

SECRET

1

Monterey Peninsula Water Supply Project
Request for Proposals for the Construction of Fitch Park ASR Wells 5 and 6
Proposal from Zim Industries, Inc.
Proposal Format

Section 1.0 Executive Summary

- A. Proposal Form 1: Transmittal Letter
- B. Executive Summary
- C. Proposal Form 2: Non-Collusion Affidavit
- D. Proposal Form 3: Disclaimer Statement

RECEIVED NOV 30 2018

Section 2.0 Project Team Information

- A. General Project Team Information
- B. Proposal Form 4: Key Personnel
- C. WMDVBE Utilization Plan
- D. Local Resources Utilization Plan

Section 3.0 Technical Proposal

- A. Proposal Form 5: Preliminary Project Schedule, Scheduled Construction Date, and Scheduled Acceptance Date
- B. Plan for Acceptance Testing

Section 4.0 Business and Price Proposal

- A. Summary of Business and Price Proposal
- B. Bid Packages
- C. Proposal Form 6: Acceptance of Contract
- D. Proposal Form 7; Price Escalator Indices
- E. Proposal Form 8: Diverse Business Enterprise Requirement Statement

Section 5.0 Supplemental Information

- A. Bid bond Guarantee
- B. General Contractor Information for Zim Industries, Inc.
- C. Bonding Capacity of Zim Industries, Inc.
- D. Bank Line of Credit available to Zim Industries, Inc.
- E. Credit References for Zim Industries, Inc.
- F. Example Certificate of Insurance
- G. Audited Financial Statements of Zim Industries, Inc.
- H. Equipment Listing of Zim Industries, Inc.
- I. Safety Program of Zim Industries, Inc.
- J. Workers Compensation Experience Rating of Zim Industries, Inc.
- K. Sound Wall Properties of Zim Industries, Inc.
- L. Construction Quality Management Plan of Zim Industries, Inc.



ZIM INDUSTRIES, INC.

4532 E. Jefferson Ave. • Fresno, CA 93725
Ph. (559) 834-1551 • FAX (559) 834-5156
www.zimindustries.com

Monterey Peninsula Water Supply Project
Request for Proposals for the Construction of Fitch Park ASR Wells 5 and 6

PROPOSAL FORM 1 TRANSMITTAL LETTER November 13, 2018

CALIFORNIA AMERICAN WATER
511 FOREST LODGE ROAD, SUITE 100
PACIFIC GROVE, CA 93950
Attn: Jay Drewry, Senior Buyer
jay.drewry@amwater.com

Re: Monterey Peninsula Water Supply Project - Fitch Park ASR Wells 5 and 6

Dear Sir/Madam:

Zim Industries, Inc. (the "Proposer") hereby submits its Proposal in response to the Request for Proposals for the Monterey Peninsula Water Supply Project Fitch Park ASR Wells 5 and 6 (the "RFP") issued by California-American Water Company ("CAW") on September 29, 2018, as amended.

As a duly authorized representative of the Proposer, I hereby certify, represent, and warrant, on behalf of the Proposer team, as follows in connection with the Proposal:

1. The Proposer acknowledges receipt of the RFP and the following addenda:

No.	Date
1	10-09-2018
2	10-21-2018
3	11-08-2018
4	11-14-2018

5.2.3.1.1. The submittal of the Proposal has been duly authorized by, and in all respects is binding upon, the Proposer. Attachment 1 to this Transmittal Letter is a Certificate of Authorization which evidences my authority to submit the Proposal and bind the Proposer.

5.2.3.1.2. All information and statements contained in the Proposal are current, correct and complete, and are made with full knowledge that CAW will rely on such information and statements in selecting the most advantageous Proposal to CAW and executing the Contract.

5.2.3.1.3. Attachment 2 to this Transmittal Letter sets forth the Proposer's Project team and identifies each team member's proposed role with respect to the Project. Attachment 3 to this Transmittal Letter provides licensing information for each Project team member.

13

Executive Summary of Zim Industries, Inc.'s approach to executing and completing this Project.

Zim Industries, Inc. (ZIM) fully understands the requirements of the contract specifications to construct the Fitch Park ASR-5 and ASR-6 Wells in the Monterey Peninsula Water Supply Project for California-American Water Company (CAWC). These aquifer storage and recovery wells require a knowledgeable and experienced water well drilling contractor that is both capable and qualified to ensure that these ASR wells are drilled, constructed, developed and tested properly. ZIM's approach to completing this contract work is summarized in item A. of Section 3 of this proposal.

ZIM is uniquely qualified to drill, construct, develop and test these two ASR wells. ZIM has 39 years of construction experience and over 25 years of specialized drilling, construction, development and testing of production and injection water wells throughout the western United States. A brief summary of ZIM's qualifications and capabilities is located in item A of Section 2 of this proposal. More importantly, ZIM has constructed several ASR water wells in the Monterey geographic region during the past few years. ZIM employs the most qualified, capable, knowledgeable and experienced managers and drilling staff in the water well industry. ZIM's previous project experience is summarized in item A. of Section 3 of this proposal. Additionally, ZIM owns and maintains 13 reverse rotary water well drilling rigs and related support equipment capable of drilling and constructing these two 22-inch diameter ASR water wells to 1100 feet. A summary of the Preliminary Proposed Staging Plan of ZIM's drilling rig and equipment is displayed in item B of Section 1 of this proposal. A summary of the owned equipment available to utilize on this project is located in item H. of Section 5 of this proposal. Our Project Team consists of several highly qualified, knowledgeable and capable individuals with a combined 325 years of drilling and construction experience. The qualifications and experience of each member of our Project Team is summarized in items A. and B. of Section 2 of this proposal. Zim has several drilling rigs and experienced drilling crews all capable of performing the required work specified in this project. Our current backlog, current rig and crew capacities and the expected start date of this project of August 1, 2019 all support our assurance that ZIM has the necessary drilling equipment, personnel and management available to perform this project within the specified time requirements.

ZIM will perform the required contract work in a safe manner. Our Injury and Illness Prevention Program, General Code of Safe Work Practices, Extended SOP for this specific Project Jobsite, Hazard Safety Analysis of each jobsite, Training and ongoing supervision from our management team all ensure that work place incidents and employees injuries are prevented from occurring. ZIM's safety program and current Workers Compensation Experience Ratings are summarized in items I. and J. of Section 5 of this proposal.

ZIM will work with California American Water to ensure positive public relations with its customers and neighbors to the well location are maintained throughout the project to keep these customers and neighbors informed of the construction schedule. Sound panels will be installed to minimize construction noise. Traffic control plan will be created and followed to ensure that any required discharge piping road crossings are properly controlled with crossings and required traffic signs. Dust control procedures will be maintained throughout the construction of the well. The sound wall panel frame structural calculations are summarized in item K. of Section 5 of this proposal. ZIM strives to perform contracted work in accordance with the contract specifications and provide only the highest quality products and services to our customers. See ZIM's quality policy summarized in item L. of Section 5 of this proposal. ZIM's proposed mud system is summarized in item A of Section 3 of this proposal.

Monterey Peninsula Water Supply Project
Request for Proposals for the Construction of Fitch Park ASR Wells 5 and 6

Legal Representative:

NAME: Curt B. Zimmerer
TITLE: President & CEO
ADDRESS: 4532 E. Jefferson Avenue
Fresno, CA 93725
PHONE: (559) 834-1551
FAX: (559) 834-5156
EMAIL: curt@zimindustries.com

- 5.2.3.1.11. The Proposer has carefully examined all documents constituting the RFP and the addenda thereto.
- 5.2.3.1.12. The Contract in the form issued with this RFP is agreed to, except where changes have been requested in Proposal Form 11 and such changes have been indicated as conditions of the Proposal.
- 5.2.3.1.13. If selected, the Proposer agrees to negotiate in good faith to enter into a Contract that reflects the substantive terms and conditions of the RFP and the Proposal.
- 5.2.3.1.14. The Proposer has submitted all Proposal Forms and applicable bid packages and such Proposal Forms and applicable bid packages are a part of this Proposal.

Having carefully examined the RFP and all other documents bound therewith, together with all addenda thereto, all information made available by CAW, and being familiar with the Project (as described in the RFP and the Contract) and the various conditions affecting the work, the Proposer hereby offers to furnish all labor, materials, supplies, equipment, facilities and services which are necessary, proper or incidental to carry out such work as required by and in strict accordance with the RFP and the Proposal, all for the prices set forth in the submitted bid packages.

Zim Industries, Inc.
Name of Proposer

Curt B. Zimmerer
Name of Designated Signatory


Signature

President
Title

CORPORATE RESOLUTION TO EXECUTE CONTRACTS

At a meeting of the corporation today, after considerable discussion, the following resolution was moved, seconded and unanimously adopted;

Resolved that any of the following persons, William P. Zimmerer, Robert J. Zimmerer, Curt B. Zimmerer, John C. Zimmerer, Kevin A. Newlen, Brian P. Zimmerer, or Boyd C. Zimmerer be, and they hereby are, authorized without further authorization of the board of directors to enter into and execute on behalf of the corporation any and all contracts to do corporate business for ZIM INDUSTRIES, INC. d.b.a. Bakersfield Well and Pump Company.

In witness whereof, I have hereunto set my hand as such Secretary, and affixed the corporate seal of said corporation this 31st day of October 2018.


Robert J. Zimmerer - Secretary

AUTHORIZED SIGNATURES


William P. Zimmerer


Robert J. Zimmerer


John C. Zimmerer


Curt B. Zimmerer


Kevin A. Newlen


Boyd C. Zimmerer


Brian P. Zimmerer

Monterey Peninsula Water Supply Project
Request for Proposals for the Construction of Fitch Park ASR Wells 5 and 6

Note: If this Proposal is being submitted by a corporation, the Proposal shall be executed in the corporate name by the president or other corporate officer with authority to bind the corporation, and the corporate seal shall be affixed and attested to by the clerk. A certificate of the secretary of the corporation evidencing the officer's authority to execute the Proposal shall be attached.

If this Proposal is being submitted by a joint venture or general partnership, it shall be executed by all partners, and any partner that is a corporation shall follow the requirements for execution by a corporation, as set forth above.

If this Proposal is being submitted by a limited partnership or a limited liability company, it shall be executed by the managing partner(s) or managing member thereof, and such shall also submit proof of authority to so execute the Proposal, in a form satisfactory to CAW. Any partner or member that is a corporation shall follow the requirements for execution by a corporation, as set forth above.

(Use State-Appropriate form for Notary Public)

State of California

County of Fresno

On this 13th day of November, 2018, before me appeared Curt B. Zimmerer, who is President of Zim Industries, Inc. a Corporation, personally known to me to be the person described in and who executed this Transmittal Letter and acknowledged that she/he signed the same freely and voluntarily for the uses and purposes therein described.

In witness thereof, I have hereunto set my hand and affixed my official seal the day and year last written above.

Notary Public in and for the State of _____
(Seal)

(Name Printed)

Residing at _____

Commission Number _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of Fresno)

On November 13, 2018 before me, Judy M. Muston - Notary Public
Date Here Insert Name and Title of the Officer

personally appeared Curt B. Zimmerer
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature Judy M. Muston
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: Proposal - Cal Am Water - Fitch Park ASR Wells 5 & 6 Document Date: 11-13-2018
Number of Pages: 4 Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____
 Corporate Officer -- Title(s): _____
 Partner -- Limited General
 Individual Attorney in Fact
 Trustee Guardian or Conservator
 Other: _____
Signer Is Representing: _____

Signer's Name: _____
 Corporate Officer -- Title(s): _____
 Partner -- Limited General
 Individual Attorney in Fact
 Trustee Guardian or Conservator
 Other: _____
Signer Is Representing: _____

Monterey Peninsula Water Supply Project
Request for Proposals for the Construction of Fitch Park ASR Wells 5 and 6

Attachment 1

CERTIFICATE OF AUTHORIZATION*

I, Robert J. Zimmerer, a resident of Clovis in the State of California, DO HEREBY CERTIFY that I am the Clerk/Secretary of Zim Industries, Inc., a corporation duly organized and existing under and by virtue of the laws of California; that I have custody of the records of such [corporation] **Zim Industries, Inc.**; and that as of the date of this certification, **Curt B. Zimmerer** holds the title of **President** of the [corporation] **Zim Industries, Inc.**, and is authorized to execute and deliver in the name and on behalf of the [corporation] **Zim Industries, Inc.** the Proposal submitted by the [corporation] **Zim Industries, Inc.** in response to the Request for Proposals for Monterey Peninsula Water Supply Project Fitch Park ASR Wells 5 and 6, issued by California-American Water Company on September 29, 2018, as amended; and all documents, letters, certificates and other instruments which have been executed by such officer on behalf of the [corporation] **Zim Industries, Inc.** in connection therewith.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the [corporate] **Zim Industries, Inc.** seal of the [corporation] **Zim Industries, Inc.** this 13th day of November 2018.

(Affix Seal Here)


Clerk/Secretary


** Note: Separate certifications shall be submitted if more than one corporate officer has executed documents as part of the Proposal. Proposers shall make appropriate conforming modifications to this Certificate in the event that the signatory's address is outside of the United States.*

CORPORATE RESOLUTION TO EXECUTE CONTRACTS

At a meeting of the corporation today, after considerable discussion, the following resolution was moved, seconded and unanimously adopted;

Resolved that any of the following persons, William P. Zimmerer, Robert J. Zimmerer, Curt B. Zimmerer, John C. Zimmerer, Kevin A. Newlen, Brian P. Zimmerer, or Boyd C. Zimmerer be, and they hereby are, authorized without further authorization of the board of directors to enter into and execute on behalf of the corporation any and all contracts to do corporate business for ZIM INDUSTRIES, INC. d.b.a. Bakersfield Well and Pump Company.

In witness whereof, I have hereunto set my hand as such Secretary, and affixed the corporate seal of said corporation this 31st day of October 2018.


Robert J. Zimmerer - Secretary

AUTHORIZED SIGNATURES



William P. Zimmerer



Robert J. Zimmerer



John C. Zimmerer



Curt B. Zimmerer



Kevin A. Newlen



Boyd C. Zimmerer



Brian P. Zimmerer

C

Monterey Peninsula Water Supply Project
Request for Proposals for the Construction of Fitch Park ASR Wells 5 and 6

PROPOSAL FORM 2

NON-COLLUSION AFFIDAVIT

STATE OF California)
)
COUNTY OF Fresno) SS.:

I, Curt B. Zimmerer, a resident of Fresno, in the State of California of full age, being duly sworn according to law, on my oath depose and say that:

5.2.3.1.14.1.1.1. I am the President of Zim Industries, Inc. formed in the state of California, the Proposer making the Proposal in response to the Request for Proposals for the Monterey Peninsula Water Supply Project Fitch Park ASR Wells 5 and 6 issued by California-American Water Company on September 29th, 2018, as amended, and that I executed said Proposal with full authority to do so;

5.2.3.1.14.1.1.2. The prices in this Proposal have been arrived at independently without collusion, fraud, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other Proposer or with any competitor;

5.2.3.1.14.1.1.3. Unless otherwise required by law, the prices which have been quoted in this Proposal have not been knowingly disclosed by the Proposer and will not knowingly be disclosed by the Proposer prior to opening, directly or indirectly, to any other Proposer or to any competitor; and

5.2.3.1.14.1.1.4. No attempt has been made or will be made by the Proposer to induce any other person or entity to submit or not to submit a Proposal for the purpose of restricting competition.

I, hereby affirm under the penalties of perjury that the foregoing statements are true.

Zim Industries, Inc.
Name of Proposer

Curt B. Zimmerer
Name of Designated Signatory

Curt B. Zimmerer
Signature

President
Title

CORPORATE RESOLUTION TO EXECUTE CONTRACTS

At a meeting of the corporation today, after considerable discussion, the following resolution was moved, seconded and unanimously adopted;

Resolved that any of the following persons, William P. Zimmerer, Robert J. Zimmerer, Curt B. Zimmerer, John C. Zimmerer, Kevin A. Newlen, Brian P. Zimmerer, or Boyd C. Zimmerer be, and they hereby are, authorized without further authorization of the board of directors to enter into and execute on behalf of the corporation any and all contracts to do corporate business for ZIM INDUSTRIES, INC. d.b.a. Bakersfield Well and Pump Company.


In witness whereof, I have hereunto set my hand as such Secretary, and affixed the corporate seal of said corporation this 31st day of October 2018.


Robert J. Zimmerer - Secretary

AUTHORIZED SIGNATURES


William P. Zimmerer

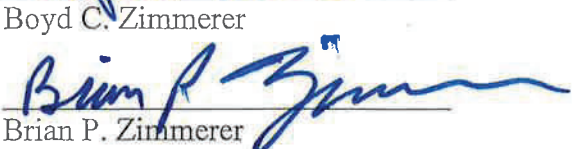

Robert J. Zimmerer


John C. Zimmerer


Curt B. Zimmerer


Kevin A. Newlen


Boyd C. Zimmerer


Brian P. Zimmerer

Monterey Peninsula Water Supply Project
Request for Proposals for the Construction of Fitch Park ASR Wells 5 and 6

(Use State-Appropriate Form for Notary Public)

State of California

County of Fresno

On this 13th day of November, 2018, before me appeared Carl B. Zimmerer, who is President of Zim Industries, Inc. a Corporation, personally known to me to be the person described in and who executed this Transmittal Letter and acknowledged that she/he signed the same freely and voluntarily for the uses and purposes therein described.

In witness thereof, I have hereunto set my hand and affixed my official seal the day and year last written above.

Notary Public in and for the State of _____

(Seal)

(Name Printed)

Residing at _____

Commission Number _____



See attached California All Purpose Acknowledgment

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of Fresno)

On November 13, 2018 before me, Judy M. Muston - Notary Public,
Date Here Insert Name and Title of the Officer

personally appeared Curt B. Zimmerman
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature Judy M. Muston
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: Non-Collusion Affidavit - Cal Am Water Kitch Park ASR Well 5 & 6 Document Date: 11/13/2018

Number of Pages: 2 Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____
 Corporate Officer — Title(s): _____
 Partner — Limited General
 Individual Attorney in Fact
 Trustee Guardian or Conservator
 Other: _____
Signer Is Representing: _____

Signer's Name: _____
 Corporate Officer — Title(s): _____
 Partner — Limited General
 Individual Attorney in Fact
 Trustee Guardian or Conservator
 Other: _____
Signer Is Representing: _____



Monterey Peninsula Water Supply Project
Request for Proposals for the Construction of Fitch Park ASR Wells 5 and 6

PROPOSAL FORM 3

DISCLAIMER STATEMENT

The information contained in or otherwise provided in connection with the Request for Proposals for the Monterey Peninsula Water Supply Project Fitch Park ASR Wells 5 and 6 (the "RFP") issued by California-American Water Company ("CAWC") on September 29, 2018, as amended, has been prepared by CAWC and, while such information is believed to be accurate and reliable, except as otherwise expressly set forth in the RFP, CAWC makes no representation as to such accuracy or reliability. In no way shall any such information constitute a representation or warranty by CAWC or any of its officials, employees, agents, consultants, attorneys, representatives, contractors, or subcontractors (the "CAWC Representatives"). The Proposer hereby releases and forever discharges CAWC and the CAWC Representatives from any and all claims which such Proposer has, had or may hereafter have arising out of any information contained in or otherwise provided in connection with the RFP. Any party who intends to submit a response to this RFP is specifically invited to independently verify the accuracy of the information contained herein.

Zim Industries, Inc.
Name of Proposer

Curt B. Zimmerman
Name of Designated Signatory

Curt B. Zimmerman
Signature

President
Title

SECRET

SECRET

A

Zim Industries, Inc.

Fresno, CA 93725

Key Personnel assigned to our Project Team on this Project

President

Curt B. Zimmerer

Phone (559)834-1551

FAX (559)834-5156

e-mail curt@zimindustries.com

General Manager

Robert J. Zimmerer

Phone (559)834-1551

FAX (559)834-5156

e-mail bob@zimindustries.com

Operations Manager

William P. Zimmerer

Phone (559)834-1551

FAX (559)834-5156

e-mail bill@zimindustries.com

Project Consultant

Roy F. Senior, Jr.

Phone (559)834-1551

FAX (559)834-5156

e-mail roy@zimindustries.com

Project Manager

Brian P. Zimmerer

Phone (559)834-1551

FAX (559)834-5156

e-mail brian@zimindustries.com

Project Superintendent

Victor Chavez

Phone (559)834-1551

FAX (559)834-5156

e-mail victor@zimindustries.com

Project Superintendent

Ruben Juarez

Phone (559)834-1551

FAX (559)834-5156

e-mail ruben@zimindustries.com

Project Foreman

Victor Lira

Phone (559)834-1551

FAX (559)834-5156

Project Foreman

Jose Manuel Lopez

Phone (559)834-1551

FAX (559)834-5156

Zim Industries, Inc. commits to keep these key personnel assigned to this project for the duration of the intended role in the project for each individual on our Project Team.

Attachment 2

PROJECT TEAM MEMBER LIST

Proposals shall identify the names and roles of the Proposer and any Significant Subcontractors and all other Project team members identified to date:

NAME:

ROLE:

Curt B. Zimmerer

President & CEO

Robert J. Zimmerer

V.P. Secretary & General Manager

William P. Zimmerer

V.P. & Treasurer & Operations Manager

John C. Zimmerer

V.P. & General Manager Bakersfield Division

Brian P. Zimmerer

V.P. & Drilling Manager

Roy F. Senior

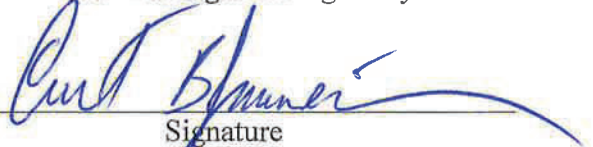
Project Consultant

Zim Industries, Inc.

Name of Proposer

Curt B. Zimmerer

Name of Designated Signatory



Signature

President

Title

Monterey Peninsula Water Supply Project
Request for Proposals for the Construction of Fitch Park ASR Wells 5 and 6

Attachment 2

PROJECT TEAM MEMBER LIST

Proposals shall identify the names and roles of the Proposer and any Significant Subcontractors and all other Project team members identified to date:

<u>NAME:</u>	<u>ROLE:</u>
<u>Kevin A. Newlen</u>	<u>U.P. & Operations Manager-Bakersfield</u>
<u>Victor Chavez</u>	<u>Tool Pusher / On-Site Project Superintendent</u>
<u>Ruben Juarez</u>	<u>Drill Site Supervisor</u>
<u>Chad Hartsock</u>	<u>Pump Installer</u>
<u>Boyd C. Zimmerer</u>	<u>Controller</u>
<u>Dronicio Castillo</u>	<u>Well Driller</u>
	<u>Zim Industries, Inc.</u> Name of Proposer
	<u>Curt R. Zimmerer</u> Name of Designated Signatory
	<u>Curt Zimmerer</u> Signature
	<u>President</u> Title

Monterey Peninsula Water Supply Project
Request for Proposals for the Construction of Fitch Park ASR Wells 5 and 6

Attachment 2

PROJECT TEAM MEMBER LIST

Proposals shall identify the names and roles of the Proposer and any Significant Subcontractors and all other Project team members identified to date:

NAME:

ROLE:

Gilbert Gomes

Drilling Dispatcher

DC Ogan

Pump Sales / Estimator

Aaron Hanna

Safety Manager

Rick Lingenfelter

Pump Manager

Larry Wallen

Shop Foreman

Ramiro Gayton Tapia

Well Driller

Zim Industries, Inc.
Name of Proposer

Curt B. Zimmerer
Name of Designated Signatory


Signature

President
Title



ZIM INDUSTRIES, INC.

4532 E. Jefferson Ave. • Fresno, CA 93725
Ph. (559) 834-1551 • FAX (559) 834-5156
www.zimindustries.com

Statement of Contractor Qualifications and Capabilities

1. Name and Address of Contractor:

Fresno Division

Zim Industries, Inc.
4532 E. Jefferson Ave.
Fresno, CA 93725
E-mail address: zim@zimindustries.com

Contact Person: Robert J. Zimmerer
Phone Number: (559) 834-1551
Fax Number: (559) 834-5156

Bakersfield Division

Bakersfield Well & Pump Co.
7212 Fruitvale Ave.
Bakersfield, CA 93308
E-mail address: jzimmerer@bwpumps.com

Contact Person: John C. Zimmerer
Phone Number: (661) 393-9661
Fax Number: (661) 393-9647

2. Company History/Profile & Number of Years of Contracting Experience:

Zim Industries, Inc., dba Bakersfield Well & Pump Co. (Zim) is currently in its 39th year of business and is headquartered in Fresno, California. We were incorporated in the State of California on August 7, 1979. Since April of 1993, Zim has also conducted business as Bakersfield Well & Pump Co. (d.b.a.) located in Bakersfield, California. Zim provides products and services for a wide range of water services to municipal, corporate and private farming operations. These water industry products and services include water well drilling; irrigation systems; water well pumps, motors and equipment; and concrete-lined irrigation water supply ditches.

Zim is known in the water well drilling industry for its high-quality water wells. We have a large base of highly satisfied customers due to quality of the products and services that we provide. We drill, construct and develop water wells with high specific capacities throughout the western United States. We construct straight and near sand-free production / ASR injection wells that prolong the life of the owners' pumping equipment. Zim ensures well straightness during the drilling phase of water well construction by using the proper drill stem and by constantly monitoring any borehole deviations. We ensure near sand-free wells by matching the gravel pack to the existing formation through the use of sieve analysis during the well design phase of well construction. Zim also promotes the use of high quality materials during the construction phase of the water well project to prolong the well life. By using higher quality gravel pack material (i.e. Colorado Silica); we can construct the water well with a more round and efficient gravel pack less susceptible to closing up. By using a higher quality, larger thickness or different type of casing material (i.e. Roscoe Moss, Johnson Well Screen), we can construct the water well with casing that is less susceptible to rusting out or dissolving due to electrolysis. Where specified we ensure good water quality in the wells we

construct by performing accurate water quality testing during the aquifer zone-testing phase of water well construction. Zim utilizes highly qualified personnel and highly maintained equipment managed by a management team possessing the technical knowledge and experience to properly construct any water well project. In addition, Zim has the capability to construct water wells on tight job sites and to provide sound control where necessary. Zim works with the customer and engineer to properly design the water well for each specific location. In the past, we have constructed double-cased wells, under-reamed wells, ASR injection wells, and wells with seals and blank casing to block the production of water with poor quality or containing contaminants. Zim utilizes the air reverse rotary, the conventional fluid rotary and the conventional air rotary methods to construct water wells. Zim has provided water well drilling services for the installation of potable water production / ASR injection wells with dimensions as large as 10 feet in diameter or as deep as 3000 feet in locations throughout the Western United States. We have the capability and capacity to complete projects with dimensions as wide as 10 feet in diameter or projects as deep as 5,000 feet.

In addition to water well drilling, Zim is also engaged in pump sales, service & repairs and irrigation systems sales, service & repairs for corporate and private farming operations for both existing and new agricultural developments within the Central Valley of California. Zim's focus is to provide corporate and private farming operations with efficient irrigation and pump delivery systems designed to deliver the required GPM water flow rates needed for their tree and row crops.

3. Service Description:

Water Well Drilling Services

- . Water well construction
- . Water well deepening
- . Water well repair / swaging
- . Water well abandonment / destruction
- . Water well rehabilitation: chemically treat with acid / chlorine, brush / swab, airlift / test pump development, air burst.

Irrigation System Sales and Services

- . Zimmatic center pivot irrigation system sales and service
- . Zimmatic MAXfield corner center pivot system sales and service
- . Zimmatic lateral move irrigation system sales and service
- . Install and maintain media filter stations and drip irrigation systems for various farming operations
- . Install and repair underground pipelines
- . Install and repair above ground drip irrigation systems
- . Maintain irrigation systems for corporate and private farming operations for tree crops (pistachios, almonds, vineyards, avocados, oranges, lemons, limes, etc.) and row crops (cotton, corn, tomatoes, etc.)
- . Design irrigation systems as required for specified plant's respiration rate
- . Provide irrigation management as needed to corporate and private farming operations
- . Build irrigation systems per engineer's design
- . Provide flow charts as required for water conservation to various farming operations

. Aluminum / PVC pipe

Water Well Equipment Sales and Services

- . Vertical turbine pumps
- . Gear drives
- . Diesel engines
- . Electric motors
- . Submersible pumps
- . Water storage tanks
- . Column pipe
- . Tube and shaft
- . Pump bowls
- . Electrical pump panels
- . Pump repair and service

Water Supply Concrete-Lined Ditch Services

- . Trapezoidal concrete-lined ditches
- . Trapezoidal earthen ditches
- . Water supply ditch repair and service

4. Applicable Contractor Licenses:

CALIFORNIA

California Contractors State License Board License Number is 440537, Class A, C57, C61/D21

Expiration Date: June 30, 2019

ARIZONA

Arizona Registrar of Contractors License Number is ROC113468, Class A – General Engineering

Expiration Date: March 31, 2020

Arizona Department of Water Resources Well Driller's License Number is 185

Expiration Date: June 30, 2019

NEVADA

Nevada Registrar of Contractors License Number is 0037248, Class C23 – Drilling Wells & Install Pumps

Expiration Date: July 31, 2019

UTAH

Utah Department of Natural Resources Division of Water Rights Well Driller's License Number is 697 – Mud Rotary, Reverse Rotary

Expiration Date: June 30, 2020

NEW MEXICO

New Mexico Office of the State Engineer

Well Driller's License Number is WD-1694 – Reverse Rotary Circulation Drilling

Expiration Date: August 31, 2019

5. Listing of Contractor's Equipment Available for Service:

Water Well Drilling Services

- . (Two) 360 Challenger Drilling Rigs equipped with 9 5/8" O.D. drill pipe with 12" O.D. DI-12 tool joints & 16" drill collars, capable of drilling a 42" diameter hole to a depth of 3,000 feet and a weight capacity of 200,000 lbs.

- . (Four) 320 Challenger Drilling Rigs equipped with 7" O.D. drill pipe with 8 1/2" O.D. I.F. tool joints & 12" drill collars, capable of drilling a 36" diameter hole to a depth of 2,000 feet and a weight capacity of 160,000 lbs.
- . (One) 2500 Gardner Denver Drilling Rig equipped with 7" O.D. drill pipe with 8 1/2" O.D. I.F. tool joints & 12" drill collars, capable of drilling a 36" diameter hole to a depth of 2,000 feet and a weight capacity of 160,000 lbs.
- . (One) 3000 Midway Drilling Rig equipped with 8 5/8" O.D. drill pipe with 11" O.D. hacker tool joints & 16" drill collars, capable of drilling a 36" diameter hole to a depth of 1,500 feet and a weight capacity of 140,000 lbs.
- . (One) Ideco Rambler Drilling Rig equipped with 7" O.D. drill pipe with 8 1/2" O.D. I.F. tool joints & 16" drill collars, capable of drilling a 32" diameter hole to a depth of 1,750 feet and a weight capacity of 140,000 lbs.
- . (One) 128 Challenger Drilling Rig equipped with 7" O.D. drill pipe with 8 1/2" O.D. I.F. tool joints & 16" drill collars, capable of drilling a 32" diameter hole to a depth of 1,200 feet and a weight capacity of 90,000 lbs.
- . (One) Howard-Turner Drilling Rig equipped with 7" O.D. drill pipe with 8 1/2" O.D. I.F. tool joints & 16" drill collars, capable of drilling a 32" diameter hole to a depth of 1,200 feet and a weight capacity of 100,000 lbs.
- . (Two) JED A Drilling Rigs equipped with 6" O.D. drill pipe with 7 1/2" O.D. I.F. tool joints & 10" drill collars, capable of drilling a 28" diameter hole to a depth of 700 feet and a weight capacity of 60,000 lbs.
- . (One) 5200-D Howard-Turner Drilling Rig equipped with 4" O.D. drill pipe with 4 1/2" O.D. I.F. tool joints & 6" drill collars, capable of drilling a 12" diameter hole to a depth of 1,500 feet and a weight capacity of 40,000 lbs.

Water Well Equipment Sales and Services

- . (Fourteen) Pump Rigs capable of pulling and setting pumps weighing up to 75 tons.
- . Test Engines capable of generating up to 1,730 H.P.
- . Test Pumps of various sizes ranging from 25 G.P.M. up to 7,000 G.P.M.

Water Supply Concrete-Lined Ditch Services

- . (One) Trencher capable of trenching a trapezoidal ditch with a width ranging from 4 feet to 8 feet on the bottom and a vertical depth up to 8 feet.
- . (One) JETCO Trencher capable of trenching a trapezoidal ditch with a width of 2 feet on the bottom and a vertical depth ranging from 2 feet up to 4 feet.
- . (One) Cleveland Trencher capable of trenching a trapezoidal ditch with a width of 1 foot on the bottom and a vertical depth ranging from 1 foot up to 3 feet.

Summaries of experience on similar projects completed by Zim Industries, Inc., dba Bakersfield Well & Pump Co. and additional references are available upon request. Zim Industries, Inc., dba Bakersfield Well & Pump Co. hereby certifies that the equipment, personnel, and procedures proposed for your project are both qualified and capable to successfully complete the water service specified by your organization.



Curt B. Zimmerer, President – Zim Industries, Inc., dba Bakersfield Well & Pump Co.

Corporation
(Corporation)

ZIM INDUSTRIES, INC.
ORGANIZATIONAL CHART
MANAGERS & OFFICE STAFF
November 13, 2018

President
Curt B. Zimmerer *(20% owner)**

V.P. Bakersfield Division Manager
John C. Zimmerer *(24% owner)**

V.P. Bakersfield Operations
Kevin A. Newlen *(3% owner)**

Bakersfield Controller
Krista Olsen

Fresno Controller
Boyd C. Zimmerer *(3% owner)**

Drilling Sales
Roy F. Senior, Jr

Municipal Sales
Oscar Macias

Bakersfield Office Manager
Krista Olsen

Fresno Office Manager
Boyd C. Zimmerer

Drilling Superintendent
Brian P. Zimmerer *(3% owner)**

Drilling Superintendent
Kevin Newlen

Tool Pusher
Victor Chavez
Ruben Juarez

Drilling Dispatcher
William Bulley, Sr.

Drilling Dispatcher
Gilbert Gomes

Welding Foreman
Scott Reynish

Office Staff
Yban Manure, Receptionist
Sidney Tolleson, P/R & H.R.
Nanette Watt, A/P
Sherrie Guess, A/R
Barbara Sinco-Kennedy, Admin.

Office Staff
Janie Rodriguez, Receptionist
Judy Muston, P/R
Cathy Hall, A/P
Tina Daniel, H/R
Sandra Manro, A/R

Office Staff
Yban Manure, Receptionist
Sidney Tolleson, P/R & H.R.
Nanette Watt, A/P
Sherrie Guess, A/R
Barbara Sinco-Kennedy, Admin.

Pump Sales
Dexter C. Ogan

Pump Sales
Kenny Baird
Ruben Baltierra
Scott Reynish

Pump & Mechanic Foreman
Rick Lingenfelter

Construction Sales &
Pump Foreman
Kirk McKindley
Ruben Baltierra

Safety Manager
Scott DeGough

Safety Manager
Aaron Hanna

Shop Foreman / Forklift Safety
Larry Wallen

Shop Foreman
Ricky Macias

Mechanic Foreman
Rudy Malto

** Remaining 5% ownership belongs to Curt Zimmerer's ex-wife, Elisabeth Zimmerer (not actively involved in business).*

Zim Industries, Inc.

Fresno, CA 93725

Key Personnel assigned to our Project Team on this Project

President

Curt B. Zimmerer

Phone (559)834-1551

FAX (559)834-5156

e-mail curt@zimindustries.com

General Manager

Robert J. Zimmerer

Phone (559)834-1551

FAX (559)834-5156

e-mail bob@zimindustries.com

Operations Manager

William P. Zimmerer

Phone (559)834-1551

FAX (559)834-5156

e-mail bill@zimindustries.com

Project Consultant

Roy F. Senior, Jr.

Phone (559)834-1551

FAX (559)834-5156

e-mail roy@zimindustries.com

Project Manager

Brian P. Zimmerer

Phone (559)834-1551

FAX (559)834-5156

e-mail brian@zimindustries.com

Project Superintendent

Victor Chavez

Phone (559)834-1551

FAX (559)834-5156

e-mail victor@zimindustries.com

Project Superintendent

Ruben Juarez

Phone (559)834-1551

FAX (559)834-5156

e-mail ruben@zimindustries.com

Project Foreman

Victor Lira

Phone (559)834-1551

FAX (559)834-5156

Project Foreman

Jose Manuel Lopez

Phone (559)834-1551

FAX (559)834-5156

Zim Industries, Inc. commits to keep these key personnel assigned to this project for the duration of the intended role in the project for each individual on our our Project Team.

B

PROPOSAL FORM 4

KEY PERSONNEL¹

(Copy and complete this form for Key Personnel. Attach additional pages along with organizational charts as needed)

General Information²

Name: Curt Zimmerman

Firm: Zim Industries, Inc.

Title: President / CEO

Year employed by firm: 25 years

Total Professional Experience: 29 years

Professional Registration and Licenses (type/number/state/year)³ N/A

Project-Specific Information

Title/Assignment President

Description of Role/Responsibilities:

Manages general managers of Fresno & Bakerfield Divisions

Commitment⁴ Permitting N/A % Construction N/A %

Startup and Testing: N/A %

Footnotes:

- ¹ Proposers shall duplicate this form for all Key Personnel. Refer to subsection 4.4.2 of the RFP for a list of the minimum personnel for which this form shall be completed.
- ² Please indicate any staff that has changed from that provided in the Statement of Qualifications in accordance with subsection 4.4.2 of the RFP. Attach pages as necessary.
- ³ Where applicable, key construction personnel must provide either: (1) proof of current California licensure; or (2) if not currently licensed in California, a detailed plan to obtain a required California license no later than the effective date of the Contract.
- ⁴ Commitment indicates the amount of time (in percent) that the individual would be available to work on the Project during the construction, start-up and testing phases of the Project. Indicate by "N/A" where the individual is not proposed to be involved in a particular phase of the Project.

Resume

Curt B. Zimmerer
1112 E. La Quinta Drive
Fresno, CA 93720

Experience

2000 – Present Zim Industries, Inc., Fresno, CA – President & CEO.
Have over 25 years of experience in financial management in the construction industry. Responsible for the financial management of projects for water well drilling, well site improvements, pump installation, concrete slip lining and irrigation systems through out the Western United States. Direct responsibilities include: long term strategic planning, annual budgeting and business planning, daily financial management, liaison between Bank and Corporation, liaison between Bonding Company and Corporation, and liaison between Insurance Company and Corporation. Actively manages the general manager / sales manager of both the Fresno and Bakersfield Divisions of Zim Industries, Inc. Experienced in all aspects of the sales, marketing, estimating, operations, finance, and financial and managerial reporting activities of the company.

1993 – 2000 Zim Industries, Inc., Fresno, CA – Controller.
Responsible for the daily financial accounting and managerial accounting of the Corporation. Direct responsibilities include managing all financial accounting (accounts receivable, accounts payable, payroll, job costing, general ledger, general journals, and the preparation of financial statements), managing of all managerial accounting (job cost and revenue analysis, preparation of projections and forecasts, preparation of budgets, compare actual financial statement results to forecasts and budgets), and reporting to the CEO.

1991 – 1993 Floyd Johnston Construction, Clovis, CA – Assistant Controller.
Direct responsibilities include preparation of work-in-process reports for uncompleted construction projects, preparation of adjusting general journal entries, preparation of financial statements, and reporting to the Controller.

