

CITY OF WATSONVILLE

COUNTY OF SANTA CRUZ



CITY HALL, 250 MAIN STREET, WATSONVILLE, CALIFORNIA 95076

REQUEST FOR BIDS

LIFT STATION CONTROL IMPROVEMENTS

PROJECT NUMBER: SS-21-14621

MAYOR
Jimmy Dutra

COUNCIL MEMBERS
Eduardo Montesino
Lowell Hurst
Aurelio Gonzalez
Rebecca J. Garcia
Francisco Estrada
Ari Parker

CITY MANAGER
Matt Huffaker

BID OPENING

THURSDAY, JULY 22, 2021, 11:00 AM

FOR QUESTIONS CALL (831) 768-3116

INVITATION TO BID

PROJECT NAME: Lift Station Control Improvements

PROJECT NO. SS-21-14621

BID OPENING DATE: Thursday, July 22, 2021, 11:00 a.m.

Notice is hereby given that the Purchasing Officer of the City of Watsonville will receive sealed bids at City Hall, 250 Main Street, Watsonville, California 95076 for the above listed project.

All bidders and contractors shall be licensed in accordance with the laws of the State of California. At the time the contract is awarded the Contractor shall possess a **Class A, C-10, or C-7 Contractor's License**.

The Engineer's estimate is \$150,000.

Questions regarding the bid documents should be directed to Kurt Cotten, Project Manager, at the City of Watsonville Public Works Department, 250 Main Street, Watsonville, CA. Telephone (831) 768-3116 email kurtis.cotten@cityofwatsonville.org.

All bids shall be accompanied by one of the following forms of bidder security:
BID BOND NO LONGER REQUIRED.

Public Works Contractor Registration. Pursuant to Section 1771.1 of the California Labor Code, no contractor or subcontractor shall be qualified to bid on, be listed in a bid proposal, or engage in the performance of any contract for public work unless currently registered with the Department of Industrial Relations to perform public work pursuant to Section 1725.5 of the Labor Code. *It shall not be a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Sections 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.*

No contractor or subcontractor may be awarded a contract for public work on a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5.

Bidders and their subcontractors (listed on Subcontractors List) must provide an extract at time of bid showing active registration from the Public Works Contractor Registration online registration at <https://cadir.secure.force.com/ContractorSearch>

All contractors and subcontractors must furnish electronic certified payroll records directly to the Labor Commissioner (aka Division of Labor Standards Enforcement). Additionally, the awarded Contractor shall submit certified payroll records to the City.

In addition, awarded Contractor must post jobsite notices prescribed by regulations.

GENERAL PROVISIONS

1.01. GENERAL BIDDING CONDITIONS

1.01A. BID OPENING. Bids will be received until the time and date of the bid opening, according to the official clock in Purchasing Officer's office, after which time they shall be opened at 250 Main Street, Watsonville, California.

1.01B. DELIVERY OF BID. In order to insure receipt of the Contractor's bid, the Contractor should hand deliver bid to 250 Main Street, Watsonville, CA, c/o Purchasing Officer, prior to the appointed bid opening time. At the Contractor's risk, bids may be **mailed to City of Watsonville, 250 Main Street, Watsonville, CA 95076**, c/o Purchasing Officer (831) 768-3462.

1.01C. SUBMITTAL OF BID. Each bidder must submit a proposal addressed to the City of Watsonville and must be submitted in a single sealed envelope. All bid envelopes will be plainly marked on the front with the project name, project number and bid opening date and time. All bids shall include the "Statement of Experience of Bidder", the "List of Proposed Subcontractors" and bonds when required. The entire specifications booklet does not have to be included.

1.01D. AUTHORIZED SIGNATURE. All bids will be signed by a responsible officer of the responding company.

1.01E. ACCEPTANCE OF BID. All bids will be subject to the approval of the City of Watsonville, which reserves the right to reject any or all bids or any part of any bid, waive any irregularities, and to determine which bid in its opinion is the lowest responsible bid or bidder and is in the best interest of the City of Watsonville.

1.01F. PERMITS & LICENSES. The Contractor shall procure all permits and licenses, pay all charges and fees, and give all notices incident to the lawful prosecution of the work. Before execution of the contract, the **Contractor shall possess a City of Watsonville Business License.**

1.01G. REGISTRATION OF CONTRACTORS. Before submitting bids, contractors shall be licensed in accordance with the provisions of Chapter 9 of Division III of the Business and Professions Code.

1.01H. STATEMENT OF EXPERIENCE OF BIDDER. The bidder is requested to state on the included form, what work of similar magnitude or character the bidder has done, and to give reference that will enable the City to judge bidder's experience, skill, business standing and ability to conduct the work as completely and as rapidly as required under the terms herein.

1.01I. SUBCONTRACTORS. Each proposal shall have listed therein the name and address of each subcontractor to whom the bidder proposes to subcontract portions of the work in an amount in excess of 1/2 of one percent of his total bid or \$10,000, whichever is greater, in accordance with the Subletting and Subcontracting Fair Practices Act, commencing with Section 4100 of the Public Contract Code. Copies of Contractor's contracts with subcontractors shall be furnished to the City Engineer prior to subcontractor performing any work.

1.01J. PREVAILING WAGE. The Contractor shall, as a penalty to the City, forfeit twenty-five dollars (\$25.00) for each working day, or portion thereof, for each worker paid less than the stipulated prevailing rates for such work or craft in which such worker is employed for any public work done under this proposal by the Contractor or any of Contractor's subcontractors. The difference between such stipulated prevailing wage rates and the amount paid to each worker for each working day or portion thereof for which each worker was paid less than the stipulated prevailing wage rate shall be paid to each worker by the Contractor. The provisions of Section 1775 of the Labor Code will be complied with.

Pursuant to the state of California, or local law thereto applicable, the City Council hereby determines that the general prevailing per diem rate in the locality in which the work is to be performed, for laborers and for each craft or type of worker and mechanic employed in the execution of the work, is the current Union Wage Scale established for Santa Cruz County.

1.01K. POSTING MINIMUM WAGE RATES. The Contractor shall post a schedule showing all determined minimum wage rates and all authorized deductions, if any, from unpaid wages actually earned.

1.01L. PAYMENT OF EMPLOYEES. The Contractor and each of the subcontractors shall pay each employee engaged in work on the project, in full, less deductions made mandatory by law, and not less often than once a week.

1.01M. RESPONSIBILITY FOR WORK. Except as herein otherwise provided, until the formal acceptance of all work by the City, the Contractor shall have the charge and care thereof and shall take every necessary precaution against injury or damage to any part thereof from any cause whatever. The Contractor shall rebuild, repair, restore and make good all injuries or damages to any portion of the work occasioned by any cause before its acceptance, and shall bear the expense thereof.

1.01N. RESPONSIBILITY FOR DAMAGE. The City of Watsonville, the City Council, or the Engineer shall not be answerable or accountable in any manner for any loss or damage that may happen to the work or any part thereof; or for any of the materials or other things used or employed in performance of the work; or for injury to any person or persons, either workers or the public; for damage to property from any cause which might have been prevented by the Contractor, or any of the workers, or anyone employed by Contractor, against all of which injuries or damages to persons and property the Contractor having control over such work must properly guard.

The Contractor shall be responsible for any liability imposed by law for any damage to any person or property resulting from defects or obstructions or from any cause whatsoever during the progress of the work or at any time before its completion and final acceptance, and shall indemnify and save harmless the City of Watsonville, the City Council and the Engineer from all suits or actions of every name and description brought forth or on account of any injuries or damages received or sustained by any person or persons, by or from the Contractor, Contractor's servants or agents, in the construction of the work, or by or in consequence of any negligence in guarding the account of any act or omission of the Contractor or Contractor's agents, and in addition to any remedy authorized by law, so much as shall be considered necessary by the City Council may be retained by the City of Watsonville, until disposition has been made of such suits or claims for damages as aforesaid.

