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BOARD OF DIRECTORS To: **Plan Holder** Project: **O'Neill Ranch Well and
Treatment Plant Project**

Dr. THOMAS LAHUE Attn: **Bidder** CWO: **10-001**
President
BRUCE DANIELS
Vice-President Date: **October 17, 2013**

Dr. DON HOERNSCHEMYER
Dr. BRUCE JAFFE
RICHARD MEYER

Addendum No. 2

The contract documents for the **O'Neill Ranch Well and Treatment Project** have been changed. Please adjust bids accordingly. Staple this addendum to the original documents and special provisions.

BID DATE REMAINS: November 6, 2013 at 2:00 PM

Bidder acknowledges receipt of this addendum, which shall be attached to and made a part of the proposal as it is included in the contract documents and special provisions.

Contractor Representative

Date

Soquel Creek Water District
Taj Dufour, P.E.
Engineering Manager/Chief Engineer

CHANGES TO BID DOCUMENTS

SPECIFICATIONS

Item No.	Spec. Section	Description
S2-1	504.5 County Requirements	<p>REPLACE Section 504.5 County Requirements in entirety with the attached. All changes from prior version are in bold. Please re-read carefully.</p> <p>Note that County Requirements are for work in County Right of Way, and not for work in treatment plant area.</p> <p>A minimum of 6 Changeable message signs are required.</p> <p>No Type II slurry work on Fridays</p>
S2-2	504.6 Traffic Control	<p>REVISE Paragraph 6 – Six (6) Portable Changeable Message Signs, minimum, placed per County Encroachment Permit requirements. One for eastbound traffic and one for westbound traffic on Soquel Dr., and the following roads leading to the project; Southbound Porter Street north of Soquel Dr., Northbound Porter Street south of Soquel Dr., Northbound Robertson Rd. south of Wharf Rd., and Northbound 41st Ave., south of Soquel Dr. These are required two weeks before work on Soquel Dr. and only required to remain in place for duration of work in Soquel Dr.</p> <p>REPLACE Section 504.6 Traffic Control in its entirety with the attached.</p>

SECTION 504.5 COUNTY REQUIREMENTS

The District is in the process of securing a County Encroachment Permit. The Contractor shall submit for review and approval by the County a Traffic Control Plan for County as a pre-requisite for Encroachment Permit issuance by the County. Contractor shall also review said permits prior to construction and shall comply with all requirements as stated in the permits. The Contractor shall comply with the General Provisions of the Encroachment Permit **while working in the County's Right-of Way, as summarized below.** The District shall pay all fees associated with necessary permits for this project. **The Contractor shall pay all County penalty fees for not complying with the encroachment permit.**

The District may not accept the contract work until the Contractor has submitted a written statement (specifically referencing relative compaction and road surface restoration requirements) issued by the County of Santa Cruz, advising that the Contractor has complied with all County requirements and that the completed work is acceptable.

The Contractor is advised that the County will not permit the closure of any county maintained road. All roads included in the project are subject to remaining open. The Contractor shall include all costs associated with maintaining roads open to traffic in the contract unit or lump sum prices for other items of work. The District will not consider any additional compensation.

The specific requirements of the County issued Encroachment Permit are presented below and pertain to work on County roads only. Contractor shall comply with these requirements. In case of a conflict elsewhere in these documents, the County requirements below govern.

- 1. Night Time Work will not be allowed. Traffic control plan shall be approved by the DPW Traffic Engineer prior to start of project. The Contractor shall include a minimum of six (6) Changeable Message Signs (CMS) in the bid item for Traffic Control. Proposal for any alternations to traffic control plans may be considered by the County.**
- 2. Starting date: Start after completion of the Soquel Creek Water Cast Iron Main Replacement project. The District anticipates the Cast Iron Project completed by December 2013. The Contractor should anticipate the O'Neill Well and Treatment Plant project work within the County Right of Way to start no sooner than January 2014.**

