

HARRIS COUNTY
MUNICIPAL UTILITY DISTRICT NO. 501
WATER DISTRIBUTION, WASTEWATER COLLECTION AND
STORM WATER FACILITIES TO SERVE
TOWNE LAKE, SECTION THIRTEEN
UNIT BID TABULATION

ENGINEER'S ESTIMATE: \$749,815.00

BID DATE: December 16, 2009

ITEM	DESCRIPTION	QUANTITY	UNIT	C.E. BARKER, LTD.		JAHO, INC.		BAY UTILITIES, LLC		
				BIDDER NO. 1		BIDDER NO. 2		BIDDER NO. 3		
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	
<u>SITWORK</u>										
1.	Strip Proposed Detention Pond Site and All Areas to Receive Fill of all Organics and Deleterious Materials to a Minimum Depth of 4-Inches Below Natural Ground Prior to the Excavation, Placement and Grading of Any Fill Material (all strippings are to be evenly placed and graded on the filled and graded areas and on the bottom, side slopes and high banks of the proposed detention basin)	13	AC	\$561.00	\$7,293.00	\$1,391.00	\$18,083.00	\$600.00	\$7,800.00	
2.	Proof-Roll Test All Areas to Receive Fill Prior to the Placement and Grading of any Fill Material (proof roll test to be witnessed by a representative from the construction materials testing service provider or by a representative from the Engineer)	12.30	AC	\$112.20	\$1,380.06	\$535.00	\$6,580.50	\$500.00	\$6,150.00	
TOTAL SITWORK:						\$8,673.06		\$24,663.50		\$13,950.00
<u>DETENTION BASIN AND AMENITY POND EXCAVATION</u>										
1.	Detention Pond Excavation - On-Site Disposal; Contractor to Haul, Place, Grade and Compact Detention Pond Spoil to the Indicated Elevations on Spoil Site No. 1 and as Indicated on the Excavation and Spoil Plan Sheets in the Approved Construction Drawings (haul, place, grade and compact spoil/fill to the proposed grades in maximum 8-Inch lifts (loose measure) and compact to 95% SPD, +/-2% of Optimum Moisture)	2,000	CY	\$4.14	\$8,280.00	\$5.35	\$10,700.00	\$3.50	\$7,000.00	

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				BIDDER NO. 1		BIDDER NO. 2		BIDDER NO. 3	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
2.	Detention Pond Excavation - On-Site Disposal; Contractor to Haul, Place, Grade and Compact Detention Pond Spoil to the Indicated Elevations on Spoil Site No. 2 and as Indicated on the Excavation and Spoil Plan Sheets in the Approved Construction Drawings (haul, place, grade and compact spoil/fill to the proposed grades in maximum 8-Inch lifts (loose measure) and compact to 95% SPD, +/-2% of Optimum Moisture)	3,500	CY	\$4.26	\$14,910.00	\$5.35	\$18,725.00	\$3.50	\$12,250.00
3.	Amenity Pond Excavation - On-Site Disposal; Contractor to Haul, Place, Grade and Compact Amenity Pond Spoil to the Indicated Elevations on Spoil Site No. 3 and as Indicated on the Excavation and Spoil Plan Sheets in the Approved Construction Drawings (haul, place, grade and compact spoil/fill to the proposed grades in maximum 8-Inch lifts (loose measure) and compact to 95% SPD, +/-2% of Optimum Moisture)	5,500	CY	\$2.79	\$15,345.00	\$2.14	\$11,770.00	\$3.50	\$19,250.00
4.	Detention Pond Excavation - On-Site Disposal; Contractor to Haul, Place, Grade and Compact Detention Pond Spoil to the Indicated Elevations on Spoil Site No. 4 and as Indicated on the Excavation and Spoil Plan Sheets in the Approved Construction Drawings (haul, place, grade and compact spoil/fill to the proposed grades in maximum 8-Inch lifts (loose measure) and compact to 95% SPD, +/-2% of Optimum Moisture)	4,000	CY	\$3.70	\$14,800.00	\$5.35	\$21,400.00	\$3.50	\$14,000.00

