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I. Introduction.

The Summerville Community Development District (the District) was created for the purpose of financing and managing the acquisition, construction and maintenance of the infrastructure of Summerville Subdivision, a 47.88 gross acre residential development located in Southwest Miami-Dade County, Florida. The development offers townhouses and single family dwelling units and it is proposed to be constructed in two phases. Phase 1 is located east of SW 117 Avenue and measures approximately 31.08 acres; Phase 2 is located west of SW 117 Avenue and measures approximately 16.80 acres.

The infrastructure is a network of roadway, drainage, water and sanitary sewer systems that will give access and service to 111 townhouses 156 single family dwelling units.

It is estimated that the infrastructure will be constructed according to the following schedule:

Earthwork: Begin on 4th Quarter, 2004. End on 2nd Quarter, 2006. Sanitary Sewer System: Begin on 4th Quarter, 2004. End on 2nd Quarter, 2006. Water Distribution System: Begin on 4th Quarter, 2004. End on 2nd Quarter, 2006. Stormwater Management: Begin on 4th Quarter, 2004. End on 2nd Quarter, 2006. Roadway Improvements: Begin on 4th Quarter, 2004. End on 2nd Quarter, 2006.

II. District Description.

The District was established under Ordinance No. 04-147 of the Miami-Dade County Commission. The Ordinance was passed and adopted on July 27, 2004 and became effective ten days later, on August 6, 2004.

The District is located in Section 19, Township 56S, Range 40E and in Section 24, Township 56S, Range 39E in Miami-Dade County, Florida. It is bounded by theoretical SW 118 Place and SW 117 Avenue on the west, SW 116 Avenue and theoretical SW 114 Court on the east, SW 247 Street and theoretical SW 245 Street on the south and theoretical SW 244 Street, theoretical SW 242 Lane and SW 242 Street on the north. The development is located within Zip Code 33032.

III. Description of the Infrastructure.

1. Roadway Improvements.

A network of interior roads and driveways is proposed to provide circulation to the general public.

The development is accessed from SW 117 Avenue at the following points of entrance: SW 242 Street, SW 243 Street, SW 244 Street, SW 244 Lane, SW 245 Terrace, SW 246 Terrace and SW 247 Street. From these entrances a series of streets originate in order to provide access to the dwelling units. The interior streets consist of crowned and reversed crown sections with valley or curbed gutters and sidewalks on the sides. The typical section for all the interior streets consists of a 12 inch stabilized subgrade, an 8 inch limerock base and a 1 inch asphalt course.

All roads within this development will be accessible to the public.

2. Stormwater Management.

The stormwater management facilities consist of inlets, manholes, storm pipes and exfiltration trenches. The stormwater management system has been designed so that the storm runoff may be retained within the development at levels that provide flood protection for the road and residential dwelling units.

3. Water Distribution System.

The water distribution system is composed of variable pipe sizes ranging from 6 to 16 inch diameters for water service and fire protection. The water distribution system will be connected to an existing 16 inch water main on SW 248 Street. The existing facilities are owned by the Miami-Dade County Water and Sewer Department (WASD).

When completed, the water distribution system will be donated to WASD for operation and maintenance. In the case where water mains are constructed outside of County Right of Ways, a twelve foot easement encompassing such water mains will be granted to WASD for access and maintenance.

4. Sanitary Sewer System.

The sanitary sewer collection system consists of a combination of a gravity system and a lift station with a force main. The gravity system consists of pipes ranging in size from 6 to 10 inches in diameter. The lift station will discharge into a force main that measures between 8 and 24 inches in diameter. The force main will be connected to an existing force main owned by WASD at SW 248 Street and SW 113 Court.

When completed, the sanitary sewer collection system will be donated to WASD for operation and maintenance. In the case where sanitary sewers are constructed outside of County Right of Ways, a fifteen foot easement encompassing such sanitary sewers will be granted to WASD for access and maintenance.

IV. Ownership and Maintenance.

The District will finance the acquisition and/or construction of the improvements. It will then transfer the land and improvements to the following agencies for ownership and maintenance:

Description	Future Ownership	Future Maintenance
County Roads	Miami-Dade County	Miami-Dade County
CDD Roads (Alleys)	Miami-Dade County	Miami-Dade County
Stormwater Management:	-	-
a. County Road Drainage System	Miami-Dade County	Miami-Dade County
b. Green Tracts	Summerville CDD	Summerville CDD
	or a Special Taxing District	or a Special Taxing District
Water Distribution System	WASD	WASD
Sanitary Sewer System	WASD	WASD

V. Permitting Status.

1. Platting.

Tentative Plat No. T-21488 (Phase 1); Tentative Plat No. T-21634

2. Roadway, Paving, Grading and Drainage Permits.

Phase 1: Approval by Miami-Dade County Public Works Department, Paving, Grading and Drainage and Traffic on February 17 and 18, 2004. Permit Number T-21488. Phase 2: Pending.

