

SAN LORENZO VALLEY WATER DISTRICT  
NOTICE INVITING BIDS

The San Lorenzo Valley Water District is inviting bids, pursuant to the attached specifications, for the following:

Bid Items:

**Quail Well 5A and Olympia Well 3 Rehabilitation**

Additional information may be obtained by contacting:

Nate Gillespie, Water Treatment and System Supervisor  
San Lorenzo Valley Water District  
13060 Highway 9  
Boulder Creek, CA 95006  
(831) 216-9019  
ngillespie@slvwd.com

All bids must be sealed and submitted before 3:00 p.m. Thursday June 20, 2019 to the following:

Holly Hossack, District Secretary  
San Lorenzo Valley Water District  
13060 Highway 9  
Boulder Creek, CA 95006

**NOTE: Please mark on the outside of your envelope, "Sealed Bid, Quail Well 5A and Olympia Well 3 Rehabilitation."**

# CONTRACT AND TECHNICAL SPECIFICATIONS

FOR

## Rehabilitation of Quail Well 5A & Olympia Well 3



### **General Conditions**

This Agreement will become effective on the date of execution set forth below, and will continue in effect until terminated as provided herein. The form of contract for this Project is attached hereto for contractor's information and reference.

The Operations Department shall be the representative of the District for all purposes under this Agreement. The District's Operations Manager, or their designated representative, hereby is designated as the Contract Manager for the District. He shall supervise the progress and execution of this Agreement.

All work shall be in conformance to local, State and Federal laws and regulations.

The work is subject to State of California Prevailing Wages and Contractor and all subcontractors shall pay workers no less than the amounts specified by the Department of Industrial Relations for appropriate labor classifications.

No subcontractor will be recognized as such, and all persons engaged in the work of construction will be considered as employees of Contractor.

Prior to commencement of work tasks, the Contractor shall have a documented, in place, safety program which meets all CAL-OSHA/FED-OSHA regulations.

Contractor shall:

- a. Procure all permits and licenses, pay all charges and fees, and give all notices which may be necessary and incidental to the work and lawful prosecution of the services to be performed by the Contractor under this Agreement;
- b. Keep itself fully informed of all existing federal, state and local laws, ordinances, regulations, orders, and decrees which may affect those engaged or employed under this Agreement, any materials used in Contractor's performance under this Agreement, or the conduct of the services under this Agreement;
- c. At all times observe and comply with, and cause all of its employees to observe and comply with, all of said laws, ordinances, regulations, orders, and decrees mentioned above;
- d. Immediately report to the District's Contract Manager in writing any discrepancy or inconsistency it discovers in said laws, ordinances, regulations, orders, and decrees mentioned above in relation to any plans, drawings, specifications, or provisions of this Agreement.

**Insurance:** The Contractor shall obtain and possess insurance coverage as specified herein and as approved by the Engineer. Liability insurance shall conform to the provisions of Section 7-1.12 "Responsibility for Damage" of the Standard Specifications and these General Conditions and Special Provisions.



4. Coverage shall not extend to any indemnity coverage for the active negligence of the additional insured in any case where an agreement to indemnify the additional insured would be invalid under Subdivision (b) of section 2782 of the Civil Code.

The Course of Construction policy shall contain the following provisions:

1. The District shall be named as loss payee.
2. The insurer shall waive all rights of subrogation against the District.

All insurance required by this section shall be placed with insurers with a current A.M. Best's rating of no less than A: VII and shall be licensed to operate in the State of California.

Approved insurance forms are attached to the Special Provisions.

Contractor shall furnish the District with original certificates and amendatory endorsements effecting coverage required by this section. The endorsements should be on forms provided by the District or on other than the District's forms, provided those endorsements or policies conform to the requirements. All certificates and endorsements are to be received and approved by the District before work commences. The District reserves the right to require complete, certified copies of all required insurance policies, including endorsements affecting the coverage required by these specifications at any time.

Contractor shall include all subcontractors as insureds under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverage for subcontractors shall be subject to all of the requirements stated herein.

**Maintenance Bonding:** Contractor shall furnish an approved Surety Company Bond equal to ten percent (10%) of the total amount of the Contract that shall hold good for a period of one year after the date of the filing of the Notice of Completion with the County Clerk. Said Bond shall protect the District against the result of faulty material or workmanship during that time. Recordation of the Notice of Completion shall not be deemed an acceptance of latent defects nor shall it constitute a waiver of any of the provisions of this Contract.

The form of Maintenance Bond is attached to the Special Provisions.

**Payment and Completion:** The District will retain 10% of all payments due the Contractor for a period of thirty-five (35) calendar days after the filing of a project Notice of Completion at the Santa Cruz County Recorder's office. In lieu of this retention, the Contractor may submit evidence that all laborers, subcontractors and materials suppliers have been paid in full and, upon approval of the Engineer, the remaining 10% will be paid to the Contractor.

**Beginning the Work and Time of Completion:** The Contractor shall complete work within forty-five (45) working days after receiving the Notice to Proceed verifying that the contract has been

approved by District. Failure to diligently prosecute the Project may result in assessment of Liquidated Damages or termination of Contractor's control over the work and taking over the work by the District.

**Liquidated Damages:** It is agreed by the parties to the contract that, in case all work called for under the contract is not completed before or upon the expiration of the time limit set forth in these General Conditions, damage will be sustained by the District, and that it is and will be impracticable to determine the actual damage which the District will sustain by reason of such delay; and, it is therefore agreed that Contractor will pay to the District the sum of Five Hundred Dollars (\$500.00) for each and every calendar day delay beyond the expiration of said time limit. Contractor agrees to pay such Liquidated Damages as herein provided, and in case the same are not paid, agrees that the District may deduct the amount thereof from any moneys due or that may become due Contractor under the contract.

### **Special Provisions**

**Safety:** All work shall be performed in accordance with the requirements of the State of California Division of Industrial Safety. The Contractor shall conform to the permit requirements of the Division of Industrial Safety and shall obtain a trenching permit directly from said State Office prior to such activity.

The Contractor's attention is directed to the provisions of Section 6705 of the Labor Code concerning trench excavation safety plans. (Note: Contractors are hereby advised that the independent monitoring regulations of OSHA, as enforced by CAL OSHA officers, are to be complied with at all times).

**Effluent Discharge:** Contractor shall treat fluids before disposal (neutralize, dechlorinate, etc.). Fluids must be neutralized to a pH of approximately 7 before disposal. Dechlorinate fluids using sodium thiosulfate or similar method.