1988 – 1991 Price Waterhouse, Bakersfield, CA – Staff Accountant / Senior.
Direct responsibilities include auditing balance sheet accounts, analyzing income statement accounts, drafting financial statements, drafting footnotes to financial statements, assisting in the preparation of income tax returns, and reporting to Senior Staff Accountant and Manager.

Education

1985 - 1988 California State University, Fresno, CA, BA in Business Administration with an Accounting Option – 1988.
1983 - 1985 University of California, Los Angeles, CA, classes toward a political science major and an economics minor with an emphasis in accounting.

Personal

Born in the United States, 52 years old, married with 4 children and 2 grandchildren, and in excellent health.

PROPOSAL FORM 4

KEY PERSONNEL¹

(Copy and complete this form for Key Personnel. Attach additional pages along with organizational charts as needed)

General Information²

Name: Robert Zimmerman
Firm: Zim Industries, Inc
Title: General Manager
Year employed by firm: 39 years
Total Professional Experience: 45 years

Ⓐ Professional Registration and Licenses (type/number/state/year)³ CA Contractors License - 440537 thru 6-30-2019
Classifications - A, C57, C61/D21

Project-Specific Information

Title/Assignment Executive and Program Leadership

Description of Role/Responsibilities:

Customer Communications; work with Project Manager to schedule equipment and personnel; and manage Overall Project Manager.
Commitment⁴ N/A % Permitting N/A % Construction 5 %

Startup and Testing: 5 %

Ⓐ Also has Contractors/Driller's Licenses in Arizona, Nevada, New Mexico and Utah.

Footnotes:

- ¹ Proposers shall duplicate this form for all Key Personnel. Refer to subsection 4.4.2 of the RFP for a list of the minimum personnel for which this form shall be completed.
- ² Please indicate any staff that has changed from that provided in the Statement of Qualifications in accordance with subsection 4.4.2 of the RFP. Attach pages as necessary.
- ³ Where applicable, key construction personnel must provide either: (1) proof of current California licensure; or (2) if not currently licensed in California, a detailed plan to obtain a required California license no later than the effective date of the Contract.
- ⁴ Commitment indicates the amount of time (in percent) that the individual would be available to work on the Project during the construction, start-up and testing phases of the Project. Indicate by "N/A" where the individual is not proposed to be involved in a particular phase of the Project.

PROFILE

Robert J. Zimmerer
10331 N. Doheny
Fresno, CA 93720

Experience

1979 – Present Zim Industries, Inc., Fresno, CA – V. P. & Sales Manager.

Have over 25 years experience in sales and general management in the construction industry. General Manager and Sales Manager of the Fresno location for water well drilling projects, well site improvements, pump installation, concrete slip lining and irrigation systems through out the Western United States. Direct responsibilities include annual sales forecasting and business planning, daily sales management, estimating & bidding contract jobs and negotiated agricultural projects, daily general management of the Fresno location, oversee the billing and collection of all sales accounts and reporting to the CEO.

1978 – 1979 Lindsay Manufacturing Co., Lindsay, NE – Engineer-in-Training.

Worked in new products division on the development of aluminum center pivot, calibration of stresses on pivots and new shop drawings.

1975 – 1975 Behlen Manufacturing Co., Columbus, NE – Welder.

Welding and fabrication of steel beams used in the construction of large steel buildings.

1973 – 1974 Lindsay Manufacturing Co., Lindsay, NE – Welder.

Welding of Zimmatic pivot products in the R&D department testing of a water drive pivot system.

Education

1976 - 1978 University of Nebraska, Lincoln, NE, BS in Agricultural Engineering – December 1978.

1974 – 1976 Platte Community Junior College, Columbus, NE.

Personal

Born in the United States, 61 years old, married with 2 children, 2 grandchildren and in excellent health. Hobbies: Play golf and yard work at home.

PROPOSAL FORM 4

KEY PERSONNEL¹

(Copy and complete this form for Key Personnel. Attach additional pages along with organizational charts as needed)

General Information²

Name: William Zimmerman
Firm: Zim Industries, Inc.
Title: Operations Manager / QA/QC Manager
Year employed by firm: 39 years
Total Professional Experience: 45 years
Professional Registration and Licenses (type/number/state/year)³ N/A

Project-Specific Information

Title/Assignment Operations Manager / QA/QC Manager

Description of Role/Responsibilities:

Ensure operations run efficiently & effectively; manages pump manager and well drilling operations. Ensures quality work is maintained.
Commitment⁴ N/A % Permitting N/A % Construction 10 %
Startup and Testing: 10 %

Footnotes:

- ¹ Proposers shall duplicate this form for all Key Personnel. Refer to subsection 4.4.2 of the RFP for a list of the minimum personnel for which this form shall be completed.
- ² Please indicate any staff that has changed from that provided in the Statement of Qualifications in accordance with subsection 4.4.2 of the RFP. Attach pages as necessary.
- ³ Where applicable, key construction personnel must provide either: (1) proof of current California licensure; or (2) if not currently licensed in California, a detailed plan to obtain a required California license no later than the effective date of the Contract.
- ⁴ Commitment indicates the amount of time (in percent) that the individual would be available to work on the Project during the construction, start-up and testing phases of the Project. Indicate by "N/A" where the individual is not proposed to be involved in a particular phase of the Project.

PROFILE

William P. Zimmerer
1660 N. Filbert
Clovis, CA 93611

Experience

1979 – Present Zim Industries, Inc., Fresno, CA – V. P. & Operations Manager.

Have over 25 years experience in operations management in the construction industry. Operations Manager of the Fresno location for water well drilling projects, well site improvements, pump installation, concrete slip lining and irrigation systems through out the Western United States. Direct responsibilities include operations management and business planning, daily project management of jobs, oversee the hiring and dispatching of employees, maintaining and dispatching equipment, purchasing of job materials and reporting to the Fresno General Manager. Direct responsibility for annual production of \$12 million in projects and over 50 employees.

1978 – 1979 Lindsay Manufacturing Co., Lindsay, NE – Junior Engineer.

Worked in new products engineering division on the development of a new type of automated sprinkler system, the Zimmatic Lateral Move.

1974 – 1977 Lindsay Manufacturing Co., Lindsay, NE – Junior Engineer.

Worked over the summer in new products engineering division on the development of the Zimmatic Corner Center Pivot.

Sept. – Dec. 1973 Lindsay Manufacturing Co., Lindsay, NE – Junior Engineer.

Worked directly with the Engineering Department constructing and testing prototypes of new products.

Summer 1973 Lindsay Manufacturing Co., Lindsay, NE – Serviceman.

Spent the summer traveling throughout the Midwest working with dealers in the repair and maintenance of sprinkler systems.

Education

1975 –1978 California Polytechnic State University, San Luis Obispo, CA, BS
in Mechanical Engineering with an emphasis in Mechanical
Design – December 1978.

Personal

Born in the United States, 63 years old, married with 3 children, and in excellent health.

PROPOSAL FORM 4

KEY PERSONNEL¹

(Copy and complete this form for Key Personnel. Attach additional pages along with organizational charts as needed)

General Information²

Name: Brian Zimmerman
Firm: Zim Industries, Inc.
Title: Project Manager / Well Drilling Manager
Year employed by firm: 31 years
Total Professional Experience: 31 years
Professional Registration and Licenses (type/number/state/year)³ NV-Well Drillers License 2269 thru 6-30-2019

Project-Specific Information

Title/Assignment Overall Project Manager

Description of Role/Responsibilities:

Plan project, schedule materials, personnel, subcontractors, drilling equipment & manage construction
Commitment⁴ Construction Superintendent, **Permitting** 100% **Construction** 25%
Startup and Testing: N/A %

Footnotes:

- ¹ Proposers shall duplicate this form for all Key Personnel. Refer to subsection 4.4.2 of the RFP for a list of the minimum personnel for which this form shall be completed.
- ² Please indicate any staff that has changed from that provided in the Statement of Qualifications in accordance with subsection 4.4.2 of the RFP. Attach pages as necessary.
- ³ Where applicable, key construction personnel must provide either: (1) proof of current California licensure; or (2) if not currently licensed in California, a detailed plan to obtain a required California license no later than the effective date of the Contract.
- ⁴ Commitment indicates the amount of time (in percent) that the individual would be available to work on the Project during the construction, start-up and testing phases of the Project. Indicate by "N/A" where the individual is not proposed to be involved in a particular phase of the Project.

Brian P. Zimmerer
Date of Birth: December 4, 1966

Education: Clovis West High School
Graduate, 1985

Fresno City College
Graduate, 1991

Cal State University, Fresno
Graduate, 1994

Experience: Zim Industries, Inc. Fresno, CA
1987-1990 Pump Helper, Trencher Operator
Helped on setting deep turbine pumps, submersible
pumps and recondition used pumps. Operator of 2 ft
bottom laser trencher and surveyor.

1995-1996 Drill Rig Helper

1996-1997 Drilling Coordinator & Tool Pusher
Coordinated rigs, personnel, and paperwork throughout
the complete well drilling process.

1997- Present – Drilling Coordinator / Superintendent /
Project Manager
Coordinating all phases of construction, workers, material,
machinery, and paper workflow throughout the drilling
process.

Monterey Peninsula Water Supply Project
Request for Proposals for the Construction of Fitch Park ASR Wells 5 and 6

PROPOSAL FORM 4

KEY PERSONNEL¹

(Copy and complete this form for Key Personnel. Attach additional pages along with organizational charts as needed)

General Information²

Name:

Victor Chavez

Firm:

Zim Industries, Inc.

Title:

Construction Superintendent/Tool Pusher

Year employed by firm:

15

years

Total Professional Experience:

15

years

Professional Registration and Licenses (type/number/state/year)³

N/A

Project-Specific Information

Title/Assignment

Construction Superintendent/QA/QC manager

Description of Role/Responsibilities:

Ensure proper equipment, personnel, subcontractors, and materials are on the job site when needed. manage Drill Site Supervisor and well drillers.

Commitment⁴

Permitting

N/A %

Construction

50 %

Startup and Testing:

N/A

%

Footnotes:

¹ Proposers shall duplicate this form for all Key Personnel. Refer to subsection 4.4.2 of the RFP for a list of the minimum personnel for which this form shall be completed.

² Please indicate any staff that has changed from that provided in the Statement of Qualifications in accordance with subsection 4.4.2 of the RFP. Attach pages as necessary.

³ Where applicable, key construction personnel must provide either: (1) proof of current California licensure; or (2) if not currently licensed in California, a detailed plan to obtain a required California license no later than the effective date of the Contract.

⁴ Commitment indicates the amount of time (in percent) that the individual would be available to work on the Project during the construction, start-up and testing phases of the Project. Indicate by "N/A" where the individual is not proposed to be involved in a particular phase of the Project.

Victor Chavez
6361 S Cedar Ave.
Fresno, CA 93725
(559) 240-2923

Capabilities & Skills:

- Reverse Rotary Drilling
- Coordinating all phases of construction, workers, material machinery, and paper workflow throughout the drilling process
- Certificate for "Lift Truck Safety Course"
- 40 Hours OSHA – HAZWOPER
- CPR & First Aid Certified

Professional Experiences:

November 2013 – Current

Zim Industries, Inc. - Fresno, CA

Title: Tool Pusher / On-Site Project Superintendent / Drill Site Supervisor

- Oversee onsite rig operations to ensure the operations are conducted safely and in compliance with safety rules, running efficiently, quality work is being performed and meet customer expectations.
- Ensure equipment is being properly serviced, paperwork is being completed correctly and timely, and make corrections as needed.
- Provide proper guidance and direction to rig crew on tasks to be performed, enforces safe work practices, and conducts training sessions as necessary.
- Coordinates with Drilling Division Manager and consults with Human Resources on personnel issues including: staffing, discipline, promotions, rig morale, possible employee conflicts, transfers and terminations.

2006 – November 2013

Zim Industries, Inc. - Fresno, CA

Title: On-Site Project Superintendent / Drill Site Supervisor

- Oversee onsite rig operations to ensure the operations are conducted safely and in compliance with safety rules, running efficiently, quality work is being performed and meet customer expectations.
- Ensure equipment is being properly serviced, paperwork is being completed correctly and timely, and make corrections as needed.
- Provide proper guidance and direction to rig crew on tasks to be performed, enforces safe work practices, and conducts training sessions as necessary.

2003 – 2006

Zim Industries, Inc. – Fresno, CA

Title: Reverse Rotary Driller

Drilled water wells for various Municipalities; Water Districts; and Agricultural Customers up to 2500 feet depth in the Western United States

PROPOSAL FORM 4

KEY PERSONNEL¹

(Copy and complete this form for Key Personnel. Attach additional pages along with organizational charts as needed)

General Information²

Name: Ruben Juarez

Firm: Zim Industries, Inc.

Title: Drill Site Supervisor

Year employed by firm: 24 years

Total Professional Experience: 24 years

Professional Registration and Licenses (type/number/state/year)³ N/A

Project-Specific Information

Title/Assignment Drill Site Supervisor / QA/QC Manager

Description of Role/Responsibilities:
Manage well drillers and ensure project remains on schedule and quality of work is maintained throughout construction.

Commitment⁴ Permitting N/A % Construction 100 %

Startup and Testing: N/A %

Footnotes:

- ¹ Proposers shall duplicate this form for all Key Personnel. Refer to subsection 4.4.2 of the RFP for a list of the minimum personnel for which this form shall be completed.
- ² Please indicate any staff that has changed from that provided in the Statement of Qualifications in accordance with subsection 4.4.2 of the RFP. Attach pages as necessary.
- ³ Where applicable, key construction personnel must provide either: (1) proof of current California licensure; or (2) if not currently licensed in California, a detailed plan to obtain a required California license no later than the effective date of the Contract.
- ⁴ Commitment indicates the amount of time (in percent) that the individual would be available to work on the Project during the construction, start-up and testing phases of the Project. Indicate by "N/A" where the individual is not proposed to be involved in a particular phase of the Project.

Ruben Juarez
395 Gutierrez St.
Orange Cove, CA 93646
(559) 351-3436

Capabilities & Skills:

- Reverse Rotary Drilling
- Coordinating all phases of construction, workers, material machinery, and paper workflow throughout the drilling process
- Certificate for "Lift Truck Safety Course"
- 40 Hours OSHA – HAZWOPER
- CPR & Forklift Certified

Professional Experiences:

Zim Industries, Inc. - Fresno, CA

June 2015 – Current

Title: Drill Site Supervisor

- Oversee onsite rig operations to ensure the operations are conducted safely and in compliance with safety rules, running efficiently, quality work is being performed and meet customer expectations.
- Ensure equipment is being properly serviced, paperwork is being completed correctly and timely, and make corrections as needed.
- Provide proper guidance and direction to rig crew on tasks to be performed, enforces safe work practices, and conducts training sessions as necessary.
- Coordinates with Drilling Division Manager and consults with Human Resources on personnel issues including: staffing, discipline, promotions, rig morale, possible employee conflicts, transfers and terminations.

Zim Industries, Inc. – Fresno, CA

August 2004 – June 2015

Title: Reverse Rotary Driller

Drilled water wells for various Municipalities; Water Districts; and Agricultural Customers up to 2500 feet depth in the Western United States

Zim Industries, Inc. – Fresno, CA

June 1994 – August 2004

Title: Driller Helper

Driller Helper for water wells for various Municipalities; Water Districts; and Agricultural Customers up to 2500 feet depth in the Western United States

PROPOSAL FORM 4

KEY PERSONNEL¹

(Copy and complete this form for Key Personnel. Attach additional pages along with organizational charts as needed)

General Information²

Name: Victor Lira

Firm: Zim Industries, Inc.

Title: Well Driller

Year employed by firm: 15 years

Total Professional Experience: 42 years

Professional Registration and Licenses (type/number/state/year)³ Well Drillers License

Project-Specific Information

Title/Assignment Well Driller

Description of Role/Responsibilities:

Supervises driller helps and performs daily drilling, construction, development and testing tasks.

Commitment⁴ NA % Permitting NA % Construction 100 %

Startup and Testing: NA %

Footnotes:

- ¹ Proposers shall duplicate this form for all Key Personnel. Refer to subsection 4.4.2 of the RFP for a list of the minimum personnel for which this form shall be completed.
- ² Please indicate any staff that has changed from that provided in the Statement of Qualifications in accordance with subsection 4.4.2 of the RFP. Attach pages as necessary.
- ³ Where applicable, key construction personnel must provide either: (1) proof of current California licensure; or (2) if not currently licensed in California, a detailed plan to obtain a required California license no later than the effective date of the Contract.
- ⁴ Commitment indicates the amount of time (in percent) that the individual would be available to work on the Project during the construction, start-up and testing phases of the Project. Indicate by "N/A" where the individual is not proposed to be involved in a particular phase of the Project.

Victor Lira
407 E. Pheonix Ave.
Eloy, AZ 85231
(602) 723-9142

Capabilities & Skills:

- Reverse Rotary and Mud Rotary Drilling
- Extensive experience with zone sampling testing
- Coordinating drilling process and job site management
- Forklift Certified
- CPR & First Aid Certified
- Licensed Commercial Driver
- Certified in Sling and Rigging Safety
- Currently holds Arizona Driller License
- Current holds Utah Drillers License
- Previously held Nevada Drillers License

Professional Experiences:

Zim Industries, Inc. – Fresno, CA
Title: Reverse Rotary Driller

July 2003 - Present

Drilled water wells for various Municipalities; Water Districts; and Agricultural Customers up to 2500 feet depth in the Western United States. Responsible for jobsite management, safety of crew, and ensuring crew is performing quality work that meets customer expectations. Vast experience as a driller and has extensive experience in drill rig operation since 2008.

PROPOSAL FORM 4

KEY PERSONNEL¹

(Copy and complete this form for Key Personnel. Attach additional pages along with organizational charts as needed)

General Information²

Name: Jose Manuel Lopez
Firm: Zim Industries, Inc.
Title: Well Driller
Year employed by firm: 19 years
Total Professional Experience: 25 years
Professional Registration and Licenses (type/number/state/year)³ Well Drillers License

Project-Specific Information

Title/Assignment Well Driller

Description of Role/Responsibilities:

Supervisor driller helpers and performs daily drilling, construction, development & testing tasks.

Commitment⁴ Permitting N/A % Construction 100 %
Startup and Testing: N/A %

Footnotes:

- ¹ Proposers shall duplicate this form for all Key Personnel. Refer to subsection 4.4.2 of the RFP for a list of the minimum personnel for which this form shall be completed.
- ² Please indicate any staff that has changed from that provided in the Statement of Qualifications in accordance with subsection 4.4.2 of the RFP. Attach pages as necessary.
- ³ Where applicable, key construction personnel must provide either: (1) proof of current California licensure; or (2) if not currently licensed in California, a detailed plan to obtain a required California license no later than the effective date of the Contract.
- ⁴ Commitment indicates the amount of time (in percent) that the individual would be available to work on the Project during the construction, start-up and testing phases of the Project. Indicate by "N/A" where the individual is not proposed to be involved in a particular phase of the Project.

Jose Manual Lopez
5401 W. Terrace Ave.
Fresno, CA 93722

Capabilities & Skills:

- Reverse Rotary and Mud Rotary Drilling
- Extensive experience with zone sampling testing
- Coordinating drilling process and job site management
- Forklift Certified
- CPR & First Aid Certified
- Certified in Sling and Rigging Safety
- Current holds Utah Drillers License since 2003

Professional Experiences:

Zim Industries, Inc. – Fresno, CA
Title: Reverse Rotary Driller

September 1999 - Present

Drilled water wells for various Municipalities; Water Districts; and Agricultural Customers up to 2500 feet depth in the Western United States. Responsible for jobsite management, safety of crew, and ensuring crew is performing quality work that meets customer expectations. Vast experience as a driller and has extensive experience in drill rig operation since 2008.

PROPOSAL FORM 4

KEY PERSONNEL¹

(Copy and complete this form for Key Personnel. Attach additional pages along with organizational charts as needed)

General Information²

Name: Aaron Hanna
Firm: Zim Industries, Inc
Title: Safety Manager
Year employed by firm: 2 years
Total Professional Experience: 8 years
Professional Registration and Licenses (type/number/state/year)³ _____

Project-Specific Information

Title/Assignment Safety Manager

Description of Role/Responsibilities:

Zim Manages the safety program of Zim Industries, Inc. Works with other managers to ensure safety practices are maintained and followed.

Commitment⁴ _____ Permitting N/A % Construction 10 %

Startup and Testing: N/A %

(A) As required to ensure safety practices are maintained and followed by all personnel.

Footnotes:

- ¹ Proposers shall duplicate this form for all Key Personnel. Refer to subsection 4.4.2 of the RFP for a list of the minimum personnel for which this form shall be completed.
- ² Please indicate any staff that has changed from that provided in the Statement of Qualifications in accordance with subsection 4.4.2 of the RFP. Attach pages as necessary.
- ³ Where applicable, key construction personnel must provide either: (1) proof of current California licensure; or (2) if not currently licensed in California, a detailed plan to obtain a required California license no later than the effective date of the Contract.
- ⁴ Commitment indicates the amount of time (in percent) that the individual would be available to work on the Project during the construction, start-up and testing phases of the Project. Indicate by "N/A" where the individual is not proposed to be involved in a particular phase of the Project.

Aaron Hanna
1046 Nelder Grove
Tulare, CA 93274
(661) 699-6584

Capabilities & Skills:

- Forklift certified
- 40 Hours OSHA – HAZWOPER
- CPR & First Aid Certified
- EMT 1 Certification Completed in 2010
- Federal DOT drug & Alcohol sample collection Technician
- NCCCO Crane Certified Operator
- Sling and Rigging Safety Certified
- DOT Reasonable Suspicion certified
- Certified Fall Protection Trainer

Professional Experiences:

April 2016 – Current

Zim Industries, Inc. - Fresno, CA

Title: Safety Manager

- Oversee onsite pump and rig operations to ensure the operations are conducted safely and in compliance with safety rules and regulations.
- Coordinates with maintenance division that all equipment is maintained with highest safety standards
- Provide proper guidance, direction, and safety training to management and all staff on safe operating procedures for all task company wide.
- Conducts regular safety audits and ensures all safety programs exceed required standards to create the safest possible workplace.
- Trains on all new hires on safe work practices and Zim policies.
- Responsible for weekly safety meetings

5/2015 – April 2016

Environmental Safety Solutions. - Bakersfield, CA

Title: Oilfield Support Division Manager

- Conducted third party safety consulting services for clientele
- Trained new hires on job task
- Developed safety programs and training programs for clients
- Employee scheduling and reporting
- Responsible for injury, incident and progress reports

6/2012-2/2014 & 11/2014 - 5/2015

Trinity Safety Company – Bakersfield, CA

Title: Lead Gas Detection Specialist/New Hire Trainer

- Set up & Service of drilling, production and DTR gas detection, including calibrating and repair.
- Train new hires on job duties and safety requirements
- SCBA and EEBA service
- Conducted Emergency response to gas alarms for customers
- Conducted in house audits for customers
- Conducted weekly safety meetings

3/2011 – 6/2012

Weatherford Artificial Lift System – Bakersfield, CA

Title: Pumping Unit Technician

- Conduct inspections and perform maintenance on pumping units
- Responsible for set up/tear down of units
- Crew leader for preventative maintenance crew
- Responsible for Equipment maintenance and repair

8/2010 – 3/2011

Antel, Co. – Bakersfield, CA

Title: Gas Detection Specialist/Field Technician

- Calibrate H₂S Monitors
- Coordinate and service AERA DTR gas detection equipment deployment
- Calibrate and service fixed rig gas detection systems
- Monitor and respond to gas alarms during drilling production in the event of gas release
- Provide air trailers for jobs that require fresh air work

PROPOSAL FORM 4

KEY PERSONNEL¹

(Copy and complete this form for Key Personnel. Attach additional pages along with organizational charts as needed)

General Information²

Name: Rick Lingenfelter
Firm: Zim Industries Inc.
Title: Pump Manager
Year employed by firm: 2 years
Total Professional Experience: 30 years
Professional Registration and Licenses (type/number/state/year)³ N/A

Project-Specific Information

Title/Assignment Pump Manager / Commissioning Manager

Description of Role/Responsibilities:

Manages pump department; Schedules and directs pump installers and their crew; orders materials; dispatches pump rigs & equipment for project.
Commitment⁴ _____ Permitting N/A % Construction 20 %

Startup and Testing: 50 %

Footnotes:

- ¹ Proposers shall duplicate this form for all Key Personnel. Refer to subsection 4.4.2 of the RFP for a list of the minimum personnel for which this form shall be completed.
- ² Please indicate any staff that has changed from that provided in the Statement of Qualifications in accordance with subsection 4.4.2 of the RFP. Attach pages as necessary.
- ³ Where applicable, key construction personnel must provide either: (1) proof of current California licensure; or (2) if not currently licensed in California, a detailed plan to obtain a required California license no later than the effective date of the Contract.
- ⁴ Commitment indicates the amount of time (in percent) that the individual would be available to work on the Project during the construction, start-up and testing phases of the Project. Indicate by "N/A" where the individual is not proposed to be involved in a particular phase of the Project.

1022 E CARNOUSTIE AVENUE

Rick Lingenfelter

FRESNO, CALIFORNIA 93730

(559)375-2381

reddog7551@gmail.com

I have worked at Weir Floway Inc. for 28 years. Throughout my professional history, with Weir Floway Inc., they were dependent on my skill sets to build customer relations, secure quality control and manage working capital under budget while increasing net profits.

For your review, I have outlined a synopsis of some of my responsibilities, which I feel I mastered, during the history of my employment.

Thank you in advance to further discuss my desire to secure employment with your firm.

PROFESSIONAL EXPERIENCE:

1988 - 1990

Test Lab Department

The Test Lab Department is responsible for hydro and performance testing of parts and assemblies.

- Hydroed bowls, column, fabricated and cast heads, cooling loops and seal piping at various pressures required by the job spec.
- Assembled test equipment to job bowls and units in preparation for performance testing.
- Performance tested units and bowl assemblies utilizing job and Test Lab motors per the job spec and service.
- NPSH tested first stage bowls to determine cavitation limits.

1991 – 1998

Machinist

Duties included machining shafting, castings, bearings, and fixtures.

- Machined bowls for w/r configuration and extra lateral settings.
- Machined impellers for w/r configuration and various trim sizes.
- Machined bowl shafts, line shafts, and motor shafts for various configurations per the job spec.
- Machined bearings for bowls, line shaft bearings, and discharge bearings.
- Drilled various parts using automatic and radial drill presses.

1999 – 2001

Service Center Lead Man

The Service Center was responsible for all repairs of existing pumps from the field and new builds as well.

- Responsible for directing the inner column assembly department, this included running the turret lathes, inner column threading machine, and assembly rack.
- Directed and worked in the assembly rack area and scheduled repairs.
- Directed and worked in the engine lathe area and underfile area to follow shipment schedule.
- Directed and worked in the shipping department and was responsible for monthly OTD adherence.
- Responsible for part shortages and scheduling work to fill the shortages.

2002 – 2004

Assembly Department Supervisor

The Assembly Department was responsible for all assemblies for testing and final assemblies for shipment.

- Responsible for supervising six employees in the area.
- Responsible for all OTD, COQ, and EHS in the area.
- Achieved 102% efficiency in the cell under my supervision.
- Operated within a \$150K yearly budget and was responsible for all costs and expenditures.
- Delivered all assemblies for shipments during \$50M to \$60M shipment years on time at 97%.
- Trained new employees on the proper way to assembly bowl, pump, and seal assemblies.
- Developed new tooling and racking for the cell to improve efficiencies and unnecessary downtime.

2005 – 2006

Assistant Plant Manager

The Assistant Plant Manager was responsible for overseeing the daily operation of the Assembly, Shipping, and the Fab Shop Departments.

- Operated and successfully managed a \$3.5M budget.
- Achieved 102% efficiency in all departments.
- Upgraded the environmental controls in the fabrication department to include an exhaust system for the welding fumes and smoke.
- OTD was at 95% for all departments and COQ was at .02% of output.
- (0) lost time accidents and (2) recordables were achieved.
- Member of the international Machining Best Practice team that is tasked to improve and collaborate on all machining synergies within the Weir Group.
- Implemented new machinery in the Shipping Department that improved throughput and reduce lead times.

2007 – Present

Plant Manager

The Plant Manager is responsible for overseeing the daily operation of the entire manufacturing process. These areas include the Test Lab, Fabrication Shop, Shipping Department, Machine Shop, Blast & Coating, Maintenance, and Traffic Department.

- Operated and successfully manage a yearly \$7.5M budget.
- Maintained a 102% efficiency metric for Manufacturing.
- OTD has averaged 95% for all departments and COQ has averaged .05% of output.
- (0) lost time accidents and (2) recordables have been averaged during my tenure.
- Member of the international Machining Best Practice team that is tasked to improve and collaborate on all machining synergies within the Weir Group.
- Successfully implemented the Weir EHS Standards into all departments.
- Researched and purchased (10) pieces of equipment for the Machine Shop.
- Implemented many PM programs for all the plant machinery, which reduced unplanned downtime.
- Instrumental in the company returning double-digit profit yearly.
- Successfully reorganized the Traffic Department to reduce freight costs and improve customer satisfaction.
- Instrumental in negotiations with the High Speed Rail Authority and the City of Fresno on the Floway's direct involvement in the ROW.

PROPOSAL FORM 4

KEY PERSONNEL¹

(Copy and complete this form for Key Personnel. Attach additional pages along with organizational charts as needed)

General Information²

Name: DC Ogan
Firm: Zim Industries Inc.
Title: Pump Estimator / Pump Project Manager
Year employed by firm: 25 years
Total Professional Experience: 25 years
Professional Registration and Licenses (type/number/state/year)³ N/A

Project-Specific Information

Title/Assignment: Pump Project Manager / QA/QC Manager / Commissioning Manager
Description of Role/Responsibilities: Estimator and manages pump projects; works with Pump Manager to ensure project is completed timely and ensures quality of work.
Commitment⁴ _____
Permitting N/A %
Construction 100 %
Startup and Testing: 100 %

Footnotes:

- ¹ Proposers shall duplicate this form for all Key Personnel. Refer to subsection 4.4.2 of the RFP for a list of the minimum personnel for which this form shall be completed.
- ² Please indicate any staff that has changed from that provided in the Statement of Qualifications in accordance with subsection 4.4.2 of the RFP. Attach pages as necessary.
- ³ Where applicable, key construction personnel must provide either: (1) proof of current California licensure; or (2) if not currently licensed in California, a detailed plan to obtain a required California license no later than the effective date of the Contract.
- ⁴ Commitment indicates the amount of time (in percent) that the individual would be available to work on the Project during the construction, start-up and testing phases of the Project. Indicate by "N/A" where the individual is not proposed to be involved in a particular phase of the Project.



BAKERSFIELD WELL & PUMP CO.

7212 Fruitvale Ave. • Bakersfield, CA 93308 • (661) 393-9661 FAX (661) 393-9647

John C. Zimmerer
15152 Thunder Valley Rd.
Bakersfield, CA 93314

Experience

2008 – Present Zim Industries, Inc. dba Bakersfield Well & Pump Co.
V.P. General Manager

I have taken over the General Manager position for the three year. I am in charge of the Bakersfield Division. Including over site of all sales, operations, financial, and general overview of the Bakersfield Branch.

1986 – 2008 Zim Industries, Inc., Fresno, CA
V.P. & Operations Manager

With over 25 years experience in field operations and 18 years experience in operations management in the construction industry. Operations Manager of the Bakersfield location for water well drilling projects, well site improvements, pump installation, concrete slip lining and irrigation systems through out the Western United States. Direct responsibilities include operations management and business planning, daily project management of jobs, oversee the hiring and dispatching of employees, maintaining and dispatching equipment, purchasing of job materials and reporting to the Bakersfield General Manager.

Education

1990 – 1993 California State University, Fresno, CA, BA in Business
Administration – 1993

1988 – 1990 Fresno City Junior College, Fresno, CA.



BAKERSFIELD WELL & PUMP CO.

7212 Fruitvale Ave. • Bakersfield, CA 93308 • (661) 393-9661 FAX (661) 393-9647

Kevin A. Newlen

14116 Prestonbrook Dr.
Bakersfield, CA 93314

- Work Experience
- Bakersfield Well and Pump Co. Bakersfield, Ca 2000-Present
A Division of Zim Industries
Drilling Superintendent
- Coordinate Drilling and Completion activities for 4 Drilling Rigs
 - Control and Manage all Logistics
 - Manage Drilling and Logistics Personnel
 - Meet with Potential Clients to Plan Wells
 - Arrange Permits and Licenses needed to Drill Wells
 - Coordinate Large Diameter Wells for State, County and City Agencies
 - Coordinate and Plan Water Well Drilling Operations for Chevron Texaco
- Bakersfield Well and Pump Inc. Bakersfield, Ca 1992-2000
A Division of Zim Industries
Trial Pusher & Driller
- Manage Personnel and Equipment during Drilling Process
 - Operate Drilling Rig

Skills and Certification

- 20 yrs Drilling Industry Knowledge and Experience
- Tradition Circulation Methods (Direct Circulation)
- Reverse Circulation Drilling
- Well Hydraulics and Drilling Fluids
- Equipment Management
- Nevada State Licensed Driller
- Personnel Management
- Current Class A with Endorsements
- Hydro Crane Operation (15 Ton)
- Heavy Equipment Operation
- Certified Forklift Driver
- Certified Welder (Horizontal Fillet Welding)

PROFILE

ROY F. SENIOR, JR.

PERSONAL

Address: Hanford, CA
Date of Birth: 10-1-33
Married

EXPERIENCE

ZIM INDUSTRIES, INC., Fresno, CA 1993-Present
Sold all equipment to Zim Industries, Inc. and went to work
as Drilling Sales Manager and Technical Drilling Supervisor.

ALL AMERICAN WATER SUPPLY, INC. 1989-1993
Formerly Senior Enterprises, Inc. Changed corporate name to
All American Water Supply, Inc. and obtained an SBA loan to
add additional drilling equipment and rig up the equipment
obtained from Hydro-Group, Inc., as well as providing needed
operating capital.

HYDRO-GROUP, INC. 1978-1989
Hydro-Group, Inc. made a decision to discontinue drilling
deep wells at which time Senior Enterprises, Inc. obtained
equipment plus negotiated cash payment for balance of agree-
ment with Western Well & Pump, Inc.

WESTERN WELL & PUMP, INC. 1972-1987
Located in Colby, Kansas, with primary revenue generated
from sale of agricultural irrigation wells, pumps and center
pivots. Grew into an annual volume of business of \$9
million with a pre-tax profit in excess of \$1 million.

With the collapse of the farm economy and irrigation
development in 1978, Western Well & Pump, Inc. purchased oil
drilling equipment and moved into that market, which soon
collapsed as well.

Left with limited operating capital, a sale of the corpora-
tion was negotiated with Hydro-Group, Inc. of Linden, New
Jersey.

LAYNE-WESTERN COMPANY, INC. 1952-1972
Started as rig helper and was promoted to driller after one
year. Hands-on drilling experience for 13 years, then pro-
moted to field superintendent working out of the Kansas City
offices.

After six years as field superintendent, formed own company.

Dionicio Castillo
9146 Topica Ct.
Bakersfield, CA 93306
(559) 840-9873

Capabilities & Skills:

- Reverse Rotary and Mud Rotary Drilling
- Extensive experience with zone sampling testing
- Coordinating drilling process and job site management
- Forklift Certified
- CPR & First Aid Certified

Professional Experiences:

Zim Industries, Inc. – Fresno, CA
Title: Reverse Rotary Driller

Sept. 2015 - Present

Drilled water wells for various Municipalities; Water Districts; and Agricultural Customers up to 2500 feet depth in the Western United States. Responsible for jobsite management, safety of crew, and ensuring crew is performing quality work that meets customer expectations.

Zim Industries, Inc. – Fresno, CA
Title: Driller Helper

Nov. 2001- Sept. 2015

Driller Helper for water wells for various Municipalities; Water Districts; and Agricultural Customers up to 2500 feet depth in the Western United States

Ramiro Gayton Tapia
4532 E. Michigan
Fresno, CA 93703
(559) 840-6032

Capabilities & Skills:

- Reverse Rotary and Mud Rotary Drilling
- Extensive experience with zone sampling testing
- Coordinating drilling process and job site management
- Forklift Certified
- CPR & First Aid Certified

Professional Experiences:

Zim Industries, Inc. – Fresno, CA
Title: Reverse Rotary Driller

August 2013 - Present

Drilled water wells for various Municipalities; Water Districts; and Agricultural Customers up to 2500 feet depth in the Western United States. Responsible for jobsite management, safety of crew, and ensuring crew is performing quality work that meets customer expectations. Vast experience as a driller and has extensive experience in drill rig operation since 2008.

Zim Industries, Inc. – Fresno, CA
Title: Driller Helper

February 2008- August 2013

Driller Helper for water wells for various Municipalities; Water Districts; and Agricultural Customers up to 2500 feet depth in the Western United States

PROFILE

Chad Hartsock, Well Rehabilitation Equipment Operator & Pump Installer, Employee
2344 E. Richmond Avenue
Fresno, California 93720
(559)-351-3431

Capabilities and Skills:

- Well Rehabilitation Equipment Operator & Pump Installer.
- Coordinating all phases of well rehabilitations and pump installations, workers, material, machinery, and paper workflow throughout the well rehabilitation and or pump installation process.
- Certificate for "Lift Truck Safety Course"
- 40 Hours OSHA – HAZWOPER
- CPR and First Aid Certification
- Welding Certification

Work History:

Zim Industries, Inc. - Fresno, California 2012 – Present
Title: Well Rehabilitation Equipment Operator & Pump Installer

Responsible for operating equipment and managing helpers during the performance of water well rehabilitation projects, pump installation projects, development phases of water well construction projects, and well destruction and abandonment projects. Extensive experience rehabilitating deep large diameter water wells throughout the western United States. Perform air bursting well rehabilitations utilizing air burst gun, air compressor and equipment set for capacities up to 2,500 psi. Perform physical brushing and surging of water wells with a dual swab tool and bailing and pumping debris from well. Mixing acid, chlorine and other chemical well treatments, injecting chemicals into well using a dual swab tool and pumping off well until chemicals are evacuated and well water is clear. Install pump testing equipment and perform well development pumping, step drawdown tests and constant rate tests. Vast experience as a pump installer and has extensive experience in pump rig operation experience since 2009.

Zim Industries, Inc. – Fresno, California 2009 – 2012
Title: Pump Installer Helper

Performed pump installer helper duties during water well rehabilitation projects, pump installation projects, development phases of water well construction, and well destruction and abandonment projects. Extensive experience rehabilitating deep large diameter water wells throughout the western United States. Perform air bursting well rehabilitations utilizing air burst gun, air compressor and equipment set for capacities up to 2,500 psi. Perform physical brushing and surging of water wells with a dual swab tool and bailing and pumping debris from well. Mixing acid, chlorine and other chemical well treatments, injecting chemicals into well using a dual swab tool and pumping off well until chemicals are evacuated and well water is clear. Install pump testing equipment and perform well

development pumping, step drawdown tests and constant rate tests. Vast experience as a pump installer helper and has over 3 years of pump rig helper experience.