The Contractor shall be responsible for any liability imposed by law or for any damage to any person or property and shall indemnify and save harmless the City of Watsonville, its officers and employees, all in the same manner and to the same extent as provided above for the protection of the City, the City Council, and the Engineer, except that no retention of money due the Contractor under and by virtue of this proposal will be made by the City of Watsonville pending disposition of suits or claims for damages brought against the said City.

1.01O. LEGAL RESPONSIBILITIES. The provisions of Sections 1771, 1774, 1775, 1776, 1777.5, 1813, and 1815 of the State of California Labor Code shall be complied with.

Public Works Contractor Registration. Pursuant to Section 1771.1 of the California Labor Code, no contractor or subcontractor shall be qualified to bid on, be listed in a bid proposal, or engage in the performance of any contract for public work unless currently registered with the Department of Industrial Relations to perform public work pursuant to Section 1725.5 of the Labor Code. *It shall not be a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Sections 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.*

No contractor or subcontractor may be awarded a contract for public work on a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5.

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All contractors and subcontractors must furnish electronic certified payroll records directly to the Labor Commissioner (aka Division of Labor Standards Enforcement). Additionally, the awarded Contractor shall

submit certified payroll records to the City.

In addition, awarded Contractor must post jobsite notices prescribed by regulations.

1.02. INSURANCE REQUIREMENTS

Before commencement of work, the successful bidder shall file with the City a certificate or certificates of insurance covering the specified insurance.

If such policies are canceled or changed during the period of coverage 30 days written notice by certified mail, return receipt requested, shall be given to the City of Watsonville. The certificate cancellation paragraph must state: "The insurance company will notify the City of Watsonville in writing 30 days prior to canceling the stated policy".

All policies shall contain an additional insured endorsement naming the City of Watsonville and its officers and employees as additional insured. Commercial Liability Form CG2010 is required. See sample form attached.

All insurance certificates must bear the name, address, telephone number and name of contact representative for the insurance firm writing policy.

1.02A. PUBLIC LIABILITY AND PROPERTY DAMAGE INSURANCE. Contractor shall take out and maintain during progress of the work and until acceptance thereof such public liability and property damage insurance, by an insurer acceptable to the City, that shall protect Contractor and any subcontractor performing work on this project from any claims for property damage which may arise because of the nature of the work or operations whether such operations be by Contractor or by any subcontractor or anyone directly or indirectly employed by either of them, even though such damage be not caused by the negligence of the Contractor or any subcontractor or anyone employed by either of them.

1.02A(1). CONTRACTORS LIABILITY INSURANCE. Provide bodily injury liability limits of not less than \$500,000 for each person, and \$500,000 for each accident or occurrence, and property damage liability limits of not less than \$500,000 for each accident or occurrence with an aggregate limit of \$500,000 for claims which may arise from the operations of the Contractor in the performance of the work hereunder provided. This insurance must include coverage for contractual liability assumed by the Contractor under Paragraph 1.01M, Responsibility for Work.

1.02A(2). AUTOMOBILE LIABILITY INSURANCE. All vehicles used in the performance of the contract shall be covered by bodily injury liability limits of not less than \$500,000 for each person and \$500,000 for each accident or occurrence, and property damage liability limits of not less than \$500,000 for each accident or occurrence which may arise from the operation of the Contractor in performing the work provided for herein; and uninsured motorist coverage.

1.02A(3). WORKER'S COMPENSATION INSURANCE. Before beginning the work, the Contractor shall furnish to the City satisfactory proof that Contractor has taken out, for the period from commencement to acceptance of the work, full compensation insurance for all persons employed directly by Contractor or through subcontractors in carrying out, in accordance with the "Worker's Compensation and Insurance Act", Division IV of the Labor Code of the State of California and any acts amendatory thereof. Such insurance shall be maintained in full force and effect during the period herein stated.

1.03. BOND REQUIREMENTS

1.03A PROPOSAL GUARANTY NO BOND REQUIRED.

1.04. CONTRACTOR'S ACKNOWLEDGMENT

Bidder proposes and agrees, if this proposal is accepted, that bidder will provide all necessary machinery, tools, apparatus and other means of construction; to furnish all materials, to provide all labor necessary to construct, and to construct the improvements in conformity with the specifications and drawings and other provisions

herein contained or reasonably implied thereby or as necessary to complete the work in the manner and within the time named herein and according to the requirements and to the reasonable satisfaction of the Engineer; to pay all charges of freight transportation and hauling and all applicable taxes; to indemnify the City against any loss or damage arising from any act of the undersigned as Contractor; and that Bidder will take in full payment therefore an amount computed by the Engineer and based on the unit prices submitted by the Contractor. It is understood that the quantities set forth herein are approximate only and are for the purpose of comparison of bids.

2.01 GENERAL CONDITIONS

The work shall be performed in conformance with the project plans and specifications, the City of Watsonville Public Improvement Standards and the current revision of the State of California Department of Transportation Standard Specifications.

In case of conflict between the State of California Department of Transportation Standard Specifications and the project plans and specifications, the project plans and specifications shall control.

Any item not covered in the project plans or specifications shall be performed in accordance with the appropriate section of current revision of the State of California, Department of Transportation, Standard Specifications.

Where in these specifications or on the plans reference is made to the State of California Standard Specifications, State Standard Specifications or Standard Specifications, the intent is to reference the current revision of the State of California, Department of Transportation, Standard Specifications.

2.02. MAINTAINING TRAFFIC AND PUBLIC SAFETY

This section defines the Contractor's responsibility with regard to providing for the passage of public traffic through the work area and for the safety of the public during construction.

- a. The Contractor shall perform traffic control in conformance with Section 7-1.08, "Public Convenience", and Section 7-1.09 "Public Safety", of the Standard Specifications, except as herein modified.
- b. Attention is directed to Section 12, "Construction Area Traffic Control Devices," of the Standard Specifications for requirements concerning flagging, traffic-handling equipment, and devices used in carrying out the provisions of Section 7-1.08 and Section 7-1.09.
- c. Traffic control signs, barricades, lights, and other warning and safety devices shall conform to the current revision of the "Manual of Warning Signs, Lights, and Devices for Use in Performance of Work Upon Highways", issued by State of California, Business and Transportation Agency, Department of Transportation, and these General Provisions and the project plans and Special Provisions.
- d. The Contractor shall notify local authorities of Contractor's intent to begin work at least 5 days before work is begun. The Contractor shall cooperate with local authorities relative to handling traffic through the area and shall make his own arrangements relative to keeping the working area clear of parked vehicles.
- e. Personal vehicles of the Contractor's employees shall not be parked on the traveled way or shoulders, including any section closed to public traffic.
- f. Existing roadside signs shall not be removed until replacement signs have been installed or until the existing signs are no longer required for the direction of public traffic, unless otherwise directed by the Engineer. Each sign to be reset shall be reset on the same day of removal.
- g. The Contractor shall so conduct operations as to offer the least possible obstruction and inconvenience to public traffic. Construction equipment shall interfere as little as possible with the free passage of traffic.

- h. Convenient access to driveways, houses and buildings along the line of work must be maintained. Access shall be maintained and temporary approaches to crossings shall be provided at all times and kept in good condition.
- I. Spillage resulting from hauling operations along or across the traveled way shall be removed immediately at the Contractor's expense.
- j. Whenever the Contractor's operation creates a condition hazardous to traffic or to the public, the Contractor shall furnish, at his own expense and without cost to the City, such flagmen, guards and devices as are necessary to give adequate warning to the public of any dangerous conditions to be encountered. The Contractor shall furnish, erect, and maintain such fences, barricades, lights, signs, and other devices as are necessary to prevent accidents and avoid damage or injury to the public. These provisions shall be approved by the Engineer.
- k. Should the Contractor appear to be negligent in furnishing warning or protective measures, as provided herein, the Engineer may direct attention to the existence of a hazard and the necessary warning and protective measures shall be furnished and installed by the Contractor at his own expense. Should the Contractor fail to provide or be negligent in furnishing and maintaining warning and protective facilities, as herein required, the City may call upon others to furnish and maintain such facilities and charge the Contractor by deducting the cost thereof from monies due or to become due the Contractor.
- l. The Contractor shall have under construction no greater length than can be prosecuted properly in daily operations.
- m. The Contractor shall notify the affected property occupants twenty-four (24) hours in advance of the closing of any driveway or portion of the street. The closing of the street shall be by permission of the Engineer. The Fire and Police Departments, ambulance service and transit districts shall be notified by the Contractor of the closing and opening of all streets.
- n. Full payment for conforming to the above requirements of maintaining traffic and public safety shall be considered as included and no other separate payment will be made therefore.