**SAN LORENZO VALLEY WATER DISTRICT**

**CONTRACT FOR**

**REHABILITATION OF Quail Well 5A and Oly Well 3**

This Agreement is made upon the date of execution, as set forth below, by and between,

---

*Insert Contractor name and address*

(hereinafter referred to as "**CONTRACTOR**"), and the **SAN LORENZO VALLEY WATER DISTRICT** (hereinafter referred to as "**DISTRICT**").

**NOW, THEREFORE**, in consideration of the mutual covenants herein contained, the parties hereto agree as follows:

1.00 **GENERAL PROVISIONS**

1.01 **WORK TO BE PERFORMED BY CONTRACTOR**: That for and in consideration of the payments and agreements hereinafter mentioned, to be made and performed by, **DISTRICT** and under the conditions expressed in the three bonds, bearing even date with these presents, and hereunto annexed, the **CONTRACTOR** agrees to do all the work and to furnish all the materials, except such as are mentioned in the specifications to be furnished by **DISTRICT**, necessary to construct and complete in a good, workmanlike and substantial manner and to the satisfaction of the **DISTRICT**, this project in accordance with the Proposal, the General Conditions and Special Provisions and the general prevailing wage rates as determined by the Director of Industrial Relations of the State of California; which said General Conditions, Special Provisions, Standard Specifications, Standard Plans and General Prevailing Wage Rates are hereby specially referred to and by such reference made a part hereof. The work to be done is shown upon plans and in specifications entitled:

**REHABILITATION OF Quail Well 5A and Olympia Well 3**

which said plans and specifications are hereby made a part of this contract.

1.02 **COMPENSATION: CONTRACTOR** agrees to receive and accept the following prices as full compensation for furnishing all materials and for doing all the work contemplated and embraced in this agreement; also for all loss or damage, arising out of the nature of the work aforesaid, or from the action of the elements, or from any unforeseen difficulties or obstructions which may arise or be encountered in the prosecution of the work until its acceptance by the said party of the first part and for all risks of every description connected with the work; also for all expenses incurred by or in consequence of the suspension of discontinuance of work and for well and faithfully completing the work, and the whole thereof, and in the manner and according to the plans and specifications, and the requirements of the District.

Owner shall pay contractor for completion of the work in accordance with the contract documents amounts that follow, subject to adjustment under the contract, with prices stated for materials and labor provided by CONTRACTOR, attached hereto as an exhibit. **CONTRACTOR** guarantees that maximum amount payable by the **DISTRICT** for the sum of the cost of the work, including full compensation for furnishing all materials and for doing all the work contemplated and embraced in this agreement, plus the contractor's fee will not exceed \$\_\_\_\_\_ (the "Guaranteed Maximum Price"), subject to increases or decreases for changes in the work.

## **2.00 OBLIGATIONS OF CONTRACTOR**

### **2.01 LAWS TO BE OBSERVED. CONTRACTOR shall:**

a. Procure all permits and licenses, pay all charges and fees, and give all notices which may be necessary and incidental to the due and lawful prosecution of the services to be performed by **CONTRACTOR** under this Agreement;

b. Keep itself fully informed of all existing federal, state and local laws, ordinances, regulations, orders, and decrees which may affect those engaged or employed under this Agreement, any materials used in **CONTRACTOR's** performance under this Agreement, or the conduct of the services under this Agreement;

c. At all times observe and comply with, and cause all of its employees to observe and comply with all of said laws, ordinances, regulations, orders, and decrees mentioned above;

d. Immediately report to the **DISTRICT** Contract Manager in writing any discrepancy or inconsistency it discovers in said laws, ordinances, regulations, orders, and decrees mentioned above in relation to any plans, drawings, specifications, or provisions of this Agreement.

**2.02 WORKERS COMPENSATION AND OTHER EMPLOYEE BENEFITS: DISTRICT and CONTRACTOR** intend and agree that **CONTRACTOR** is an independent contractor of **DISTRICT** and agree that **CONTRACTOR** and **CONTRACTOR's** employees and agents have no right to Workers Compensation and other employee benefits from the **DISTRICT**. **CONTRACTOR** agrees to provide Workers Compensation and other employee benefits, where required by law, for **CONTRACTOR's** employees and agents. **CONTRACTOR** agrees to hold harmless, defend and indemnify **DISTRICT**, from any and all claims for injury, disability, or death of **CONTRACTOR** and **CONTRACTOR's** employees or agents. **CONTRACTOR** certifies that it is aware of the provisions of Section 3700 of the Labor Code that require every employer to be insured against liability for workmen's compensation or to undertake self-insurance in accordance with the provisions of that code, and agrees to comply with such provisions before commencing the performance of the work of this contract. The statement of prevailing wages hereunto annexed is hereby specifically referred to and by this reference is made a part of this contract.

**2.03 INDEMNIFICATION: CONTRACTOR** shall defend, indemnify, and save harmless **DISTRICT**, their elected officials, officers, agents and employees from any and all claims, demands, damages, costs, expenses, judgments or liability arising directly or indirectly out of this Agreement, or attempted



performance of the provisions hereof, including, but not limited to those predicted upon theories of violation of statute, ordinance, or regulation, professional malpractice, negligence, or recklessness including negligent or reckless operation of motor vehicles or other equipment, furnishing of defective or dangerous products or completed operations, premises liability, liability arising from trespass or inverse condemnation, violation of civil rights and also including any adverse determination made by the Internal Revenue Service or the State Franchise Tax Board with respect to **CONTRACTOR's** "independent contractor" status that would establish a liability for failure to make social security and income tax withholding payments, or any act or omission to act, whether or not it be willful, intentional or actively or passively negligent on the part of **CONTRACTOR** or its agents, employees or other independent **contractors** directly responsible to **CONTRACTOR**, providing further that the foregoing shall apply to any act or omissions to act, committed jointly or concurrently by **CONTRACTOR** or **CONTRACTOR's** agents, employees or other independent **contractors** and the **DISTRICT**, its agents, employees or independent **CONTRACTORS**, provided further as follows:

a. That **DISTRICT** does not, and shall not, waive any rights against **CONTRACTOR** which it may have by reason of the aforesaid hold-harmless agreement, because of the acceptance by **DISTRICT**, or the deposit with **DISTRICT** by **CONTRACTOR**, of any of the insurance policies hereinafter described.

b. That the aforesaid hold-harmless agreement by **CONTRACTOR** shall apply to all damages and claims for damages of every kind suffered by reason of any of the aforesaid operations of **CONTRACTOR** or any agent or employee of **CONTRACTOR** regardless of whether or not such insurance policies shall have been determined to be applicable to any of such damages or claims for damages.

c. Nothing contained in the foregoing indemnity provision shall be construed to require indemnification for claims, demands, damages, costs, expenses or judgments resulting from the proven sole active negligence or proven willful misconduct of the **DISTRICT**.

