

Collection Lines within Barber Property See Alternative 1 - Figure 5
Opinion of Probable Cost

1.	Line A - 10" Sanitary Sewer (PVC)	4,700	LF	\$100	\$470,000
2.	Line A - 18" Sanitary Sewer (PVC)	1,700	LF	\$110	\$187,000
3.	Line A - 24" Sanitary Sewer (PVC)	7,400	LF	\$125	\$925,000
4.	Line B - 24" Sanitary Sewer (PVC)	4,700	LF	\$125	\$587,500
5.	Line B - 27" Sanitary Sewer (PVC)	2,300	LF	\$138	\$317,400
6.	Line A - 48" Dia. Std. Manhole (5'-10')	3	EA	\$4,000	\$12,000
7.	Line A - 48" Dia. Std. Manhole (10.1'-15')	4	EA	\$4,500	\$18,000
8.	Line A - 48" Dia. Std. Manhole (15.1'-20')	4	EA	\$4,800	\$19,200
9.	Line A - 48" Dia. Std. Manhole (20.1'-25')	2	EA	\$5,100	\$10,200
10.	Line A - 48" Dia. Std. Manhole (25.1'-30')	1	EA	\$5,400	\$5,400
11.	Line A - 60" Dia. Std. Manhole (5'-10')	1	EA	\$5,000	\$5,000
12.	Line A - 60" Dia. Std. Manhole (10.1'-15')	7	EA	\$5,400	\$37,800
13.	Line A - 60" Dia. Std. Manhole (15.1'-20')	1	EA	\$5,800	\$5,800
14.	Line A - 60" Dia. Std. Manhole (20.1'-25')	2	EA	\$5,900	\$11,800
15.	Line A - 60" Dia. Std. Manhole (25.1'-30')	1	EA	\$6,300	\$6,300
16.	Line A - 60" Dia. Inside Drop Manhole (15.1'-20')	1	EA	\$5,500	\$5,500
17.	Line A - 60" Dia. Inside Drop Manhole (20.1'-25')	2	EA	\$6,000	\$12,000
18.	Line B - 60" Dia. Std. Manhole (10'-15')	10	EA	\$5,400	\$54,000
19.	Line B - 60" Dia. Std. Manhole (15.1'-20')	3	EA	\$5,800	\$17,400
20.	Line B - 60" Dia. Inside Drop Manhole (10'-15')	1	EA	\$5,200	\$5,200
21.	Line B - 60" Dia. Inside Drop Manhole (15.1'-20')	1	EA	\$5,500	\$5,500
22.	Line B - 60" Dia. Inside Drop Manhole (20.1'-25')	1	EA	\$6,000	\$6,000
23.	Rock Excavation	10,000	LF	\$35	\$350,000
24.	ROW	10,000	LF	\$15	\$150,000

SUBTOTAL: \$ 3,224,000

CONTINGENCY (25%): \$ 806,000

TOTAL CONSTRUCTION: \$ 4,030,000

Legal, Easements, Engineering, Inspection (20%): \$ 806,000

PROJECT TOTAL: \$ 4,836,000

Possible Pump Station Below Babrer Property See Alternative 1 - Figure 5

Opinion of Probable Cost

1.	Connect FM to Existing Sanitary Sewer	1	EA	\$1,500	\$1,500
2.	10" Forcemain	16,420	LF	\$90	\$1,477,800
3.	Submersible Pump Station (2 MGD)	1	LS	\$550,000	\$550,000
4.	Submersible Pump to pump to EFHB	1	LS	\$300,000	\$300,000
5.	EFHB	1	LS	\$880,000	\$880,000
6.	Bore and Case	150	LF	\$500	\$75,000

SUBTOTAL: \$ 3,284,300

CONTINGENCY (25%): \$ 821,075

TOTAL CONSTRUCTION: \$ 4,105,375

Legal, Easements, Engineering, Inspection (20%): \$ 821,075

PROJECT TOTAL: \$ 4,926,450

Lines from Barber to Middle Big Creek Interceptor

Opinion of Probable Cost

1.	60" Dia. Std. Manhole (15.1'-20')	40	EA	\$6,000	\$240,000
2.	27" Sanitary Sewer (PVC)	16,500	LF	\$140	\$2,310,000
3.	Rock Excavation	15,500	LF	\$35	\$542,500
4.	Bore and Case	80	LF	\$2,000	\$160,000
5.	ROW	14,000	LF	\$15	\$210,000

SUBTOTAL: \$ 3,462,500

CONTINGENCY (15%): \$ 519,375

TOTAL CONSTRUCTION: \$ 3,981,875

Legal, Easements, Engineering, Inspection (20%): \$ 796,375

PROJECT TOTAL: \$ 4,778,250

Phase 2 Big Creek Interceptor See Figure 3.3.3-3.3.5

Opinion of Probable Cost

1.	60" Dia. Std. Manhole (15.1'-20')	40	EA	\$6,000	\$240,000
2.	27" Sanitary Sewer (PVC)	7,500	LF	\$140	\$1,050,000
3.	30" Sanitary Sewer (PVC)	8,000	LF	\$155	\$1,240,000
4.	Rock Excavation	15,500	LF	\$35	\$542,500
5.	Bore and Case	80	LF	\$2,000	\$160,000
6.	ROW	12,000	LF	\$15	\$180,000

SUBTOTAL: \$ 3,412,500

CONTINGENCY (15%): \$ 511,875

TOTAL CONSTRUCTION: \$ 3,924,375

Legal, Easements, Engineering, Inspection (20%): \$ 784,875

PROJECT TOTAL: \$ 4,709,250

Water Line Extension
Opinion of Probable Cost

1.	12" Water Line	LF	12000	\$70.00	\$840,000.00
2.	Hydrant	Ea	24	\$3,000.00	\$72,000.00
3.	16" Valve	Ea	24	\$1,500.00	\$36,000.00
4.	Air Release	Ea	3	\$2,000.00	\$6,000.00
5.	Fittings	Ea	30	\$1,500.00	\$45,000.00
6.	Mobilization	LS	1	\$150,000.00	\$150,000.00

SUBTOTAL: \$ 1,149,000

CONTINGENCY (25%): \$ 287,250

TOTAL CONSTRUCTION: \$ 1,436,250

Legal, Easements, Engineering, Inspection (20%): \$ 287,250

PROJECT TOTAL: \$ 1,723,500