

Saddlewood Estates

Engineers Estimate

DATE: October 6, 2021

NOTE: ALL LINEAR FOOT PIPE PRICES TO INCLUDE FITTINGS, BEDDING AND COMPACTED NATIVE BACKFILL TO GRADE

WORK ITEM #	ITEM	UNIT	QUANTITY	UNIT PRICE	TASK PRICE
I. 1900 SOUTH STREET FRONTAGE IMPROVEMENTS					
1	SAW-CUT EXISTING ASPHALT; REMOVE & DISPOSE	LF	1,447	\$6.50 /LF	\$9,406
2	8" SCARIFY - SUBGRADE PREP & COMPACT TO 95%	SF	22,106	\$0.20 /SF	\$4,421
3	8" GRANULAR BORROW 3" MINUS PIT RUN	SF	17,330	\$0.56 /SF	\$9,705
4	6" UNTREATED BASE COURSE (3/4" - 1-1/2") - IN-PLACE	SF	17,330	\$0.67 /SF	\$11,611
5	3" ASPHALT - IN-PLACE	SF	17,330	\$1.40 /SF	\$24,262
6	SEAL COAT	SY	1,925	\$1.60 /SY	\$3,080
7	INSTALL 2.5' WIDE STANDARD CURB & GUTTER	LF	1,340	\$19.00 /LF	\$25,460
8	INSTALL STD. 4-FOOT WIDE CONC. SIDEWALK	SF	5,357	\$5.00 /SF	\$26,785
9	INSTALL ADA RAMP	EA	4	\$850.00 /EA	\$3,400
	SUBTOTAL:				\$118,130
II. STREET IMPROVEMENTS - ON-SITE					
10	MOBILIZATION, CLEARING & SITE PREPARATION	LS	1	\$3,000.00 /LS	\$3,000
11	8" SCARIFY - SUBGRADE PREP & COMPACT TO 95%	SF	159,362	\$0.20 /SF	\$31,872
12	6" GRANULAR BORROW 3" MINUS PIT RUN	SF	130,493	\$0.56 /SF	\$73,076
13	5" UNTREATED BASE COURSE (3/4" - 1-1/2") - IN-PLACE	SF	130,493	\$0.67 /SF	\$87,430
14	3" ASPHALT - IN-PLACE	SF	130,493	\$1.40 /SF	\$182,690
15	SEAL COAT	SY	14,499	\$1.60 /SY	\$23,198
16	INSTALL 2.5' WIDE STANDARD CURB & GUTTER	LF	8,252	\$19.00 /LF	\$156,788
17	INSTALL STD. 4-FOOT WIDE CONC. SIDEWALK	SF	32,267	\$5.00 /SF	\$161,335
18	INSTALL ADA RAMP	EA	8	\$850.00 /EA	\$6,800
19	STREET MONUMENTS	EA	8	\$450.00 /EA	\$3,600
20	STREET LIGHT	EA	8	\$1,000.00 /EA	\$8,000
21	STREET SIGN/STOP SIGN	EA	9	\$250.00 /EA	\$2,250
22	COMPACTION TESTING	LS	1	\$4,500.00 /LS	\$4,500
23	INSTALL 48" RCP CULVERT AT SLOUGH CROSSING	LF	62	\$110.00 /LF	\$6,820
24	RIP RAP HEADWALLS	LS	2	\$18,000.00 /LS	\$36,000
25	EARTHWORK (APPROX.) - ON-SITE CUTS/FILLS FOR ROADWORK	CY	7,500	\$3.50 /CY	\$26,250
	SUBTOTAL:				\$813,610
III. DRAINAGE IMPROVEMENTS					
26	15-INCH RCP III STORM LINE	LF	2,379	\$24.00 /LF	\$57,096
27	INSTALL COUNTY-STD. COMBO BOX	EA	10	\$2,500.00 /EA	\$25,000
28	INSTALL COUNTY-STD. INLET BOX	EA	6	\$2,200.00 /EA	\$13,200
29	INSTALL COUNTY-STD. 5' MANHOLE	EA	1	\$2,300.00 /EA	\$2,300
30	INSTALL COUNTY-STD. 3'x3' CATCH BASIN IN POND	EA	1	\$2,200.00 /EA	\$2,200
31	DETENTION BASIN EXCAVATION, COMPLETE (2143 CY)	LS	1	\$5,700.00 /LS	\$5,700
32	HYDROSEED POND	LS	1	\$3,000.00 /LS	\$3,000
	SUBTOTAL:				\$108,496