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				BIDDER NO. 1		BIDDER NO. 2		BIDDER NO. 3	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
5.	Amenity Pond Excavation - On-Site Disposal; Contractor to Haul, Place, Grade and Stockpile Amenity Pond Spoil to the Indicated Elevations on Spoil Site Lots Stockpiles and as Indicated on the Excavation and Spoil Plan Sheets in the Approved Construction Drawings (haul, place, grade and compact spoil/fill to the proposed grades in maximum 8-Inch lifts (loose measure) and compact to 95% SPD, +/-2% of Optimum Moisture)	1,000	CY	\$2.36	\$2,360.00	\$2.14	\$2,140.00	\$4.70	\$4,700.00
6.	Detention Pond Excavation -On-Site Disposal; Contractor to Haul, Place, Grade and Stockpile Detention Pond Spoil to the Indicated Elevations on Spoil Site Lots Stockpiles and as Indicated on the Excavation and Spoil Plan Sheets in the Approved Construction Drawings (haul, place, grade and compact spoil/fill to the proposed grades in maximum 8-Inch lifts (loose measure) and compact to 95% SPD, +/-2% of Optimum Moisture)	2,000	CY	\$2.36	\$4,720.00	\$2.14	\$4,280.00	\$4.70	\$9,400.00
7.	Detention Pond Excavation - On-Site Disposal; Contractor to Haul, Place, Grade and Compact Detention Pond Spoil to the Indicated Elevations in Towne Lake, Section Four (Spoil Site No. 5) and on the Cul-De-Sac Lots North of Hamilton Hills Drive in Towne Lake, Section Four and as Indicated on the Excavation and Spoil Plan Sheets in the Approved Construction Drawings (haul, place, grade and compact spoil/fill to the proposed grades in maximum 8-Inch lifts (loose measure) and compact to 95% SPD, +/-2% of Optimum Moisture)	2,000	CY	\$6.02	\$12,040.00	\$5.35	\$10,700.00	\$5.90	\$11,800.00

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				BIDDER NO. 1		BIDDER NO. 2		BIDDER NO. 3	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
8.	Over Excavation for Installation of Clay Slope/Erosion Protection of Approved Clay and/or Silty Clay Material with a Minimum P.I. of 20 or More - Contractor to Haul, Place, Grade and Compact Amenity Pond Spoil as Indicated on the Detention Pond Cross Section Plan Sheets in the Approved Construction Drawings (haul, place, grade and compact spoil/fill to the proposed grades in maximum 8-inch lifts (loose measure) and compact to 95% SPD, +/-2% of optimum moisture; over excavation only)	4,000	CY	\$2.36	\$9,440.00	\$5.35	\$21,400.00	\$3.50	\$14,000.00
9.	Install, Place, Grade and Compact Clay Slope/Erosion Protection on Bottom and Side Slopes of Amenity Pond from Elevation 127.00 to Elevation 133.00 with a P.I. of 20 or More Using Approved Clay and/or Silty Clay Material Excavated from Detention Basin or Amenity Pond (clay slope/erosion protection material only)	4,000	CY	\$2.36	\$9,440.00	\$2.14	\$8,560.00	\$5.90	\$23,600.00
10.	Bulkhead with Concrete Caps (Complete in Place and Fully Finished and Functional, Including all Miscellaneous and Required Components and Appurtenances, per the Approved Construction Drawings and Details, General Notes, Contract Documents, General and Special Conditions; Technical Specifications, Addendum and Manufacturer's Specifications)	528	LF	\$239.81	\$126,619.68	\$205.44	\$108,472.32	\$220.00	\$116,160.00

