

MUNICIPAL DEVELOPMENT GROUP

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Consulting Engineers, Surveyors, Planners and Environmental Consultants



May 11, 2000

Jeff Tondre, P.E.
City of College Station
Development Services
PO Box 9960
College Station, Texas 77842

RE: South Hampton Subdivision – Sanitary Sewer Improvements; Oversize Participation
MDG Job No. 000025-2981

Dear Jeff:

Per the City's direction, we are submitting the attached Engineer's Cost Estimates for the purpose of oversize participation on the South Hampton Subdivision development. From our estimate, the total construction cost for all sanitary sewer improvements required by the developer is in the amount of \$187,545.00. With the O.P. (line increase from 8" to 16") the construction cost increases to an amount of \$240,000.00. Therefore, the O.P. by the City to make the 8" line to a 16" line is in the amount of \$53,845.00. This O.P. is the differences between Items No. 3 & 7 from the attached cost estimates.

Sincerely,

A handwritten signature in black ink, appearing to read 'Rabon A. Metcalf'.

Rabon A. Metcalf, E.I.T.
Project Manager

RM/tm

Enclosures

ENGINEER'S COST ESTIMATE

**South Hampton Subdivision, Phase One
SANITARY SEWER IMPROVEMENTS W/O OVERSIZE PARTICIPATION**

NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
1	6" PVC Sanitary Sewer (SDR-26, D3034) w/Class "D" Embedment	3,720	LF	\$17.00	\$63,240.00
2	6" D.I.P. Sanitary Sewer (Class 350)	72	LF	\$22.00	\$1,584.00
3	8" D.I.P. Sanitary Sewer (Class 350) w/Class "D" Embedment	82	LF	\$35.00	\$2,870.00
4	4' Dia. Manholes w/Ring & Cover (includes extra depth)	13	EA	\$1,600.00	\$20,800.00
5	Standard Cleanout	1	EA	\$1,600.00	\$1,600.00
6	Road Bore for 6" Sanitary Sewer w/12" Steel Encasement (Sch-40) (includes carrier pipe 6" D.I.P. Class 350 locking joints, gaskets & casing spacers)	60	LF	\$120.00	\$7,200.00
7	Highway Bore for 8" Sanitary Sewer w/14" Steel Encasement (Sch-40) (includes carrier pipe 8" D.I.P. Class 350 locking joints, gaskets & casing spacers)	303	LF	\$135.00	\$40,905.00
8	6" D.I.P. Sanitary Sewer (Class 350) w/12" Steel Encasement (Sch-40) (Includes locking joints, gaskets & casing spacers)	87	LF	\$70.00	\$6,090.00
9	4" PVC Sanitary Sewer Service Line (Sch-40) (long side)	9	EA	\$650.00	\$5,850.00
10	4" PVC Sanitary Sewer Service Line (Sch-40) (short side)	13	EA	\$350.00	\$4,550.00
11	Cement Stabilized Sand Backfill	386	LF	\$22.00	\$8,492.00
12	Concrete Pipes & Footing	3	EA	\$350.00	\$1,050.00
13	Trench Safety, Sheet piling & Shoring	3,525	LF	\$5.00	\$17,625.00
14	Traffic Control, Erosion Control & Seeding	1	LS	\$2,750.00	\$2,750.00

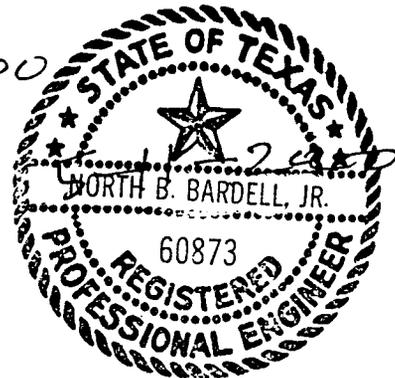
ESTIMATED CONSTRUCTION COST = \$184,606.00
 CONTINGENCIES = \$2,939.00
GRAND TOTAL = \$187,545.00

This engineer's estimate was prepared in our office, at the date shown, and is released for the purpose of public infrastructure cost projections.

North B. Bardell, Jr., 5-11-2000
 North B. Bardell, Jr., P.E. 60873 Date



MDG
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ENGINEER'S COST ESTIMATE

**South Hampton Subdivision, Phase One
SANITARY SEWER IMPROVEMENTS WITH OVERSIZE PARTICIPATION**

NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
1	6" PVC Sanitary Sewer (SDR-26, D3034) w/Class "D" Embedment	3,720	LF	\$17.00	\$63,240.00
2	6" D.I.P. Sanitary Sewer (Class 350)	72	LF	\$22.00	\$1,584.00
3	16" D.I.P. Sanitary Sewer (Class 350) w/Class "D" Embedment	82	LF	\$45.00	\$3,690.00
4	4' Dia. Manholes w/Ring & Cover (includes extra depth)	13	EA	\$1,600.00	\$20,800.00
5	Standard Cleanout	1	EA	\$1,600.00	\$1,600.00
6	Road Bore for 6" Sanitary Sewer w/12" Steel Encasement (Sch-40) (includes carrier pipe 6" D.I.P. Class 350 locking joints, gaskets & casing spacers)	60	LF	\$120.00	\$7,200.00
7	Highway Bore for 16" Sanitary Sewer w/24" Steel Encasement (Sch-40) (includes carrier pipe 16" D.I.P. Class 350 locking joints, gaskets & casing spacers)	303	LF	\$310.00	\$93,930.00
8	6" D.I.P. Sanitary Sewer (Class 350) w/12" Steel Encasement (Sch-40) (Includes locking joints, gaskets & casing spacers)	87	LF	\$70.00	\$6,090.00
9	4" PVC Sanitary Sewer Service Line (Sch-40) (long side)	9	EA	\$650.00	\$5,850.00
10	4" PVC Sanitary Sewer Service Line (Sch-40) (short side)	13	EA	\$350.00	\$4,550.00
11	Cement Stabilized Sand Backfill	386	LF	\$22.00	\$8,492.00
12	Concrete Pipes & Footing	3	EA	\$350.00	\$1,050.00
13	Trench Safety, Sheeting & Shoring	3,525	LF	\$5.00	\$17,625.00
14	Traffic Control, Erosion Control & Seeding	1	LS	\$2,750.00	\$2,750.00

ESTIMATED CONSTRUCTION COST = \$238,451.00

CONTINGENCIES = \$1,549.00

GRAND TOTAL = \$240,000.00

This engineer's estimate was prepared in our office, at the date shown, and is released for the purpose of public infrastructure cost projections.

North B. Bardell, Jr. 5-11-2000
 North B. Bardell, Jr., P.E. 60873 Date