C

WMDV BE
UTILIZATION PLAN

Gray

WMDVBE UTILIZATION PLAN

Zim Industries, Inc. acknowledges the contributions of women, minority and disabled veteran business enterprises (WMDVBE) to California's economy, in part, through CPUC General Order 156. In accordance with CPUC General Order 156, Zim Industries, Inc. is committed to promote and facilitate full participation in these programs. Zim has solicited proposals from qualified WMDVBE owned suppliers and subcontractors to utilize on this Fitch Park ASR Well 5 and 6 well drilling project. The attached Good Faith Efforts document the steps taken by Zim Industries, Inc. to ensure that the WMDVBE will be met. Zim Industries, Inc. commits to contract with WMDVBE diverse businesses that have been certified through the CPUC's Supplier Clearinghouse, as part of this project. Zim Industries, Inc. has identified qualified WMDVBE businesses to meet the minimum established goals required for this project. See Proposal Form 8 – Diverse Business Enterprise Requirement Statement completed by Zim Industries, Inc. in item E. of Section 4 of this proposal for the planned utilization of WMDVBE businesses on this project. Zim Industries, Inc. will also attempt to utilize additional WMDVBE businesses on this project as work is performed on this project. Zim Industries, Inc. will monitor and report the continued implementation of diverse business program goals, as stated in the Diverse Business Enterprise Requirement Statement, throughout the performance of this Contract.

DBE INFORMATION - GOOD FAITH EFFORTS

Federal-aid Project No. Fitch Park ASR Wells SR6 Bid Opening Date 11-30-2018

The CPUC established a Disadvantaged Business Enterprise (DBE) goal of 30 % for this project. The information provided herein shows that a good faith effort was made.

Lowest, second lowest and third lowest bidders shall submit the following information to document adequate good faith efforts. Bidders should submit the following information even if the "Local Agency Bidder DBE Commitment" form indicates that the bidder has met the DBE goal. This will protect the bidder's eligibility for award of the contract if the administering agency determines that the bidder failed to meet the goal for various reasons, e.g., a DBE firm was not certified at bid opening, or the bidder made a mathematical error.

Submittal of only the "Local Agency Bidder DBE Commitment" form may not provide sufficient documentation to demonstrate that adequate good faith efforts were made.

The following items are listed in the Section entitled "Submission of DBE Commitment" of the Special Provisions:

- A. The names and dates of each publication in which a request for DBE participation for this project was placed by the bidder (please attach copies of advertisements or proofs of publication):

Publications	Dates of Advertisement
<u>Craig's 1st</u>	<u>11-12-2018 to 11-30-2018</u>
<u>Daily Construction Services</u>	<u>11-13-2018 to 11-15-2018</u>

- B. The names and dates of written notices sent to certified DBEs soliciting bids for this project and the dates and methods used for following up on initial solicitations to determine with certainty whether the DBEs were interested (please attach copies of solicitations, telephone records, fax confirmations, etc.):

Names of DBEs Solicited	Date of Initial Solicitation	Follow Up Methods and Dates
<u>SC Drilling & Transportation</u>	<u>11-13-2018</u>	<u>Phone Calls & Emails to 11-29-2018</u>
<u>mill man Steel</u>	<u>11-13-2018</u>	
<u>Sams Equipment & Supplies</u>	<u>11-29-2018</u>	
<u>Uchida Pipe</u>	<u>11-13-2018</u>	
<u>Sanger Pumps</u>	<u>11-13-2018</u>	
<u>Cup Flow</u>	<u>11-13-2018</u>	
<u>ASAP Industrial Supply, Inc.</u>	<u>11-13-2018</u>	

Proposal
Contract Number

C. The items of work which the bidder made available to DBE firms including, where appropriate, any breaking down of the contract work items (including those items normally performed by the bidder with its own forces) into economically feasible units to facilitate DBE participation. It is the bidder's responsibility to demonstrate that sufficient work to facilitate DBE participation was made available to DBE firms.

Items of Work	Bidder Normally Performs Item (Y/N)	Breakdown of Items	Amount (\$)	Percentage Of Contract
① See Attached requests for proposals.	No	①	①	over 30% in total

D. The names, addresses and phone numbers of rejected DBE firms, the reasons for the bidder's rejection of the DBEs, the firms selected for that work (please attach copies of quotes from the firms involved), and the price difference for each DBE if the selected firm is not a DBE:

Names, addresses and phone numbers of rejected DBEs and the reasons for the bidder's rejection of the DBEs:

Uchida Pipe - declined to quote
 Sanger Pumps - declined to quote
 Cap Flow - declined to quote
 ASAP Industrial Supply, Inc. - declined to quote

Names, addresses and phone numbers of firms selected for the work above:

See attached DBE Subcontractor Utilization Form

E. Efforts made to assist interested DBEs in obtaining bonding, lines of credit or insurance, and any technical assistance or information related to the plans, specifications and requirements for the work which was provided to DBEs:

Zim Industries, Inc. will work with suppliers to pay invoices within normal terms so they don't have to wait for our progress payments to be received before they are paid.

Proposal Contract Number

We do not require suppliers to bond their work, we will bond the job as the general contractor.

F. Efforts made to assist interested DBEs in obtaining necessary equipment, supplies, materials or related assistance or services, excluding supplies and equipment the DBE subcontractor purchases or leases from the prime contractor or its affiliate:

Referred DBEs to Rescoe Mass Manufacturing Company and Kelly Pipe as possible pipe manufacturers / pipe suppliers, to sell to them.

G. The names of agencies, organizations or groups contacted to provide assistance in contacting, recruiting and using DBE firms (please attach copies of requests to agencies and any responses received, i.e., lists, Internet page download, etc.):

Name of Agency/Organization	Method/Date of Contact	Results
CA-DOT	Internet - https://ucp.dot.ca.gov/licenseform.htm	
CA-Dept General Services	Internet - https://www.asm.bids.ca.gov	
CA-Office of Small Business & DBE Services	Internet - https://www.eprocure.dgs.ca.gov	

H. Any additional data to support a demonstration of good faith efforts (use additional sheets if necessary):

Researched past projects for names of possible DBEs to solicit quotations. Our direct DBE solicitations offered us our best prospects in obtaining DBE quotes

NOTE: USE ADDITIONAL SHEETS OF PAPER IF NECESSARY.

for this projects

Proposal
Contract Number

Curt Zimmerer

From: Tina Daniel
Sent: Monday, November 12, 2018 11:27 AM
To: Curt Zimmerer; Boyd Zimmerer; Robert Zimmerer
Subject: Proof of advertising for Cal American Water Fitch Park job
Attachments: Craigslist proof of advertising post_11-12-18.pdf; Upcoming Seaside Job

All,

Attached is proof of advertising looking for subcontractors and laborers for the Cal American Water Fitch Park job we are currently bidding. I have advertised in Craigslist as well as reached out to a staffing agency in Salinas that is set up for certified payroll jobs (I believe, waiting on confirmation). Boyd is also placing an ad in the Northern Ca Daily Construction. Attached are the proof of my advertising, which are also saved in the bid folder. If you have any questions or want me to advertise in any additional sources, please let me know.

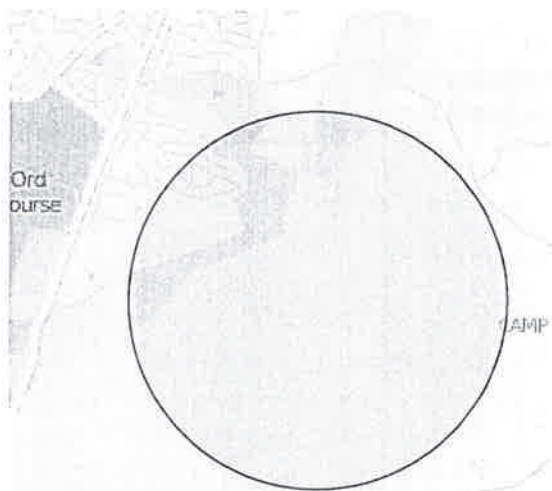
Tina Daniel
Human Resources Manager
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Fax (559) 834-5156
Email: tina@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

CL monterey > jobs > general labor

Contact Information:

Labor Forces for Water Well Drilling Project (Seaside, CA)



compensation: **BOE**

employment type: **full-time**

REQUEST FOR ALL QUALIFIED SUBCONTRACTORS, SUPPLIERS & TRUCKERS INCLUDING WOMEN, MINORITY AND DISABLED VETERAN BUSINESS ENTERPRISES, AS WELL AS LOCAL MONTEREY AREA (MONTEREY COUNTY, SAN BENITO COUNTY, OR SANTA CRUZ COUNTY) SUBCONTRACTORS, SUB-CONSULTANTS, VENDORS, SUPPLIERS, AND LABOR FORCES FOR:

California American Water - Monterey Peninsula Water Supply Project - Construction of Fitch Park ASR Wells 5 and 6 located on former Fort Ord in Seaside, California.

BID DATE: November 15, 2018 NO LATER THAN 3:00 PM PST

Project Description: The Project will consist of mobilization, well drilling and development, temporary pipeline installations, installation of noise control sound barrier, fluid and cuttings containment, furnishing & installing well casing, gravel filter pack, and cement grout seal, well development & testing, disposal of drilling fluids and cuttings, site permits, site cleanup, and other requirements as described in the technical specifications.

Items of Work, including but not limited to: Trucking, Clearing & Grubbing, Construction Area Signs, Stainless Steel well casing & screen, Sand Filter Pack, Cement, Sanitary Facilities, Temporary Fencing, diesel fuel, site grading & leveling, etc.

Disadvantaged Business Enterprises will need to complete and sign the DBE Subcontractor Participation Form (Form 4500-2) and the DBE Subcontractor Performance Form (Form 4500-3)

All items are open for bid, including items of work normally performed by Zim Industries, Inc. Quotes will be broken down into comparable packages as reasonably necessary as Zim Industries, Inc. is willing to work with interested WMDVBE subcontractors to breakout any portion of work that is reasonably feasible to encourage WMDVBE and local hiring participation.

QR Code Link to This Post



Requirements: Performance & Payment Bonds may be required for the full amount of the subcontract price. Subs must possess a valid contractor's license, DIR registration number, and Worker's Compensation, Auto, and Liability Insurance as required (see contract documents for all contract requirements). Subs will be required to sign the standard Zim Industries, Inc. Subcontract Agreement. Quotes must be valid for 120 days after the specified Contract Award Date by the Owner.

Plans and Specs: Available for your viewing at our office or can be emailed and/or made available via shared file storage upon request.

Please contact Zim Industries with any questions with bonding, insurance, necessary equipment, and job overview. Please email resumes/employment applications to apply for general laborer positions.

ZIM INDUSTRIES, INC.

4532 E Jefferson Ave.

Fresno, CA 93725

Phone (559) 834-1551

Fax (559) 834-5156

Contact: Tina Daniel

Email: Reply through Craigslist email

An Equal Opportunity Employer



ZIM INDUSTRIES, INC.

REQUEST FOR ALL QUALIFIED SUBCONTRACTORS, SUPPLIERS & TRUCKERS INCLUDING WOMEN, MINORITY AND DISABLED VETERAN BUSINESS ENTERPRISES, AS WELL AS LOCAL MONTEREY AREA (MONTEREY COUNTY, SAN BENITO COUNTY, OR SANTA CRUZ COUNTY) SUBCONTRACTORS, SUB-CONSULTANTS, VENDORS, SUPPLIERS, AND LABOR FORCES FOR:

California American Water – Monterey Peninsula Water Supply Project – Construction of Fitch Park ASR Wells 5 and 6 located on former Fort Ord in Seaside, California.

BID DATE: November 15, 2018 NO LATER THAN 3:00 PM PST

Project Description: The Project will consist of mobilization, well drilling and development, temporary pipeline installations, installation of noise control sound barrier, fluid and cuttings containment, furnishing & installing well casing, gravel filter pack, and cement grout seal, well development & testing, disposal of drilling fluids and cuttings, site permits, site cleanup, and other requirements as described in the technical specifications.

Items of Work, including but not limited to: Trucking, Clearing & Grubbing, Construction Area Signs, Stainless Steel well casing & screen, Sand Filter Pack, Cement, Sanitary Facilities, Temporary Fencing, diesel fuel, site grading & leveling, etc.

Disadvantaged Business Enterprises will need to complete and sign the *DBE Subcontractor Participation Form* (Form 4500-2) and the *DBE Subcontractor Performance Form* (Form 4500-3)

All items are open for bid, including items of work normally performed by Zim Industries, Inc. Quotes will be broken down into comparable packages as reasonably necessary as Zim Industries, Inc. is willing to work with interested WMDVBE subcontractors to breakout any portion of work that is reasonably feasible to encourage WMDVBE and local hiring participation.

Requirements: Performance & Payment Bonds may be required for the full amount of the subcontract price. Subs must possess a valid contractor's license, DIR registration number, and Worker's Compensation, Auto, and Liability Insurance as required (see contract documents for all contract requirements). Subs will be required to sign the standard Zim Industries, Inc. Subcontract Agreement. Quotes must be valid for 120 days after the specified Contract Award Date by the Owner.

Plans and Specs: Available for your viewing at our office or can be emailed and/or made available via shared file storage upon request.

Please contact Zim Industries with any questions with bonding, insurance, necessary equipment, and job overview. Please email resumes/employment applications to apply for general laborer positions.

ZIM INDUSTRIES, INC.

4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Fax (559) 834-5156
Contact: Tina Daniel
Email: Tina@zimindustries.com

An Equal Opportunity Employer

Curt Zimmerer

From: Boyd Zimmerer
Sent: Tuesday, November 13, 2018 8:35 AM
To: Curt Zimmerer; Robert Zimmerer; Tina Daniel
Subject: RE: Northern California Ad - Daily Construction Service - California American Water Fitch Park ASR-5 & ASR-6 Wells
Attachments: Advertising printed in Daily Construction Service on 11-13-18.pdf

Attached is a copy of the ad that was printed in today's Daily Construction Service. A copy is also saved in the electronic bid file for this project.

Boyd Zimmerer
Vice-President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Fax (559) 834-5156
Email: boyd@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

From: Boyd Zimmerer
Sent: Monday, November 12, 2018 11:18 AM
To: 'Viktoria D'Armiento' <vikki.darmiento@cmdgroup.com>
Cc: Curt Zimmerer <curt@zimindustries.com>; Robert Zimmerer <bob@zimindustries.com>; 'Tina Daniel (tina@zimindustries.com)' <tina@zimindustries.com>
Subject: Northern California Ad - Daily Construction Service - California American Water Fitch Park ASR-5 & ASR-6 Wells

Hi Vikki,

As per our discussion earlier, we are looking to run the attached ad in Northern California for the next (3) consecutive days starting tomorrow, Tuesday, November 13, 2018. Please get back to me with proposal and proof.

Thanks again,

Boyd Zimmerer
Vice-President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
x (559) 834-5156
Email: boyd@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby

notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

Today's Opportunities ADVERTISING PROOF DAILY CONSTRUCTION SERVICE®

Construction Market Data

Advertising
P.O. Box 1748, Glen Ellen, CA 95442

Contact: Vikki D'Armiento
800-242-9747 • Fax: 800-850-9009
Vikki.darmiento@cmdgroup.com

REQUEST FOR ALL QUALIFIED SUBCONTRACTORS,
SUPPLIERS & TRUCKERS INCLUDING WOMEN,
MINORITY AND DISABLED VETERAN BUSINESS
ENTERPRISES, AS WELL AS LOCAL MONTEREY AREA
(MONTEREY COUNTY, SAN BENITO COUNTY, OR
SANTA CRUZ COUNTY) SUBCONTRACTORS,
SUB-CONSULTANTS, VENDORS, SUPPLIERS, AND
LABOR FORCES FOR:

California American Water –
Monterey Peninsula Water Supply Project
Construction of Fitch Park ASR Wells 5 and 6
located on former Fort Ord in Seaside, CA

BID DATE: NOVEMBER 15, 2018 BY 3:00 PM PST

Project Description: The Project will consist of mobilization, well drilling and development, temporary pipeline installations, installation of noise control sound barrier, fluid and cuttings containment, furnishing & installing well casing, gravel filter pack, and cement grout seal, well development & testing, disposal of drilling fluids and cuttings, site permits, site cleanup, and other requirements as described in the technical specifications.

Items of Work, including but not limited to: Trucking, Clearing & Grubbing, Construction Area Signs, Stainless Steel well casing & screen, Sand Filter Pack, Cement, Sanitary Facilities, Temporary Fencing, diesel fuel, site grading & leveling, etc.

Disadvantaged Business Enterprises will need to complete and sign the DBE Subcontractor Participation Form (Form 4500-2) and the DBE Subcontractor Performance Form (Form 4500-3)

All items are open for bid, including items of work normally performed by Zim Industries, Inc. Quotes will be broken down into comparable packages as reasonably necessary as Zim Industries, Inc. is willing to work with interested WMDVBE subcontractors to breakout any portion of work that is reasonably feasible to encourage WMDVBE and local hiring participation.

Requirements: Performance & Payment Bonds may be required for the full amount of the subcontract price. Subs must possess a valid contractor's license, DIR registration number, and Worker's Compensation, Auto, and Liability Insurance as required (see contract documents for all contract requirements). Subs will be required to sign the standard Zim Industries, Inc. Subcontract Agreement. Quotes must be valid for 120 days after the specified Contract Award Date by the Owner.

Plans and Specs: Available for your viewing at our office or can be emailed and/or made available via shared file storage upon request.

Please contact Zim Industries with any questions with bonding, insurance, necessary equipment, and job overview. Please email resumes/employment applications to apply for general laborer positions.

ZIM INDUSTRIES, INC.

4532 E Jefferson Ave., Fresno, CA 93725

Phone (559) 834-1551 Fax (559) 834-5156

Contact: Tina Daniel, Email: Tina@zimindustries.com

An Equal Opportunity Employer

CLIENT: ZIM Industries, Inc.

To : Boyd Z.

SIZE: 9" ad x 3 Days = 27"

Run Dates: 11/13, 14, 15 2018

RATE: \$331.00

TERMS: Net 30 days from Invoice Date.

SPECIAL INSTRUCTIONS:

APPROVAL: Please publish the attached advertisement in Daily Construction Service, Northern California Edition, per terms and conditions above. I have reviewed the ad copy and have marked any necessary corrections.

OK?

Signed: 

Date: 11/12/18

CLASSIFIEDS

REQUEST FOR ALL QUALIFIED SUBCONTRACTORS, SUPPLIERS & TRUCKERS INCLUDING WOMEN, MINORITY AND DISABLED VETERAN BUSINESS ENTERPRISES, AS WELL AS LOCAL MONTEREY AREA (MONTEREY COUNTY, SAN BENITO COUNTY, OR SANTA CRUZ COUNTY) SUBCONTRACTORS, SUB-CONSULTANTS, VENDORS, SUPPLIERS, AND LABOR FORCES FOR:

California American Water –
 Monterey Peninsula Water Supply Project
 Construction of Fitch Park ASR Wells 5 and 6
 located on former Fort Ord in Seaside, CA

BID DATE: NOVEMBER 15, 2018 BY 3:00 PM PST

Project Description: The Project will consist of mobilization, well drilling and development, temporary pipeline installations, installation of noise control sound barrier, fluid and cuttings containment, furnishing & installing well casing, gravel filter pack, and cement grout seal, well development & testing, disposal of drilling fluids and cuttings, site permits, site cleanup, and other requirements as described in the technical specifications.

Items of Work, including but not limited to: Trucking, Clearing & Grubbing, Construction Area Signs, Stainless Steel well casing & screen, Sand Filter Pack, Cement, Sanitary Facilities, Temporary Fencing, diesel fuel, site grading & leveling, etc.

Disadvantaged Business Enterprises will need to complete and sign the DBE Subcontractor Participation Form (Form 4500-2) and the DBE Subcontractor Performance Form (Form 4500-3)

All items are open for bid, including items of work normally performed by Zim Industries, Inc. Quotes will be broken down into comparable packages as reasonably necessary as Zim Industries, Inc. is willing to work with interested WMDVBE subcontractors to breakout any portion of work that is reasonably feasible to encourage WMDVBE and local hiring participation.

Requirements: Performance & Payment Bonds may be required for the full amount of the subcontract price. Subs must possess a valid contractor's license, DIR registration number, and Worker's Compensation, Auto, and Liability Insurance as required (see contract documents for all contract requirements). Subs will be required to sign the standard Zim Industries, Inc. Subcontract Agreement. Quotes must be valid for 120 days after the specified Contract Award Date by the Owner.

Plans and Specs: Available for your viewing at our office or can be emailed and/or made available via shared file storage upon request.

Please contact Zim Industries with any questions with bonding, insurance, necessary equipment, and job overview. Please email resumes/employment applications to apply for general laborer positions.

ZIM INDUSTRIES, INC.

4532 E Jefferson Ave., Fresno, CA 93725
 Phone (559) 834-1551 Fax (559) 834-5156

Contact: Tina Daniel, Email: Tina@zimindustries.com

An Equal Opportunity Employer

TAKE ADVANTAGE OF US

By taking advantage of
 "Today's Opportunities" pages!

To Assist in Reaching Good Faith Goals
 To Advertise for Qualified Sub-Contractors
 To Hire Estimators and Personnel

*Advertisements received by 3:00 P.M. will
 appear in the next day's issue.*

Vikki D' Armiento

(800) 242-9747

Fax: (800) 850-9009

**REQUEST FOR CERTIFIED DVBE
 SUBCONTRACTORS, SUPPLIERS & TRUCKERS
 FOR:**

Install RSP, Polyurethane Foam Injection and
 Drainage Systems
 State of California Department of Transportation
 Caltrans Contract No. 04-0J2104
 Pescadero, CA (San Mateo Co.)

BID DATE: NOVEMBER 15, 2018 AT 2:00 PM

Work types requested, but are not limited to, the following: Clearing and Grubbing, Cold Plane AC Pavement, Construction Area Signs, Construction Materials, Erosion Control, HMA Type A, Lead Compliance Plan, Portable Changeable Message Sign, Prepare WPCP, Rock Slope Protection, Street Sweeping, Striping Work, Structural Concrete, Temporary Erosion Control, Traffic Control System, and Trucking.

Plans and Specifications are available for review at our office, or can be downloaded online at the following website: <http://www.dot.ca.gov/des/oe/weekly-ads/specs-ntb.php?c=04-0J2104>

Call Serina Sirna for assistance in obtaining bonds, line of credit, insurance and scheduling accommodations.

GORDON N. BALL, INC.

Attn: Serina Sirna
 333 Camille Ave., Alamo, CA 94507
 Phone: (925) 838-5675 Fax: (925) 838-0814
estimating@ballconco.com

An Equal Opportunity Employer



**Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Utilization Form**

This form is intended to capture the prime contractor's actual and/or anticipated use of identified certified DBE¹ subcontractor's² and the estimated dollar amount of each subcontract. A Financial Assistance Agreement Recipient must require its prime contractors to complete this form and include it in the bid or proposal package. Prime contractors should also maintain a copy of this form on file.

Construction of Fitch Park ASR Wells 5 and 6

Prime Contractor Name <i>Zim Industries, Inc.</i>		Project Name <i>Monterey Peninsula Water Supply Project</i>	
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact <i>Curt Zimmerman</i>	
Address <i>4532 E. Jefferson Ave. Fresno, CA 93725</i>			
Telephone No. <i>(559) 834-1551</i>		Email Address <i>curt@zimindustries.com</i>	
Issuing/Funding Entity			

I have identified potential DBE certified subcontractors. YES NO
If yes, please complete the table below. If no, please explain:

Subcontractor Name/ Company Name	Company Address / Phone / Email	Estimated Dollar Amount	Currently DBE Certified?
<i>Millman Steel Inc.</i>	<i>1441 Wazee St, Suite 104; Denver, CO, 80202 (303) 770-8545 jamesgass@millmansteel.com</i>	<i>\$1,060,448⁵⁵</i>	<i>Yes</i>
<i>Sam's Equipment & Supplies</i>	<i>P.O. Box 7797; Fresno, CA 93727 (559) 252-0354 gabe.samsequipment@gmail.com</i>	<i>\$60,334⁵⁰</i>	<i>Yes</i>
<i>5C-Drilling & Transportation Services</i>	<i>9530 Hageman Rd, Suite B368 Bakersfield, CA 93312 (805) 401-0226 cami@5ch-inc.com</i>	<i>\$13,522⁰⁰</i>	<i>Yes</i>

--Continue on back if needed--

¹ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

² Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.



**Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Utilization Form**

This form is intended to capture the prime contractor's actual and/or anticipated use of identified certified DBE¹ subcontractor's² and the estimated dollar amount of each subcontract. A Financial Assistance Agreement Recipient must require its prime contractors to complete this form and include it in the bid or proposal package. Prime contractors should also maintain a copy of this form on file.

Construction of Fitch Park ASR Wells 5 and 6

Prime Contractor Name <i>Zim Industries, Inc.</i>		Project Name <i>Monterey Peninsula Water Supply Project</i>	
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact <i>Curt Zimmerer</i>	
Address <i>4532 E. Jefferson Ave Fresno, CA 93725</i>			
Telephone No. <i>(559) 834-1551</i>		Email Address <i>curt@zimindustries.com</i>	
Issuing/Funding Entity			

I have identified potential DBE certified subcontractors. YES NO
If yes, please complete the table below. If no, please explain:

Subcontractor Name/ Company Name	Company Address / Phone / Email	Estimated Dollar Amount	Currently DBE Certified?
<i>Pacific Surveys, LLC</i>	<i>4456 Via Saint Ambrose Claremont, CA 91711 (602) 919-7535 ship@pacificsurveys.com</i>	<i>\$18,297.30</i>	<i>No</i>

--Continue on back if needed--

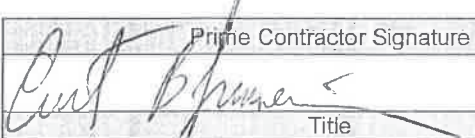
Continued

¹ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

² Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.

EXHIBIT A

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
	Curt B. Zimmerer
Title	Date
President	11-29-2018

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.

EXHIBIT A



Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form

This form is intended to capture the DBE¹ subcontractor's² description of work to be performed and the price of the work submitted to the prime contractor. A Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractor's bid or proposal package.

Subcontractor Name MILL MANSTEEL INC		Project Name MONTGOMERY WATER SUPPLY PROJECT	
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact JAMES GASS	
Address 1441 WAZEE ST, SUITE 104, DENVER CO. 80202			
Telephone No. 303-220-8645		Email Address jamesgass@millmansteel.com	
Prime Contractor Name ZIM INDUSTRIES, Inc.		Issuing/Funding Entity	


Contract Item Number	Description of Work Submitted from the Prime Contractor Involving Construction, Services, Equipment or Supplies	Price of Work Submitted to the Prime Contractor
	STAINLESS STEEL PIPE CARBON PIPE	\$1,060,448⁵⁵ USD
DBE Certified By: <u>DOT</u> <u>SBA</u> Other: <u>CA PUBLIC UTILITIES</u>		Meets/exceeds EPA certification standards? <input checked="" type="radio"/> YES <input type="radio"/> NO <input checked="" type="radio"/> Unknown


¹A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 83.204-83.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 83.202.

²Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.

EXHIBIT A

I certify under penalty of perjury that the foregoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 83 Section 83.802 (c).

Prime Contractor Signature	Print Name
	Curt B. Zimmerer
President - Zim Industries, Inc.	11-29-2018

Subcontractor Signature	Print Name
	JAMES GOSS
SALES	11/29/18

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.O. 20480. Do not send the completed form to this address.

FORM 4500-S (DBE Subcontractor Performance Form)

Revised 12/2016

EXHIBIT A



**Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form**

This form is intended to capture the DBE¹ subcontractor's² description of work to be performed and the price of the work submitted to the prime contractor. A Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractor's bid or proposal package.

Subcontractor Name Sam's Equipment & Supplies		Project Name Monterey Peninsula Water Supply Project	
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact	
Address P.O. Box 7797 Fresno, CA 93747-7797			
Telephone No. 559-252-0354		Email Address samsequipment@comcast.net	
Prime Contractor Name Zim Industries, Inc.		Issuing/Funding Entity	

Contract Item Number	Description of Work Submitted from the Prime Contractor Involving Construction, Services, Equipment or Supplies	Price of Work Submitted to the Prime Contractor
	3" stainless steel pipe	\$60,334.50
DBE Certified By: <input checked="" type="checkbox"/> DOT <input checked="" type="checkbox"/> SBA Other: <u>DGS</u>		Meets/exceeds EPA certification standards? <input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> Unknown

¹ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

² Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.

EXHIBIT A

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Print Name	Curt B. Zimmerman
Signature	<i>Curt B. Zimmerman</i>
Date	11-29-2018
Title	President - Zim Industries, Inc.

Print Name	Samuel Callison
Signature	<i>Sam Callison</i>
Date	11/29/2018
Title	Owner

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.

EXHIBIT A



**Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form**

This form is intended to capture the DBE¹ subcontractor's² description of work to be performed and the price of the work submitted to the prime contractor. A Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractor's bid or proposal package.

Subcontractor Name 5C Holdings Inc		Project Name Monterey Peninsula Water Supply	
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact Cami Hogg	
Address 9530 Hageman Rd B368 Bakersfield CA 93312			
Telephone No. 661 438 8392		Email Address Camu@5ch-inc.com	
Prime Contractor Name Fem Industries		Issuing/Funding Entity	

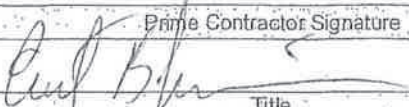
Contract Item Number	Description of Work Submitted from the Prime Contractor Involving Construction, Services, Equipment or Supplies	Price of Work Submitted to the Prime Contractor
	drilling & setting of conductors	\$13,522⁰⁰
DBE Certified By: <input type="checkbox"/> DOT <input checked="" type="checkbox"/> SBA Other: WBE		Meets/exceeds EPA certification standards? <input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> Unknown

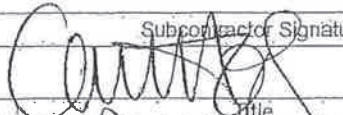
¹ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

² Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.

EXHIBIT A

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
	Curt B. Zimmerer
Title	Date
President - Zim Industries, Inc.	11-29-2018

Subcontractor Signature	Print Name
	Cam Hoggs
Title	Date
President	11-14-18

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.



**Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form**

This form is intended to capture the DBE¹ subcontractor's² description of work to be performed and the price of the work submitted to the prime contractor. A Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractor's bid or proposal package.

Subcontractor Name PACIFIC SURVEYS LLC		Project Name	
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact MICHAEL RIDDER	
Address 4456 VIA SAINT AMBROSE CLAREMONT, CA 91711			
Telephone No. 800 919 9555	Email Address SHR1 @ PACIFIC SURVEYS.COM		
Prime Contractor Name ZIM INDUSTRIES, INC.		Issuing/Funding Entity	

Contract Item Number	Description of Work Submitted from the Prime Contractor Involving Construction, Services, Equipment or Supplies	Price of Work Submitted to the Prime Contractor
	Logging	18,297.20
DBE Certified By: <input type="checkbox"/> DOT <input type="checkbox"/> SBA <input type="checkbox"/> Other _____		Meets/exceeds EPA certification standards? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Unknown <input type="checkbox"/>


N/A - PACIFIC SURVEYS IS NOT A DBE

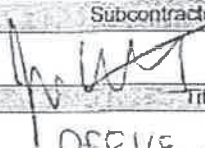
¹ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

² Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.

EXHIBIT A

I certify under penalty of perjury that the foregoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
	Curt B. Zimmerman
Title	Date
President - Zim Industries, Inc	11-29-2018

Subcontractor Signature	Print Name
	JOSH WINNAS
Title	Date
OFFICE MANAGER	11/13/2018

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.

FORM 4500-3 (DBE Subcontractor Performance Form)

Revised 12/2016

EXHIBIT A



**Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form**

This form is intended to capture the DBE¹ subcontractor's² description of work to be performed and the price of the work submitted to the prime contractor. A Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractor's bid or proposal package.

Subcontractor Name Sam's Equipment & Supplies		Project Name Monterey Peninsula Water Supply Project	
Bid / Proposal No.	Assistance Agreement ID No. (If known)	Point of Contact	
Address P.O. Box 7797 Fresno, CA 93747-7797			
Telephone No. 559-252-0354		Email Address samsequipment@comcast.net	
Prime Contractor Name Zim Industries, Inc.		Issuing/Funding Entity	

Contract Item Number	Description of Work Submitted from the Prime Contractor Involving Construction, Services, Equipment or Supplies	Price of Work Submitted to the Prime Contractor
DBE Certified By: <input checked="" type="checkbox"/> DOT <input checked="" type="checkbox"/> SBA Other: <u>DGS</u>		Meets/exceeds EPA certification standards? YES NO Unknown

¹ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

² Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.

EXHIBIT A

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	Date

Subcontractor Signature	Print Name
<i>Sam Callison</i>	Samuel Callison
Title	Date
Owner	11/29/2018

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.

BIDDER'S LIST

- Contractor is required to provide the following information for all DBE and non-DBE subcontractors, who provided a proposal, bid, quote, or were contacted by Contractor. This information must be submitted with Contractor's bid.

Prime Contractor: Zim Industries, Inc.
Project: Monterey Peninsula Water Supply Project
Construction of Fitch Park ASR Wells 5 and 6

Firm Name:	<u>Sam's Equipment & Supplies</u>	Phone:	<u>559-252-0354</u>
Business Address:	<u>P.O. Box 7797 Fresno, CA</u>		
Fax:	<u>559-251-1119</u>		
Email:	<u>samsequipment@comcast.net</u>		
License No. and Classification:	_____	Years In Business:	<u>18+ years</u>
Contact Person:	<u>Gabriel Callison</u>		
Is the firm currently certified as a DBE?	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	Cert. Number: <u>34479</u>
Type of work/ services/ materials proposed by bidder:	<u>Stainless steel pipe</u>		
Amount of Bid/Quote:	_____		
Date of Bid/Quote:	_____		

[Back To Query Form](#)

Search Returned 1 Records

Thu Jul 19 06:47:22 PDT 2018

Query Criteria

Certification Types: DBE

Firm ID: 34479

Firm ID	34479
DBA Name	SAM'S EQUIPMENT & SUPPLIES
Firm Name	SAM'S EQUIPMENT & SUPPLIES
Address	
Line1	5656 COLUMBIA DR
Address	
Line2	
City	SOUTH FRESNO
State	CA
Zip Code1	93727
Zip Code2	
Mailing	
Address	P.O. BOX 7797
Line1	
Mailing	
Address	
Line2	
Mailing City	FRESNO
Mailing State	CA
Mailing Zip	93747
Code1	
Mailing Zip	7797
Code2	
Certification	DBE
Type	
Email	samsequipment@comcast.net; sacallison@comcast.net
Contact Name	SAMUEL CALLISON
Area Code	559
Phone	
Number	251-1206
Extension	
Alt Area	
Code	
Alt Phone	
Number	
Extension	
Fax Area	
Code	559
Fax Phone	
Number	251-1119

Agency Name CITY OF FRESNO

Counties 00;

Districts 00;

DBE NAICS 423320; 423390; 423610; 423990; 532412;

ACDBE

NAICS

Work Codes

C0670 PIPE SUPPLIER; F5090 MISC DURABLE GOODS; C0683 GUARD
RAILINGS & BARRIERS SUPPLIER; I7380 MISC BUSINESS SERVICES; C0625
SAND & GRAVEL SUPPLIER; C0686 ELECTRICAL & SIGNALS SUPPLIER;
C0620 LANDSCAPING & NURSERY SUPPLIER;

Licenses

Trucks STANDARD DUMP TRUCK - 1; HAUL TRUCK - 1; WATER TRUCKS - 1;

Gender M

Ethnicity NATIVE AMERICAN

Firm Type DBE

[Back To Query Form](#)

Curt Zimmerer

From: Curt Zimmerer
Sent: Thursday, November 29, 2018 11:46 AM
To: 'gabe.samsequipment@gmail.com'
Subject: Request for DBE quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.
Attachments: 20181113113710962.pdf

Gabe,

Attached is the bid schedule and specs for a project bidding on 11-30-2018 in Monterey, CA. The attached PDF file contains a copy of the material specifications for the water well project bidding this Friday at the Monterey Peninsula Water Supply Project for the construction of Fitch Park ASR Wells 5 and 6. Zim Industries, Inc. is looking for DBEs to provide materials and services on this project. As a DBE your company qualifies as a DBE supplier for this project. Please provide a quotation for the materials listed on the attached PDF file. The well casing on this project is specified Roscoe Moss or equivalent type 304 stainless steel blank and wire-wrap screen supplier, but the conductor is specified A-139, Grade B low carbon steel. Please quote any materials that you are able to supply. Please include sales tax for Monterey County on your proposal. In addition, please fill out the information on the Bidder's List of Subcontractors DBE form. Also, please fill out and sign the DBE Subcontractor Performance Form. Finally, please provide proof of DBE current certifications and current declarations. This information is needed no later than 5:00 PM today as this project bids on November 30, 2018 and has to be federal expressed tonight. Thank you for your assistance and interest. This project requires the listing of WBE, MBE and other designated DVBE suppliers. We are definitely going to utilize the most competitive qualified WBE, MBE and DVBE supplier in our bid.

The 3.50-inch pipe will be Schedule 40 type 304 stainless steel pipe with the following dimensions:

3.50-inch OD (outside diameter)
.22-inch wall thickness
3.068-inch ID (inside diameter)
ASTM standard A-312 or A-778

I look forward to receiving your quote, certifications and bid forms required by this project.

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic

transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

BIDDER'S LIST

- Contractor is required to provide the following information for all DBE and non-DBE subcontractors, who provided a proposal, bid, quote, or were contacted by Contractor. This information must be submitted with Contractor's bid.

Prime Contractor: Zim Industries, Inc.
Project: Monterey Peninsula Water Supply Project
Construction of Fitch Park ASR Wells 5 and 6

Firm Name:	_____	Phone:	_____
Business Address:	_____	Fax:	_____
Email:	_____		
License No. and Classification:	_____	Years in Business:	_____
Contact Person:	_____		
Is the firm currently certified as a DBE?	<input type="checkbox"/> No <input type="checkbox"/> Yes Cert. Number: _____		
Type of work/ services/ materials proposed by bidder:	_____ _____ _____		
Amount of Bid/Quote:	_____		
Date of Bid/Quote:	_____		

EXHIBIT A



**Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form**

This form is intended to capture the DBE¹ subcontractor's² description of work to be performed and the price of the work submitted to the prime contractor. A Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractor's bid or proposal package.

Subcontractor Name		Project Name	
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact	
Address			
Telephone No.		Email Address	
Prime Contractor Name		Issuing/Funding Entity	

Contract Item Number	Description of Work Submitted from the Prime Contractor Involving Construction, Services, Equipment or Supplies	Price of Work Submitted to the Prime Contractor
DBE Certified By: <input type="checkbox"/> DOT <input type="checkbox"/> SBA Other: _____		Meets/exceeds EPA certification standards? YES NO Unknown

¹ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

² Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.

EXHIBIT A

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	Date

Subcontractor Signature	Print Name
Title	Date

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.

