

DOCUMENT 00913

**ADDENDUM NUMBER 3**

Issued: March 16, 2016

**Isolation Valves Seismic Hazard Mitigation**

FROM: Sonoma County Water Agency  
404 Aviation Boulevard  
Santa Rosa, CA 95403-9019

TO: Prospective Bidders

This Addendum forms a part of and modifies the Project Manual dated February 2016, Addendum Number 1 dated March 2, 2016, and Addendum Number 2 dated March 11, 2016. Bidder shall acknowledge receipt of this Addendum in the space provided in Document 00400 (Bid Form).

Modified text is indicated as follows: Double-underline designates text to be inserted; ~~strike-out~~ designates text to be deleted.

Addendum Number 3 consists of 41 pages (size 8 1/2" x 11") and 1 revised Drawing.

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**I. General Changes**

A. No changes.

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**II. Changes to Prior Addenda**

A. Document 00100 (Advertisement for Bids), modify Paragraph 9 as follows:

9. **MANDATORY PRE-BID CONFERENCE AND SITE VISIT.** Owner will conduct a Pre-Bid Conference at 10:00 a.m. on Tuesday, March 8, 2016, and at 10:00 a.m. on Thursday, March 17, 2016 at Owner's Office to consider such matters as Bidders may request and a Pre-Bid Site Visit immediately following. A map showing the meeting place for the Pre-Bid Conference is included in Document 00201 (Pre-Bid Conference Vicinity Map). Bidders must attend one of the Pre-Bid Conferences and Site Visits and sign an attendance roster as a condition to bidding. The Pre-Bid Conference and Site Visit will last approximately 7 hours.

B. Replace Document 00800 with the attached, modified Document 00800, dated March 16, 2016.

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**III. Changes to Introductory Information and Bidding Requirements**

A. Document 00200 (Instructions to Bidders), modify Paragraph 5.D. as follows:

D. Bidders must attend one of the Pre-Bid Conferences and Site Visits and sign an attendance roster as a condition to bidding.

B. Document 00400 (Bid Form):

1. Paragraph 4, Schedule of Bid Prices, modify Bid Item 6 as follows:

6.	Storm Water Pollution Prevention Plan <del>and Implementation</del>	XXXXXX	Lump Sum	XXXXXX	\$
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2. Paragraph 4, Schedule of Bid Prices, add Bid Item 7 and renumber remaining bid items accordingly.

7.	Shoring	1	Lump Sum	\$	\$
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3. Paragraph 4, Schedule of Bid Prices, modify Bid Items 9-28

- a. In Estimated Quantity column, change numeral to "XXXXXX"
- b. In Unit Price column, change "\$" to "XXXXXX"
- c. In Total column, add "\$"

Bidder shall use the revised Document 00400 (Bid Form) attached, marked "\*\*\*REVISED MARCH 16, 2016\*\*" in its Bid.

C. Document 00450 (Statement of Qualifications for Construction Work):

1. Paragraph 1.A.3, modify as follows:

- 3. Bidders must demonstrate successful experience with the type of work of this Project, to include, within the past five years, completed three projects of a similar nature and complexity with a contract dollar amount of at least \$2,000,000 each. Each of the three qualifying projects must include one of the following: 1) line stop on pipe 36" diameter or larger, 2) joint welding on ~~gasketed~~ steel pipe 36" diameter or larger, or 3) installing butterfly valves on steel pipe 36" diameter or larger.

2. Modify Part D: Experience of Prime Contractor sub-paragraph as follows:

**Qualifying Projects.** List three construction projects of a similar nature and complexity, completed within the past five years, with a contract dollar amount of at least \$2,000,000 each, and demonstrate all three of the following criteria: 1) line stop on pipe 36" diameter or larger, 2) joint welding on ~~gasketed~~ steel pipe 36" diameter or larger, or 3) installation of butterfly valves on steel pipe 36" diameter or larger. Each project must include at least one of these criteria. Names and references must be current and verifiable. If a separate sheet is used, it must contain all of the information shown on the following table:

3. Modify Part D: Experience of Prime Contractor table text as follows:

Diameter in inches and psi of joint welding on <del>gasketed</del> steel pipe (minimum 36" diameter and 100 psi required)			
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4. Modify Part E: Experience of Designated Subcontractor(s) sub-paragraph as follows:

**Qualifying Projects.** List five construction projects of a similar nature and complexity, completed within the past ten years, at least 2 of which were completed within the last 3 years. For a project to be considered similar for these purposes, each project must include line stops on pressurized bar-wrapped AWWA C303 (or similar) cement mortar lined and coated pipe 36" diameter or bigger ~~and working pressures exceeding 100 psi~~. If a separate sheet is used, it shall contain all of the information shown on the following table:

5. Modify Part E: Experience of Designated Subcontractor(s) table text as follows:

Diameter in inches and psi of completed line stops on AWWA C303 (or similar) cement mortar lined and coated pipe (minimum 36" diameter <del>and 100 psi required</del> )					
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6. Bidder shall use the revised Document 00450 (Statement of Qualifications for Construction Work) attached, marked "\*\*\*REVISED MARCH 16, 2016\*\*" in its Bid.

**IV. Changes to Contracting Requirements**

- A. Document 00520 (Agreement):

1. Article 4, modify Bid Item 6 as follows:

6.	Storm Water Pollution Prevention Plan <del>and Implementation</del>	XXXXXX	Lump Sum	XXXXX	\$
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2. Article 4, add Bid Item 7 and renumber remaining bid items accordingly.

7.	Shoring	XXXXXX	Lump Sum	XXXXXX	\$
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3. Document 00520 (Agreement), Article 4, modify Bid Items 9-28:
  - a. In Estimated Quantity column, change numeral to "XXXXXX"
  - b. In Unit Price column, change "\$" to "XXXXX"
  - c. In Total Price column, add "\$"

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## V. Changes to Conditions of the Contract

- A. No Changes.
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## VI. Changes to Specifications

- A. Section 01100 (Summary):

1. Add the following as Paragraph 1.4.D.7 and renumber remaining paragraphs accordingly:
  7. Shoring. The lump sum price paid under this item shall be full payment for designing, providing and removing temporary shoring and bracing for Work.
2. Modify renumbered Paragraphs 1.4.D.9 through 1.4.D.28 as follows:
 

... Appurtenant fittings, pipes, valves, and other items necessary for providing the fully functional systems listed above that are included in the specifications and details shall be included in this bid item. This item also includes items that are specific to individual sites including SWPPP ~~preparation and~~ implementation, restriping, reconstructing utilities, abandoning utilities, vineyard protection, gate installation, site access construction, utility box modifications, signal wire, electrical connections, and connection to a logic controller.
3. Modify Paragraph 1.7 B.1.a as follows:
  - a. The allowable cumulative shutdown duration is 24 hours at each Site, unless specified otherwise.
4. Modify Paragraph 1.16 B.6 as follows:
  6. For work on Owner's existing aqueducts such as mortar stripping and welding, all responsible Contractor staff shall be field trained by Owner's Operations and Maintenance staff. ~~Trainings will be scheduled during regular weekly jobsite meetings.~~ Contractor's plan shall name all staff to be trained ~~and list actual or scheduled training dates.~~
5. Modify Paragraph 1.17 C.2. as follows:
  2. ~~State Water Resources North Coast and San Francisco Bay Regional Water Quality Control Board (NCRWQCB and SFBRWQCB) Order No. 2012-0006-DWQ93-61. Order No. 93-61 prescribes conditions and limitations for discharge of groundwater to surface water associated with construction dewatering. A copy of Order No. 93-61 is included at the end of this Section 01100.~~
6. Delete Paragraph 1.17 C.3. in its entirety. Renumber remaining paragraph(s) accordingly.
  3. ~~North Coast and San Francisco Bay Regional Water Quality Control Board (NCRWQCB and SFBRWQCB), Resolution No. R1-2002-0080, Policy for Waiving Waste Discharge Requirements for Specific Types of Waste Discharge. Obtain a waiver or permission from the NCRWQCB and SFBRWQCB in compliance with Resolution No. R1-2002-0080.~~

~~A copy of Resolution No. R1-2002-0080 is available for review at Owner's Office or at:~~

~~[www.waterboards.ca.gov/northcoast/index.html](http://www.waterboards.ca.gov/northcoast/index.html)~~

- B. Replace Section 02255 (Shoring) with the attached, modified Section 02255 (Shoring), dated March 16, 2016.
- C. Section 02320 (Trenching, Backfilling, and Compacting for Utilities):
1. Modify Paragraph 3.4.O as follows:
    - O. Tapping Saddle
      1. Prior to engaging the line stop, see Section 15125 (Tapping Sleeves and Line Stops), install concrete bearing block.
        - ~~a. Place CLSM block~~
          - ~~1) Within pipe bedding zone from bottom of trench to crown of pipe~~
          - ~~2) Spanning the width of the trench~~
          - ~~3) For the length of the tapping sleeve and beyond by a minimum of 1 foot~~
      2. Modify Paragraph 3.4.P1.1) as follows:
        - 1) Within pipe bedding zone from bottom of trench to springline invert of pipe
- D. Section 15125 (Tapping Sleeves and Line Stops):
1. Delete Paragraph 2.1.B in its entirety. Renumber remaining paragraph(s) accordingly.
    - ~~B. Line Stop~~
      - ~~1. Tap Masters Inc~~
      - ~~2. Team Industrial Services~~
      - ~~3. Or approved equal~~

## VII. Changes to Drawings

- A. Delete Drawing No. D-1 and replace with Drawing No. D-1 attached and marked "03/16/16 Addendum #3"

## VIII. Question(s)/Answer(s)

Owner's responses to Bidder questions shall be for the purposes of interpretation and clarification of the Contract Documents only, and shall not be construed as changing, superseding, or contradicting any express term in the Contract Documents. If any Bidder believes that a response to a question warrants a change in any term in the Contract Documents, the Bidder shall so request the change be made in writing addressed to Owner and received no later than the latest date for submitting Bidder questions. In the absence of a change in any term of the Contract Documents, the express terms of the Contract Documents shall have precedence. Bidder questions are listed below verbatim.

