



VALLEJO SANITATION &
FLOOD CONTROL DISTRICT

*Protecting public health
and the San Francisco Bay
since 1952.*

450 Ryder Street
Vallejo, California 94590
phone 707-644-8949
www.VSFCD.com

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TRANSMITTAL OF:

ADDENDUM No. 1

For the

**VALLEJO SANITATION AND FLOOD CONTROL DISTRICT
Lake Dalwigk Habitat Enhancement Project #063827**

February 11, 2011

**TO: ALL HOLDERS OF THE DOCUMENTS COMPRISING THE
PROJECT MANUAL FOR THE ABOVE REFERENCED PROJECT**

Notice is hereby given to prospective bidders that the documents comprising the Project Manual for the above referenced project are modified as described herein as set forth in accordance with the provisions of Section 00200, INSTRUCTION TO BIDDERS.

You must acknowledge receipt of all addenda on Page 00410-2 of the Proposal to be considered a valid bid. **PLEASE MAKE THESE CHANGES IN THE BID PROPOSAL IN YOUR POSSESSION BEFORE YOU SUBMIT YOUR BID.** If you have already mailed your proposal, you need to contact this office immediately, and arrange to correct your bid proposal to address this addendum before the time of the bid opening.

Note: This Addendum, including this sheet consists of a total of 33 pages. Bidders shall contact Gus Silva at gussilva@vsfcd.com immediately if all sheets are not received.

The Contract Bid Documents, Plans, and Specifications are amended as follows:

MANDATORY PRE-BID MEETING MINUTES

THE FOLLOWING DOCUMENTS CAN BE VIEWED ON OUR WEBSITE

At www.vsfcd.com, then click on “Projects up for Bidding”

CEQA doc and Appendices, Sign-In Sheet, Geotechnical Report, Specs, Plans, Grading Plan

SECTION 00410 BID FORM

The Bid Form is replaced with the attached Bid Form.

SECTION 00451 CONSTRUCTION CONTRACTOR’S QUALIFICATION STATEMENT FOR ENGINEERING CONSTRUCTION

SECTION 00520 AGREEMENT FORM

Page 00520-9 First line of text: The year “2007” is replaced with the year “2011”

SECTION 01025 MEASUREMENT AND PAYMENT

The Measurement and Payment Section is replaced with the attached Measurement and Payment Section.

SECTION 01561 ENVIRONMENTAL CONTROLS

Section 1.01 A 4 – In the first and second lines of this section, the word “City” is replaced with the word “District”.

The following text is included at the end of this Section 01561:

“PART 2 – NOT USED

PART 3 – NOT USED

END OF SECTION”

SECTION 02200 EARTHWORK

In Paragraph 3.02 D 2 the text “top 12 inches” is changed to “top 8 inches”.

In the table in Paragraph 3.05 I the text “Top 12” ” is changed to “Top 8” ”.

In Paragraph 3.07 A the text “top 12 inches” is changed to “top 8 inches”.

DRAWING NUMBER C40

Note 3 is replaced with the following note:

“3. THE EXISTING 27-INCH SANITARY SEWER IS CLAY PIPE CONSTRUCTED ON REDWOOD PILES AND HAS AS LITTLE AS 1.5 FEET OF COVER ALONG THE NORTH SIDE OF LAKE DALWIGK. APPROXIMATE INVERT ELEVATIONS ARE SHOWN ON SHEET C41. THE DISTRICT WILL PREPARE A CCTV SURVEY OF THE SEWERS IN THE PROJECT AREA BEFORE AND AFTER CONSTRUCTION. CONTRACTOR IS REQUIRED TO PROTECT THE EXISTING SEWERS AND REPAIR ANY DAMAGE THAT

OCCURS AS A RESULT OF HIS ACTIONS AT HIS OWN COST. CONTRACTOR SHALL VERIFY SEWER ELEVATIONS AND MARK SEWER LOCATIONS. CONTRACTOR SHALL SUBMIT AND RECEIVE APPROVAL OF A SEWER INSPECTION AND PROTECTION PLAN PRIOR TO INITIATING WORK IN THE VICINITY OF ANY SANITARY SEWERS.”

DRAWING NUMBER C41

Drawing Number C41 is replaced with the attached Drawing Number C41.

DRAWING NUMBER C43

In Detail 2, add the text “THE FINISHED SURFACE WILL BE 6-INCHES OF NATIVE MATERIAL AND WILL MATCH EXISTING GRADE.”

In Detail I, the text “SLOPE VARIES SEE PLAN” is replaced with “SLOPE VARIES MATCH EXISTING GRADE”.

DRAWING NUMBER C50

Note 3 is replaced with the following note:

“3. THE EXISTING 27-INCH SANITARY SEWER IS CLAY PIPE CONSTRUCTED ON REDWOOD PILES AND HAS AS LITTLE AS 1.5 FEET OF COVER ALONG THE NORTH SIDE OF LAKE DALWIGK. APPROXIMATE INVERT ELEVATIONS ARE SHOWN ON SHEET C41. THE DISTRICT WILL PREPARE A CCTV SURVEY OF THE SEWERS IN THE PROJECT AREA BEFORE AND AFTER CONSTRUCTION. CONTRACTOR IS REQUIRED TO PROTECT THE EXISTING SEWERS AND REPAIR ANY DAMAGE THAT OCCURS AS A RESULT OF HIS ACTIONS AT HIS OWN COST. CONTRACTOR SHALL VERIFY SEWER ELEVATIONS AND MARK SEWER LOCATIONS. CONTRACTOR SHALL SUBMIT AND RECEIVE APPROVAL OF A SEWER INSPECTION AND PROTECTION PLAN PRIOR TO INITIATING WORK IN THE VICINITY OF ANY SANITARY SEWERS.”

Note 13 is added as follows: “13. THE NORTH-SOUTH BOOM IS TO BE CUT AT TWO INTERMEDIATE POINTS WHERE THE BOOM CROSSES THE +3 FOOT CONTOUR AND THE -2 FOOT CONTOUR. THE INTERMEDIATE BOOM ENDS ARE TO BE CHAINED TOGETHER WITH ¾-INCH GALVANIZED CHAIN AND GALVANIZED FITTINGS. THERE SHALL BE 1.5 FEET OF SLACK BETWEEN THE INTERMEDIATE BOOM ENDS.”

Note 14 is added as follows: “14. THE EAST-WEST BOOM IS TO BE CUT AT ONE INTERMEDIATE POINT WHERE THE BOOM CROSSES THE -4 FOOT CONTOUR. THE INTERMEDIATE BOOM ENDS ARE TO BE CHAINED TOGETHER WITH ¾-INCH GALVANIZED CHAIN AND GALVANIZED FITTINGS. THERE SHALL BE 1.5 FEET OF SLACK BETWEEN THE INTERMEDIATE BOOM ENDS.”

DRAWING NUMBER C52

In Detail 6 the pipe invert is changed from -4.0 feet to -3.5 feet.

In Detail 9, the following notes are added:

“NOTES:

1. ALL MATERIALS SHALL BE GALVANIZED STEEL, UNLESS OTHERWISE STATED.
2. HANDRAIL AND POSTS SHALL BE PAINTED WHITE.
3. EYE BOLTS IN POSTS SHALL BE THROUGH BOLTED.”