2.03. INSPECTION

- a. All work done and all materials and equipment furnished under this contract shall be subject to the inspection and approval of the Engineer.
- b. The Engineer shall at all times have access to the work during its construction, and shall be furnished with every reasonable facility and assistance for ascertaining that the materials and the workmanship are in accordance with the requirements and intent of the project plans and specifications.
- c. An inspector shall have the authority to order work stopped, if in the inspector's opinion such action becomes necessary.
- d. The inspection of the work does not relieve the Contractor of the obligation to fulfill the contract as prescribed. Any work, materials, or equipment not meeting the requirements and intent of the plans and specifications may be rejected, and unsuitable work or materials shall be made good.
- e. Any work constructed without inspection as provided above, or constructed contrary to the instructions or orders of the Engineer, if requested by the Engineer, shall be uncovered for examination and properly reconstructed at the Contractor's expense.
- f. Construction inspection of those items of work pertaining to the various utilities involved will also be subject to the utility company's inspection.
- g. The Contractor shall notify the Engineer at least twenty-four (24) hours in advance of work, verbally, with a follow up in writing, whenever any of the following applies:

1. Starting work or
2. Suspending work or
3. Starting work after suspension of operation.

2.04. COORDINATION OF WORK WITH OTHER CONTRACTORS AND CITY WORK CREWS

Nothing herein contained shall be interpreted as granting the Contractor exclusive occupancy of the site of the work. Contractor shall not cause any unnecessary delay to any other Contractor working on any project which encompasses the work. If the performance of any work is likely to be interfered with by the simultaneous execution of some other contract or contracts, City shall decide which Contractor shall cease work temporarily and which Contractor shall continue, or whether the work can be coordinated so that the contractors may proceed simultaneously.

The City reserves the right to do work with its own forces, or to let other contracts for work on or contiguous to the work set forth in these plans and specifications.

The City shall not be responsible for any damage suffered or extra costs incurred by Contractor resulting directly or indirectly from the award or performance or attempted performance of any other contract or contracts on the work, or caused by any decision or omission of City respecting the order of precedence in the performance of the contracts awarded for the completion of the work.

Full compensation for coordination of work with other contractors and City work crews, if any, shall be included in the contract price paid for other pay items and no additional compensation will be allowed therefore.

2.05. WATERING

Developing water supply and applying water shall conform to the provisions of Section 10-6, "Watering", of the Caltrans Standard Specifications (2018) and these General Provisions.

Water for the work may be purchased from the City Public Works - Water Division at the standard rate for water used. A meter may be obtained from the Water Division with a **\$736.11 deposit, \$121.99 setting fee, of which is non-refundable**, and will be installed by City personnel. The Contractor shall be charged for repair or replacement of a damaged or lost meter. The Contractor shall be entitled to only one fire hydrant meter location installation without additional charge.

Full compensation for developing water supply and applying water, including water used for dust control, shall be considered as included in the prices paid for the various contract items of work and no additional payment will be made therefor.

2.06. UTILITIES

Locations of existing utilities shown on the plans are only approximate. The Contractor shall call "USA" (Underground Service Alert) at **811** for the marking of underground facilities.

Contractor will notify the City Water Division at **768-3143**, three (3) working days prior to work starting on any phase, including the initial locating.

The existing utilities shown on the accompanying plan set were plotted using information provided by the individual utilities. It should be expressly understood that this information does not necessarily represent actual site conditions or show details of exact location, depth or other construction features of these utilities. No warranty, either expressed or implied, as to the completeness or accuracy of this information is set forth herein.

The Contractor is responsible for potholing and verifying such utilities to determine their exact location prior to excavation or trenching in their locality. The cost of this work shall be considered as included in contract unit prices bid for applicable items of work, and no additional compensation will be allowed.

- a. Reconstruction, Relocation or Adjustment Unless otherwise indicated on the drawings or specified herein, the Contractor shall maintain all water, gas, and sewer lines; cable television, traffic signal, lighting, power

and telephone conduits; structures, house connection lines, and other surface or subsurface structures of any nature that may be affected by the work. If the Contractor fails to maintain and protect such facilities, the City reserves the right, if requested by the owner, to permit the owner to move or maintain the utility at the Contractor's expense.

Should it become necessary in the performance of the work to disconnect or reroute any underground utility due to a direct conflict with the new work, disconnection or rerouting will be paid for as extra work unless otherwise specified on the plans or specifications. If the utility is not City-owned, it will be disconnected or rerouted by the utility company involved and a time delay will be given to Contractor without any extra work.

The above requirements are intended to apply to utility lines which cross the line of the facility being constructed at approximately right angles. Should a utility line be encountered during construction which intersects the trench line at any angle of thirty degrees (30), or less, and which is not so designated on the drawings, all costs of rerouting or relaying such utility made necessary by the work will be considered as extra work. However, if the utility line is shown on the drawings, all costs of rerouting or relaying such utility made necessary by the work shall be borne by Contractor.

The right is reserved by the City of Watsonville and by owners of public utilities and franchises to enter upon any street, road, right of way, or easement for the purpose of maintaining their property and making necessary repairs or changes caused by this work.

- b. Damages to Water or Sewer Services The work shall be so prosecuted that no damage will be done to the existing water or sewer facilities. In the event that water services are broken or damaged between the meter and the point of service, the Contractor shall immediately, at Contractor's own expense, repair such damage in a manner satisfactory to the Engineer, in order that the water supply will not be interrupted for a period greater than one (1) hour. If such interruption is sustained, it shall be the Contractor's responsibility to notify the occupants of the premises to which said services are connected so that no damage will occur on said premises.

Whenever damage is done to water mains, water meters, services between the City mains and said water meters, fire hydrants, or other appurtenances, Contractor shall make immediate temporary repairs or take other action to prevent water flow and any damage therefrom. City Water Department forces shall make or cause to be made any needed permanent repairs and the cost thereof shall be borne by the Contractor. Whenever sewer facilities are broken or damaged, the Contractor shall take immediate steps to provide for continuation of flow and immediately notify the City of the damage.

- c. Damages to Gas, Electric, Cable Television or Telephone Services. Caution shall be exercised in the prosecution of the work so gas, electric, cable television, or telephone services will not be damaged. In the event damage is done to any gas, electric, cable television, or telephone facility by the Contractor, the Contractor shall immediately notify the respective utility company. Repairs shall be made by the utility company at the Contractor's expense.

The Contractor shall notify Pacific Gas and Electric Company at least three (3) working days in advance of such time that excavation or other work is to be done in the vicinity of high pressure gas lines.

- d. Maintaining Existing Electrical Systems Caution shall be exercised to maintain existing electrical and traffic signal systems in effective operation in conformance to the provision of Section 86-1.05 "Maintaining Existing and Temporary Electrical Systems", of the State of California, Department of Transportation, Standard Specifications.

2.07. ITEMS NOT LISTED, INCREASE OR DECREASE IN QUANTITIES

Items of labor or material which are not specifically listed in the Proposal or Special Provisions as pay items, but which are shown and/or mentioned on the plans, or are required to complete the overall project, shall be considered as included in other pay items, and no additional compensation will be allowed therefore.

The City reserves the right to increase or decrease the quantity of any item of work by more than twenty-five per

cent (25%) and no adjustment shall be made in the contract unit price paid for the actual quantity of work and no additional compensation will be allowed.

2.08. OBSTRUCTIONS

Attention is directed to Section 8-1.10, "Utility and Nonhighway Facilities", and Section 15, "Existing Highway Facilities", of the Standard Specifications.