- A. I just want to confirm there are no pre qualified Linestop subcontractors listed.

### Part 2 Products

#### 2.1 Manufacturers

##### B. Linestop

1. Tap Master
2. Team

This designation is for the product manufacturing only, correct?

Both companies will still be required to qualify their subcontractor history by completing **Part E - Experience of Designated Subcontractors?**

Owner's response: Answered in this Addendum above.

B. Below is a question to the owner:

7. This question is in regards to CLSM backfill. Note #11 on drawing D-5 says: "provide CDF bedding up to aqueduct invert in the entire trench where butterfly valve is to be install. Pipe and appurtenant features shall not be encapsulated by CDF". Note #4, in drawing CP-1 says: " poly wrap valve and pipe 2-feet beyond each ends, backfill valve and bare steel with CLSM". Specs Section 2320-3.4-P says: " Embed valve in CLSM within pipe bedding zone from bottom of trench to springline of pipe". Please clarify the backfill specification around the valves.

Owner's response: Answered in this Addendum above.

C. Detail 1 of drawing D-1 for Tapping Sleeve and Butterfly Valve Assembly shows 2 Air Release Valves. There is only one Air Release Valve shown at the station 123+25, station 244+26, station 702+85, and station 783+30. Please clarify.

Owner's response: Answered in this Addendum above.

D. There is a note in Detail 1 of drawing D-1 says : " Tapping sleeve to be welded to pipe by owner". Please clarify.

Owner's response: Answered in this Addendum above.

E. Specs Section 01100-1.15-F requires the contractor to coordinate relocation of equipment related to the telemetry and voice communication systems with Owner; but we can't find the telemetry and voice communication systems in the contract drawings. Please clarify.

Owner's response: Bid per Bidding Documents.

F. Is there a Geotech Report available for this project? If so, please direct us where to find it.

Owner's response: All available reports are listed in Document 00320 (Geotechnical Data and Existing Conditions).

G. A few of the work sites are close to the SMART train tracks. Is there a daily train schedule you could provide so we can estimate how much down time we will incur due to passing trains?

Owner's response: Owner does not have a daily train schedule.

H. Spec Section 01100, 1.7 Sequence states that Pipeline shutdowns are allowed with 2 business days' notice and that the allowable cumulative shutdown duration is 24 hours at each site. What specific work is the contractor required to perform during these shutdowns?

Owner's response: Bid per Bidding Documents.

I. In regards to this contract bid I have a request to add by addendum a second approved combination air valve manufacturer in specification section 15115. Please see the attached spec review, catalog data, and detailed comparison sheet of the proposed Vent-Tech 'WTR' air valve by International Valve to the current specified Vent-O-Mat brand. We respectfully request that SCWA add Vent-Tech (International Valve) model WTR to the list of manufactures and models for the air valves in spec section 15115. After you review the attached information I am confident that you will find adding the Vent-tech will only

improve the current desired air valve type for your district and be a seamless direct replacement and improvement to all new and existing "Flat Float Cylindrical Type" air valves operating in your district. The Vent-Tech air valves are 100% USA made and if your district has any federal funding on projects a great majority of them also require these valves to be domestic in lieu of the Vent-O-Mat which is from South Africa. I am not sure if this is the case on this project, but definitely worth pointing out for future projects. If you have any additional questions during your review please don't hesitate to contact us.

Owner's response: Bid per Bidding Documents.

J. Another suggested Amendment

Part 2 Products

2.1 Butterfly Valves

1. Henry Pratt Company: Groundhog

Working pressure: Rated for 150 psi. (class 150B per ANSI/AWWA C504)

This should be changed to:

Butterfly Valves

Henry Pratt XP2 (same manufacturer as Groundhog)

250 psi. flange 125 drilling

(has a larger gear box and meets the pressure of the system)

Owner's response: Bid per Bidding Documents.

K. I just want to confirm there are no pre qualified Linestop subcontractors listed.

Part 2 Products

2.1 Manufacturers

B. Linestop

1. Tap Master

2. Team

This designation is for the product manufacturing only, correct?

Both companies will still be required to qualify their subcontractor history by completing Part E - Experience of Designated Subcontractors?

Owner's response: Answered in this Addendum above.

L. Unless I am missing this on the cut sheets provided, C303 has 13 different design pressures. Is there anything showing the design pressure class at each site? Peeling off the tension wires at the pressures shown could be a concern if the class is low and relying on the wires for its strength.

Owner's response: Bid per Bidding Documents.

M. Detail D-1 sheet 23 of 32 also states that the Tapping sleeve is "welded onto pipeline by owner".

And also each drawing references this statement.

Owner's response: Answered in this Addendum above.

N. Question: Are there any Linestops required on this project ? If so what size and how many?

Owner's response: Bid per Bidding Documents.

O. Butterfly Valves - Details

Groundhog really does not handle these pressures  
Pratt HP-250II 250wp/125 drilling  
250 psi. /flange 125 drilling

Owner's response: Owner finds this question ambiguous and cannot answer it.

- P. Gateway Pacific Contractors is primarily involved in Water Storage, Water and Waste Water Treatment Plant construction and upgrades. Most all of our projects require some welded steel pipe installation of various sizes including 36" and larger diameter. We are always required to perform our work so that it does not affect the owners ongoing operation. Making live tie ins to existing pipe lines is fairly common in our treatment plant and water storage projects - whether it be by means of a stop plug, temporary valves, or blind flange material.

"Part D: Experience Of Prime Contractor" in your specifications, is written in such specific language, that we do not believe we meet those exact requirements - regardless of our past experience. Because of that, we will not be able provide you with a competitive bid.

Owner's response: Owner finds this question ambiguous and cannot answer it.

END OF DOCUMENT

DOCUMENT 00400

**BID FORM**

To be submitted as part of Envelope "A" by the time and date specified in Document 00200 (Instructions to Bidders), paragraph 1.

TO THE HONORABLE BOARD OF DIRECTORS OF THE SONOMA COUNTY WATER AGENCY

THIS BID IS SUBMITTED BY:

\_\_\_\_\_  
(Firm/Company Name)

Re: CONTRACT NUMBER 60-64-7 #2, ISOLATION VALVES SEISMIC HAZARD MITIGATION

1. The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an agreement with the Sonoma County Water Agency, a public agency of the State of California ("Owner") in the form included in the Contract Documents, Document 00520 (Agreement), to perform and furnish all Work as specified or indicated in the Contract Documents for the Contract Sum and within the Contract Time indicated in this Bid and in accordance with all other terms and conditions of the Contract Documents.
2. Bidder accepts all of the terms and conditions of the Contract Documents, Document 00100 (Advertisement for Bids), and Document 00200 (Instructions to Bidders), including, without limitation, those dealing with the disposition of Bid Security. This Bid will remain subject to acceptance for 90 Days after the day of Bid opening.
3. In submitting this Bid, Bidder represents:
  - (a) Bidder has examined all of the Contract Documents and all of the Addenda (receipt of all of which is hereby acknowledged). The Addenda are listed below.

Addendum Number	Addendum Date	Signature of Bidder

- (b) Bidder acknowledges receipt of Pre-Bid Conference minutes.

- (c) Bidder has visited the Site and performed all tasks, research, investigation, reviews, examinations, and analysis and given notices, regarding the Project and the Site, as set forth in Document 00520 (Agreement), Article 5.
  - (d) Bidder has given Owner prompt written notice of all conflicts, errors, ambiguities, or discrepancies that it has discovered in or among the Contract Documents and as-built drawings and actual conditions and the written resolution thereof through Addenda issued by Owner is acceptable to Contractor.
  - (e) Bidder represents and agrees that in submitting its Bid, it is not relying on any information regarding the DBE Solicitation List supplied by Owner.
4. Based on the foregoing, Bidder proposes and agrees to fully perform the Work within the time stated and in strict accordance with the Contract Documents for the following sums of money listed in the following Schedule of Bid Prices:

SCHEDULE OF BID PRICES

All Bid items, including lump sums and unit prices, must be filled in completely. Bid items are described in Section 01100 (Summary of Work). Quote in figures only, unless words are specifically requested.

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
1.	Bonds	XXXXXX	Lump Sum	XXXXX	\$
2.	Insurance	XXXXXX	Lump Sum	XXXXX	\$
3.	Safety Program and Implementation	XXXXXX	Lump Sum	XXXXX	\$
4.	Construction Material Waste Management Plan and Implementation	XXXXXX	Lump Sum	XXXXX	\$
5.	Installation, Operation, and Maintenance Manuals	XXXXXX	Lump Sum	XXXXX	\$
6.	Storm Water Pollution Prevention Plan	XXXXXX	Lump Sum	XXXXX	\$
7.	Shoring	XXXXXX	Lump Sum	XXXXX	\$
8.	Mobilization/ Demobilization	XXXXXX	Lump Sum	XXXXX	\$
9.	Site work, Sta 123+25 on the Santa Rosa Aqueduct	XXXXXX	Lump Sum	XXXXX	\$

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
10.	Site work, Sta 244+26 on the Santa Rosa Aqueduct	XXXXXX	Lump Sum	XXXXX	\$
11.	Site work, Sta 420+25 on the Santa Rosa Aqueduct	XXXXXX	Lump Sum	XXXXX	\$
12.	Site work, Sta 621+33 on the Santa Rosa Aqueduct	XXXXXX	Lump Sum	XXXXX	\$
13.	Site work, Sta 339+58 on the Petaluma Aqueduct	XXXXXX	Lump Sum	XXXXX	\$
14.	Site work, Sta 475+33 on the Petaluma Aqueduct	XXXXXX	Lump Sum	XXXXX	\$
15.	Site work, Sta 702+85 on the Petaluma Aqueduct	XXXXXX	Lump Sum	XXXXX	\$
16.	Site work, Sta 767+22 on the Petaluma Aqueduct	XXXXXX	Lump Sum	XXXXX	\$
17.	Site work, Sonoma Tank Number 1 Outlet on the Sonoma Aqueduct	XXXXXX	Lump Sum	XXXXX	\$
18.	Site work, Sta 118+50 on the Sonoma Aqueduct	XXXXXX	Lump Sum	XXXXX	\$
19.	Site work, Sta 205+82 on the Sonoma Aqueduct	XXXXXX	Lump Sum	XXXXX	\$
20.	Site work, Sta 348+85 on the Sonoma Aqueduct	XXXXXX	Lump Sum	XXXXX	\$
21.	Site work, Sta 518+54 on the Sonoma Aqueduct	XXXXXX	Lump Sum	XXXXX	\$
22.	Site work, Sta 750+96 on the Sonoma Aqueduct	XXXXXX	Lump Sum	XXXXX	\$
23.	Site work, Sta 844+25 on the Sonoma Aqueduct	XXXXXX	Lump Sum	XXXXX	\$
24.	Site work, Sta 107+20 on the Cotati Intertie	XXXXXX	Lump Sum	XXXXX	\$
25.	Site work, Sta 241+71 on the Cotati Intertie	XXXXXX	Lump Sum	XXXXX	\$
26.	Site work, Sta 539+00 on the Cotati Intertie	XXXXXX	Lump Sum	XXXXX	\$

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
27.	Site work, Sta 713+28 on the Cotati Intertie	XXXXXX	Lump Sum	XXXXX	\$
28.	Site work, Sta 783+20 on the Cotati Intertie	XXXXXX	Lump Sum	XXXXX	\$
29.	All Other Work	XXXXXX	Lump Sum	XXXXX	\$
<b>TOTAL BID PRICE</b>					\$
30.	Contingency Reserve	XXXXXX	XXXXXX	XXXXX	\$50,000
<b>TOTAL</b>					\$

Total: \_\_\_\_\_  
 (Words)

5. Subcontractors for work included in all Bid items are listed on the attached Document 00430 (Subcontractors List).
6. The undersigned Bidder understands that Owner reserves the right to reject this Bid.
7. If written notice of the acceptance of this Bid, hereinafter referred to as Notice of Award, is mailed or delivered to the undersigned Bidder within the time described in paragraph 2 of this Document 00400 or at any other time thereafter unless the Notice of Award is withdrawn, the undersigned Bidder will execute and deliver the documents required by Document 00200 (Instructions to Bidders) within the times specified therein. These documents include, but are not limited to, Document 00520 (Agreement), Document 00611 (Construction Performance Bond), and Document 00612 (Construction Labor and Material Payment Bond).
8. Notice of Award or request for additional information may be addressed to the undersigned Bidder at the address set forth below.
9. The undersigned Bidder herewith encloses cash, a cashier’s check, or certified check of or on a responsible bank in the United States, or a corporate surety bond furnished by a surety authorized to do a surety business in the State of California, in form specified in Document 00200 (Instructions to Bidders), in the amount of ten percent (10%) of the Total Bid Price and made payable to “Sonoma County Water Agency.”
10. The undersigned Bidder agrees to commence Work under the Contract Documents on the date established in Document 00700 (General Conditions) and to complete all work within the time specified in Document 00520 (Agreement). The undersigned Bidder acknowledges that Owner has reserved the right to delay or modify the commencement date. The undersigned Bidder further acknowledges Owner has reserved the right to perform independent work at the Site, the extent of such work may not be determined until after the opening of the Bids, and that the undersigned Bidder will be required to cooperate with such other work in accordance with the requirements of the Contract Documents.

11. The undersigned Bidder agrees that, in accordance with Document 00700 (General Conditions), liquidated damages for failure to complete all Work in the Contract within the time specified in Document 00520 (Agreement) shall be as set forth in Document 00520 (Agreement).

12. The names of all persons interested in the foregoing Bid as principals are:

(IMPORTANT NOTICE: If Bidder or other interested person is a corporation, give the legal name of corporation, state where incorporated, and names of president and secretary thereof; if a partnership, give name of the firm and names of all individual co-partners composing the firm; if Bidder or other interested person is an individual, give first and last names in full).

**NAME OF BIDDER:** \_\_\_\_\_  
licensed in accordance with an act for the registration of Contractors, and with license number: \_\_\_\_\_ Expiration: \_\_\_\_\_.

**REGISTRATION PURSUANT TO LABOR CODE SECTION 1725.5:**

Contractor's registration number: \_\_\_\_\_

\_\_\_\_\_  
Where incorporated, if applicable

\_\_\_\_\_  
Principals

I certify (or declare) under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

\_\_\_\_\_  
Signature of Bidder

\_\_\_\_\_  
Date of Execution

\_\_\_\_\_  
Place of Execution

NOTE: If Bidder is a corporation, set forth the legal name of the corporation together with the signature of the officer or officers authorized to sign contracts on behalf of the corporation. If Bidder is a partnership, set forth the name of the firm together with the signature of the partner or partners authorized to sign contracts on behalf of the partnership.

Business Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Contractor's Representative(s), (name, title): \_\_\_\_\_  
\_\_\_\_\_

Officers authorized to sign contracts:

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Signature of Officer

Title

Date of Execution

Place of Execution

Telephone Number(s):

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Fax Number(s):

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Email address(es):

---

Date of Bid:

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END OF DOCUMENT

## DOCUMENT 00450

**STATEMENT OF QUALIFICATIONS FOR CONSTRUCTION WORK**

\*To draw Bidders' attention to attachments that may be required by this SOQ, Owner has included "☐ →" in the margin of this document\*

**1. GENERAL INFORMATION****A. Minimum Bidder Qualifications:**

1. Bidders must be duly licensed in accordance with the California Business & Professions Code and have a history of work performance sufficient to meet the requirements of a responsible bidder as defined in the California Public Contract Code Section 1103. Bidders must have five years' experience as a continuously operating entity engaged in the performance of similar work.
3. Bidders must demonstrate successful experience with the type of work of this Project, to include, within the past five years, completed three projects of a similar nature and complexity with a contract dollar amount of at least \$2,000,000 each. Each of the three qualifying projects must include one of the following: 1) line stop on pipe 36" diameter or larger, 2) joint welding on ~~gasketed~~ steel pipe 36" diameter or larger, or 3) installing butterfly valves on steel pipe 36" diameter or larger.

**B. Minimum requirements for Bidder and its team:**

1. Evidence that Bidder and its team, including without limitation its Line stop Subcontractor(s), or the Bidder to the extent Bidder performs such Work itself (hereafter "designated Subcontractor(s)"), have the human and physical resources of sufficient quantity and quality to perform the Work under Contract Documents in a timely and Specification-compliant manner, to include:
  - a. Evidence demonstrating Bidder's commitment to project safety and its ability to complete projects in a safe manner.
  - b. Construction and management organizations with sufficient personnel and requisite disciplines, licenses, skills, experience, and equipment for the Project.
  - c. Minimum licensing requirements including evidence of requisite licenses for Key Personnel of Bidder or any designated Subcontractor.
  - d. A field organization with skills, experience, and equipment sufficient to perform all on-Site Work and necessary scheduling.
2. Minimum requirements for Key Personnel:
  - a. Expertise of Key Personnel to accomplish the duties and responsibilities required to perform the Work under Contract Documents. Minimum experience requirements of each Key Personnel include the completion of three projects of similar nature and complexity and three years of experience on projects of similar nature and complexity.
  - b. Special requirements for certain Key Personnel:
    - 1) Minimum experience requirements of the Project Manager include completion of three projects of similar nature and complexity and five years of experience on projects of similar nature and complexity.
    - 2) Minimum experience requirements of the Project Superintendent include completion of three projects of similar nature and complexity and five years of experience on projects of similar nature and complexity.