ADDENDUM 1 ATTACHMENTS

Mandatory Pre-Bid Meeting Minutes

Section 00410 Bid Form

Section 00451 Construction Contractor’s Qualification Statement for Engineering Construction

Section 01025 Measurement and Payment

Drawing No C41

Rudolf Ohlemutz
District Engineer
R.C.E. No. C35223

MANDATORY PRE-BID MEETING
VALLEJO SANITATION AND FLOOD CONTROL DISTRICT
450 RYDER STREET, VALLEJO, CA 94590
Lake Dalwigk Habitat Enhancement Project#063827
MINUTES
FEBRUARY 1, 2011

Rolf Ohlemutz, District Engineer called the meeting to order at 10:00am. He introduced Gus Silva, Project Engineer; George Guorgui, Inspector; Doug Moore, West Yost Design Engineer; MaryAnn Palmer, Office Assistant; Andy Jannings, Field Operations Superintendent; Tyler Armitage, Collection System Supervisor; Ken Taylor, Assistant Field Operations Superintendent; Dave Mathey, Geo Engineering, and Bruce Balala and Glenn Boatman of Balala Excavating.

1. DISCUSS PROJECT SPECIFIC SUPPLEMENT & MASTER BID DOCUMENT

Doug Moore reviewed the project elements and discussed the improvements to be made. He also mentioned the unique features of the project are the shallow sewer and the bay mud.

Dave Mathey indicated that a soils report was done that is dated 9-08 and the borings were 6" and 8" deep. The drawing on plate#4 of the soils report shows the finger slough across from Mare Island Straight. He indicated that Lake Dalwigk is an historic wetlands area, and discussed the challenges associated with working in bay mud.

Rolf indicated that environmental samples have been taken of the Lake to determine if there are any contamination issues. Results are pending. Tyler backhoed and confirmed the existence of bay mud. Vallejo Sanitation and Flood Control District attempted to dry out Lake Dalwigk in the summer of 2010 and will do so again in preparation of the project. Rolf stated that the Lake dried into a fairly hard crust.

2. PROJECT SUMMARY

Gus Silva handed out the following two sections missing from the Project Specific Supplement:

SECTION 00090-CHANGES TO MASTER BID DOCUMENT
SECTION 00450-CONTRACTOR STATEMENT OF QUALIFICATIONS

Rolf stated that the Master Bid Document will be on the District website in the near future. The Army Corp of Engineers will issue a 404 permit for the project. A 401 Water Quality Permit will be needed prior to commencement of the project. VSFCD hopes to have all of the permits obtained prior to June 1, 2011. The work at Lake Dalwigk can be done from June 15, 2011 through October 15, 2011 per the Department of Fish and Game permit, although Fish and Game will allow work to continue past October 15, 2011 until the first rains begin.

Doug Moore asked if work that doesn't impact the wetlands could be started prior to June 15, 2011.¹ Rolf indicated that work not affecting the wetlands could be started prior to June 15, 2011.

Rolf mentioned that we applied for an EPA Grant for removal of Arundo, which is a species of invasive vegetation. He also indicated that excavation material will be difficult to dispose of. Carneros Ranch is the determined disposal site, with Cullinan Ranch and Napa Pipe² possibly accepting the material as well. The west point of the Lake can be used to dry wet materials prior to hauling.³ Rolf had a discussion with one of the attendees regarding dredging in the Lake while wet. Rolf was not sure if this would be feasible. He also asked if attendees if they were interested in going out to Lake Dalwigk to view the project site and ask questions.

Doug Moore stated he would like all questions regarding the project to be submitted by February 17, 2011, so the final addendum could be prepared and emailed to bidders at least one week prior to the Bid Opening on March 3 2011 at 2:00 pm.

Rolf gave the attendees his email address as well as that of Gus Silva (project engineer) and Doug Moore.

3. OPEN DISCUSSION

A. Questions from attendees were answered by Rolf as follows unless otherwise noted:

1. Does the Arundo need to be separated from the other excavation material?

Answer: Yes.

2. Will the Geotechnical report be on the VSFCDD website?

Answer: Yes.

3. How will the excavation material be measured? Will a decision be made after the dump site is formally determined? It was suggested that the material would be measured in truckloads.

Doug Moore indicated that a pre and post condition survey could be undertaken to determine the disposal amount. Both aerial and ground surveys have been done in the past.

4. Would the contractor be responsible for a post construction survey?

Answer: No, VSFCDD would do. Doug Moore also stated that the contractor would do the survey and staking.

5. What analytical work has been done.

¹ Fish and Game will allow work to start April 15, 2011.(**information revised after Feb. 1, 2011**)

² Napa Pipe is not available as a disposal site.(**information revised after Feb. 1, 2011**)

³ No stockpiling of materials in parts of the lake not subject to grading.(**information revised after Feb. 1, 2011**)

Answer: It has been ongoing; results will go out in an addendum or be posted electronically on our website.

6. Who will take care of labor requirements?

Answer: The contractor will be responsible for the certified payrolls.

7. Is construction water available on site?

Doug stated that hydration is available at Fifth Street and irrigation is available in the adjacent park. Contact the City of Vallejo for details.

8. What is the storm water Pollution Prevention Plan risk level?

Doug Moore indicated that the risk level is 2.

9. How will measurement of excavation material be made and will progress payments be made?

Answer: Payment will be adjusted to the situation and the cost of disposal from the disposal site. At this point it is still undetermined.

10. Will there be a different line items for vegetation and disposal?

Doug Moore said there would indeed be a separate line item for excavation and a line item for disposal. The contractor will need to combine them together based on square yards of material.

11. Are there about 22,000 yards of fill on the site? Will there be a post excavation survey at the top of the root ball? Answer: Yes, the currently survey on top of the root mass indicates there are 35,000 yards total to be excavated.

12. Will there be one line item to remove mud and one for disposal?

Doug more stated that there will be one item for excavation for excavation and one item for disposal.

13. Will contractors be notified when items are posted to the website?

Answer: An addendum will be provided addressing answers to the questions asked and another addendum will be sent after February 17, 2011. The first addendum will have a list of postings.

14. What is the status of funding for the job?

Answer: It is pending approval of the board.

15. Will the attendance sign-in sheet for the Mandatory Pre-Bid Meeting be posted on the website?

Answer: Yes.

Rolf adjourned the meeting at 10:55 and instructed attendees to meet at Fifth Street for a site visit.