FORM 4500-3 (DBE Subcontractor Performance Form)

**CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6**

BID SHEET for FITCH PARK ASR-5 AND ASR-6 CONSTRUCTION

BID ADDENDUM NO. 3

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
1	Mobilization	Lump Sum	Lump Sum	\$	\$	\$
2	Noise Control / Sound Barrier	Linear Feet	500	\$	\$	\$
3	36-Inch Diameter Carbon Steel Conductor Casing	Linear Feet	55	\$	\$	\$
4	Pilot Bore Drilling	Linear Feet	1065	\$	\$	\$
5	Geophysical Logging	Lump Sum	Lump Sum	\$	\$	\$
6	Pilot Bore Reaming	Linear Feet	1065	\$	\$	\$
7	Caliper Survey	Lump Sum	Lump Sum	\$	\$	\$
8.1	22-inch Diameter Stainless Steel Blank Casing	Linear Feet	760	\$	\$	\$
8.2	20-inch Diameter Stainless Steel Wire Wrapped Screen	Linear Feet	300	\$	\$	\$
8.3	20-inch Diameter Stainless Steel Blank Casing	Linear Feet	20	\$	\$	\$
8.4	20-inch Diameter Stainless Steel Cellar with Bullnose	Lump Sum	20	\$	\$	\$
8.5	3-inch Diameter Stainless Steel Gravel Tremie Pipe	Linear Feet	750	\$	\$	\$
8.6	3-inch Diameter Stainless Steel Sounding Pipe	Linear Feet	760	\$	\$	\$
8.7	3-inch Diameter Stainless Steel Casing Vent Pipe	Lump Sum	Lump Sum	\$	\$	\$
9	Gravel Pack	Linear Feet	390	\$	\$	\$
10	Cement Grout	Linear Feet	730	\$	\$	\$
11.1	Mechanical Development	Hours	85	\$	\$	\$
11.2	Pumping Development	Hours	100	\$	\$	\$
11.3	Additional Mechanical Development	Hours	XX Hours	\$	XXXX	XXXX
11.4	Additional Pumping Development	Hours	XX Hours	\$	XXXX	XXXX

CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
12	Production Testing	Hours	16	\$	\$	\$
13	Disinfection of Well	Lump Sum	Lump Sum	\$	\$	\$
14	Wellhead Completion and Installation of Pump/Motor and FCV Assembly	Lump Sum	Lump Sum	\$	\$	\$
14.A	Well Pump/Motor and FCV Assembly	Allowance	Allowance	\$300,000	\$300,000	\$600,000
14.B	Percent Markup Over Invoiced Cost for Well Pump/Motor and FCV Assembly	Percent	Percent	%	%	%
14.C	Markup Amount (amount entered in 14.A times percent entered in 14.B)	Lump Sum	Lump Sum	\$	\$	\$
15	Downhole Velocity Surveys	Lump Sum	Lump Sum	\$	\$	\$
16	Acceptance Video Surveys	Lump Sum	Lump Sum	\$	\$	\$
17	Plumbness and Alignment	Lump Sum	Lump Sum	\$	\$	\$
18	Standby Time	Hours	XX Hours	\$	XXXX	XXXX
19	Site Cleanup	Lump Sum	Lump Sum	\$	\$	\$
20	Fluid and Cuttings Containment and Disposal	Lump Sum	Lump Sum	\$	\$	\$
21	Temporary Discharge Pipeline	Lump Sum	Lump Sum	\$	XXXX	\$
22	Traffic Control Plan	Lump Sum	Lump Sum	\$	\$	\$
23	Connect pipe extension & valves to Temporary Water Supply, and construction water consumption	Allowance	Allowance	\$	\$10,000	\$20,000
24	Temporary 7' height Perimeter Site Security, Chain Link Fencing & Double Leaf Gates, lockable	Lump Sum	Lump Sum	\$	\$	\$
25	Community Outreach Plan & Attend Meetings	Allowance	Allowance	\$	\$3000	\$6000
26	Prepare & implement BMP's and Storm Water Pollution Prevention Plan (SWPPP)	Lump Sum	Lump Sum	\$	\$	\$
Total Amount Bid:					\$	\$

CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
Total In Words:						

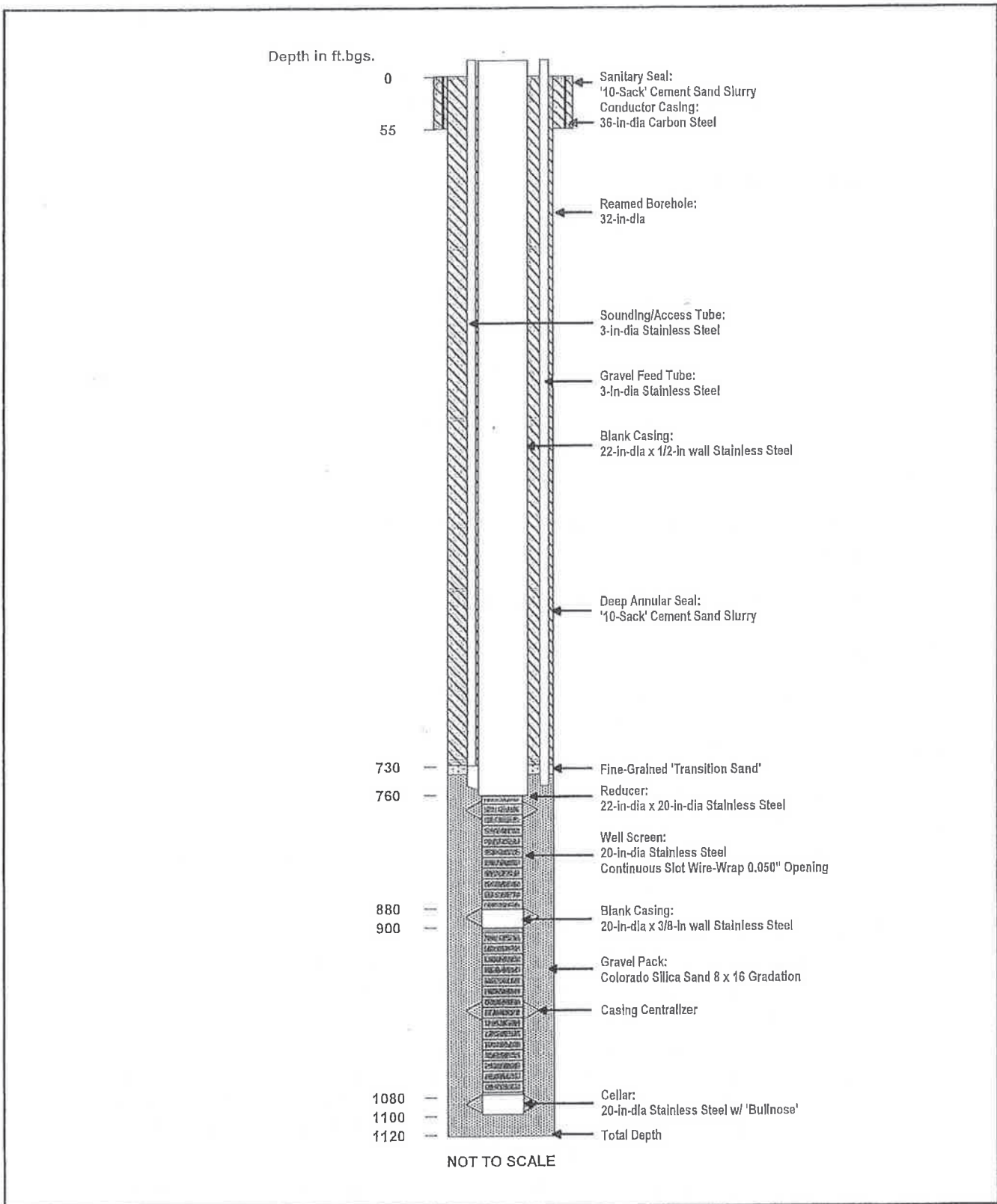


FIGURE 3. PRELIMINARY WELL DESIGN SCHEMATIC
 Fitch Park ASR-5 and ASR-6 Project
 California American Water

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



The drill rig utilized must have the ability to fully lift and land the anticipated casing loads without the use of float plugs or other similar methods. All drill pipe must utilize threaded flush or upset tool joints, or equal, as approved by the Owner's Technical Representative (OTR).

SECTION 105 - CONSTRUCTION SCHEDULE

Construction activities are anticipated to start in **4th Quarter 2018** following approval of the project.

Drilling efficiency and rapid advance rates both for the pilot hole and reamed borehole are critical to the successful completion of hydraulically efficient wells. Accordingly, the Contractor shall conduct construction operations on a 24-hour per day, 7-day per week basis, and without significant delays, starting with the commencement of pilot hole drilling (after setting the surface conductor casing) and continuing until the initial mechanical development of the well (airlift swabbing) is completed. Work must begin within thirty (30) consecutive calendar days of notice to proceed and all work must be completed within one hundred eighty (180) calendar days from the commencement of work activities.

A construction schedule must be submitted with the bid in order for the bid to be considered responsive.

SECTION 106 - OVERVIEW OF WORK TO BE DONE

SECTION 106.1 - REQUIREMENTS OF WORK

Work includes the furnishing of all materials, labor, equipment, fuel, tools, transportation, and services for drilling, construction, development, testing, and completion of the well as described in these specifications.

While the final design of the wells may change, the general work required applicable to **each** of the project wells include:

- 1) The Contractor shall obtain the necessary well drilling permits from the County of Monterey Environmental Health Department.
- 2) Move equipment on (and off) of the site.
- 3) Furnish and install a temporary sound barrier. The sound barrier shall be a minimum 24 feet high, approximately 500 lineal feet, with minimum sound transmission class (STC) rating of 25.
- 4) Drill and install a 36-inch outside diameter, steel conductor (surface) casing to a total depth of 55 feet, below ground surface (bgs). The borehole for the conductor casing shall have a minimum diameter of 46 inches. Place a cement-grout annular seal in the space between the conductor casing and the borehole wall, from the bottom of the conductor casing to the ground surface.
- 5) Drill a pilot borehole to a total depth of 1,120 feet bgs (total footage of 1,065 feet, starting at the base of the conductor casing of 55 feet, bgs). Pilot borehole shall have

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



- a maximum diameter of 18 inches. Collect drill cuttings, and maintain a detailed pipe tally, drilling time log, drilling fluid log, and drill cuttings log.
- 6) Provide for, and assist with, a geophysical borehole log of the pilot bore using spontaneous potential (SP), resistivity, and natural gamma surveys of the pilot hole.
 - 7) Ream pilot bore to a diameter of 32 inches to a total depth of 1,120 feet (total ream footage of 1,065 feet).
 - 8) Install well casing and screen, in accordance with the following schedule: 1) 760 feet of 22-inch diameter, stainless steel (Type 304) blank casing; 2) 300 feet of 20-inch diameter, stainless steel (Type 304) wire-wrapped well screen; 3) 20 feet of 20-inch diameter, stainless steel (Type 304) blank casing (20-ft separation between two screened sections) and 4) 20 feet of 20-inch diameter, stainless steel (Type 304) blank cellar pipe with a bullnose.
 - 9) Install 3-inch diameter, stainless steel (Type 304) gravel feed and sounding tubes to depths of approximately 750 feet bgs and 760 feet bgs, respectively.
 - 10) Install gravel pack from the bottom of the reamed hole up to a depth of approximately 735 feet below ground surface.
 - 11) Place approximately 5 feet of 'transition' sand above the top of the gravel pack.
 - 12) Place approximately 730 feet of cement grout sanitary seal.
 - 13) Develop the well by air-lifting/swabbing and pumping.
 - 14) Provide and install temporary discharge piping for conveying water produced during development and test pumping to a surface spreading location.
 - 15) Install and remove test pump for final development and well performance aquifer testing.
 - 16) Provide for, and assist with, conducting velocity (spinner) survey during step production testing.
 - 17) Provide for, and assist with, conducting an alignment survey of the completed well.
 - 18) Provide for, and assist with, conducting an acceptance video survey of the completed well.
 - 19) Disinfect the well.
 - 20) Provide wellhead completion, pump foundation and permanent pump assembly.
 - 21) Provide temporary discharge piping and energy dissipater(s) for development and test pumping discharges.
 - 22) Clean up the sites.
 - 23) Contain and legally dispose drilling fluids and cuttings offsite.
 - 24) Fulfill all well drilling permit requirements, including the preparation and filing of a Department of Water Resources Well Completion Report.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



The tentative casing schedules for the FP ASR-5 and ASR-6 wells is as follows:

Interval (depth in ft below ground surface)	Material
0 to 760	22-inch diameter, 1/2-inch wall thickness, TYPE 304 STAINLESS STEEL blank casing
760 to 880	20-inch diameter, TYPE 304 STAINLESS STEEL wire-wrapped well screen, with 0.050-inch slots
880 to 900	20-inch diameter, 3/8 wall thickness, TYPE 304 STAINLESS STEEL blank casing
900 to 1080	20-inch diameter, TYPE 304 STAINLESS STEEL wire-wrapped well screen, with 0.050-inch slots
1080 to 1100	20-inch diameter, 3/8 wall thickness, TYPE 304 STAINLESS STEEL blank cellar with bullnose

A depiction of the proposed FP ASR-5 and ASR-6 wells is presented on **Figure 3**. The Contractor is advised that the proposed design of the wells presented above is based on information available at the time of development of these specifications. Although no significant changes are anticipated, the final designs of the wells may be altered based on the conditions at the site as determined through the pilot hole drilling and the new geophysical surveys.

SECTION 107 - OTHER WORK REQUIRED

In addition to the work described in Section 106, the Contractor will be responsible for other work that will be required during the construction of the well.

The Contractor shall contact Underground Services Alert (USA) at least 3 days prior to any drilling or excavation at the site.

The Contractor shall prepare the site in a manner as to provide adequate work space, safe working conditions, site ingress/egress and sufficient containment and storage of drilling cuttings and fluids. The Contractor shall also implement, install, and maintain Best Management Practices (BMPs) for the control of nuisance water and storm water. The BMPs shall be adequate to prevent erosion and runoff of sediment laden water from the work site. During construction, washing of concrete trucks, equipment, or similar activities shall occur only in areas where wash water can be contained on site.

The Fitch Park ASR sites contain numerous trees and shrubs that may need to be removed or trimmed in order to provide sufficient unobstructed space for equipment and materials. Prior to Contractor mobilization, OWNER will retain an arborist to trim or remove trees and/or shrubs, and to identify which plant species require protection during project activities. If required, OWNER will install protective fencing around sensitive plants or trees. It shall be the Contractor's responsibility to avoid protected areas and maintain the protective fencing during the course of the project.

**SECTION 203 - CONDUCTOR (SURFACE) CASING****203 - CONDUCTOR (SURFACE) CASING, BID ITEM NO. 3****SCOPE**

The Contractor shall furnish all equipment, material, and work necessary to install the surface conductor casing as shown on the Drawings and specified herein. Prior to drilling of the pilot hole, the Contractor shall bore a 42-inch-minimum-diameter hole from ground surface to a depth of 55 feet bgs, or as directed by the OTR, in which a surface conductor casing shall be installed.

MATERIALS

The conductor casing shall be a minimum 36 inches outside-diameter steel pipe having a wall thickness of not less than 0.375-inch (3/8-inch) and a below ground length of not less than 55 feet. Conductor casing shall be manufactured in accordance with ASTM Designation A-139, Grade B, without copper. All joints in the conductor casing shall be securely welded and shall be watertight.

Cement grout shall be composed of not more than 3 cubic feet of sand and 1 cubic foot (one sack) of Portland cement to 5 to 7 gallons (0.67 to 0.90 cubic feet) of clean water. This is typically considered to be a 10-sack Portland cement sand slurry mix when ordered from batching plants. Bentonite, to make the mix more fluid and reduce shrinkage, may be used to a total of 5 percent (5%) of the volume of the cement. If 5 percent bentonite is used, water content can be increased to 8.2 gallons per sack of cement.

PLACEMENT

Prior to drilling the conductor casing holes, the Contractor shall pothole the hole locations prior to installation to ensure no underground utilities will be impacted. During placement of the conductor casing, field joints shall be either collared or plain-end, and welded together. Centering guides shall be welded to the conductor casing with a minimum of two sets of guides (one near the bottom and one near the top). Each set will consist of three guides equally spaced circumferentially.

After the conductor casing has been installed, cement grout shall then be injected in the annular space between the inner casing and the borehole from bottom to top by means of a tremie pipe. Cement grout material shall be placed by the positive displacement pumping method in one continuous operation. Upon completion of cementing, concrete shall be visible above the surface of the ground outside the conductor casing. After cementing operations are completed, the concrete shall be left undisturbed for a period of not less than 12 hours before drilling is resumed.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



MEASUREMENT AND PAYMENT

Full compensation for doing all work and furnishing all materials necessary to manufacture, deliver, and install the 36-inch surface conductor casing as specified shall be included in the unit bid price per linear foot for "Conductor (Surface) Casing" - Bid Item No. 3.

ATTACHMENT C

California American Water
 Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
 May 2017



SECTION 208 - WELL CASINGS AND SCREENS

208 - WELL CASINGS AND SCREENS - BID ITEM NOS. 8.1 THROUGH 8.7

SCOPE

The Contractor shall furnish all materials and work necessary to manufacture, deliver, and install well casing, reducers, screens, cellar pipes and caps, tremie pipes and sounding pipes as shown on the drawings and in accordance with these Specifications.

Quantity (Linear Feet)	Item	Bid Item No.
760	22-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CASING	8.1
300	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL WIRE-WRAP WELL SCREEN, 0.050-INCH SLOTS	8.2
20	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CASING	8.3
20	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CELLAR WITH BULLNOSE	8.4
750	3-INCH-DIAMETER, STAINLESS STEEL PERMANENT GRAVEL TUBE	8.5
760	3-INCH-DIAMETER, STAINLESS STEEL PERMANENT SOUNDING TUBE	8.6
3	3-INCH-DIAMETER, TYPE 304 STAINLESS STEEL CASING VENT PIPE	8.7

MATERIALS

22-Inch-Inside-Diameter Stainless Steel Blank Well Casing. The 22-inch diameter blank casing shall be of TYPE 304 stainless steel construction, in accordance with ASTM A-312 or A-778, with minimum 0.5-inch (1/2-inch) wall thickness.

20-Inch-Nominal-Diameter Stainless Steel Wire Wrapped Well Screen. Well screen shall be 20-inch-nominal-diameter stainless steel, TYPE 304. Screen opening width shall be 0.050-inch. The well screen shall be of the continuous slot, welded, wire-wrapped design, and of construction to provide sufficient tensile and collapse strength. Vertical rods shall be 0.25-inch diameter and consist of 84 rods circumferentially (minimum). For the No. 50 slot screen (0.050-inch), the minimum open area requirement is 155 square inches per linear foot. The tolerance for the final slot size selected shall be ±0.005 inches. It is the Contractor's sole

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



responsibility to ensure the well screen has sufficient tensile and collapse strength to be assembled, landed, and installed without damage to casing, screen, or borehole.

20-Inch-Nominal-Diameter Stainless Steel Blank Well Casing. The 20-inch diameter blank casing shall be of TYPE 304 stainless steel construction, in accordance with ASTM A-312 or A-778, with minimum 0.375-inch (3/8-inch) wall thickness.

20-Inch-Nominal Diameter Stainless Steel Cellar Pipe and Cap. The stainless steel cellar pipe shall be 20-inch-nominal-diameter in size and 20 feet in length, and manufactured of TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778. The wall thickness shall be minimum 0.375-inches (3/8-inches). The bottom of the well casing shall be fitted with a bullnose plug welded in place.

3-Inch-Inside-Diameter Stainless Steel Gravel Feed Tube. A permanent gravel tremie pipe shall be installed. The tremie pipe will be manufactured of TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778, and extend to a depth of approximately 750 feet bgs, as shown on Figure 3.

3-Inch-Inside-Diameter Stainless Steel Sounding Tube. The sounding tube shall consist of 3-inch-inside-diameter, TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778 and extend to a depth of approximately 760 feet bgs, as shown on Figure 3.

3-Inch-Inside-Diameter Stainless Steel Chlorination Access Pipe. A permanent access pipe shall be installed. The access pipe will be constructed of 3-inch-inside-diameter, TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778.

Upon completion of reaming the pilot bore, the Contractor shall install the well screen and casing at intervals as determined by the OTR. The proposed well design is shown on Figure 3. The final design will be established upon review of the pilot hole geophysical log.

The casing and screen shall be plumb and shall be centered in the hole. All field joints shall be properly lapwelded during installation with a minimum of two passes per circumference. Centralizers with 120-degree spacing, attached directly to the casing and screen by welding at intervals of not more than 60 feet within the screened casing and at intervals of not more than 80 feet within the blank casing shall be provided in order to center and hold the casing in the proper position until the gravel is in place. The centralizers shall be of the same material used in each casing or screen interval. Casing centralizers shall be placed up to a depth of approximately 80 feet below ground surface.

The casing shall be suspended in tension from the surface by means of an appropriate hanger or clamp. The bottom of the casing shall be at a sufficient distance above the bottom of the reamed hole to ensure that none of the casing will be supported from the bottom of the hole. The use of float plugs to land and set casing will not be permitted.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



A construction tremie pipe will be installed to place the gravel pack and the cement grout in the annulus. Prior to final gravel packing operations, the permanent gravel tremie pipe will be installed. The remainder of the gravel will then be installed. The top of the permanent tremie pipe will extend a minimum of 20 inches above ground surface and be equipped with a screw-on cap. The gravel tube shall not be 'topped off' with gravel, but shall be left empty. The Contractor shall ensure that the permanent gravel tube is maintained free and clear through cementing operations by continuously running clear water through the permanent gravel tube during gravel packing and cementing operations.

A permanent sounding pipe will be connected to the casing at the approximate location shown on **Figure 3** and will be lowered simultaneously with the emplacement of the casing. The sounding pipe will be provided with a minimum 6-foot-long reinforced connection (entry box) to the steel casing, as shown on **Figure 4**. The bottom of the entry box shall be between 12 and 24 inches from the bottom of the blank casing joint to which it is attached. The inside joined surfaces of the entry box and casing shall be filled and ground smooth to the satisfaction of the OTR so as to not damage downhole wirelines and associated tools (e.g., video cameras, spinner tools, etc.). Ground surface orientation of the gravel and sounding tubes shall be 90 degrees apart as shown on **Figure 5**. The top of the sounding pipe shall be terminated as shown on **Figure 5**.

A permanent casing vent pipe will be connected to the casing as shown on **Figure 5**.

The top of the casing will be provided with a welded cap at all times when personnel are not on the site.

All casing material shall be new.

If, for any reason, the casing cannot be landed in the correct position or at a depth acceptable to the OTR, or any of the casings should collapse prior to well completion, the Contractor shall construct another well immediately adjacent to the original location and complete this well in accordance with the specifications at no additional cost to OWNER. The abandoned hole shall be sealed in accordance with directions from OWNER and in accordance with any laws pertaining to proper well abandonment.

All work required to be repeated and all additional materials, labor, and equipment required, shall be furnished at the expense of the Contractor and no claim for additional compensation shall be made or be allowed, except as specifically provided herein.

All field welding shall be performed in accordance with American Welding Society Standards by a certified welder.

The following field welding procedures shall apply:

- A length shall be lowered into the well with the collar facing upward.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



- The plain end of the following length shall be inserted in the collar. True contact of the two joints must be verified by observation through the inspection windows.
- Spot welds shall be placed through the three windows in order to hold the contact position.
- A fillet type weld shall be made covering the top edge of the collar continuously for the entire circumference. Two passes or welds shall be applied to 5/16-inch and thicker wall material.
- The inspection windows on blank casing sections shall be seal-welded to assure a leak-proof connection.

The following electrodes shall be utilized for various casing and screen materials.

Mild Steel	E-6011 or E-7018
Copper Bearing Steel	E-6011 or E-7018
Low Alloy Steel (ASTM A242 or equivalent)	E-7018
Stainless Steel (Type 304)	E-308L-16

Depending on wall thickness, the following electrode sizes shall apply:

<u>Wall Thickness</u>	<u>Electrode Size</u>
1/8-inch	1/8-inch
3/16- to 1/4-inch	5/32- to 3/16-inch
over 1/4-inch	3/16- to 1/4-inch

TESTING

Not applicable.

SUBMITTALS

The Contractor shall supply the OTR with an affidavit of compliance stating the casing, screen, pipe and cap comply with the applicable requirements of ASTM Standards. Contractor shall also submit qualifications and evidence of current certification of the welder(s).

MEASUREMENTS

For the purposes of payment, measurements of casing, screen, and pipes, shall be per linear foot.

PAYMENT

Full compensation for doing all work and furnishing all materials necessary to manufacture, deliver, and install well casing and screens as shown on the drawings and as specified shall be included in the unit price bid per linear foot for: 22-Inch-Inside-Diameter

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



Stainless Steel Blank Casing - Bid Item No. 8.1; 20-Inch-Nominal-Diameter Stainless Steel Wire-Wrapped Well Screen - Bid Item No. 8.2; 20-Inch-Nominal-Diameter Stainless Steel Blank Casing - Bid Item No. 8.3; 20-Inch-Nominal-Diameter Stainless Steel Cellar and Bullnose - Bid Item No. 8.4; 3-Inch-Inside-Diameter Stainless Steel Gravel Tube - Bid Item No. 8.5; 3-Inch-Inside Diameter Stainless Steel Sounding Tube - Bid Item No. 8.6; and 3-Inch-Inside Diameter Stainless Steel Access Pipe - Bid Item No. 8.7.

Curt Zimmerer

From: James Goss <jamesgoss@millmansteel.com>
Sent: Thursday, November 29, 2018 12:40 PM
To: Curt Zimmerer
Subject: Quote
Attachments: 20181129132854909.pdf; Zim Industries 11-29-18.docx

Here you are Curt, I think this should cover it.

Mill Man Steel, Inc.
jamesgoss@millmansteel.com
(P) 303-220-8545
(F) 303-825-1749
(C) 909-260-5010

"The Good Service People"
A Native American Woman Owned Business Enterprise

-----Original Message-----

From: james goss [mailto:jamesgoss@millmansteel.com]
Sent: Thursday, November 29, 2018 11:29 AM
To: James Goss
Subject:

This E-mail was sent from "RNPB240D8" (Aficio MP C3000).

Scan Date: 11.29.2018 13:28:54 (-0500)

Mill Man Steel, Inc.
1441 Wazee St. #104
Denver, CO 80202
Phone: (303) 220-8545
Fax: (303) 220-5663

Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725

Dear: Curt

Mill Man Steel Inc. is pleased to offer the following material.

1,520FT- 22"OD x .500W New TP304/TP304L (A312/SA312) PE 30'-48ft random lengths
\$522.40FT

80FT- 20"OD x .375W TP304/TP304L (A312/SA312) PE DRL
\$250.00FT

3,040FT- 3" (3.5"OD) x .216 (SCH40) TP304/TP304L (A312/SA312M) 20'-21ft lengths, with weld collar installed.
\$21.60FT

110FT- 36" OD x .375" wall ASTM A139 Grade B, @ 40ft lengths PEB
\$137.30FT

600FT- 20"OD stainless steel type 304L continuous wire wrap screen, 0.183" Tri-Wire, 0.250" round rod, 0.050" slot opening
\$219.35FT

2PC-22" to 20" SST 304 Reducer
\$6,526.35EA

15pcs- SST 304 Casing guides, 3" bend
\$25.30EA

2PC- 20" STD 304L Weld Cap
\$465.95EA

Monterey CA Sales Tax- \$91,069.05

Please allow 14-16 weeks for delivery of 22" material.

Price is delivered Monterey, CA

****Material is subject to prior sale, and lead time subject to change based on production schedule at time of order. Above pricing is based on footage quoted, subject to change if quantity changes.**

****Please note pricing is subject to change, and must be confirmed at time of order due to section 232 complications**

****Please note all items are combined for pricing, selective purchase of individual items may affect price.**

Thank you for allowing us to quote your steel pipe requirements.

Sincerely, James Goss

BIDDER'S LIST

Contractor is required to provide the following information for all DBE and non-DBE subcontractors, who provided a proposal, bid, quote, or were contacted by Contractor. This information must be submitted with Contractor's bid.

Prime Contractor: Zim Industries, Inc.
Project: Monterey Peninsula Water Supply Project
Construction of Fitch Park ASR Wells 5 and 6

Firm Name:	<u>MILLMAN STEEL, INC.</u>	Phone:	<u>303-820-8545</u>
Business Address:	<u>1441 WARE ST, SOUTH 104</u>	Fax:	<u>303-825-1745</u>
Email:	<u>jamie@millmansteel.com</u>		
License No. and Classification:	_____	Years in Business:	<u>29</u>
Contact Person:	<u>JAMES GROSS</u>		
Is the firm currently certified as a DBE?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	Cert. Number:	_____
Type of work/ services/ materials proposed by bidder:	<u>STAINLESS STEEL</u>		
	<u>CARBON PIPE</u>		
Amount of Bid/Quote:	<u>\$ 1,040,789.10 USD</u>		
Date of Bid/Quote:	<u>11/29/18</u>		

EXHIBIT A



Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form

This form is intended to capture the DBE¹ subcontractor's² description of work to be performed and the price of the work submitted to the prime contractor. A Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractor's bid or proposal package.

Subcontractor Name MILL MANSTEEL INC		Project Name MONTREY WATER SUPPLY PROJECT	
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact JAMES GROSS	
Address 1441 WAZEE ST, SUITE 104, DENVER CO. 80202			
Telephone No. 303-220-8645		Email Address jamesgross@millmansteel.com	
Prime Contractor Name ZIM INDUSTRIES		Issuing/Funding Entity	

Contract Item Number	Description of Work Submitted from the Prime Contractor Involving Construction, Services, Equipment or Supplies	Price of Work Submitted to the Prime Contractor
	STAINLESS STEEL PIPE CARBON PIPE	\$1,040,789.10 USD
DBE Certified By: <input type="checkbox"/> DOT <input type="checkbox"/> SBA Other: CA PUBLIC UTILITIES		Meets/exceeds EPA certification standards? YES NO Unknown


¹ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 83.204-83.205 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 83.202.

² Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.

EXHIBIT A

I certify under penalty of perjury that the foregoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 83 Section 83.802 (c).

Subcontractor Signature	Print Name

Subcontractor Signature	Print Name
	JAMES GOSS
SALES	11 / 29 / 18

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.

FORM 4500-3 (DBE Subcontractor Performance Form)

Revised 12/2016

Curt Zimmerer

From: James Goss <jamesgoss@millmansteel.com>
Sent: Thursday, November 29, 2018 9:46 AM
To: Curt Zimmerer
Subject: Quote
Attachments: 20181129104144752.pdf

Hi Curt, see attached. I think I have everything included in this.

Mill Man Steel, Inc.
jamesgoss@millmansteel.com
(P) 303-220-8545
(F) 303-825-1749
(C) 909-260-5010

"The Good Service People"
A Native American Woman Owned Business Enterprise

-----Original Message-----

From: james goss [mailto:jamesgoss@millmansteel.com]
Sent: Thursday, November 29, 2018 8:42 AM
To: James Goss
Subject:

This E-mail was sent from "RNPB240D8" (Aficio MP C3000).

Scan Date: 11.29.2018 10:41:44 (-0500)

Mill Man Steel, Inc.
1441 Wazee St. #104
Denver, CO 80202
Phone: (303) 220-8545
Fax: (303) 220-5663

Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725

Dear: Curt

Mill Man Steel Inc. is pleased to offer the following material.

760FT- 22"OD x .500W New TP304/TP304L (A312/SA312) PE 30'-48ft random lengths
\$522.40FT

1,520FT- 3" (3.5"OD) x .216 (SCH40) TP304/TP304L (A312/SA312M) 20'-21ft lengths, with weld collar installed.
\$21.60FT

55FT- 36" OD x .375" wall ASTM A139 Grade B, @ 40ft lengths PEB
\$137.30FT

300FT- 20"OD stainless steel type 304L continuous wire wrap screen, 0.183" Tri-Wire, 0.250" round rod, 0.050" slot opening
\$219.35FT

1PC-22" to 20" SST 304 Reducer
\$6,526.35EA

15pcs- SST 304 Casing guides, 3" bend
\$25.30EA

Monterey CA Sales Tax- \$44,635.36

Please allow 14-16 weeks for delivery of 22" material.

Price is delivered Monterey, CA

****Material is subject to prior sale, and lead time subject to change based on production schedule at time of order. Above pricing is based on footage quoted, subject to change if quantity changes.**

****Please note pricing is subject to change, and must be confirmed at time of order due to section 232 complications**

****Please note all items are combined for pricing, selective purchase of individual items may affect price.**

Thank you for allowing us to quote your steel pipe requirements.

Sincerely, James Goss

BIDDER'S LIST

- Contractor is required to provide the following information for all DBE and non-DBE subcontractors, who provided a proposal, bid, quote, or were contacted by Contractor. This information must be submitted with Contractor's bid.

Prime Contractor: Zim Industries, Inc.
Project: Monterey Peninsula Water Supply Project
Construction of Fitch Park ASR Wells 5 and 6

Firm Name:	<u>MILL MAN STEEL, INC</u>	Phone:	<u>303-220-8645</u>
Business Address:	<u>1441 WAZEE ST, SUITE 104</u>	Fax:	<u>303-825-1745</u>
Email:	<u>Jamesgoss@millmansteel.com</u>		
License No. and Classification:		Years in Business:	<u>29</u>
Contact Person:	<u>JAMES GOSS</u>		
Is the firm currently certified as a DBE?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Cert. Number: _____		
Type of work/ services/ materials proposed by bidder:	<u>STAINLESS STEEL</u>		
Amount of Bid/Quote:	<u>\$510,118.35 USD</u>		
Date of Bid/Quote:	<u>11/29/18</u>		

EXHIBIT A



Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form

This form is intended to capture the DBE¹ subcontractor's² description of work to be performed and the price of the work submitted to the prime contractor. A Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractor's bid or proposal package.

Subcontractor Name MILL MANSTEEL INC		Project Name MONTREY WATER SUPPLY PROJECT	
Bld / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact JAMES GOSS	
Address 1441 WAZEE ST. SUITE 104 DENVER CO. 80202			
Telephone No. 303-220-8645		Email Address jamesgoss@millmansteel.com	
Prime Contractor Name ZIM INDUSTRIES		Issuing/Funding Entity	

Contract Item Number	Description of Work Submitted from the Prime Contractor Involving Construction, Services, Equipment or Supplies	Price of Work Submitted to the Prime Contractor
	STAINLESS STEEL PIPE	\$ 510,118.35 USD
DBE Certified By: <input type="checkbox"/> DOT <input type="checkbox"/> SBA Other: CA PUBLIC UTILITIES		Meets/exceeds EPA certification standards? YES NO Unknown


¹ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

² Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.

EXHIBIT A

I certify under penalty of perjury that the foregoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	Date

Subcontractor Signature	Print Name
	JAMES GOSS
Title	Date
SALES	11 / 29 / 18

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.

FORM 4500-3 (DBE Subcontractor Performance Form)

Revised 12/2016

Curt Zimmerer

From: Curt Zimmerer
Sent: Wednesday, November 28, 2018 4:19 PM
To: James Goss
Subject: RE: Quote for both wells 5 and 6 for the Fitch Park ASR Well Project for Monterey Peninsula Water Supply Project.
Attachments: 20181128161220783.pdf; 20181128161230273.pdf

James,

As discussed this afternoon, this bid date has been extended to this Friday, November 30, 2018. Please confirm quote is still valid. In addition, please include the following quantities in your quote. The quotes for the conductor and wire-wrap screen from Roscoe Moss; and the quotes for the 20" blank casing, 20" weld end cap and 3" casing and vent pipe from Kelly Pipe are attached for your reference. Please provide us with a total quote for all items (both provided directly from you and purchased from Roscoe moss or Kelly Pipe and marked-up). We need to meet the DBE requirements of this contract. Please provide me with your most competitive pricing on these marked-up items as I would like to list Mill Man Steel, Inc. for all of these materials in our bid proposal.

Quantities for both wells 5 and 6 for the Fitch Park ASR Well Project for Monterey Peninsula Water Supply Project.

Item	Description	Quantity	Unit	Unit
3	36-inch OD x .375" wall ASTM A139 Grade B, Mild Steel Casing	110	Feet	
3.1	22-inch OD x .500" wall ASTM A778 stainless steel type 304L blank casing	1520	Feet	
8.2	20-inch OD stainless steel type 304L continuous wire wrap screen, 0.183" tri-wire, 0.250" round rod, 0.050" slot opening	600	Feet	
8.3	20-inch OD x .375" wall ASTM A778 stainless steel type 304L blank casing	80	Feet	
8.4	20-inch OD x .375" wall ASTM A778 stainless steel type 304L blank casing Bullnose	2	each	
8.5	3.50-inch OD x .216" wall stainless steel type 304 sch40 gravel tremie pipe	1500	Feet	
8.6	3.50-inch OD x .216" wall stainless steel type 304 sch40 sounding pipe	1520	Feet	
8.7	3.50-inch OD x .216" wall x 72-inch long stainless steel casing vent pipe	2	each	
9	REDUCER - 22-inch OD to 20-inch OD stainless steel type 304	2	each	
10	Stainless steel type 304 casing guides, 3" bend	30	each	

Please send to me ASAP tomorrow morning as I need to send off my proposal tomorrow afternoon. Thank you.

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156

Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

-----Original Message-----

From: James Goss <jamesgoss@millmansteel.com>
Sent: Wednesday, November 14, 2018 12:51 PM
To: Curt Zimmerer <curt@zimindustries.com>
Subject: Quote

Curt, see attached. Let me know if the Lancaster project is different?
Looks like you send me the Monterey package twice!!

Mill Man Steel, Inc.
jamesgoss@millmansteel.com
(P) 303-220-8545
(F) 303-825-1749
(C) 909-260-5010

"The Good Service People"
A Native American Woman Owned Business Enterprise

-----Original Message-----

From: james goss [mailto:jamesgoss@millmansteel.com]
Sent: Wednesday, November 14, 2018 11:44 AM
To: James Goss
Subject:

This E-mail was sent from "RNPB240D8" (Aficio MP C3000).

Scan Date: 11.14.2018 13:44:21 (-0500)



Kelly Pipe - BAKERSFIELD
 19459 FLIGHTPATH WAY
 BAKERSFIELD CA 93308
 Phone: 661-399-4540
 Fax: 661-399-4541

SALES QUOTE

10-Q626734

Page: 1 of 1

Sell To: ZIM INDUSTRIES 4532 E. JEFFERSON FRESNO CA 93725 BOB ZIMMERER	Ship To: ZIM INDUSTRIES 4532 E. JEFFERSON FRESNO CA 93725 BOB ZIMMERER
---	---

Quote Number: 10-Q626734	Quote Date 11/14/2018	Ship date	Customer ZIM270	Customer PO	Sales Person Dan Lonon
Customer Contact BOB ZIMMERER	Payment Terms NET 30 DAYS Quote 10-Q626734			Customer Reference	Branch : Rep : Warehouse 11 : DLON : BF
Customer Contact Phone 559-834-1551	Shipping Terms Our Truck Bakersfield	FOB Point	Carrier Our Truck Bakersfield		Currency Code

LN#	Product Code	Description	Wt/LN	Qty	U/M	Unit Price	Total Price
		Fitch Park ASR-5 and ASR-6					
1	3360375-64NC	36 .375 I API5LB/X42 DSAW PEB DRL 142.81#	15,709	110	FT		
	OT-31411	22" .500w 304/304L A312 Welded SRL 1 SEAM Import Non-AISC Compliant **** Alternative ****	174,800	1,520	FT		
3	OT-31412	22" .500w 304/304L A312 Welded SRL 2 Seam AISC Compliant	174,800	1,520	FT		
4	OT-31413	20" PS 304SS Slot .050 39.33' 4" Weld Ring w/4" Collar		14	EA		
5	OT-31414	20" PS 304ss Slot .050 19.33' 4" Weld Ring w/4" Collar *** Well Screen is Globally Sourced Material		2	EA		
6	OT-31415	20" S40 304/304L Welded SRL	6,320	80	FT	\$250.00	\$20,000.00
7	OT-31416	20" STD 304L Weld Cap		2	EA	\$442.66	\$885.32
8	OT-31396	3" S40 304/304L Welded SRL Sounding Tube and Gravel Pack	22,816	3,010	FT	\$17.94	\$53,999.40
9	OT-31417	3" S40 304/304L Cut Piece 3' Long Vent Pipe		2	EA	\$30.00	\$60.00
Total Weight:			394,445				

This Material is subject to prior sale and applicable taxes. This Quotation and all agreements and other instruments executed in connection here in are subject to terms and conditions. For More Details Please Visit www.kellypipe.com

Subtotal:
 Total Sales Tax
 Total:

Curt Zimmerer

From: Dan Lonon <DLonon@kellypipe.com>
Sent: Wednesday, November 14, 2018 1:34 PM
To: Curt Zimmerer; Robert Zimmerer; Tim Crowe
Subject: Sales Quote 10-Q626734.pdf
Attachments: Sales Quote 10-Q626734.pdf

Gentlemen,

Please see attached quote for the Monterey wells. We are quoting single seam 22.500 304 stainless (AISC noncompliant) and dual seam AISC compliant single random length casing. Mill lead times are 14 weeks ARO.