3. **No work shall be done between the hours of 5:00 pm and 7:30 am, or Saturdays, Sundays or legal holidays, except with written permission of the Encroachment Inspector. Requests for changes to working hours shall be submitted at least two weeks in advance of the intended work. All work involving heavy equipment or traffic control shall be done between the hours of 9:00 am and 3:30 pm except with written permission of the Encroachment Inspector. Lane closures shall be between 9:00 am and 3:30 pm.**
4. Trench Backfill Requirements:
 - (A) 2 sack slurry backfill on all cross trenches per District Std S-15 and County Figure EP-2 (Minimum 1 sack slurry).
 - (B) 2 sack slurry backfill per District Std S-14 and County Figure EP-1 (Minimum 1 sack slurry/ No native backfill permitted) for longitudinal trenches. If alternative trench is requested, please submit for review and approval.
5. No more than 300 feet of plates are allowed at one time, plates shall be tack welded at two locations per joint and have sufficient cut-back. Transition plates shall be provided for ramping if thicker than 1 inch, for plates used on longitudinal or lateral trenches.
6. Temporary trench patching with Granitepatch will be allowed for a maximum of 100 feet, for no more than 5 days. (Longer than 5 days or greater than 100 ft. hot mix shall be required). Minimum lift thickness of Granitepatch shall be 2" and applied per Manufacturers instructions. No other cold patch material will be allowed by the County. Contractor to maintain Granitepatch application conforming to County approval until permanent pavement is applied. If an alternative method is requested, please submit for review and approval.
7. Permanent paving shall be asphalt concrete hot mix, 1/2 -inch maximum, medium gradation to include T-section, per County Figure EP-1 and EP-2, or per approved alternative trench. **Also, the following conditions apply to permanent paving:**
 - (A) Longitudinal joints in the top layer shall not be located in the wheel path or bicycle lane.
 - (B) For permanent trench paving, existing roadway pavement shall be sawcut with a saw or grinder to produce a straight and solid vertical face against which to butt the new pavement.
 - (C) Vertical surfaces shall be broom clean and tack coat shall be brush applied to vertical surfaces and reapplied before each lift as necessary.

- (D) If less than 2 feet of pavement is left between the cut edge for final paving and the existing paving or gutter, the remaining paving shall be removed and paved along with the trench paving.
 - (E) If 4' or less between patches, pave with one patch.
8. Propex Petrotac 4591 shall be applied to all utility trenches, horizontal and lateral, after T-trench grinding and immediately before final paving. Petrotac shall overlap trench cut sidewalls by a minimum of 6-inches.
9. **The Contractor shall grind striping prior to slurry application. Replace all pavement striping and markings in-kind.**
10. Type II Slurry Application
- (A) Type II slurry shall be applied to all trenches, extend 1' beyond the seam and be full lane width for longitudinal trenches.
 - (B) If for any reason slurry extends beyond the center line, then slurry shall be full width.
 - (C) Trenching in the intersection shall require slurry of the entire intersection.
 - (D) All slurry application shall be perpendicular to road centerline or as directed by County inspector.
 - (E) **The Type II Slurry shall not be applied on Fridays.**
11. The County's right-of-way shall not be used as a staging area. The Permittee and/or Contractor shall make arrangements for a construction staging area that is in conformance with all County land use and zoning regulations; to be verified through the County of Santa Cruz Planning Department.
12. Permittee/Contractor shall furnish a copy of the Emergency Notification List to the County Maintenance Yard located at 2700 Brommer Street, Santa Cruz, CA 95062.
13. Fencing shall be installed per requirements of the Department of Public Works Real Property and Contract Specifications and Drawings.
14. **Tree removal and irrigation modifications shall be coordinated with Department of Public Works, Program Administration Coordinator, as follows:**
- (A) **Any and all damage from tree removal and construction shall include off-haul, soil replacement, groundcover, irrigation system, etc.**