IV.	CULINARY WATER IMPROVEMENTS					
33	CONNECT TO EXISTING WATER MAIN W/ HOT TAPPING SLEEVE & VALVE	EA	4	\$2,200.00	/EA	\$8,800
34	INSTALL 8" PVC C-900 DR 14 WATER MAIN WITH ALL FITTINGS, COMPLETE	LF	2,295	\$28.00	/LF	\$64,260
35	INSTALL 10" PVC C-900 DR 14 WATER MAIN WITH ALL FITTINGS, COMPLETE	LF	2,019	\$35.00	/LF	\$70,665
36	INSTALL 12" PVC C-900 DR 14 WATER MAIN WITH ALL FITTINGS, COMPLETE	LF	755	\$42.00	/LF	\$31,710
37	CONNECT NEW 12" WATERLINE TO EXISTING 6" WATERLINE AT BOTH ENDS	LS	1	\$2,200.00	/LS	\$2,200
38	FIRE LINE & HYDRANT, W/VALVE - COMPLETE	EA	7	\$4,000.00	/EA	\$28,000
39	WATER - 8" GATE VALVE	EA	9	\$1,350.00	/EA	\$12,150
40	WATER - 10" GATE VALVE	EA	5	\$2,100.00	/EA	\$10,500
41	WATER - 12" GATE VALVE	EA	4	\$3,600.00	/EA	\$14,400
42	TEMPORARY OR PERMANANT BLOW-OFF WITH TRAFFIC-RATED BOX & 2" FL	EA	2	\$24.00	/EA	\$48
43	WATER - INSTALL 1" WATER SERVICE W/ WATER METER & BOX, COMPLETE	EA	27	\$1,000.00	/EA	\$27,000
44	THRUST BLOCKING	LS	1	\$5,000.00	/LS	\$5,000
45	WATER - VALVE COLLARS	EA	18	\$350.00	/EA	\$6,300
46	IMPORT TRENCH BACKFILL (@ 2 TONS/CY)	TON	1	\$3.50	/TON	\$4
47	TEMPORARY PLUGS AND TESTING	LS	1	\$1,000.00	/LS	\$1,000
	SUBTOTAL:					\$282,037
V.	SEWER IMPROVEMENTS -OFF-SITE					
48	CONNECT TO EXISTING SEWER MANHOLE (OFF-SITE - 2100 SOUTH, 15 FEET D	LS	1	\$12,000.00	/LS	\$12,000
49	INSTALL 5-FOOT DIA. SEWER MANHOLE (8.5 - 8 FEET DEEP)	EA	3	\$6,000.00	/EA	\$18,000
50	INSTALL 4-FOOT DIA. SEWER MANHOLE (15 - 8.5 FEET DEEP)	EA	2	\$12,000.00	/EA	\$24,000
51	12" SEWER MAIN - PVC SDR 35 - OFFSITE	LF	1,625	\$60.00	/LF	\$97,500
52	SEWER - MANHOLE CONCRETE COLLARS	EA	5	\$350.00	/EA	\$1,750
53	TESTING, CLEANING, VIDEO INSPECT	LS	1	\$1,500.00	/LS	\$1,500
	SUBTOTAL:					\$154,750
VI.	SEWER IMPROVEMENTS - ON-SITE					
54	INSTALL 5-FOOT DIA. SEWER MANHOLE (6-5.5 FEET DEEP)	EA	1	\$3,500.00	/EA	\$3,500
55	INSTALL 4-FOOT DIA. SEWER MANHOLE (8.5-8 FEET DEEP)	EA	5	\$4,000.00	/EA	\$20,000
56	INSTALL 4-FOOT DIA. SEWER MANHOLE (8-6 FEET DEEP)	EA	4	\$3,800.00	/EA	\$15,200
57	INSTALL 4-FOOT DIA. SEWER MANHOLE (6-4 FEET DEEP)	EA	2	\$3,200.00	/EA	\$6,400
58	12" SEWER MAIN - PVC SDR 35 - ONSITE	LF	2,384	\$54.00	/LF	\$128,736
59	10" SEWER MAIN - PVC SDR 35 - ONSITE	LF	1,845	\$48.00	/LF	\$88,560
60	SEWER - INSTALL LATERALS FOR LOTS	EA	27	\$2,000.00	/EA	\$54,000
61	SEWER - MANHOLE CONCRETE COLLARS	EA	12	\$450.00	/EA	\$5,400
62	TESTING, CLEANING, VIDEO INSPECT	LS	1	\$1,800.00	/LS	\$1,800
	SUBTOTAL:					\$323,596
VII.	SECONDARY WATER IMPROVEMENTS					
63	CONNECT TO EXISTING SECONDARY WATER MAIN AT 5100 WEST	LS	1	\$2,200.00	/LS	\$2,200
64	6" SECONDARY WATER MAIN: PVC C-900 DR 18, WITH ALL FITTINGS, COMPL	LF	5,389	\$25.00	/LF	\$134,725
65	SECONDARY WATER SERVICE (DOUBLE), WITH METERS, COMPLETE	EA	12	\$3,600.00	/EA	\$43,200
66	SECONDARY WATER SERVICE SERVICE (SINGLE), WITH METER, COMPLETE	EA	7	\$1,500.00	/EA	\$10,500
67	SECONDARY WATER - 6" GATE VALVE	EA	10	\$1,200.00	/EA	\$12,000
68	SECONDARY WATER - VALVE COLLARS	EA	10	\$350.00	/EA	\$3,500
69	TEMPORARY BLOW-OFF VALVE WITH TRAFFIC-RATED BOX & 2" FLUSH VAL	EA	2	\$2,000.00	/EA	\$4,000
70	THRUST BLOCKS, TESTING	LS	1	\$2,500.00	/LS	\$2,500
	SUBTOTAL:					\$212,625