Current pricing is 3 days. Please confirm pricing prior to order placement.

Thank you,

Dan Lonon
KPC Sales

Sent via the Samsung Galaxy S® 6, an AT&T 4G LTE smartphone



ROSCOE MOSS COMPANY

4360 Worth Street

Los Angeles, California 90063, U.S.A.

Phone: (323) 263-4111, Fax: (323) 263-4497

E-mail: choherd@roscoemoss.com

Web site: www.roscoemoss.com

Estimate - pending finalized list of materials

Monday, November 05, 2018

TO: Bob Zimmerer
Zim Industries

RE: Monterey Peninsula Water Supply Project - Fitch Park ASR Wells 5 & 6

Item	Description	Quantity (FT)	Unit Price (USD)	Total (USD)
	<i>Quantities quoted per well</i>			
1	36"OD x .375"wall, ASTM A139 Grade B, Mild Steel Spiral Welded Conductor Casing, 40 ft lengths, beveled ends	55	\$128.42	\$7,063.10
2	22"OD x 1/2" wall ASTM A778 Stainless Steel Type 304L Blank casing, Weld Collar, 40ft lengths	760		
3	REDUCER - 22" to 20" SST 304	1	\$6,200.00	\$6,200.00
4	20"OD Stainless Steel Type 304L Continuous Wire Wrap Screen, 0.183" Tri-Wire, 0.250" Round Rod, 0.050" Slot Opening, Weld Collar, 20ft Length Collapse Strength: 163 PSI Safe Hang Weight: 43,273 lbs	300	\$206.35	\$61,905.00
5	20"OD x .375"wall, ASTM A778, Stainless Steel Type 304L Spiral Welded Blank Casing, Weld Collar, 20ft Length	40		
6	20"OD 304L SE Head	1		
7	3" x sch 40 SST 304 gravel feed tube, 20 ft lengths with welding collars attached	750		
8	3" x sch 40 SST 304 sounding tube, 20 ft lengths with welding collars attached	760		
9	3" x 72" Long reinforced camera access/sounding tube port	1		
10	SST 304 Casing guides, 3" bend	15	\$24.00	\$360.00
			Total	

Terms:

- Prices quoted FOB, Los Angeles

- Quote valid for 30 days
- Payment: Net 30 Day Terms on Approved Credit
- Applicable taxes not included

Please feel free to contact me should you have any questions regarding this quote.

Regards,

Charlie Hoherd
Roscoe Moss Company

Curt Zimmerer

From: Curt Zimmerer
Sent: Wednesday, November 28, 2018 4:21 PM
To: 'James Goss'
Subject: FW: Quote
Attachments: 20181114134421273.pdf; Zim Industries 11-14-18.docx

James,

Your quote sent on November 14, 2018 for your reference.

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

-----Original Message-----

From: James Goss <jamesgoss@millmansteel.com>
Sent: Wednesday, November 14, 2018 12:51 PM
To: Curt Zimmerer <curt@zimindustries.com>
Subject: Quote

Curt, see attached. Let me know if the Lancaster project is different?
Looks like you send me the Monterey package twice!!

Mill Man Steel, Inc.
jamesgoss@millmansteel.com
(P) 303-220-8545
(F) 303-825-1749
(C) 909-260-5010

"The Good Service People"
Native American Woman Owned Business Enterprise

-----Original Message-----

From: james goss [mailto:jamesgoss@millmansteel.com]

Sent: Wednesday, November 14, 2018 11:44 AM

To: James Goss

Subject:

This E-mail was sent from "RNPB240D8" (Aficio MP C3000).

Scan Date: 11.14.2018 13:44:21 (-0500)

**Mill Man Steel, Inc.
1441 Wazee St. #104
Denver, CO 80202
Phone: (303) 220-8545
Fax: (303) 220-5663**

**Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725**

Dear: Curt

Mill Man Steel Inc. is pleased to offer the following material.

**760FT- 22"OD x .500W New TP304/TP304L (A312/SA312) PE 30'-48ft random lengths
\$522.40FT**

**1,520FT- 3" (3.5"OD) x .216 (SCH40) TP304/TP304L (A312/SA312M) 20'-21ft lengths, with weld collar installed.
\$21.60FT**

Please allow 14-16 weeks for delivery of 22" material.

Price is delivered Monterey, CA

****Material is subject to prior sale, and lead time subject to change based on production schedule at time of order. Above pricing is based on footage quoted, subject to change if quantity changes.**

****Please note pricing is subject to change, and must be confirmed at time of order due to section 232 complications**

****Please note all items are combined for pricing, selective purchase of individual items may affect price.**

Thank you for allowing us to quote your steel pipe requirements.

Sincerely, James Goss

Curt Zimmerer

From: James Goss <jamesgoss@millmansteel.com>
Sent: Wednesday, November 14, 2018 12:51 PM
To: Curt Zimmerer
Subject: Quote
Attachments: 20181114134421273.pdf; Zim Industries 11-14-18.docx

Curt, see attached. Let me know if the Lancaster project is different?
Looks like you send me the Monterey package twice!!

Mill Man Steel, Inc.
jamesgoss@millmansteel.com
(P) 303-220-8545
(F) 303-825-1749
(C) 909-260-5010

"The Good Service People"
A Native American Woman Owned Business Enterprise

-----Original Message-----

From: james goss [mailto:jamesgoss@millmansteel.com]
Sent: Wednesday, November 14, 2018 11:44 AM
To: James Goss
Subject:

This E-mail was sent from "RNPB240D8" (Aficio MP C3000).

Scan Date: 11.14.2018 13:44:21 (-0500)

BIDDER'S LIST

- Contractor is required to provide the following information for all DBE and non-DBE subcontractors, who provided a proposal, bid, quote, or were contacted by Contractor. This information must be submitted with Contractor's bid.

Prime Contractor: Zim Industries, Inc.
Project: Monterey Peninsula Water Supply Project
Construction of Fitch Park ASR Wells 5 and 6

Firm Name:	<u>MILL MAN STEEL, INC</u>	Phone:	<u>303-220-8545</u>
Business Address:	<u>1441 WAZEE ST, SUITE 104</u>	Fax:	<u>303-825-1749</u>
Email:	<u>jamesgoss@millmansteel.com</u>		
License No. and Classification:	_____	Years in Business:	<u>29</u>
Contact Person:	<u>JAMES GOSS</u>		
Is the firm currently certified as a DBE?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	Cert. Number:	_____
Type of work/ services/ materials proposed by bidder:	<u>STAINLESS STEEL</u>		
Amount of Bid/Quote:	<u>\$429,856.00 USD</u>		
Date of Bid/Quote:	<u>1/14/18</u>		

EXHIBIT A



**Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form**

This form is intended to capture the DBE¹ subcontractor's² description of work to be performed and the price of the work submitted to the prime contractor. A Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractor's bid or proposal package.

Subcontractor Name MILL MANSTEEL INC		Project Name MONTEREY WATER SUPPLY PROJECT	
Bld / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact JAMES GOSS	
Address 1441 WAZEE ST. SUITE 104 DENVER CO 80202			
Telephone No. 303-220-8645		Email Address jamesgoss@millmansteel.com	
Prime Contractor Name ZIM INDUSTRIES		Issuing/Funding Entity	

Contract Item Number	Description of Work Submitted from the Prime Contractor Involving Construction, Services, Equipment or Supplies	Price of Work Submitted to the Prime Contractor
	STAINLESS STEEL PIPE	\$429,856.00 USD
DBE Certified By: <input type="checkbox"/> DOT <input type="checkbox"/> SBA Other: CA PUBLIC UTILITIES		Meets/exceeds EPA certification standards? YES NO <u>Unknown</u>


¹ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA, EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

² Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.

EXHIBIT A

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	Date

Subcontractor Signature	Print Name
	JAMES GOSS
Title	Date
SALES	11/14/18

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.

Curt Zimmerer

From: Curt Zimmerer
Sent: Tuesday, November 13, 2018 1:58 PM
To: 'James Goss'
Subject: RE: Request for DBE quotes for Lancaster Water Reclamation Plant from Zim Industries, Inc.

James,

It will be Schedule 40 type 304 stainless steel pipe with the following dimensions:

3.50-inch OD (outside diameter)
.22-inch wall thickness
3.068-inch ID (inside diameter)
ASTM standard A-312 or A-778

Thanks,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
1532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

-----Original Message-----

From: James Goss <jamesgoss@millmansteel.com>
Sent: Tuesday, November 13, 2018 12:37 PM
To: Curt Zimmerer <curt@zimindustries.com>
Subject: RE: Request for DBE quotes for Lancaster Water Reclamation Plant from Zim Industries, Inc.

Hi Curt, do you see a wall thickness on the 3" Stainless, not seeing anything in the package?

Mill Man Steel, Inc.
jamesgoss@millmansteel.com
(P) 303-220-8545
(F) 303-825-1749

(C) 909-260-5010

"The Good Service People"
A Native American Woman Owned Business Enterprise

-----Original Message-----

From: Curt Zimmerer [mailto:curt@zimindustries.com]

Sent: Tuesday, November 13, 2018 1:00 PM

To: James Goss

Subject: Request for DBE quotes for Lancaster Water Reclamation Plant from Zim Industries, Inc.

James,

Attached is the bid schedule and specs for a project bidding on 11-15-2018 in Monterey, CA. The attached PDF file contains a copy of the material specifications for the water well project bidding Thursday at the Monterey Peninsula Water Supply Project for the construction of Fitch Park ASR Wells 5 and 6. Zim Industries, Inc. is looking for DBEs to provide materials and services on this project. As a DBE your company qualifies as a DBE supplier for this project. Please provide a quotation for the materials listed on the attached PDF file. The well casing on this project is specified Roscoe Moss or equivalent type 304 stainless steel blank and wire-wrap screen supplier, but the conductor is specified A-139, Grade B low carbon steel. In addition, please fill out the information on the Bidder's List of Subcontractors DBE form. Also, please fill out and sign the DBE Subcontractor Performance Form. Finally, please provide proof of DBE current certifications and current declarations. This information is needed no later than 5:00 PM tomorrow as this project bids on November 15, 2018 and has to be federal expressed tomorrow night. Thank you for your assistance and interest. This project requires the listing of WBE, MBE and other designated DBE suppliers. We are definitely going to utilize the most competitive qualified WBE, MBE and DBE supplier in our bid.

I look forward to receiving your quote, certifications and bid forms required by this project.

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

Curt Zimmerer

From: James Goss <jamesgoss@millmansteel.com>
Sent: Tuesday, November 13, 2018 12:37 PM
To: Curt Zimmerer
Subject: RE: Request for DBE quotes for Lancaster Water Reclamation Plant from Zim Industries, Inc.

Hi Curt, do you see a wall thickness on the 3" Stainless, not seeing anything in the package?

Mill Man Steel, Inc.
jamesgoss@millmansteel.com
(P) 303-220-8545
(F) 303-825-1749
(C) 909-260-5010

"The Good Service People"
A Native American Woman Owned Business Enterprise

-----Original Message-----

From: Curt Zimmerer [mailto:curt@zimindustries.com]
Sent: Tuesday, November 13, 2018 1:00 PM
To: James Goss
Subject: Request for DBE quotes for Lancaster Water Reclamation Plant from Zim Industries, Inc.

James,

Attached is the bid schedule and specs for a project bidding on 11-15-2018 in Monterey, CA. The attached PDF file contains a copy of the material specifications for the water well project bidding Thursday at the Monterey Peninsula Water Supply Project for the construction of Fitch Park ASR Wells 5 and 6. Zim Industries, Inc. is looking for DBEs to provide materials and services on this project. As a DBE your company qualifies as a DBE supplier for this project. Please provide a quotation for the materials listed on the attached PDF file. The well casing on this project is specified Roscoe Moss or equivalent type 304 stainless steel blank and wire-wrap screen supplier, but the conductor is specified A-139, Grade B low carbon steel. In addition, please fill out the information on the Bidder's List of Subcontractors DBE form. Also, please fill out and sign the DBE Subcontractor Performance Form. Finally, please provide proof of DBE current certifications and current declarations. This information is needed no later than 5:00 PM tomorrow as this project bids on November 15, 2018 and has to be federal expressed tomorrow night. Thank you for your assistance and interest. This project requires the listing of WBE, MBE and other designated DBE suppliers. We are definitely going to utilize the most competitive qualified WBE, MBE and DBE supplier in our bid.

I look forward to receiving your quote, certifications and bid forms required by this project.

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.

4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

Curt Zimmerer

From: Curt Zimmerer
Sent: Tuesday, November 13, 2018 12:10 PM
To: 'James Goss'
Subject: Request for DBE quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.
Attachments: 20181113113710962.pdf

James,

Attached is the bid schedule and specs for a project bidding on 11-15-2018 in Monterey, CA. The attached PDF file contains a copy of the material specifications for the water well project bidding Thursday at the Monterey Peninsula Water Supply Project for the construction of Fitch Park ASR Wells 5 and 6. Zim Industries, Inc. is looking for DBEs to provide materials and services on this project. As a DBE your company qualifies as a DBE supplier for this project. Please provide a quotation for the materials listed on the attached PDF file. The well casing on this project is specified Roscoe Moss or equivalent type 304 stainless steel blank and wire-wrap screen supplier, but the conductor is specified A-139, Grade B low carbon steel. In addition, please fill out the information on the Bidder's List of Subcontractors DBE form. Also, please fill out and sign the DBE Subcontractor Performance Form. Finally, please provide proof of DBE current certifications and current declarations. This information is needed no later than 5:00 PM tomorrow as this project bids on November 15, 2018 and has to be federal expressed tomorrow night. Thank you for your assistance and interest. This project requires the listing of WBE, MBE and other designated DBE suppliers. We are definitely going to utilize the most competitive qualified WBE, MBE and DBE supplier in our bid.

I look forward to receiving your quote, certifications and bid forms required by this project.

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

BIDDER'S LIST

- Contractor is required to provide the following information for all DBE and non-DBE subcontractors, who provided a proposal, bid, quote, or were contacted by Contractor. This information must be submitted with Contractor's bid.

Prime Contractor: Zim Industries, Inc.
Project: Monterey Peninsula Water Supply Project
Construction of Fitch Park ASR Wells 5 and 6

Firm Name:	_____	Phone:	_____
Business Address:	_____	Fax:	_____
Email:	_____		
License No. and Classification:	_____	Years in Business:	_____
Contact Person:	_____		
Is the firm currently certified as a DBE? <input type="checkbox"/> No <input type="checkbox"/> Yes Cert. Number: _____			
Type of work/ services/ materials proposed by bidder: _____ _____			
Amount of Bid/Quote: _____			
Date of Bid/Quote: _____			



**Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form**

This form is intended to capture the DBE¹ subcontractor's² description of work to be performed and the price of the work submitted to the prime contractor. A Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractor's bid or proposal package.

Subcontractor Name		Project Name	
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact	
Address			
Telephone No.		Email Address	
Prime Contractor Name		Issuing/Funding Entity	

Contract Item Number	Description of Work Submitted from the Prime Contractor Involving Construction, Services, Equipment or Supplies	Price of Work Submitted to the Prime Contractor
DBE Certified By: <input type="checkbox"/> DOT <input type="checkbox"/> SBA Other: _____		Meets/exceeds EPA certification standards? YES NO Unknown

¹ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

² Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.

EXHIBIT A

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	Date

Subcontractor Signature	Print Name
Title	Date

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.

FORM 4500-3 (DBE Subcontractor Performance Form)

**CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6**

BID SHEET for FITCH PARK ASR-5 AND ASR-6 CONSTRUCTION

BID ADDENDUM NO. 3

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
1	Mobilization	Lump Sum	Lump Sum	\$	\$	\$
2	Noise Control / Sound Barrier	Linear Feet	500	\$	\$	\$
3	36-Inch Diameter Carbon Steel Conductor Casing	Linear Feet	55	\$	\$	\$
4	Pilot Bore Drilling	Linear Feet	1065	\$	\$	\$
5	Geophysical Logging	Lump Sum	Lump Sum	\$	\$	\$
6	Pilot Bore Reaming	Linear Feet	1065	\$	\$	\$
7	Caliper Survey	Lump Sum	Lump Sum	\$	\$	\$
8.1	22-inch Diameter Stainless Steel Blank Casing	Linear Feet	760	\$	\$	\$
8.2	20-inch Diameter Stainless Steel Wire Wrapped Screen	Linear Feet	300	\$	\$	\$
8.3	20-inch Diameter Stainless Steel Blank Casing	Linear Feet	20	\$	\$	\$
8.4	20-inch Diameter Stainless Steel Cellar with Bullnose	Lump Sum	20	\$	\$	\$
8.5	3-inch Diameter Stainless Steel Gravel Tremie Pipe	Linear Feet	750	\$	\$	\$
8.6	3-inch Diameter Stainless Steel Sounding Pipe	Linear Feet	760	\$	\$	\$
8.7	3-inch Diameter Stainless Steel Casing Vent Pipe	Lump Sum	Lump Sum	\$	\$	\$
9	Gravel Pack	Linear Feet	390	\$	\$	\$
10	Cement Grout	Linear Feet	730	\$	\$	\$
11.1	Mechanical Development	Hours	85	\$	\$	\$
11.2	Pumping Development	Hours	100	\$	\$	\$
11.3	Additional Mechanical Development	Hours	XX Hours	\$	XXXX	XXXX
11.4	Additional Pumping Development	Hours	XX Hours	\$	XXXX	XXXX

**CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6**

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
12	Production Testing	Hours	16	\$	\$	\$
13	Disinfection of Well	Lump Sum	Lump Sum	\$	\$	\$
14	Wellhead Completion and Installation of Pump/Motor and FCV Assembly	Lump Sum	Lump Sum	\$	\$	\$
14.A	Well Pump/Motor and FCV Assembly	Allowance	Allowance	\$300,000	\$300,000	\$600,000
14.B	Percent Markup Over Invoiced Cost for Well Pump/Motor and FCV Assembly	Percent	Percent	%	%	%
14.C	Markup Amount (amount entered in 14.A times percent entered in 14.B)	Lump Sum	Lump Sum	\$	\$	\$
15	Downhole Velocity Surveys	Lump Sum	Lump Sum	\$	\$	\$
16	Acceptance Video Surveys	Lump Sum	Lump Sum	\$	\$	\$
17	Plumbness and Alignment	Lump Sum	Lump Sum	\$	\$	\$
18	Standby Time	Hours	XX Hours	\$	XXXX	XXXX
19	Site Cleanup	Lump Sum	Lump Sum	\$	\$	\$
20	Fluid and Cuttings Containment and Disposal	Lump Sum	Lump Sum	\$	\$	\$
21	Temporary Discharge Pipeline	Lump Sum	Lump Sum	\$	XXXX	\$
22	Traffic Control Plan	Lump Sum	Lump Sum	\$	\$	\$
23	Connect pipe extension & valves to Temporary Water Supply, and construction water consumption	Allowance	Allowance	\$	\$10,000	\$20,000
24	Temporary 7' height Perimeter Site Security, Chain Link Fencing & Double Leaf Gates, lockable	Lump Sum	Lump Sum	\$	\$	\$
25	Community Outreach Plan & Attend Meetings	Allowance	Allowance	\$	\$3000	\$6000
26	Prepare & implement BMP's and Storm Water Pollution Prevention Plan (SWPPP)	Lump Sum	Lump Sum	\$	\$	\$
Total Amount Bid:					\$	\$

CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
Total In Words:						

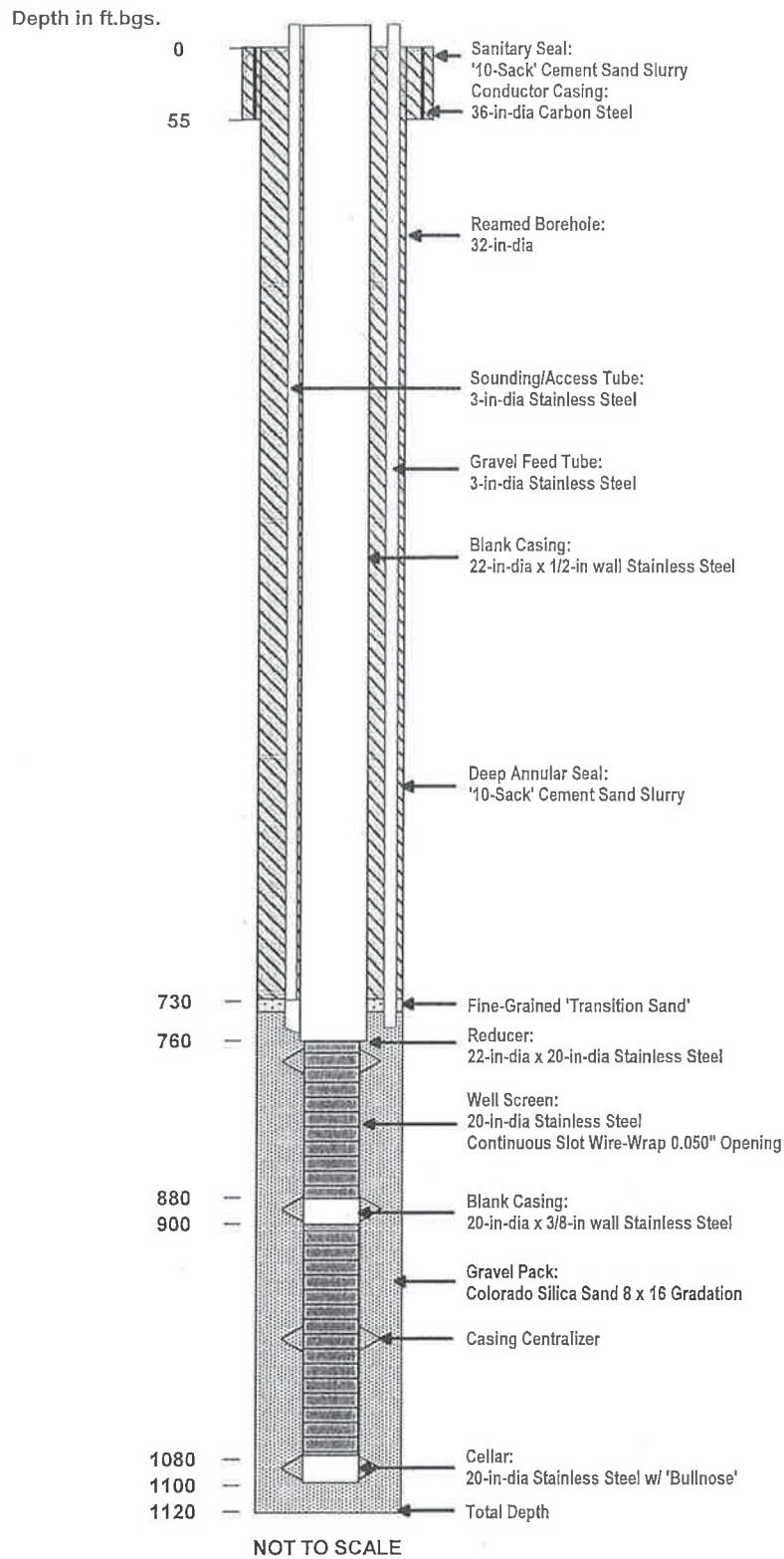


FIGURE 3. PRELIMINARY WELL DESIGN SCHEMATIC
 Fitch Park ASR-5 and ASR-6 Project
 California American Water



The drill rig utilized must have the ability to fully lift and land the anticipated casing loads without the use of float plugs or other similar methods. All drill pipe must utilize threaded flush or upset tool joints, or equal, as approved by the Owner's Technical Representative (OTR).

SECTION 105 - CONSTRUCTION SCHEDULE

Construction activities are anticipated to start in **4th Quarter 2018** following approval of the project.

Drilling efficiency and rapid advance rates both for the pilot hole and reamed borehole are critical to the successful completion of hydraulically efficient wells. Accordingly, the Contractor shall conduct construction operations on a 24-hour per day, 7-day per week basis, and without significant delays, starting with the commencement of pilot hole drilling (after setting the surface conductor casing) and continuing until the initial mechanical development of the well (airlift swabbing) is completed. Work must begin within thirty (30) consecutive calendar days of notice to proceed and all work must be completed within one hundred eighty (180) calendar days from the commencement of work activities.

A construction schedule must be submitted with the bid in order for the bid to be considered responsive.

SECTION 106 - OVERVIEW OF WORK TO BE DONE

SECTION 106.1 - REQUIREMENTS OF WORK

Work includes the furnishing of all materials, labor, equipment, fuel, tools, transportation, and services for drilling, construction, development, testing, and completion of the well as described in these specifications.

While the final design of the wells may change, the general work required applicable to **each** of the project wells include:

- 1) The Contractor shall obtain the necessary well drilling permits from the County of Monterey Environmental Health Department.
- 2) Move equipment on (and off) of the site.
- 3) Furnish and install a temporary sound barrier. The sound barrier shall be a minimum 24 feet high, approximately 500 lineal feet, with minimum sound transmission class (STC) rating of 25.
- 4) Drill and install a 36-inch outside diameter, steel conductor (surface) casing to a total depth of 55 feet, below ground surface (bgs). The borehole for the conductor casing shall have a minimum diameter of 46 inches. Place a cement-grout annular seal in the space between the conductor casing and the borehole wall, from the bottom of the conductor casing to the ground surface.
- 5) Drill a pilot borehole to a total depth of 1,120 feet bgs (total footage of 1,065 feet, starting at the base of the conductor casing of 55 feet, bgs). Pilot borehole shall have

ATTACHMENT C



- a maximum diameter of 18 inches. Collect drill cuttings, and maintain a detailed pipe tally, drilling time log, drilling fluid log, and drill cuttings log.
- 6) Provide for, and assist with, a geophysical borehole log of the pilot bore using spontaneous potential (SP), resistivity, and natural gamma surveys of the pilot hole.
 - 7) Ream pilot bore to a diameter of 32 inches to a total depth of 1,120 feet (total ream footage of 1,065 feet).
 - 8) Install well casing and screen, in accordance with the following schedule: 1) 760 feet of 22-inch diameter, stainless steel (Type 304) blank casing; 2) 300 feet of 20-inch diameter, stainless steel (Type 304) wire-wrapped well screen; 3) 20 feet of 20-inch diameter, stainless steel (Type 304) blank casing (20-ft separation between two screened sections) and 4) 20 feet of 20-inch diameter, stainless steel (Type 304) blank cellar pipe with a bullnose.
 - 9) Install 3-inch diameter, stainless steel (Type 304) gravel feed and sounding tubes to depths of approximately 750 feet bgs and 760 feet bgs, respectively.
 - 10) Install gravel pack from the bottom of the reamed hole up to a depth of approximately 735 feet below ground surface.
 - 11) Place approximately 5 feet of 'transition' sand above the top of the gravel pack.
 - 12) Place approximately 730 feet of cement grout sanitary seal.
 - 13) Develop the well by air-lifting/swabbing and pumping.
 - 14) Provide and install temporary discharge piping for conveying water produced during development and test pumping to a surface spreading location.
 - 15) Install and remove test pump for final development and well performance aquifer testing.
 - 16) Provide for, and assist with, conducting velocity (spinner) survey during step production testing.
 - 17) Provide for, and assist with, conducting an alignment survey of the completed well.
 - 18) Provide for, and assist with, conducting an acceptance video survey of the completed well.
 - 19) Disinfect the well.
 - 20) Provide wellhead completion, pump foundation and permanent pump assembly.
 - 21) Provide temporary discharge piping and energy dissipater(s) for development and test pumping discharges.
 - 22) Clean up the sites.
 - 23) Contain and legally dispose drilling fluids and cuttings offsite.
 - 24) Fulfill all well drilling permit requirements, including the preparation and filing of a Department of Water Resources Well Completion Report.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



The tentative casing schedules for the FP ASR-5 and ASR-6 wells is as follows:

Interval (depth in ft below ground surface)	Material
0 to 760	22-inch diameter, 1/2-inch wall thickness, TYPE 304 STAINLESS STEEL blank casing
760 to 880	20-inch diameter, TYPE 304 STAINLESS STEEL wire-wrapped well screen, with 0.050-inch slots
880 to 900	20-inch diameter, 3/8 wall thickness, TYPE 304 STAINLESS STEEL blank casing
900 to 1080	20-inch diameter, TYPE 304 STAINLESS STEEL wire-wrapped well screen, with 0.050-inch slots
1080 to 1100	20-inch diameter, 3/8 wall thickness, TYPE 304 STAINLESS STEEL blank cellar with bullnose

A depiction of the proposed FP ASR-5 and ASR-6 wells is presented on **Figure 3**. The Contractor is advised that the proposed design of the wells presented above is based on information available at the time of development of these specifications. Although no significant changes are anticipated, the final designs of the wells may be altered based on the conditions at the site as determined through the pilot hole drilling and the new geophysical surveys.

SECTION 107 - OTHER WORK REQUIRED

In addition to the work described in Section 106, the Contractor will be responsible for other work that will be required during the construction of the well.

The Contractor shall contact Underground Services Alert (USA) at least 3 days prior to any drilling or excavation at the site.

The Contractor shall prepare the site in a manner as to provide adequate work space, safe working conditions, site ingress/egress and sufficient containment and storage of drilling cuttings and fluids. The Contractor shall also implement, install, and maintain Best Management Practices (BMPs) for the control of nuisance water and storm water. The BMPs shall be adequate to prevent erosion and runoff of sediment laden water from the work site. During construction, washing of concrete trucks, equipment, or similar activities shall occur only in areas where wash water can be contained on site.

The Fitch Park ASR sites contain numerous trees and shrubs that may need to be removed or trimmed in order to provide sufficient unobstructed space for equipment and materials. Prior to Contractor mobilization, OWNER will retain an arborist to trim or remove trees and/or shrubs, and to identify which plant species require protection during project activities. If required, OWNER will install protective fencing around sensitive plants or trees. It shall be the Contractor's responsibility to avoid protected areas and maintain the protective fencing during the course of the project.



SECTION 203 - CONDUCTOR (SURFACE) CASING

203 - CONDUCTOR (SURFACE) CASING, BID ITEM NO. 3

SCOPE

The Contractor shall furnish all equipment, material, and work necessary to install the surface conductor casing as shown on the Drawings and specified herein. Prior to drilling of the pilot hole, the Contractor shall bore a 42-inch-minimum-diameter hole from ground surface to a depth of 55 feet bgs, or as directed by the OTR, in which a surface conductor casing shall be installed.

MATERIALS

The conductor casing shall be a minimum 36 inches outside-diameter steel pipe having a wall thickness of not less than 0.375-inch (3/8-inch) and a below ground length of not less than 55 feet. Conductor casing shall be manufactured in accordance with ASTM Designation A-139, Grade B, without copper. All joints in the conductor casing shall be securely welded and shall be watertight.

Cement grout shall be composed of not more than 3 cubic feet of sand and 1 cubic foot (one sack) of Portland cement to 5 to 7 gallons (0.67 to 0.90 cubic feet) of clean water. This is typically considered to be a 10-sack Portland cement sand slurry mix when ordered from batching plants. Bentonite, to make the mix more fluid and reduce shrinkage, may be used to a total of 5 percent (5%) of the volume of the cement. If 5 percent bentonite is used, water content can be increased to 8.2 gallons per sack of cement.

PLACEMENT

Prior to drilling the conductor casing holes, the Contractor shall pothole the hole locations prior to installation to ensure no underground utilities will be impacted. During placement of the conductor casing, field joints shall be either collared or plain-end, and welded together. Centering guides shall be welded to the conductor casing with a minimum of two sets of guides (one near the bottom and one near the top). Each set will consist of three guides equally spaced circumferentially.

After the conductor casing has been installed, cement grout shall then be injected in the annular space between the inner casing and the borehole from bottom to top by means of a tremie pipe. Cement grout material shall be placed by the positive displacement pumping method in one continuous operation. Upon completion of cementing, concrete shall be visible above the surface of the ground outside the conductor casing. After cementing operations are completed, the concrete shall be left undisturbed for a period of not less than 12 hours before drilling is resumed.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



MEASUREMENT AND PAYMENT

Full compensation for doing all work and furnishing all materials necessary to manufacture, deliver, and install the 36-inch surface conductor casing as specified shall be included in the unit bid price per linear foot for "Conductor (Surface) Casing" - Bid Item No. 3.



SECTION 208 - WELL CASINGS AND SCREENS

208 - WELL CASINGS AND SCREENS - BID ITEM NOS. 8.1 THROUGH 8.7

SCOPE

The Contractor shall furnish all materials and work necessary to manufacture, deliver, and install well casing, reducers, screens, cellar pipes and caps, tremie pipes and sounding pipes as shown on the drawings and in accordance with these Specifications.

Quantity (Linear Feet)	Item	Bid Item No.
760	22-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CASING	8.1
300	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL WIRE-WRAP WELL SCREEN, 0.050-INCH SLOTS	8.2
20	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CASING	8.3
20	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CELLAR WITH BULLNOSE	8.4
750	3-INCH-DIAMETER, STAINLESS STEEL PERMANENT GRAVEL TUBE	8.5
760	3-INCH-DIAMETER, STAINLESS STEEL PERMANENT SOUNDING TUBE	8.6
3	3-INCH-DIAMETER, TYPE 304 STAINLESS STEEL CASING VENT PIPE	8.7

MATERIALS

22-Inch-Inside-Diameter Stainless Steel Blank Well Casing. The 22-inch diameter blank casing shall be of TYPE 304 stainless steel construction, in accordance with ASTM A-312 or A-778, with minimum 0.5-inch (1/2-inch) wall thickness.

20-Inch-Nominal-Diameter Stainless Steel Wire Wrapped Well Screen. Well screen shall be 20-inch-nominal-diameter stainless steel, TYPE 304. Screen opening width shall be 0.050-inch. The well screen shall be of the continuous slot, welded, wire-wrapped design, and of construction to provide sufficient tensile and collapse strength. Vertical rods shall be 0.25-inch diameter and consist of 84 rods circumferentially (minimum). For the No. 50 slot screen (0.050-inch), the minimum open area requirement is 155 square inches per linear foot. The tolerance for the final slot size selected shall be ± 0.005 inches. It is the Contractor's sole



responsibility to ensure the well screen has sufficient tensile and collapse strength to be assembled, landed, and installed without damage to casing, screen, or borehole.

20-Inch-Nominal-Diameter Stainless Steel Blank Well Casing. The 20-inch diameter blank casing shall be of TYPE 304 stainless steel construction, in accordance with ASTM A-312 or A-778, with minimum 0.375-inch (3/8-inch) wall thickness.

20-Inch-Nominal Diameter Stainless Steel Cellar Pipe and Cap. The stainless steel cellar pipe shall be 20-inch-nominal-diameter in size and 20 feet in length, and manufactured of TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778. The wall thickness shall be minimum 0.375-inches (3/8-inches). The bottom of the well casing shall be fitted with a bullnose plug welded in place.

3-Inch-Inside-Diameter Stainless Steel Gravel Feed Tube. A permanent gravel tremie pipe shall be installed. The tremie pipe will be manufactured of TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778, and extend to a depth of approximately 750 feet bgs, as shown on Figure 3.

3-Inch-Inside-Diameter Stainless Steel Sounding Tube. The sounding tube shall consist of 3-inch-inside-diameter, TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778 and extend to a depth of approximately 760 feet bgs, as shown on **Figure 3.**

3-Inch-Inside-Diameter Stainless Steel Chlorination Access Pipe. A permanent access pipe shall be installed. The access pipe will be constructed of 3-inch-inside-diameter, TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778.

Upon completion of reaming the pilot bore, the Contractor shall install the well screen and casing at intervals as determined by the OTR. The proposed well design is shown on **Figure 3.** The final design will be established upon review of the pilot hole geophysical log.

The casing and screen shall be plumb and shall be centered in the hole. All field joints shall be properly lapwelded during installation with a minimum of two passes per circumference. Centralizers with 120-degree spacing, attached directly to the casing and screen by welding at intervals of not more than 60 feet within the screened casing and at intervals of not more than 80 feet within the blank casing shall be provided in order to center and hold the casing in the proper position until the gravel is in place. The centralizers shall be of the same material used in each casing or screen interval. Casing centralizers shall be placed up to a depth of approximately 80 feet below ground surface.

The casing shall be suspended in tension from the surface by means of an appropriate hanger or clamp. The bottom of the casing shall be at a sufficient distance above the bottom of the reamed hole to ensure that none of the casing will be supported from the bottom of the hole. The use of float plugs to land and set casing will not be permitted.



A construction tremie pipe will be installed to place the gravel pack and the cement grout in the annulus. Prior to final gravel packing operations, the permanent gravel tremie pipe will be installed. The remainder of the gravel will then be installed. The top of the permanent tremie pipe will extend a minimum of 20 inches above ground surface and be equipped with a screw-on cap. The gravel tube shall not be 'topped off' with gravel, but shall be left empty. The Contractor shall ensure that the permanent gravel tube is maintained free and clear through cementing operations by continuously running clear water through the permanent gravel tube during gravel packing and cementing operations.

A permanent sounding pipe will be connected to the casing at the approximate location shown on **Figure 3** and will be lowered simultaneously with the emplacement of the casing. The sounding pipe will be provided with a minimum 6-foot-long reinforced connection (entry box) to the steel casing, as shown on **Figure 4**. The bottom of the entry box shall be between 12 and 24 inches from the bottom of the blank casing joint to which it is attached. The inside joined surfaces of the entry box and casing shall be filled and ground smooth to the satisfaction of the OTR so as to not damage downhole wirelines and associated tools (e.g., video cameras, spinner tools, etc.,). Ground surface orientation of the gravel and sounding tubes shall be 90 degrees apart as shown on **Figure 5**. The top of the sounding pipe shall be terminated as shown on **Figure 5**.

A permanent casing vent pipe will be connected to the casing as shown on **Figure 5**.

The top of the casing will be provided with a welded cap at all times when personnel are not on the site.

All casing material shall be new.

If, for any reason, the casing cannot be landed in the correct position or at a depth acceptable to the OTR, or any of the casings should collapse prior to well completion, the Contractor shall construct another well immediately adjacent to the original location and complete this well in accordance with the specifications at no additional cost to OWNER. The abandoned hole shall be sealed in accordance with directions from OWNER and in accordance with any laws pertaining to proper well abandonment.

All work required to be repeated and all additional materials, labor, and equipment required, shall be furnished at the expense of the Contractor and no claim for additional compensation shall be made or be allowed, except as specifically provided herein.

All field welding shall be performed in accordance with American Welding Society Standards by a certified welder.

The following field welding procedures shall apply:

- A length shall be lowered into the well with the collar facing upward.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



- The plain end of the following length shall be inserted in the collar. True contact of the two joints must be verified by observation through the inspection windows.
- Spot welds shall be placed through the three windows in order to hold the contact position.
- A fillet type weld shall be made covering the top edge of the collar continuously for the entire circumference. Two passes or welds shall be applied to 5/16-inch and thicker wall material.
- The inspection windows on blank casing sections shall be seal-welded to assure a leak-proof connection.