A. Questions from attendees at the site visit were answered by Doug Moore as follows:

1. When will the contractor take responsibility for dewater Lake Dalwigk?
Answer: June 15, 2011⁴ will be the date at which the responsibility for dewatering of Lake Dalwigk transitions from the District to the Contractor. This transfer of responsibility will include dewatering the lake, maintenance of the Lemon Street Channel diversion pipeline and intake structure (the stop-log structure that dams the water in the Lemon Street Channel). The District will still have the responsibility to keep the water level inside the existing Lake Dalwigk outlet structure low enough to allow dewatering and construction of the new 48-inch pipe connection.
2. What will be done if there is a storm late in the season that leaves the lake partially full or full of water on June 15?
Answer: I suggest that we include a new bid item with an allowance of \$5,000 in case⁵ this occurs. This allowance would only be used if the District could not drain the lake to the level of the apron of the existing outlet structure by Monday June 20th at 7:00 am. No claims for delay of work would be allowed for the period of June 15 to June 20.
3. Will CDFG allow early draining of the lake to facilitate this project?
Answer: Last year it took about 3 weeks to get the lake dry enough to work. District staff are to confirm that early draining of the lake will be allowed.
4. Can the contractor spray the tules to kill them and prevent continued growth between the period when the contract is executed and when the tules are removed?⁶
Answer: District Staff were going to check the permit or check with CDFG to see if this would be allowed. One other concern is that the tule plugs which will be replanted must be removed before the spraying. Also, the wetland bench areas should not be sprayed.
5. Will the 36-inch and 34-inch pipes be dry?
Answer: Normally in the summer there is very little flow in these pipes, but we cannot guarantee they will be completely dry.
6. Have we identified any erosion control BMPs that will needed?
Answer: The contractor is required to prepare and implement the SWPPP. Will there be post construction BMPs needed, like hydro-seeding the bare soils. We don't believe that hydro-seeding or other post construction BMPs will be needed. If BMPs are required for approval of the SWPPP, it will be added to the contract as a change order.

⁴ Contractor will start taking responsibility for dewatering at the time he starts his activities in the dewatered area. **(information revised after Feb. 1, 2011)**

⁵ There will be no such allowance in the contract. **(information revised after Feb. 1, 2011)**

⁶ This issue has become moot. CDFG allows mowing and grading activities starting April 15, 2011. **(information revised after Feb. 1, 2011)**

7. How open to the public will this area be? Will fencing be needed?

Answer: There is a public park at the south corner of Lake Dalwigk. The southeast corner of the site is relatively isolated by existing fencing and could be further isolated with a small amount of additional fencing. The contractor is responsible for installing temporary chain link fencing and/or construction fencing that is adequate to ensure the safety of the public. The contractor is responsible for security of their equipment (see note 8 on sheet C41).

8. If the excavated soils and vegetation are left to dry for more than 10 days, the Construction General Permit requires them to be covered, but then they will not dry out.

Answer: The Construction General Permit does not require active construction areas to be covered. We believe that in order to effectively dry these materials they will have to be disked and turned over at least every 10 days. As such, they are an active construction area and do not have to be covered. If the contractor intends to leave them undisturbed for more than 2 weeks, they will need to be cover to comply with the Construction General Permit.

Respectfully Submitted by MaryAnn Palmer, Office Assistant

DOCUMENT 00410

BID FORM

PROJECT IDENTIFICATION:

**Vallejo Sanitation and Flood Control District
Lake Dalwigk Habitat Enhancement Project
Project No. 063827
All Drawing sets dated December 2010**

THIS BID IS SUBMITTED BY:

(Bidder)

(Bidder Address)

THIS BID IS SUBMITTED TO:

**Vallejo Sanitation and Flood Control District
450 Ryder Street
Vallejo, CA 94590**

- 1.01 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an agreement with OWNER in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents within the specified time and for the price indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.
- 2.01 Bidder accepts all of the terms and conditions of the Invitation to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. The Bid will remain subject to acceptance for 60 calendar days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of OWNER.
- 3.01 In submitting this Bid, Bidder represents that:
 - A. Bidder has examined and carefully studied the Bidding Documents, the other related data identified in the Bidding Documents, and the following Addenda, receipt of which is hereby acknowledged.

ADDENDA

| | |
|-----------|-------------|
| No. _____ | Dated _____ |
| No. _____ | Dated _____ |
| No. _____ | Dated _____ |
| No. _____ | Dated _____ |
| No. _____ | Dated _____ |

B. Bidder has visited the site and become familiar with and satisfied itself as to the general, local, and site conditions that may affect cost, progress, and performance of the Work.

C. Bidder is familiar with and has satisfied itself as to all Federal, State, and local Laws and Regulations and Permits that may affect cost, progress, and performance of the Work.

D. Bidder has carefully studied all of the following:

- (1) Reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) as referenced in paragraph 4.02 of the General and Supplementary Conditions, and are identified below:

Geotechnical Engineering Investigation Report, Vallejo Sanitation and Flood Control District, Lemon Street Flood Control Project, Vallejo, California, dated September 2008.

- (2) Reports and drawings of a Hazardous Environmental Condition, if any, which as referenced in paragraph 4.06 of the General Conditions and are identified below:

Final Initial Study / Mitigated Negative Declaration, Vallejo Sanitation and Flood Control District, Lake Dalwigk Habitat Enhancement Project, November 2010

E. Bidder has obtained and carefully studied (or assumes responsibility for having done so) all additional or supplementary examinations, investigations, explorations, tests, studies and data concerning conditions (surface, subsurface and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents to be employed by Bidder, and safety precautions and programs incident thereto.

- F. Bidder does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by OWNER and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has correlated the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Bidding Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents.
- I. Bidder has given ENGINEER written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by ENGINEER is acceptable to Bidder.
- J. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.
- K. In accordance with Section 1861, California Labor Code, the Bidder states the following as its certification:

"I am aware of the provisions of Section 3700 of the California Labor Code which requires every employer to be insured against liability for workers' compensation or to undertake self insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the Work."

- 4.01 Bidder further represents that this Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham bid; Bidder has not solicited or induced any individual or entity to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over OWNER.
- 5.01 Bidder will complete the Work in accordance with the Contract Documents for the following prices. Owner may delete any bid item from the work.

| Item | Description | Unit | Estimated Quantity | Unit Bid Price | Extended Bid Price |
|------|---|------|--------------------|----------------|--------------------|
| 1 | Mobilization and Demobilization | LS | 1 | \$ _____ | \$ _____ |
| 2 | Sheeting, Shoring, and Bracing | LS | 1 | \$ _____ | \$ _____ |
| 3 | Storm Water Pollution Prevention Program | LS | 1 | \$ _____ | \$ _____ |
| 4 | Potholing for Utilities | LS | 1 | \$ _____ | \$ _____ |
| 5 | Surveying and Field Engineering | LS | 1 | \$ _____ | \$ _____ |
| 6 | Site Preparation | LS | 1 | \$ _____ | \$ _____ |
| 7 | Dewatering / Desilting / Ground Water Disposal | LS | 1 | \$ _____ | \$ _____ |
| 8 | Lake Dalwigk Existing Outlet Structure Bar Rack and Hand Rail Replacement | LS | 1 | \$ _____ | \$ _____ |
| 9 | Lake Dalwigk Low Flow Outlet Improvements, 48-inch Pipe and Connection to Existing Structure | LS | 1 | \$ _____ | \$ _____ |
| 10 | Construction of Islands, Including On-Site Excavation and Placement of About 2,200 CY of Bay Mud Fill | LS | 1 | \$ _____ | \$ _____ |
| 11 | Excavation and Disposal of Soils and Vegetation, and Disposal of All Clearing, Grubbing, and Stripping Debris | CY | 45,000 | \$ _____ | \$ _____ |
| 12 | Piles and Booms | LS | 1 | \$ _____ | \$ _____ |
| 13 | Rock Rip Rap | TON | 42 | \$ _____ | \$ _____ |
| 14 | 36-Inch Storm Drain | LS | 1 | \$ _____ | \$ _____ |
| 15 | 24-Inch Storm Drain and Headwall | LS | 1 | \$ _____ | \$ _____ |
| 16 | All Weather Access Road and AC Walkway | LS | 1 | \$ _____ | \$ _____ |
| 17 | Dispose of Arundo (leaves, stems, root wads) and man made trash, garbage, litter, debris, etc. at a landfill. | TON | 10 | \$ _____ | \$ _____ |
| 18 | All Work in Accordance with the Contract Documents, with the Exception of the Work Included in Bid Items 1 through 17 | LS | 1 | \$ _____ | \$ _____ |