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				BIDDER NO. 1		BIDDER NO. 2		BIDDER NO. 3	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
11.	Turf Establishment - Detention Basin Side Slopes, High Banks, Maintenance Berms, etc.; as per Harris County Flood Control District (HCFCD) Guidelines 10.3.2 in Accordance with HCFCD Standard Specification Section 02921 - "Turf Establishment"; Inclusive of Watering, Fertilizing, Mowing, Overseeding and Maintenance, Until a Full Stand of Bermuda Grass has been Established and all Governing Agencies have Inspected and Finally Accepted the Subject Project Into the One-Year Maintenance Period (only as directed and as authorized by the Engineer)	1	AC	\$2,122.82	\$2,122.82	\$1,863.94	\$1,863.94	\$2,000.00	\$2,000.00
12.	Lake Water Barricade and De-Watering of Lake Water from the Existing Lake Area Construction Zone as Required for All Phases of Bulkhead and Detention/Amenity Pond Excavation Construction by Means Other than an Earthen Cofferdam; Lake Water Barricade not to Exceed Elevation 138.10 (including, but not limited to, lake water barricade for proposed marina excavation and pumping of existing standing lake water from lake area construction zone and/or storm water run-off; installation and removal)	1	LS	\$172,744.47	\$172,744.47	\$174,882.94	\$174,882.94	\$180,000.00	\$180,000.00
13.	Pumping of Collection Storm Water Run-Off as Required During Proposed Detention Basin/Amenity Pond Construction and Discharge Into Existing Three-Four Pond (3,000 GPM minimum per pumping operation; one (1) day is defined as pumping out Storm Water Run-Off for one (1) continuous twelve (12) hour period with one (1) 3,000 GPM pump (min); only as directed and as authorized by the Engineer)	15	DAYS	\$897.60	\$13,464.00	\$695.50	\$10,432.50	\$1,200.00	\$18,000.00
14.	Well Point De-Watering for Groundwater Control for Proposed Marina Excavation Construction (minimum bid \$25.00/LF; only as approved and directed by the Engineer)	825	LF	\$25.00	\$20,625.00	\$25.00	\$20,625.00	\$25.00	\$20,625.00
TOTAL DETENTION BASIN AND AMENITY POND EXCAVATION:					\$426,910.97		\$425,951.70		\$452,785.00

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				BIDDER NO. 1 UNIT PRICE	AMOUNT	BIDDER NO. 2 UNIT PRICE	AMOUNT	BIDDER NO. 3 UNIT PRICE	AMOUNT
ALTERNATE BID ITEM									
1.	Detention Basin Excavation - Off-Site Disposal (Contractor to properly dispose of all excavated material off-site at no additional expense to the Owner)	13,500	CY	\$10.10	\$136,350.00	\$16.32	\$220,320.00	\$11.00	\$148,500.00
2.	Import, Install, Place, Grade and Compact 2-Foot Thick Clay Liner with a Minimum P.I. of 20 or Greater (on Bottom and Side Slopes of Marina using Clay and Silty Clay Material Excavated from Amenity Basin(s))	6,000	CY	\$16.38	\$98,280.00	\$13.91	\$83,460.00	\$14.00	\$84,000.00
3.	Scarify Entire Amenity Pond with a Minimum P.I. of 20 on Bottom and Side Slopes to a Minimum Depth of 12-Inches and Re-Compact to 95% Standard Proctor Density Using a Vibratory Sheepsfoot Compactor	3,200	SY	\$3.48	\$11,136.00	\$3.21	\$10,272.00	\$2.40	\$7,680.00
4.	Bulk Head with Wood Caps (Complete in Place and Fully Finished and Functional, Including all Miscellaneous and Required Components and Appurtenances, per the Approved Construction Drawings and Details, General Notes, Contract Documents, General and Special Conditions; Technical Specifications, Addendum and Manufacturer's Specifications)	528	LF	\$222.98	\$117,733.44	\$189.39	\$99,997.92	\$200.00	\$105,600.00
<u>WATER DISTRIBUTION SYSTEM</u>									
1.	8-Inch C-900, PVC Water Line	1,608	LF	\$11.63	\$18,701.04	\$12.35	\$19,858.80	\$11.00	\$17,688.00
2.	6-Inch C-900, PVC Water Line	176	LF	\$8.87	\$1,561.12	\$10.05	\$1,768.80	\$8.30	\$1,460.80
3.	4-Inch C-900, PVC Water Line	148	LF	\$7.04	\$1,041.92	\$8.70	\$1,287.60	\$6.40	\$947.20
4.	8-Inch Gate Valve with Box	8	EA	\$842.85	\$6,742.80	\$821.00	\$6,568.00	\$780.00	\$6,240.00
5.	6-Inch Gate Valve with Box	3	EA	\$583.66	\$1,750.98	\$583.00	\$1,749.00	\$530.00	\$1,590.00