In case of surface construction, the provisions of Section 71.11, "Preservation of Property", and Section 7-1.12, "Responsibility for Damage", of the Standard Specifications will apply. Wherever work causes removal or damage to existing improvements, fences, sidewalks, pavement, drainage facilities, trees, landscaping, etc., they shall be replaced with like materials to the satisfaction of the Owner, and no additional compensation will be allowed therefore.

2.09. STORAGE OF MATERIALS

No material shall be stored within two feet (2') of the edge of the pavement or traveled way or within the shoulder line where the shoulders are narrower than five feet (5'). No supplies or equipment shall be stored on the City streets or right of ways, or public parking lots. Private properties may be used for storage when permission in writing is granted by the property owners.

2.10. START AND COMPLETION OF WORK

Contractor shall start work on an assigned project/area within 15 working days of written notification of the assigned project/area and shall proceed diligently until completion or the contract may be terminated by the City.

2.12. GENERAL CLEAN-UP

Clean-up and finishing project shall conform to Section 22, "Finishing Roadway", of the Standard Specifications, the plans, and as provided herein.

Should the Contractor appear to be negligent in furnishing cleanup as provided herein, the Owner may call upon others to provide clean-up and charge the Contractor therefore by deducting the cost thereof from any progress payments due the Contractor, as such costs are incurred by the Owner.

2.13. INTERIM CLEAN-UP

This work shall consist of clean-up at end of daily operations and whenever directed by the Engineer. Traveled lanes opened for public traffic shall be swept clean of all dirt and foreign material at all times. If ordered by the Engineer, the Contractor shall provide a street sweeper on stand-by basis at Contractor's own expense. The procedures for interim clean-up on various streets shall adhere to the following requirements:

At the end of daily operation, trenches shall be backfilled and all excavated and surplus material shall be removed and disposed of outside the project area. The existing pavement shall be swept clean of all dirt and foreign material. The entire working area shall be left in a neat and presentable condition.

Residue resulting from sawcutting operations shall not be permitted to flow across sidewalks, shoulders or lanes occupied by public traffic and shall be removed from the pavement or concrete surface.

Payment for interim clean-up as provided herein will not be made and shall be considered as included in the various contract items of work involved, and no separate payment will be made therefore.

2.14. FINISHING PROJECT

The finished surfaces in all cases shall conform with the lines, grades, and dimensions as shown on the plans. Upon completion and before making application for the acceptance of the work, the Contractor shall clean all areas occupied by the Contractor in connection with the work and remove all debris, excess materials, waste

materials, and the Contractor's temporary structures and equipment. The entire project shall be left in a neat, clean, and presentable condition.

In the event that asphalt concrete, asphalt rejuvenating agent, fog seals, or other foreign materials drift across the existing concrete gutter, the Contractor shall sweep, clean, and remove all such foreign materials to the satisfaction of the Engineer.

Payment will be made after the final inspection has been completed and accepted by the inspector under "Demobilization" in the contract.

2.15. PAYMENT FOR LUMP SUM ITEMS

Lump sum items under the contract, except where unit price per item form the basis of payment, shall be further detailed to show the value assigned to each component of work.

The Contractor shall, within five (5) working days of receipt of the Notice to Proceed, submit a complete breakdown of each lump sum item. In submitting the breakdown the Contractor certifies that the values assigned to each part of the work is balanced and represents his estimate of the actual cost, including profit and overhead, for performing the work. The breakdown shall be sufficiently detailed to permit the Engineer to evaluate the payments.

2.16. PAYMENT FOR LABOR AND EQUIPMENT

The Contractor shall pay, and cause his subcontractors to pay, any and all accounts for labor including Workman's Compensation premiums, State Unemployment and Federal Social Security payments, and all other wage and salary deductions required by law. The Contractor also shall pay, and cause his subcontractors to pay, any and all accounts for services, equipment, and materials used by the Contractor and/or his subcontractors, during the performance of work under this contract. All such accounts shall be paid prior to becoming delinquent under the terms agreed upon between Contractor and supplier.

When requested in writing by the City, the Contractor shall furnish, within five (5) working days of Contractor's receipt of City's request, a record of payments for all such accounts. If, by the end of five (5) working days, the Contractor has not produced such documentation, the City shall direct the Contractor to cease work until the Contractor provides the City with proof that all amounts delinquent have been paid. The cessation, under the terms of this paragraph, of work by the Contractor shall be at no additional cost to the City, nor will the Contractor receive a contract time extension for any resulting delay in the work.

SPECIAL PROVISIONS

SECTION 1 - GENERAL

1.1 Project Schedule

It is proposed that the Construction Contract for this project be awarded to the winning bidder and the winning bidder be notified of this award within 72 hours of the opening of the bid. After this date, the Contractor shall proceed with obtaining required insurance, bonding, etc and shall diligently pursue entering into a formal contractual agreement with the City. The Notice to Proceed will be issued by the City after signed contracts have been completed.

1.2 Description of Work

The work to be completed consists of, generally:

- Furnishing and installing KPSI or approved equal pressure transducers at up to 8 sewer pump station locations. Removal of existing pump controller, switches, lights, hour meters, bubbler tubes and components that have been replaced by the transducer/PLC/float.
- Developing a standard program for the PLCs and HMIs that can be deployed at all lift stations with minor modifications for location-specific operational setpoints.
- Installing City-furnished Automatic Direct DL06 PLCs at up to 6 sewer pump station locations and integrating the standard program to the PLC.
- Integrating the standard program to two pump stations with existing PLCs.
- Providing, installing, and integrating back-up floats to turn on pumps in the event of a transducer failure at up to 2 locations.
- Integrating existing floats into the PLC control system at up to 6 locations.
- Furnishing, installing, and integrating HMIs and any required switches into the control system, and all associated relocation of relays and/or modification of existing panels at up to 8 pump stations.
- Furnish, install, and integrate VFDs for two Flygt submersible pumps.
- Installing, programming, starting, and integrating city-provided radios and associated wiring at up to 8 pump stations. Remove existing radios and appurtenances.
- Modify Plant SCADA computer tags and screens to reflect changes and new equipment installed in the field.
- Provide a means of operating the lift station while the improvements are being implemented.
- Test and verify operation of all equipment.
- Provide control panel drawings and component parts list.
- Bid Item 11 provides an allowance for optional controls integration items directed by the City which may include some or all of the following, depending on budget:
 - Installing intrusion alarms that report to the operator on call.
 - Installing new motor starters.

The work will be at various locations throughout the City of Watsonville, California, as shown in Appendix A. There are 8 lift stations in total associated with this project. COW may proceed with any number of installations at any time depending on pricing, budget, and the availability of the selected contractor.

1.3 Increased and Decreased Quantities

The engineer's estimate is the total budget currently allocated for this project. The bid quantities provided in the bid sheet are for comparison purposes in determining low bid. Actual quantities awarded may vary depending on the bid unit pricing, total budget available, and prioritization of various lift stations and bid items. The City reserves the right to increase or decrease the quantity of any item of work by more than twenty-five per cent (25%), and/or eliminate certain bid items completely, and no

adjustment shall be made in the contract unit price paid for the actual quantity of work and no additional compensation will be allowed.

1.4 Preservation of Stakes and Marks

Contractor shall preserve carefully bench marks, reference points, and stakes, and in case of willful or careless destruction the Contractor will be charged with the resulting expenses of replacement and shall be responsible for any mistakes that may be caused by their unnecessary loss or disturbance. This charge will be deducted from the monies due or to become due the Contractor.

1.5 Essential Government function during COVID-19 Crisis

At the time of issuance of these bid documents, the State of California and County of Santa Cruz have declared a state of emergency in response to COVID-19. This project is considered an essential service for maintaining the public sewer utility, therefore it is expected that the contractor will execute the contract in accordance with the Contract Documents. The contractor is expected to implement their own worker safety guidelines in compliance with all applicable California Division of Occupational Safety and Health standards implemented during this crisis which may include social distancing, wearing facing coverings, handwashing, cleaning and disinfection of commonly used tools and areas, and requiring employees to stay home should they be experiencing any symptoms of illness. No additional compensation will be provided to the Contractor in relation to complying with COVID-19 related requirements from the State and County.