3. Stormwater Management System

Phase 1: Approval by Miami-Dade County Department of Environmental Resources Management (DERM) on January 7, 2004. Permit Number 13-02211-P.

Phase 2: Approval by Miami-Dade County Department of Environmental Resources Management (DERM) on January 7, 2004. Permit Number 13-02211-P.

4. Water Distribution System

Phase 1: Approval by WASD on December 2 7, 2003. Permit Number DW2003-208. Approval by Miami-Dade County Fire Department on December 17, 2003. Permit Number 03340-00292. Approval by Miami-Dade Department of Health on January 8, 2204. Permit Number 216896-137-DSGP. Phase 2: Approval by Miami-Dade Department of Health on May 6, 2204. Permit Number 216896-270-DSGP.

5. Sanitary Sewer System.

Phase 1: Approval by WASD on December 2, 2003. Permit Number DS2003-629. Approval by DERM Sewerage Facilities on January 4, 2004. Permit Number SE2003-196. Phase 2: Pending.

VI. Estimate of Capital Improvement Costs.

Phase 1:	
Roadway Improvements	\$ 1,892,624.28
Stormwater Management	\$ 664,260.31
Water Distribution System	\$ 672,760.22
Sanitary Sewer System	\$ 611,078.56
Sub-Total	\$ 3,840,723.37
Phase 2:	
Roadway Improvements	\$ 916,688.19
Stormwater Management	\$ 252,610.42
Water Distribution System	\$ 241,767,72
Sanitary Sewer System	\$ 1,093,477.83
Sub-Total	\$ 2,504,544.16
Total Phase 1 and Phase 2	\$ 6,345,267.53

The costs of the infrastructure will be allocated to each residential unit within the development in the form of special assessments, in accordance with the approved methodology described in the "Special Assessment Methodology Report" prepared for Summerville Community Development District by Special District Services, Inc.

VII. Engineer's Certification.

It is our opinion that the extent of proposed improvements and their estimated costs are fair and reasonable. We believe that the improvements can be permitted, constructed and installed at the costs described in this report.

I hereby certify that the foregoing is a true and correct copy of the Engineer's Report for the Summerville Community Development District.

Juan R. Alvarez, PE Florida Registration No. 38522 Alvarez Engineers, Inc. November 16, 2004.

TABLES AND EXHIBITS

SUMMER	SUMMERVILLE SUBDIVISION (PHASE 1)				
Con	struction Cost Estimates	5			
	Summary Table				
Description of Work (\$)					
Infrastructure Component					
Roadway Improvements	Table 2	1,892,624.28			
Stormwater Management	Table 3	664,260.31			
Water Distribution System	Table 4 Table 5	672,760.22			
Sanitary Sewer System		611,078.56			
Total		\$3,840,723.37			
	Table 1 of 5				

SUMMERVILLE SUBDIVISION CDD (PHASE 1) Construction Cost Estimates

Roadway Improvements

Roadway improvements				
Description of Work	Quantity	Unit	Price (\$/Unit)	Estimated Cost (\$)
Mobilization	1.00	LS	50,000.00	50,000.00
Clearing & Grubbing (Road R/W's)	16.29	AC	1,775.00	28,911.45
Demuck (Road R/W's)	13,139	CY	2.00	26,278.20
Import Fill	46,118	TN	6.00	276,709.45
Grading (Road R/W's)	16.29	AC	10,000.00	162,881.40
12" Subgrade (Public Roads)	38,718	SY	1.00	38,718.12
8" Baserock	38,718	SY	5.75	222,629.19
6" Baserock (CB Aprons)	1,078	SY	5.50	5,929.00
1" Asphaltic Concrete (Aprons)	1,078	SY	4.00	4,312.00
1" A.C.S.C.	29,282	SY	4.50	131,768.60
2" A.C.S.C.	9,436	SY	6.00	56,617.26
4" Concrete Sidewalk	8,743	SY	18.75	163,933.09
Curb & Gutter	14,397	LF	8.75	125,977.83
Valley Gutter	8,069	LF	8.50	68,583.87
Finish Soil layer (swales)	31,373	SY	0.75	23,530.04
Sod (swales)	31,373	SY	2.50	78,433.46
Guardrail	65	LF	27.50	1,787.50
Signing and Pavement Marking	16.29	AC	5,500.00	89,584.77
Surveying and As-Builts	4%	LS	1,174,686.11	46,987.44
Maintenance of Traffic	1	LS	15,000.00	15,000.00
Densities	50	EA	60.00	3,000.00
Permits	1	LS	10,000.00	10,000.00
Soft Costs (Eng and Prof. Fees)	6%	LS	1,631,572.65	97,894.36
Contingency	10%	LS	1,631,572.65	163,157.27
Total				\$1,892,624.28
iulai	Table 2 of	-		φ1,032,024.20