TOTAL OF ALL ESTIMATED PRICES ITEMS 1 THROUGH 20 INCLUSIVE

\$ _____
(Price in figures)

(Price in words)

Unit Prices have been computed in accordance with paragraph 11.03 of the General Conditions.

Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid items will be based on actual quantities provided, determined as provided in the Contract Documents.

7.01 Bidder agrees that the Work will be substantially completed, and, completed and ready for final payment in accordance with paragraph 14.07.B of the General Conditions on or before the dates or within the number of calendar days indicated in Article 4, Document 00520, Agreement.

7.02 Bidder accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the Work within the times specified above, which shall be stated in Article 4, Document 00520, Agreement.

8.01 The following documents are to be considered a part of, and made a condition of, this Bid. Refer also to article 15, Instructions to Bidders, for a schedule for submitting the following documents:

- A. Required Bid security in the form of cash, a certified or bank check, or a Bid Bond issued by a surety meeting the requirements of paragraphs 5.01 and 5.02 of the General Conditions;
- B. List of Subcontractors, and other individuals and entities required to be identified in this Bid;
- C. Required Construction Contractor's Qualification Statement with supporting data;
- D. Non-Collusion Affidavit;
- E. Affirmative Action Program Certificate; and
- F. Certification of Drug-Free Workplace Requirements.
- G. VSFCD Safety Program Criteria Sheets 1 through 3.

9.01 The terms used in this Bid with initial capital letters have the meanings indicated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

SUBMITTED on _____

State Contractor License Number: _____ . (If applicable)

If Bidder is:

An Individual

Name (typed or printed): _____

By: _____ (SEAL)

(Individual's signature)

Doing business as: _____

Business address: _____

Phone Number: () _____ FAX Number: () _____

A Partnership

Partnership Name: _____ (SEAL)

By: _____

(Signature of general partner -- attach evidence of authority to sign)

Name (typed or printed): _____

Business address: _____

Phone Number: () _____ FAX Number: () _____

A Corporation

Corporation Name: _____ (SEAL)

State of Incorporation: _____

Type (General Business, Professional, Service, Limited Liability): _____

By: _____

(Signature -- attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

(CORPORATE SEAL)

Attest _____

(Signature of Corporate Secretary)

Business address: _____

Phone Number: () _____ FAX Number: () _____

Date of Qualification to do business is _____

A Joint Venture

Joint Venturer Name: _____ (SEAL)

By: _____

(Signature of joint venture partner -- attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Business address: _____

Phone Number: () _____ FAX Number: () _____

Joint Venturer Name: _____ (SEAL)

By: _____

(Signature of joint venture partner -- attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Business address: _____

Phone Number: () _____ FAX Number: () _____

Phone and FAX Number, and Address for receipt of official communications:

(Each joint venturer must sign. The manner of signing for each individual, partnership, and corporation that is a party to the joint venture should be in the manner indicated above.)

****END OF DOCUMENT****

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DOCUMENT 00451

**CONSTRUCTION CONTRACTOR'S QUALIFICATION STATEMENT
FOR ENGINEERING CONSTRUCTION**

The Bidder shall furnish the following information. Additional sheets shall be attached as required. Failure to complete the Items listed below and meet the minimum requirements listed in Items Nos. 6 and 8 may cause the Bid to be rejected as non-responsive. In any event, no award will be made until all of the Bidder's General Information (i.e. Items 1 through 8, inclusive) is provided to the Vallejo Sanitation and Flood Control District.

The Undersigned declares under penalty of perjury that all of the prequalification information submitted with this form is true and correct and that this Declaration was executed in _____ County, California on _____.

(Signature and Title)

(Typed Name and Title)

(Firm Name)

(Address)

(City and State)

(Telephone Number)

All information submitted for prequalification evaluation will be considered official information acquired in confidence and the Vallejo Sanitation and Flood Control District will maintain its confidentiality to the extent permitted by law. This includes the Contractor's Statement of Experience and Financial Condition to be submitted with this Questionnaire.

References contained in this Qualification Statement are an intricate part of Bidder's qualifications. References must be accurate. Bidder authorizes Vallejo Sanitation and Flood Control District's representative to verify any and all information contained in the Qualification Statement from references contained herein and hereby releases all

those concerned providing information as a reference from any liability in connection with any information they give.

1. Statement of Financial Condition

Provide evidence that the proposed contractor has sufficient financial resources to provide all work necessary to complete the project including construction, startup and warranty services. Please indicate contractor's bond capacity and value of current work load. Provide a statement of litigation including record of judgments against proposed contractor within the past five (5) years. Provide the approximate dollar value that is in dispute. Provide a list of all current and past projects within the last five (5) years where liquidated damages and/or payments were withheld and explain why.

2. Construction Experience

List at least three (3) engineered construction projects of similar type, complexity, and size, completed by your organization in the past five (5) years in. Use the same format as described below for Current Projects. The projects described may be listed as part of the same list of Current Projects described below. (If joint venture, list each participant's projects separately.)

3. Current Projects

Type-written, or neatly printed on your company letterhead, list any current projects your company is actively involved in. Include the following data for each project:

- Project Name
- Contract Price
- Project Description
- Pipe Quantities and Diameter
- Name, Address and Telephone Number of Owner's Project Representative

(If joint venture, list each participant's projects separately.)

4. Personnel Experience

On a type written, or neatly printed form from your company, details of the qualifications, experience and availability of Bidder's key personnel who will be directly involved in this project. Include the experience resume of the person who will be designated as General Construction Superintendent or on-site Construction Supervisor for the Contractor. The Construction Superintendent/Manager shall meet the applicable requirements of the Contract Documents including, but not limited to, Section 2160-1.05 CONTRACTOR'S SUPERVISOR.

