

ENGINEER'S OPINION OF PROBABLE COST
Azalea / Rhododendron Neighborhood Sewer System Improvements
City of Brevard, NC

<u>No.</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>\$/Unit</u>	<u>Total</u>
A.	Construction Contract:				
1	Mobilization / Demobilization	1	LS	\$230,000.00	\$230,000.00
2	Traffic Control	1	LS	\$100,000.00	\$100,000.00
3	Gravity Sewer Main (Open-Cut)				
	a. 8" PVC (SDR 35)	8,200	LF	\$110.00	\$902,000.00
4	Residential E1 Pumps	22	EA	\$8,500.00	\$187,000.00
5	Sewer Services				
	a. New Service Tap	125	EA	\$1,500.00	\$187,500.00
	b. New Cleanout	125	EA	\$500.00	\$62,500.00
	c. New 4" Service Line	1,500	LF	\$60.00	\$90,000.00
	d. Connect to Ex. Residential Plumbing	50	EA	\$350.00	\$17,500.00
6	New 4ø Manhole	42	EA	\$9,000.00	\$378,000.00
7	New Pump Station	1	LS	\$400,000.00	\$400,000.00
8	New 4" Forcemain	250	LF	\$55.00	\$13,750.00
9	Pressure to Pressure Connection	1	LS	\$25,000.00	\$25,000.00
10	Pavement Replacement:				
	a. Overlay (1.5" Surface)	8,200	SY	\$4.00	\$32,800.00
	b. Milling (1.5")	8,200	SY	\$24.00	\$196,800.00
	c. Binder Course (6")	1,900	TONS	\$250.00	\$475,000.00
	d. Compacted ABC (Backfill)	12,800	TONS	\$55.00	\$704,000.00
11	Erosion Control & Grassing	0.5	AC	\$30,000.00	\$15,000.00
12	Compaction Tests	34	EA	\$500.00	\$17,000.00
13	Classified Excavation	200	CY	\$175.00	\$35,000.00
	Construction Sub-Total				\$4,068,850.00
	Contingency (10%)				\$406,885.00
	Total Estimated Construction Budget				\$4,475,735.00
B.	Non-Construction Costs:				
1	Design & Permitting	1	LS	\$200,000.00	\$200,000.00
2	Geotechnical Services	1	LS	\$10,000.00	\$10,000.00
3	Bidding	1	LS	\$10,000.00	\$10,000.00
4	Construction Administration	1	LS	\$240,000.00	\$240,000.00
5	Easements	12	EA	\$5,000.00	\$60,000.00
6	Project Administration	1	LS	\$40,000.00	\$40,000.00
7	Project Close-out	1	LS	\$7,500.00	\$7,500.00
	Non-Construction Sub-Total				\$567,500.00
	Total Estimated Project Budget				\$5,043,235.00

Assumptions:

1. Milling and overlay one full lane.
2. 6" of binder based on existing conditions.