2.04 **INSURANCE:** **CONTRACTOR** shall not commence work under this Agreement until it has obtained all insurance required pursuant to the General Conditions set forth in the Invitation to Bid and such insurance shall have been approved by **DISTRICT** as to form, amount and carrier.

### 3.00 **TIME FOR COMPLETION OF THE WORK**

The scope of work set forth in this agreement shall be completed within thirty (30) working days from the Contractor's receipt of the Project's Notice to Proceed. Time is of the Essence. Time extensions may be allowed for delays caused by **DISTRICT**, other governmental agencies, or factors not directly brought about by the negligence or lack of due care on the part of the **CONTRACTOR**. Liquidated Damages may be assessed for delays caused by the **CONTRACTOR** as set forth in the general conditions.

### 4.00 **INSPECTION**

**CONTRACTOR** shall furnish **DISTRICT** with every reasonable opportunity for **DISTRICT** to ascertain that the work of **CONTRACTOR** is being performed in accordance with the requirements and intentions of this Agreement and the Specifications. All work done and all materials furnished, if any, shall be subject to

the **DISTRICT** inspection and approval. The inspection of such work shall not relieve **CONTRACTOR** of any of its obligations to fulfill its Agreement as prescribed.

5.00 **OWNERSHIP OF MATERIALS**

All original drawings, videotapes and other materials prepared by or in possession of **CONTRACTOR** pursuant to this Agreement shall become the permanent property of the **DISTRICT**, and shall be delivered to the **DISTRICT** upon demand. All such documents, plans and specifications prepared under this Agreement shall become the property of the **DISTRICT** upon completion of the work and payment of monies earned and due to the **CONTRACTOR**.

6.00 **MISCELLANEOUS**

6.01 **REMEDIES**: The remedies set forth in this Agreement shall not be exclusive but shall be cumulative with, and in addition to, all remedies now or hereafter allowed by law or equity.

6.02 **NO WAIVER**: The waiver of any breach by any party of any provision of this Agreement shall not constitute a continuing waiver or a waiver of any subsequent breach of this Agreement.

6.03 **ASSIGNMENT**: This Agreement is specifically not assignable by **CONTRACTOR** to any person or entity. Any assignment or attempt to assign by **CONTRACTOR**, whether it be voluntary or involuntary, by operation of law or otherwise, is void and is a material breach of this Agreement giving rise to a right to terminate as set forth in the Cal Trans Specifications.

6.04 **ATTORNEY FEES**: In the event of any controversy, claim or dispute between the parties hereto, arising out of or relating to this Agreement, or the breach thereof, the prevailing party shall be entitled, in addition to other such relief as may be granted, to a reasonable sum as and for attorney fees.

6.05 **TIME FOR PERFORMANCE**: Except as otherwise expressly provided for in this Agreement, should the performance of any act required by this Agreement to be performed by either party be prevented or delayed by reason of any act of God, strike, lockout, labor trouble, inability to secure materials, or any other cause except financial inability not the fault of the party required to perform the act, the time for performance of the act will be extended for a period of time equivalent to the period of delay and performance of the act during the period of delay will be excused; provided, however, that nothing contained in this section shall exclude the prompt payment by either party as required by this Agreement or the performance of any act rendered difficult or impossible solely because of the financial condition of the party required to perform the act.

6.06 **NOTICES**: Except as otherwise expressly provided by law, any and all notices or other communications required or permitted by this Agreement or by law to be served on or given to any party to this Agreement shall be in writing and shall be deemed duly served and given when personally delivered or in lieu of such personal service when deposited in the United States mail, first-class postage prepaid to the following address for each respective party:

**DISTRICT:** James Furtado, Director of Operations  
San Lorenzo Valley Water District  
13060 CA-9,  
Boulder Creek, CA 95006

**CONTRACTOR:**  
*Name and address*

6.07 **GOVERNING LAW:** This Agreement and all matters relating to this Agreement shall be governed by the laws of the State of California in force at the time any need for the interpretation of this Agreement or any decision or holding concerning this Agreement arises.

6.08 **BINDING EFFECT:** This Agreement shall be binding on and shall inure to the benefit of the heirs, executors, administrators, successors and assigns of the parties hereto, but nothing in this section shall be construed as a consent by **DISTRICT** to any assignment of this Agreement or any interest in this Agreement.

6.09 **SEVERABILITY:** Should any provision of this Agreement be held by a court of competent jurisdiction or by a legislative or rule making act to be either invalid, void or unenforceable, the remaining provisions of this Agreement shall remain in full force and effect, unimpaired by the holding, legislation or rule.

6.10 **INCORPORATION OF PROPOSAL:** It is further expressly agreed by and between the parties hereto that should there be any conflict between the terms of this instrument and the proposal of said Contractor, then this instrument shall control and nothing herein shall be considered as an acceptance of the said terms of said proposal conflicting herewith.

6.11 **PLANS AND SPECIFICATIONS:** If a discrepancy in terms between the specifications and/or plans exists, the most stringent will be controlling, unless the District Engineer approves in writing the Contractor's request to follow the less stringent term or terms.

6.12 **DUE AUTHORITY:** The parties hereby represent that the individuals executing this Agreement are expressly authorized to do so on and in behalf of the parties.

6.13 **CONSTRUCTION:** The parties agree that each has had an opportunity to have their counsel review this Agreement and that any rule of construction to the effect that ambiguities are to be resolved against the drafting party shall not apply in the interpretation of this Agreement or any amendments or exhibits thereto. The captions of the sections are for convenience and reference only, and are not intended to be construed to define or limit the provisions to which they relate.

6.14 **AMENDMENTS:** Amendments to this Agreement shall be in writing and shall be made only with the mutual written consent of all of the parties to this Agreement.

Executed on May \_\_\_\_, 2019, at Boulder Creek, California.

**CONTRACTOR**

**SAN LORENZO VALLEY WATER DISTRICT**

By: \_\_\_\_\_

By: \_\_\_\_\_

Rick Rogers, General Manager

**ATTEST:**

By: \_\_\_\_\_

**PERFORMANCE BOND**

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the San Lorenzo Valley Water District hereinafter designated as "District" has awarded

\_\_\_\_\_

*Insert Contractor name and address*

hereinafter designated as "Principal", a contract for **REHABILITATION OF QUAIL WELL 5A and OLY WELL 3**; and

WHEREAS, said Principal is required under the terms of said contract to furnish a bond for the faithful performance of said contract;

NOW, THEREFORE, we, the Principal and \_\_\_\_\_ as Surety, are held and firmly bound unto the San Lorenzo Valley Water District, (hereinafter called "District"), in the penal sum of \$ \_\_\_\_\_, lawful money of the United States, for the payment of which sum well and truly be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally firmly by these presents.