5. License

Bidder must be licensed by the State of California as a General Contractor (A) or Sanitation System Contractor (C-42). Submit the following information:

- A. Name of license holder, exactly as on file with the State of California License Board

- B. License Classification: _____
- C. License Number: _____
- D. Expiration Date: _____
- E. Citations: _____

6. Minimum Insurance Requirements

- A. CONTRACTOR shall furnish the OWNER with original certificates and amendatory endorsements effecting coverage as required herein and as described in Article 5 of the General (Document 00700) and Supplementary (Document 00800) Conditions of the Contract. The endorsements shall be on forms provided by the OWNER or on other than the OWNER's forms, provided those endorsements and policies conform to the requirements set forth in the aforementioned Article 5. All certificates and endorsements must be received and approved by the OWNER before work commences. The OWNER reserves the right to require complete, certified copies of all required insurance policies, including endorsements effecting the coverage required by these specifications at any time.
- B. Insurance Rating: CONTRACTOR shall maintain at all times during the life of this Contract insurance policies from an insurance company that has a current rating of or equivalent to **A:VII** by A.M. Best & Company.
- C. Property Insurance: CONTRACTOR shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the CONTRACTOR, his agents, representatives, employees or SUBCONTRACTORS.
- D. The Minimum Scope of Insurance: Coverage shall be at least as broad as:
 - 1. Insurance Services Office Commercial General Liability coverage (occurrence Form CG 0001).
 - 2. Insurance Services Office Form G0009 (11 88) Owners and Contractors Protective Liability Coverage Form - Coverage for Operations of Designated Contractor).
 - 3. Insurance Services Office Form Number CA 0001 covering Automobile Liability, Code 1 (any auto).

4. Workers' Compensation insurance as required by the State of California and Employer's Liability Insurance.
5. Course of Construction insurance covering all risks of loss less policy exclusions.

E. Minimum Limits of Insurance: CONTRACTOR shall maintain limits no less than:

1. Commercial General Liability (Including operations, products and completed operations.): shall be no less than **\$2,000,000** combined single limit per each occurrence for bodily injury, personal injury and property damage. If Commercial General Liability insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit shall be twice the required occurrence limit.

2. Comprehensive Automobile Liability Insurance: shall be no less than **\$2,000,000** combined single limit per each occurrence for bodily injury and property damage.

3. Workers' Compensation and Employers' Liability Insurance: The liability limits shall be no less than required by state law (statutory), shall not be less than: **\$1,000,000** per occurrence for bodily injury or disease.

4. Umbrella Liability Insurance: for bodily injury and property damage; shall be no less than **\$4,000,000** combined single limit for each occurrence and no less than **\$4,000,000** general aggregate. In lieu of Umbrella Liability Insurance meeting these limits the contractor shall provide Commercial General Liability Insurance of no less than **\$5,000,000**, and meeting all other requirements of paragraph E-1 above.

5. Property Insurance: CONTRACTOR shall purchase and maintain property insurance coverage for the Work at the site in the amount of the full replacement cost thereof. This insurance shall be written on a Builder's Risk "all risk" or open peril or special causes of loss policy form that shall at least include insurance for physical loss or damage to the Work, temporary buildings, falsework, Work in transit including ocean transit, and Work in storage at the project site or at another location acceptable to OWNER, and shall insure against at least the following perils: fire, lightning, extended coverage, theft, vandalism and malicious mischief, earthquake, collapse, debris removal, demolition occasioned by enforcement of Laws and Regulations, water damage, and damage caused by frost and freezing. CONTRACTOR shall also purchase and maintain coverage for "contractor's equipment."

6. Course of Construction: Completed value of the project with no coinsurance penalty provisions.

F. Deductibles and Self-Insured Retentions: Any deductibles or self-insured retentions must be declared to and approved by the OWNER. At the option

of the OWNER, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the OWNER, its officers, trustees, officials, employees and volunteers; or the CONTRACTOR shall provide a financial guarantee satisfactory to the OWNER guaranteeing payment of losses and related investigations, claim administration and defense expenses.

G. Other Insurance Provisions: The general liability, umbrella liability, automobile liability, and property policies are to contain, or be endorsed to contain, the following provisions:

1. The OWNER, its officers, trustees, officials, employees, and volunteers are to be covered as insureds with respect to liability arising out of automobiles owned, leased, hired or borrowed by or on behalf of the CONTRACTOR, either on or off the project site; and with respect to liability arising from injuries, sickness, disease, or death of any person or damage to property arising out of work or operations performed by or on behalf of the CONTRACTOR including materials, parts or equipment furnished in connection with such work or operations. The policy shall also include personal injury liability coverage, contractual liability coverage, completed operations and products liability coverage, and coverage for blasting, explosion, collapse of buildings and damage to underground property. General liability coverage can be provided in the form of an endorsement to the CONTRACTOR's insurance, or as a separate owner's policy (CG 20 10 11 85).

2. For any claims related to this project, the CONTRACTOR's insurance coverage shall be primary insurance as respects the OWNER, its officers, trustees, officials, employees, and volunteers. Any insurance or self-insurance maintained by the OWNER, its officers, trustees, officials, employees, or volunteers shall be excess of the CONTRACTOR's insurance and shall not contribute with it. The general liability, umbrella liability, and automobile liability policies shall contain a cross liability or severability of interest clause or endorsement.

3. The property policies, workers' compensation policy, employer's liability policy, and course of construction policies shall provide that the insurer(s) waive all rights of subrogation against OWNER, its officers, trustees, officials, employees and volunteers.

4. The workers' compensation and employer's liability policies shall include an "all states" or "other states" endorsement.

5. Course of construction policies shall name the OWNER as loss payee.

6. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be canceled by either party, except after thirty (30) days' prior written notice by certified mail, return receipt requested, has been given to the OWNER.

7. 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.

H. Subcontractors: CONTRACTOR shall include all SUBCONTRACTORS insureds under its policies or shall furnish, to the OWNER for review and approval, separate certificates and endorsements for each SUBCONTRACTOR. All coverages for SUBCONTRACTORS shall be subject to all of the requirements stated herein for CONTRACTOR.

7. Department of Industrial Relations History S.B. 198 Compliance

Does your company have an Injury and Illness Prevention Program on file with the Department of Industrial Relations?

Yes _____ No _____

If yes, provide a copy of the "Table of Contents."

In accordance with the California Labor Code (Sections 1770 et seq.) the Director of Industrial Relations has ascertained the general prevailing rate of per diem wages in the locality in which the work is to be performed for each craft, classification, or type of workman or mechanic needed to execute the contract. A copy of said determination is available in the office of the District Clerk. All parties to the contract shall be governed by all provisions of the California Labor Code relating to prevailing wage rates (Sections 1770-7981 inclusive). The Contractor shall be responsible for compliance with Section 1777.5 of the California Labor Code for all apprenticeable occupations.

8. Additional Organization Background Information

A. Other or former names under which your organization has operated?

B. How many years of experience in construction work does your organization have:

(1) as General Contractor? _____ (2) as a Subcontractor? _____

C. How many years' experience in the proposed type and size of construction work has your organization had as a general contractor?

D. Has any officer or partner of your Organization, failed to complete a Contract?

Yes () No ()

If Yes, give details, including dates.

- D. In what other lines of business do you or your organization or any partner thereof, have financial interest?

- E. Name the persons with whom your company has associated in business as partners of business associates during the past five (5) years:

- F. Has your organization been assessed any penalties for noncompliance violations of the Federal or State labor laws and/or regulations within the past five (5) years?

Yes () No ()

If yes, give details, including dates.

- H. Does your organization have any ongoing investigations by any agency regarding violations of the State Labor Code, California Business and Professions Code, or State licensing laws?

Yes () No ()

If yes, give details, including dates.