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				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
6.	Fire Hydrant	3	EA	\$1,909.28	\$5,727.84	\$1,610.00	\$4,830.00	\$2,000.00	\$6,000.00
7.	6-Inch C-900, PVC Fire Hydrant Lead	33	LF	\$23.57	\$777.81	\$16.70	\$551.10	\$19.00	\$627.00
8.	Remove and Dispose of Existing 8-Inch Plug and Clamp and 2-Inch Blow-Off Valve	1	EA	\$56.10	\$56.10	\$161.00	\$161.00	\$120.00	\$120.00
9.	8-Inch Wet Connection	1	EA	\$1,040.19	\$1,040.19	\$161.00	\$161.00	\$240.00	\$240.00
10.	8-Inch Plug and Clamp	2	EA	\$201.96	\$403.92	\$52.00	\$104.00	\$300.00	\$600.00
11.	4-Inch Plug and Clamp	2	EA	\$182.07	\$364.14	\$32.00	\$64.00	\$280.00	\$560.00
12.	2-Inch Blow-Off Valve with Box Including Check Valve	2	EA	\$885.93	\$1,771.86	\$482.00	\$964.00	\$530.00	\$1,060.00
13.	12-Inch x 8-Inch Tapping Sleeve and Valve	1	EA	\$4,852.65	\$4,852.65	\$3,906.00	\$3,906.00	\$6,000.00	\$6,000.00
14.	Ductile Iron Fittings	2.0	TONS	\$1,696.13	\$3,392.26	\$2,354.00	\$4,708.00	\$1,800.00	\$3,600.00
15.	Trench Safety	1,965	LF	\$0.11	\$216.15	\$0.05	\$98.25	\$0.10	\$196.50
TOTAL WATER DISTRIBUTION SYSTEM:					\$48,400.78		\$46,779.55		\$46,929.50
WASTEWATER COLLECTION SYSTEM									
1.	8-Inch SDR-26, PVC Sanitary Sewer (all depths)	2,395	LF	\$26.92	\$64,473.40	\$22.80	\$54,606.00	\$28.00	\$67,060.00
2.	8-Inch SDR-26, PVC Sanitary Sewer (all depths; bore and jack; including all required and necessary bore pits)	80	LF	\$57.68	\$4,614.40	\$54.25	\$4,340.00	\$55.00	\$4,400.00

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				BIDDER NO. 1		BIDDER NO. 2		BIDDER NO. 3	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
3.	Standard City of Houston 4-Foot Diameter Sanitary Sewer Manhole	20	EA	\$1,346.40	\$26,928.00	\$1,565.00	\$31,300.00	\$1,300.00	\$26,000.00
4.	Standard City of Houston 4-Foot Diameter Sanitary Sewer Manhole with Drop Connection	1	EA	\$1,789.61	\$1,789.61	\$1,883.00	\$1,883.00	\$1,600.00	\$1,600.00
5.	Extra Depth for Manhole (over 8-foot deep)	115	VF	\$89.76	\$10,322.40	\$80.00	\$9,200.00	\$65.00	\$7,475.00
6.	Long Side Sanitary Sewer Service Lead	4	EA	\$1,205.63	\$4,822.52	\$1,044.00	\$4,176.00	\$1,100.00	\$4,400.00
7.	Long Side Sanitary Sewer Service Lead with Stack	1	EA	\$1,766.63	\$1,766.63	\$1,228.00	\$1,228.00	\$1,400.00	\$1,400.00
8.	Short Side Sanitary Sewer Service Lead	4	EA	\$412.11	\$1,648.44	\$496.00	\$1,984.00	\$440.00	\$1,760.00
9.	Short Side Sanitary Sewer Service Lead with Stack	2	EA	\$1,035.61	\$2,071.22	\$690.00	\$1,380.00	\$780.00	\$1,560.00
10.	Remove and Dispose of Existing 8-Inch SDR-26, PVC Sanitary Sewer Stub and Plug and Connect Proposed 8-Inch SDR-26, PVC Sanitary Sewer Pipe to Existing Sanitary Sewer Manhole	1	EA	\$950.70	\$950.70	\$803.00	\$803.00	\$240.00	\$240.00
11.	Well Point De-Watering for Sanitary Sewer Construction (only as directed by the Engineer; minimum bid \$25.00/LF)	1,313	LF	\$25.00	\$32,825.00	\$25.00	\$32,825.00	\$25.00	\$32,825.00
12.	Crushed Stone Foundation with Filter Fabric Wrap as per City of Houston Detail No. 02317-02 (only as directed by the Engineer; minimum bid \$10.00/LF)	1,313	LF	\$10.00	\$13,130.00	\$10.00	\$13,130.00	\$10.00	\$13,130.00
13.	Crushed Stone Foundation and Embedment with Filter Fabric Wrap as per City of Houston Detail No. 02317-01 (only as directed by the Engineer; minimum bid \$25.00/LF)	656	LF	\$25.00	\$16,400.00	\$25.00	\$16,400.00	\$25.00	\$16,400.00
14.	Trench Safety System	2,395	LF	\$0.11	\$263.45	\$0.05	\$119.75	\$0.10	\$239.50
TOTAL WASTEWATER COLLECTION SYSTEM:					\$182,005.77		\$173,374.75		\$178,489.50

