

UNITED WATER CONSERVATION DISTRICT
EL RIO WATER WELL 19 CONSTRUCTION PROJECT
Specification No. 20-05

Addendum No. 1

Prospective bidders are hereby directed to make and incorporate the following changes and clarifications to the solicitation:

- A. **The Bid Schedule on Page P-4 in the Proposal section of the specifications** shall be replaced with Page P-4a attached.
- B. The Stainless Steel casing shall be A304.
- C. The dimensions for the concrete pump pedestal shall be 6' Wide X 6' Long X 18" Tall.
- D. A dielectric coupler should be placed between the copper bearing and stainless steel sections.
- E. **Please see the attached scope of work for the destruction of Well 6, the located near the proposed well.** The cost for this work will be captured on line 24 of the Bid Schedule on page P-4 in the Proposal section of the specifications.
- F. **Please note the time was changed from 10:00 am to 12:00 pm on January 7, 2021 for N-7 MANDATORY PREBID MEETING AND SITE INSPECTION of the Notice Inviting Bids.** Contractors who showed up prior to 12:00 are eligible to bid on the project.

BID SCHEDULE

**Schedule of Prices for the El Rio Water Well No. 19 Project
(Specification No. 20-05)
United Water Conservation District**

TECH SPEC NO.	BID ITEM NO.	WORK TASK	UNITS	QTY.	UNIT PRICE	ITEM TOTAL
1,3,4,5	1	Mobilization/ Demobilization	L.S.	1		\$
6	2	Conductor Casing	L.S.	1		\$
7	3	Pilot Bore Hole	L.F.	475		\$
7.3	4	Geophysical Logs	L.S.	1		\$
9	5	Reaming Pilot Bore	L.F.	380		\$
10.1	6	18-Inch Copper Bearing Well Casing (0.3125-Inch Wall)	L.F.	170		\$
10.2	7	18-Inch Stainless Steel Louvered Well Casing (0.3125-Inch Wall)	L.F.	180		\$
	8	18-Inch Stainless Steel Casing (0.3125- inch Wall)	L.F.	30		\$
10.3	9	Guides	EA.	6 Sets		\$
11	10	3-Inch-Dia. Sounding Pipe	L.F.	222		\$
12	11	Gravel Pack	L.F.	280		\$
12.1	12	3-Inch-Dia. Tremie Pipe	L.F.	120		\$
13	13	Cement Seal	L.F.	100		\$
14.1.1	14	Well Development (Mechanical)	HR.	27		\$
14.1.2	15	Pumping Development	HR.	40		\$
15	16	Well Hydraulic Performance Test	L.S.	1		\$
16	17	Water Quality Sampling	L.S.	1		\$
18	18	Video Survey Inspection	L.S.	1		\$
19	19	Plumbness and Alignment Survey	L.S.	1		\$
20	20	18-Inch Stainless Steel End Cap	L.S.	1		\$
21	21	Concrete Pump Pedestal	L.S.	1		\$
22	22	Site Clean-up	L.S.	1		\$
	23	Dielectric Coupler	EA.	1		\$
	24	Well 6 Destruction	L.S.	1		\$

Total Bid Price:

\$ _____

(Price in Figures)

(Price in Words)

QUANTITIES OF WORK

The quantities of work or material stated in the unit price items of the Bid Schedule are supplied only to give an indication of the general scope of the Work. Owner does not expressly or by implication agree that the actual amounts of work or material will correspond therewith, and reserves the right after award to increase or decrease the quantity of any unit price bid item, by an amount up to 25 percent of increase or decrease, without a change in the unit prices, and shall have the right to delete any bid item in its entirety, and receive full credit in the amount shown in the Bid Schedule for the deleted item of Work.

