



**San Jacinto River Authority Woodlands Division  
Ground Storage Tank No. 2 at Water Plant No. 4  
Project No. WDPR0098.1003.2H001**



**AECOM Project No. 60592253  
100% Construction Cost Estimate  
June 2019**

Item Number	Approx. Quantity	Unit	Description of Item	Unit Cost	Total Amt
<b>BASE UNIT PRICE TABLE</b>					
1	1	LS	2 Million Gallon Prestressed Concrete Ground Storage Tank, Foundation, Accessories, and All Appurtenances, as Shown in Contract Documents	\$1,530,000	\$1,530,000
2	230	LF	16" Steel Water Line and Fittings	\$280	\$64,400
3	60	LF	16" DI Water Line and Fittings	\$140	\$8,400
4	275	LF	24" DI Water Line and Fittings	\$220	\$60,500
5	10	LF	30" DI Water Line and Fittings	\$320	\$3,200
6	2	EA	24" Restrained Flange Coupling Adapter	\$7,600	\$15,200
7	1	EA	16" Dielectric Insulating Flange	\$9,000	\$9,000
8	2	EA	16" Butterfly Valve	\$8,800	\$17,600
9	4	EA	24" Butterfly Valve	\$13,500	\$54,000
10	20	LF	24" RCP	\$85	\$1,700
11	1	EA	24" Flap Valve	\$14,500	\$14,500
12	10	CY	Splash Box Wall and Pad (6' x 5'-4" x 14'-6")	\$650	\$6,500
13	480	LF	Trench Safety System for Water and Storm Sewer Construction, All Depths, Complete in Place	\$5	\$2,400
14	1	LS	Design of Trench Excavation and Shoring Safety Plan for Water and Storm Sewer Construction, All Depths, Complete in Place	\$1,000	\$1,000
15	1	LS	Layout and Survey	\$3,000	\$3,000
16	1	LS	Site Clearing	\$10,000	\$10,000
17	3140	CY	72" Excavation	\$15	\$47,100
18	3140	CY	72" Chemically Treated Select Fill Material	\$50	\$157,000
19	1	LS	Erosion Control Measures	\$6,000	\$6,000
20	1006	LF	Removal of Existing Wire Mesh Fence and Intallation of new Wire Mesh Fence	\$65	\$65,390
21	1	EA	Surface Water Discharge Header Flushing Line Valve Position Switch with Associated Electrical Connection and Instrumentation Controls	\$5,000	\$5,000
22	3	EA	Radar Level Detectors on the Top of the GST No. 2 with Associated Electrical Connection and Instrumentation Controls, Complete in Place	\$10,000	\$30,000
23	1	EA	Light Pole with Associated Appurtenances, Complete in Place	\$5,000	\$5,000
24	1	LS	Miscellaneous field Instruments, Electrical Devices, Heat Trace, Conduits and Fittings with Associated Appurtenances, Complete in Place	\$15,000	\$15,000
<b>TOTAL BASE UNIT PRICE</b>					<b>\$2,140,000</b>



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<b>EXTRA UNIT PRICE TABLE:</b>					
25	400	CY	Extra Structural Excavation, when Authorized by Owner, Complete in Place	\$15	\$6,000
26	1	CY	Extra Compacted Sand, When Authorized by Owner, Complete in Place	\$15	\$15
27	1	CY	Extra Compacted Well Graded Crushed Stone, When Authorized by Owner, Complete in Place	\$50	\$50
28	1	CY	Extra Compacted Pea Gravel, When Authorized by Owner, Complete in Pace	\$50	\$50
29	400	CY	Extra Select Fill, When Authorized by Owner, Complete in Place	\$15	\$6,000
30	400	CY	Extra Chemically Treated Select Fill, When Authorized by Owener, Complete in Place	\$18	\$7,200
31	500	LB	Extra Reinforcing Steel, When Authorized by Owner, Complete in Place	\$1	\$500
<b>TOTAL EXTRA UNIT PRICE</b>					<b>\$20,000</b>
<b>ALTERNATE BID ITEMS TABLE</b>					
32	9750	SF	Bid Alternate 1: Cleaning, Coating and Repairing, Exterior of Existing Tank Wall, Complete in Place	\$10	\$97,500
33	2	EA	Bid Alternate 2: Replace Two Existing Ultrasonic Level Detectors on the Top of the GST No. 1 with Radar Detectors. Electrical Connection and Instrumentation Controls for the Existing Tank, Complete in Place	\$10,000	\$20,000
<b>TOTAL ALTERNATE BID ITEMS PRICE</b>					<b>\$120,000</b>
<b>Contingency (10%)</b>					<b>\$230,000</b>
<b>Mobilization/Demobilization (5%)</b>					<b>\$110,000</b>
<b>Bond and Insurance (3%)</b>					<b>\$70,000</b>
<b>Contractor's Overhead and Profit (12%)</b>					<b>\$270,000</b>
<b>Grand Total (Base + Extra + Alternates)</b>					<b>\$2,960,000</b>