- I. Has your organization been cited for violations of OSHA Standards and Requirements within the past five (5) years?

Yes () No ()

If yes, give details, including dates.

- J. Please explain all questions answered "yes" in questions D, G, H and I above on a separate sheet of paper along with this document.

END OF DOCUMENT

SECTION 01025

MEASUREMENT AND PAYMENT

1.0 MEASUREMENT AND PAYMENT

1.1. GENERAL

Measurements of the completed work shall be in accordance with, and by instruments and devices calibrated to United States Standard Measures and the units of measurement for payment, and the limits thereof, shall be made as shown on the Plans, Specifications, General Requirements, and Supplementary Conditions.

1.2 UNITS OF MEASUREMENT

Measurements shall be in accordance with U.S. Standard Measures. A pound is an avoirdupois pound. A ton is 2,000 pounds avoirdupois. The unit of liquid measure is the U.S. gallon.

1.3 CERTIFIED WEIGHTS

When payment is to be made on the basis of weight, the weighing shall be done on certified platform scales, or when approved by the Construction Manager, on a completely automated weighing and recording system. The Contractor shall furnish the Construction Manager with duplicate licensed weighmaster's certificates showing the actual net weights. The District will accept the certificates as evidence of the weights delivered.

1.4 METHODS OF MEASUREMENT

Materials and items of work which are to be paid for on the basis of measurement shall be measured in accordance with the method stipulated in the particular sections involved. In determining quantities, all measurements shall be made in a horizontal plane unless otherwise specified.

Material not used from a transporting vehicle shall be determined by the Construction Manager and deducted from the certified tag.

When material is to be measured and paid for on a volume basis and it would be impractical to determine the volume, or when requested by the Contractor in writing and approved by the Construction Manager in writing, the material will be weighed and converted to volume measurement for payment purposes. Factors for conversion from weight measurement to volume measurement will be determined by the Construction Manager and shall be agreed to by the Contractor before such method of measurement of pay quantities will be adopted.

Full compensation for all expense involved in conforming to the above requirements for measuring and weighing materials shall be considered as included in the unit prices paid for the materials being measured or weighed and no additional allowances will be made therefor.

Payment for the various items of work shall include full compensation for the furnishing of all overhead, labor, material, tools, equipment, and appurtenances necessary to complete the work as indicated on the Drawings and as specified. Each item shall be complete with all necessary connections and appurtenances for the satisfactory use and operation of said item. All connections, testing, cleanup, and related work must be completed to provide a complete operable system. No additional payment will be made for work related to each item unless specifically noted or specified. Measurement will be for in-place completed work with no allowance for waste.

Quantities of material wasted or disposed of in a manner not called for under the Contract; or rejected loads of material, including material rejected after it has been placed by reason of failure of the Contractor to conform to the provisions of the Contract; or material not unloaded from the transporting vehicle; or material placed outside the lines indicated on the plans or given by the Construction Manager; or material remaining on hand after completion of the Contract, will not be paid for and such quantities will be deducted from the final total quantities. No compensation will be allowed for hauling rejected material.

1.5 ESTIMATED QUANTITIES

All estimated quantities stipulated in the bid form are approximate and are to be used only as a basis for estimating the probable cost of the work and/or for the purpose of comparing the bids submitted for the work. The actual amounts of work completed under unit price items may differ from estimated quantities. The basis of payment for unit price work will be the actual amount of work completed. Contractor agrees to make no claim for damages, anticipated profits, or otherwise on account of any difference in the amounts of work actually performed, and estimated amounts therefore.

2.01 BID ITEMS

The Bid Amounts for each Bid Item will be used for comparative bid analysis. The Bid amounts will also form the basis of monthly progress payments. Each Lump Sum bid amount will undergo further breakdown as described later in this section. Bid Item 2 will also demonstrate the Contractor's compliance with the California Labor Code relating to the price for sheeting, shoring, and bracing of excavations. Bid items are not intended to be exclusive descriptions of work categories and the Contractor shall determine and include in its pricing all materials, labor, and equipment necessary to complete each Bid Item (work phase) as shown and specified.

BID ITEM 1. MOBILIZATION AND DEMOBILIZATION

BID ITEM 1 shall not exceed 5 percent of total bid price and shall include payment for the tasks indicated in Section 01505 of the VSFCO Master Bid Document, and the following tasks: obtaining of all bonds, permits, and licenses; moving onto the site of all plant and equipment including office trailer and set up of Contractor's staging area/yard; furnishing and erecting plants and other construction facilities, project sign, and all work as required for the proper performance and completion of the project, including work items not identified in a separate bid item. Mobilization shall conform to Section 11 of California Specifications except items D and E shall be deleted. The remaining retention for mobilization may be included for payment in the last progress payment. Payment shall be "Lump Sum" for all that which is necessary for this item. Seventy percent of this item will be considered mobilization; thirty percent of this item will be considered demobilization.

BID ITEM 2. SHEETING, SHORING, AND BRACING

BID ITEM 2 includes payment for design, installation, and removal of sheeting, shoring, and bracing; abandonment of sheeting and shoring where required; and other excavation supports in place necessary to complete all work under the Contract in conformance with federal and California Safety and Health Standards, Sections 6700 – 6708 of the Labor Code and these Specifications. Payment shall be "Lump Sum" for all that which is necessary for this item.

BID ITEM 3. STORM WATER POLLUTION PREVENTION PROGRAM

BID ITEM 3 includes payment for all work and materials necessary to set up and maintain storm water pollution prevention program (SWPPP) conforming to the requirements of Section 01560.1.07 including but not limited to preparation of a project-specific SWPPP prepared by a qualified SWPPP developer for District review, approval and submission to the State; furnish and install SWPPP measures and facilities; maintaining SWPPP measures throughout the duration of the project; removal of SWPPP measures and restoration of surfaces; providing a qualified SWPPP practitioner to implement all BMP's and all incidentals.

BID ITEM 4. POTHOLING FOR UTILITIES

BID ITEM 4 includes payment for labor, equipment, and materials to field locate horizontally and vertically all existing utilities within the project area. Work under this item shall include notification of Underground Service Alert, excavate and expose existing utilities; field measure utility size, depth and horizontal location; reporting any discrepancy to the Construction Manager; and all incidentals.

BID ITEM 5. SURVEYING AND FIELD ENGINEERING

BID ITEM 5 includes payment for all labor, equipment, and materials necessary for or involved in establishing lines and grades necessary to lay out and install all Work in accordance with the Contract Documents including surveyor services, contractor layout, field quality control and record drawings.

BID ITEM 6. SITE PREPARATION

BID ITEM 6 includes payment for all labor, equipment, and materials necessary for site preparation including clearing and grubbing the project site as indicated on the Drawings. The work shall include but not necessarily be limited to removal of all trash, rubbish and junk, vegetation or other organic material; including stumps, buried logs and roots to a depth of 6 inches below finished or sub grade. Stripping in areas of tules/cattails shall be to a depth of 18 inches and can be done as part of the Mass Excavation of Soils and Vegetation from Lake Dalwigk. This item also includes all incidentals required by these Specifications and Drawings. Disposal and hauling of all clearing and grubbing debris is included in Bid Item 11.