The condition of this obligation is such that if the above bounden Principal, his or its heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions, and agreements in the said contract and any alteration thereof made as therein provided, on his or their part, to be kept and performed at the time and in the manner therein specified, and in all respects according to their true intent and meaning, and shall indemnify and save harmless District, its officers, agents, and employees, as therein stipulated, then this obligation shall become null and void; otherwise it shall be and remain in full force, virtue, and effect.

And the said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to the work to be performed thereunder or the specifications accompanying the same shall in any wise affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration, or additions to the terms of the contract or to the work or to the specifications.

In the event suit is brought upon this bond by District and judgment is recovered, Surety shall pay all costs incurred by District in such suit, including a reasonable attorney's fee to be fixed by the Court.

Death of the Principal shall not relieve Surety of its obligations hereunder.

IN WITNESS WHEREOF, three identical counterparts of this instrument, each of which for all purposes be deemed an original thereof, have been duly executed by Principal and Surety above named, on the

\_\_\_\_\_ day of June, 2019.

\_\_\_\_\_ (Seal)

\_\_\_\_\_ (Seal)

\_\_\_\_\_ (Seal)

\_\_\_\_\_ (Seal)

Principal

Surety

\_\_\_\_\_

Address

NOTE: Signatures of those executing for Surety must be properly acknowledged.

**LABOR AND MATERIALS PAYMENT BOND**

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the San Lorenzo Valley Water District hereinafter designated as "District" has awarded to **Contractor, address** hereinafter designated as "Principal", have entered into an agreement for the furnishing of all materials, labor, services, and transportation, necessary, convenient, and proper to construct **REHABILITATION OF QUAIL WELL 5A and OLY WELL 3** which said Agreement dated \_\_\_\_\_, 2019, and all of the Contract Documents attached to or forming a part of said Agreement, are hereby referred to and made a part hereof; and

WHEREAS, pursuant to law, the principal is required before entering upon the performance of the Work, to file a good and sufficient bond with the body by whom the contract is awarded, to secure claims to which reference is made in Sections 3247 and 3252, inclusive, of the Civil Code of California, and Sections 3181, 3110, 3111, and 3112 of the Civil Code of California.

NOW, THEREFORE, said Principal and the undersigned \_\_\_\_\_ as corporate surety, are held and firmly bound unto the San Lorenzo Valley Water District, and unto all laborers, materialmen and other persons referred to in said statutes in the sum of \$ \_\_\_\_\_, lawful money of the United States for the payment of which sum well and truly made, we bind ourselves, our heirs, executors, administrators, successors, or assigns, jointly and severally by these presents.

The condition of this obligation is such that if the said Principal, his or its heirs, executors, administrators, successors or assigns, or sub-contractors, shall fail to pay any of the persons named in Civil Code Section 3181, or amounts due under the Unemployment Insurance Code with respect to work or labor performed by any such claimant, or any amounts required to be deducted, withheld, and paid over to the Franchise Tax Board from the wages of employees of the Principal and his sub-contractors pursuant to Section 18806 of the Revenue and Taxation Code, with respect to such work and labor, that the Surety herein will pay for the same in an amount not exceeding the sum specified in this bond, otherwise the above obligation shall be void. In case suit is brought upon this bond, the said Surety will pay a reasonable attorney's fee to be fixed by the court.

This bond shall inure to the benefit of any of the persons named in Civil Code Section 3181 as to give a right of action to such persons or their assigns in any suit brought upon this bond.

Should the condition of this bond be fully performed, then this obligation shall become null and void, otherwise it shall be and remain in full force, virtue, and effect.

And the said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of said contract or to the Work to be performed thereunder of the specifications accompanying the same shall in any manner affect its obligations on this bond, and it does hereby waive notice of any such change, extension, alteration, or addition.

Death of the Principal shall not relieve Surety of its obligations hereunder.

IN WITNESS WHEREOF three identical counterparts of this instrument, each of which shall for all purposes be deemed an original thereof, have been duly executed by the Principal and Surety above named, on the

\_\_\_\_\_ day of \_\_\_\_\_, 2019.

\_\_\_\_\_(Seal)  
Principal

\_\_\_\_\_(Seal)  
Surety

\_\_\_\_\_

Address

NOTE: Signatures of those executing for Surety must be properly acknowledged.



**TECHNICAL SPECIFICATIONS  
FOR  
REHABILITATION OF SAN LORENZO VALLEY WATER DISTRICT  
QUAIL HOLLOW WELL 5A**

**SECTION 20-1. SCOPE OF WORK**

San Lorenzo Valley Water District (District) desires to rehabilitate an existing 12-inch diameter, 175-foot deep well located off Quail Hollow Road by mechanical means to restore well performance. The well has a screened interval from 125 to 165 feet. The well is constructed with stainless steel wire-wrapped screen with stainless steel blank sections and cellar. A schematic of the well is shown on Figure 1. The Contractor shall provide all equipment, labor, chemicals, and temporary storage facilities to complete the work outlined in these specifications and as directed by the District or their representative.

**SECTION 20-2. QUALIFICATIONS OF CONTRACTOR**

Contractor shall be familiar with all aspects of the work outlined in these specifications and shall possess a C-57 Contractors license. Contractor shall have a minimum of 5 years of experience in well servicing and rehabilitation work and shall provide a minimum of three references of similar work completed within the last three years to District at their request.

**SECTION 20-3. COMPLIANCE WITH DISTRICT'S STANDARD SPECIFICATIONS**

As applicable, all work will be performed under the terms and conditions outlined in the District's Standard Specifications. These specifications list insurance requirements, safety and contracting procedures. These specifications are available from the District on request.

**SECTION 20-4. COMPLIANCE WITH APPLICABLE LAWS AND REGULATIONS**

Contractor shall perform all work in strict accordance with all Federal, State, and local regulations, including those applying to the handling, transportation, and disposal of chemicals used or produced on the project. Contractor shall also obtain all permits, if any, required for the performance of the work outlined in these specifications.