SUMMERVILLE SUBDIVISION CDD (PHASE 1) Construction Cost Estimates

Stormwater Management

51	Stormwater Management				
Description of Work	Quantity	Unit	Price (\$/Unit)	Estimated Cost (\$)	
Mobilization	1.00	LS	25,000.00	25,000.00	
12" HDPE	820	LF	15.00	12,300.00	
15" HDPE	720	LF	17.50	12,600.00	
18" HDPE	421	LF	20.00	8,420.00	
18" CAP	991	LF	22.50	22,297.50	
24" CAP	40	LF	25.00	1,000.00	
Exfiltration Trench W/15" HDPE	3,045	LF	55.00	167,475.00	
Exfiltration Trench W/24" HDPE	50	LF	65.00	3,250.00	
Exfiltration Trench W/24" CAP	800	LF	67.50	54,000.00	
Inlet W/P Box & Swale Inlets	113	EA	1,275.00	144,075.00	
Inlet W/J Box	4	EA	2,000.00	8,000.00	
Inlet, Type P-5	9	EA	2,250.00	20,250.00	
Inlet, Type J-5	1	EA	2,750.00	2,750.00	
Inlet, Type J-6	7	EA	3,000.00	21,000.00	
CB Grates & MH Rings	134	EA	150.00	20,100.00	
Baffle	120	EA	150.00	18,000.00	
Surveying and As-Builts	4%	LS	515,517.50	20,620.70	
Densities	25	EA	60.00	1,500.00	
Permits	1	LS	10,000.00	10,000.00	
Soft Costs (Eng and Prof. Fees)	6%	LS	572,638.20	34,358.29	
Contingency	10%	LS	572,638.20	57,263.82	
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Total	Table 3 of			\$664,260.31	

SUMMERVILLE SUBDIVISION CDD (PHASE 1) Construction Cost Estimates

Water Distribution System

Water Distribution System				
Description of Work	Quantity	Unit	Price (\$/Unit)	Estimated Cost (\$)
16" x 16" Tapping Sleeve & Tapping Valve	1	LS	11,000.00	11,000.00
6" D.I.P. (Assumed 25'/FH Branch)	350	LF	22.50	7,875.00
8" D.I.P.	7,986	LF	25.00	199,650.00
16" D.I.P.	1,997	LF	50.00	99,850.00
6" Gate Valve & Box	14	EA	750.00	10,500.00
8" Gate Valve & Box	35	EA	1,000.00	35,000.00
16" Butterfly Valve & Box	7	EA	4,500.00	31,500.00
Fire Hydrants	14	EA	1,800.00	25,200.00
8" x 6" Tee	14	EA	275.00	3,850.00
8" Tee	11	EA	300.00	3,300.00
8" x 45 [°] Bend (Restrained)	51	EA	275.00	14,025.00
8" x 90° Bend	5	EA	250.00	1,250.00
8" Cross	2	EA	325.00	650.00
16"/8" Tee & Cross	6	EA	1,200.00	7,200.00
8" x 2" CAP W/ 2" F.V.O.	2	EA	750.00	1,500.00
16" x 2" CAP W/ 2" F.V.O.	2	EA	1,050.00	2,100.00
1" Single Service	47	EA	700.00	32,900.00
1" Dual Service	74	EA	750.00	55,500.00
Surveying & As-Builts	4%	LS	542,850.00	21,714.00
Miscellaneous	1	LS	5,000.00	5,000.00
Maintenance of Traffic	1	LS	10,000.00	10,000.00
Densities	25	EA	60.00	1,500.00
Chlorinating & Testing	10,333	LF	1.55	16,016.15
Permit	1	LS	10,000.00	10,000.00
Soft Costs (Eng and Prof. Fees)	6%	LS	607,080.15	36,424.81
Contingency	10%	LS	607,080.15	60,708.02
WASD Oversizing Credit for 16" DIP	1,997	LF	15.75	(31,452.75)
Total	Table 4 of			\$672,760.22