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				BIDDER NO. 1 UNIT PRICE	AMOUNT	BIDDER NO. 2 UNIT PRICE	AMOUNT	BIDDER NO. 3 UNIT PRICE	AMOUNT
<u>STORM WATER COLLECTION SYSTEM</u>									
1.	36-Inch x 58 1/2-Inch, C-506, Reinforced Concrete Arch Pipe Storm Sewer	207	LF	\$124.42	\$25,754.94	\$136.05	\$28,162.35	\$174.00	\$36,018.00
2.	31 5/16-Inch x 51 1/8-Inch, C-506, Reinforced Concrete Arch Pipe Storm Sewer	60	LF	\$111.05	\$6,663.00	\$122.90	\$7,374.00	\$151.00	\$9,060.00
3.	26 5/8-Inch x 43 3/4-Inch, C-506, Reinforced Concrete Arch Pipe Storm Sewer (including connecting to existing 26 5/8-Inch x 43 3/4-Inch, C-506, Reinforced Concrete Arch Pipe Storm Sewer)	190	LF	\$79.95	\$15,190.50	\$79.55	\$15,114.50	\$121.00	\$22,990.00
4.	22 1/2-Inch x 36 1/4-Inch, C-506, Reinforced Concrete Arch Pipe Storm Sewer (including connecting to existing 22 1/2-Inch x 36 1/4-Inch, C-506, Reinforced Concrete Arch Pipe Storm Sewer)	248	LF	\$64.48	\$15,991.04	\$71.00	\$17,608.00	\$88.00	\$21,824.00
5.	48-Inch CL III, R/G RCP Storm Sewer	76	LF	\$92.36	\$7,019.36	\$93.40	\$7,098.40	\$106.00	\$8,056.00
6.	36-Inch CL III, R/G RCP Storm Sewer	60	LF	\$62.04	\$3,722.40	\$68.30	\$4,098.00	\$66.00	\$3,960.00
7.	24-Inch CL III, R/G RCP Storm Sewer	191	LF	\$35.82	\$6,841.62	\$32.95	\$6,293.45	\$37.00	\$7,067.00
8.	24-Inch CL III R/G RCP Storm Sewer Inlet Lead	186	LF	\$35.82	\$6,662.52	\$41.90	\$7,793.40	\$38.00	\$7,068.00
9.	18-Inch DR-11, HDPE Storm Sewer Culvert (Contractor to coordinate and specify an 18-Inch inside pipe diameter with pipe supplier)	26	LF	\$29.72	\$772.72	\$98.10	\$2,550.60	\$32.00	\$832.00
10.	Expose and Backfill Existing 22 1/2-Inch x 36 1/4-Inch, C-506, Reinforced Concrete Arch Pipe Storm Sewer with 1.1 Sack Per Ton (Minimum) Cement Stabilized Sand within 1-Foot of the Proposed Pavement Subgrade	63	LF	\$12.72	\$801.36	\$16.35	\$1,030.05	\$25.00	\$1,575.00