3. Minimum requirements for Line Stop Subcontractor:
  - a. Line Stop Subcontractor must demonstrate a minimum of 10 years experience in the field of line stops and with type of work of this Project, including successful completion of five similar projects within the last 10 years, at least 2 of which were completed within the last 3 years. For a project to be considered similar for these purposes, each project must include line stops on pressurized bar-wrapped AWWA C303 (or similar) cement mortar lined and coated pipe 36" diameter or larger and working pressures exceeding 100 psi.

## 2. REQUIRED CONTENTS OF SOQ SUBMISSION

- A. Financial Capacity. Owner reserves the right to require submission of audited or reviewed financial statements for the three most recently completed fiscal years for Bidder and each member of any proposed consortium or joint venture, prior to issuance of the Notice of Award. If requested by Owner, Bidder must also include audited or reviewed financial statements for the three most recently completed fiscal years for any parent company(ies) of Bidder and each member of any proposed consortium or joint venture. Bidder shall fully disclose the nature and extent of any material changes in Bidder's financial condition since the date of its most recent audited or reviewed financial statement(s).
- B. Capability to Provide Required Performance and Payment Bonds.
  - 1. Include a completed "Letter of Assurance Regarding Performance and Payment Bonds" from Bidder's Surety in the form attached to this Document 00450 as Attachment "A;"
  - 2. Include a completed "Authorization to Contact Surety" from Bidder in the form attached to this Document 00450 as Attachment "B."
- C. Human and Physical Resources. Identify, describe, and quantify for Bidder and separately for Bidder's "designated Subcontractor(s)," if any, the following technical resources for the Work:
  1. Description and location of manufacturing facilities, naming products and quantifying production capacity and current demand;
  2. Description of field organization(s), naming skills and equipment;
  3. Description of safety program, quality control procedures, and safety experience; and
  4. Evidence of a valid California contractor's license and required licenses of all persons who are Key Personnel of the Bidder or any designated Subcontractor.
- D. Completed Questionnaire. Include a completed "Statement of Qualifications Questionnaire" in the form attached to this Document 00450 as Attachment "C." Add supplementary information if necessary.
- E. Résumés of Proposed Key Personnel. Include a resume for each named Key Personnel of Bidder, and Bidder's (including but not limited to the superintendent) designated Subcontractor(s), to include the following:
  1. Name and proposed assignment of Key Personnel - do not include home addresses or phone numbers;
  2. Years of experience;
  3. Education - degrees, schools, and years obtained;
  4. Professional registration(s);
  5. Fluency in English (Yes/No);
  6. Experience directly related to above proposed assignment;
  7. At least three client references, including contact names, addresses, and telephone numbers; and

8. Description of experience requirements as required above.

- → F. Litigation History. Bidder shall submit a description of all claims and litigation matters, whether pending or resolved, brought by or against Bidder in the last five (5) years, which description shall include, for each such matter, the names of involved parties, the nature of dispute, and its disposition, including the dollar amount of any judgment or settlement.

### 3. GENERAL CONDITIONS

- A. General Conditions for Content. The SOQ shall be clear and concise to enable Owner to make a thorough evaluation and arrive at a sound determination as to whether the SOQ meets Owner's requirements. To this end, the SOQ shall be so specific, detailed, and complete as to demonstrate clearly and fully that the Bidder has a thorough understanding of and has demonstrated knowledge of the requirements to perform the Work (or applicable portion thereof).
- B. Explanations to SOQ. Any explanation requested by a Bidder regarding the meaning or interpretation of this Document 00450 shall be requested in writing in accordance with Document 00200 (Instructions to Bidders). Oral explanations or instructions will not be binding. Any information provided to any prospective Bidder concerning this Document 00450 will be furnished to all prospective Bidders as an Addendum to the Bidding Documents.

### 4. DEFINITIONS

- A. Except as set forth herein, all abbreviations and definitions of terms used in this Document 00450 are as set forth in Document 00700 (General Conditions) or Section 01420 (References and Definitions).

ATTACHMENT A, LETTER OF ASSURANCE REGARDING PERFORMANCE AND PAYMENT BONDS; ATTACHMENT B AUTHORIZATION TO CONTACT SURETY FORM; AND ATTACHMENT C, STATEMENT OF QUALIFICATION QUESTIONNAIRE ARE ON FOLLOWING PAGES

**ATTACHMENT "A" -- Letter of Assurance Regarding Performance and Payment Bonds**

To Sonoma County Water Agency:

This letter is written by \_\_\_\_\_ [insert name of surety], a surety duly licensed to do business in the State of California, having a financial rating from A. M. Best Company of A or better. The purpose of this letter is to advise the Sonoma County Water Agency that this surety has agreed to provide \_\_\_\_\_ [insert name of Bidder] with the required performance and payment bonds in accordance with the requirements set forth in Documents 00611 (Construction Performance Bond) and 00612 (Construction Labor and Material Payment Bond) for the Isolation Valves Seismic Hazard Mitigation, if the Bid submitted by said Bidder is accepted and the Contract is awarded to said Bidder. These performance and payment bonds shall be in the minimum penal sums provided therein.

\_\_\_\_\_  
Signature of Surety's Authorized Representative

\_\_\_\_\_  
Name and Title

\_\_\_\_\_  
Date

**ATTACHMENT "B" -- Authorization to Contact Surety**

The Sonoma County Water Agency is hereby authorized to verify with the Surety identified in Attachment "A" that the Surety will, based upon Bid prices, issue the required bonds under the conditions stated in Attachment "A."

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Signature of Bidder's Authorized Representative

---

Name and Title

---

Date

**ATTACHMENT "C" -- Statement of Qualifications Questionnaire**

Bidders shall complete the entire Statement of Qualification Questionnaire and submit it in accordance with Document 00200 (Instructions to Bidders) and this Document 00450. Failure to complete the questionnaire or inclusion of any false statement(s) shall be grounds for immediate disqualification. Label attachments with a reference to the related document, part, and question number.

**BIDDER'S CONTACT INFORMATION**

Company Name: \_\_\_\_\_

Owner of Company: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

**PART A: GENERAL INFORMATION**

Complete Part A before proceeding to Part B.

- 1. Does Bidder possess a valid and current California Contractor’s license for the Work proposed? Yes \_\_\_\_\_ No \_\_\_\_\_
- 2. Does Bidder have the minimum general liability insurance coverage as required by Document 00800 (Supplementary Conditions)? Yes \_\_\_\_\_ No \_\_\_\_\_

**Bidder will be immediately disqualified if any answer to questions 1 or 2 above is No.**

- 3. Has Bidder’s license been suspended or revoked at any time in the last five years? Yes \_\_\_\_\_ No \_\_\_\_\_
- 4. Has Bidder been “default terminated” by an owner (other than for convenience), or has a Surety completed a contract for Bidder within the last five years? Yes \_\_\_\_\_ No \_\_\_\_\_
- 5. Labor Commissioner assessments or determination of ineligibility to bid:
  - a. Has Bidder had a final civil wage and penalty assessment against it from the Labor Commissioner more than twice in the last five years? Yes \_\_\_\_\_ No \_\_\_\_\_
  - b. Has Bidder been determined by the Labor Commissioner to be ineligible to bid on public contracts more than twice in the last five years? Yes \_\_\_\_\_ No \_\_\_\_\_

**Bidder will be immediately disqualified if any answer to questions 3, 4, 5.a, or 5.b above is Yes.**

**PART B: SAFETY, PREVAILING WAGE, DISPUTES, AND BONDS**

**(SAFETY)**

1. Do you have any Cal/OSHA Citations or Penalties: Yes\_\_\_\_\_ No\_\_\_\_\_

→ If yes, please submit the following information to determine if Bidder meets the suggested safety criteria for this Project. Describe any Cal/OSHA citations and penalties that Bidder has received in the last three years. For each occurrence state whether the action by Cal/OSHA resulted in a citation, or a penalty, or both. Describe the activities that led to the action by Cal/OSHA. Provide dates, citation numbers, penalty amounts, and any other relevant information regarding the action by Cal/OSHA. Responses shall be machine written or neatly printed on company letterhead and signed by an officer of the company.

→ Cal/OSHA 300A log for 2015.

2. Experience Modification Rates:  
 What were Bidder’s Interstate Experience Modification Rates as established by the Workers’ Compensation Insurance Rating Bureau for the following three years?

2013: \_\_\_\_\_  
 2014: \_\_\_\_\_  
 2015: \_\_\_\_\_

Average of last three years: \_\_\_\_\_ (no rounding)

→ If Bidder was not eligible to obtain a formal rating from the Workers’ Compensation Insurance Rating Bureau for any of the years listed above, Bidder shall submit written documentation from its workers’ compensation insurance company that establishes what Bidder’s equivalent experience modification rate would be.

→ If average of last three years is greater than 1.1, Bidder shall provide an explanation here or as a separate attachment:

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3. Total Recordable Incident Rates (RIR):  
 What were Bidder’s Total Recordable Incident Rates (RIR) for each of the last three complete years?

2013: \_\_\_\_\_  
 2014: \_\_\_\_\_  
 2015: \_\_\_\_\_

Average of last three years: \_\_\_\_\_ (no rounding)

4. Total Lost Time Incident Rates (LTIR):  
What were Bidder’s Total Lost Time Incident Rates (LTIR) for each of the last three complete years?

2013: \_\_\_\_\_

2014: \_\_\_\_\_

2015: \_\_\_\_\_

Average of last three years: \_\_\_\_\_ (no rounding)

5. State the name of Bidder’s safety engineer/ manager or Site Safety Officer: \_\_\_\_\_

Attach a résumé or outline of this individual’s safety and health qualifications and experience.

**(PREVAILING WAGE PROVISIONS)**

6. In the past five years, has Bidder been fined, penalized or otherwise found to have violated any prevailing wage or labor code provision? If yes, attach description of each occurrence.

Yes \_\_\_\_\_ No \_\_\_\_\_

**(LICENSE PROVISIONS)**

7. In the past five years, has Bidder changed names or license numbers? If so, please state reason for change and list previous name(s) and any previous license number for any of Bidder’s principals.

Yes \_\_\_\_\_ No \_\_\_\_\_ Reason: \_\_\_\_\_

Previous name(s) and license number(s): \_\_\_\_\_

**(DISPUTES)**

8. In the past five years, has Bidder had any claims, litigation (pending or resolved), or disputes resulting in mediation or arbitration, or termination for cause associated with any project?

Yes \_\_\_\_\_ No \_\_\_\_\_

If yes, attach description of each such instance including details of total claim amount, judgment amount, or settlement amount, and the adverse party’s (or parties’) name(s) and phone number(s).

**(BONDING)**

10. Bonding Capacity - Provide documentation from Bidder’s surety identifying the following:

Name of bonding company/surety: \_\_\_\_\_

Name of Surety Agent: \_\_\_\_\_

Surety Agent address: \_\_\_\_\_

Surety Agent phone number: \_\_\_\_\_

Is surety a California-admitted surety? Yes \_\_\_\_\_ No \_\_\_\_\_

Is surety listed in the current edition of the California Department of the Treasury's Listing of approved sureties? Yes \_\_\_\_\_ No \_\_\_\_\_

List surety's A.M. Best Rating: \_\_\_\_\_

What is Bidder's total bonding capacity? \_\_\_\_\_

What percentage rate does Bidder pay for bonds? \_\_\_\_\_

**PART C: FINANCIAL INFORMATION**

1. Has Bidder ever reorganized under the protection of the bankruptcy laws?  
Yes \_\_\_ No \_\_\_ If yes, please state when \_\_\_\_\_
  
2. If Bidder has had the general liability carrier identified in Document 00420 (Bidder Registration Form) for less than five years, please provide additional information below for balance of the past five years.  
Agency Name: \_\_\_\_\_  
Contact Name: \_\_\_\_\_  
Phone Number: \_\_\_\_\_  
Carrier: \_\_\_\_\_ Dates: \_\_\_\_\_ A.M. Best Rating: \_\_\_\_\_  
Carrier: \_\_\_\_\_ Dates: \_\_\_\_\_ A.M. Best Rating: \_\_\_\_\_  
Carrier: \_\_\_\_\_ Dates: \_\_\_\_\_ A.M. Best Rating: \_\_\_\_\_
  
3. Has Bidder ever had insurance terminated by a carrier? Yes \_\_\_ No \_\_\_  
If yes, explain on separate signed sheet marked with correlating cross-reference to this paragraph of the questionnaire.
  
4. Does Bidder have any outstanding or unsatisfied judgments? Yes \_\_\_ No \_\_\_  
If yes, attach for each such judgment an explanation of the steps Bidder has taken to ensure the judgment won't interfere with Bidder's performance of the Work.

□ →

**PART D: EXPERIENCE OF PRIME CONTRACTOR**

The unique nature of this Project requires prior similar experience of the firm and the Key Personnel assigned. Summarize similar project experience below and provide the detailed project information requested:

**Years of Experience.** List years of experience as a continuously operating entity engaged in the performance of similar work (Five years required, minimum): \_\_\_\_\_

**Key Personnel.** List Key Personnel who will be assigned to the Work:

Project Manager: \_\_\_\_\_

Project Superintendent: \_\_\_\_\_

Project Scheduler: \_\_\_\_\_

**Qualifying Projects.** List three construction projects of a similar nature and complexity, completed within the past five years, with a contract dollar amount of at least \$2,000,000 each, and demonstrate all three of the following criteria: 1) line stop on pipe 36" diameter or larger, 2) joint welding on **gasketted** steel pipe 36" diameter or larger, or 3) installation of butterfly valves on steel pipe 36" diameter or larger. Each project must include at least one of these criteria. Names and references must be current and verifiable. If a separate sheet is used, it must contain all of the information shown on the following table:

**LIST OF QUALIFYING PROJECTS - PRIME CONTRACTOR**

	Project 1	Project 2	Project 3
Project Name			
Location			
Client			
Client Contact (name and phone number)			
Architect/Engineer			
Architect/Engineer Contact (name and phone number)			
Construction Manager, Project Manager, or Superintendent (name and phone number)			
Description of Project, Scope of Work Performed			
Total Construction Cost			

	Project 1	Project 2	Project 3
Completion Date			
Diameter in inches and psi of line stop (minimum 36" diameter and 100 psi required)			
Diameter in inches and psi of joint welding on <del>gasketed</del> -steel pipe (minimum 36" diameter and 100 psi required)			
Diameter in inches and psi of butterfly valve on steel pipe installation (minimum 36" diameter and 100 psi required)			

**Recent Projects.**

Provide information about three most recently completed projects. Names and references must be current and verifiable. If a separate sheet is used, it must contain all of the following information:

	Recent Project 1	Recent Project 2	Recent Project 3
Project Name			
Location			
Client			
Client Contact (name and phone number)			
Architect/Engineer			
Architect/Engineer Contact (name and phone number)			
Construction Manager, Project Manager, or Superintendent (name and phone number)			
Description of Project, Scope of Work Performed			
Total Construction Cost			
Completion Date			
Total Change Order Amount			
Original Scheduled Date of Completion			

	Recent Project 1	Recent Project 2	Recent Project 3
Time Extensions Granted (number of Days)			
Actual Date of Completion			
Number of Stop Notices filed by subcontractors or suppliers			

**PART E: EXPERIENCE OF DESIGNATED SUBCONTRACTOR(S)**

The unique nature of this Project requires prior similar project experience of the designated Subcontractor(s), including the Bidder to the extent Bidder performs such Work itself, and the Key Personnel assigned. Summarize similar project experience below and provide the detailed project information requested:

Line Stop **Subcontractor**

**Key Personnel.** List Key Personnel that will be assigned to the Work:

Project Manager: \_\_\_\_\_

Project Superintendent: \_\_\_\_\_

**Qualifying Projects.** List five construction projects of a similar nature and complexity, completed within the past ten years, at least 2 of which were completed within the last 3 years. For a project to be considered similar for these purposes, each project must include line stops on pressurized bar-wrapped AWWA C303 (or similar) cement mortar lined and coated pipe 36" diameter or bigger ~~and working pressures exceeding 100 psi~~. If a separate sheet is used, it shall contain all of the information shown on the following table:

**LIST OF QUALIFYING PROJECTS - LINE STOP SUBCONTRACTOR**

	Project 1	Project 2	Project 3	Project 4	Project 5
Project Name					
Location					
Client					
Client Contact (name and phone number)					
Architect/Engineer					
Architect/Engineer Contact (name and phone number)					
Construction Manager, Project Manager, or Superintendent (name and phone number)					
Description of Project, Scope of Work Performed					
Completion Date					

	Project 1	Project 2	Project 3	Project 4	Project 5
Diameter in inches and psi of completed line stops on AWWA C303 (or similar) cement mortar lined and coated pipe (minimum 36" diameter <del>and 100 psi required</del> )					

**Recent Projects.**

Provide information about three most recently completed projects. Names and references must be current and verifiable. If a separate sheet is used, it must contain all of the following information:

	Recent Project 1	Recent Project 2	Recent Project 3
Project Name			
Location			
Client			
Client Contact (name and phone number)			
Architect/Engineer			
Architect/Engineer Contact (name and phone number)			
Construction Manager, Project Manager, or Superintendent (name and phone number)			
Description of Project, Scope of Work Performed			
Completion Date			
Total Change Order Amount			
Original Scheduled Date of Completion			
Time Extensions Granted (number of Days)			
Actual Date of Completion			
Number of Stop Notices filed by subcontractors or suppliers			

Bidder certifies, under penalty of perjury, that the foregoing information is current and accurate and authorizes the Sonoma County Water Agency, and its agents and representatives to obtain a credit report and/or verify any of the above information.

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Signature

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Title

END OF DOCUMENT

## DOCUMENT 00800

**SUPPLEMENTARY CONDITIONS****1. SUMMARY**

A. This document includes requirements that supplement the paragraphs of Document 00700 (General Conditions).

**2. SUPPLEMENTS**

A. Supplement to paragraph 4.2:

**4.2.A. General.**

1. Contractor shall maintain and shall require all of its subcontractors and other agents to maintain the insurance listed below. Contractor shall not commence Work, nor allow its employees, subcontractors or anyone to commence Work until the required insurance has been submitted and approved by Owner and a Notice to Proceed has been issued. Any requirement for insurance to be maintained after completion of the Work shall survive this Agreement.
2. Owner reserves the right to review any and all of the required insurance policies and/or endorsements, but has no obligation to do so. Failure to demand evidence of full compliance with the insurance requirements set forth in this Contract or failure to identify any insurance deficiency shall not relieve Contractor from, nor be construed or deemed a waiver of, its obligation to maintain the required insurance at all times during the performance of this Contract.

**4.2.B. Contractor - Required Insurance.**

1. At or before the date specified in Document 00510 (Notice of Award), Contractor shall furnish to Owner satisfactory proof that Contractor has obtained the following insurance as specified below:
  - a. Workers Compensation Insurance & Employers Liability Insurance.
    - 1) Workers Compensation insurance with statutory limits as required by the Labor Code of the State of California.
    - 2) Employers Liability with minimum limits of \$1,000,000 per Accident; \$1,000,000 Disease per employee; \$1,000,000 Disease per policy.
    - 3) The policy shall be endorsed to include a written waiver of the insurer's right to subrogate against Owner.
    - 4) Required Evidence of Insurance:
      - (a) Subrogation waiver endorsement, and
      - (b) Certificate of Insurance.
    - 5) If injury occurs to any employee of Contractor, Subcontractor, or sub-subcontractor for which the employee, or the employee's dependents in the event of employee's death, is entitled to compensation from Owner under provisions of the Workers Compensation Insurance and Safety Act (Act), as amended, or for which compensation is claimed from Owner, Owner may retain out of sums due Contractor under Contract Documents, amount sufficient to cover such compensation, as fixed by the Act, as amended, until such compensation is paid, or until it is determined that no compensation is due. If Owner is compelled to pay compensation, Owner may, in its discretion, either deduct and retain

from the Contract Sum the amount so paid, or require Contractor to reimburse Owner.

- b. General Liability Insurance.
- 1) Commercial General Liability Insurance on a standard occurrence form, no less broad than ISO form CG 00 01.
  - 2) Minimum Limits. The required limits may be provided by a combination of General Liability Insurance and Excess or Commercial Umbrella Liability Insurance. If Contractor maintains higher limits than the specified minimum limits, Owner requires and shall be entitled to coverage for the higher limits maintained by Contractor.
    - (a) Projects under \$1,000,000: \$1,000,000 per Occurrence; \$2,000,000 General Aggregate; \$2,000,000 Products/Completed Operations Aggregate. The General Aggregate shall apply separately to each Project.
    - (b) Projects from \$1,000,000 - \$4,999,999: \$2,000,000 per Occurrence; \$4,000,000 General Aggregate; \$4,000,000 Products/Completed Operations Aggregate. The General Aggregate shall apply separately to each Project.
    - (c) Projects from \$5,000,000 - \$9,999,999: \$5,000,000 per Occurrence; \$5,000,000 General Aggregate; \$5,000,000 Products/Completed Operations Aggregate. The General Aggregate shall apply separately to each Project.
    - (d) Projects \$10,000,000 and Over: Minimum Limits: \$10,000,000 per Occurrence; \$10,000,000 General Aggregate; \$10,000,000 Products/Completed Operations Aggregate. The General Aggregate shall apply separately to each Project.
  - 3) Any deductible or self-insured retention shall be shown on the Certificate of Insurance. If the deductible or self-insured retention exceeds \$25,000 it must be approved in advance by Owner. Contractor is responsible for any deductible or self-insured retention and shall fund it upon Owner's written request, regardless of whether Contractor has a claim against the insurance or is named as a party in any action involving Owner.
  - 4) Insurance shall be maintained for the entire period of the Work and for the duration of Contractor's Guaranty Period specified in Document 00630 (Guaranty). Completed operations insurance shall be maintained beyond the Guaranty Period as specified below:
    - (a) Projects under \$1,000,000: One (1) year after end of Guaranty Period.
    - (b) Projects from \$1,000,000 - \$4,999,999: Two (2) years after end of Guaranty Period.
    - (c) Projects from \$5,000,000 - \$9,999,999: Three (3) years after end of Guaranty Period.
    - (d) Projects \$10,000,000 and Over: Five (5) years after end of Guaranty Period.
  - 5) Owner, its Board of Directors, and its employees, representatives, and consultants, ~~County of Sonoma, its officers, employees, consultants, representatives, and agents;~~ shall be endorsed as additional insureds for liability arising out of ongoing and completed operations by or on behalf of the Contractor in the performance of the Contract Documents.

Additional insureds status shall continue for the period(s) specified in Paragraph 4.2.B.1.b.4 above.

- 6) The additional insured endorsement for completed operations shall not be restricted to work performed during the current policy period.
- 7) California Governor's Office of Emergency Services and the U.S. Department of Homeland Security, FEMA Region IX shall be additional insureds for liability arising out of Contractor's ongoing operations (ISO endorsement CG 20 26, Additional Insured - Designated Person or Organization, or equivalent).
- 8) HFW VI, LLC, George F. Hamel, Jr., Pamela O. Hamel and HFW VI, LLC's members, managers, officers, directors, agents, representatives and employees shall be endorsed as additional insureds for liability arising out of Contractor's ongoing operations (ISO endorsement CG 20 26, Additional Insured - Designated Person or Organization, or equivalent).
- 9) County of Sonoma, its officers, employees, consultants, representatives, and agents shall be endorsed as additional insureds for liability arising out of Contractor's ongoing operations (ISO endorsement CG 20 26, Additional Insured - Designated Person or Organization, or equivalent).
- 8)10) The policy definition of "insured contract" shall include assumptions of liability arising out of both ongoing operations and the products-completed operations hazard (broad form contractual liability coverage including the "f" definition of insured contract in ISO form CG 00 01, or equivalent).
- 9)11) The insurance provided to the additional insureds shall be primary to, and non-contributory with, any insurance or self-insurance program maintained by Owner *et al.*
- 10)12) The policy shall not exclude injury or damage caused by, or resulting from, explosion, collapse and/or underground hazards.
- 11)13) The policy shall not contain a Contractors' Warranty or other similar language which eliminates or restricts insurance because of a Subcontractor's failure to carry specific insurance or to supply evidence of such insurance.
- 12)14) The policy shall be endorsed to include a written waiver of the insurer's right to subrogate against all persons or entities that are, or are required to be, additional insureds.
- 13)15) The policy shall cover inter-insured suits between Contractor and the additional insureds and shall include a "separation of insureds" or "severability" clause which treats each insured separately.
- 14)16) Required Evidence of Insurance:
  - (a) Additional insured endorsements or policy language granting additional insured status;
  - (b) Endorsement or policy language indicating that insurance is primary and non-contributory; and
  - (c) Certificate of Insurance.

- c. Automobile Liability Insurance.
- 1) Minimum Limits:
    - (a) Projects under \$1,000,000: \$1,000,000 combined single limit per accident.
    - (b) Projects \$1,000,000 and Over: \$2,000,000 combined single limit per accident.
  - 2) The required limit may be provided by a combination of Automobile Liability Insurance and Commercial Excess or Umbrella Liability Insurance.
  - 3) Insurance shall cover all owned, hired, and non-owned vehicles.
  - 4) The following shall be defined as insureds under the policy or shall be endorsed as additional insureds:
    - (a) Owner, its Board of Directors, and its employees, representatives, consultants, and agents, ~~and~~
    - (b) County of Sonoma, its officers, employees, consultants, representatives, and agents; ~~shall qualify as an insured.~~
    - (c) California Governor's Office of Emergency Services;
    - (d) U.S. Department of Homeland Security, FEMA Region IX; and
    - (e) HFW VI, LLC, George F. Hamel, Jr., Pamela O. Hamel and HFW VI, LLC's members, managers, officers, directors, agents, representatives and employees.
  - 4)5) Insurance shall be maintained for the entire term of this Contract, including any Guaranty Period.
  - 5)6) Required Evidence of Insurance:
    - (a) Endorsement or policy language indicating that Owner, its Board of Directors, and its employees, representatives, consultants, and agents; are insureds; and
    - (b) Certificate of Insurance.
- d. Contractors Pollution Liability Insurance.
- 1) Minimum Limits:
    - (a) Projects under \$5,000,000: \$1,000,000 per pollution Incident; \$1,000,000 Aggregate; and
    - (b) Projects \$5,000,000 and Over: \$2,000,000 per pollution Incident; \$2,000,000 Aggregate.
  - 2) The insurance shall cover:
    - (a) bodily injury, sickness, disease, sustained by any person, including death;
    - (b) property damage, including physical injury to or destruction of tangible property including the resulting loss of use thereof;
    - (c) cleanup costs, and the loss of use of tangible property that has not been physically injured or destroyed including diminution of value and natural resources damages;
    - (d) defense costs, including costs, charges, and expenses incurred in the investigation, adjustment, or defense of claims; and
    - (e) liability assumed by Contractor under a written contract or agreement.
  - 3) Any deductible or self-insured retention shall be shown on the Certificate of Insurance. If the deductible or self-insured retention exceeds \$25,000 it

must be approved in advance by Owner. Contractor is responsible for any deductible or self-insured retention and shall fund it upon Owner's written request, regardless of whether Contractor has a claim against the insurance or is named as a party in any action involving Owner.