- (B) All items listed in condition (A) shall be repaired/replaced in good working order.**
- (C) The District shall replace the five trees with five matching trees per approved Landscape Plan; to be maintained by the District.**
- (D) Pressure check the irrigation system to assure there are no leaks after the work is completed. Repair any leaks.**
- (E) Existing trees to remain shall be protected with orange fence and posts surrounding each tree, outside at drip line.**

15. Proposed driveways, sidewalk, curb, and gutter shall meet the County of Santa Cruz Design Criteria.

16. Penalty fees for lane closure before or after designated times. For each 10-minute interval or fraction thereof before the time to start or late to reopen the lane closure, Santa Cruz County Department of Public Works will charge \$500.00 per interval, payable from Soquel Creek Water District.

SECTION 504.6 TRAFFIC CONTROL

Description

The Contractor shall submit a traffic control plan a minimum of fifteen (15) days prior to the start of construction. The plan shall reserve one lane available at all times. The District and County of Santa Cruz shall approve the plan prior to beginning construction. The Contractor shall provide a plan in compliance with the State of California, Department of Transportation "California Manual on Uniform Traffic Control Devices for Streets and Highways," latest edition. The Contractor shall ensure the plan be in general conformance with the provisions of Standard Plan No. T13, "Traffic Control System for Lane Closure on Two Lane Conventional Highways" of the Cal-Trans Standard Plans.

The Contractor shall have certified flaggers available at all times to guide motorized and non-motorized vehicles around the construction area and minimize safety hazards and to direct construction traffic.

The Contractor shall install "Construction Zone, Speed Limit 15 MPH" signs on semi-permanent posts prior to construction along the proposed construction area. The Contractor shall maintain the signs throughout construction of the project and shall not remove the signs until directed by the District. The Contractor shall cover other speed limit signs along the project alignment if they conflict. The Contractor shall ensure the covers remain until the "Construction Zone, Speed Limit 15 MPH" signs are removed.

The Contractor shall install informational warning signs and project signs that shall remain in place during the entire construction period. The Contractor shall maintain sign security and reinstall the signs if they fall or are knocked over.

The Contractor shall install the following signage along the pipeline alignments:

- **Six (6) Portable Changeable Message Signs, minimum, placed per County Encroachment Permit requirements. One for eastbound traffic and one for westbound traffic on Soquel Dr., and the following roads leading to the project; Southbound Porter Street north of Soquel Dr., Northbound Porter Street south of Soquel Dr., Northbound Robertson Rd. south of Wharf Rd., and Northbound 41st Ave., south of Soquel Dr. These are required two weeks before work on Soquel Dr. and only required to remain in place for duration of work in Soquel Dr.**
- **Two (2) 30"x30" (C23) orange-background signs stating "ROAD WORK AHEAD."**

- Two (2) 42"x18" (C14) rectangular orange-background signs stating "END ROAD WORK."

The Contractor shall be responsible for furnishing, mounting, installing, and maintaining all signage during duration of the project. The District Inspector shall determine the exact sign locations in the field. The Contractor shall install signs prior to the start of construction, and ensure the signs remain posted during the entire duration of the project.

The Contractor shall inspect traffic control signs, barricades, and delineators and shall maintain them in accordance with the approved traffic control plan throughout each workday. All barricades in use after daylight shall be lighted.

The Contractor shall post "No Parking" signs as required 72 hours prior to construction at 50' maximum spacing. The Contractor shall check and maintain said signs on a daily basis. The Contractor shall ensure "No Parking" signs clearly state the enforced dates and shall update them as necessary.

Contractor will be required to coordinate construction activities with emergency service providers in the area at least one month in advance. Emergency service providers will be notified of the timing, location, and duration of construction activities. All roads shall remain accessible for emergency service vehicles at all times.

Measurement and Payment

The Contractor shall include all costs associated with "Traffic Control" in the lump sum price for SCHEDULE 1 Bid Item No. R - Traffic Control . The District will not consider any additional compensation.