1.6 Management of Sewage Flows

The Contractor shall perform the work in a manner that does not disrupt the operation of the lift stations. Contractor shall coordinate with City operations staff to ensure that the operation of the lift stations are not interrupted to create the potential for sewer backups in the performance of the work. Backups, spills, dumping or free flow of sewage on private property, gutters, streets, sidewalks, or into storm sewers is not allowed. The Contractor shall be held liable for all cleanup, damages, and resultant fines in the event of a spill.

SECTION 2 - DESCRIPTION OF BID ITEMS

BID ITEM NO. 1 PRESSURE TRANSDUCERS

The selected bidder shall provide all labor, material, and equipment to deliver a fully functional pressure transducer level monitoring system that is tied into the lift station's control system. Work may include but is not limited temporary lift station control to remove existing bubble level controller; removal of bubble level controller, compressor, tubing, and all associated appurtenances; installation of new pressure transducer, means of mounting in the lift station wet well, all associated conductors from transducer to control panel and associated relays and wiring inside panel; startup and testing of 4-20mA range and loop functional testing, and any other items necessary to provide a complete installation. Remaining holes from removed equipment shall be covered.

PAYMENT

Payment for transducer installations shall be per each lift station and paid at the contract unit price upon completion of an installation.

BID ITEM NO. 2. PLC PROGRAM

The selected bidder shall develop a standard program that can be deployed to all PLCs with minor modifications for location-specific set points. The selected bidder will have access to the existing programs for pump stations 13 and 17.

PAYMENT

Payment for programming shall be paid as a lump sum once the program has been completed and found to be acceptable to the COW.

BID ITEM NO. 3. INSTALL PLCs

The selected bidder shall install City-furnished Automatic Direct DL06 PLCs at up to 6 pump stations. Work may include but is not limited to mounting the PLC in a city-approved location, deploying the standard program, integrate the PLCs into all applicable pump station appurtenances, installing all required conduits and wiring, and any other items necessary to provide a fully functional PLC controlled lift station.

PAYMENT

Payment for PLC installations shall be per each lift station and paid at the contract unit price upon completion of an installation.

BID ITEM NO. 4 PROGRAM EXISTING PLCs

The selected bidder shall deploy the standard program to up to two existing PLCs and ensure they are fully functioning with the pressure transducer, float, and new radio installed with this project.

PAYMENT

Payment for program deployments shall be per each lift station and paid at the contract unit price upon completion of an installation.

BID ITEM NO. 5 BACK-UP FLOATS

Selected bidder shall provide all labor, materials, and equipment to furnish and install back-up floats in the wet well at up to two lift stations. The back-up floats shall be integrated into the pump station by the selected bidder. The work shall include any wiring and appurtenances required to achieve a complete professional installation.

PAYMENT

Payment for back-up float installations shall be per each lift station and paid at the contract unit price upon completion of an installation.

BID ITEM NO. 6 EXISTING BACK-UP FLOATS

Selected bidder shall provide all labor, materials, and equipment to integrate existing back-up floats with the PLC control system at up to 6 lift stations. The work shall include any wiring and appurtenances required to achieve a complete professional installation.

PAYMENT

Payment for back-up float integrations shall be per each lift station and paid at the contract unit price upon completion of an installation.

BID ITEM NO. 7 HMIs

Selected bidder shall furnish and provide all labor, materials, and equipment to install and program a city-approved HMI capable of displaying basic information at up to 8 lift stations. Work shall include mounting the HMI at a city-approved location and installing all conductors and wiring in a good and workmanlike manner.

PAYMENT

Payment for HMI installations shall be per each lift station and paid at the contract unit price upon completion of an installation.

BID ITEM NO. 8 VARIABLE FREQUENCY DRIVES (VFDs)

Selected bidder shall provide all labor, materials, and equipment to install a VFD for each of the two pumps at Pump Station #16 – Westgate. One pump is model 3127.090-2099 rated at 10 horsepower and the other pump is model 3126 rated at 9.4 horsepower. Selected bidder shall confirm pump's compatibility with the VFD. The work shall include integrating the VFD into the control system to provide a means to control the pump speed.

PAYMENT

Payment shall be in a lump sum after the VFDs have been installed and have been made fully operational by the selected bidder.

BID ITEM NO. 9 RADIOS

The selected bidder shall provide all labor, material, and equipment to install city-provided radios and update addresses in the SCADA system. Work may include but is not limited providing a means of mounting in the lift station control panel or separate panel, all associated wiring from radio to control panel and appurtenances, startup and testing of the radios, removal of existing radios and components that have been replaced, covering panel openings from removed equipment, updating the addresses in the SCADA system, and any other items necessary to provide a complete installation. Selected bidder shall properly dispose of the removed radios and appurtenances.

PAYMENT

Payment for radios installations shall be per each lift station and paid at the contract unit price upon completion of an installation.

BID ITEM NO. 10 CONTROL PANEL DRAWINGS AND COMPONENT PARTS LIST

The selected bidder shall provide drawings and components parts lists for the equipment installed at each location.

PAYMENT

Payment for drawings and component parts lists shall be per each lift station and paid at the contract unit price upon completion of an installation.

BID ITEM NO. 11 ALLOWANCE FOR ADDITIONAL LIFT STATION CONTROLS INTEGRATION ITEMS AS DIRECTED BY CITY

This bid item is a lump sum allowance for any miscellaneous control integration needs determined necessary by the City in the performing the Contract scope.

PAYMENT

Payment shall be made for additional scope items specifically directed in writing by the City to be completed on either a lump sum or time and materials basis. No payment shall be made from this allowance or any work completed outside the scope of Bid Items 1-10.

NAME: **Lift Station Control Improvements**
 PROJECT NUMBER: **SS-21-14621**

ITEM No.	ITEM DESCRIPTION	#	UNIT	UNIT PRICE	TOTAL
1	Furnish, install, and integrate KPSI, or approved equal, pressure transducers and remove existing pump controllers, switches, lights, hour meters, bubbler system tubes, components, and other appurtenances that have been replaced by the transducer/PLC/float. Cover any holes remaining from removed equipment.	8	EA	\$ 1,943.00	\$ 15,544.00
2	Develop standard program that can be deployed to all PLCs with minor modifications for location-specific set points.	1	LS	\$ 29,000.00	\$ 29,000.00
3	Install City-furnished Automatic Direct DL06 PLC and integrate the standard program to the PLC.	6	EA	\$ 11,757.00	\$ 70,542.00
4	Deploy the standard program to existing PLCs and set location specific set points.	2	EA	\$ 11,757.00	\$ 23,514.00
5	Furnish, install and integrate back-up floats to work in conjunction with transducers.	2	EA	\$ 1,533.00	\$ 3,066.00
6	Integrate existing back-up floats to the new PLC/transducer based control system.	6	EA	\$ 780.00	\$ 4,680.00
7	Furnish, install, and integrate an HMI at each pump station.	8	EA	\$ 1,542.00	\$ 12,336.00
8	Install 2 VFDs (one for each of the 2 pumps) at Pump Station #16 – Westgate.	1	LS	\$ 6,934.00	\$ 6,934.00
9	Install and integrate city-provided radios and associated wiring and update addresses in the SCADA system.	8	EA	\$ 1,730.00	\$ 13,840.00
10	Control panel drawings and component parts list.	8	EA	\$ 1,740.00	\$ 13,920.00
11	Allowance for additional lift station controls integration items as directed by City (Revocable).	1	LS	\$15,000	\$15,000
TOTAL					\$ 208,376.00

NOTE: QUANTITIES LISTED ARE FOR BID COMPARISON ONLY AND ARE VALID FOR ONE YEAR FROM BID OPENING DATE. ACTUAL QUANTITIES WILL DIRECTED BY CITY. AT THE CITY'S OPTION, WITH CONCURRENCE BY THE CONTRACTOR, THIS CONTRACT MAY BE EXTENDED AN ADDITIONAL YEAR AT THE ABOVE UNIT PRICES.

