



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

**ENGINEER'S OPINION OF PROBABLE COST**

December 7, 2023

**SANITARY SEWER CONSTRUCTION**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENSION
1	12" DIP	222	L.F.	150.00	\$33,300.00
2	10" PVC SDR-26	2,405	L.F.	75.00	\$180,375.00
3	8" PVC SDR-26	3,074	L.F.	67.00	\$205,958.00
4	6" PVC SDR-26	3,519	L.F.	40.00	\$140,760.00
5	10"X6" WYES	23	EA.	450.00	\$10,350.00
6	8'x6" WYES	60	EA.	400.00	\$24,000.00
7	Concrete Encasement	50	L.F.	150.00	\$7,500.00
8	Standard 4' Diameter Manhole	29	EA.	5,800.00	\$168,200.00
9	Tracer Wire and Boxes	83	EA.	300.00	\$24,900.00
10	Manhole Frame and Lid Placement within Pavement	28	EA.	150.00	\$4,200.00
11	Connect to Existing Manhole	1	EA.	2,400.00	\$2,400.00
12	Extra Depth in Manhole	253	V.F.	120.00	\$30,360.00
13	Rock Excavation (Estimated)	500	C.Y.	100.00	\$50,000.00
14	Manhole Barrel Adjustment	5	EA.	875.00	\$4,375.00
15	Manhole Ring Adjustment	5	EA.	580.00	\$2,900.00
16	Flowable Fill	58	CY	138.00	\$8,004.00

<b>SUBTOTAL</b>	<b>\$897,582.00</b>
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**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	EA.	\$7,300.00	\$328,500.00
2	6'x5' Curb Inlet	4	EA.	\$8,900.00	\$35,600.00
3	6'x6' Curb Inlet	2	EA.	\$10,500.00	\$21,000.00
4	6'x7' Curb Inlet	1	EA.	\$11,200.00	\$11,200.00
5	7'x4' Curb Inlet	8	EA.	\$10,400.00	\$83,200.00
6	8'x4' Curb Inlet	2	EA.	\$11,200.00	\$22,400.00
7	4'x4' Area Inlet	2	EA.	\$5,300.00	\$10,600.00
8	4'x5' Area Inlet	2	EA.	\$6,100.00	\$12,200.00
9	4'x6' Area Inlet	3	EA.	\$7,600.00	\$22,800.00
10	5'x5' Area Inlet	3	EA.	\$7,500.00	\$22,500.00
11	Water Quality Outlet Structure #3801	1	EA.	\$14,500.00	\$14,500.00
12	Fairclothe Skimmer	1	EA.	\$5,500.00	\$5,500.00
13	15" HDPE Flared End Section	1	EA.	\$1,250.00	\$1,250.00
14	30" HDPE Flared End Section	1	EA.	\$3,000.00	\$3,000.00
15	36" HDPE Flared End Section	2	EA.	\$3,450.00	\$6,900.00
16	60"x38" RCP Flared End Section	1	EA.	\$5,200.00	\$5,200.00
17	15" HDPE	1,733	L.F.	\$44.00	\$76,252.00
18	15" RCP	266	L.F.	\$59.00	\$15,694.00
19	18" HDPE	752	L.F.	\$53.00	\$39,856.00
20	24" HDPE	788	L.F.	\$68.00	\$53,584.00
21	24" RCP	35	L.F.	\$84.00	\$2,940.00
22	30" HDPE	1,789	L.F.	\$89.00	\$159,221.00
23	30" RCP	73	L.F.	\$115.00	\$8,395.00
24	36" HDPE	526	L.F.	\$108.00	\$56,808.00
25	36" RCP	341	L.F.	\$145.00	\$49,445.00
26	42" RCP	395	L.F.	\$180.00	\$71,100.00
27	48" RCP	192	L.F.	\$210.00	\$40,320.00
28	60"x38" RCP	120	L.F.	\$475.00	\$57,000.00
29	50# Stone Rip-Rap with Filter Fabric	33	C.Y.	\$100.00	\$3,300.00
30	100# Stone Rip-Rap with Filter Fabric	12	C.Y.	\$140.00	\$1,680.00
31	Rock Excavation (Storm Sewers Only)	52	C.Y.	\$100.00	\$5,200.00
32	Flowable Fill	495	CY	\$138.00	\$68,310.00