**SCOPE OF WORK
FOR THE DESTRUCTION OF WELL NO. 6**

- 1. Conform with any and all destruction conditions as spelled up by Ventura County Watershed Protection District Groundwater Section**
- 2. Review the Well Completion Reports for the well to determine the approximate amount of clean sand/gravel and neat cement that will be required.**
- 3. Pay all necessary permit fees.**
- 4. Remove and haul away existing 100 Horsepower motor, discharge head, 175' of 12" steel threaded column pipe, 140' of 2 1/2" shaft and tubing, 3 stage pump and cone strainer. Piping connected to the discharge head will be removed by the owner prior to the start of work.**
- 5. Demolish and Haul away existing pump pedestal and casing. The concrete pump pedestal for the well measure approximately 5 feet by 5 feet and are roughly 2 feet deep. Soil from the adjacent pond can be borrowed in a uniform manner and used as backfill.**
- 6. There will be de-energized electrical conduit near the pedestal, Contractor to demo to a foot below ground surface.**
- 7. The well site shall be left in a condition similar to prior to the work with the hole left by the removal of the pedestal and casing being filled to within 3 inches of grade. United Water Conservation District will place gravel or base to bring the area to grade after the Contractor's work is complete.**

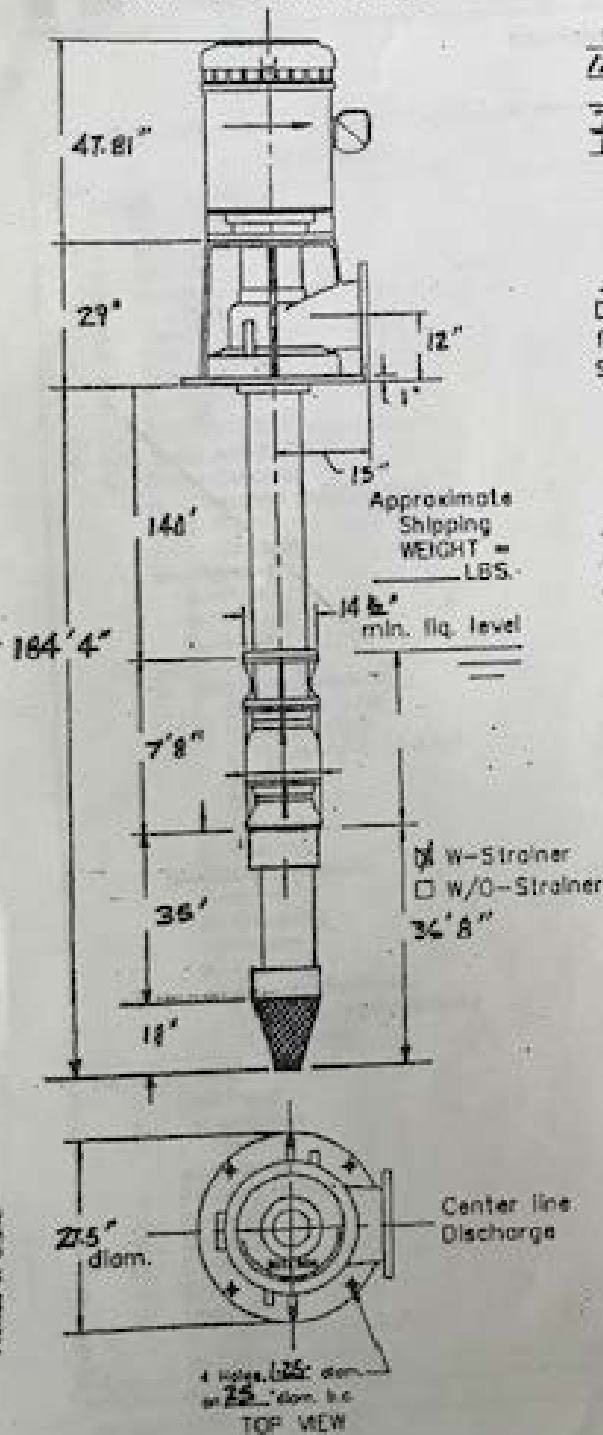


Well No. 6

VERTICAL TURBINE PUMPS

Sheet 601
September 1, 1958
Circle 7155-00 Sheet 601
Dated February 1, 1963

TYPE 'W' STANDARD



MOTOR

100 H.P. Vertical Hollow Shaft
1200 R.P.M. 3 Phase 60 Cycle 440 Volts
WP-1 Enclosure Mfg. USEM
TYPE RUS, 344 TP FRAME, INTERNAL SPACE HEATERS,
PREMIUM EFFICIENCY, NER