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				BIDDER NO. 1		BIDDER NO. 2		BIDDER NO. 3	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
11.	Standard Type "C" Storm Sewer Manhole (24"-42")	9	EA	\$1,505.72	\$13,551.48	\$1,391.00	\$12,519.00	\$1,300.00	\$11,700.00
12.	Standard Type "C" Storm Sewer Manhole (24"-42") with E-Inlet Top	1	EA	\$1,929.84	\$1,929.84	\$2,140.00	\$2,140.00	\$2,000.00	\$2,000.00
13.	Standard Type "C" Storm Sewer Manhole (48"-72")	7	EA	\$3,220.89	\$22,546.23	\$2,295.00	\$16,065.00	\$3,200.00	\$22,400.00
14.	Standard Type "C-1" Storm Sewer Inlet	3	EA	\$1,873.74	\$5,621.22	\$1,305.00	\$3,915.00	\$2,600.00	\$7,800.00
15.	Standard Type "H-2" Storm Sewer Inlet	7	EA	\$1,192.69	\$8,348.83	\$1,038.00	\$7,266.00	\$1,600.00	\$11,200.00
16.	Standard Type "E" Storm Sewer Inlet	1	EA	\$998.58	\$998.58	\$1,498.00	\$1,498.00	\$1,350.00	\$1,350.00
17.	5-Inch Thick Reinforced Concrete Slope Paving; Including 2-Foot Deep Continuous Perimeter Toe Walls (5-sack minimum/3,000 PSI at 28 days; as per the details and Approved Construction Drawings)	50	SY	\$67.32	\$3,366.00	\$58.85	\$2,942.50	\$32.00	\$1,600.00
18.	Drainage Swale (including hydromulch seeding; inclusive of watering, fertilizing, mowing and maintenance until a stand of Bermuda Grass has been established and all governing agencies have inspected and accepted the subject project)	1,253	LF	\$5.08	\$6,365.24	\$4.60	\$5,763.80	\$7.60	\$9,522.80
19.	12-Foot Wide Crushed Stone All Weather Access Road on Compacted Subgrade; Including Geotextile Fabric; Including Tie-In Into Existing Gravel Road (as indicated in the Approved Construction Drawings and Details)	1,525	SY	\$20.16	\$30,744.00	\$26.00	\$39,650.00	\$14.00	\$21,350.00
20.	Clean Out, Muck Out and Re-Grade Existing Drainage Swales	1,095	LF	\$8.51	\$9,318.45	\$4.90	\$5,365.50	\$4.70	\$5,146.50
21.	Backfill Existing Drainage Swales as Indicated on the Approved Construction Drawings (in maximum 8-Inch lifts (loose measure) and compact to 95% SPD, +/-2% of Optimum Moisture)	1	LS	\$2,805.00	\$2,805.00	\$4,387.00	\$4,387.00	\$1.20	\$1.20

HARRIS COUNTY
MUNICIPAL UTILITY DISTRICT NO. 501
WATER DISTRIBUTION, WASTEWATER COLLECTION AND
STORM WATER FACILITIES TO SERVE
TOWNE LAKE, SECTION THIRTEEN
UNIT BID TABULATION

ENGINEER'S ESTIMATE: \$749,815.00

BID DATE: December 16, 2009

ITEM	DESCRIPTION	QUANTITY	UNIT	C.E. BARKER, LTD.		JAHO, INC.		BAY UTILITIES, LLC	
				BIDDER NO. 1		BIDDER NO. 2		BIDDER NO. 3	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
22.	Adjust Existing Storm Sewer Manhole to Match Surrounding Natural Ground; Including Re-Setting Ring and Cover	1	EA	\$252.45	\$252.45	\$268.00	\$268.00	\$350.00	\$350.00
23.	Break Out and Connect Proposed 26 5/8-Inch x 43 3/4-Inch Reinforced Concrete Arch Pipe Storm Sewer to Existing Type "C" Storm Sewer Manhole	1	EA	\$2,434.74	\$2,434.74	\$535.00	\$535.00	\$590.00	\$590.00
24.	8-Inch Thick Brick Plug on Existing 24-Inch CL III, R/G RCP Storm Sewer (only as directed by the Engineer)	1	EA	\$196.35	\$196.35	\$268.00	\$268.00	\$200.00	\$200.00
25.	Remove and Dispose of Existing Storm Sewer Manhole and Storm Sewer Manholes with E-Inlet Tops; Backfill Trench/Earthen Void with On-Site Insitu Material and Regrade All Disturbed Areas as Required and as Indicated on the Approved Construction Drawings in Maximum 8-Inch Lifts (Loose Measure) to 95% SPD, ± 2% Optimum Moisture	7	EA	\$140.25	\$981.75	\$535.00	\$3,745.00	\$350.00	\$2,450.00
26.	Remove and Dispose of Existing 26 5/8-Inch x 43 3/4-Inch, C-506, Reinforced Concrete Arch Pipe Storm Sewer; Backfill Trench/Earthen Void with On-Site Insitu Material and Regrade All Disturbed Areas as Required and as Indicated on the Approved Construction Drawings in Maximum 8-Inch Lifts (Loose Measure) to 95% SPD, ± 2% Optimum Moisture (including hydromulch seeding of storm sewer easement; inclusive of watering, fertilizing, mowing and maintenance until a stand of Bermuda Grass has been established and all governing agencies have inspected and accepted the subject project)	373	LF	\$16.83	\$6,277.59	\$10.10	\$3,767.30	\$7.00	\$2,611.00

