

CITY OF SANTA ANA
PROPOSAL
 PROJECT NO.: 18-6491
 WELL NO. 29 IMPROVEMENTS

BID PROPOSAL

TO: CITY COUNCIL OF THE CITY OF SANTA ANA

FROM: Environmental Construction, Inc.**REQUIREMENT:**

The undersigned bidder declares that they have carefully examined the location of the proposed work, that they have examined the Contract Documents in its entirety and hereby proposes to furnish all material and do all the work required to complete the said work in accordance with said plans (if any) and the specifications for the unit price(s) or lump sum(s) set forth in the following schedule:

WELL REHABILITATION SCHEDULE A					
Item	Description	Qty	Unit	Unit Price	Amount
1	Mobilization/Demobilization of pump rig, equipment and accessories. Prepare contract documents and other preliminary work and prepare site as specified	1	LS	\$ 90,200	\$ 90,200
2	Remove existing pump column, and bowls from well. Transport pump and appurtenances to the CONTRACTOR'S facility for inspection	1	LS	\$ 38,500	\$ 38,500
3	Perform wire brushing and bail sediment fill from the bottom of the well.	24	HRS	\$ 550	\$ 13,200
4	Clear water column and provide as many as four (4) downwell interim, clear-viewing, color video surveys of well casing as specified	4	LS	\$ 600	\$ 2,400
5	Perform Casing Inspection Thickness Measurement (CITM) survey of the entire well casing.	1	LS	\$ 12,650	\$ 12,650
6	Conduct well redevelopment using "air-jetting" methods, via the AirBurst® or BoreBlast® methods.	1	LS	\$ 68,200	\$ 68,200
7	Perform chemical treatment of well water using HercChemTech chemical treatment plan, as specified.	1	LS	\$ 121,000	\$ 121,000

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WELL REHABILITATION SCHEDULE A					
Item	Description	Qty	Unit	Unit Price	Amount
8	Perform mechanical redevelopment (airlifting and swabbing) of the well.	90	HRS	\$ 782	\$ 70,380
9	Conduct treatment and proper discharge of mechanical and/or pumping redevelopment fluids (as applicable) via use of Baker tanks and the neutralization, blending, and disposal of solids/sludges per specifications, including treatment, sampling, analysis and reporting for NPDES discharge compliance.	1	LS	\$ 71,500	\$ 71,500
10	Mobilize, install and demobilize a diesel or gasoline engine, temporary test pump, and all necessary equipment and accessories	1	LS	\$ 81,400	\$ 81,400
11	Perform pumping development of the well including monitoring of water levels, flow rates and measurement of sand content.	60	HRS	\$ 459	\$ 27,540
12A & 12B	Perform a 12-hour (maximum) step drawdown test and a minimum 24-hour (maximum 48-hour) constant rate pumping test, including monitoring of water levels, pumping rates, and sand content.	60	HRS	\$ 459	\$ 27,540
13	Perform flow meter (spinner) survey under dynamic (pumping) conditions	1	LS	\$ 5,225	\$ 5,225
14	Conduct well disinfection and clean up site.	1	LS	\$ 9,680	\$ 9,680
SCHEDULE A SUBTOTAL				\$ 5,883,825.00	(FS)

639,415

WELL EQUIPPING AND SITE IMPROVEMENTS SCHEDULE B					
Item	Description	Qty	Unit	Unit Price	Amount
1	Mobilization, Bonds and Insurance	1	LS	\$ 298,008	\$ 298,008
2	Additional Demobilization/Remobilization for Owner's Convenience	1	LS	\$ 20,000	\$ 20,000

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WELL EQUIPPING AND SITE IMPROVEMENTS					
SCHEDULE B					
Item	Description	Qty	Unit	Unit Price	Amount
3	Verification of Utility Locations, Field Dimensions, and Existing Electrical Work	1	LS	\$ 25,000	\$ 25,000
4	BMP Implementation and Erosion Control/Compliance with SWPPP Requirement	1	LS	\$ 36,000	\$ 36,000
5	Startup and Testing	1	LS	\$ 12,000	\$ 12,000
6	Record Drawings, O&M Manuals and Warranties	1	LS	\$ 2,000	\$ 2,000
7	Spare Parts	1	LS	\$ 25,000	\$ 25,000
8	Structural, Mechanical, and Electrical Demolition	1	LS	\$ 18,400	\$ 18,400
9	Cut and Plug Existing System Water Mains	1	LS	\$ 3,000	\$ 3,000
10	Remove and Dispose of Existing Piping	798	LF	\$ 38	\$ 30,324
11	Pickleball Court Resurfacing	1	LS	\$ 240,100	\$ 240,100
12	Reinforced Concrete Paving, Asphalt Paving, Porous Flexible Grassroad Paving, Concrete Work, and Flatwork	1,450	SF	\$ 74	\$ 107,300
13	Cast-in-Place Concrete Vault	1	LS	\$ 120,662	\$ 120,662
14	Reinforced Concrete Masonry Unit Fence Wal	75	LF	\$ 1,369	\$ 102,675
15	Reinforced Concrete Masonry Unit Building	1	LS	\$ 1,185,335	\$ 1,185,335
16	Electrical, Site Security, and Lighting Systems	1	LS	\$ 1,080,666	\$ 1,080,666
17	Clearing and Grubbing, Site Demolition and Soil Preparation	1	LS	\$ 56,060	\$ 56,060
18	Tree Removal	1	LS	\$ 3,000	\$ 3,000
19	Grading and Structural Excavation	1	LS	\$ 55,292	\$ 55,292
20	Motorized Rolling Gate	2	EA	\$ 66,000	\$ 132,000
21	Chain Link Fence	90	LF	\$ 1,100	\$ 99,000

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WELL EQUIPPING AND SITE IMPROVEMENTS					
SCHEDULE B					
Item	Description	Qty	Unit	Unit Price	Amount
22	Double-Leaf Motorized Swing Vehicle Gate	1	EA	\$ 71,500	\$ 71,500
23	Irrigation System and Landscaping	1	LS	\$ 46,878	\$ 46,878
24	90-Day Maintenance Contract for Landscape Plants	1	LS	\$ 2,000	\$ 2,000
25	Connect to Existing Piping	1	LS	\$ 110,255	\$ 110,255
26	Yard Piping and Fittings	1	LS	\$ 200,436	\$ 200,436
27	Cement-Mortar Lined and Coated Steel Pipe	612	LF	\$ 862	\$ 527,544
28	Butterfly Valves	3	EA	\$ 8,800	\$ 26,400
29	Check Valves	1	EA	\$ 22,000	\$ 22,000
30	Magnetic Flow Meters	1	EA	\$ 2,500	\$ 2,500
31	Diaphragm Valves	2	EA	\$ 102,000	\$ 204,000
32	Vertical Turbine Water Pumps and Motors	1	EA	\$ 569,010	\$ 569,010
33	Excavation Safety Measures	1	LS	\$ 20,680	\$ 20,680
34	OCTA Bus Station	1	LS	\$ 102,800	\$ 102,800
35	Electronic Marquees	1	LS	\$ 300,000	\$ 300,000
36	As-Built Plans	1	LS	\$ 1,000	\$ 1,000
37	Construction Permit	1	LS	\$15,000	\$ 15,000
A1	Allowance for Reimbursement for SCE Power Service and Transformer	1	LS	\$ 10,000	\$ 10,000
SCHEDULE B SUBTOTAL				\$ 5,883,825.00	
BASE BID (SCHEDULE A + SCHEDULE B)				\$ 6,523,240	

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WELL EQUIPPING AND SITE IMPROVEMENTS ADD-ALTERNATE SCHEDULE					
Item	Description	Qty	Unit	Unit Price	Amount
B1	Tennis/Pickleball Court Lighting	1	LS	\$ 242,050	\$ 242,050
ADD-ALTERNATE SCHEDULE SUBTOTAL				\$ 242,050	
TOTAL BASE BID (SCHEDULE A + SCHEDULE B + ADD-ALTERNATE SCHEDULE)				\$ 6,765,290.00	

The lowest responsible bidder shall be selected based on the total base bid. The City reserves the right to award the Base Bid, and any, all, or none of the add-alternate bid items (if any).

* The quantity for this bid item is shown for bid comparison only. This bid item shall not be subject to the "25%" limit as stated in Section 3-2 of the Standard Specifications. The actual amount for this item will be dictated by the actual quantity used, and the Agency reserves the right to increase or decrease the quantity of this item accordingly.

† This bid item is considered a Specialty Item per Section 3-2 of the Standard Specifications.

TIME FOR COMPLETION OF IMPROVEMENTS AND LIQUIDATED DAMAGES

The undersigned bidder hereby proposes to complete the Work for the total base bid amount shown above, within 260 working days after the commencement date stated in the Notice to Proceed.

The liquidated damages amount, in lieu of the amount specified in Subsection 6-9 of the Standard Specifications, shall be \$2,000 per calendar day.

Name of Firm Environmental Construction, Inc.

Signature of BIDDER Farid Soroudi

Title President, Secretary, Treasurer, Manager

(If an individual, so state. If a firm or co-partnership, state the firm name and give the names of all individual co-partners composing the firm. If a corporation, state legal name of corporation, and names of President, Secretary, Treasurer and Manager, thereof.)