Signature of
bidder or bidders _____

Company Calcon Systems, Inc.

Principal Christopher Ortega

Address 12919 Alcosta Blvd., Suite 9

City/State San Ramon, CA 94583

Telephone 925-277-0665

Contractor's
Class/License No. C10 508284

DIR PWC Registration No. 1000020071


Fax No 925-269-2225

Cell No. 925-570-4504

Date 7/16/2021

Contract awarded to: Calcon Systems, Inc.

I have submitted certificate(s) for the required insurance.

Contractor's Signature  Date 8/5/2021 | 11:12 AM PDT

Approved: City Clerk _____ Date _____

Approved: City Attorney _____ Date _____

Approved: City Manager _____ Date _____

CERTIFICATION OF BIDDER'S EXPERIENCE AND QUALIFICATIONS

The undersigned bidder certifies that she/he is, at the time of bidding, and shall be, throughout the period of the contract, licensed by the State of California to do the type of work required under terms of the contract documents. Bidder further certifies that she/he is skilled and regularly engaged in the general class and type of work called for in the contract documents.

In accordance with the requirements, the bidder represents that she/he is competent, knowledgeable and has special skills on the nature, extent and inherent conditions of the work to be performed. Bidder further acknowledges that there are certain peculiar and inherent conditions existent in the construction of the particular facilities which may create, during the construction program, unusual or peculiar unsafe conditions hazardous to persons and property. Bidder expressly acknowledges that she/he is aware of such peculiar risks and that she/he has the skill and experience to foresee and to adopt protective measures to adequately and safely perform the construction with the respect to such hazards.

LIST OF SIMILAR PROJECTS:

1. Project Name: *****SEE ATTACHED*****
Owner: _____
Construction Cost: _____
Construction Time: _____ Calendar Days
Owner's Representative: _____
Owner's Telephone No.: (____) _____
Date of substantial or final completion: _____

2. Project Name: *****SEE ATTACHED*****
Owner: _____
Construction Cost: _____
Construction Time: _____ Calendar Days
Owner's Representative: _____
Owner's Telephone No.: (____) _____
Date of substantial or final completion: _____

3. Project Name: *****SEE ATTACHED*****
Owner: _____
Construction Cost: _____
Construction Time: _____ Calendar Days
Owner's Representative: _____
Owner's Telephone No.: (____) _____
Date of substantial or final completion: _____

LIST OF PROPOSED SUBCONTRACTORS

List the name and address of each subcontractor to whom the bidder proposes to subcontract portions of the work in an amount in excess of 1/2 of one percent of his total bid or \$10,000, whichever is greater, in accordance with the Subletting and Subcontracting Fair Practices Act, commencing with Section 4100 of the Public Contract Code. The bidder's attention is invited to other provisions of said Act related to imposition of penalties for a failure to observe its provisions by using unauthorized subcontractors or by making unauthorized substitutions.

In addition to the name and address also list a description of the work, the percent of the total contract, and the license number of each subcontractor.

1. Description of work: _____

Percent of total contract: _____
Subcontractor's name: _____
Subcontractor's address: _____
Subcontractor's license number: _____
DIR PWC Registration No. _____
2. Description of work: _____

Percent of total contract: _____
Subcontractor's name: _____
Subcontractor's address: _____
Subcontractor's license number: _____
DIR PWC Registration No. _____
3. Description of work: _____

Percent of total contract: _____
Subcontractor's name: _____
Subcontractor's address: _____
Subcontractor's license number: _____
DIR PWC Registration No. _____
4. Description of work: _____

Percent of total contract: _____
Subcontractor's name: _____
Subcontractor's address: _____
Subcontractor's license number: _____
DIR PWC Registration No. _____

Policy Number:

Commercial General Liability

THIS ENDORSEMENT CHANGES THE POLICY - PLEASE READ IT CAREFULLY. ADDITIONAL INSURED - OWNERS, LESSEES OR CONTRACTORS (FORM B).

This endorsement modifies insurance provided under the following:
COMMERCIAL GENERAL LIABILITY COVERAGE PART.

SCHEDULE

Name of Person or Organization:

City of Watsonville, its appointed and elected officials, and its employees

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

WHO IS AN INSURED (Section II) is amended to include as an insured the person or organization shown in the Schedule, but only with respect to liability arising out of "your work" for that insured by or for you.

The insurance provided herein is primary coverage to the certificate holder with respects to any insurance or self insurance programs maintained by the certificate holder, and no insurance held or owned by the certificate holder shall be called upon to contribute to a loss.

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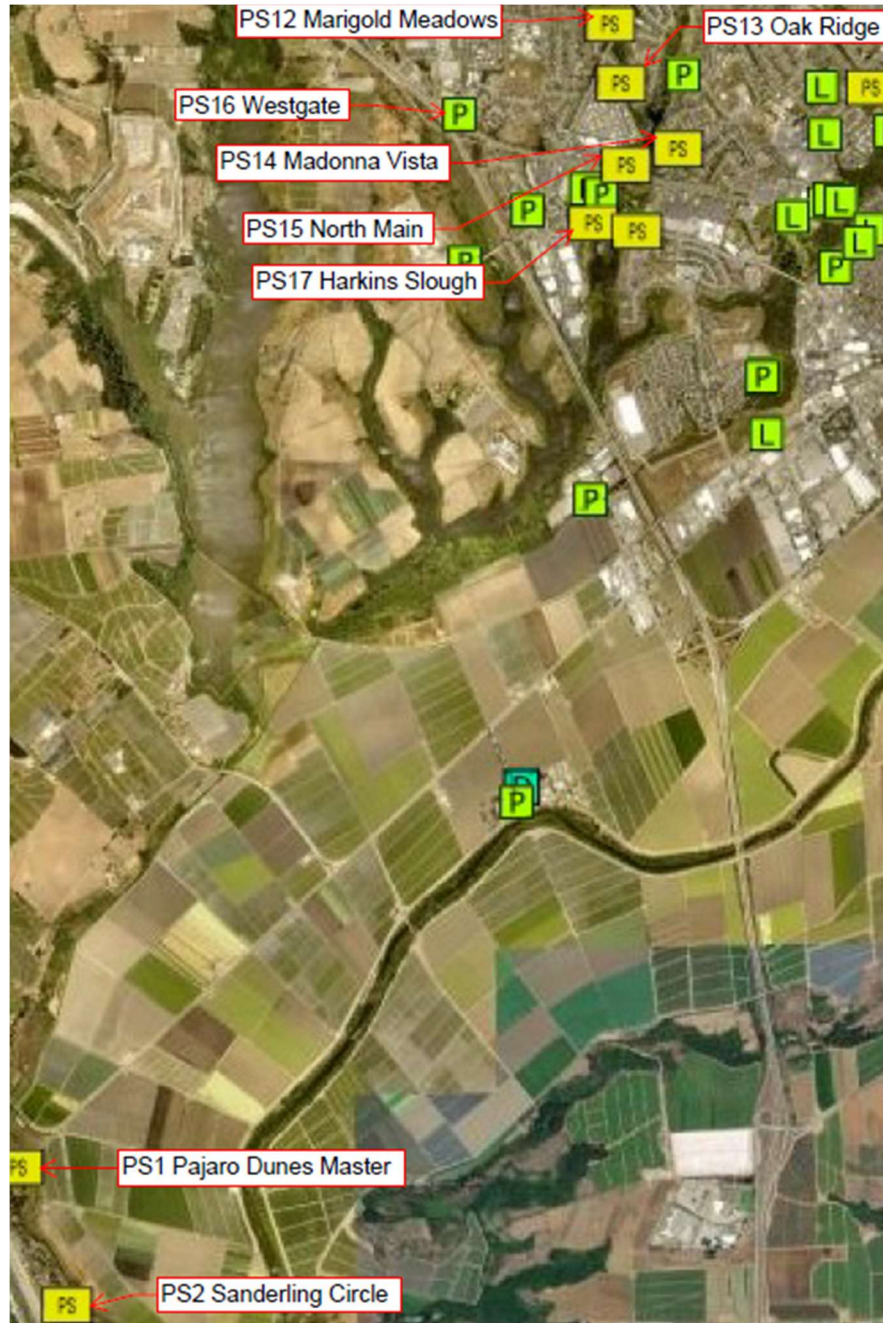
SAMPLE

Appendix A

City of Watsonville

Map, Bid Item Summary Table, Pictures, Applicable
Bid Items for each Pump Station, City Provided
Equipment List

Location Map



Bid Item Summary Table:

Pump Station						Bid Item					
	1	2	3	4	5	6	7	8	9	10	11
1	x	x	x			x	x		x	x	x
2	x	x	x			x	x		x	x	x
12	x	x	x			x	x		x	x	x
13	x	x		x		x	x		x	x	x
14	x	x	x			x	x		x	x	x
15	x	x	x		x		x		x	x	x
16	x	x	x			x	x	x	x	x	x
17	x	x		x	x		x		x	x	x

Pump Station 1 – Pajaro Dunes Master



Location: Corner of West Beach and Rio Boca at the Pajaro Dunes entrance.

Applicable Bid Items:

ITEM No.	ITEM DESCRIPTION
1	Furnish, install, and integrate KPSI, or approved equal, pressure transducers and remove existing pump controllers, switches, lights, hour meters, bubbler system tubes, components, and other appurtenances that have been replaced by the transducer/PLC/float
2	Develop standard program that can be deployed to all PLCs with minor modifications for location-specific set points
3	Install City-furnished Automatic Direct DL06 PLC and integrate the standard program to the PLC
4	Deploy the standard program to existing PLCs and set location specific set points
6	Integrate existing back-up floats to the new PLC/transducer based control system
7	Furnish, install, and integrate a HMI and any required switches at each pump station
9	Install and integrate city-provided radios and update addresses in the SCADA system
10	Control panel drawings and component parts list
11	Allowance for additional lift station controls integration items as directed by City (Revocable)



Pump Station 2 – Sanderling Circle



Location: On Rio Boca just past Sanderling Circle inside Pajaro Dunes.

Applicable Bid Items:

ITEM No.	ITEM DESCRIPTION
1	Furnish, install, and integrate KPSI, or approved equal, pressure transducers and remove existing pump controllers, switches, lights, hour meters, bubbler system tubes, components, and other appurtenances that have been replaced by the transducer/PLC/float
2	Develop standard program that can be deployed to all PLCs with minor modifications for location-specific set points
3	Install City-furnished Automatic Direct DL06 PLC and integrate the standard program to the PLC
4	Deploy the standard program to existing PLCs and set location specific set points
6	Integrate existing back-up floats to the new PLC/transducer based control system
7	Furnish, install, and integrate a HMI and any required switches at each pump station
9	Install and integrate city-provided radios and update addresses in the SCADA system
10	Control panel drawings and component parts list
11	Allowance for additional lift station controls integration items as directed by City (Revocable)



Pump Station 12 – Merigold Meadows



Location: Alley Easement between 18 and 24 Magnolia Court.

Applicable Bid Items:

ITEM No.	ITEM DESCRIPTION
1	Furnish, install, and integrate KPSI, or approved equal, pressure transducers and remove existing pump controllers, switches, lights, hour meters, bubbler system tubes, components, and other appurtenances that have been replaced by the transducer/PLC/float
2	Develop standard program that can be deployed to all PLCs with minor modifications for location-specific set points
3	Install City-furnished Automatic Direct DL06 PLC and integrate the standard program to the PLC
4	Deploy the standard program to existing PLCs and set location specific set points
6	Integrate existing back-up floats to the new PLC/transducer based control system
7	Furnish, install, and integrate a HMI and any required switches at each pump station
9	Install and integrate city-provided radios and update addresses in the SCADA system
10	Control panel drawings and component parts list
11	Allowance for additional lift station controls integration items as directed by City (Revocable)

Pump Station 13 – Oakridge



Location: Oakridge Street in Alley between Address 16 and 22.

Applicable Bid Items:

ITEM No.	ITEM DESCRIPTION
1	Furnish, install, and integrate KPSI, or approved equal, pressure transducers and remove existing pump controllers, switches, lights, hour meters, bubbler system tubes, components, and other appurtenances that have been replaced by the transducer/PLC/float
2	Develop standard program that can be deployed to all PLCs with minor modifications for location-specific set points
4	Deploy the standard program to existing PLCs and set location specific set points
6	Integrate existing back-up floats to the new PLC/transducer based control system
7	Furnish, install, and integrate a HMI and any required switches at each pump station
9	Install and integrate city-provided radios and update addresses in the SCADA system
10	Control panel drawings and component parts list
11	Allowance for additional lift station controls integration items as directed by City (Revocable)



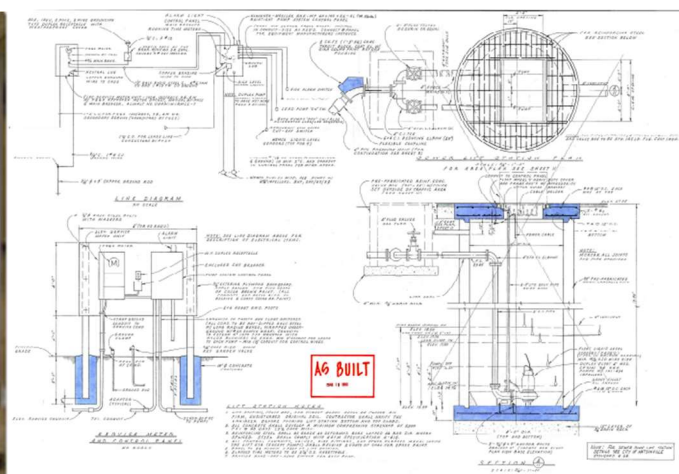
Pump Station 14 – Madonna Vista



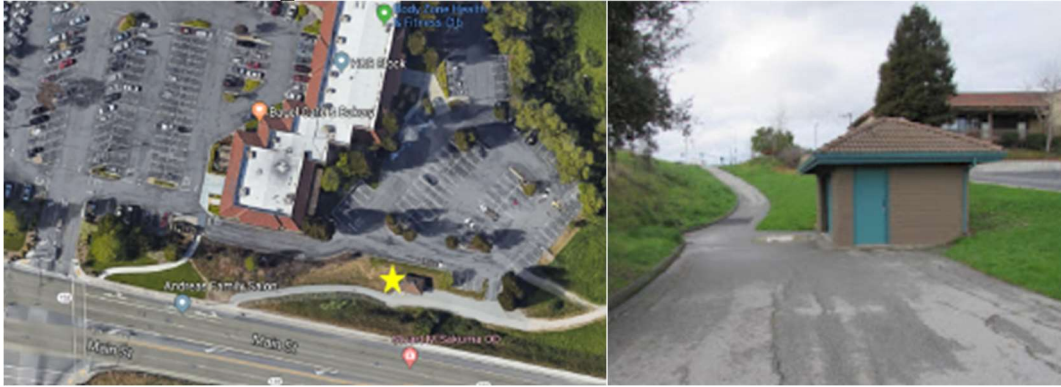
Location: Corner of Clifford Avenue and Montebello Drive.

Applicable Bid Items:

ITEM No.	ITEM DESCRIPTION
1	Furnish, install, and integrate KPSI, or approved equal, pressure transducers and remove existing pump controllers, switches, lights, hour meters, bubbler system tubes, components, and other appurtenances that have been replaced by the transducer/PLC/float
2	Develop standard program that can be deployed to all PLCs with minor modifications for location-specific set points
3	Install City-furnished Automatic Direct DL06 PLC and integrate the standard program to the PLC
4	Deploy the standard program to existing PLCs and set location specific set points
6	Integrate existing back-up floats to the new PLC/transducer based control system
7	Furnish, install, and integrate a HMI and any required switches at each pump station
9	Install and integrate city-provided radios and update addresses in the SCADA system
10	Control panel drawings and component parts list
11	Allowance for additional lift station controls integration items as directed by City (Revocable)



Pump Station 15 – North Main



Location: Main Street Watsonville Square Shopping Center Lower Parking Lot.

