



**MANOR AT BAILEY FARMS, 1ST PLAT**

**ENGINEER'S OPINION OF PROBABLE COST**

May 16, 2022

5/16/2022

**SANITARY SEWER CONSTRUCTION**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENSION
1	12" DIP	222.0	L.F.	95.00	\$21,090.00
2	10" PVC SDR-26	2,405.0	L.F.	72.00	\$173,160.00
3	8" PVC SDR-26	3,074.0	L.F.	65.00	\$199,810.00
4	6" PVC SDR-26	3,519.0	L.F.	60.00	\$211,140.00
5	10"X6" WYES	23.0	EA.	550.00	\$12,650.00
6	8'x6" WYES	60.0	EA.	500.00	\$30,000.00
7	Concrete Encasement	50.0	L.F.	50.00	\$2,500.00
8	Standard 4' Diameter Manhole	29.0	EA.	4,000.00	\$116,000.00
9	Tracer Wire and Boxes	83.0	EA.	50.00	\$4,150.00
10	Manhole Frame and Lid Placement within Pavement	28.0	EA.	150.00	\$4,200.00
11	Connect to Existing Manhole	1.0	EA.	1,000.00	\$1,000.00
12	Extra Depth in Manhole	253.0	V.F.	100.00	\$25,300.00
13	Rock Excavation (Estimated)	500.0	C.Y.	95.00	\$47,500.00
14	Manhole Barrel Adjustment	5.0	EA.	750.00	\$3,750.00
15	Manhole Ring Adjustment	5.0	EA.	750.00	\$3,750.00
				<b>SUBTOTAL</b>	<b>\$856,000.00</b>

**MANOR AT BAILEY FARMS, 1ST PLAT**  
**ENGINEER'S OPINION OF PROBABLE COST**

**STORM SEWERS**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENSION
1	6'x4' Curb Inlet	45.0	EA.	4,500.00	\$202,500.00
2	6'x5' Curb Inlet	4.0	EA.	4,600.00	\$18,400.00
3	6'x6' Curb Inlet	2.0	EA.	4,700.00	\$9,400.00
4	6'x7' Curb Inlet	1.0	EA.	4,800.00	\$4,800.00
5	7'x4' Curb Inlet	8.0	EA.	4,500.00	\$36,000.00
6	8'x4' Curb Inlet	2.0	EA.	5,800.00	\$11,600.00
7	4'x4' Area Inlet	4.0	EA.	3,500.00	\$14,000.00
8	4'x5' Area Inlet	2.0	EA.	3,600.00	\$7,200.00
9	4'x6' Area Inlet	3.0	EA.	3,800.00	\$11,400.00
10	5'x5' Area Inlet	3.0	EA.	3,800.00	\$11,400.00
11	Water Quality Outlet Structure #3801	1.0	EA.	10,000.00	\$10,000.00
12	Fairclothe Skimmer	1.0	EA.	4,500.00	\$4,500.00
13	15" HDPE Flared End Section	1.0	EA.	1,250.00	\$1,250.00
14	30" HDPE Flared End Section	1.0	EA.	1,800.00	\$1,800.00
15	36" HDPE Flared End Section	1.0	EA.	2,200.00	\$2,200.00
16	60"x38" RCP Flared End Section	1.0	EA.	4,200.00	\$4,200.00
17	15" HDPE	1,733.0	L.F.	45.00	\$77,985.00
18	15" RCP	266.0	L.F.	55.00	\$14,630.00
19	18" HDPE	752.0	L.F.	65.00	\$48,880.00
20	24" HDPE	788.0	L.F.	75.00	\$59,100.00
21	24" RCP	35.0	L.F.	85.00	\$2,975.00
22	30" HDPE	1,789.0	L.F.	85.00	\$152,065.00
23	30" RCP	73.0	L.F.	105.00	\$7,665.00
24	36" HDPE	526.0	L.F.	95.00	\$49,970.00
25	36" RCP	341.0	L.F.	115.0	\$39,215.00
26	42" RCP	395.0	L.F.	125.0	\$49,375.00
27	48" RCP	192.0	L.F.	135.0	\$25,920.00
28	60"x38" RCP	120.0	L.F.	180.0	\$21,600.00
29	50# Stone Rip-Rap with Filter Fabric	33.0	C.Y.	60.0	\$1,980.00
30	100# Stone Rip-Rap with Filter Fabric	12.0	C.Y.	80.0	\$960.00
31	Rock Excavation (Storm Sewers Only)	52.0	C.Y.	95.0	\$4,940.00