SUMMERVILLE SUBDIVISION CDD (PHASE 1)						
Constru	uction Cost	Estir	nates			
Sani	Sanitary Sewer System					
Description of Work	Quantity	Unit	Price (\$/Unit)	Estimated Cost (\$)		
Gravity System						
Connect to Existing MH	1	EA	1,750.00	1,750.00		
8" PVC (0'-6')	3,028	LF	25.00	75,700.00		
8" PVC (6'-8')	1,305	LF	30.00	39,150.00		
8" PVC (8'-10')	165	LF	35.00	5,775.00		
10" PVC (0'-6')	550	LF	45.00	24,750.00		
10" PVC (6'-8')	827	LF	52.50	43,417.50		
10" DIP (8'-10')	425	LF	87.50	37,187.50		
8" DIP (0'-6')	1,406	LF	25.00	35,150.00		
MH (0'-6')	26	EA	1,250.00	32,500.00		
MH (6'-8')	12	EA	1,500.00	18,000.00		
MH (8'-10')	2	EA	1,750.00	3,500.00		
MH Inverts & Ring	40	EA	175.00	7,000.00		
6" PVC Lateral (SS1.0)	100	EA	550.00	55,000.00		
6" PVC Lateral (SS2.0)	37	EA	550.00	20,350.00		
MH Connection	21	EA	475.00	9,975.00		
Surveying & As-Builts	4%	LS	409,205.00	16,368.20		
Gravel # 57	2,136	TN	10.25	21,896.95		
Miscellaneous	1	LS	5,000.00	5,000.00		
Maintenance of Traffic	1	LS	10,000.00	10,000.00		
Densities	25	EA	60.00	1,500.00		
Cleaning & Testing	7,706	LF	1.75	13,485.50		
Permit	1	LS	10,000.00	10,000.00		
Soft Costs (Eng and Prof. Fees)	6%	LS	487,455.65	29,247.34		
Contingency	10%	LS	487,455.65	48,745.57		
Subtotal Gravity System	1070	10	407,400.00	\$565,448.56		
Subtotal Gravity System				\$303, 11 0.30		
Force Main						
8" DIP (Polybond)	78	LF	27.50	2,145.00		
12" DIP (Polybond)	1,082	LF	40.00	43,280.00		
8" Plug Valve	1	EA	3,500.00	3,500.00		
8" Check Valve	1	EA	2,000.00	2,000.00		
12" Plug Valve	1	EA	2,500.00	2,500.00		
Valve Manhole	1	EA	1,250.00	1,250.00		
12"/8" Tee	1	EA	1,250.00	1,250.00		
12" Plug	1	EA	250.00	250.00		
Surveying & As-Builts	4%	LS	56,175.00	2,247.00		
Miscellaneous	4%	LS	2,500.00	2,247.00		
Miscellaneous Maintenance of Traffic	1	LS	10,000.00	2,500.00		
Densities	10	EA	60.00	600.00		
Cleaning & Testing	1,160	LF	1.75	2,030.00		
Permit	1,160					
	6%	LS	10,000.00	10,000.00		
Soft Costs (Eng and Prof. Fees)		LS	83,552.00	5,013.12		
Contingency	10%	LS	83,552.00	8,355.20		
Subtotal Force Main	4 400		7 5 ^	\$56,175.00		
WASD Oversizing Credit for 12" DIP Force Main	1,406	LF	7.50	(10,545.00)		
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Total	Table 5 of	_		\$611,078.56		

Description of work (\$) Infrastructure Component (\$) Roadway Improvements Table 2 Stormwater Management Table 3 Water Distribution System Table 4 Sanitary Sewer System Table 5 Infrastructure Component 1,093,47	SUMMERVILLE SUBDIVISION (PHASE 2)				
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Description of work (\$) Infrastructure Component (\$) Roadway Improvements Table 2 Stormwater Management Table 3 Water Distribution System Table 4 Sanitary Sewer System Table 5 Infrastructure Component 1,093,47		Summary Table			
Roadway ImprovementsTable 2916,68Stormwater ManagementTable 3252,67Water Distribution SystemTable 4241,76Sanitary Sewer SystemTable 51,093,47	Description	of Work	Total Estimated Cost (\$)		
Roadway ImprovementsTable 2916,68Stormwater ManagementTable 3252,67Water Distribution SystemTable 4241,76Sanitary Sewer SystemTable 51,093,47	Infrastructure Component				
Water Distribution System Table 4 241,76 Sanitary Sewer System Table 5 1,093,47	Roadway Improvements	Table 2	916,688.19		
Sanitary Sewer System Table 5 1,093,47		Table 3	252,610.42		
			241,767.72		
Total \$2,504,54 Image: Sector S	Sanitary Sewer System	Table 5	1,093,477.83		
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SUMMERVILLE SUBDIVISION CDD (PHASE 2) Construction Cost Estimates

Roadway Improvements

	Roadway improvements				
Description of Work	Quantity	Unit	Price (\$/Unit)	Estimated Cost (\$)	
Mobilization	1.00	LS	50,000.00	50,000.00	
Clearing & Grubbing (Road R/W's)	8.45	AC	1,775.00	14,991.08	
Demuck (Road R/W's)	6,813	CY	2.00	13,625.70	
Import Fill	23,913	ΤN	6.00	143,478.61	
Grading (Road R/W's)	8.45	AC	10,000.00	84,456.81	
12" Subgrade (Public Roads)	13,175	SY	1.00	13,174.63	
8" Baserock	13,175	SY	5.75	75,754.14	
6" Baserock (CB Aprons)	583	SY	5.50	3,206.50	
1" Asphaltic Concrete (Aprons)	583	SY	4.00	2,332.00	
1" A.C.S.C.	13,175	SY	4.50	59,285.85	
4" Concrete Sidewalk	4,790	SY	18.75	89,806.43	
Curb & Gutter	2,582	LF	8.75	22,595.72	
Valley Gutter	6,082	LF	8.50	51,694.18	
Finish Soil layer (swales)	22,913	SY	0.75	17,184.59	
Sod (swales)	22,913	SY	2.50	57,281.97	
Signing and Pavement Marking	8.45	AC	5,500.00	46,451.25	
Surveying and As-Builts	4%	LS	523,224.08	20,928.96	
Maintenance of Traffic	1	LS	15,000.00	15,000.00	
Densities	25	EA	60.00	1,500.00	
Permits	1	LS	7,500.00	7,500.00	
Soft Costs (Eng and Prof. Fees)	6%	LS	790,248.44	47,414.91	
Contingency	10%	LS	790,248.44	79,024.84	
Total	Table 2 of			\$916,688.19	

SUMMERVILLE SUBDIVISION CDD (PHASE 2) Construction Cost Estimates

Stormwater Management

Stormwater Management					
Description of Work	Quantity	Unit	Price (\$/Unit)	Estimated Cost (\$)	
Mobilization	1.00	LS	25,000.00	25,000.00	
12" HDPE	30	LF	15.00	450.00	
15" HDPE	36	LF	17.50	630.00	
Exfiltration Trench W/15" HDPE	1,652	LF	55.00	90,860.00	
Inlet W/P Box & Swale Inlets	53	EA	1,275.00	67,575.00	
Inlet W/J Box	1	EA	2,000.00	2,000.00	
CB Grates & MH Rings	54	EA	150.00	8,100.00	
Baffle	53	EA	150.00	7,950.00	
Surveying and As-Builts	4%	LS	177,565.00	7,102.60	
Densities	10	EA	60.00	600.00	
Permits	1	LS	7,500.00	7,500.00	
Soft Costs (Eng and Prof. Fees)	6%	LS	217,767.60	13,066.06	
Contingency	10%	LS	217,767.60	21,776.76	
Total				\$252,610.42	

SUMMERVILLE SUBDIVISION CDD (PHASE 2) Construction Cost Estimates

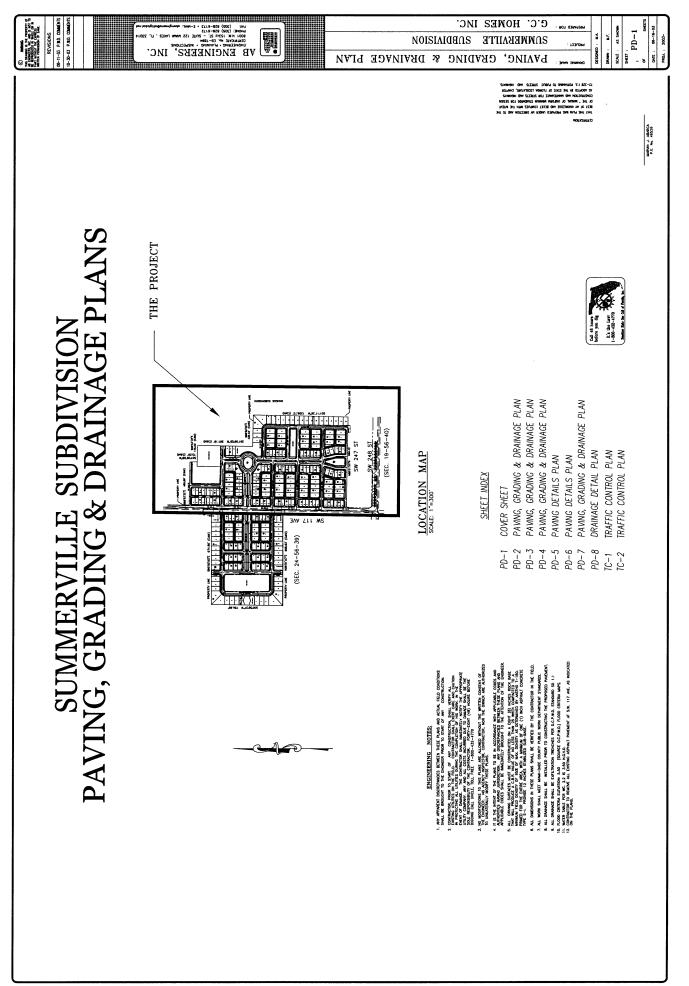
Water Distribution System

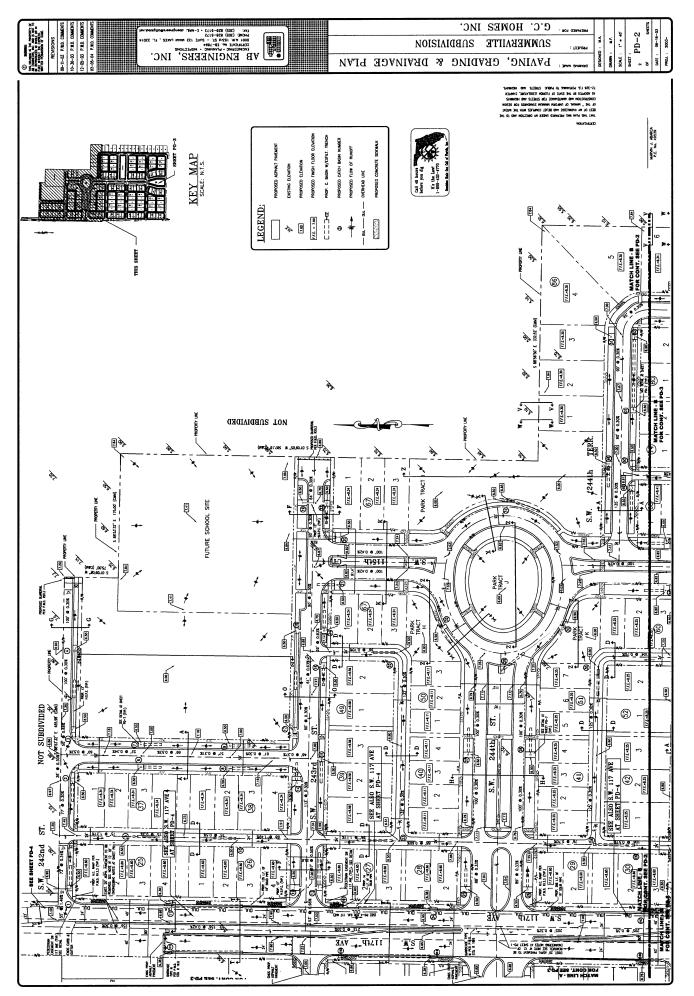
Water Distribution System						
Description of Work	Quantity	Unit	Price (\$/Unit)	Estimated Cost (\$)		
16" x 8" Tapping Sleeve & Tapping Valve	1	LS	5,500.00	5,500.00		
6" D.I.P. (Assumed 25'/FH Branch)	200	LF	22.50	4,500.00		
8" D.I.P.	3,359	LF	25.00	83,975.00		
6" Gate Valve & Box	8	EA	750.00	6,000.00		
8" Gate Valve & Box	10	EA	1,000.00	10,000.00		
Fire Hydrants	8	EA	1,800.00	14,400.00		
8" x 6" Tee	8	EA	275.00	2,200.00		
8" Tee	10	EA	300.00	3,000.00		
8" x 45 [°] Bend (Restrained)	16	EA	275.00	4,400.00		
8" x 90° Bend	5	EA	250.00	1,250.00		
8" Cross	5	EA	325.00	1,625.00		
8" x 2" CAP W/ 2" F.V.O.	1	EA	750.00	750.00		
1" Single Service	35	EA	700.00	24,500.00		
1" Dual Service	24	EA	750.00	18,000.00		
Surveying & As-Builts	4%	LS	180,100.00	7,204.00		
Miscellaneous	1	LS	2,500.00	2,500.00		
Maintenance of Traffic	1	LS	5,000.00	5,000.00		
Densities	10	EA	60.00	600.00		
Chlorinating & Testing	3,559	LF	1.55	5,516.45		
Permit	1	LS	7,500.00	7,500.00		
Soft Costs (Eng and Prof. Fees)	6%	LS	208,420.45	12,505.23		
Contingency	10%	LS	208,420.45	20,842.05		
Total				\$241,767.72		