<b>SUBTOTAL</b>	<b>\$1,315,455.00</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	LS	\$15,000.00	\$15,000.00
2	Grading	1	LS.	\$140,000.00	\$140,000.00
3	6" Asphalt (Local-Residential Streets)	14,670	S.Y.	\$28.00	\$410,760.00
4	7.5" Asphalt (Residential Collector Streets)	7,000	S.Y.	\$35.00	\$245,000.00
5	Compacted Aggregate Base, Cement, or Lime Stabilization	26,050	S.Y.	\$7.80	\$203,190.00
6	Type CG-2 Curb and Gutter (Inlet Transitions Not Included)	21,216	L.F.	\$22.00	\$466,752.00
7	Type CG-1 Curb and Gutter (Entrance Island)	95	L.F.	\$25.00	\$2,375.00
8	5' Concrete Sidewalk	2,692	L.F.	\$40.00	\$107,680.00
9	10' Concrete Trail	628	L.F.	\$80.00	\$50,240.00
10	Type A Ramp	37	EA.	\$2,200.00	\$81,400.00
11	Type M Ramp	6	EA.	\$1,500.00	\$9,000.00
12	Sidewalk Ramp at 10' Trail	2	EA.	\$2,800.00	\$5,600.00
13	End of Road Marker (OM-4-1 Signs)	30	EA.	\$500.00	\$15,000.00
14	Signage	1	L.S.	\$8,000.00	\$8,000.00
15	Striping	1	L.S.	\$2,700.00	\$2,700.00
16	Seeding and Mulching/Final Restoration	1	L.S.	\$44,800.00	\$44,800.00
17	Erosion Control	1	L.S.	\$25,000.00	\$25,000.00
18	Construction Entrance	1	L.S.	\$2,500.00	\$2,500.00
19	Sediment Basin Construction	1	L.S.	\$10,000.00	\$10,000.00
				<b>SUBTOTAL</b>	<b>\$1,844,997.00</b>

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

**ENGINEER'S OPINION OF PROBABLE COST**

**WATER MAIN EXTENSION**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENSION
1	Connect to Existing Water Line	2	EA.	\$2,200.00	\$4,400.00
2	Dry Bore	40	LF.	\$150.00	\$6,000.00
3	Fire Hydrant Assembly	15	EA.	\$6,500.00	\$97,500.00
4	End Of Line Temporary Fire Hydrant Assembly	12	EA.	\$4,500.00	\$54,000.00
5	8" C-900 PVC	7,586	LF.	\$65.00	\$493,090.00
6	8" Gate Valve	24	EA.	\$1,800.00	\$43,200.00
7	8"x8" Tee	7	EA.	\$750.00	\$5,250.00
8	16" Butterfly Valve	1	EA.	\$12,000.00	\$12,000.00
9	8"x8" Cross	7	EA.	\$750.00	\$5,250.00
10	8" - 11.25° PVC Bend	28	EA.	\$750.00	\$21,000.00
11	8" - 22.5° PVC Bend	3	EA.	\$750.00	\$2,250.00
12	8" - 45° PVC Bend	17	EA.	\$750.00	\$12,750.00
13	Flowable Fill	45	CY	138.00	\$6,210.00

<b>SUBTOTAL</b>	<b>\$762,900.00</b>
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**SANITARY SEWER CONSTRUCTION      \$897,582.00**

**STORM SEWERS      \$1,315,455.00**

**STREET CONSTRUCTION      \$1,844,997.00**

**WATER MAIN EXTENSION      \$762,900.00**

**TOTAL      \$4,820,934.00**