



Preliminary Opinion of Probable Cost
Sunray Shores Water District
Distribution System Improvements
Prepared by Horizons Engineering, Inc.
September 2022

<u>ITEM</u>	<u>UNITS</u>	<u>NO. UNITS</u>	<u>UNIT COST</u>	<u>TOTAL COST</u>
6,400-GALLON HYDROPNEUMATIC STORAGE TANK				
<u>Construction Items</u>				
10% Mobilization and General Conditions	LS	1	\$1,500.00	\$1,500.00
6,400-Gallon Storage Tank	LS	1	\$9,600.00	\$9,600.00
3" Gate Valve	EA	3	\$1,800.00	\$5,400.00
<i>Subtotal Storage Tank</i>				<i>\$16,500.00</i>
15% Contingency				<u>\$2,475.00</u>
Construction Cost				\$18,975.00
Legal & Admin				\$0.00
10% Engineering Design and Permitting				\$1,650.00
10% Engineering Bidding and Construction Svcs				<u>\$1,650.00</u>
				<u>\$22,275.00</u>
ROUNDED TOTAL PROJECT COST				\$20,000.00

RELOCATE AND UPGRADE EXISTING PUMP STATION

<u>Construction Items</u>				
10% Mobilization and General Conditions	LS	1	\$31,450.00	\$31,450.00
Building	LS	1	\$100,000.00	\$100,000.00
Site Work	LS	1	\$50,000.00	\$50,000.00
Plumbing and Mechanical	LS	1	\$45,000.00	\$45,000.00
Electrical Work	LS	1	\$60,000.00	\$60,000.00
Generator	LS	1	\$30,000.00	\$30,000.00
SCADA	LS	1	\$20,000.00	\$20,000.00
Flushing Hydrant	LS	1	\$5,000.00	\$5,000.00
Underground Electrical (Assumed Length)	LF	50	\$90.00	\$4,500.00
<i>Subtotal Pump Station</i>				<i>\$345,950.00</i>
15% Contingency				<u>\$51,892.50</u>
Construction Cost				\$397,842.50
Legal & Admin				\$5,000.00
10% Engineering Design and Permitting				\$34,595.00
10% Engineering Bidding and Construction Svcs				<u>\$34,595.00</u>
				<u>\$472,032.50</u>
ROUNDED TOTAL PROJECT COST				\$470,000.00

DISTRIBUTION AND GATE VALVES

Mobilization - 10% of construction	LS	1	\$95,000.00	\$95,000.00
4 Inch Water Main	LF	6,000	\$90.00	\$540,000.00
4 Inch Gate Valve	EA	6	\$2,200.00	\$13,200.00
2" Gate Valve	EA	2	\$1,800.00	\$3,600.00
3" Gate Valve	EA	4	\$1,800.00	\$7,200.00
Flushing Hydrant	EA	4	\$2,500.00	\$10,000.00
3/4 Inch Saddle, Corporation Stop, and Curb Stop w/box	EA	60	\$1,000.00	\$60,000.00
3/4 inch Water Service	LF	1500	\$38.00	\$57,000.00
Bituminous Concrete Pavement for Roadways	TON	912	\$175.00	\$159,600.00
Bituminous Concrete Pavement for Driveways	SY	50	\$165.00	\$8,250.00
Bank Run Gravel	CY	889	\$32.00	\$28,448.00
Crushed Gravel	CY	444	\$36.00	\$15,984.00
Unsuitable Material	CY	100	\$40.00	\$4,000.00



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Ledge Removal	CY	15	\$250.00	\$3,750.00
Erosion Control	LS	1	\$10,000.00	\$10,000.00
Traffic Control	LS	1	\$2,000.00	\$2,000.00
Loaming, Seeding, Fertilizing & Mulching	LS	1	\$10,000.00	\$10,000.00
Restoration of Surfaces	LS	1	\$20,000.00	\$20,000.00
Subtotal Distribution				\$1,048,032.00
15% Contingency				\$157,000.00
Construction Cost				\$1,205,032.00
Legal & Admin				\$10,000.00
10% Engineering Design and Permitting				\$104,803.20
10% Engineering, Bidding and Construction Svcs				\$104,803.20
				<u>\$1,424,638.40</u>
ROUNDED TOTAL PROJECT COST				\$1,420,000.00
TOTAL PROJECT COST				\$1,910,000.00