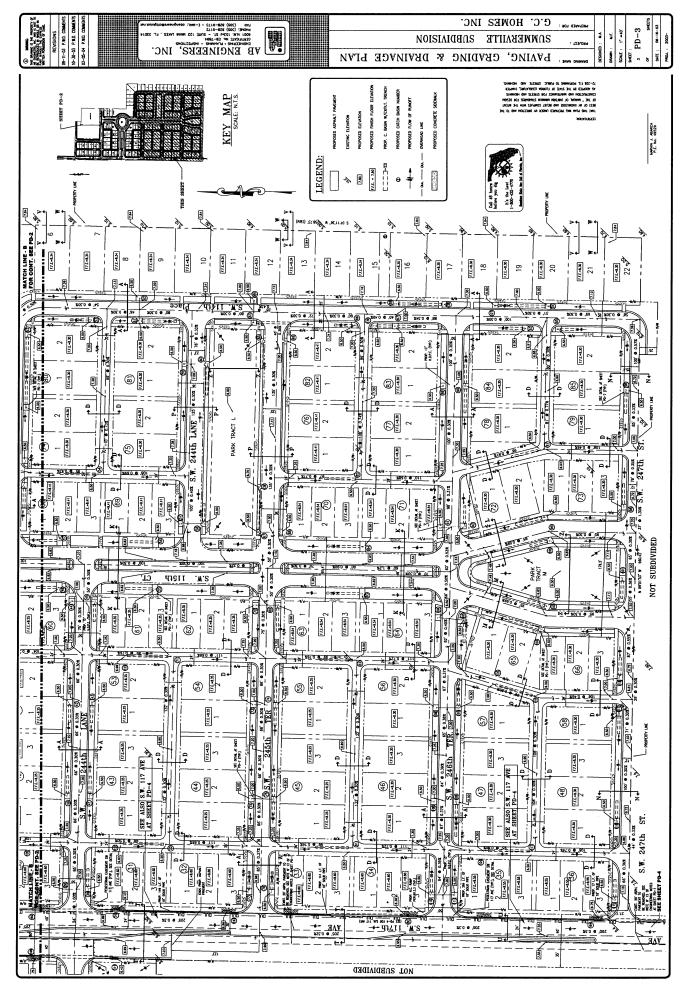
SUMMERVILLE SUBDIVISION CDD (PHASE 2) Construction Cost Estimates

