

Approved
01/23/2024
AT

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By Denise Elliott at 12:22 pm, Jan 22, 2024

DAVID BOULEVARD APARTMENTS
CHARLOTTE COUNTY, FLORIDA
ENGINEER'S ESTIMATE OF PROBABLE UTILITY CONSTRUCTION COSTS
CCU PROJECT #: 22-1072
BE PROJECT #: 45855

UTILITIES SUMMARY	
POTABLE WATER	\$242,949
WASTEWATER	\$882,998
RECLAIMED WATER	\$0
CCU COST SHARE	\$100,000
CCU OWNED TOTAL	\$1,125,947
PRIVATELY OWNED TOTAL	\$19,150
UTILITIES TOTAL	\$1,145,096.50
CCU'S INSPECTION TOTAL (5% construction cost)	\$57,254.83



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REBOL, P.E. ON THE DATE
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by CLAYTON W
REBOL
Date: 2024.01.19
15:46:41 -05'00'

Clayton W. Rebol, P.E.
FL. LIC. #70173
1/19/2024

DAVID BOULEVARD APARTMENTS

POTABLE WATER				
CCU OWNED				
DESCRIPTION	QUANTITY	LF	UNIT COST	TOTAL
6" DR-18 C900 PVC Potable Watermain	1214	LF	\$32.00	\$38,848.00
8" DR-18 C900 PVC Potable Watermain	2324	LF	\$42.00	\$97,608.00
Connect to Existing 6" WM	1	EA	\$1,500.00	\$1,500.00
6" Gate Valves	3	EA	\$2,100.00	\$6,300.00
8" Gate Valves	2	EA	\$2,400.00	\$4,800.00
6" x 6" TS & 6" Gate Valve	1	EA	\$3,750.00	\$3,750.00
12" x 8" TS & 8" Gate Valve	1	EA	\$5,525.00	\$5,525.00
Fire Hydrant Assembly	6	EA	\$5,500.00	\$33,000.00
2" Single Water Service w/Meter Install (ClubHouse)	1	EA	\$2,300.00	\$2,300.00
4" Double Water Service w/Meter Install (Residential Bulildings)	3	EA	\$3,750.00	\$11,250.00
3/4" Above Ground Meter & BFP (Maintenance Building)	1	EA	\$1,100.00	\$1,100.00
3/4" Above Ground Meter & BFP (Pool Backside Sink)	1	EA	\$1,100.00	\$1,100.00
3/4" Above Ground Meter & BFP (Compactor)	1	EA	\$1,100.00	\$1,100.00
3/4" Above Ground Meter & BFP (Lift Station)	1	EA	\$1,100.00	\$1,100.00
4" Double Fire Service Install (Residential Buildings)	3	EA	\$4,200.00	\$12,600.00
4" Double Fire Service Install (Clubhouse)	1	EA	\$3,700.00	\$3,700.00
Connect to Existing 12" WM	1	EA	\$3,500.00	\$3,500.00
Connect to Existing 8" WM	1	EA	\$2,850.00	\$2,850.00
Fittings	1265	LBS	\$6.50	\$8,222.50
All Locator Balls and Marking Tape	86	EA	\$32.50	\$2,795.00
CCU OWNED POTABLE WATER TOTAL				\$242,948.50
WASTEWATER				
CCU OWNED				
DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
8" Sewer, SDR 26 (0' - 6')	280	LF	\$45.00	\$12,600.00
8" Sewer, SDR 26 (6' - 8')	306	LF	\$50.00	\$15,300.00
8" Sewer, SDR 26 (8' - 10')	561	LF	\$55.00	\$30,855.00
8" Sewer, SDR 26 (10' - 12')	397	LF	\$68.00	\$26,996.00
8" Sewer, SDR 26 (12'-14')	586	LF	\$86.00	\$50,396.00
8" Sewer, SDR 26 (14'-16')	310	LF	\$103.00	\$31,930.00
Sanitary Sewer Manhole (0' - 6')	2	EA	\$10,000.00	\$20,000.00
Sanitary Sewer Manhole (6' - 8')	4	EA	\$11,700.00	\$46,800.00
Sanitary Sewer Manhole (8' -10')	2	EA	\$13,500.00	\$27,000.00
Sanitary Sewer Manhole (10'-12')	2	EA	\$15,000.00	\$30,000.00
Sanitary Sewer Manhole (12'-14')	3	EA	\$16,500.00	\$49,500.00
Sanitary Sewer Manhole (14'-16')	1	EA	\$18,500.00	\$18,500.00
Single Sanitary Service (Residential Buildings)	6	EA	\$1,500.00	\$9,000.00
Single Sanitary Sewer Service (Clubhouse)	1	EA	\$1,600.00	\$1,600.00
Single Sanitary Sewer Service (Maintenance Building)	1	EA	\$1,100.00	\$1,100.00
4" DR-18 C900 PVC Force main	5	LF	\$22.00	\$110.00
8" DR-18 C900 PVC Force main	1198	LF	\$42.00	\$50,316.00
8" Plug Valve	1	EA	\$2,650.00	\$2,650.00
Ductile Iron Fittings	4650	LBS	\$6.20	\$28,830.00
Lift station (8' Dia.)	1	EA	\$425,000.00	\$425,000.00
Tie Into Existing 4"Main	1	EA	\$2,500.00	\$2,500.00
All Locator Balls and Marking Tape	62	EA	\$32.50	\$2,015.00
CCU OWNED WASTEWATER TOTAL				\$882,998.00
RECLAIMED WATER				

CCU OWNED				
DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
	0	EA	\$0.00	\$0.00
CCU OWNED RECLAIMED WATER TOTAL				\$0.00

POTABLE WATER				
PRIVATELY OWNED				
DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1" Clubhouse BFP	1	EA	\$1,300.00	\$1,300.00
3/4" BFP (Maintenance Building, Pool Sink, Compactor)	3	EA	\$250.00	\$750.00
Residential 3" BFP	6	EA	\$2,850.00	\$17,100.00
PRIVATELY OWNED POTABLE WATER TOTAL				\$19,150.00

RECLAIMED WATER				
PRIVATELY OWNED				
DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
	0	EA	\$0.00	\$0.00
PRIVATELY OWNED RECLAIMED WATER TOTAL				\$0.00

Cost Share								
Location	Utility	Design Requirements	CCU Requirements	Unit	Design Cost	Base Design Cost	CCU Upsize Cost	CCU Cost Share
Lift Station	6' LS Invert -5.53' (14.03' Deep LS)	1	0	EA	\$100,000.00	\$100,000.00	\$0.00	\$0.00
	15 hp Pump and Equipment	1	0	EA	\$10,000.00	\$10,000.00	\$0.00	\$0.00
	8' LS Invert -7.30 (15.8' Deep LS)	0	1	EA	\$175,000.00	\$0.00	\$175,000.00	\$0.00
	34 hp Pump and Equipment	0	1	EA	\$35,000.00	\$0.00	\$35,000.00	\$0.00
Total						\$110,000.00	\$210,000.00	\$100,000.00
						CCU Cost Share Total		\$100,000.00

Note: Pipe Upsizing

List the LF pipe requiring upsizing
insert cost difference between design pipe size unit price and upsized unit price

Required servicing extensions

List the LF pipe required to service any offsite parcels
insert unit price for that pipe size