<b>SUBTOTAL</b>	<b>\$907,910.00</b>
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**MANOR AT BAILEY FARMS, 1ST PLAT**  
**ENGINEER'S OPINION OF PROBABLE COST**

**STREET CONSTRUCTION**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENSION
1	Clearing and Grubbing	1.0	LS	\$15,000.00	\$15,000.00
2	Grading	1.0	LS.	\$140,000.00	\$140,000.00
3	6" Asphalt (Local-Residential Streets)	14,670.0	S.Y.	\$30.00	\$440,100.00
4	7.5" Asphalt (Residential Collector Streets)	7,000.0	S.Y.	\$36.00	\$252,000.00
5	Fly Ash or Compacted Aggregate Base	26,050.0	S.Y.	\$5.25	\$136,762.50
6	Type CG-2 Curb and Gutter (Inlet Transitions Not Included)	21,216.0	L.F.	\$16.00	\$339,456.00
7	Type CG-1 Curb and Gutter (Entrance Island)	95.0	L.F.	\$22.00	\$2,090.00
8	5' Concrete Sidewalk	2,692.0	L.F.	\$25.00	\$67,300.00
9	10' Concrete Trail	628.0	L.F.	\$50.00	\$31,400.00
10	Type A Ramp	37.0	EA.	\$2,200.00	\$81,400.00
11	Type M Ramp	6.0	EA.	\$1,500.00	\$9,000.00
12	Sidewalk Ramp at 10' Trail	2.0	EA.	\$2,800.00	\$5,600.00
13	End of Road Marker (OM-4-1 Signs)	30.0	EA.	\$400.00	\$12,000.00
14	Signage	1.0	L.S.	\$5,000.00	\$5,000.00
15	Striping	1.0	L.S.	\$2,500.00	\$2,500.00
16	Seeding and Mulching/Final Restoration	1.0	L.S.	\$73,800.00	\$73,800.00
17	Erosion Control	1.0	L.S.	\$22,500.00	\$22,500.00
18	Construction Entrance	1.0	L.S.	\$2,500.00	\$2,500.00
19	Sediment Basin Construction	1.0	L.S.	\$10,000.00	\$10,000.00
				<b>SUBTOTAL</b>	<b>\$1,648,408.50</b>

**MANOR AT BAILEY FARMS, 1ST PLAT**  
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**WATER MAIN EXTENSION**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENSION
1	Connect to Existing Water Line	2.0	EA.	\$2,200.00	\$4,400.00
2	Dry Bore	40.0	LF.	\$150.00	\$6,000.00
3	6" Concrete Encasement	20.0	LF.	\$25.00	\$500.00
4	Fire Hydrant Assembly	15.0	EA.	\$4,500.00	\$67,500.00
5	End Of Line Temporary Fire Hydrant Assembly	12.0	EA.	\$4,500.00	\$54,000.00
6	8" C-900 PVC	7,586.0	LF.	\$65.00	\$493,090.00
7	8" Gate Valve	23.0	EA.	\$1,500.00	\$34,500.00
8	8"x8" Tee	7.0	EA.	\$750.00	\$5,250.00
9	8"x8" Cross	7.0	EA.	\$750.00	\$5,250.00
10	8" - 11.25° PVC Bend	28.0	EA.	\$750.00	\$21,000.00
11	8" - 22.5° PVC Bend	3.0	EA.	\$750.00	\$2,250.00
12	8" - 45° PVC Bend	17.0	EA.	\$750.00	\$12,750.00

<b>SUBTOTAL</b>	<b>\$706,490.00</b>
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<b>SANITARY SEWER CONSTRUCTION</b>	<b>\$856,000.00</b>
<b>STORM SEWERS</b>	<b>\$907,910.00</b>
<b>STREET CONSTRUCTION</b>	<b>\$1,648,408.50</b>
<b>WATER MAIN EXTENSION</b>	<b>\$706,490.00</b>

<b>TOTAL</b>	<b>\$4,118,808.50</b>
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