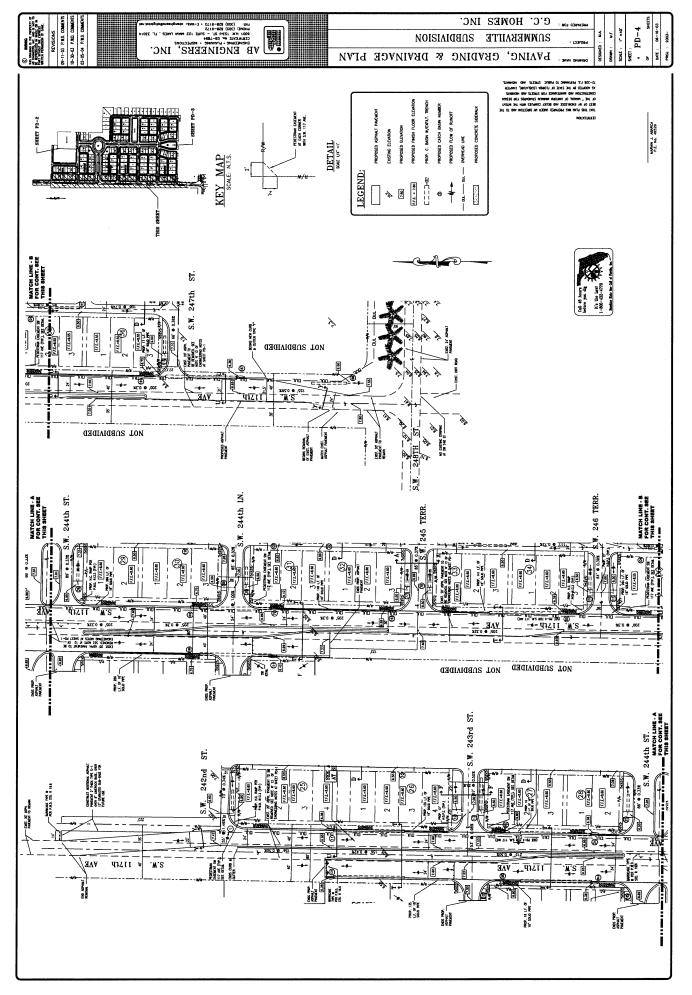
Sanitary	Sewer S	System
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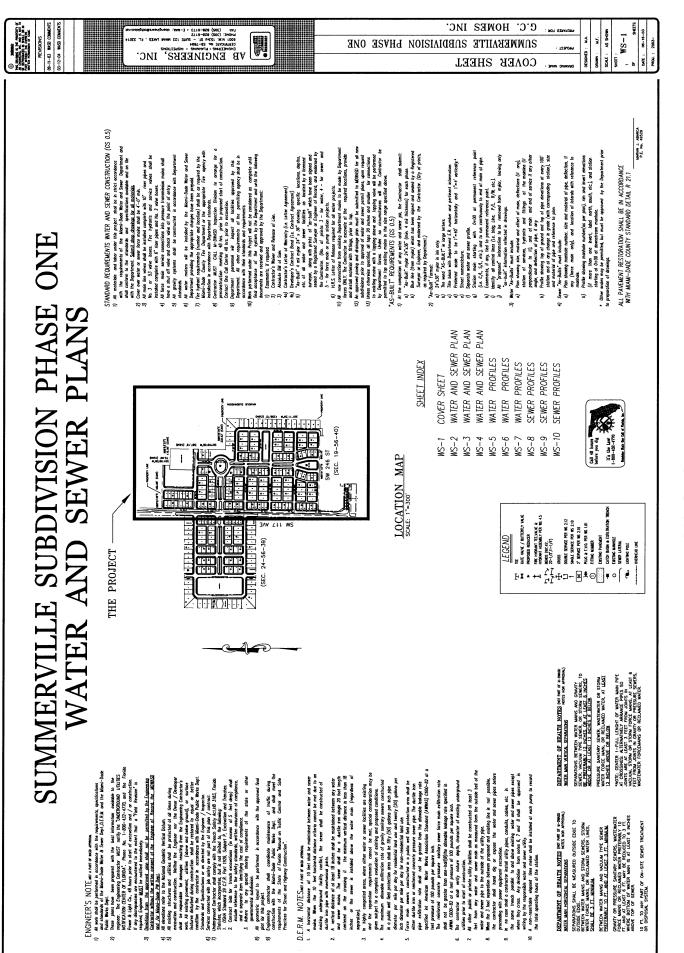
			Price	Estimated Cost
Description of Work	Quantity	Unit	(\$/Unit)	(\$)
Gravity System				
8" PVC (0'-6')	1,259	LF	25.00	31,475.00
8" DIP (14'-16')	742	LF	85.00	63,070.00
8" DIP (16'-18')	1,389	LF	95.00	131,955.00
10" PVC (16'-18')	238	LF	65.00	15,470.00
12" DIP (16'-18')	35	LF	100.00	3,500.00
MH (0'-6')	10	EA	1,250.00	12,500.00
MH (14'-16')	1	EA	3,000.00	3,000.00
MH (14'-16') Drop	4	EA	3,500.00	14,000.00
MH (16'-18')	8	EA	3,500.00	28,000.00
MH (16'-18') Drop	2	EA	4,000.00	8,000.00
MH (18'-20')	1	EA	4,000.00	4,000.00
MH Inverts & Ring	26	EA	175.00	4,550.00
6" PVC Lateral (SS1.0)	83	EA	550.00	45,650.00
MH Connection	52	EA	475.00	24,700.00
Surveying & As-Builts	4%	LS	389,870.00	15,594.80
Gravel # 57	2,670	TN	10.25	27,371.19
Miscellaneous	1	LS	2,500.00	2,500.00
Maintenance of Traffic	1	LS	7,500.00	7,500.00
Densities	10	EA	60.00	600.00
Cleaning & Testing	3,663	LF	1.75	6,410.25
Permit	1	LS	7,500.00	7,500.00
Soft Costs (Eng and Prof. Fees)	6%	LS	457,346.24	27,440.77
Contingency	10%	LS	457,346.24	45,734.62
Subtotal Gravity System	1076	L3	457,540.24	\$530,521.64
Force Main				\$330,321.04
8" DIP (Polybond)	1,212	LF	27.50	33,330.00
24" DIP (Polybond)	1,847	LF	75.00	138,525.00
8" Plug Valve	1,047	EA	3,500.00	3,500.00
8" Check Valve	1	EA	2,000.00	2,000.00
24" Plug Valve	1	EA	12,500.00	12,500.00
Valve Manhole	1	EA	1,250.00	1,250.00
24"/12" Tee	1	EA	1,250.00	1,250.00
24"X45 [°] Bend	10	EA	2,000.00	20,000.00
24 X45 Bend 24"X90 ⁰ Bend	2	EA	2,000.00	4,000.00
Air Release Valve	2	EA	1,250.00	2,500.00
Lift Station	1	EA	225,000.00	225,000.00
Generator Building	1		50,000.00	50,000.00
Surveying & As-Builts	4%	EA LS	493,855.00	19,754.20
Miscellaneous	4%	LS	2,500.00	2,500.00
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Maintenance of Traffic	1	LS	10,000.00	10,000.00
Densities		EA	60.00	600.00
Cleaning & Testing	3,059	LF	1.75	5,353.25
Permit	1	LS	10,000.00	10,000.00
Soft Costs (Eng and Prof. Fees)	6%	LS	542,062.45	32,523.75
Contingency	10%	LS	542,062.45	54,206.25
Subtotal Force Main				\$628,792.44
WASD Oversizing Credit for 24" Force Main	1,847	LF	33.75	(62,336.25
WASD Oversizing Credit for 24" Plug Valve	1	LF	3,500.00	(3,500.00
Total				\$1,093,477.83











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