VIII.	SWPPP					
71	INLET PROTECTION	EA	14	\$150.00	/EA	\$2,100
72	SILT FENCE OR BERMING	LF	1,267	\$2.00	/LF	\$2,534
73	CONCRETE WASHOUT	LS	1	\$300.00	/LS	\$300
74	STABILIZED ENTRANCE	LS	4	\$800.00	/LS	\$3,200

	SUBTOTAL:					\$8,134
IX.	DRY UTILITIES					
75	ELECTRIC: DIG, LAY CONDUIT, BACKFILL	LF	5,550	\$14.00	/LF	\$77,700
76	ELECTRIC: SLEEVES	LF	500	\$10.00	/LF	\$5,000
77	GAS: SLEEVES	LF	500	\$10.00	/LF	\$5,000

	SUBTOTAL:					\$87,700
	1900 SOUTH STREET FRONTAGE IMPROVEMENTS					\$118,130
	STREET IMPROVEMENTS - ON-SITE					\$813,610
	STORM DRAINAGE IMPROVEMENTS					\$108,496
	CULINARY WATER IMPROVEMENTS					\$282,037
	SEWER SYSTEM IMPROVEMENTS - OFF-SITE					\$154,750
	SEWER SYSTEM IMPROVEMENTS - ON-SITE					\$323,596
	SECONDARY WATER IMPROVEMENTS					\$212,625
	SWPPP					\$8,134
	DRY UTILITIES					\$87,700
	SUBTOTAL: SITE IMPROVEMENTS:					\$2,109,077
	10% CONTINGENCY					\$210,908
	<u>GRAND TOTAL:</u>					\$2,319,985