BID ITEM 7. DEWATERING/DESILTING/GROUND WATER DISPOSAL

BID ITEM 7 includes payment for all materials, labor and equipment to continuously control water during the course of construction as indicated on the Drawings and required by the Specifications including but not limited to: controlling surface and groundwater, providing sufficient redundancy, obtaining discharge permit for water disposal, treating water, disposing of water, maintaining dewatering and treatment facilities, and all incidentals required by these Specifications and Drawings.

BID ITEM 8. LAKE DALWIGK EXISTING OUTLET STRUCTURE BAR RACK REPLACEMENT AND HAND RAIL REPLACEMENT

BID ITEM 8 includes payment for all labor, equipment, and materials necessary to remove and dispose of the existing bar rack and chain railings; furnish and install new bar rack and appurtenance; furnish and install new removable hand railing; and all incidentals.

BID ITEM 9. LAKE DALWIGK LOW FLOW OUTLET IMPROVEMENTS, 48-INCH PIPE AND CONNECTION TO EXISTING STRUCTURE

BID ITEM 9 includes payment for all labor, equipment and materials necessary to excavate for the new low flow outlet structure; handle and dispose of surplus spoils; construct new concrete low flow outlet structure including bar rack, slide gate, removable hand railing, and appurtenances; construct new 48-inch low flow outlet storm drain pipe including the connection to the existing structure in place; safety provisions; surface restoration; and all incidentals.

BID ITEM 10. CONSTRUCTION OF ISLANDS, INCLUDING ON-SITE EXCAVATION AND PLACEMENT OF ABOUT 2,200 CY OF BAY MUD FILL

BID ITEM 10 includes payment for all labor, equipment, and materials necessary for doing all the work involved to excavate about 2,200 CY of Bay mud and use it as fill to construct the islands as shown on the plans, including excavation, surveying and grade measurements; subexcavation and subgrade preparation, placement of fill material, and finished grading, as shown on the Plans; and all incidentals required by these Specifications and Drawings.

BID ITEM 11. EXCAVATION AND DISPOSAL OF SOILS AND VEGETATION, AND DISPOSAL OF ALL CLEARING, GRUBBING, AND STRIPPING DEBRIS

BID ITEM 11 includes payment for all labor, equipment, and materials necessary for doing all the work involved to dispose of natural debris from the site clearing, grubbing and stripping, and the excavation and disposal of soil and vegetation material. This item includes excavating, handling, transporting and legal disposal of debris and soil, as shown on the Plans; and all incidentals required by these Specifications and Drawings.

BID ITEM 12. PILES AND BOOMS

BID ITEM 11 includes payment for all labor, equipment, and materials necessary to remove existing piles and booms and furnish and install new piles and booms and as shown on the Plans and required by the Specifications and all incidentals required by these Specifications and Drawings.

BID ITEM 13. ROCK RIP RAP

BID ITEM 13 includes payment for all labor, equipment, and materials necessary to furnish and install rock rip rap as indicated on the Drawings and required by the Specifications, including but not limited to: base preparation, excavation, filter fabric, rock rip rap; and all incidentals required by these Specifications and Drawings.

BID ITEM 14. 36-INCH STORM DRAIN

BID ITEM 14 includes payment for all labor, equipment, and materials necessary to furnish and install the 36-inch storm drain pipe as indicated on the Drawings and required by the Specifications, including but not limited to: excavation, removal and disposal of existing storm drain, backfill, compaction, fine grading, water tight connect to existing structure, appurtenances; and all incidentals required by these Specifications and Drawings.

BID ITEM 15. 24-INCH STORM DRAIN PIPE AND HEADWALL

BID ITEM 15 includes payment for all labor, equipment, and materials necessary to furnish and install the 24-inch storm drain pipe and headwall as indicated on the Drawings and required by the Specifications, including but not limited to: excavation, removal and disposal of existing storm drain and headwall, backfill, compaction, fine grading, appurtenances; and all incidentals required by these Specifications and Drawings.

BID ITEM 16. ALL WEATHER ACCESS ROAD AND AC WALKWAY

BID ITEM 16 includes payment for all labor, equipment, and materials necessary for the construction of an 8-inch AB all weather access road with an AC walkway as indicated on the Drawings and required by the Specifications, including but not limited to: excavation, compaction, fine grading, AB, AC, appurtenances; and all incidentals required by these Specifications and Drawings. Also included is removal and disposal of the existing concrete walkway from Point A to Point B as shown on the plans and filling of the resulting trench.

BID ITEM 17. DISPOSE OF ARUNDO (LEAVES, STEMS, ROOT WADS) AND MAN MADE TRASH, GARBAGE, LITTER, DEBRIS, ETC AT A LANDFILL

BID ITEM 17 includes all labor, equipment, materials necessary for the excavation and disposal at a landfill of Arundo, include all leaves, stems, root wads, and soil within 1 foot of the roots of the Arundo. It also includes all labor, equipment, materials necessary to collect and dispose of all man made trash, garbage, litter, debris, etc from all areas within the top of the banks of Lake Dalwigk and from the staging areas.

BID ITEM 18. ALL WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, WITH THE EXCEPTION OF THE WORK INCLUDED IN BID ITEMS 1 THROUGH 17

BID ITEM 18 includes payment for all labor, equipment and material necessary for a complete and operable system as shown on the plans or required in the contract except for the work included in bid items 1 through 17.

3.0. SCHEDULE FOR ESTIMATING PROGRESS PAYMENTS

| Bid Item | Estimated Progress Payment |
|---|--|
| Mobilization and Demobilization | Mobilization may be applied for after 5 percent of the work is complete. Demobilization may be applied for after substantial completion provided that other retainage exceeds value of punch list work. Record drawings must accompany application for demobilization payment. |
| Sheeting, Shoring, And Bracing | Based on percent of overall job completed. |
| Storm Water Pollution Prevention Program | Based on percent of overall job completed. |
| Potholing For Utilities | Based on percent of overall job completed. |
| Surveying and Field Engineering | Based on percent of work completed for this item. |
| Site Preparation | Based on percent of work completed for this item. |
| Dewatering/Desliting/Ground Water Disposal | Based on percent of overall job completed. |
| Lake Dalwigk Existing Outlet Structure Bar Rack Replacement and Handrail Replacement | Based on percent of work completed for this item. |
| Lake Dalwigk Low Flow Outlet Improvements, 48-inch Pipe and Connection to Existing Structure | Based on percent of work completed for this item. |
| Construction of Islands, Including On-Site Excavation and Placement of About 2,200 CY of Bay Mud Fill | Based on percent of work completed for this item. |