DISCHARGE HEAD - TYPE W

12 W-16 Discharge Head
 Discharge flange matches 125# ANSI dimensions.
 flange holes straddle vertical centerline
 Shaft Seal Packed Box, Oil Lube

COLUMN

12 " Flanged, Threaded Column Pipe
1 1/2 " Diameter Open, Enclosed Lineshaft
2 1/2 " Diameter Enclosing Tube

16 HCL PUMP

3 Stage ~~10 HCL~~ Bowl Assembly With
 Enclosed, Semi-Open, Open Impeller
2500 USCPM 72 Ft. Total Head
 Strainer: Yes No, Type SW

MATERIALS

Bowls <u>CAST IRON</u>	Column Pipe <u>STEEL</u>
Impellers <u>SILICON BRONZE</u>	Enclog. Tube <u>STEEL</u>
Pump Shaft <u>416 SS</u>	Brg. Retainer <u>N/A</u>
Bowl Brgs. <u>BRONZE</u>	Lineshaft Brgs. <u>BRONZE</u>
Head <u>CAST IRON</u>	Lineshaft <u>316 SS</u>
Strainer <u>GALVANIZED STEEL</u>	Lineshaft Slv. <u>N/A</u>
<u>Bowl INTERIOR LINING - PORCELAIN ENAMEL</u>	

UNITED WATER CONSERVATION DISTRICT

EL RIO WATER WELL No. 6

Typical Dimensions - Not For Construction

Well No.. 6 Mechanical Details

TRIPLICATE
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. 4
(Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

8433

Do Not Fill In

No. 26878

State Well No. 2N/22W-14P2

Other Well No. 10-5-55

(1) OWNER: WELL No. 6
Name UNITED WATER CONSERVATION DIST.
Address 806 RAILROAD AVE. SANTA PAULA, CALIF.

(2) LOCATION OF WELL:
County VENTURA Owner's number, if any--
R. F. D. or Street No. EL RIO SPREADING GROUNDS

SEE MAP 22-100-17 OF UNITED WATER CONSERVATION DIST. SUEDE TO DRIVE MAR 1956

(3) TYPE OF WORK (check):
New well Deepening Reconditioning Abandon
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic Industrial Municipal
Irrigation Test Well Other

(5) EQUIPMENT:
Rotary
Cable
Dug Well

(6) CASING INSTALLED:
SINGLE DOUBLE
From 0 ft. to 304.4 ft. Diam. 8
Type and size of shoe or well ring 18" x 18" x 1 1/2"
Describe joint

If gravel packed

Diameter of Bore	from ft.	to ft.

(7) PERFORATIONS:
Type of perforator used HYDRAULIC
Size of perforations 1 in., length, by 2 1/2 in.
From 149 to 165 ft. 10 Perf. per row 8" Rows per ft.
197 to 277 ft. 10 " " " 8 " " "

(8) CONSTRUCTION:
Was a surface sanitary seal provided? Yes No To what depth 100 ft.
Were any strata sealed against pollution? Yes No If yes, note depth of strata
From 0 ft. to 100 ft.
Method of Sealing WELDED

(9) WATER LEVELS:
Depth at which water was first found 100 ft.
Standing level before perforating 100 ft.
Standing level after perforating 101.6 ft.

(10) WELL TESTS:
Was a pump test made? Yes No If yes, by whom?
Yield: X gal./min. with 1/2 in. draw down at 100 hrs.
Temperature of water Was a chemical analysis made? Yes No
Was electric log made of well? Yes No

(11) WELL LOG: 2N/22W-14P2
Total depth 304.4 ft. Depth of completed well 304.4 ft.
Condition: Describe by color, character, size of material, and structure.

0	ft. to	1	ft.	SOIL
1	81			SAND & GRAVEL TO 4"
81	82			BROWN CLAY
82	147			SAND & GRAVEL TO 12"
147	148			BROWN CLAY
148	166			GRAVEL TO 6"
166	195			COURSE SAND
195	229			GRAVEL TO 10"
229	245			SAND & PEASGRAVEL
245	300			GRAVEL TO 10"
300	301.59			YELLOW CLAY & SMALL ROCK

6' CONCRETE PLUG AND 3' OF BOULDERS IN BOTTOM

CONFIDENTIAL
In Accordance With
Section 7076.1 of the Water Code
State of California



Work started AUG. 24, 1955 Completed SEPT. 14, 1955

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME LEONARD A. ANDERSON
Address P. O. Box 191, OXNARD, CALIF.

[SIGNED] _____ Well Driller
License No. 14826 Dated DEC. 9, 1955

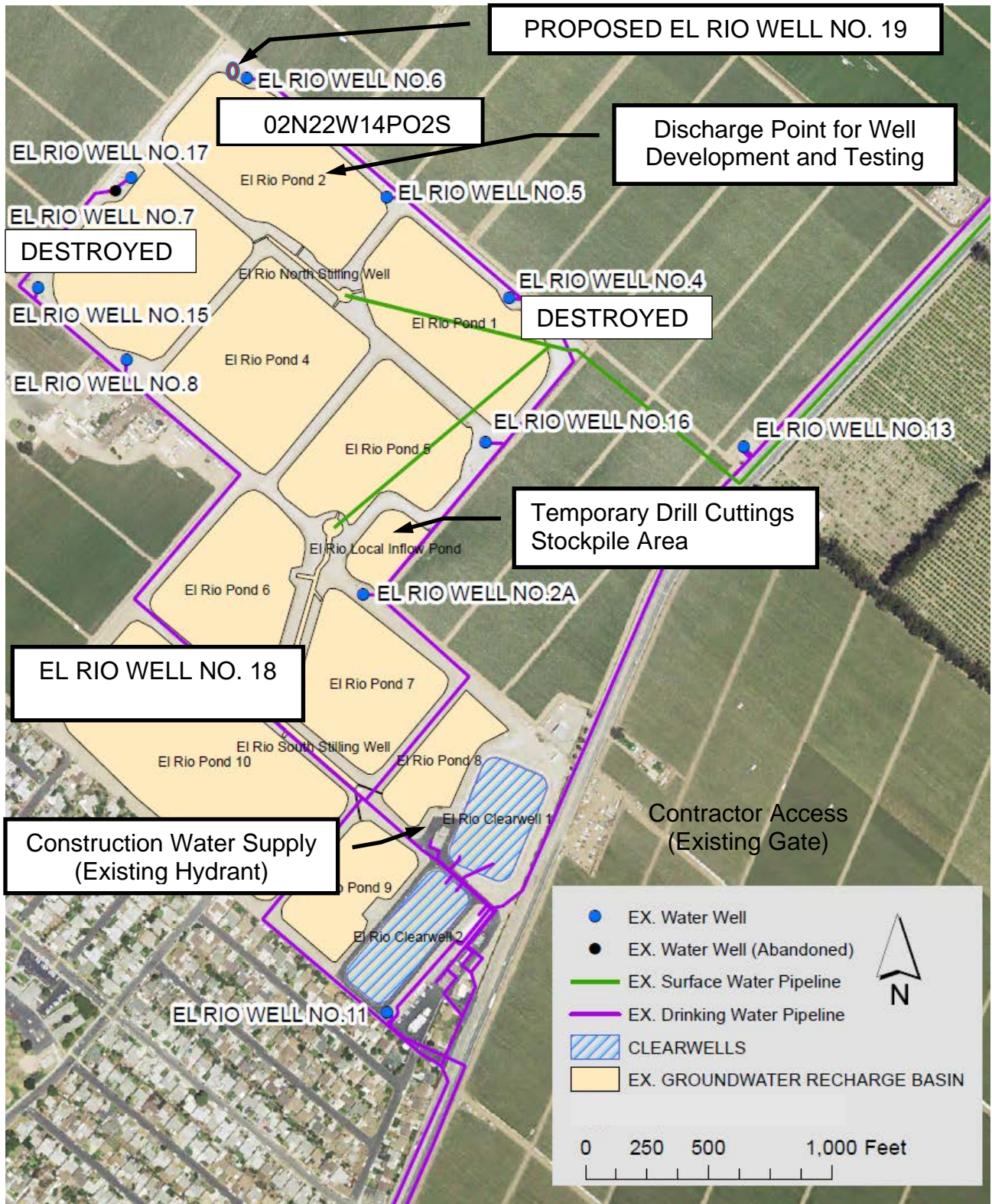


Plate 2 - Well Site Map