- 4) If the insurance is on a Claims-Made basis, the retroactive date shall be no later than the commencement of Work.
- 5) Insurance shall be maintained for the entire period of the Work and for the duration of Contractor's Guaranty Period specified in Document 00630 (Guaranty), plus the additional periods as specified below:
  - (a) Projects under \$1,000,000: One (1) year after end of Guaranty Period.
  - (b) Projects from \$1,000,000 - \$4,999,999: Two (2) years after end of Guaranty Period.
  - (c) Projects from \$5,000,000 - \$9,999,999: Three (3) years after end of Guaranty Period.
  - (d) Projects \$10,000,000 and Over: Five (5) years after end of Guaranty Period.
- 6) If the insurance is on a Claims-Made basis, the continuation coverage may be provided by: (a) renewal of the existing policy; (b) an extended reporting period endorsement; or (c) replacement insurance with a retroactive date no later than the commencement of the Work.
- 7) Owner, its Board of Directors, and its employees, representatives, consultants, and agents; ~~and County of Sonoma, its officers, employees, consultants, representatives, and agents~~ shall be endorsed as additional insureds for liability arising out of ongoing and completed operations by or on behalf of the Contractor in the performance of the Contract Documents.
- 8) The following entities shall be added as additional insureds for ongoing and completed operations on endorsements which do not limit additional insured status to those for whom work is performed:
  - (a) County of Sonoma, its officers, employees, consultants, representatives, and agents;
  - (b) California Governor's Office of Emergency Services;
  - (c) U.S. Department of Homeland Security, FEMA Region IX; and
  - (d) HFW VI, LLC, George F. Hamel, Jr., Pamela O. Hamel and HFW VI, LLC's members, managers, officers, directors, agents, representatives and employees.
- 8)9) \_\_\_\_\_ The insurance provided to the additional insureds shall apply on a primary and non-contributory basis with respect to any insurance or self-insurance program maintained by ~~Owner et al~~them.
- 9)10) \_\_\_\_\_ The policy shall cover inter-insured suits between the Contractor and the additional insureds and include a "separation of insureds" or "severability" clause which treats each insured separately.
- 10)11) \_\_\_\_\_ Required Evidence of Insurance:
  - (a) Additional insured endorsement or policy language granting additional insured status;
  - (b) Endorsement or policy language indicating that coverage is primary and non-contributory; and
  - (c) Certificate of Insurance.

- e. Professional Liability/Errors & Omissions Insurance.
  - 1) Required if the Contractor or its employees engage in design or professional activities (architecture, engineering or surveying) that are not subcontracted out.
  - 2) Minimum Limit: \$1,000,000 per claim or per occurrence.
  - 3) Any deductible or self-insured retention shall be shown on the Certificate of Insurance. If the deductible or self-insured retention exceeds \$25,000 it must be approved in advance by Owner.
  - 4) If the insurance is on a Claims-Made basis, the retroactive date shall be no later than the commencement of the Work.
  - 5) Insurance applicable to the Work performed under the Contract shall be continued for two (2) years after completion of the Work. Such continuation insurance may be provided by one of the following:
    - (a) renewal of the existing policy;
    - (b) an extended reporting period endorsement;
    - or (c) replacement insurance with a retroactive date no later than the commencement of the Work.
  - 6) Required Evidence of Insurance:
    - (a) Certificate of Insurance.
- f. Builders Risk
  - 1) Minimum Limit: 100% of the completed value of the Project.
  - 2) Insured property shall include (1) Real property in Course of Construction; (2) building materials and supplies intended to be in or on the completed Project located at any portion of the jobsite, in storage, or in transit, (3) fixtures and machinery intended to be in or on the completed Project; (4) scaffolding, cribbing, fencing, forms and temporary trailers, while located at any portion of the jobsite, in storage or in transit.
  - 3) Contractor, subcontractors of all tiers and the Sonoma County Water Agency shall be endorsed as insured parties.
  - 4) Insured perils: All Risks of Direct Physical Damage or Loss except as excluded. The insured perils shall be no less broad than those covered by ISO Causes of Loss – Special Form CP 10 30.
  - 5) Required Evidence of Insurance:
    - (a) Endorsement evidencing insured status as required by Sec. f.3) above; and
    - (b) Certificate of Property Insurance (Acord Form 24).
- 2. Increase of Minimum Limits.
  - a. Required minimum amounts of insurance may be increased should conditions of Work, in opinion of Owner, warrant such increase. Contractor shall increase required insurance amounts upon direction by Owner.
- 3. Standards for Insurance Companies.
  - a. Insurers, other than the California State Compensation Insurance Fund, shall have an A.M. Best's rating of at least A:VII.
- 4. Documentation.
  - a. The Certificate of Insurance shall include the following reference: 60-64-7 #2.
  - b. Contractor agrees to maintain current Evidence of Insurance on file with Owner for the periods of insurance specified above in Paragraphs 4.2.B.1.a through 4.2.B.1.e. Any requirement to maintain insurance after Final

Completion of the Work, including providing Certificates evidencing required insurance, shall survive the Contract.

- 1) Required Evidence of Insurance shall be submitted to Sonoma County Water Agency, 404 Aviation Boulevard, Santa Rosa, CA 95403-9019.
  - 2) Required Evidence of Insurance shall be submitted for any renewal or replacement of a policy that already exists, at least ten (10) days before expiration or other termination of the existing policy.
  - 3) Contractor shall provide immediate written notice if: (a) any of the required insurance policies are terminated; (b) the limits of any of the required policies are reduced; or (c) the deductible or self-insured retention is increased.
  - 4) Upon written request, certified copies of required insurance policies must be provided within thirty (30) days.
5. Policy Obligations
- a. Contractor's indemnity and other obligations shall not be limited by the foregoing insurance requirements.
6. Material Breach.
- a. If Contractor fails to maintain Insurance which is required pursuant to the Contract Documents, it shall be deemed a material breach. Owner, at its sole option, may terminate the Contract for default and obtain damages from Contractor resulting from said breach. Alternatively, Owner may purchase the required Insurance, and without further notice to Contractor, Owner may deduct from sums due to Contractor any premium costs advanced by Owner for such insurance. These remedies shall be in addition to any other remedies available to Owner under the Contract Documents or Law.

4.2.C. Subcontractors - Required Insurance.

1. With respect to their portion of the Work, Subcontractors of all tiers shall maintain the same insurance required to be maintained by Contractor with limits as follows:
  - a. Minimum General Liability Limits for Framing, Mechanical, and Electrical Subcontractors.
    - 1) Projects under \$1,000,000: \$1,000,000 per Occurrence; \$2,000,000 General Aggregate; \$2,000,000 Products/Completed Operations Aggregate. The General Aggregate shall apply separately to each Project.
    - 2) Projects \$1,000,000 and Over: \$2,000,000 per Occurrence; \$4,000,000 General Aggregate; \$4,000,000 Products/Completed Operations Aggregate. The General Aggregate shall apply separately to each Project.
  - b. Minimum General Liability Limits for all Subcontractors other than Framing, Mechanical, and Electrical Subcontractors.
    - 1) \$1,000,000 per Occurrence; \$2,000,000 General Aggregate; \$2,000,000 Products/Completed Operations Aggregate. The General Aggregate shall apply separately to each Project.
  - c. Minimum Automobile Liability Limits.
    - 1) \$1,000,000 combined single limit per accident.
  - d. Minimum Employers Liability Limits.
    - 1) \$1,000,000 per Accident; \$1,000,000 Disease per employee; \$1,000,000 Disease per policy.

- e. Professional Liability/Errors & Omissions Insurance.
  - 1) Required for any architect, engineer, surveyor or other licensed professional engaged by Contractor to perform portions of the Work.
  - 2) Minimum Limit: \$1,000,000 per claim or per occurrence.
  - 3) Any deductible or self-insured retention shall be shown on the Certificate of Insurance. If the deductible or self-insured retention exceeds \$25,000 it must be approved in advance by Owner.
  - 4) If the insurance is on a Claims-Made basis, the retroactive date shall be no later than the commencement of the Work.
  - 5) Coverage applicable to the Work performed under the Contract shall be continued for two (2) years after completion of the Work. Such continuation coverage may be provided by one of the following:
    - (a) renewal of the existing policy;
    - (b) an extended reporting period endorsement;
    - (c) replacement insurance with a retroactive date no later than the commencement of the Work.
  - 6) Required Evidence of Insurance:
    - (a) Certificate of Insurance.

B. Supplement to paragraph 13.3.B:

To the furthest extent permitted by law (including without limitation California Civil Code Section 2782), Contractor shall assume defense of, and indemnify and hold harmless, Owner and each of its officers, employees, consultants, and agents, including but not limited to, the Board, Engineer, and each Owner's Representative, and HFW VI, LLC, George F. Hamel, Jr., Pamela O. Hamel and HFW VI, LLC's members, managers, officers, directors, agents, representatives and employees from claims, suits, actions, losses and liability of every kind, nature and description, including but not limited to claims and fines of regulatory agencies and attorneys' fees and consultants' fees, directly or indirectly arising out of, connected with or resulting from performance of the Work, failure to perform the Work, or condition of the Work which is caused in whole or part by any act or omission of Contractor, Subcontractors, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, regardless of whether it is caused in part by the negligence of Owner or by any person or entity required to be indemnified hereunder

C. Supplement to paragraph 15.3.A, modify rain parameters as follows:

Rain Days: January, [9]; February, [8]; March, [7]; April, [4]; May, [2]; June, [1]; July, [0]; August, [0]; September, [1]; October, [3]; November, [6]; and December, [8].