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				BIDDER NO. 1		BIDDER NO. 2		BIDDER NO. 3	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
27.	Remove and Dispose of Existing 22 1/2-Inch x 36 1/4-Inch, C-506, Reinforced Concrete Arch Pipe Storm Sewer; Backfill Trench/Earthen Void with On-Site Insitu Material and Regrade All Disturbed Areas as Required and as Indicated on the Approved Construction Drawings in Maximum 8-Inch Lifts (Loose Measure) to 95% SPD, ± 2% Optimum Moisture (including hydromulch seeding of storm sewer easement; inclusive of watering, fertilizing, mowing and maintenance until a stand of Bermuda Grass has been established and all governing agencies have inspected and accepted the subject project)	171	LF	\$14.03	\$2,399.13	\$27.20	\$4,651.20	\$6.00	\$1,026.00
28.	Remove and Dispose of Existing 24-Inch RCP Storm Sewer Culvert	35	LF	\$14.59	\$510.65	\$16.05	\$561.75	\$5.00	\$175.00
29.	Remove and Dispose of Existing 5-Inch Thick Reinforced Concrete Slope Paving Including 2-Foot Deep Continuous Perimeter Toe Walls	50	SY	\$22.44	\$1,122.00	\$21.40	\$1,070.00	\$12.00	\$600.00
30.	Well Point De-Watering as Required for Storm Sewer Outfall Pipe Construction (only as directed and as authorized by the Engineer)	136	LF	\$25.00	\$3,400.00	\$25.00	\$3,400.00	\$25.00	\$3,400.00
31.	Crushed Rock Bedding and Backfill as Required for Wet Sand Storm Sewer Outfall Pipe Construction (only as directed and as authorized by the Engineer)	136	LF	\$15.00	\$2,040.00	\$20.00	\$2,720.00	\$15.00	\$2,040.00
32.	Trench Safety	1,244	LF	\$0.11	\$136.84	\$0.05	\$62.20	\$0.10	\$124.40
TOTAL STORM WATER COLLECTION SYSTEM:					\$214,765.83		\$219,683.00		\$226,086.90

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ITEM	DESCRIPTION	QUANTITY	UNIT	C.E. BARKER, LTD.		JAHO, INC.		BAY UTILITIES, LLC	
				BIDDER NO. 1 UNIT PRICE	AMOUNT	BIDDER NO. 2 UNIT PRICE	AMOUNT	BIDDER NO. 3 UNIT PRICE	AMOUNT
STORM WATER POLLUTION PREVENTION PLAN									
1.	Stage One Type "C-1", Type "E" and Type "H-2" Storm Sewer Inlet Protection Barriers (oak timbers wrapped with filter fabric material on top of inlet and reinforced filter fabric fence barriers, RFFF as described above, surrounding the inlet, as indicated on the SWPPP details plan sheet)	12	EA	\$56.10	\$673.20	\$80.00	\$960.00	\$53.00	\$636.00
2.	Enforcement of TPDES Requirements and General Source Controls; Including Filing NOI and NOT, Jobsite Postings, Regular Inspections, Filing Reports, etc. as Required for SWPPP Compliance for Duration of Underground Utility Construction Project; Contractor is to Practice Good Housekeeping Rules at All Times During Construction and is Responsible to Repair All Damage to the Control Measures as a Result of their own Construction Activities; Storm Water Solutions will be Responsible for Complete SWPPP Compliance for the Developer and for the Repair of Any and All Damage to the Control Measures Caused by Parties Other than the Contractor	1	LS	\$504.90	\$504.90	\$803.00	\$803.00	\$1,200.00	\$1,200.00
TOTAL STORM WATER POLLUTION PREVENTION PLAN:					\$1,178.10		\$1,763.00		\$1,836.00
<u>BID SUMMARY</u>									
1.	Sitework				\$8,673.06		\$24,663.50		\$13,950.00
2.	Detention Basin and Amenity Excavation				\$426,910.97		\$425,951.70		\$452,785.00
3.	Water Distribution System				\$48,400.78		\$46,779.55		\$46,929.50
4.	Wastewater Collection System				\$182,005.77		\$173,374.75		\$178,489.50
5.	Storm Water Collection System				\$214,765.83		\$219,683.00		\$226,086.90