**SECTION 20-5. SAFETY**

Job site safety, both during and after working hours, is the sole responsibility of the Contractor. The Contractor, his employees and subcontractors shall be familiar with and comply with all applicable safety regulations and guidelines relating to the transportation, handling, and disposal of the chemicals to be utilized for the work as well as other aspects of the work, including electrical and mechanical safety guidelines and regulations. The Contractor shall also provide for and ensure public safety around the site both during and after work hours. In addition to personal safety



San Lorenzo Valley Water District  
Rehabilitation of Quail Well 5A and Olympia Well 3

equipment for project personnel, the Contractor shall provide and maintain onsite the necessary equipment and materials for spill containment, neutralization, and cleanup of the chemicals utilized or produced during the project work. If the District or their representative determines that any of the safety measures or safety equipment onsite is inadequate or inappropriate he shall stop all work until the safety issue is corrected. No payment for standby time or equipment rental shall be made for such delays in the work.

## SECTION 20-6. CONTRACTORS EQUIPMENT

The Contractor shall provide all necessary equipment, tools, and appurtenances, for the timely completion of the work. Contractor's equipment shall be in complete and safe operating condition, and shall be appropriately maintained and operated during the project. The Contractor shall be solely responsible for the condition of his equipment and shall maintain an inventory of necessary spare parts for the timely repair of equipment in the event of a failure or breakdown. No payment shall be made for standby time or equipment rental caused by a breakdown or failure of the Contractor's equipment. Equipment necessary for the work shall include, but not be limited to the following items:

- Well pump removal rig
- 12-inch diameter nylon “wire” brush block (weighted)
- 10-inch-diameter nominal diameter bailer.
- Jetting tool coupled to high-pressure pump capable of achieving jet exit velocities of at least 100 feet per second.
- Zone Pumping Isolation Tool – Electric submersible pump coupled to perforated pipe with 12-inch diameter swabs.
- 5000 gallon minimum open top tankage for water settling before discharge. Trash pumps for transferring fluids between tanks and circulating fluid within tanks.
- Temporary piping and valves for well pump discharge and to disposal location.

Contractors pump rig shall be capable of lifting the bailer or surge block at a minimum velocity of 3 feet/second at the bottom of the well.

## SECTION 20-7. REDEVELOPMENT PROCEDURE

Contractor shall, under the direction of the District or their representative, perform both mechanical and chemical development work on the well to remove deleterious material from the casing and screens. The work shall be performed according to the following general schedule, with allowances for the effectiveness of treatment as determined by the District.

### WORK SCOPE

**Task 1** -Remove existing submersible pump/motor. Existing pump/motor is 25-HP pump set at 160 feet on 3-inch pipe. Column pipe and wire can be left on-site in District’s yard. The pump/motor will be replaced as part of this work. Contractor to provide written opinion and quote regarding need/cost to replace column pipe and wire. If column pipe is not to be replaced Contractor shall provide written estimate to steam clean pipe.

**Task 2** -Video Survey Well. Well will be video surveyed to assess condition and confirm depth. Prior to performing video survey, District will run clear water into well for 12 hours. DVD copies and paper summary of the video survey shall be provided to District.

**Task 3** - Mobilize equipment. Establish facilities for handling and settling discharge water from well. Establish water connection for jetting equipment.

**Task 4** -Wire brush well screens using weighted wire brush for period of 2 hours. After brushing, well will be bailed to bottom to remove fill. Bailed material will be contained on-site. Discharge from bailer should directed to bermed area to decant.

**Task 5** – Insert jetting assembly into well.

Jetting tool must meet the follow criteria:

- Minimum exit velocity of 100 feet per second from each jet.
- Minimum of 4 jets spaced equally circumficially.
- Jets shall be positioned ½ inch from the inside of screen.
- Jetting tool shall be centralized within the casing
- Jetting tool must rotate during operation.

Jet perforated intervals while rotating and vertically moving jetting assembly. Jetting tool shall be moved through the perforated interval at a rate of 5 minutes per foot while rotating. Well will be jetted from bottom to top. After reaching top of screen, assembly will be removed from the well and the well bailed clean. The jetting tool will then be reinstalled and the well jetted from bottom to top again. After the second pass of jetting the well will again bailed clean. It is estimated that total jetting time will be 12 hours, including tool insertion and removal and bailing.

**Task 6** - Install “zone-pumping” tool. Zone-pumping tool shall consist of a submersible pump capable of minimum discharge rate of 100 gpm against TDH of 200 feet coupled to an isolation development tool (2 tight fitting swabs separated by a perforated pipe of 5 to 10 feet). Contractor shall supply generator for pump. Pump/development tool assembly must be movable and moved through the screened interval while pumping. The check valve on the pump must be removed to allow injection of chemical solutions thru the tool. Contractor shall “zone-pump” screen zones from top to bottom incrementally until discharge is relatively clear. Discharge will be directed to on-site tankage for settling prior to disposal to drainage swale. After reaching bottom, “zone pumping” apparatus will be removed. It is estimated that total zone-pumping time will be 8 hours inclusive of installation time and connection time.

**Task 7** - Upon completion of zone-pumping, the Contractor shall, using a chlorine basket, chlorinate the well using chlorine in solution or solid form in sufficient quantity to achieve a 100 parts per million chlorine dose. The chlorine solution will be allowed to remain in the well.

**Task 8** - Video Survey Well

**Task 9** - Demobilize Contractor’s equipment, remove storage tanks and remove all rubbish, empty containers, and waste material from site.

**Task 10** - Install new pump/motor and, as necessary and authorized, new column pipe and wire.

## **SECTION 20-8. SCHEDULE**

The Quail Hollow Well 5A is a critical part of District’s production system. The work shall be performed such that the time that the well is off-line is minimized. The Contractor shall work consecutive 8-hour days (daylight hours) to complete Tasks 1 through 10 as rapidly as possible.

A postulated schedule is as follows:

|              |   |
|--------------|---|
| Day 1 -      | pull pump, run water in well (Task 1)   |
| Day 2 -      | video survey, brush (Task 2-4)          |
| Day 3 thru 5 | set up for and perform jetting (Task 5) |
| Day 6 -      | Zone Pumping (Task 6)                   |

Day 7 - Chlorinate (Task 7)  
Day 8 - Chlorinate (Task 8)  
Day 9 - install new pump, demobilize (Task 9-10)

**SECTION 20-9. SITE CONDITIONS**

The Quail Hollow Well 5A site plan is shown on Figure 2. All activities, parking of equipment and trucks needs to be limited to within the District's yard.

**SECTION 20-10. PAYMENT**

Payment will be made according to the unit price schedule in the contract based on the actual unit quantities expended as determined by the District. Payment for lump sum items shall be made only upon satisfactory completion of the entire task.