The following electrodes shall be utilized for various casing and screen materials.

Mild Steel	E-6011 or E-7018
Copper Bearing Steel	E-6011 or E-7018
Low Alloy Steel (ASTM A242 or equivalent)	E-7018
Stainless Steel (Type 304)	E-308L-16

Depending on wall thickness, the following electrode sizes shall apply:

<u>Wall Thickness</u>	<u>Electrode Size</u>
1/8-inch	1/8-inch
3/16- to 1/4-inch	5/32- to 3/16-inch
over 1/4-inch	3/16- to 1/4-inch

TESTING

Not applicable.

SUBMITTALS

The Contractor shall supply the OTR with an affidavit of compliance stating the casing, screen, pipe and cap comply with the applicable requirements of ASTM Standards. Contractor shall also submit qualifications and evidence of current certification of the welder(s).

MEASUREMENTS

For the purposes of payment, measurements of casing, screen, and pipes, shall be per linear foot.

PAYMENT

Full compensation for doing all work and furnishing all materials necessary to manufacture, deliver, and install well casing and screens as shown on the drawings and as specified shall be included in the unit price bid per linear foot for: 22-Inch-Inside-Diameter

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



Stainless Steel Blank Casing - Bid Item No. 8.1; 20-Inch-Nominal-Diameter Stainless Steel Wire-Wrapped Well Screen - Bid Item No. 8.2; 20-Inch-Nominal-Diameter Stainless Steel Blank Casing - Bid Item No. 8.3; 20-Inch-Nominal-Diameter Stainless Steel Cellar and Bullnose - Bid Item No. 8.4; 3-Inch-Inside-Diameter Stainless Steel Gravel Tube - Bid Item No. 8.5; 3-Inch-Inside Diameter Stainless Steel Sounding Tube - Bid Item No. 8.6; and 3-Inch-Inside Diameter Stainless Steel Access Pipe - Bid Item No. 8.7.

LICENSE

INFO

TRAY

State of California

Contractors State License Board

Pursuant to Chapter 9 of Division 3 of the Business and Professions Code and the Rules and Regulations of the Contractors State License Board, the Registrar of Contractors does hereby issue this license to:

ZIM INDUSTRIES INC dba ZIM IRRIGATION



to engage in the business or act in the capacity of a contractor in the following classification(s):

- A - GENERAL ENGINEERING CONTRACTOR
- C57 - WELL DRILLING (WATER)
- D21 - MACHINERY & PUMPS

Witness my hand and seal this day,
March 19, 1992

Albert J. Zimmerman
Signature of Licensee

Albert J. Zimmerman
Signature of License Qualifier

dca DEPARTMENT OF CONSUMER AFFAIRS
CONTRACTORS STATE LICENSE BOARD
 ACTIVE LICENSE

License Number **440537**
 Business Name **ZIM INDUSTRIES INC DBA BAKERSFIELD WELL & PUMP CO**
 Classification **A C61/D21 C57**
 Expiration Date **06/30/2019**

ENVY CORP

David R. Chellis
Registrar of Contractors

440537
License Number



STATE OF ARIZONA

LICENSE No. 113468

Office of the Registrar of Contractors
To All Whom It May Concern:

STATE OF ARIZONA }
OFFICE OF THE REGISTRAR } ss.

ZIM INDUSTRIES INC DBA
BAKERSFIELD WELL AND PUMP CO (CORP.)

This is to Certify That

having been shown to possess all the necessary qualifications, and having complied with all the requirements of the law,
is by order of the Registrar of Contractors on the 29TH day of APRIL in the year One Thousand
Nine Hundred and 96, duly licensed and admitted to engage in and pursue the business of

A-
GENERAL ENGINEERING

Contractor in the State of Arizona. Given under my hand and the seal of the Registrar of Contractors
in my office, City of Phoenix, this 29TH day of APRIL, 19 96.



Michael Galdrate
DIRECTOR

LICENSE EFFECTIVE THROUGH: 03/31/2020

STATE OF ARIZONA

Registrar of Contractors CERTIFIES THAT


Zim Industries Inc
Bakersfield Well and Pump Co

CONTRACTORS LICENSE NO. 113468 CLASS A

General Engineering

THIS CARD MUST BE PRESENTED UPON DEMAND

Jeff Fleetham
JEFF FLEETHAM, DIRECTOR



**STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES**

Let it be known to all that, pursuant to A.R.S. § 45-595,

ZIM INDUSTRIES, INC.
dba BAKERSFIELD WELL & PUMP COMPANY

is hereby issued Arizona Well Driller's License Number **185**
The requirements for this certificate have been met by:

ROBERT J. ZIMMERER

who may act as the company's qualifying party in the following drilling
categories:

MUD ROTARY

REVERSE ROTARY

ADDITIONAL TRADE EXAMINATIONS PASSED INCLUDE:NONE

LICENSE ISSUED ON JULY 9, 2018 AND EXPIRING ON JUNE 30, 2019



**MICHAEL I. BALL
COMPLIANCE ENFORCEMENT OFFICER
WATER PLANNING & PERMITTING DIVISION**

Southern Nevada Office
2310 Corporate Circle, Suite 200
Henderson, Nevada 89074
(702) 486-1100

STATE CONTRACTORS BOARD

Northern Nevada Office
9670 Gateway Drive, Suite 100
Reno, Nevada 89521
(775) 688-1141

The Nevada State Contractors Board certifies that
ZIM INDUSTRIES INC

Licensed since July 19, 1994

License No. **0037248**

Is duly licensed as a contractor in the following classification(s):

PRINCIPALS:

CURT ZIMMERER, President
JOHN C ZIMMERER, Vice President
ROBERT JAMES ZIMMERER, Vice President
WILLIAM PAUL ZIMMERER, Vice President

C23-DRILL WELLS, INSTALL PUMPS, PRESSURE TAN

LIMIT: Unlimited
EXPIRES: 07/31/2019



John B. Fitzgerald
Chairman, Nevada State Contractors Board

STATE OF NEVADA CONTRACTORS LICENSE

THIS IS TO CERTIFY THAT THE COMPANY
LISTED BELOW IS LICENSED IN THE STATE OF
NEVADA FOR THE CLASSIFICATION(S) SHOWN:

ZIM INDUSTRIES INC
4545 EAST LINCOLN AVENUE
FRESNO CA 93725

LIC. NO.
0037248

EXPIRES:
07/31/2019

LIMIT: Unlimited
Class: C23



STATE OF NEVADA CONTRACTOR'S LICENSE

THIS IS TO CERTIFY THAT THE COMPANY OR PERSON LISTED BELOW IS
LICENSED IN THE STATE OF NEVADA FOR THE CLASSIFICATION(S) SHOWN

LICENSE#: 0037248
ZIM INDUSTRIES INC
4545 EAST LINCOLN AVENUE
FRESNO, California 93725

EXPIRES: 7/31/2019

LIMIT: Unlimited
CLASS: C23

STATE OF UTAH
Department of Natural Resources
Division of Water Rights

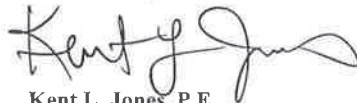
Robert J. Zimmerer
of
ZIM INDUSTRIES INC

Has complied with the provisions of Title 73-3-25 of the Utah Water Rights Law and Section R655-4-3 and R655-4-4 of the Utah Administrative Rules for Water Wells and is hereby granted a Utah WATER WELL DRILLER License under the following categories:

Mud Rotary, Reverse Rotary, Abandon Wells, Monitor Wells. Pump installation and repair

WATER WELL DRILLER LICENSE NO. 697

This license is non-transferable and expires June 30, 2020



Kent L. Jones, P.E.
State Engineer

STATE OF UTAH
NATURAL RESOURCES
Division of Water Rights

2020

WATER WELL DRILLER LICENSE

No.697

This certifies that by virtue of the provisions of section 73-3-25 Utah Code Annotated 1953, the State Engineer registers

Robert J. Zimmerer

ZIM INDUSTRIES INC

authorizing the operation to drill, construct repair renovate deepen, clean develop and abandon wells under the supervision of a licensed well driller in accordance with state laws and rules promulgated by the State Engineer. This registration expires June 30, 2020



Kent L. Jones, P.E.
State Engineer



WELL DRILLER LICENSE

ATTACH THIS CARD CONSPICUOUSLY TO WELL RIG

STATE OF NEW MEXICO

WATER WELL DRILLER'S LICENSE

No. WD-1694

ISSUED TO ZIM INDUSTRIES, INC.

Expires August 31, 2019

The person listed on the front of this card is licensed to construct the well by the following methods or (if NONE) can perform following all other well drilling activities: REVERSE CIRCULATION DRILLING

For additional information contact the Office of the State Engineer at (505) 827-6120 in Santa Fe, or www.ose.state.nm.us

NEW MEXICO OFFICE OF THE STATE ENGINEER

WELL DRILLER LICENSE

Name: **ROBERT ZIMMERER**

Expiration: **August 31, 2019**

Company: **ZIM INDUSTRIES, INC.**

License No: **WD-1694**

ADDITIONAL INFORMATION ON BACK

Legal Name	Registration Number	County	City	License Type/Number(s)	Current Status	Registration Date	Expiration Date
ZIM INDUSTRIES, INC. DBA BAKERSFIELD WELL & PUMP COMPANY	1000003978	KERN	BAKERSFIELD	OTHR:440537	Active	05/04/2018	06/30/2019

RECEIVED
JUL 06 2017
BY:



**Division of Water Resources
Receipt for Payment**



Zim Industries
Inc.
Fresno, CA 93725

Check #: 35292
Check Date: 6/23/2017
Date Received: 6/29/2017
Receipt #: 32722

FY	Amount	Permit #	Invoice #	Fee Type/Fee desc	Notes
2017	\$50.00	WD 2269		- Well Driller's License Fees	Renewal for Brian Zimmerman

State of Nevada
DIVISION OF WATER RESOURCES
WELL DRILLER'S LICENSE
No.2269.....

THIS CERTIFIES that by virtue of the provisions of NRS 534.140, the
State Engineer HEREBY ISSUES THIS LICENSE
To **Brian Zimmerman**
Which authorizes him as a well driller to drill wells to obtain
underground water in the State of Nevada in accordance with the laws
thereof, also rules and regulations made by the State Engineer to
govern and regulate such work.
THIS LICENSE EXPIRES
JUNE 30, 2018

[Signature]
State Engineer

STATE OF UTAH
Department of Natural Resources
Division of Water Rights

Victor Lira
of
ZIM INDUSTRIES INC

Has complied with the provisions of Title 73-3-25 of the Utah Water Rights Law and Section R655-4-3 and R655-4-4 of the Utah Administrative Rules for Water Wells and is hereby registered as a Utah DRILL/PUMP RIG OPERATOR.

DRILL RIG OPERATOR NO. 265
PUMP RIG OPERATOR NO. 265

This registration is non-transferable and expires June 30, 2020



Kent L. Jones, P.E.
State Engineer

STATE OF UTAH
Department of Natural Resources
Division of Water Rights

Jose Manuel Lopez
of
ZIM INDUSTRIES INC

Has complied with the provisions of Title 73-3-25 of the Utah Water Rights Law and Section R655-4-3 and R655-4-4 of the Utah Administrative Rules for Water Wells and is hereby registered as a Utah DRILL/PUMP RIG OPERATOR.

DRILL RIG OPERATOR NO. 214
PUMP RIG OPERATOR NO. 214

This registration is non-transferable and expires June 30, 2020



Kent L. Jones, P.E.
State Engineer

**Monterey Peninsula Water Supply Project
Request for Proposals for the Construction of Fitch Park ASR Wells 5 and 6**

- 5.2.3.1.4. Neither the Proposer nor any Project team member is currently suspended or debarred from doing business in the State of California;
- 5.2.3.1.5. There is no action, suit or proceeding, at law or in equity, before any court or similar governmental body, against the Proposer, wherein an unfavorable decision, ruling or finding would have a materially adverse effect on the ability of the Proposer to perform their respective obligations under the Contract or the other transactions contemplated hereby, or which, in any way, would have a materially adverse effect on the validity or enforceability of the obligations proposed to be undertaken by the Proposer, or any Contract or instrument entered into by the Proposer in connection with the transactions contemplated hereby.
- 5.2.3.1.6. No corporation, partnership, individual or association, officer, director, employee, manager, parent, subsidiary, affiliate or principal shareholder of the Proposer has been adjudicated to be in violation of any state or federal anti-trust or similar statute within the preceding five years, or previously adjudged in contempt of any court order enforcing such laws.
- 5.2.3.1.7. The Proposer and all Project team members have reviewed all of the engagements and pending engagements of the Proposer and all Project team members and no potential exists for any conflict of interest or unfair advantage.
- 5.2.3.1.8. No person or selling agency has been employed or retained to solicit the award of the Contract under an arrangement for a commission, percentage, brokerage or contingency fee or on any other success fee basis, except bona fide employees of the Proposer.
- 5.2.3.1.9. The principal contact person who will serve as the interface between CAW and the Proposer for all communications is:

NAME: Robert J. Zimmerman
TITLE: V.P. & Secretary & General Manager
ADDRESS: 4532 E. Jefferson Ave.
Fresno, CA 93725
PHONE: (559) 834-1551
FAX: (559) 834-5156
EMAIL: bob@zimindustries.com

- 5.2.3.1.10. The key technical and legal representatives available to provide timely response to written inquiries submitted and to attend meetings requested by CAW are:

Technical Representative:

NAME: Brian P. Zimmerman
TITLE: V.P. & Drilling Manager
ADDRESS: 4532 E. Jefferson Ave.
Fresno, CA 93725
PHONE: (559) 834-1551
FAX: (559) 834-5156
EMAIL: brian@zimindustries.com

END

LICENSEE

INFO

CONNECTED
MOVED TO
Sec 2
THE QUOTES
'C'

Curt Zimmerer

From: Aaron Sienkiewicz <aaron@millmansteel.com>
Sent: Wednesday, November 14, 2018 1:00 PM
To: Curt Zimmerer
Cc: James Goss
Subject: RE: Request for DBE quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.

Curt,
James out of the Denver office is working on your inquiry

Thank you

Aaron Sienkiewicz

Mill Man Steel, Inc.
(307) 234-6846
(307) 262-4378 Mobile

-----Original Message-----

From: Curt Zimmerer [mailto:curt@zimindustries.com]
Sent: Tuesday, November 13, 2018 3:22 PM
To: Aaron Sienkiewicz
Subject: FW: Request for DBE quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.

Aaron,

There is no requirement for American made pipe. Please quote most cost effective pricing for casing searching both foreign and domestic casing manufacturers.

Also the 3" stainless steel pipe will be Schedule 40 type 304 stainless steel pipe with the following dimensions:

3.50-inch OD (outside diameter)
.22-inch wall thickness
3.068-inch ID (inside diameter)
ASTM standard A-312 or A-778

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551

Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

-----Original Message-----

From: Curt Zimmerer
Sent: Tuesday, November 13, 2018 12:13 PM
To: alberto@mavriken-ex.com
Subject: Request for DBE quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.

Alberto,

Attached is the bid schedule and specs for a project bidding on 11-15-2018 in Monterey, CA. The attached PDF file contains a copy of the material specifications for the water well project bidding Thursday at the Monterey Peninsula Water Supply Project for the construction of Fitch Park ASR Wells 5 and 6. Zim Industries, Inc. is looking for DBEs to provide materials and services on this project. As a DBE your company qualifies as a DBE supplier for this project. Please provide a quotation for the materials listed on the attached PDF file. The well casing on this project is specified Roscoe Moss or equivalent type 304 stainless steel blank and wire-wrap screen supplier, but the conductor is specified A-139, Grade B low carbon steel. In addition, please fill out the information on the Bidder's List of Subcontractors DBE form. Also, please fill out and sign the DBE Subcontractor Performance Form. Finally, please provide proof of DBE current certifications and current declarations. This information is needed no later than 5:00 PM tomorrow as this project bids on November 15, 2018 and has to be federal expressed tomorrow night. Thank you for your assistance and interest. This project requires the listing of WBE, MBE and other designated DBE suppliers. We are definitely going to utilize the most competitive qualified WBE, MBE and DBE supplier in our bid.

I look forward to receiving your quote, certifications and bid forms required by this project.

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any

of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

Curt Zimmerer

From: Curt Zimmerer
Sent: Tuesday, November 13, 2018 2:24 PM
To: 'aaron@millmansteel.com'
Subject: FW: Request for DBE quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.
Attachments: 20181113113710962.pdf

Aaron,

There is no requirement for American made pipe. Please quote most cost effective pricing for casing searching both foreign and domestic casing manufacturers.

Also the 3" stainless steel pipe will be Schedule 40 type 304 stainless steel pipe with the following dimensions:

3.50-inch OD (outside diameter)
.22-inch wall thickness
3.068-inch ID (inside diameter)
ASTM standard A-312 or A-778

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

-----Original Message-----

From: Curt Zimmerer
Sent: Tuesday, November 13, 2018 12:13 PM
To: alberto@mavriken-ex.com
Subject: Request for DBE quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.

Alberto,

Attached is the bid schedule and specs for a project bidding on 11-15-2018 in Monterey, CA. The attached PDF file contains a copy of the material specifications for the water well project bidding Thursday at the Monterey Peninsula Water Supply Project for the construction of Fitch Park ASR Wells 5 and 6. Zim Industries, Inc. is looking for DBEs to provide materials and services on this project. As a DBE your company qualifies as a DBE supplier for this project. Please provide a quotation for the materials listed on the attached PDF file. The well casing on this project is specified Roscoe Moss or equivalent type 304 stainless steel blank and wire-wrap screen supplier, but the conductor is specified A-139, Grade B low carbon steel. In addition, please fill out the information on the Bidder's List of Subcontractors DBE form. Also, please fill out and sign the DBE Subcontractor Performance Form. Finally, please provide proof of DBE current certifications and current declarations. This information is needed no later than 5:00 PM tomorrow as this project bids on November 15, 2018 and has to be federal expressed tomorrow night. Thank you for your assistance and interest. This project requires the listing of WBE, MBE and other designated DBE suppliers. We are definitely going to utilize the most competitive qualified WBE, MBE and DBE supplier in our bid.

I look forward to receiving your quote, certifications and bid forms required by this project.

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

Curt Zimmerer

From: Alberto Rodriguez <Alberto@MavrikEn-Ex.com>
Sent: Tuesday, November 13, 2018 12:03 PM
To: Curt Zimmerer
Subject: Automatic reply: Request for DBE quotes for Lancaster Water Reclamation Plant from Zim Industries, Inc.

I will be out of the office on business from 11/10/18 to 11/18/18 / I will be checking & replying to e-mails when time permits.

If you need immediate assistance please contact:

Aaron Sienkiewicz (307) 234-6846 ^② or Rene Guzman (909) 571-8071 ^①

Thank you

- ① Rene said to talk to Aaron / Curt 11-13-2018 @ 2:02 PM for quotes on pipe.
- ② Left message a message for Aaron to call me back on 11-13-18 @ 2:03 PM
- ③ Aaron called back @ 2:22 PM on 11-13-18 with email address: Aaron @ millmansteel.com

Curt Zimmerer

From: Curt Zimmerer
Sent: Tuesday, November 13, 2018 12:15 PM
To: 'alberto@mavriken-ex.com'
Subject: Request for DBE quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.
Attachments: 20181113113710962.pdf

Alberto,

Attached is the bid schedule and specs for a project bidding on 11-15-2018 in Monterey, CA. The attached PDF file contains a copy of the material specifications for the water well project bidding Thursday at the Monterey Peninsula Water Supply Project for the construction of Fitch Park ASR Wells 5 and 6. Zim Industries, Inc. is looking for DBEs to provide materials and services on this project. As a DBE your company qualifies as a DBE supplier for this project. Please provide a quotation for the materials listed on the attached PDF file. The well casing on this project is specified Roscoe Moss or equivalent type 304 stainless steel blank and wire-wrap screen supplier, but the conductor is specified A-139, Grade B low carbon steel. In addition, please fill out the information on the Bidder's List of Subcontractors DBE form. Also, please fill out and sign the DBE Subcontractor Performance Form. Finally, please provide proof of DBE current certifications and current declarations. This information is needed no later than 5:00 PM tomorrow as this project bids on November 15, 2018 and has to be federal expressed tomorrow night. Thank you for your assistance and interest. This project requires the listing of WBE, MBE and other designated DBE suppliers. We are definitely going to utilize the most competitive qualified WBE, MBE and DBE supplier in our bid.

I look forward to receiving your quote, certifications and bid forms required by this project.

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

BIDDER'S LIST

- Contractor is required to provide the following information for all DBE and non-DBE subcontractors, who provided a proposal, bid, quote, or were contacted by Contractor. This information must be submitted with Contractor's bid.

Prime Contractor: Zim Industries, Inc.
Project: Monterey Peninsula Water Supply Project
Construction of Fitch Park ASR Wells 5 and 6

Firm Name:	_____	Phone:	_____
Business Address:	_____	Fax:	_____
Email:	_____		
License No. and Classification:	_____	Years in Business:	_____
Contact Person:	_____		
Is the firm currently certified as a DBE? <input type="checkbox"/> No <input type="checkbox"/> Yes Cert. Number: _____			
Type of work/ services/ materials proposed by bidder:			

Amount of Bid/Quote: _____			
Date of Bid/Quote: _____			



**Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form**

This form is intended to capture the DBE¹ subcontractor's² description of work to be performed and the price of the work submitted to the prime contractor. A Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractor's bid or proposal package.

Subcontractor Name		Project Name	
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact	
Address			
Telephone No.		Email Address	
Prime Contractor Name		Issuing/Funding Entity	

Contract Item Number	Description of Work Submitted from the Prime Contractor Involving Construction, Services, Equipment or Supplies	Price of Work Submitted to the Prime Contractor
DBE Certified By: <input type="checkbox"/> DOT <input type="checkbox"/> SBA Other: _____		Meets/exceeds EPA certification standards? YES NO Unknown

¹ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

² Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.

EXHIBIT A

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	Date

Subcontractor Signature	Print Name
Title	Date

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.

FORM 4500-3 (DBE Subcontractor Performance Form)

Revised 12/2016

**CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6**

BID SHEET for FITCH PARK ASR-5 AND ASR-6 CONSTRUCTION

BID ADDENDUM NO. 3

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
1	Mobilization	Lump Sum	Lump Sum	\$	\$	\$
2	Noise Control / Sound Barrier	Linear Feet	500	\$	\$	\$
3	36-Inch Diameter Carbon Steel Conductor Casing	Linear Feet	55	\$	\$	\$
4	Pilot Bore Drilling	Linear Feet	1065	\$	\$	\$
5	Geophysical Logging	Lump Sum	Lump Sum	\$	\$	\$
6	Pilot Bore Reaming	Linear Feet	1065	\$	\$	\$
7	Caliper Survey	Lump Sum	Lump Sum	\$	\$	\$
8.1	22-inch Diameter Stainless Steel Blank Casing	Linear Feet	760	\$	\$	\$
8.2	20-inch Diameter Stainless Steel Wire Wrapped Screen	Linear Feet	300	\$	\$	\$
8.3	20-inch Diameter Stainless Steel Blank Casing	Linear Feet	20	\$	\$	\$
8.4	20-inch Diameter Stainless Steel Cellar with Bullnose	Lump Sum	20	\$	\$	\$
8.5	3-inch Diameter Stainless Steel Gravel Tremie Pipe	Linear Feet	750	\$	\$	\$
8.6	3-inch Diameter Stainless Steel Sounding Pipe	Linear Feet	760	\$	\$	\$
8.7	3-inch Diameter Stainless Steel Casing Vent Pipe	Lump Sum	Lump Sum	\$	\$	\$
9	Gravel Pack	Linear Feet	390	\$	\$	\$
10	Cement Grout	Linear Feet	730	\$	\$	\$
11.1	Mechanical Development	Hours	85	\$	\$	\$
11.2	Pumping Development	Hours	100	\$	\$	\$
11.3	Additional Mechanical Development	Hours	XX Hours	\$	XXXX	XXXX
11.4	Additional Pumping Development	Hours	XX Hours	\$	XXXX	XXXX

**CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6**

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
12	Production Testing	Hours	16	\$	\$	\$
13	Disinfection of Well	Lump Sum	Lump Sum	\$	\$	\$
14	Wellhead Completion and Installation of Pump/Motor and FCV Assembly	Lump Sum	Lump Sum	\$	\$	\$
14.A	Well Pump/Motor and FCV Assembly	Allowance	Allowance	\$300,000	\$300,000	\$600,000
14.B	Percent Markup Over Invoiced Cost for Well Pump/Motor and FCV Assembly	Percent	Percent	%	%	%
14.C	Markup Amount (amount entered in 14.A times percent entered in 14.B)	Lump Sum	Lump Sum	\$	\$	\$
15	Downhole Velocity Surveys	Lump Sum	Lump Sum	\$	\$	\$
16	Acceptance Video Surveys	Lump Sum	Lump Sum	\$	\$	\$
17	Plumbness and Alignment	Lump Sum	Lump Sum	\$	\$	\$
18	Standby Time	Hours	XX Hours	\$	XXXX	XXXX
19	Site Cleanup	Lump Sum	Lump Sum	\$	\$	\$
20	Fluid and Cuttings Containment and Disposal	Lump Sum	Lump Sum	\$	\$	\$
21	Temporary Discharge Pipeline	Lump Sum	Lump Sum	\$	XXXX	\$
22	Traffic Control Plan	Lump Sum	Lump Sum	\$	\$	\$
23	Connect pipe extension & valves to Temporary Water Supply, and construction water consumption	Allowance	Allowance	\$	\$10,000	\$20,000
24	Temporary 7' height Perimeter Site Security, Chain Link Fencing & Double Leaf Gates, lockable	Lump Sum	Lump Sum	\$	\$	\$
25	Community Outreach Plan & Attend Meetings	Allowance	Allowance	\$	\$3000	\$6000
26	Prepare & implement BMP's and Storm Water Pollution Prevention Plan (SWPPP)	Lump Sum	Lump Sum	\$	\$	\$
Total Amount Bid:					\$	\$

CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
Total In Words:						

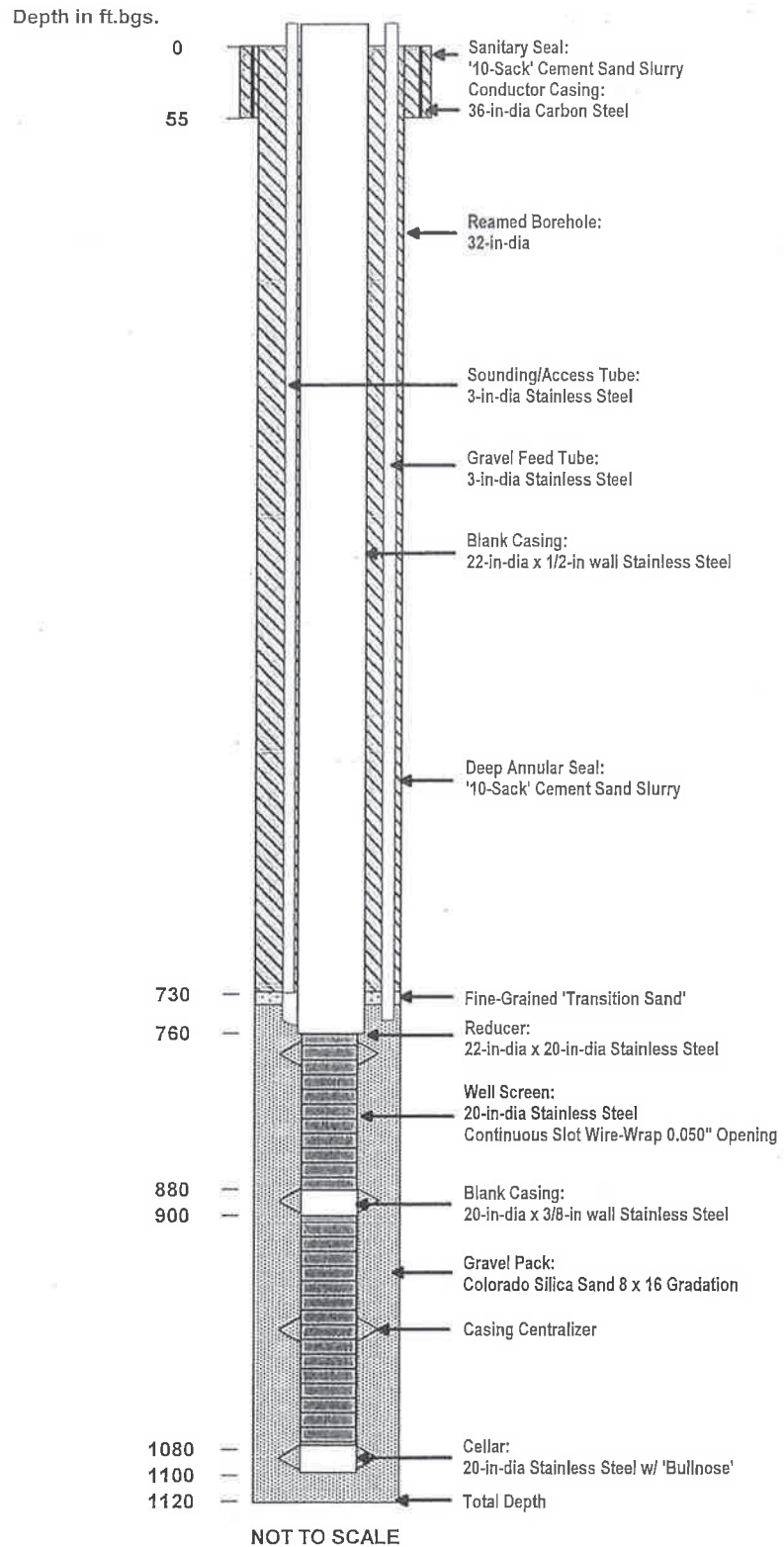


FIGURE 3. PRELIMINARY WELL DESIGN SCHEMATIC
 Fitch Park ASR-5 and ASR-6 Project
 California American Water





The drill rig utilized must have the ability to fully lift and land the anticipated casing loads without the use of float plugs or other similar methods. All drill pipe must utilize threaded flush or upset tool joints, or equal, as approved by the Owner's Technical Representative (OTR).

SECTION 105 - CONSTRUCTION SCHEDULE

Construction activities are anticipated to start in **4th Quarter 2018** following approval of the project.

Drilling efficiency and rapid advance rates both for the pilot hole and reamed borehole are critical to the successful completion of hydraulically efficient wells. Accordingly, the Contractor shall conduct construction operations on a 24-hour per day, 7-day per week basis, and without significant delays, starting with the commencement of pilot hole drilling (after setting the surface conductor casing) and continuing until the initial mechanical development of the well (airlift swabbing) is completed. Work must begin within thirty (30) consecutive calendar days of notice to proceed and all work must be completed within one hundred eighty (180) calendar days from the commencement of work activities.

A construction schedule must be submitted with the bid in order for the bid to be considered responsive.

SECTION 106 - OVERVIEW OF WORK TO BE DONE

SECTION 106.1 - REQUIREMENTS OF WORK

Work includes the furnishing of all materials, labor, equipment, fuel, tools, transportation, and services for drilling, construction, development, testing, and completion of the well as described in these specifications.

While the final design of the wells may change, the general work required applicable to **each** of the project wells include:

- 1) The Contractor shall obtain the necessary well drilling permits from the County of Monterey Environmental Health Department.
- 2) Move equipment on (and off) of the site.
- 3) Furnish and install a temporary sound barrier. The sound barrier shall be a minimum 24 feet high, approximately 500 lineal feet, with minimum sound transmission class (STC) rating of 25.
- 4) Drill and install a 36-inch outside diameter, steel conductor (surface) casing to a total depth of 55 feet, below ground surface (bgs). The borehole for the conductor casing shall have a minimum diameter of 46 inches. Place a cement-grout annular seal in the space between the conductor casing and the borehole wall, from the bottom of the conductor casing to the ground surface.
- 5) Drill a pilot borehole to a total depth of 1,120 feet bgs (total footage of 1,065 feet, starting at the base of the conductor casing of 55 feet, bgs). Pilot borehole shall have

ATTACHMENT C



- a maximum diameter of 18 inches. Collect drill cuttings, and maintain a detailed pipe tally, drilling time log, drilling fluid log, and drill cuttings log.
- 6) Provide for, and assist with, a geophysical borehole log of the pilot bore using spontaneous potential (SP), resistivity, and natural gamma surveys of the pilot hole.
 - 7) Ream pilot bore to a diameter of 32 inches to a total depth of 1,120 feet (total ream footage of 1,065 feet).
 - 8) Install well casing and screen, in accordance with the following schedule: 1) 760 feet of 22-inch diameter, stainless steel (Type 304) blank casing; 2) 300 feet of 20-inch diameter, stainless steel (Type 304) wire-wrapped well screen; 3) 20 feet of 20-inch diameter, stainless steel (Type 304) blank casing (20-ft separation between two screened sections) and 4) 20 feet of 20-inch diameter, stainless steel (Type 304) blank cellar pipe with a bullnose.
 - 9) Install 3-inch diameter, stainless steel (Type 304) gravel feed and sounding tubes to depths of approximately 750 feet bgs and 760 feet bgs, respectively.
 - 10) Install gravel pack from the bottom of the reamed hole up to a depth of approximately 735 feet below ground surface.
 - 11) Place approximately 5 feet of 'transition' sand above the top of the gravel pack.
 - 12) Place approximately 730 feet of cement grout sanitary seal.
 - 13) Develop the well by air-lifting/swabbing and pumping.
 - 14) Provide and install temporary discharge piping for conveying water produced during development and test pumping to a surface spreading location.
 - 15) Install and remove test pump for final development and well performance aquifer testing.
 - 16) Provide for, and assist with, conducting velocity (spinner) survey during step production testing.
 - 17) Provide for, and assist with, conducting an alignment survey of the completed well.
 - 18) Provide for, and assist with, conducting an acceptance video survey of the completed well.
 - 19) Disinfect the well.
 - 20) Provide wellhead completion, pump foundation and permanent pump assembly.
 - 21) Provide temporary discharge piping and energy dissipater(s) for development and test pumping discharges.
 - 22) Clean up the sites.
 - 23) Contain and legally dispose drilling fluids and cuttings offsite.
 - 24) Fulfill all well drilling permit requirements, including the preparation and filing of a Department of Water Resources Well Completion Report.



The tentative casing schedules for the FP ASR-5 and ASR-6 wells is as follows:

Interval (depth in ft below ground surface)	Material
0 to 760	22-inch diameter, ½-inch wall thickness, TYPE 304 STAINLESS STEEL blank casing
760 to 880	20-inch diameter, TYPE 304 STAINLESS STEEL wire-wrapped well screen, with 0.050-inch slots
880 to 900	20-inch diameter, 3/8 wall thickness, TYPE 304 STAINLESS STEEL blank casing
900 to 1080	20-inch diameter, TYPE 304 STAINLESS STEEL wire-wrapped well screen, with 0.050-inch slots
1080 to 1100	20-inch diameter, 3/8 wall thickness, TYPE 304 STAINLESS STEEL blank cellar with bullnose

A depiction of the proposed FP ASR-5 and ASR-6 wells is presented on **Figure 3**. The Contractor is advised that the proposed design of the wells presented above is based on information available at the time of development of these specifications. Although no significant changes are anticipated, the final designs of the wells may be altered based on the conditions at the site as determined through the pilot hole drilling and the new geophysical surveys.

SECTION 107 - OTHER WORK REQUIRED

In addition to the work described in Section 106, the Contractor will be responsible for other work that will be required during the construction of the well.

The Contractor shall contact Underground Services Alert (USA) at least 3 days prior to any drilling or excavation at the site.

The Contractor shall prepare the site in a manner as to provide adequate work space, safe working conditions, site ingress/egress and sufficient containment and storage of drilling cuttings and fluids. The Contractor shall also implement, install, and maintain Best Management Practices (BMPs) for the control of nuisance water and storm water. The BMPs shall be adequate to prevent erosion and runoff of sediment laden water from the work site. During construction, washing of concrete trucks, equipment, or similar activities shall occur only in areas where wash water can be contained on site.

The Fitch Park ASR sites contain numerous trees and shrubs that may need to be removed or trimmed in order to provide sufficient unobstructed space for equipment and materials. Prior to Contractor mobilization, OWNER will retain an arborist to trim or remove trees and/or shrubs, and to identify which plant species require protection during project activities. If required, OWNER will install protective fencing around sensitive plants or trees. It shall be the Contractor's responsibility to avoid protected areas and maintain the protective fencing during the course of the project.



SECTION 203 - CONDUCTOR (SURFACE) CASING

203 - CONDUCTOR (SURFACE) CASING, BID ITEM NO. 3

SCOPE

The Contractor shall furnish all equipment, material, and work necessary to install the surface conductor casing as shown on the Drawings and specified herein. Prior to drilling of the pilot hole, the Contractor shall bore a 42-inch-minimum-diameter hole from ground surface to a depth of 55 feet bgs, or as directed by the OTR, in which a surface conductor casing shall be installed.

MATERIALS

The conductor casing shall be a minimum 36 inches outside-diameter steel pipe having a wall thickness of not less than 0.375-inch (3/8-inch) and a below ground length of not less than 55 feet. Conductor casing shall be manufactured in accordance with ASTM Designation A-139, Grade B, without copper. All joints in the conductor casing shall be securely welded and shall be watertight.

Cement grout shall be composed of not more than 3 cubic feet of sand and 1 cubic foot (one sack) of Portland cement to 5 to 7 gallons (0.67 to 0.90 cubic feet) of clean water. This is typically considered to be a 10-sack Portland cement sand slurry mix when ordered from batching plants. Bentonite, to make the mix more fluid and reduce shrinkage, may be used to a total of 5 percent (5%) of the volume of the cement. If 5 percent bentonite is used, water content can be increased to 8.2 gallons per sack of cement.

PLACEMENT

Prior to drilling the conductor casing holes, the Contractor shall pothole the hole locations prior to installation to ensure no underground utilities will be impacted. During placement of the conductor casing, field joints shall be either collared or plain-end, and welded together. Centering guides shall be welded to the conductor casing with a minimum of two sets of guides (one near the bottom and one near the top). Each set will consist of three guides equally spaced circumferentially.

After the conductor casing has been installed, cement grout shall then be injected in the annular space between the inner casing and the borehole from bottom to top by means of a tremie pipe. Cement grout material shall be placed by the positive displacement pumping method in one continuous operation. Upon completion of cementing, concrete shall be visible above the surface of the ground outside the conductor casing. After cementing operations are completed, the concrete shall be left undisturbed for a period of not less than 12 hours before drilling is resumed.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



MEASUREMENT AND PAYMENT

Full compensation for doing all work and furnishing all materials necessary to manufacture, deliver, and install the 36-inch surface conductor casing as specified shall be included in the unit bid price per linear foot for "Conductor (Surface) Casing" - Bid Item No. 3.



SECTION 208 - WELL CASINGS AND SCREENS

208 - WELL CASINGS AND SCREENS - BID ITEM NOS. 8.1 THROUGH 8.7SCOPE

The Contractor shall furnish all materials and work necessary to manufacture, deliver, and install well casing, reducers, screens, cellar pipes and caps, tremie pipes and sounding pipes as shown on the drawings and in accordance with these Specifications.