Applicable Bid Items:

ITEM No.	ITEM DESCRIPTION
1	Furnish, install, and integrate KPSI, or approved equal, pressure transducers and remove existing pump controllers, switches, lights, hour meters, bubbler system tubes, components, and other appurtenances that have been replaced by the transducer/PLC/float
2	Develop standard program that can be deployed to all PLCs with minor modifications for location-specific set points
3	Install City-furnished Automatic Direct DL06 PLC and integrate the standard program to the PLC
4	Deploy the standard program to existing PLCs and set location specific set points
6	Integrate existing back-up floats to the new PLC/transducer based control system
7	Furnish, install, and integrate a HMI and any required switches at each pump station
9	Install and integrate city-provided radios and update addresses in the SCADA system
10	Control panel drawings and component parts list
11	Allowance for additional lift station controls integration items as directed by City (Revocable)



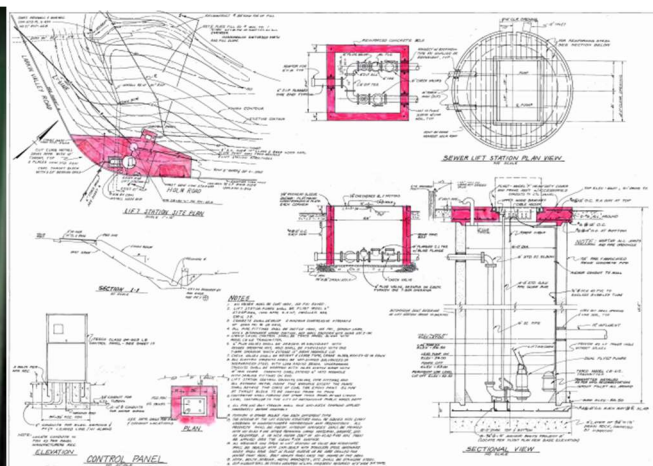
Pump Station 16 – Westgate



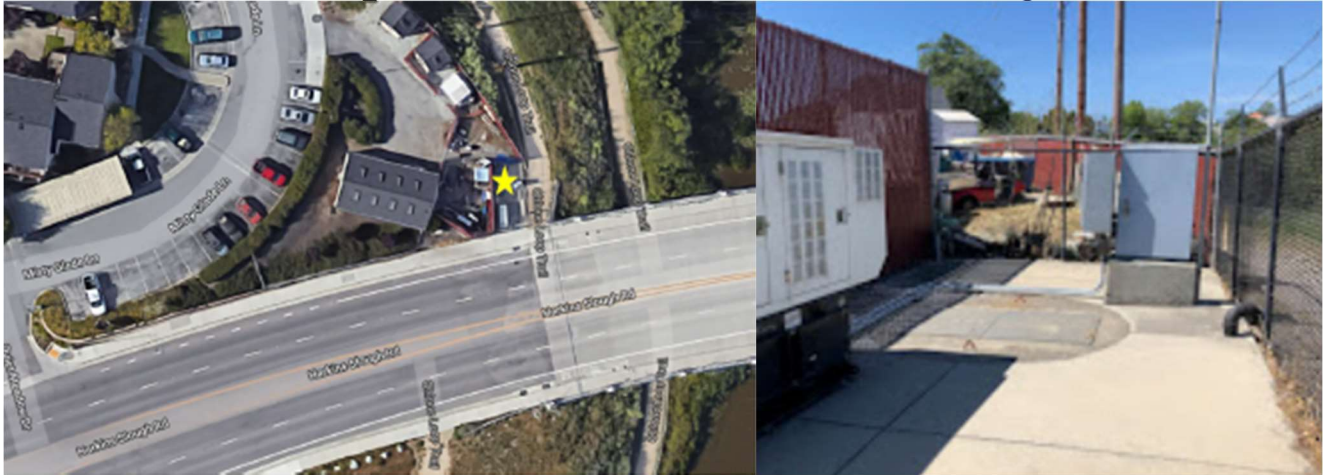
Location: Westgate Drive at Storage Mart Entrance near Holm and Main Street and Highway 1.

Applicable Bid Items:

ITEM No.	ITEM DESCRIPTION
1	Furnish, install, and integrate KPSI, or approved equal, pressure transducers and remove existing pump controllers, switches, lights, hour meters, bubbler system tubes, components, and other appurtenances that have been replaced by the transducer/PLC/float
2	Develop standard program that can be deployed to all PLCs with minor modifications for location-specific set points
3	Install City-furnished Automatic Direct DL06 PLC and integrate the standard program to the PLC
5	Furnish, install and integrate back-up floats to work in conjunction with transducers
7	Furnish, install, and integrate a HMI and any required switches at each pump station
8	Install 2 VFDs (one for each of the 2 pumps) at Pump Station #16 – Westgate
9	Install and integrate city-provided radios and update addresses in the SCADA system
10	Control panel drawings and component parts list
11	Allowance for additional lift station controls integration items as directed by City (Revocable)



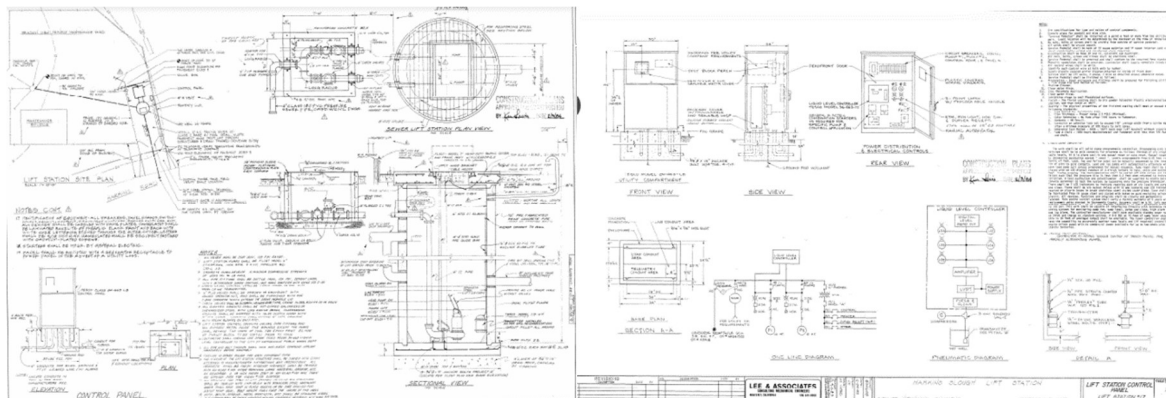
Pump Station 17 – Harkins Slough



Location: Harkins Slough Road Bridge near Misty Glade Lane

Applicable Bid Items:

ITEM No.	ITEM DESCRIPTION
1	Furnish, install, and integrate KPSI, or approved equal, pressure transducers and remove existing pump controllers, switches, lights, hour meters, bubbler system tubes, components, and other appurtenances that have been replaced by the transducer/PLC/float
2	Develop standard program that can be deployed to all PLCs with minor modifications for location-specific set points
4	Deploy the standard program to existing PLCs and set location specific set points
5	Furnish, install and integrate back-up floats to work in conjunction with transducers
7	Furnish, install, and integrate a HMI and any required switches at each pump station
9	Install and integrate city-provided radios and update addresses in the SCADA system
10	Control panel drawings and component parts list
11	Allowance for additional lift station controls integration items as directed by City (Revocable)



City Provided Equipment List

To be installed by the selcted bidder:

PLC, Automation Direct DO-06DR-D

A/I Card, FO-04AD-1

Power Supplies, Rhino PSP12-024S & PSP24-060S

Raveon Radio, RV-M7-UC

Radio to PLC com cable