**QUAIL HOLLOW WELL 5A**

**UNIT PRICE BID**

| <b>Bid Item No.</b>                    | <b>Approximate Quantity</b> | <b>Task Description/Summary</b>  | <b>Unit Price</b> | <b>Amount</b> |
|--|-----------------------------|--|-------------------|---------------|
| 1.                                     | Lump Sum                    | Remove Existing Pump   | \$                | \$            |
| 2.                                     | Lump Sum                    | Video Survey   | \$                | \$            |
| 3.                                     | Lump Sum                    | Mobilization – Establish Fluid Storage and Handling System   | \$                | \$            |
| 4.                                     | 2 hours                     | Brush well/Bail  | \$ /hr            | \$            |
| 5.                                     | Lump Sum                    | Install Jetting Equipment  |                   |               |
| 6.                                     | 12 hours                    | Jet Well   | \$ /hr            |               |
| 7.                                     | 8 hours                     | Install Zone-Pump. Remove zone-pump  | \$ /hr            | \$            |
| 8.                                     | Lump Sum                    | Chlorinate as described in Task 7.   | \$                | \$            |
| 9.                                     | Lump Sum                    | Video Survey   | \$                | \$            |
| 10.                                    | Lump Sum                    | Demobilize contractor’s equipment, including removal of empty containers, waste disposal and site cleanup. | \$                | \$            |
| 11.                                    | Allowance                   | Furnish and Install New Pump/Motor/Pipe/Wire   |                   | \$15,000.00   |
|  |                             |  |                   |               |
| A.                                     | % (Percent)                 | Contractor’s markup over cost for additional materials or equipment rental if requested by the District.   |                   |               |
| Total bid Price of Items 1 through 11. |                             |  |                   | \$            |
| In words: _____                        |                             |  |                   |               |

Figure 1 – SLVWD Quail Hollow 5A

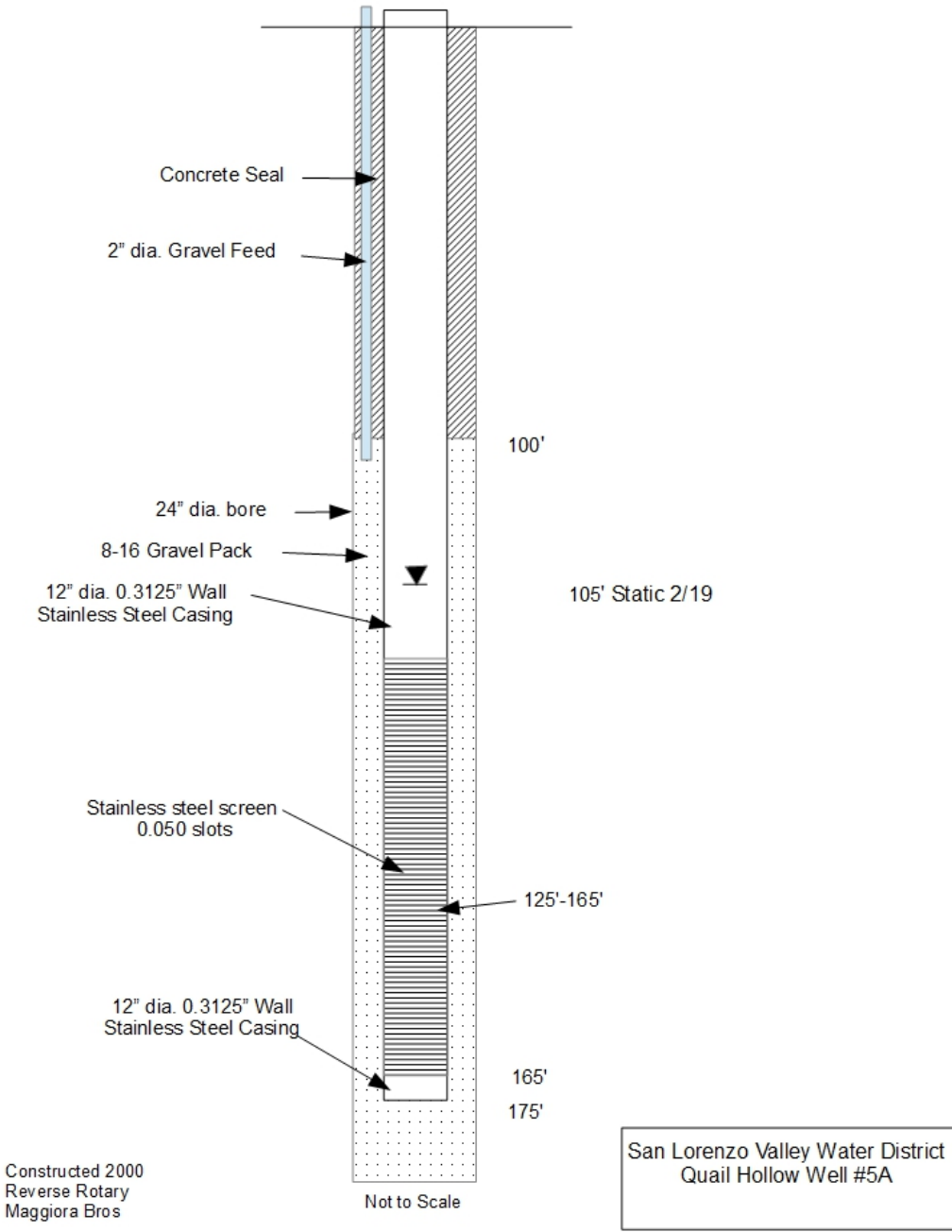


Figure 2 – Site Plan



**TECHNICAL SPECIFICATIONS  
FOR  
REHABILITATION OF SAN LORENZO VALLEY WATER DISTRICT  
OLYMPIA WELL 3**

**SECTION 20-1. SCOPE OF WORK**

San Lorenzo Valley Water District (District) desires to rehabilitate an existing 12-inch diameter, 310-foot deep well located off Zayante Road via mechanical means to restore well performance. The well has a screened interval from 230 to 300 feet. The well is constructed with stainless steel wire-wrapped screen with mild steel blank sections and cellar. A schematic of the well is shown on Figure 1. The Contractor shall provide all equipment, labor, chemicals, and temporary storage facilities to complete the work outlined in these specifications and as directed by the District or their representative.

**SECTION 20-2. QUALIFICATIONS OF CONTRACTOR**

Contractor shall be familiar with all aspects of the work outlined in these specifications and shall possess a C-57 Contractors license. Contractor shall have a minimum of 5 years experience in well servicing and rehabilitation work and shall provide a minimum of three references of similar work completed within the last three years to District at their request.