END OF DOCUMENT

## SECTION 02255

**SHORING****PART1 GENERAL****1.1 SUBMITTALS**

- A. Shop Drawings to be provided for each site:
1. Shoring and Bracing System(s):
    - a. Show all details and arrangements.
    - b. Describe method of installation and removal of shoring, including the sequencing of specific components as related to excavation, construction and backfilling operations.
    - c. Indicate depth of excavation at which support system will be installed.
    - d. Include supporting calculations for all proposed shoring and bracing systems.
      - 1) Indicate design loads and calculated deflections of shoring, bracing, and support members, including the full excavation depth load to be carried by various members of the support system.
- B. Quality Assurance/Control Submittals:
1. Shoring and bracing shop drawings and calculations shall be signed and stamped by a licensed California civil or structural engineer.

**1.2 REFERENCES**

- A. California Code of Regulations                      Construction Safety Orders, Section 1541.1  
Title 8, Division 1, Chapter 4,  
subchapter 4

**1.3 DEFINITIONS**

- A. For the purposes of this section, shoring or shoring system shall mean shoring, sheeting, shielding, sloping, bracing, or equivalent provisions and protective systems for worker protection from the hazard of caving ground and line pressures in open trenches and other excavations.

**1.4 SYSTEM DESCRIPTION**

- A. Design Requirements:
1. Comply with California Code of Regulations Title 8, Division 1, Chapter 4, subchapter 4 (Construction Safety Orders), Section 1541.1
  2. Support earth and rock pressure, unrelieved hydrostatic pressures, utility loads, equipment, applicable traffic and construction loads, and other surcharge loads.
  3. Support the maximum loads that can occur during construction.
  - 3.4. Brace pipeline against movement due to line pressures.
- B. Performance Requirements:
1. Provide a stable excavation without lateral or vertical movement or settlement of the ground.
  2. Prevent damage to or movement of adjacent structures, utilities, and other improvements.
  3. Provide dry conditions to facilitate expeditious construction within excavations.

4. Maintain stability of sides and bottom of excavation.

4.5. Prevent pipeline from movement at the time that the pipeline is cut and a section is removed for the installation of the butterfly valve.

## 1.5 PROJECT CONDITIONS

### A. Project Requirements

1. If existing utilities interfere with proposed method of support, modify the support system at no additional cost to Owner.
2. Steep slopes/embankments exist adjacent to the Project Site. Construction activity could result in falling rock or soil debris entering the Work zone.

## PART 2 PRODUCTS

### 2.1 MATERIALS

- A. All materials used for the supporting system, whether new or used, shall be sound and free from defects that may impair their strength.

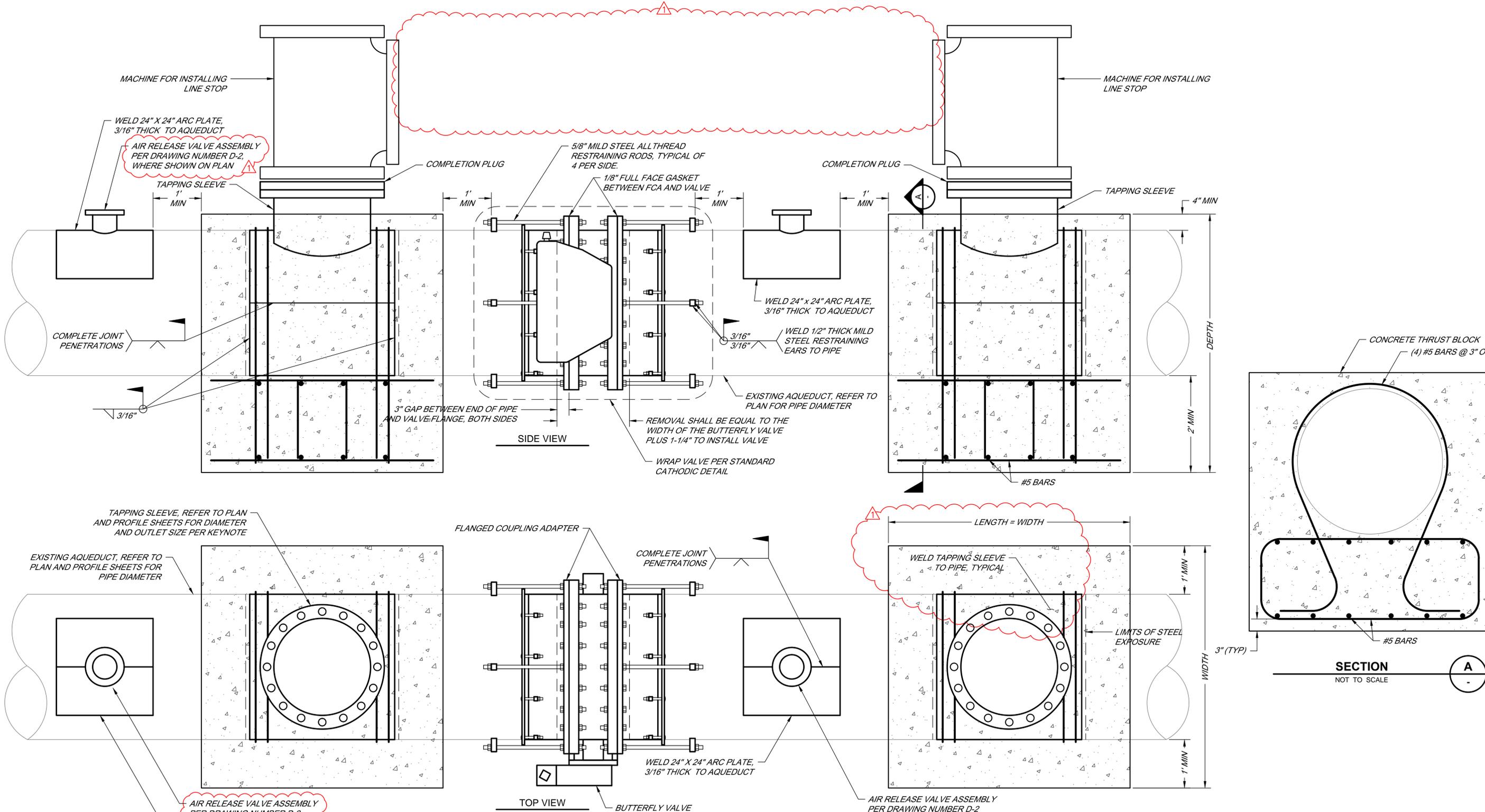
## PART 3 EXECUTION

### 3.1 GENERAL

- A. Install, maintain, and remove shoring and bracing systems in a manner to:
1. Prevent collapse of the excavation.
  2. Prevent damage to existing utilities, structures, and other improvements.
  3. Comply with the submitted shop drawings and all other applicable requirements.
- B. Proceed with caution in areas where utilities are within the shoring and excavation prism. Expose utilities by hand excavation.
- C. Maintain bracing support members in tight contact with each other and with the surface being supported.
- D. Remove sheet piling and other shoring in such a manner as to prevent caving at the walls of excavations or damage to piping, structures or other improvements.
- E. Immediately fill all voids created by the removal of the supporting system with well-graded cohesionless sand, lean concrete or sand cement grout.
- F. Remove shoring as backfilling progresses, but only when banks are stable and safe from caving or collapse.
- G. Unless otherwise approved by Owner, do not leave sheeting in a trench and do not backfill against the sheeting before it is removed. If sheeting extends below the invert of the pipe and is approved by Owner to be left in place, remove the upper portion by trimming in a manner satisfactory to Owner.

G.H. Install pipeline bracing prior to pipeline shutdowns.

END OF SECTION



**TAPPING SLEEVE AND BUTTERFLY VALVE ASSEMBLY 1**  
NOT TO SCALE **VAR**

- NOTES:**
- ALL METAL COMPONENTS WITHIN THE LIMITS OF THE TWO FCA'S SHALL BE COATED. APPLY GROUT ONLY ON EXPOSED AREAS UPSTREAM OF THE UPSTREAM FCA AND DOWNSTREAM OF THE DOWNSTREAM FCA.
  - DIELECTRIC SHALL BE PROVIDED BETWEEN DISSIMILAR METALS.



NO.	DATE	REVISION	BY
	3/16/16	ADDENDUM #3	SK

SCALE: AS SHOWN DATE: 3/16/16  
 DRAWN: BJA  
 REVIEWED: *Kent Coyne*

ISOLATION VALVES SEISMIC HAZARD MITIGATION  
 DETAIL DRAWINGS  
 DETAILS

FILE NAME: 7379\_Details.dwg  
 CONTRACT NUMBER: 60-64-7 #2

DRAWING NUMBER: D-1 SHEET 23 OF 32

\\SD-DATA\Proj\water\_transmission\pipelines\7379\_Proposed\_Isolation\_Valves\DWG\7379\_Details

BAR LENGTH ON ORIGINAL DRAWING EQUALS ONE INCH. ADJUST SCALE ACCORDINGLY  
 Plot Mar 16, 2016 at 8:21am