

### Engineer's Summary of Infrastructure Cost

Name of Project: Proposed 8" Waterline & 10" Sanitary Sewer along League City Parkway and Calder Road

Owner of Project: United S & S Group LLC / Sadruddin Ali

Owner's Address: United S & S Group LLC

4622 Rockton Hills Ln

Sugar Land, TX 77479

General description of infrastructure improvements: 8" Waterline & 10" Sanitary Sewer along League City Parkway and Calder Road

Date of Construction Completion: May 3<sup>rd</sup>, 2016

#### Summary of Costs:

##### Municipal Water System:

Engineering Service: \$28,000

Construction: \$219,262.50

##### Municipal Wastewater System:

Engineering Service: \$22,000

Construction: \$155,737.50

##### Municipal Storm Sewer and Drainage System:

Engineering Service: \_\_\_\_\_

Construction: \_\_\_\_\_

##### Municipal Street Improvements:

Engineering Service: \_\_\_\_\_

Construction: \_\_\_\_\_

##### Private Street Improvement:

Engineering Service: \_\_\_\_\_

Construction: \_\_\_\_\_

##### Private Drainage Improvements:

Engineering Service: \_\_\_\_\_

Construction: \_\_\_\_\_

I certify that to the best of my knowledge the above information represents the final costs of Infrastructure improvements within the project

Signature and Title: Rana Mahmood, P.E. / PROTECT ENGINEER

Date: 05/11/16

Attachments: spread sheet of final unit quantities and unit costs of construction



# CONTRACTOR'S COST

8" Waterline & 10" Sanitary Sewer Along League City Parkway & Calder Rd

## Bid Form

Item	Description	Quantity	Unit	Unit Cost	Item Total
	Unit A: Site Preparation				\$ 34000.00
	Unit B: Water Distribution System				\$ 191810.00
	Unit C: Sanitary Collection System				\$ 128,285.00
	Unit D: Stormwater Pollution Control				\$ 20,905.00
	Total Bid				\$ 375,000.00

The work described above will be awarded under one contract. The undersigned agrees that the prices listed includes sufficient compensation for the completion of the work bid upon including all necessary site work hauling and other items of work incidental to the completion of the project.

In the event an extension error is made in computing the bid, the "unit cost" column will control.



**8" Waterline & 10" Sanitary Sewer Along League City Parkway & Calder Rd**

**Bid Form**

Item	Description	Quantity	Unit	Unit Cost	Item Total
<b><u>UNIT A: Site Preparation</u></b>					
1	Site Mobilization	1	LS	\$ _____ -	\$ <u>15,500.00</u>
2	Clearing & Grubbing. All cleared and grubbed material to become property of the contractor and disposed of offsite in a legal manner.	1.00	AC	\$ <u>5500.00</u>	\$ <u>5500.00</u>
3	Traffic Control Plan	1	LS	\$ _____ -	\$ <u>8000.00</u>
4	Utility construction staking to be performed by the contractor. Construction Control Staking will be in place prior to mobilization.	1	LS	\$ _____ -	\$ <u>5000.00</u>
<b>Total, Unit A</b>					\$ <u>34000.00</u>



## UNIT B: WATER DISTRIBUTION SYSTEM

1	PVC C900-DR18 (Class 150) Water line (all depths) (including bends, wyes, crosses, plugs, and clamps, reducers, tees, bedding, backfill and testing), complete in place.				
a.	8" Water line	2900	LF	\$ <u>34.00</u>	\$ <u>98600.00</u>
b.	8" Water line with 16" Steel Casing Installed by Boring	281	LF	\$ <u>40</u>	\$ <u>25290.00</u>
2	Fire Hydrants (including leads; all depths), complete in place	10	EA	\$ <u>3500</u>	\$ <u>35000</u>
3	Miscellaneous Items:				
a.	8" Wet Connection	1	EA	\$ <u>1000</u>	\$ <u>1000.00</u>
b.	8" Gate Valve w/Box	5	EA	\$ <u>1500</u>	\$ <u>7500.00</u>
c.	6" Gate Valve w/Box	10	EA	\$ <u>900</u>	\$ <u>9000.00</u>
d.	Trench Safety	2,900	LS	\$ <u>5.31</u>	\$ <u>15420.00</u>
Total, Unit B					\$ <u>191810.00</u>





# 8" Waterline & 10" Sanitary Sewer Along League City Parkwat & Calder Rd

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Item	Description	Quantity	Unit	Unit Cost	Item Total
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### UNIT C: SANITARY COLLECTION SYSTEM

1	PVC SDR 26 Sewer (depth class determined by avg depth of pipe segments between manholes): (including post installation cleaning and television inspection as per City of Houston specification 02631 - Gravity Sanitary Sewer, air testing, mandrel testing, bedding and backfill), complete in place.				
a.	10" Pipe (0' - 8' depth)	1,071	LF	\$ <u>50</u> -	\$ <u>53,550.00</u>
b.	10" Pipe Installed by Boring	347	LF	\$ <u>40</u> -	\$ <u>13,880.00</u>
2	Sanitary Sewer Manhole, complete in place	9	EA	\$ <u>5,500</u> -	\$ <u>49,500.00</u>
3	Miscellaneous Items:				
a.	Core drilled connection of Proposed 10" Sanitary Sewer to Existing manhole (including fittings, bedding & backfill & testing), complete in place.	1	EA	\$ <u>6,000</u> -	\$ <u>6,000.00</u>
b.	Sanitary Cleanout	0	EA	\$ <u>N/A</u> -	\$ <u>N/A</u> -
c.	Trench Safety System	1071	LF	\$ <u>5.00</u> -	\$ <u>5,355.00</u>

**TOTAL, UNIT C**

\$ 128,285.00

### UNIT D: Storm Water Pollution Control

1	Enforcement and Maintenance of TPDES requirements for Duration of Contract	1	LS	\$ <u>2,000</u> -	\$ <u>2,000.00</u> -
2	Inlet Protection Barrier - Stage 1	0	EA	\$ <u>N/A</u> -	\$ <u>N/A</u> -
3	Inlet Protection Barrier - Stage 2	0	EA	\$ <u>N/A</u> -	\$ <u>N/A</u> -
4	Reinforced Filter Fabric Fence	3,181	LF	\$ <u>5.00</u> -	\$ <u>15,905.00</u>
5	Hydro-Mulch Seeding of Reserves: Areas between back of Curb and R.O.W.	1.00	AC	\$ <u>3,000.00</u> -	\$ <u>3,000.00</u> -

**TOTAL, UNIT D**

\$ 20,905.00