**SECTION 20-3. COMPLIANCE WITH DISTRICT'S STANDARD SPECIFICATIONS**

As applicable, all work will be performed under the terms and conditions outlined in the District's Standard Specifications. These specifications list insurance requirements, safety and contracting procedures. These specifications are available from the District on request.

**SECTION 20-4. COMPLIANCE WITH APPLICABLE LAWS AND REGULATIONS**

Contractor shall perform all work in strict accordance with all Federal, State, and local regulations, including those applying to the handling, transportation, and disposal of chemicals used or produced on the project. Contractor shall also obtain all permits, if any, required for the performance of the work outlined in these specifications.

**SECTION 20-5. SAFETY**

Job site safety, both during and after working hours, is the sole responsibility of the Contractor. The Contractor, his employees and subcontractors shall be familiar with and comply with all applicable safety regulations and guidelines relating to the transportation, handling, and disposal of the chemicals to be utilized for the work as well as other aspects of the work, including electrical and mechanical safety guidelines and regulations. The Contractor shall also provide for and ensure public safety around the site both during and after work hours. In addition to personal safety equipment for project personnel, the Contractor shall provide and maintain onsite the necessary equipment and materials for spill containment, neutralization, and cleanup of the chemicals utilized or produced during the project work. If the District or their representative determines that any of the safety measures or safety equipment onsite is inadequate or inappropriate he shall stop all work until the safety issue is corrected. No payment for standby time or equipment rental shall be made for such delays in the work.



## SECTION 20-6. CONTRACTORS EQUIPMENT

The Contractor shall provide all necessary equipment, tools, and appurtenances, for the timely completion of the work. Contractor's equipment shall be in complete and safe operating condition, and shall be appropriately maintained and operated during the project. The Contractor shall be solely responsible for the condition of his equipment and shall maintain an inventory of necessary spare parts for the timely repair of equipment in the event of a failure or breakdown. No payment shall be made for standby time or equipment rental caused by a breakdown or failure of the Contractor's equipment. Equipment necessary for the work shall include, but not be limited to the following items:

- Well pump removal rig
- 12-inch diameter nylon "wire" brush block (weighted)
- 10-inch-diameter nominal diameter bailer.
- Jetting tool coupled to high-pressure pump capable of achieving exit velocities of 100 feet per second.
- Zone Pumping Isolation Tool – Electric submersible pump coupled to perforated pipe with 12-inch diameter swabs.
- 5000 gallon minimum open top tankage for water settling before discharge. Trash pumps for transferring fluids between tanks and circulating fluid within tanks.
- Temporary piping and valves for well pump discharge and to disposal location.

Contractors pump rig shall be capable of lifting the bailer or surge block at a minimum velocity of 3 feet/second at the bottom of the well.

## SECTION 20-7. REDEVELOPMENT PROCEDURE

Contractor shall, under the direction of the District or their representative, perform both mechanical and chemical development work on the well to remove deleterious material from the casing and screens. The work shall be performed according to the following general schedule, with allowances for the effectiveness of treatment as determined by the District.

### WORK SCOPE

**Task 1** -Remove existing submersible pump/motor. Existing pump/motor is 40-HP pump set at 279 feet on 3-inch pipe. Column pipe and wire can be left on-site. The pump/motor will be replaced as part of this work. Contractor to provide written opinion and quote regarding need/cost to replace column pipe and wire. If column pipe is not to be replaced Contractor shall provide written estimate to steam clean pipe.

**Task 2** -Video Survey Well. Well will be video surveyed to assess condition and confirm depth. Prior to performing video survey, District will run clear water into well for 12 hours. DVD copies and paper summary of the video survey shall be provided to District.

**Task 3** - Mobilize equipment. Establish facilities for handling and settling discharge water from well. Establish water connection for jetting equipment.

**Task 4** -Wire brush well screens using weighted wire brush for period of 2 hours. After brushing, well will be bailed to bottom to remove fill. Bailed material will be contained on-site. Discharge from bailer should directed to bermed area to decant.

**Task 5** – Insert jetting assembly into well.

Jetting tool must meet the follow criteria:

- Minimum exit velocity of 100 feet per second from each jet.
- Minumum of 4 jets spaced equally circumficially.
- Jets shall be positioned ½ inch from the inside of screen.
- Jetting tool shall be centralized within the casing
- Jetting tool must rotate during operation.

Jet perforated intervals while rotating and vertically moving jetting assembly. Jetting tool shall be moved through the perforated interval at a rate of 5 minutes per foot while rotating. Well will be jetted from bottom to top. After reaching top of screen, assembly will be removed from the well and the well bailed clean. The jetting tool will then be reinstalled and the well jetted from bottom to top again. After the second pass of jetting the well will again bailed clean. It is estimated that total jetting time will be 16 hours, including tool insertion and removal and bailing.

**Task 6** - Install “zone-pumping” tool. Zone-pumping tool shall consist of a submersible pump capable of minimum discharge rate of 100 gpm against TDH of 300 feet coupled to an isolation development tool (2 tight fitting swabs separated by a perforated pipe of 5 to 10 feet). Contractor shall supply generator for pump. Pump/development tool assembly must be movable and moved through the screened interval while pumping. The check valve on the pump must be removed to allow injection of chemical solutions thru the tool. Contractor shall “zone-pump” screen zones from top to bottom incrementally until discharge is relatively clear. Discharge will be directed to on-site tankage for settling prior to disposal to drainage swale. After reaching bottom, “zone pumping” apparatus will be removed. It is estimated that total zone-pumping time will be 12 hours inclusive of installation time and connection time.

**Task 7** - Upon completion of zone-pumping, the Contractor shall, using a chlorine basket, chlorinate the well using chlorine in solution or solid form in sufficient quantity to achieve a 100 parts per million chlorine dose. The chlorine solution will be allowed to remain in the well.

**Task 8** - Video Survey Well

**Task 9** - Demobilize Contractor’s equipment, remove storage tanks and remove all rubbish, empty containers, and waste material from site.

**Task 10** - Install new pump/motor and, as necessary and authorized, new column pipe and wire.

## **SECTION 20-8. SCHEDULE**

The Olympia Well No. 3 is a critical part of District’s production system. The work shall be performed such that the time that the well is off-line is minimized. The Contractor shall work consecutive 8-hour days (daylight hours) to complete Tasks 1 through 10 as rapidly as possible.