Quantity (Linear Feet)	Item	Bid Item No.
760	22-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CASING	8.1
300	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL WIRE-WRAP WELL SCREEN, 0.050-INCH SLOTS	8.2
20	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CASING	8.3
20	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CELLAR WITH BULLNOSE	8.4
750	3-INCH-DIAMETER, STAINLESS STEEL PERMANENT GRAVEL TUBE	8.5
760	3-INCH-DIAMETER, STAINLESS STEEL PERMANENT SOUNDING TUBE	8.6
3	3-INCH-DIAMETER, TYPE 304 STAINLESS STEEL CASING VENT PIPE	8.7

MATERIALS

22-Inch-Inside-Diameter Stainless Steel Blank Well Casing. The 22-inch diameter blank casing shall be of TYPE 304 stainless steel construction, in accordance with ASTM A-312 or A-778, with minimum 0.5-inch (1/2-inch) wall thickness.

20-Inch-Nominal-Diameter Stainless Steel Wire Wrapped Well Screen. Well screen shall be 20-inch-nominal-diameter stainless steel, TYPE 304. Screen opening width shall be 0.050-inch. The well screen shall be of the continuous slot, welded, wire-wrapped design, and of construction to provide sufficient tensile and collapse strength. Vertical rods shall be 0.25-inch diameter and consist of 84 rods circumferentially (minimum). For the No. 50 slot screen (0.050-inch), the minimum open area requirement is 155 square inches per linear foot. The tolerance for the final slot size selected shall be ± 0.005 inches. It is the Contractor's sole



responsibility to ensure the well screen has sufficient tensile and collapse strength to be assembled, landed, and installed without damage to casing, screen, or borehole.

20-Inch-Nominal-Diameter Stainless Steel Blank Well Casing. The 20-inch diameter blank casing shall be of TYPE 304 stainless steel construction, in accordance with ASTM A-312 or A-778, with minimum 0.375-inch (3/8-inch) wall thickness.

20-Inch-Nominal Diameter Stainless Steel Cellar Pipe and Cap. The stainless steel cellar pipe shall be 20-inch-nominal-diameter in size and 20 feet in length, and manufactured of TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778. The wall thickness shall be minimum 0.375-inches (3/8-inches). The bottom of the well casing shall be fitted with a bullnose plug welded in place.

3-Inch-Inside-Diameter Stainless Steel Gravel Feed Tube. A permanent gravel tremie pipe shall be installed. The tremie pipe will be manufactured of TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778, and extend to a depth of approximately 750 feet bgs, as shown on Figure 3.

3-Inch-Inside-Diameter Stainless Steel Sounding Tube. The sounding tube shall consist of 3-inch-inside-diameter, TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778 and extend to a depth of approximately 760 feet bgs, as shown on Figure 3.

3-Inch-Inside-Diameter Stainless Steel Chlorination Access Pipe. A permanent access pipe shall be installed. The access pipe will be constructed of 3-inch-inside-diameter, TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778.

Upon completion of reaming the pilot bore, the Contractor shall install the well screen and casing at intervals as determined by the OTR. The proposed well design is shown on Figure 3. The final design will be established upon review of the pilot hole geophysical log.

The casing and screen shall be plumb and shall be centered in the hole. All field joints shall be properly lapwelded during installation with a minimum of two passes per circumference. Centralizers with 120-degree spacing, attached directly to the casing and screen by welding at intervals of not more than 60 feet within the screened casing and at intervals of not more than 80 feet within the blank casing shall be provided in order to center and hold the casing in the proper position until the gravel is in place. The centralizers shall be of the same material used in each casing or screen interval. Casing centralizers shall be placed up to a depth of approximately 80 feet below ground surface.

The casing shall be suspended in tension from the surface by means of an appropriate hanger or clamp. The bottom of the casing shall be at a sufficient distance above the bottom of the reamed hole to ensure that none of the casing will be supported from the bottom of the hole. The use of float plugs to land and set casing will not be permitted.



A construction tremie pipe will be installed to place the gravel pack and the cement grout in the annulus. Prior to final gravel packing operations, the permanent gravel tremie pipe will be installed. The remainder of the gravel will then be installed. The top of the permanent tremie pipe will extend a minimum of 20 inches above ground surface and be equipped with a screw-on cap. The gravel tube shall not be 'topped off' with gravel, but shall be left empty. The Contractor shall ensure that the permanent gravel tube is maintained free and clear through cementing operations by continuously running clear water through the permanent gravel tube during gravel packing and cementing operations.

A permanent sounding pipe will be connected to the casing at the approximate location shown on **Figure 3** and will be lowered simultaneously with the emplacement of the casing. The sounding pipe will be provided with a minimum 6-foot-long reinforced connection (entry box) to the steel casing, as shown on **Figure 4**. The bottom of the entry box shall be between 12 and 24 inches from the bottom of the blank casing joint to which it is attached. The inside joined surfaces of the entry box and casing shall be filled and ground smooth to the satisfaction of the OTR so as to not damage downhole wirelines and associated tools (e.g., video cameras, spinner tools, etc.). Ground surface orientation of the gravel and sounding tubes shall be 90 degrees apart as shown on **Figure 5**. The top of the sounding pipe shall be terminated as shown on **Figure 5**.

A permanent casing vent pipe will be connected to the casing as shown on **Figure 5**.

The top of the casing will be provided with a welded cap at all times when personnel are not on the site.

All casing material shall be new.

If, for any reason, the casing cannot be landed in the correct position or at a depth acceptable to the OTR, or any of the casings should collapse prior to well completion, the Contractor shall construct another well immediately adjacent to the original location and complete this well in accordance with the specifications at no additional cost to OWNER. The abandoned hole shall be sealed in accordance with directions from OWNER and in accordance with any laws pertaining to proper well abandonment.

All work required to be repeated and all additional materials, labor, and equipment required, shall be furnished at the expense of the Contractor and no claim for additional compensation shall be made or be allowed, except as specifically provided herein.

All field welding shall be performed in accordance with American Welding Society Standards by a certified welder.

The following field welding procedures shall apply:

- A length shall be lowered into the well with the collar facing upward.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



- The plain end of the following length shall be inserted in the collar. True contact of the two joints must be verified by observation through the inspection windows.
- Spot welds shall be placed through the three windows in order to hold the contact position.
- A filet type weld shall be made covering the top edge of the collar continuously for the entire circumference. Two passes or welds shall be applied to 5/16-inch and thicker wall material.
- The inspection windows on blank casing sections shall be seal-welded to assure a leak-proof connection.

The following electrodes shall be utilized for various casing and screen materials.

Mild Steel	E-6011 or E-7018
Copper Bearing Steel	E-6011 or E-7018
Low Alloy Steel (ASTM A242 or equivalent)	E-7018
Stainless Steel (Type 304)	E-308L-16

Depending on wall thickness, the following electrode sizes shall apply:

<u>Wall Thickness</u>	<u>Electrode Size</u>
1/8-inch	1/8-inch
3/16- to 1/4-inch	5/32- to 3/16-inch
over 1/4-inch	3/16- to 1/4-inch

TESTING

Not applicable.

SUBMITTALS

The Contractor shall supply the OTR with an affidavit of compliance stating the casing, screen, pipe and cap comply with the applicable requirements of ASTM Standards. Contractor shall also submit qualifications and evidence of current certification of the welder(s).

MEASUREMENTS

For the purposes of payment, measurements of casing, screen, and pipes, shall be per linear foot.

PAYMENT

Full compensation for doing all work and furnishing all materials necessary to manufacture, deliver, and install well casing and screens as shown on the drawings and as specified shall be included in the unit price bid per linear foot for: 22-Inch-Inside-Diameter

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



Stainless Steel Blank Casing - Bid Item No. 8.1; 20-Inch-Nominal-Diameter Stainless Steel Wire-Wrapped Well Screen - Bid Item No. 8.2; 20-Inch-Nominal-Diameter Stainless Steel Blank Casing - Bid Item No. 8.3; 20-Inch-Nominal-Diameter Stainless Steel Cellar and Bullnose - Bid Item No. 8.4; 3-Inch-Inside-Diameter Stainless Steel Gravel Tube - Bid Item No. 8.5; 3-Inch-Inside Diameter Stainless Steel Sounding Tube - Bid Item No. 8.6; and 3-Inch-Inside Diameter Stainless Steel Access Pipe - Bid Item No. 8.7.



5 C - Drilling & Transportation Services
 9530 Hageman Road, Suite B-368 Bakersfield, CA 93312

Phone (661) 401-0226

License# 938158-C61/D09, SBE# 1800205/LASBE/EBE

WBE# 16000428/WOSB, DIR# 1000028859

Rate Sheet

To: Zim Industries

Job: Conductor

Project: Monterey Peninsula Water Supply Project

Attn: Curt Zimmerer

Phone: 559-351-3427

Email: curt@zimindustries.com

Scope of work: Drilling 2 - 46" - 48" x 55' conductor - prevailing wage. Polymer or gel to be provided by Zim Industries

<i>Item</i>	<i>Rate</i>	<i>Unit</i>	<i>Project Estimate</i>
1 Drilling including mobilization	\$ 375.00	hourly	\$ 6,375.00
2 Drilling including mobilization - Over time	\$ 425.00		\$ 3,825.00
3 Drilling including mobilization - Double Time	\$ 475.00		
4 Polymer	\$ 30.00	gallon	
5 Gel	\$ 20.00	sack	
6 3rd party services and materials	20% mark up		
7 Supervisor	\$ 92.00	hourly	\$ 1,472.00
8 USA Dig Alert	\$ 75.00	hourly	\$ 150.00
9 Teeth	\$ 25.00	per tooth	\$ 500.00
10 Welder	\$ 85.00	hourly	
11 Centralizers	\$ 10.00	each	
12 Steel Lid	\$ 350.00	each	
13 Per Diem	\$ 200.00	each employee	\$ 1,200.00
Project Estimate			\$ 13,522.00

Specific Conditions:

- 1 Teeth will be charged in rock drilling conditions
- 2 An authorized contractor's representative shall endorse 5C's work tickets and field change orders daily. These tickets shall form the basis for 5 C Invoices.
- 3 Payment Terms are Net 30 for all work completed
- 4 Past due invoices are subject to 1.5% per month finance charge (18% per year).

5 C Holdings, Inc.
 Casey Hogg

Date: 11/14/2018

Accepted:

By: _____

Title: _____

Date: _____

General Conditions:

Unless specifically included, modified or amended on page one of the attached proposal, 5 C Holdings, Inc. (hereinafter referred to as 5C) proposes to provide labor, equipment and/or materials to perform work as described therein, subject to the following conditions:

1. General contractor to provide safe and reasonable access for ingress and egress of track mounted drill rig to shaft locations including swing radius and for support equipment including but not limited to cranes, material trucks, concrete trucks and pumps. All field engineering and layout, including shaft locations and elevations, shall be established prior to and maintained during drilling operations at no expense to 5C.
2. Continuous spoils removal to be performed by others so as not to interfere with drilling operations.
3. Maximum vertical and horizontal distance from track or wheels from drill rig not to exceed 6' foot.
4. Shafts not completely filled with concrete are to be protected and covered by others so as to insure against accident or injury.
5. 5C assumes no responsibility for damage to underground utilities. General contractor to locate and remove or reroute underground utilities so as not to interfere with drilling operations. Delays resulting there from will be charged for at the delay and obstruction rate stated on page one of the attached proposal.
6. Provisions for electrical power, water supply, dewatering, sumps and/or drains shall be provided by others.
7. The attached proposal is based on drilling with standard earth augers in soil free of rock, water, caving, man-made obstructions, pressurized groundwater/artesian well(s) or other conditions that might impede the "normal" drilling process. Drilling requiring use of rock augers, coring tools, drilling fluids, casing or other specialized tools, equipment, or procedures will be charged for at the delay and obstruction rate stated on page one of the attached proposal.
8. General Contractor to notify Dig Alert (811 or www.digalert.org) a minimum of 72 hours prior to 5C arriving onsite. All locations where 5C is to drill must be delineated in white paint by the General Contractor and the Dig Alert reference number supplied to 5C immediately.
9. The attached proposal is based on one mobilization to jobsite and continuous uninterrupted drilling operations, 8 hour day, 40 hour week, Saturdays, Sundays and Holidays excluded.
10. Should conditions be encountered during the performance of 5C's work which differ from those (a) specified by the contract documents or soils data provided to 5C which are not a part of the contract documents, or (b) those ordinarily encountered and generally recognized as inherent in work of the character provided in the contract, an equitable adjustment and time extension will be made to cover the resulting costs.
11. Laboratory analysis, field-testing and inspections, including overtime shall be provided and paid for by others.
12. Traffic control including but not limited to flagmen, barricades, barriers, street closure permits or permission to encroach to be provided and paid for by others.
13. All required licenses, permits, bonds and inspections to be provided and paid for by others.
14. Unless negligent, 5C assumes no responsibility for damage to existing improvements or structures above or below grade. Temporary shoring, permanent shoring and underpinning not specifically included in the attached proposal are excluded.
15. Drilled shafts shall be accepted or rejected by an authorized contractor/owner representative upon individual completion. Subsequent authorization for placement of materials into shafts will constitute final approval and any corrective work required thereafter will be performed at additional expense.
16. Anchor bolts, dowels, keyways or any formwork above top of pile concrete/bottom of pile cap is excluded.
17. Minimum 10" clear travel space through center of rebar cages for entire length of shaft will be required when concrete is provided and/or placed by 5C. Rebar cages are to be placed within 10 feet of 5C's equipment and of sufficient strength to maintain shape during hoisting. Costs for splicing or coupling of angles or hooks at top of steel is excluded should temporary casing be required. Spacers, dobies, wheels or other required centering devices for rebar cages shall be provided by others. Sandblasting or cleaning of rebar cages is excluded. Any required PVC or steel inspection tubes for gamma-gamma or cross hole sonic logging shall be provided, installed and routed by others. Any gamma-gamma, CSL
18. Hand cleaning of shaft bottoms is excluded. Any drilling fluids, slurry, contaminated concrete, spoils either solid or liquid shall be removed from the jobsite by others unless specifically included in this proposal.
19. Unless specifically included in the attached proposal, costs for concrete pumping is excluded.
20. General Liability Insurance limit of \$1,000,000.00; Automobile Liability/Worker's Compensation insurance limits of \$1,000,000.00 with excess liability limits of \$4,000,000.00 are included in the attached proposal. Standard additional insured endorsements for general liability will be issued, as required by written contract only, on form VE0182-03/04 at no additional charge. Other endorsements such as Primary wording, waivers of subrogation or additional insured endorsements for automobile liability may be available for an additional charge and/or with prior approval from our insurance carrier. Additional costs of other endorsements or any special insurance requirements in excess of our normal
21. An authorized contractor's representative shall endorse 5C's work tickets and field change orders daily. These tickets shall form the basis for 5C invoices. No back charges will be accepted unless signed for by an authorized representative of 5C.
22. Payment terms are Net 30 for all work completed. Past due invoices are subject to 1.5% per month finance charge (18% per year).
23. No liquidated damages may be assessed against 5C unless specifically agreed to in contract documents. 5C shall not be responsible for consequential or incidental damages.

- 24. If through no fault of 5C, we are unable to complete the work as described, we may terminate this agreement by written notice and shall be paid for the percentage of work completed including unrecoverable costs of materials.
- 25. All items not specifically included in the attached proposal are excluded. Any deviation from said proposal is to be approved by both parties. Said proposal is to become a part of any agreement issued to 5C.
- 26. Any controversy or claim arising out of or related to the contract, or the breach thereof, shall be settled by arbitration in accordance with the Construction Industry Arbitration Rules of the American Arbitration Association, and judgment upon the award rendered by the arbitrator or arbitrators may be entered in any court having jurisdiction thereof.
- 27. In the event that suit is instituted to enforce payment, the prevailing party shall be entitled to reasonable attorney fees together with costs of suit.
- 28. 5C shall receive written notice to proceed 30 calendar days prior to mobilization to jobsite.
- 29. The attached proposal is valid for seven calendar days from date submitted unless extended in writing by 5C.
- 30. Any and all retention amounts withheld, shall be released to 5C within 35 days upon completion of our work.

Customer Initials: _____
5 C Holdings: _____

BIDDER'S LIST

- Contractor is required to provide the following information for all DBE and non-DBE subcontractors, who provided a proposal, bid, quote, or were contacted by Contractor. This information must be submitted with Contractor's bid.

Prime Contractor: Zim Industries, Inc.
Project: Monterey Peninsula Water Supply Project
Construction of Fitch Park ASR Wells 5 and 6

Firm Name:	<u>SC - Drilling & Transportation Services</u>	Phone:	<u>408 438 8392</u>
Business Address:	<u>9530 Hageman Blvd</u>	Fax:	<u>408 588 6455</u>
Email:	<u>Camie@scn-inc.com Bakersfield CA 93312</u>		
License No. and Classification:	<u>938158 CCL/D09</u>	Years in Business:	<u>9</u>
Contact Person:	<u>Camie Hoys</u>		
Is the firm currently certified as a DBE?	No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Cert. Number:	<u>14000428</u>
Type of work/ services/ materials proposed by bidder:	<u>drilling & setting of conductor</u>		
Amount of Bid/Quote:	_____		
Date of Bid/Quote:	_____		

EXHIBIT A



Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form

This form is intended to capture the DBE¹ subcontractor's² description of work to be performed and the price of the work submitted to the prime contractor. A Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractor's bid or proposal package.

Subcontractor Name 5C Holdings Inc		Project Name Monterey Peninsula Water Supply	
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact Cami Hogg	
Address 9530 Hageman Rd B368 Bakersfield CA 93312			
Telephone No. 661 438 8392		Email Address camu@5ch-inc.com	
Prime Contractor Name Am Industries		Issuing/Funding Entity	

Contract Item Number	Description of Work Submitted from the Prime Contractor Involving Construction, Services, Equipment or Supplies	Price of Work Submitted to the Prime Contractor
	drilling & setting of conductors	
DBE Certified By: <input type="checkbox"/> DOT <input checked="" type="checkbox"/> SBA Other: WBE		Meets/exceeds EPA certification standards? YES NO Unknown

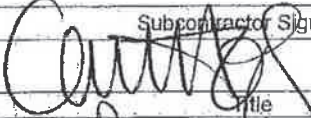
¹ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

² Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.

EXHIBIT A

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	Date

Subcontractor Signature	Print Name
	Camille Hogg
Title	Date
President	11-14-18

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.

FORM 4500-3 (DBE Subcontractor Performance Form)

Curt Zimmerer

From: Cami Hogg <cami@5ch-inc.com>
Sent: Wednesday, November 14, 2018 2:38 PM
To: Curt Zimmerer
Cc: casey Hogg
Subject: RE: Request for DBE quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.
Attachments: Monterey Peninsula DBE docs.pdf; Monterey Peninsula Water Supply Project.pdf

Curt

Attached is the proposal and DBE forms.

Respectfully,

Cami Hogg
President

License 938158 - C61/D09

SBE(micro) #1800205/LASBE/EBE
WBE #16000428/ WOSB
DIR # 1000028859

"2018 Energy Services Business of the Year"

5 C - Drilling and Transportation Services Mailing | 9530 Hageman Road, Suite B-368 | Bakersfield, CA 93312 Shop | 30728 Imperial Street | Shafter, CA | 93263 Tel 661-438-8392 | Fax 661-588-6455 | Cell 661-978-6555
Email: cami@5ch-inc.com | Site: www.5ch-inc.com

-----Original Message-----

From: Curt Zimmerer <curt@zimindustries.com>
Sent: Wednesday, November 14, 2018 2:04 PM
To: Cami Hogg <cami@5ch-inc.com>
Subject: FW: Request for DBE quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.

Cami,

Please send quote for two conductor boreholes in Monterey, CA. I need bid today as the project bids tomorrow.

Thank you.

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

-----Original Message-----

From: Curt Zimmerer
Sent: Tuesday, November 13, 2018 12:28 PM
To: 'cami@5ch-inc.com' <cami@5ch-inc.com>
Subject: Request for DBE quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.

Cami,

Attached is the bid schedule and specs for a project bidding Thursday at Monterey, CA. The attached PDF file contains a copy of the material specifications for the water well project bidding on 11-15-2018 at the Monterey Peninsula Water Supply Project for the Construction of Fitch Park ASR wells 5 and 6. Zim Industries, Inc. is looking for DBEs to provide conductor drilling services on this project. As a DBE your company qualifies as a DBE supplier for this project. Please provide a quotation for the services listed on the attached PDF file. In addition, please fill out the information on the Bidder's List of Subcontractors DBE form. Also, please fill out and sign the DBE Subcontractor Performance Form. Finally, please provide proof of DBE current certifications and current declarations. This information is needed no later than 5:00 PM tomorrow as this project bids on November 15, 2018 and has to be federal expressed tomorrow night. Thank you for your assistance and interest. This project requires the listing of WBE, MBE and other designated DBE suppliers. We are definitely going to utilize the most competitive qualified WBE, MBE and DBE supplier in our bid.

I look forward to receiving your quote, certifications and bid forms required by this project.

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

Curt Zimmerer

From: Curt Zimmerer
Sent: Tuesday, November 13, 2018 12:28 PM
To: 'cami@5ch-inc.com'
Subject: Request for DBE quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.
Attachments: 20181113113758749.pdf

Cami,

Attached is the bid schedule and specs for a project bidding Thursday at Monterey, CA. The attached PDF file contains a copy of the material specifications for the water well project bidding on 11-15-2018 at the Monterey Peninsula Water Supply Project for the Construction of Fitch Park ASR wells 5 and 6. Zim Industries, Inc. is looking for DBEs to provide conductor drilling services on this project. As a DBE your company qualifies as a DBE supplier for this project. Please provide a quotation for the services listed on the attached PDF file. In addition, please fill out the information on the Bidder's List of Subcontractors DBE form. Also, please fill out and sign the DBE Subcontractor Performance Form. Finally, please provide proof of DBE current certifications and current declarations. This information is needed no later than 5:00 PM tomorrow as this project bids on November 15, 2018 and has to be federal expressed tomorrow night. Thank you for your assistance and interest. This project requires the listing of WBE, MBE and other designated DBE suppliers. We are definitely going to utilize the most competitive qualified WBE, MBE and DBE supplier in our bid.

I look forward to receiving your quote, certifications and bid forms required by this project.

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

BIDDER'S LIST

- Contractor is required to provide the following information for all DBE and non-DBE subcontractors, who provided a proposal, bid, quote, or were contacted by Contractor. This information must be submitted with Contractor's bid.

Prime Contractor: Zim Industries, Inc.
Project: Monterey Peninsula Water Supply Project
Construction of Fitch Park ASR Wells 5 and 6

Firm Name:	<u>5C-Drilling & Transportation Services</u>	Phone:	_____
Business Address:	_____	Fax:	_____
Email:	_____		
License No. and Classification:	_____	Years in Business:	_____
Contact Person:	_____		
Is the firm currently certified as a DBE? <input type="checkbox"/> No <input type="checkbox"/> Yes Cert. Number: _____			
Type of work/ services/ materials proposed by bidder: _____ _____			
Amount of Bid/Quote:	_____		
Date of Bid/Quote:	_____		



Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form

This form is intended to capture the DBE¹ subcontractor's² description of work to be performed and the price of the work submitted to the prime contractor. A Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractor's bid or proposal package.

Subcontractor Name		Project Name	
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact	
Address			
Telephone No.		Email Address	
Prime Contractor Name		Issuing/Funding Entity	

Contract Item Number	Description of Work Submitted from the Prime Contractor Involving Construction, Services, Equipment or Supplies	Price of Work Submitted to the Prime Contractor
DBE Certified By: <input type="checkbox"/> DOT <input type="checkbox"/> SBA Other: _____		Meets/exceeds EPA certification standards? YES NO Unknown

¹ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

² Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.

EXHIBIT A

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	Date

Subcontractor Signature	Print Name
Title	Date

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.

FORM 4500-3 (DBE Subcontractor Performance Form)

**CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6**

BID SHEET for FITCH PARK ASR-5 AND ASR-6 CONSTRUCTION

BID ADDENDUM NO. 3

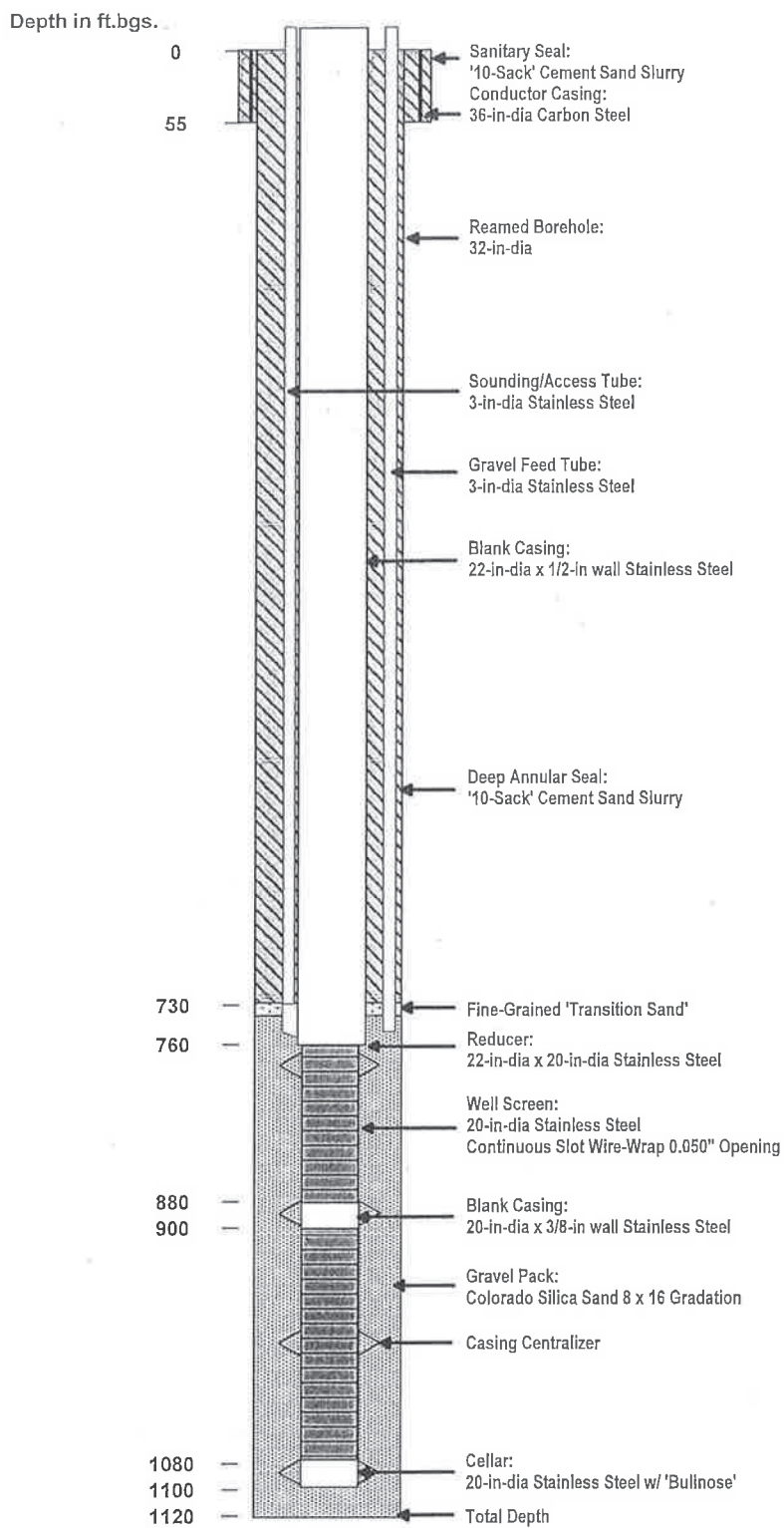
Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
1	Mobilization	Lump Sum	Lump Sum	\$	\$	\$
2	Noise Control / Sound Barrier	Linear Feet	500	\$	\$	\$
3	36-Inch Diameter Carbon Steel Conductor Casing	Linear Feet	55	\$ <i>Borehole Drilling</i>	\$	\$
4	Pilot Bore Drilling	Linear Feet	1065	\$	\$	\$
5	Geophysical Logging	Lump Sum	Lump Sum	\$	\$	\$
6	Pilot Bore Reaming	Linear Feet	1065	\$	\$	\$
7	Caliper Survey	Lump Sum	Lump Sum	\$	\$	\$
8.1	22-inch Diameter Stainless Steel Blank Casing	Linear Feet	760	\$	\$	\$
8.2	20-inch Diameter Stainless Steel Wire Wrapped Screen	Linear Feet	300	\$	\$	\$
8.3	20-inch Diameter Stainless Steel Blank Casing	Linear Feet	20	\$	\$	\$
8.4	20-inch Diameter Stainless Steel Cellar with Bullnose	Lump Sum	20	\$	\$	\$
8.5	3-inch Diameter Stainless Steel Gravel Tremie Pipe	Linear Feet	750	\$	\$	\$
8.6	3-inch Diameter Stainless Steel Sounding Pipe	Linear Feet	760	\$	\$	\$
8.7	3-inch Diameter Stainless Steel Casing Vent Pipe	Lump Sum	Lump Sum	\$	\$	\$
9	Gravel Pack	Linear Feet	390	\$	\$	\$
10	Cement Grout	Linear Feet	730	\$	\$	\$
11.1	Mechanical Development	Hours	85	\$	\$	\$
11.2	Pumping Development	Hours	100	\$	\$	\$
11.3	Additional Mechanical Development	Hours	XX Hours	\$	XXXX	XXXX
11.4	Additional Pumping Development	Hours	XX Hours	\$	XXXX	XXXX

**CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6**

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
12	Production Testing	Hours	16	\$	\$	\$
13	Disinfection of Well	Lump Sum	Lump Sum	\$	\$	\$
14	Wellhead Completion and Installation of Pump/Motor and FCV Assembly	Lump Sum	Lump Sum	\$	\$	\$
14.A	Well Pump/Motor and FCV Assembly	Allowance	Allowance	\$300,000	\$300,000	\$600,000
14.B	Percent Markup Over Invoiced Cost for Well Pump/Motor and FCV Assembly	Percent	Percent	%	%	%
14.C	Markup Amount (amount entered in 14.A times percent entered in 14.B)	Lump Sum	Lump Sum	\$	\$	\$
15	Downhole Velocity Surveys	Lump Sum	Lump Sum	\$	\$	\$
16	Acceptance Video Surveys	Lump Sum	Lump Sum	\$	\$	\$
17	Plumbness and Alignment	Lump Sum	Lump Sum	\$	\$	\$
18	Standby Time	Hours	XX Hours	\$	XXXX	XXXX
19	Site Cleanup	Lump Sum	Lump Sum	\$	\$	\$
20	Fluid and Cuttings Containment and Disposal	Lump Sum	Lump Sum	\$	\$	\$
21	Temporary Discharge Pipeline	Lump Sum	Lump Sum	\$	XXXX	\$
22	Traffic Control Plan	Lump Sum	Lump Sum	\$	\$	\$
23	Connect pipe extension & valves to Temporary Water Supply, and construction water consumption	Allowance	Allowance	\$	\$10,000	\$20,000
24	Temporary 7' height Perimeter Site Security, Chain Link Fencing & Double Leaf Gates, lockable	Lump Sum	Lump Sum	\$	\$	\$
25	Community Outreach Plan & Attend Meetings	Allowance	Allowance	\$	\$3000	\$6000
26	Prepare & implement BMP's and Storm Water Pollution Prevention Plan (SWPPP)	Lump Sum	Lump Sum	\$	\$	\$
Total Amount Bid:					\$	\$

CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
Total In Words:						



NOT TO SCALE

FIGURE 3. PRELIMINARY WELL DESIGN SCHEMATIC
 Fitch Park ASR-5 and ASR-6 Project
 California American Water



The drill rig utilized must have the ability to fully lift and land the anticipated casing loads without the use of float plugs or other similar methods. All drill pipe must utilize threaded flush or upset tool joints, or equal, as approved by the Owner's Technical Representative (OTR).

SECTION 105 - CONSTRUCTION SCHEDULE

Construction activities are anticipated to start in **4th Quarter 2018** following approval of the project.

Drilling efficiency and rapid advance rates both for the pilot hole and reamed borehole are critical to the successful completion of hydraulically efficient wells. Accordingly, the Contractor shall conduct construction operations on a 24-hour per day, 7-day per week basis, and without significant delays, starting with the commencement of pilot hole drilling (after setting the surface conductor casing) and continuing until the initial mechanical development of the well (airlift swabbing) is completed. Work must begin within thirty (30) consecutive calendar days of notice to proceed and all work must be completed within one hundred eighty (180) calendar days from the commencement of work activities.

A construction schedule must be submitted with the bid in order for the bid to be considered responsive.

SECTION 106 - OVERVIEW OF WORK TO BE DONE

SECTION 106.1 - REQUIREMENTS OF WORK

Work includes the furnishing of all materials, labor, equipment, fuel, tools, transportation, and services for drilling, construction, development, testing, and completion of the well as described in these specifications.

While the final design of the wells may change, the general work required applicable to **each** of the project wells include:

- 1) The Contractor shall obtain the necessary well drilling permits from the County of Monterey Environmental Health Department.
- 2) Move equipment on (and off) of the site.
- 3) Furnish and install a temporary sound barrier. The sound barrier shall be a minimum 24 feet high, approximately 500 lineal feet, with minimum sound transmission class (STC) rating of 25.
- 4) Drill and install a 36-inch outside diameter, steel conductor (surface) casing to a total depth of 55 feet, below ground surface (bgs). The borehole for the conductor casing shall have a minimum diameter of 46 inches. Place a cement-grout annular seal in the space between the conductor casing and the borehole wall, from the bottom of the conductor casing to the ground surface.
- 5) Drill a pilot borehole to a total depth of 1,120 feet bgs (total footage of 1,065 feet, starting at the base of the conductor casing of 55 feet, bgs). Pilot borehole shall have

ATTACHMENT C



- a maximum diameter of 18 inches. Collect drill cuttings, and maintain a detailed pipe tally, drilling time log, drilling fluid log, and drill cuttings log.
- 6) Provide for, and assist with, a geophysical borehole log of the pilot bore using spontaneous potential (SP), resistivity, and natural gamma surveys of the pilot hole.
 - 7) Ream pilot bore to a diameter of 32 inches to a total depth of 1,120 feet (total ream footage of 1,065 feet).
 - 8) Install well casing and screen, in accordance with the following schedule: 1) 760 feet of 22-inch diameter, stainless steel (Type 304) blank casing; 2) 300 feet of 20-inch diameter, stainless steel (Type 304) wire-wrapped well screen; 3) 20 feet of 20-inch diameter, stainless steel (Type 304) blank casing (20-ft separation between two screened sections) and 4) 20 feet of 20-inch diameter, stainless steel (Type 304) blank cellar pipe with a bullnose.
 - 9) Install 3-inch diameter, stainless steel (Type 304) gravel feed and sounding tubes to depths of approximately 750 feet bgs and 760 feet bgs, respectively.
 - 10) Install gravel pack from the bottom of the reamed hole up to a depth of approximately 735 feet below ground surface.
 - 11) Place approximately 5 feet of 'transition' sand above the top of the gravel pack.
 - 12) Place approximately 730 feet of cement grout sanitary seal.
 - 13) Develop the well by air-lifting/swabbing and pumping.
 - 14) Provide and install temporary discharge piping for conveying water produced during development and test pumping to a surface spreading location.
 - 15) Install and remove test pump for final development and well performance aquifer testing.
 - 16) Provide for, and assist with, conducting velocity (spinner) survey during step production testing.
 - 17) Provide for, and assist with, conducting an alignment survey of the completed well.
 - 18) Provide for, and assist with, conducting an acceptance video survey of the completed well.
 - 19) Disinfect the well.
 - 20) Provide wellhead completion, pump foundation and permanent pump assembly.
 - 21) Provide temporary discharge piping and energy dissipater(s) for development and test pumping discharges.
 - 22) Clean up the sites.
 - 23) Contain and legally dispose drilling fluids and cuttings offsite.
 - 24) Fulfill all well drilling permit requirements, including the preparation and filing of a Department of Water Resources Well Completion Report.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



The tentative casing schedules for the FP ASR-5 and ASR-6 wells is as follows:

Interval (depth in ft below ground surface)	Material
0 to 760	22-inch diameter, ½-inch wall thickness, TYPE 304 STAINLESS STEEL blank casing
760 to 880	20-inch diameter, TYPE 304 STAINLESS STEEL wire-wrapped well screen, with 0.050-inch slots
880 to 900	20-inch diameter, 3/8 wall thickness, TYPE 304 STAINLESS STEEL blank casing
900 to 1080	20-inch diameter, TYPE 304 STAINLESS STEEL wire-wrapped well screen, with 0.050-inch slots
1080 to 1100	20-inch diameter, 3/8 wall thickness, TYPE 304 STAINLESS STEEL blank cellar with bullnose

A depiction of the proposed FP ASR-5 and ASR-6 wells is presented on **Figure 3**. The Contractor is advised that the proposed design of the wells presented above is based on information available at the time of development of these specifications. Although no significant changes are anticipated, the final designs of the wells may be altered based on the conditions at the site as determined through the pilot hole drilling and the new geophysical surveys.

SECTION 107 - OTHER WORK REQUIRED

In addition to the work described in Section 106, the Contractor will be responsible for other work that will be required during the construction of the well.

The Contractor shall contact Underground Services Alert (USA) at least 3 days prior to any drilling or excavation at the site.

The Contractor shall prepare the site in a manner as to provide adequate work space, safe working conditions, site ingress/egress and sufficient containment and storage of drilling cuttings and fluids. The Contractor shall also implement, install, and maintain Best Management Practices (BMPs) for the control of nuisance water and storm water. The BMPs shall be adequate to prevent erosion and runoff of sediment laden water from the work site. During construction, washing of concrete trucks, equipment, or similar activities shall occur only in areas where wash water can be contained on site.

The Fitch Park ASR sites contain numerous trees and shrubs that may need to be removed or trimmed in order to provide sufficient unobstructed space for equipment and materials. Prior to Contractor mobilization, OWNER will retain an arborist to trim or remove trees and/or shrubs, and to identify which plant species require protection during project activities. If required, OWNER will install protective fencing around sensitive plants or trees. It shall be the Contractor's responsibility to avoid protected areas and maintain the protective fencing during the course of the project.



SECTION 203 - CONDUCTOR (SURFACE) CASING

203 - CONDUCTOR (SURFACE) CASING, BID ITEM NO. 3

SCOPE

The Contractor shall furnish all equipment, material, and work necessary to install the surface conductor casing as shown on the Drawings and specified herein. Prior to drilling of the pilot hole, the Contractor shall bore a 42-inch-minimum-diameter hole from ground surface to a depth of 55 feet bgs, or as directed by the OTR, in which a surface conductor casing shall be installed.

MATERIALS

The conductor casing shall be a minimum 36 inches outside-diameter steel pipe having a wall thickness of not less than 0.375-inch (3/8-inch) and a below ground length of not less than 55 feet. Conductor casing shall be manufactured in accordance with ASTM Designation A-139, Grade B, without copper. All joints in the conductor casing shall be securely welded and shall be watertight.

Cement grout shall be composed of not more than 3 cubic feet of sand and 1 cubic foot (one sack) of Portland cement to 5 to 7 gallons (0.67 to 0.90 cubic feet) of clean water. This is typically considered to be a 10-sack Portland cement sand slurry mix when ordered from batching plants. Bentonite, to make the mix more fluid and reduce shrinkage, may be used to a total of 5 percent (5%) of the volume of the cement. If 5 percent bentonite is used, water content can be increased to 8.2 gallons per sack of cement.

PLACEMENT

Prior to drilling the conductor casing holes, the Contractor shall pothole the hole locations prior to installation to ensure no underground utilities will be impacted. During placement of the conductor casing, field joints shall be either collared or plain-end, and welded together. Centering guides shall be welded to the conductor casing with a minimum of two sets of guides (one near the bottom and one near the top). Each set will consist of three guides equally spaced circumferentially.

