6	Excavation and Backfill 8" Depth 8-10 Feet	L.F.	3100	40	\$ 124,000
7	Excavation and Backfill 8" Depth 10-12 Feet	L.F.	2070	50	\$ 103,500
8	Excavation and Backfill 8" Depth 12-14 Feet	L.F.	1180	60	\$ 70,800
9	Excavation and Backfill 8" Depth 14-16 Feet	L.F.	440	70	\$ 30,800
10	Excavation and Backfill 8" Depth 16-18 Feet	L.F.	250	80	\$ 20,000
11	Removal of Unsuitable Soil and Replacement with Select Backfill	C.Y.	500	70	\$ 35,000
12	Hardpan and Rock Excavation	C.Y.	---	---	---
13	48" Manhole	V.F.	435	500	\$ 217,500
14	Standard Manhole Frame and Cover	EA.	47	500	\$ 23,500
15	PVC Service Tee (8" x 4")	EA.	42	400	\$ 16,800
16	Ductile Iron Service Tee (8" x 4")	EA.	6	500	\$ 3,000
17	4" PVC Sewer Pipe for House Connection	L.F.	1225	35	\$ 42,875
18	4" D.I. Sewer Pipe for House Connection	L.F.	390	55	\$ 21,450
19	Excavation and Backfill 4" Service	L.F.	1615	30	\$ 48,450
20	4" PVC Cleanout on Service Line at P/L	EA.	47	400	\$ 18,800
21	4" D.I. Cleanout on Service Line at P/L	EA.	9	1,100	\$ 9,900
22	Connect New Sewer Main to Existing Manhole	EA.	2	2,000	\$ 4,000
23	Connect New Sewer Service to New Manhole	EA.	8	500	\$ 4,000
24	Bypass Pump Operation	L.S.	1	20,000	\$ 20,000
25	Traffic Control	L.S.	1	50,000	\$ 50,000
				<b>Total</b>	<b>\$ 1,543,725</b>
<b>Erosion &amp; Sediment Control:</b>					
26	Clearing & grubbing	AC.	3.80	10,000	\$ 38,000
27	Construction entrance	EA.	5	5,000	\$ 25,000
28	Orange Safety Fence	L.F.	3000	8	\$ 24,000
29	Silt fence	L.F.	4400	5	\$ 22,000
30	Riprap	C.Y.	50	100	\$ 5,000
				<b>Total</b>	<b>\$ 114,000</b>
<b>Restoration</b>					
31	Pavement Milling	S.Y.	1250	15	\$ 18,800
32	Replace Plant Mix Pavement 10" BM-25 + 2" SM-9.5 (trench only)	S.Y.	190	90	\$ 17,100
33	Pavement overlay with 2" SM-9.5	S.Y.	1250	20	\$ 25,000
34	Grading, Seeding and Straw for Trenches	S.Y.	9920	10	\$ 99,200
35	Furnish and install 15" Concrete Driveway Culvert Pipe	L.F.	120	50	\$ 6,000
36	Stone for Driveway Replacement	L.F.	150	10	\$ 1,500
37	Additional Stone for Driveway Replacement	S.Y.	115	10	\$ 1,150
38	Asphalt Driveway Replacement Trench	L.F.	55	40	\$ 2,200
39	Additional Asphalt Driveway Replacement	S.Y.	50	25	\$ 1,250
40	Replace Miscellaneous Fencing	L.F.	1000	20	\$ 20,000
41	Replace Miscellaneous Trees and Shrubbery per Lot	EA.	59	500	\$ 29,500
				<b>Total</b>	<b>\$ 221,700</b>
				<b>Sub Total</b>	<b>\$ 1,879,500</b>
42	Construction Contingency		20%		\$ 375,900
				<b>Grand Total</b>	<b>\$ 2,255,400</b>

- Notes:
1. Timmons Group's Opinion of Probable Construction Cost (OPCC) is based on best judgment, experience and being qualified professionals generally familiar with the construction industry. Because Timmons Group has no control over the cost of labor, materials, equipment, services furnished by others, or over competitive bidding or market conditions, Timmons Group cannot guarantee that actual construction costs will not vary from the OPCC presented.
  2. Costs associated with the Readers Branch Development portion of sewer are not included in this estimate.
  3. Costs for purchasing temporary or permanent construction easements, as well as cost to cure items, are not included in this estimate.
  4. Costs for hardpan and rock excavation are not included at this time. This estimate will be revised upon completion of the geotechnical investigation.
  5. It is assumed that VDOT will allow open cut road crossings without the installation of a casing pipe.