A postulated schedule is as follows:

|              |  |
|--------------|--|
| Day 1 -      | pull pump, run water in well (Task 1)    |
| Day 2 -      | video survey, brush (Task 2-4)           |
| Day 3 thru 5 | set up for and perform jetting (Task 5)  |
| Day 6 -      | Zone Pumping (Task 6)                    |
| Day 7 -      | Chlorinate (Task 7)                      |
| Day 8 -      | Chlorinate (Task 8)                      |
| Day 9 -      | install new pump, demobilize (Task 9-10) |

**SECTION 20-9. SITE CONDITIONS**

The Olympia Well No. 3 site plan is shown on Figure 2. All activities, parking of equipment and trucks needs to be limited to the previously disturbed areas.

**SECTION 20-10. PAYMENT**

Payment will be made according to the unit price schedule in the contract based on the actual unit quantities expended as determined by the District. Payment for lump sum items shall be made only upon satisfactory completion of the entire task.

**OLYMPIA WELL 3  
UNIT PRICE BID**

| <b>Bid Item No.</b>                    | <b>Approximate Quantity</b> | <b>Task Description/Summary</b>  | <b>Unit Price</b> | <b>Amount</b> |
|--|-----------------------------|--|-------------------|---------------|
| 1.                                     | Lump Sum                    | Remove Existing Pump   | \$                | \$            |
| 2.                                     | Lump Sum                    | Video Survey   | \$                | \$            |
| 3.                                     | Lump Sum                    | Mobilization – Establish Fluid Storage and Handling System   | \$                | \$            |
| 4.                                     | 2 hours                     | Brush well/Bail  | \$ /hr            | \$            |
| 5.                                     | Lump Sum                    | Install Jetting Equipment  |                   |               |
| 6.                                     | 16 hours                    | Jet Well   | \$ /hr            |               |
| 7.                                     | 12 hours                    | Install Zone-Pump. Remove zone-pump  | \$ /hr            | \$            |
| 8.                                     | Lump Sum                    | Chlorinate as described in Task 7.   | \$                | \$            |
| 9.                                     | Lump Sum                    | Video Survey   | \$                | \$            |
| 10.                                    | Lump Sum                    | Demobilize contractor's equipment, including removal of empty containers, waste disposal and site cleanup. | \$                | \$            |
| 11.                                    | Allowance                   | Furnish and Install New Pump/Motor/Pipe/Wire   |                   | \$15,000.00   |
|  |                             |  |                   |               |
| A.                                     | % (Percent)                 | Contractor's markup over cost for additional materials or equipment rental if requested by the District.   |                   |               |
| Total bid Price of Items 1 through 11. |                             |  |                   | \$            |
| In words: _____                        |                             |  |                   |               |

Figure 1 – SLVWD Olympia Well #3

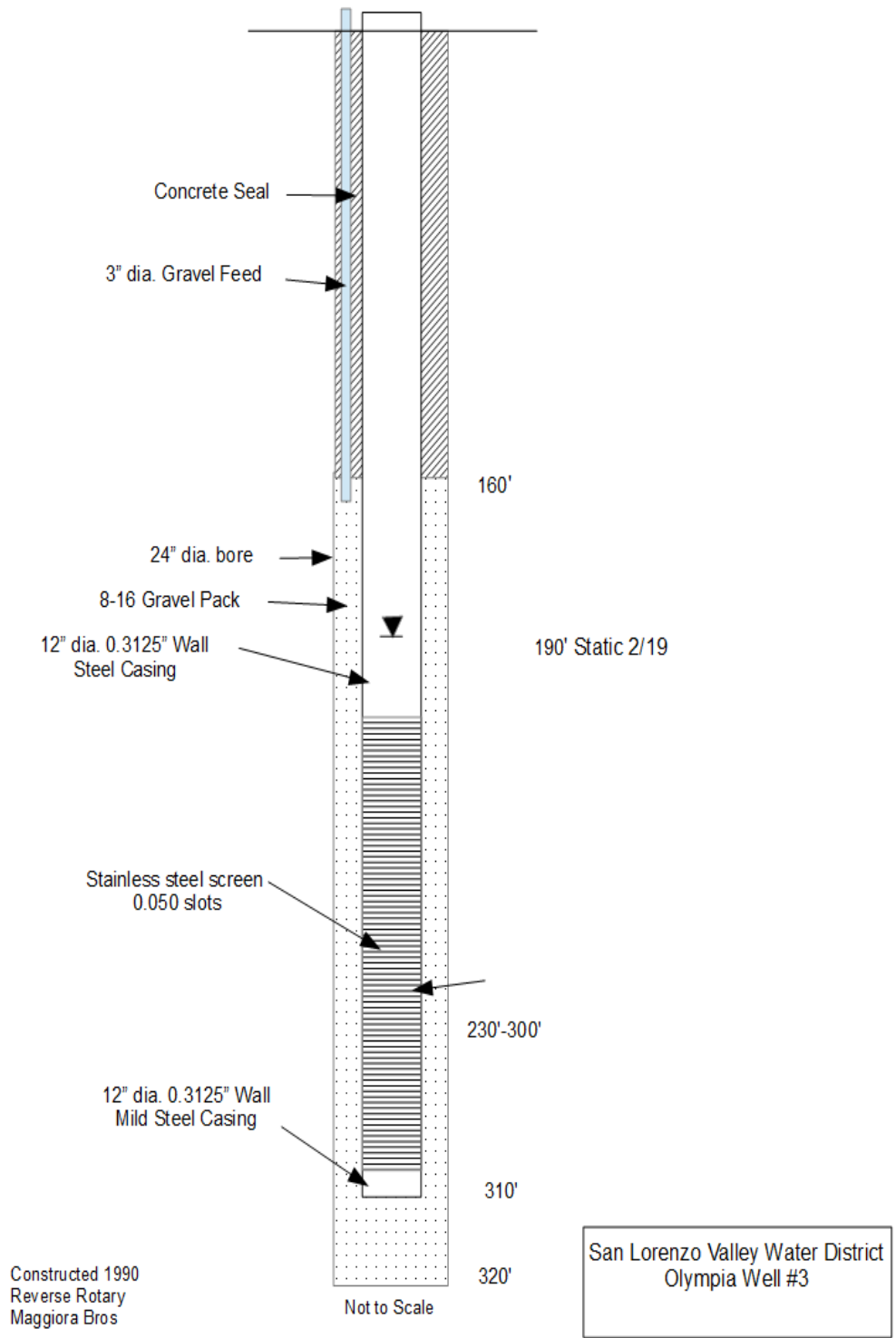


Figure 2 – Site Plan

