

RETREAT AT BAILEY FARMS, FIRST PLAT

ENGINEER'S OPINION OF PROBABLE COST

December 7, 2023

SANITARY SEWER CONSTRUCTION

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENSION
1	8" PVC SDR-26	989	L.F.	67.00	\$66,263.00
2	6" PVC SDR-26	1,632	L.F.	40.00	\$65,280.00
3	8"x6" WYES	35	EA.	400.00	\$14,000.00
4	STD. 4' Diameter Manhole	5	EA.	5,800.00	\$29,000.00
5	Connect to Existing Manhole	1	EA.	2,400.00	\$2,400.00
6	Extra Depth in Manhole	41	V.F.	120.00	\$4,920.00
7	Tracer Wire and Boxes	35	EA.	300.00	\$10,500.00
8	Rock Excavation (Estimated)	250	C.Y.	100.00	\$25,000.00
9	Manhole Barrel Adjustment	2	EA.	875.00	\$1,750.00
10	Manhole Ring Adjustment	2	EA.	580.00	\$1,160.00
11	Flowable Fill	10	CY	138.00	\$1,380.00

SUBTOTAL	\$221,653.00
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STORM SEWERS

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENSION
1	6'x4' Curb Inlet	8	EA.	\$7,300.00	\$58,400.00
2	4'x4' Junction Box	1	EA.	\$6,700.00	\$6,700.00
3	4'x4' MoDOT Type S-1 Field Inlet	1	EA.	\$6,500.00	\$6,500.00
4	15" HDPE	549	L.F.	\$44.00	\$24,156.00
5	18" HDPE	172	L.F.	\$53.00	\$9,116.00
6	24" HDPE	106	L.F.	\$68.00	\$7,208.00
7	24" RCP	108	L.F.	\$84.00	\$9,072.00
8	Turf Reinforcement Mat	206	S.Y.	\$7.20	\$1,483.20
9	Flowable Fill	48	CY	138.00	\$6,624.00

SUBTOTAL	\$129,259.20
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RETREAT AT BAILEY FARMS, FIRST PLAT
ENGINEER'S OPINION OF PROBABLE COST

STREET CONSTRUCTION

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENSION
1	Clearing and Grubbing	1	LS	\$25,000.00	\$25,000.00
2	Grading	1	LS.	\$80,000.00	\$80,000.00
3	6" Asphalt (Local-Residential Streets)	3,100	S.Y.	\$28.00	\$86,800.00
4	Compacted Aggregate Base, Cement, or Lime Stabilization	3,743	S.Y.	\$7.80	\$29,195.40
5	Type CG-2 Curb and Gutter (Inlet Transitions Not Included)	1,771	L.F.	\$22.00	\$38,962.00
6	5' Concrete Sidewalk	36	L.F.	\$40.00	\$1,440.00
7	10' Concrete Trail	174	L.F.	\$80.00	\$13,920.00
8	Type A Ramp	2	EA.	\$2,200.00	\$4,400.00
9	End of Road Marker (OM-4-1 Signs)	6	EA.	\$500.00	\$3,000.00
10	Signage	1	L.S.	\$800.00	\$800.00
11	Seeding and Mulching/Final Restoration	1	L.S.	\$10,800.00	\$10,800.00
12	Erosion Control	1	L.S.	\$8,400.00	\$8,400.00
13	Construction Entrance	1	L.S.	\$2,500.00	\$2,500.00

SUBTOTAL	\$305,217.40
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WATER MAIN EXTENSION

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENSION
1	Connect to Existing Water Line	1	EA.	\$2,200.00	\$2,200.00
2	Fire Hydrant Assembly	4	EA.	\$6,500.00	\$26,000.00
3	End Of Line Assembly (Relocation of Existing)	2	EA.	\$4,500.00	\$9,000.00
4	8" C-900 PVC	1,250	LF.	\$65.00	\$81,250.00
5	8" Gate Valve	3	EA.	\$1,800.00	\$5,400.00
6	8"x8" Tee	2	EA.	\$750.00	\$1,500.00
7	8" - 11.25° PVC Bend	4	EA.	\$750.00	\$3,000.00
8	8" - 22.5° PVC Bend	4	EA.	\$750.00	\$3,000.00
9	8" - 45° PVC Bend	3	EA.	\$750.00	\$2,250.00
10	Flowable Fill	18	CY	138.00	\$2,484.00

SUBTOTAL	\$136,084.00
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SANITARY SEWER CONSTRUCTION	\$221,653.00
STORM SEWERS	\$129,259.20
STREET CONSTRUCTION	\$305,217.40
WATER MAIN EXTENSION	\$136,084.00

TOTAL	\$792,213.60
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