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6.	Storm Water Pollution Prevention Plan				\$1,178.10		\$1,763.00		\$1,836.00
7.	One-Time Only Construction Staking Service (minimum bid \$23,250.00)				\$23,250.00		\$23,250.00		\$23,250.00
8.	Post Construction Topographic Verification of Underground Utilities and Record Drawing Preparation (minimum bid \$9,750.00)				\$9,750.00		\$9,750.00		\$9,750.00
TOTAL AMOUNT BID:					\$914,934.51		\$925,215.50		\$953,076.90
Calendar Days					60		60		60

NOTE: The natural ground elevations shown in the profile views of the Construction Drawings are approximate and may reflect the natural ground conditions prior to the placement and grading of the mentioned detention basin/lake excavation spoil material. Since the underground utilities (to be constructed for this project) are designated to be "all depths", the Contractor will NOT be additionally compensated for the "extra depth" construction of the underground utilities for this project through the filled, graded and modified natural ground conditions/areas that have taken place prior to the commencement of the construction of this project.

NOTE: Earthen coffer dams of any kind in the existing lake will not be allowed for storm sewer construction on this project.

NOTE: Portadam, Inc.® is an approved lake water barricade manufacturer. However, the Contractor is free to choose his own means and methods for Lake Water Barricade construction and De-Watering of Lake Water.

NOTE: Expose and backfill all utilities under future pavement with 1.1 sack per ton (minimum) cement stabilized sand within one (1) foot of the proposed pavement subgrade.

NOTE: Benching Existing Side Slopes to be Filled is Considered Incidental to Excavation Operations and at no Additional Cost to the Owner.

NOTE: The Contractor shall take proper means to protect existing Hamilton Hills bridge and existing reinforced concrete pavement construction in any way encountered, or seriously affected by any process of construction to be undertaken under this agreement, from any damage of said process of construction. Contractor is to practice good housekeeping rules at all times during construction and is responsible to repair all damage to the control measures, including existing Hamilton Hills bridge, as a Result of his own Construction Activities. The Contractor shall be liable for any and all claims for such damage to Hamilton Hills bridge, including, but not limited to, reinforced concrete pavement, abutments, reinforced concrete sidewalks, reinforced concrete curb, bollards, rails, retaining walls, etc., on account of his failure to fully protect Hamilton Hills bridge, all adjoining property and facilities, and to restore Hamilton Hills Bridge, existing facilities and existing reinforced concrete pavement to original, or better than original condition, at no additional expense to the Owner.

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				BIDDER NO. 1 UNIT PRICE	AMOUNT	BIDDER NO. 2 UNIT PRICE	AMOUNT	BIDDER NO. 3 UNIT PRICE	AMOUNT

NOTE: The Contractor shall utilize Everlast Bulkhead or an Owner approved equal bulkhead design. The Owner approved equal shall be designed and sealed by a Registered Engineer Licensed in the State of Texas. Owner approved bulkhead manufacturer equals include Shoreline® Bulkheads and Shorgard® Bulkheads or by others, which the Owner may or may not approve providing the Constructions Drawings are designed, sealed and submitted by a Registered Engineer Licensed in the State of Texas.

NOTE: The Contractor will be responsible for properly preparing all spoil sites to receive spoil/fill material and placing said spoil/fill material on the designated spoil sites in the order as indicated in the Approved Construction Drawings, irrespective of the condition of the specific spoil site(s). The proper preparation of the specific spoil sites, irrespective of the condition, is considered to be incidental to the construction of this project and all work is to be accomplished within the confines of the contract time allotted for this project excepting only those calendar days that the Engineer's representative has approved for an inclement weather day or a "wet site condition" day resulting from a recent rain event.

NOTE: The Contractor will be responsible for maintaining existing storm sewer drainage throughout the re-construction phase of proposed storm sewer pipes.

APPARENT LOW BIDDER NO. TWO HAS BEEN DISQUALIFIED BECAUSE OF IRREGULARITIES AND/OR ADDITIIONS NOT CALLED FOR IN THE INSTRUCTION TO BIDDERS PAGE 3 REJECTION OF PROPOSALS.