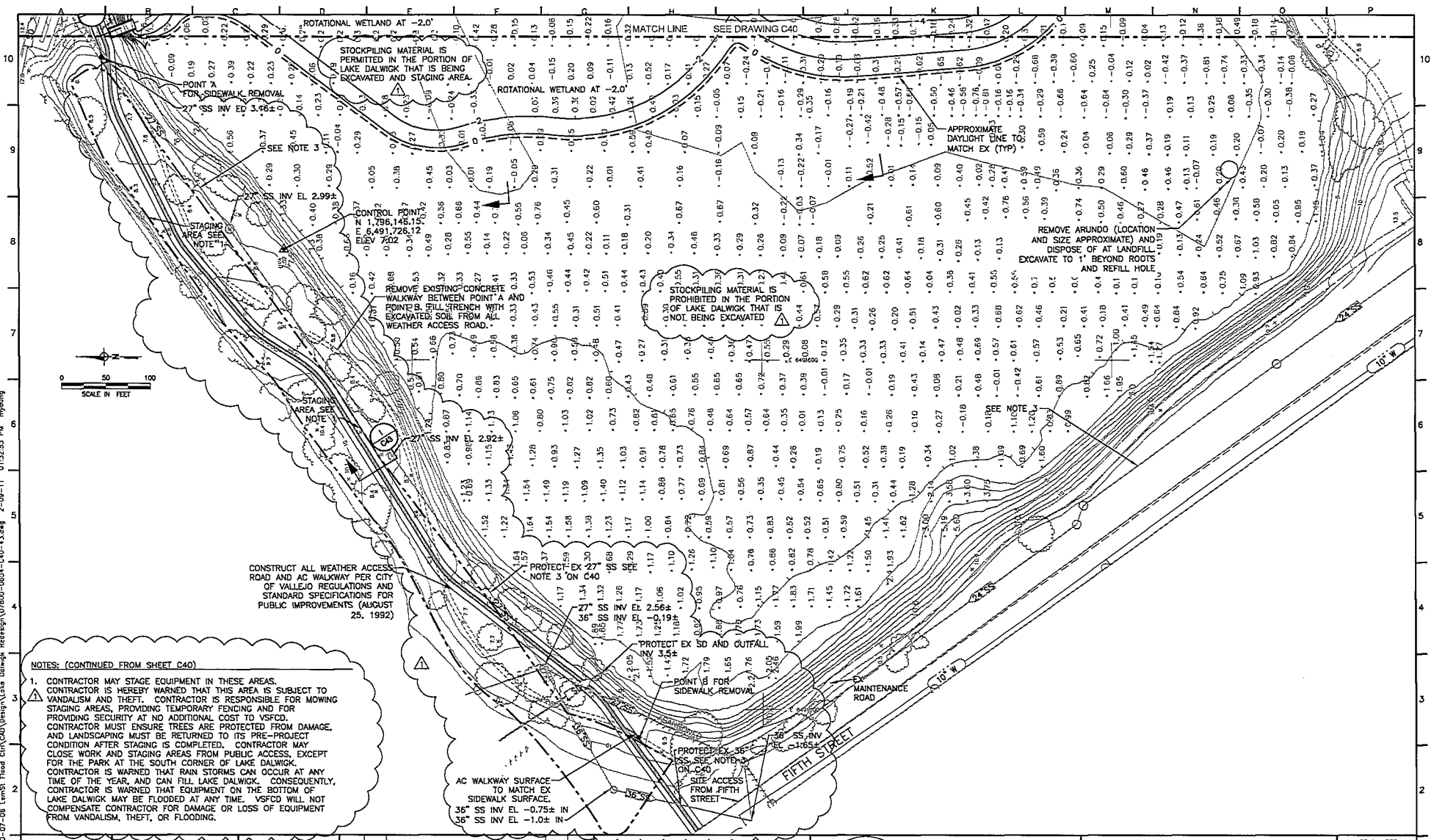
| Bid Item | Estimated Progress Payment |
|--|--|
| Excavation and Disposal of Soils and Vegetation, and Disposal of All Clearing, Grubbing, and Stripping Debris | Based on cubic yards of debris and soil removed from Project Site. The Engineer will determine the volume of material leaving the site by maintaining a count of the number and size of truck loads leaving the project site. For partially filled trucks the volume will be estimated by the Engineer based on the fraction that the truck is filled. |
| Piles and Booms | Based on percent of work completed for this item. |
| Rock Rip Rap | Based on tons of placed rock measured from the bottom of the prepared subgrade. |
| 36-Inch Storm Drain | Based on percent of work completed for this item. |
| 24-Inch Storm Drain and Headwall | Based on percent of work completed for this item. |
| All Weather Access Road and AC Walkway | Based on percent of work completed for this item. |
| Dispose of Arundo (leaves, stems root wads) old concrete and Man Made Trash, Garbage, Litter, Debris, etc. at a Landfill | Based on Tons of materials removed and disposed of. This item will be measured based on weight tickets from a scale approved by the engineer. |
| All work in accordance with the contract documents, except the work included in bid items 1 through 17 | Based on percent of overall job completed. |

Adjustment downward may be made based on field observations. Retention has not been included in the above payment schedule. Percentage of the progress payments will be retained in accordance with General Conditions, Section 00700, unless other arrangements are made in accordance with the Contract Documents.

****END OF SECTION****

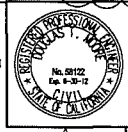
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NOTES: (CONTINUED FROM SHEET C40)

- CONTRACTOR MAY STAGE EQUIPMENT IN THESE AREAS. CONTRACTOR IS HEREBY WARNED THAT THIS AREA IS SUBJECT TO VANDALISM AND THEFT. CONTRACTOR IS RESPONSIBLE FOR MOWING STAGING AREAS, PROVIDING TEMPORARY FENCING AND FOR PROVIDING SECURITY AT NO ADDITIONAL COST TO VSFCD. CONTRACTOR MUST ENSURE TREES ARE PROTECTED FROM DAMAGE, AND LANDSCAPING MUST BE RETURNED TO ITS PRE-PROJECT CONDITION AFTER STAGING IS COMPLETED. CONTRACTOR MAY CLOSE WORK AND STAGING AREAS FROM PUBLIC ACCESS, EXCEPT FOR THE PARK AT THE SOUTH CORNER OF LAKE DALWIGK. CONTRACTOR IS WARNED THAT RAIN STORMS CAN OCCUR AT ANY TIME OF THE YEAR, AND CAN FILL LAKE DALWIGK. CONSEQUENTLY, CONTRACTOR IS WARNED THAT EQUIPMENT ON THE BOTTOM OF LAKE DALWIGK MAY BE FLOODED AT ANY TIME. VSFCD WILL NOT COMPENSATE CONTRACTOR FOR DAMAGE OR LOSS OF EQUIPMENT FROM VANDALISM, THEFT, OR FLOODING.



SUBMITTED: _____
 DATE: _____
 APPROVED: _____
 DATE: _____

THIS LINE IS 1 INCH AT FULL SCALE IF NOT SCALE ACCORDINGLY

SCALE: T=50'
 DRAWN BY: MLT
 DESIGNED BY: DTM
 PROJ. MOR.: DTM

| NO. | ZONE | REVISIONS | DTM | 2/11 |
|-----|------|-----------|-----|------|
| | | | | |

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BID/CONSTRUCTION PLANS

VALLEJO SANITATION & FLOOD CONTROL DISTRICT
 LAKE DALWIGK HABITAT ENHANCEMENT PROJECT

LAKE DALWIGK GRADING, ACCESS AND STAGING PLAN 2

JOB NUMBER: 078-07-08-01
 DRAWING NUMBER: C41
 SHEET NUMBER: 5 OF 14
 REVISION: