

ENGINEER'S OPINION OF PROBABLE COST
Old Hendersonville Highway / Azalea Avenue Sewer System Improvements
City of Brevard, NC

No.	Description	Quantity	Unit	\$/Unit	Total
A.	Construction Contract:				
1	Mobilization / Demobilization	1	LS	\$80,000.00	\$80,000.00
2	Traffic Control	1	LS	\$15,000.00	\$15,000.00
3	Gravity Sewer Main (Open-Cut)				
	a. 8" PVC (SDR 35)	1,700	LF	\$90.00	\$153,000.00
	b. 8" DIP, CL. 350	100	LF	\$125.00	\$12,500.00
	Gravity Sewer Main (Bore&Jack)				
	a. 16" Stl. Encase. Pipe & 8" DIP RJ	100	LF	\$450.00	\$45,000.00
4	Residential E1 Pumps	6	EA	\$8,000.00	\$48,000.00
5	Sewer Services				
	a. New Service Tap	30	EA	\$1,500.00	\$45,000.00
	b. New Cleanout	30	EA	\$500.00	\$15,000.00
	c. New 4" Service Line	500	LF	\$60.00	\$30,000.00
	d. Connect to Ex. Residential Plumbing	10	EA	\$350.00	\$3,500.00
6	New 4ø Manhole	11	EA	\$8,000.00	\$88,000.00
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)	2,000	SY	\$37.00	\$74,000.00
	b. Milling (1.5")	2,000	SY	\$15.00	\$30,000.00
	c. Binder Course (6")	500	TONS	\$225.00	\$112,500.00
	d. Compacted ABC (Backfill)	4,000	TONS	\$55.00	\$220,000.00
11	Erosion Control & Grassing	0.5	AC	\$30,000.00	\$15,000.00
12	Compaction Tests	34	EA	\$440.00	\$14,960.00
13	Classified Excavation	200	CY	\$150.00	\$30,000.00
	Construction Sub-Total				\$1,470,210.00
	Contingency (10%)				\$147,021.00
	Total Estimated Construction Budget				\$1,617,231.00
B.	Non-Construction Costs:				
1	Design & Permitting	1	LS	\$85,000.00	\$85,000.00
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	\$90,000.00	\$90,000.00
5	Easements	2	EA	\$3,500.00	\$7,000.00
6	Project Administration	1	LS	\$10,000.00	\$10,000.00
7	Project Close-out	1	LS	\$10,000.00	\$10,000.00
	Non-Construction Sub-Total				\$222,000.00
	Total Estimated Project Budget				\$1,839,231.00
<u>Assumptions:</u>					
1. Milling and overlay one full lane.					
2. Backfill with ABC					
3. 6" of binder based on existing conditions.					