After the conductor casing has been installed, cement grout shall then be injected in the annular space between the inner casing and the borehole from bottom to top by means of a tremie pipe. Cement grout material shall be placed by the positive displacement pumping method in one continuous operation. Upon completion of cementing, concrete shall be visible above the surface of the ground outside the conductor casing. After cementing operations are completed, the concrete shall be left undisturbed for a period of not less than 12 hours before drilling is resumed.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



MEASUREMENT AND PAYMENT

Full compensation for doing all work and furnishing all materials necessary to manufacture, deliver, and install the 36-inch surface conductor casing as specified shall be included in the unit bid price per linear foot for "Conductor (Surface) Casing" - Bid Item No. 3.

Curt Zimmerer

From: Shop <shop@pacificsurveys.com>
Sent: Tuesday, November 13, 2018 12:41 PM
To: Curt Zimmerer
Cc: Michael Ridder
Subject: Request for DBE quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.
Attachments: Pacific Surveys DIR Registration Status 2018-2019 Screenshot.png; Bidders List Forms.pdf

Curt,

The price quote you requested appears below. The completed Bidder's list forms are attached. We are not a DBE so those forms technically don't even need to be submitted for us as they're only really needed for firms that are a DBE. I also attached documentation of our current registration status with the DIR in case you need it. Please note that We are a service provider and not a contractor so no license is required for the type of work that we do. Thanks!

Curt,

The project location is in our higher price "100 to 300 miles from base" Service Charge area so we're giving you our non prevailing wage/standard rate pricing for the prevailing wage project in an effort to keep the costs down for you. Please review the following price quote for open hole geophysical logging and cased well surveys at the California American Water Fitch Park ASR-5 and ASR-6 wells located in Seaside, CA:

Fitch Park ASR-5:

Prices for the first callout:

<u>Service</u>	<u>Unit Price</u>	<u>Quantity</u>	<u>Extended</u>
Service Charge	\$985/trip to site (Mon-Fri)	1	\$985.00 (Mon-Fri)
Electric Log/Gamma-Ray	\$0.69/ft (1000' Min)/survey	1120	<u>\$772.80</u>
Total			\$1757.80 *

Prices for the second callout:

<u>Service</u>	<u>Unit Price</u>	<u>Quantity</u>	<u>Extended</u>
Service Charge	\$985/trip to site (Mon-Fri)	1	\$985.00 (Mon-Fri)
Caliper/BH Volumes	\$0.49/ft (1000' Min)/survey	1120	<u>\$548.80</u>
Total			\$1533.80 *

Prices for the third callout:

<u>Service</u>	<u>Unit Price</u>	<u>Quantity</u>	<u>Extended</u>
Service Charge	\$985/trip to site (Mon-Fri)	1	\$985.00 (Mon-Fri)
Spinner (Run 1) **	\$0.70/ft (1000' Min)/survey	1100	\$770.00
Spinner (Run 2) **	\$0.70/ft per logged ft/survey	350	\$245.00
Spinner (Run 3) **	\$0.70/ft per logged ft/survey	350	\$245.00
Stop Counts **	\$280/survey	1	\$280.00
Spinner Analysis	\$400/survey	1	<u>\$400.00</u>
Total			\$2925.00 *

Prices for the fourth callout:

Service	Unit Price	Quantity	Extended
Service Charge	\$985/trip to site (Mon-Fri)	1	\$985.00 (Mon-Fri)
Video Survey ***	\$0.37/ft (1000' Min)/survey	1100	\$407.00
Gyroscopic Survey	\$1.40/ft (1000' Min)/survey	1100	<u>\$1540.00</u>
Total			\$2932.00 *

Total for Fitch Park ASR-5

\$9148.60 *

Fitch Park ASR-6:

Prices for the first callout:

Service	Unit Price	Quantity	Extended
Service Charge	\$985/trip to site (Mon-Fri)	1	\$985.00 (Mon-Fri)
Electric Log/Gamma-Ray	\$0.69/ft (1000' Min)/survey	1120	<u>\$772.80</u>
Total			\$1757.80 *

Prices for the second callout:

Service	Unit Price	Quantity	Extended
Service Charge	\$985/trip to site (Mon-Fri)	1	\$985.00 (Mon-Fri)
Caliper/BH Volumes	\$0.49/ft (1000' Min)/survey	1120	<u>\$548.80</u>
Total			\$1533.80 *

Prices for the third callout:

Service	Unit Price	Quantity	Extended
Service Charge	\$985/trip to site (Mon-Fri)	1	\$985.00 (Mon-Fri)
Spinner (Run 1) **	\$0.70/ft (1000' Min)/survey	1100	\$770.00
Spinner (Run 2) **	\$0.70/ft per logged ft/survey	350	\$245.00
Spinner (Run 3) **	\$0.70/ft per logged ft/survey	350	\$245.00
Stop Counts **	\$280/survey	1	\$280.00
Spinner Analysis	\$400/survey	1	<u>\$400.00</u>
Total			\$2925.00 *

Prices for the fourth callout:

Service	Unit Price	Quantity	Extended
Service Charge	\$985/trip to site (Mon-Fri)	1	\$985.00 (Mon-Fri)
Video Survey ***	\$0.37/ft (1000' Min)/survey	1100	\$407.00
Gyroscopic Survey	\$1.40/ft (1000' Min)/survey	1100	<u>\$1540.00</u>
Total			\$2932.00 *

Total for Fitch Park ASR-6

\$9148.60 *

Project Total

\$18297.20 *

* Totals assume that no standby time will be required to complete any of the work and that the work for each mobilization will be done on a weekday. We charge \$115/hour for standby time and our standard rate weekend Service Charges are as follows:

Saturday Service Charge	\$1020/trip to site
Sunday Service Charge	\$1110/trip to site

** For the dynamic spinner surveys:

We will need a minimum 2-inch ID access pipe installed with the pump in order to be able to use our regular size 1 & 11/16" or fullbore spinner tools for the dynamic spinner survey. The bottom of the access pipe needs to be two to five

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

feet deeper than the bottom of the pump. It is important that there are no bends in the access pipe and no pumping or discharge equipment is installed above the top of the access pipe in order for us to be able to get our spinner tool down the access tube and into the well. The dynamic spinner survey prices are based on the assumption that the access tube will of sufficient diameter to get our regular sized 1 & 11/16" spinner tool or fullbore spinner tool down the access tube and into the well. If we have to use our custom 1" spinner tool due to an access tube of insufficient diameter for our regular sized 1 & 11/16" spinner tool or fullbore spinner tool, the unit prices for the spinner survey will be as follows:

Spinner (Run 1)	\$0.85/ft (1000'/\$850 Minimum/survey)
Spinner (Run 2)	\$0.85/ft per logged ft/survey
Spinner (Run 3)	\$0.85/ft per logged ft/survey
Stop Counts	\$325/survey
Spinner Analysis	\$400/survey

*** The price for the video surveys includes a 3 hour time allotment to complete each video survey. An additional charge of \$115/hour will be applied for each hour over 3 hours that it takes to complete each video survey.

1000 foot minimum pricing applies to unit prices for all services except the Spinner Run 2 & Spinner Run 3 line items and our per foot unit prices are applicable to anything over 1000 feet for all services.

These prices include the PDF of the video report for each video survey, two color hard copies of the video report for each video survey plus two DVDs of the video for each video survey in addition to all field and final copies of logs along with LAS and PDF files.

We appreciate your interest in our services and hope to work with you on this project. Please feel free to reply to this e-mail or call Pacific Surveys President Michael Ridder at (800) 919-7555 with any questions regarding price or service.

Sincerely,

Josh Wheatcroft
Office Manager
Pacific Surveys, LLC
1785 W. Arrow Route
Bldg D, Suite 3 & 4
Upland, CA 91786
shop@pacificsurveys.com

-----Original Message-----

From: Curt Zimmerer <curt@zimindustries.com>
Sent: Tuesday, November 13, 2018 12:23 PM
To: Shop <shop@pacificsurveys.com>
Subject: Request for DBE quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.

Pacific Surveys,

Attached is the bid schedule and specs for a project bidding Thursday at Monterey, CA. The attached PDF file contains a copy of the material specifications for the water well project bidding on 11-15-2018 at the Monterey Peninsula Water Supply Project for the construction of Fitch Park ASR wells 5 and 6. Zim Industries, Inc. is looking for a quote for services on this project. Please provide a quotation for the services listed on the attached PDF file. In addition, please fill out the information on the Bidder's List form. This information is needed no later than 5:00 PM tomorrow as this project bids on November 15, 2018 and has to be federal expressed tomorrow night. Thank you for your assistance and interest

I look forward to receiving your quote, certifications and bid forms required by this project.

BIDDER'S LIST

- Contractor is required to provide the following information for all DBE and non-DBE subcontractors, who provided a proposal, bid, quote, or were contacted by Contractor. This information must be submitted with Contractor's bid.

Prime Contractor: Zim Industries, Inc.
Project: Monterey Peninsula Water Supply Project
Construction of Fitch Park ASR Wells 5 and 6

Firm Name:	<u>Pacific Surveys, LLC</u>	Phone:	<u>800 919 7555</u>
Business Address:	<u>4156 VIA SAINT AMBROSE</u>	Fax:	<u>909 949 0850</u>
Email:	<u>SHOP@PACIFICSURVEYS.COM CLAREMONT, CA 91711</u>		
License No. and Classification:	<u>N/A</u>	Years in Business:	<u>20</u>
Contact Person:	<u>MICHAEL RIDDER</u>		
Is the firm currently certified as a DBE?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Cert. Number: _____		
Type of work/ services/ materials proposed by bidder:	<u>OPEN HOLE GEOPHYSICAL LOGGING + CASES WELL SURVEYING</u>		
Amount of Bid/Quote:	_____		
Date of Bid/Quote:	_____		



**Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form**

This form is intended to capture the DBE¹ subcontractor's² description of work to be performed and the price of the work submitted to the prime contractor. A Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractor's bid or proposal package.

Subcontractor Name PACIFIC SURVEYS LLC		Project Name	
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact MICHAEL RIDDER	
Address 3456 VIA SAINT AMBROSE CLAREMONT, CA 91711			
Telephone No. 800 919 7555	Email Address SHOI @ PACIFIC SURVEYS.COM		
Prime Contractor Name ZIM INDUSTRIES INC		Issuing/Funding Entity	

Contract Item Number	Description of Work Submitted from the Prime Contractor Involving Construction, Services, Equipment or Supplies	Price of Work Submitted to the Prime Contractor
DBE Certified By: <input type="checkbox"/> DOT <input type="checkbox"/> SBA <input type="checkbox"/> Other _____		Meets/exceeds EPA certification standards? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Unknown <input type="checkbox"/>

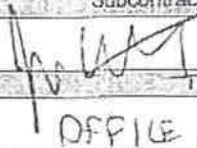
N/A - PACIFIC SURVEYS IS NOT A DBE

¹ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.
² Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.

EXHIBIT A

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	Date

Subcontractor Signature	Print Name
	JOSH WILLIAMS
Title	Date
OFFICE MANAGER	11/13/2018

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.

FORM 4500-3 (DBE Subcontractor Performance Form)

Revised 12/2016

Curt Zimmerer

From: Curt Zimmerer
Sent: Tuesday, November 13, 2018 12:23 PM
To: 'shop@pacificsurveys.com'
Subject: Request for DBE quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.
Attachments: 20181113113823486.pdf

Pacific Surveys,

Attached is the bid schedule and specs for a project bidding Thursday at Monterey, CA. The attached PDF file contains a copy of the material specifications for the water well project bidding on 11-15-2018 at the Monterey Peninsula Water Supply Project for the construction of Fitch Park ASR wells 5 and 6. Zim Industries, Inc. is looking for a quote for services on this project. Please provide a quotation for the services listed on the attached PDF file. In addition, please fill out the information on the Bidder's List form. This information is needed no later than 5:00 PM tomorrow as this project bids on November 15, 2018 and has to be federal expressed tomorrow night. Thank you for your assistance and interest

I look forward to receiving your quote, certifications and bid forms required by this project.

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

BIDDER'S LIST

- Contractor is required to provide the following information for all DBE and non-DBE subcontractors, who provided a proposal, bid, quote, or were contacted by Contractor. This information must be submitted with Contractor's bid.

Prime Contractor: Zjm Industries, Inc.
Project: Monterey Peninsula Water Supply Project
Construction of Fitch Park ASR Wells 5 and 6

Firm Name: <u>Pacific Surveys, LLC</u>	Phone: _____
Business Address: _____	Fax: _____
Email: _____	
License No. and Classification: _____	Years in Business: _____
Contact Person: _____	
Is the firm currently certified as a DBE? <input type="checkbox"/> No <input type="checkbox"/> Yes Cert. Number: _____	
Type of work/ services/ materials proposed by bidder: _____ _____	
Amount of Bid/Quote: _____	
Date of Bid/Quote: _____	



**Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form**

This form is intended to capture the DBE¹ subcontractor's² description of work to be performed and the price of the work submitted to the prime contractor. A Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractor's bid or proposal package.

Subcontractor Name		Project Name	
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact	
Address			
Telephone No.		Email Address	
Prime Contractor Name		Issuing/Funding Entity	

Contract Item Number	Description of Work Submitted from the Prime Contractor Involving Construction, Services, Equipment or Supplies	Price of Work Submitted to the Prime Contractor
DBE Certified By: <input type="checkbox"/> DOT <input type="checkbox"/> SBA Other: _____		Meets/exceeds EPA certification standards? YES NO Unknown

¹ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

² Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.

EXHIBIT A

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	Date

Subcontractor Signature	Print Name
Title	Date

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.

FORM 4500-3 (DBE Subcontractor Performance Form)

**CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6**

BID SHEET for FITCH PARK ASR-5 AND ASR-6 CONSTRUCTION

BID ADDENDUM NO. 3

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
1	Mobilization	Lump Sum	Lump Sum	\$	\$	\$
2	Noise Control / Sound Barrier	Linear Feet	500	\$	\$	\$
3	36-Inch Diameter Carbon Steel Conductor Casing	Linear Feet	55	\$	\$	\$
4	Pilot Bore Drilling	Linear Feet	1065	\$	\$	\$
5	Geophysical Logging	Lump Sum	Lump Sum	\$	\$	\$
6	Pilot Bore Reaming	Linear Feet	1065	\$	\$	\$
7	Caliper Survey	Lump Sum	Lump Sum	\$	\$	\$
8.1	22-inch Diameter Stainless Steel Blank Casing	Linear Feet	760	\$	\$	\$
8.2	20-inch Diameter Stainless Steel Wire Wrapped Screen	Linear Feet	300	\$	\$	\$
8.3	20-inch Diameter Stainless Steel Blank Casing	Linear Feet	20	\$	\$	\$
8.4	20-inch Diameter Stainless Steel Cellar with Bullnose	Lump Sum	20	\$	\$	\$
8.5	3-inch Diameter Stainless Steel Gravel Tremie Pipe	Linear Feet	750	\$	\$	\$
8.6	3-inch Diameter Stainless Steel Sounding Pipe	Linear Feet	760	\$	\$	\$
8.7	3-inch Diameter Stainless Steel Casing Vent Pipe	Lump Sum	Lump Sum	\$	\$	\$
9	Gravel Pack	Linear Feet	390	\$	\$	\$
10	Cement Grout	Linear Feet	730	\$	\$	\$
11.1	Mechanical Development	Hours	85	\$	\$	\$
11.2	Pumping Development	Hours	100	\$	\$	\$
11.3	Additional Mechanical Development	Hours	XX Hours	\$	XXXX	XXXX
11.4	Additional Pumping Development	Hours	XX Hours	\$	XXXX	XXXX

CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
12	Production Testing	Hours	16	\$	\$	\$
13	Disinfection of Well	Lump Sum	Lump Sum	\$	\$	\$
14	Wellhead Completion and Installation of Pump/Motor and FCV Assembly	Lump Sum	Lump Sum	\$	\$	\$
14.A	Well Pump/Motor and FCV Assembly	Allowance	Allowance	\$300,000	\$300,000	\$600,000
14.B	Percent Markup Over Invoiced Cost for Well Pump/Motor and FCV Assembly	Percent	Percent	%	%	%
14.C	Markup Amount (amount entered in 14.A times percent entered in 14.B)	Lump Sum	Lump Sum	\$	\$	\$
15	Downhole Velocity Surveys	Lump Sum	Lump Sum	\$	\$	\$
16	Acceptance Video Surveys	Lump Sum	Lump Sum	\$	\$	\$
17	Plumbness and Alignment	Lump Sum	Lump Sum	\$	\$	\$
18	Standby Time	Hours	XX Hours	\$	XXXX	XXXX
19	Site Cleanup	Lump Sum	Lump Sum	\$	\$	\$
20	Fluid and Cuttings Containment and Disposal	Lump Sum	Lump Sum	\$	\$	\$
21	Temporary Discharge Pipeline	Lump Sum	Lump Sum	\$	XXXX	\$
22	Traffic Control Plan	Lump Sum	Lump Sum	\$	\$	\$
23	Connect pipe extension & valves to Temporary Water Supply, and construction water consumption	Allowance	Allowance	\$	\$10,000	\$20,000
24	Temporary 7' height Perimeter Site Security, Chain Link Fencing & Double Leaf Gates, lockable	Lump Sum	Lump Sum	\$	\$	\$
25	Community Outreach Plan & Attend Meetings	Allowance	Allowance	\$	\$3000	\$6000
26	Prepare & implement BMP's and Storm Water Pollution Prevention Plan (SWPPP)	Lump Sum	Lump Sum	\$	\$	\$
Total Amount Bid:					\$	\$

CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
Total In Words:						

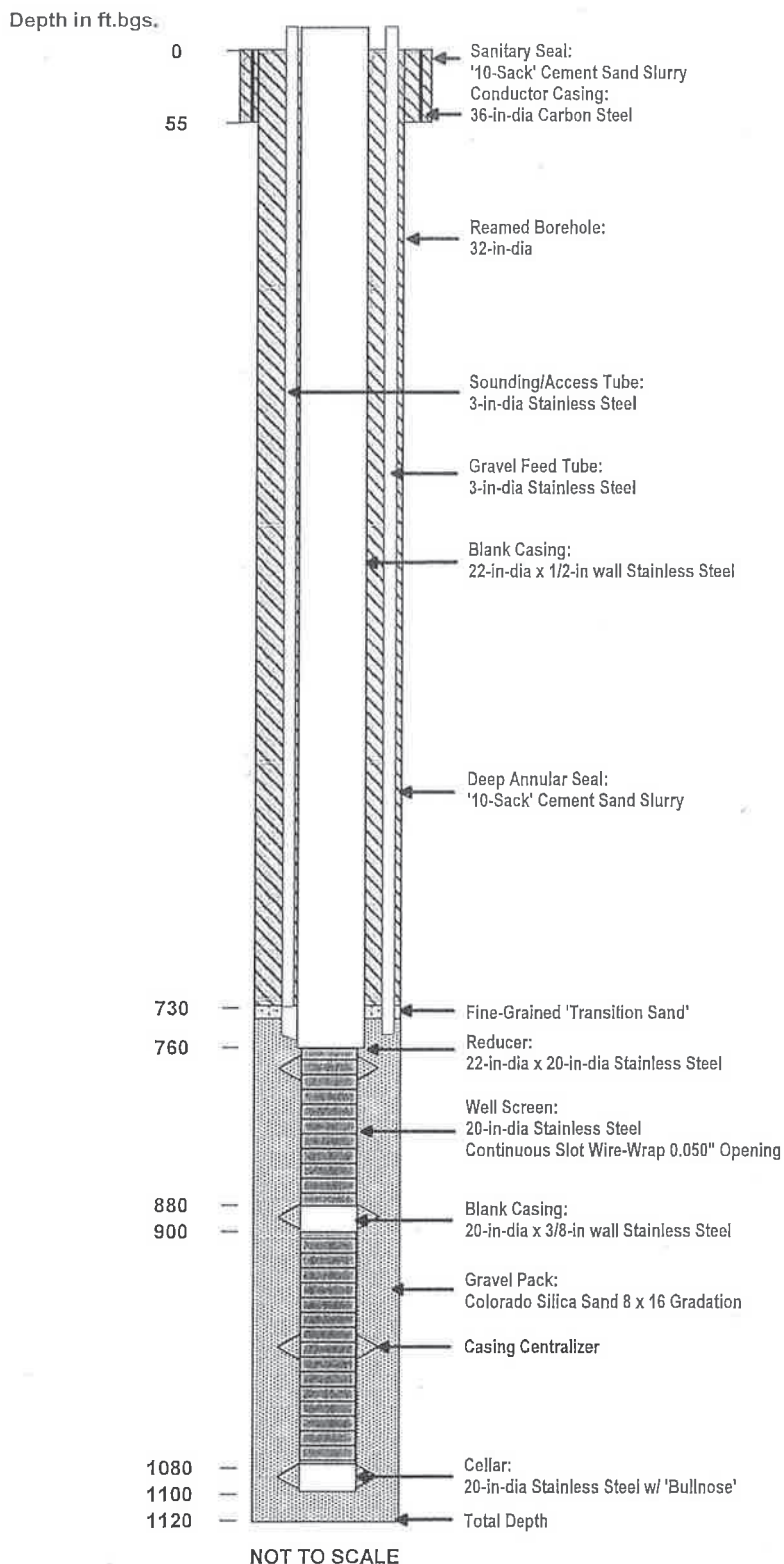


FIGURE 3. PRELIMINARY WELL DESIGN SCHEMATIC
 Fitch Park ASR-5 and ASR-6 Project
 California American Water



The drill rig utilized must have the ability to fully lift and land the anticipated casing loads without the use of float plugs or other similar methods. All drill pipe must utilize threaded flush or upset tool joints, or equal, as approved by the Owner's Technical Representative (OTR).

SECTION 105 - CONSTRUCTION SCHEDULE

Construction activities are anticipated to start in **4th Quarter 2018** following approval of the project.

Drilling efficiency and rapid advance rates both for the pilot hole and reamed borehole are critical to the successful completion of hydraulically efficient wells. Accordingly, the Contractor shall conduct construction operations on a 24-hour per day, 7-day per week basis, and without significant delays, starting with the commencement of pilot hole drilling (after setting the surface conductor casing) and continuing until the initial mechanical development of the well (airlift swabbing) is completed. Work must begin within thirty (30) consecutive calendar days of notice to proceed and all work must be completed within one hundred eighty (180) calendar days from the commencement of work activities.

A construction schedule ***must*** be submitted with the bid in order for the bid to be considered responsive.

SECTION 106 - OVERVIEW OF WORK TO BE DONE

SECTION 106.1 - REQUIREMENTS OF WORK

Work includes the furnishing of all materials, labor, equipment, fuel, tools, transportation, and services for drilling, construction, development, testing, and completion of the well as described in these specifications.

While the final design of the wells may change, the general work required applicable to **each** of the project wells include:

- 1) The Contractor shall obtain the necessary well drilling permits from the County of Monterey Environmental Health Department.
- 2) Move equipment on (and off) of the site.
- 3) Furnish and install a temporary sound barrier. The sound barrier shall be a minimum 24 feet high, approximately 500 lineal feet, with minimum sound transmission class (STC) rating of 25.
- 4) Drill and install a 36-inch outside diameter, steel conductor (surface) casing to a total depth of 55 feet, below ground surface (bgs). The borehole for the conductor casing shall have a minimum diameter of 46 inches. Place a cement-grout annular seal in the space between the conductor casing and the borehole wall, from the bottom of the conductor casing to the ground surface.
- 5) Drill a pilot borehole to a total depth of 1,120 feet bgs (total footage of 1,065 feet, starting at the base of the conductor casing of 55 feet, bgs). Pilot borehole shall have

ATTACHMENT C



- a maximum diameter of 18 inches. Collect drill cuttings, and maintain a detailed pipe tally, drilling time log, drilling fluid log, and drill cuttings log.
- 6) Provide for, and assist with, a geophysical borehole log of the pilot bore using spontaneous potential (SP), resistivity, and natural gamma surveys of the pilot hole.
 - 7) Ream pilot bore to a diameter of 32 inches to a total depth of 1,120 feet (total ream footage of 1,065 feet).
 - 8) Install well casing and screen, in accordance with the following schedule: 1) 760 feet of 22-inch diameter, stainless steel (Type 304) blank casing; 2) 300 feet of 20-inch diameter, stainless steel (Type 304) wire-wrapped well screen; 3) 20 feet of 20-inch diameter, stainless steel (Type 304) blank casing (20-ft separation between two screened sections) and 4) 20 feet of 20-inch diameter, stainless steel (Type 304) blank cellar pipe with a bullnose.
 - 9) Install 3-inch diameter, stainless steel (Type 304) gravel feed and sounding tubes to depths of approximately 750 feet bgs and 760 feet bgs, respectively.
 - 10) Install gravel pack from the bottom of the reamed hole up to a depth of approximately 735 feet below ground surface.
 - 11) Place approximately 5 feet of 'transition' sand above the top of the gravel pack.
 - 12) Place approximately 730 feet of cement grout sanitary seal.
 - 13) Develop the well by air-lifting/swabbing and pumping.
 - 14) Provide and install temporary discharge piping for conveying water produced during development and test pumping to a surface spreading location.
 - 15) Install and remove test pump for final development and well performance aquifer testing.
 - 16) Provide for, and assist with, conducting velocity (spinner) survey during step production testing.
 - 17) Provide for, and assist with, conducting an alignment survey of the completed well.
 - 18) Provide for, and assist with, conducting an acceptance video survey of the completed well.
 - 19) Disinfect the well.
 - 20) Provide wellhead completion, pump foundation and permanent pump assembly.
 - 21) Provide temporary discharge piping and energy dissipater(s) for development and test pumping discharges.
 - 22) Clean up the sites.
 - 23) Contain and legally dispose drilling fluids and cuttings offsite.
 - 24) Fulfill all well drilling permit requirements, including the preparation and filing of a Department of Water Resources Well Completion Report.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



The tentative casing schedules for the FP ASR-5 and ASR-6 wells is as follows:

Interval (depth in ft below ground surface)	Material
0 to 760	22-inch diameter, 1/2-inch wall thickness, TYPE 304 STAINLESS STEEL blank casing
760 to 880	20-inch diameter, TYPE 304 STAINLESS STEEL wire-wrapped well screen, with 0.050-inch slots
880 to 900	20-inch diameter, 3/8 wall thickness, TYPE 304 STAINLESS STEEL blank casing
900 to 1080	20-inch diameter, TYPE 304 STAINLESS STEEL wire-wrapped well screen, with 0.050-inch slots
1080 to 1100	20-inch diameter, 3/8 wall thickness, TYPE 304 STAINLESS STEEL blank cellar with bullnose

A depiction of the proposed FP ASR-5 and ASR-6 wells is presented on **Figure 3**. The Contractor is advised that the proposed design of the wells presented above is based on information available at the time of development of these specifications. Although no significant changes are anticipated, the final designs of the wells may be altered based on the conditions at the site as determined through the pilot hole drilling and the new geophysical surveys.

SECTION 107 - OTHER WORK REQUIRED

In addition to the work described in Section 106, the Contractor will be responsible for other work that will be required during the construction of the well.

The Contractor shall contact Underground Services Alert (USA) at least 3 days prior to any drilling or excavation at the site.

The Contractor shall prepare the site in a manner as to provide adequate work space, safe working conditions, site ingress/egress and sufficient containment and storage of drilling cuttings and fluids. The Contractor shall also implement, install, and maintain Best Management Practices (BMPs) for the control of nuisance water and storm water. The BMPs shall be adequate to prevent erosion and runoff of sediment laden water from the work site. During construction, washing of concrete trucks, equipment, or similar activities shall occur only in areas where wash water can be contained on site.

The Fitch Park ASR sites contain numerous trees and shrubs that may need to be removed or trimmed in order to provide sufficient unobstructed space for equipment and materials. Prior to Contractor mobilization, OWNER will retain an arborist to trim or remove trees and/or shrubs, and to identify which plant species require protection during project activities. If required, OWNER will install protective fencing around sensitive plants or trees. It shall be the Contractor's responsibility to avoid protected areas and maintain the protective fencing during the course of the project.



SECTION 205 - GEOPHYSICAL LOGGING

205 - GEOPHYSICAL LOGGING - BID ITEM NO. 5

SCOPE

The Contractor shall furnish all equipment, materials, and work necessary to perform geophysical logs in the pilot bores as specified herein. The geophysical logs to be performed include spontaneous potential, resistivity, point resistance, and natural gamma surveys.

MATERIALS

Not applicable.

PLACEMENT

The Contractor shall furnish services for geophysically logging the pilot hole. Borehole geophysical logs, consisting of spontaneous potential, 16- and 64-inch resistivity surveys, single point resistance, and a natural gamma survey, all in API format, shall be made of the pilot bore by the Contractor as directed by the OTR. Standby time will not be paid for additional cleaning and conditioning of the hole to that may be required to allow logging operations to proceed.

SUBMITTALS

The Contractor shall provide four field and six final copies of the geophysical log. In addition, the geophysical log shall be provided to the OTR via CD or portable memory drive in a Microsoft Excel compatible format and a digital image (PDF) format.

TESTING

If the logging probe fails to descend to the desired depth, the Contractor, at his own expense, shall condition the hole and permit the logging probe to descend to the bottom of the hole.

MEASUREMENT

Not applicable.

PAYMENT

Full compensation for all labor, tools, equipment and insurance, and doing all work necessary and incidental to complete the task of Geophysical Logging, including standby time as specified shall be included in the lump sum price for "Geophysical Logging" - Bid Item No. 5.



SECTION 207 - CALIPER SURVEYS

207 - CALIPER SURVEY - BID ITEM NO. 7

SCOPE

Upon completion of the final reams, caliper surveys shall be performed to assess the condition of the boreholes and calculate the volumes of cement and gravel pack required for well completion.

MATERIALS

Not Applicable.

PLACEMENT

The Contractor shall furnish professional logging services for the caliper survey of the borehole. The caliper tool must be of sufficient arm capacity to have the ability to measure borehole diameters to 48 inches for the entire length of the reamed borehole.

SUBMITTALS

The Contractor shall provide four field and six final copies of the caliper survey log. In addition, the log shall be provided to the OTR via CD or portable memory drive in a Microsoft Excel compatible format and a digital image (PDF) format. The logging service shall also provide to the OTR calculations for the required volumes of gravel pack and cement based on the results of the caliper log.

TESTING

If the logging probe fails to descend to the desired depth, the Contractor, at his own expense, shall condition the hole and permit the logging probe to descend to the bottom of the hole. OWNER may reject the well if the caliper log indicates a zone of overbreakage or sloughing, which would result in placement of gravel pack at thicknesses greater than 12-inches within the screened interval.

MEASUREMENT AND PAYMENT

Full compensation of all labor, tools, equipment, and standby time to complete the task of Caliper Survey as specified shall be included in the lump sum price for "Caliper Survey" - Bid Item No. 7.



SECTION 215 - DOWNHOLE VELOCITY SURVEYS

215 - DOWNHOLE VELOCITY SURVEY - BID ITEM NO. 15

SCOPE

The Contractor shall furnish all equipment, materials, and work necessary to perform a downhole velocity (spinner) survey of the well. The velocity survey shall be performed during step drawdown production testing (Section 212).

MATERIALS

Not Applicable

PLACEMENT

The Contractor shall furnish professional logging services for the downhole velocity (spinner log) surveys of the well to be performed during the step production testing of the well. The step testing will be performed at four rates, with step durations of approximately two hours.

TESTING

Not Applicable.

SUBMITTALS AND MEASUREMENT

The Contractor shall provide four field and six final copies of the velocity survey logs. The velocity logs shall also be provided to the OTR via CD or portable memory drive in a Microsoft Excel compatible format and a digital image (PDF) format.

PAYMENT

Full compensation for furnishing all labor, tools, equipment and insurance, and doing all work necessary and incidental to complete the task of Downhole Velocity Surveys as specified shall be included in the lump sum price for "Downhole Velocity Survey" - Bid Item No. 15.



SECTION 216 - VIDEO SURVEYS

216 - VIDEO SURVEY - BID ITEM NO. 16

SCOPE

This item shall include the performance of an acceptance video surveys of the completed wells.

MATERIALS

Video shall be in color, with side scan capabilities, and provided in DVD format. If recorded on VHS, the video shall be recorded at standard speed, not in EP mode.

PLACEMENT

The Contractor shall furnish and provide assistance for the video surveying of the completed well prior to acceptance of the well by OWNER. The OTR shall witness the video survey.

TESTING

The video survey shall verify that the well is free of structural defects and clear of all debris throughout the entire depth of the well prior to acceptance of the well by OWNER. If any defects or debris are found, the Contractor shall make repairs to, or remove debris from, the well as necessary, at no cost to OWNER.

SUBMITTALS AND MEASUREMENT

Two (2) copies of the video survey shall be delivered to the OTR upon completion of the survey.

PAYMENT

Full compensation for furnishing all labor, tools, equipment and insurance, and doing all work necessary and incidental to complete the task of Video Survey as specified shall be included in the lump sum price for "Video Surveys" - Bid Item No. 16.



SECTION 217 – PLUMBNESS AND ALIGNMENT

217 – PLUMBNESS AND ALIGNMENT - BID ITEM NO. 17

SCOPE

This item of work shall consist of testing to determine the plumbness and alignment of the completed wells. The Contractor is solely responsible for meeting the requirements for plumbness and alignment of the completed wells as specified herein. The Contractor may, at his discretion, perform periodic deviation surveys of the borehole during the drilling of the pilot holes, and take corrective actions as necessary, to ensure proper plumbness and alignment of the completed wells. The final acceptance plumbness and alignment tests may be performed at any time subsequent to cementing operations.

MATERIALS

Not Applicable.

PLACEMENT AND TESTING

Tests to determine the plumbness and alignment of the 22-inch-diameter blank casing shall be made by the Contractor after the well has been completed and before its acceptance. The Contractor shall furnish professional logging services for the deviation and directional survey and be of the type provided by Welenco, Newman Surveys, or approved equal, and shall comply with AWWA A-100 standards.

The completed well shall be sufficiently plumb and straight so that there will be no interference with installation, alignment, operation or future removal of the pumping equipment. The maximum allowable horizontal deviation (drift) of the well from the vertical shall not exceed two thirds of the smallest inside diameter of that part of well being tested per 100 feet of depth. OWNER may reject the well if the above tolerances are exceeded.

SUBMITTALS

Records of deflection shall be submitted to the OTR.

MEASUREMENT

Not applicable.

PAYMENT

Full compensation for doing all work and furnishing all materials to determine to well alignment as shown on the drawings and as specified shall be included in the lump sum price bid for "Plumbness and Alignment" - Bid Item No. 17.



Kelly Pipe - BAKERSFIELD
 19459 FLIGHTPATH WAY
 BAKERSFIELD CA 93308
 Phone: 661-399-4540
 Fax: 661-399-4541

SALES QUOTE

10-Q626734

Page: 1 of 1

Sell To: ZIM INDUSTRIES 4532 E. JEFFERSON FRESNO CA 93725 BOB ZIMMERER	Ship To: ZIM INDUSTRIES 4532 E. JEFFERSON FRESNO CA 93725 BOB ZIMMERER
---	---

Quote Number: 10-Q626734	Quote Date 11/14/2018	Ship date	Customer ZIM270	Customer PO	Sales Person Dan Lonon
Customer Contact BOB ZIMMERER	Payment Terms NET 30 DAYS Quote 10-Q626734			Customer Reference	Branch : Rep : Warehouse 11 : DLON : BF
Customer Contact Phone 559-834-1551	Shipping Terms Our Truck Bakersfield	FOB Point	Carrier Our Truck Bakersfield		Currency Code

LN#	Product Code	Description	Wt/LN	Qty	U/M	Unit Price	Total Price
		Fitch Park ASR-5 and ASR-6					
1	3360375-64NC	36 .375 I API5LB/X42 DSAW PEB DRL 142.81#	15,709	110	FT	\$148.52	\$16,337.20
2	OT-31411	22" .500w 304/304L A312 Welded SRL 1 SEAM Import Non-AISC Compliant **** Alternative ****	174,800	1,520	FT	\$586.11	\$890,887.20
3	OT-31412	22" .500w 304/304L A312 Welded SRL 2 Seam AISC Compliant	174,800	1,520	FT	\$552.77	\$840,210.40
4	OT-31413	20" PS 304SS Slot .050 39,33' 4" Weld Ring w/4" Collar		14	EA	\$8,645.16	\$121,032.24
5	OT-31414	20" PS 304ss Slot .050 19,33' 4" Weld Ring w/4" Collar *** Well Screen is Globally Sourced Material		2	EA	\$6,107.52	\$12,215.04
6	OT-31415	20" S40 304/304L Welded SRL	6,320	80	FT	\$250.00	\$20,000.00
7	OT-31416	20" STD 304L Weld Cap		2	EA	\$442.66	\$885.32
8	OT-31396	3" S40 304/304L Welded SRL Sounding Tube and Gravel Pack	22,816	3,010	FT	\$17.94	\$53,999.40
9	OT-31417	3" S40 304/304L Cut Piece 3' Long Vent Pipe		2	EA	\$30.00	\$60.00
Total Weight:			394,445				

This Material is subject to prior sale and applicable taxes. This Quotation and all agreements and other instruments executed in connection here in are subject to terms and conditions. For More Details Please Visit www.kellypipe.com

Subtotal: **1,955,626.80**
 Total Sales Tax: **0.00**
 Total: **1,955,626.80**

Curt Zimmerer

From: Dan Lonon <DLonon@kellypipe.com>
Sent: Wednesday, November 14, 2018 1:34 PM
To: Curt Zimmerer; Robert Zimmerer; Tim Crowe
Subject: Sales Quote 10-Q626734.pdf
Attachments: Sales Quote 10-Q626734.pdf

Gentlemen,

Please see attached quote for the Monterey wells. We are quoting single seam 22.500 304 stainless (AISC noncompliant) and dual seam AISC compliant single random length casing. Mill lead times are 14 weeks ARO.

Current pricing is 3 days. Please confirm pricing prior to order placement.

Thank you,

Dan Lonon
KPC Sales

Sent via the Samsung Galaxy S® 6, an AT&T 4G LTE smartphone

Curt Zimmerer

From: Curt Zimmerer
Sent: Tuesday, November 13, 2018 2:19 PM
To: "dlonon@kellypipe.com" (dlonon@kellypipe.com)
Cc: Robert Zimmerer
Subject: RE: Request for quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.

Dan,

There is no requirement for American made pipe. Please quote most cost effective pricing for casing searching both foreign and domestic casing manufacturers.

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

-----Original Message-----

From: Curt Zimmerer
Sent: Tuesday, November 13, 2018 12:39 PM
To: "dlonon@kellypipe.com" (dlonon@kellypipe.com) <dlonon@kellypipe.com>
Cc: Robert Zimmerer <bob@zimindustries.com>
Subject: Request for quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.

Dan,

Attached is the bid schedule and specs for a project bidding on 11-15-2018 in Monterey, CA. The attached PDF file contains a copy of the material specifications for the water well project bidding Thursday at the Monterey Peninsula Water Supply Project for the construction of Fitch Park ASR Wells 5 and 6. Please provide a quotation for the materials listed on the attached PDF file. The well casing on this project is specified Roscoe Moss or equivalent type 304 stainless steel blank and wire-wrap screen supplier, but the conductor is specified A-139, Grade B low carbon steel. In addition, please fill out the information on the Bidder's List of Subcontractors DBE form. This information is needed no later than

5:00 PM tomorrow as this project bids on November 15, 2018 and has to be federal expressed tomorrow night. Thank you for your assistance and interest.

I look forward to receiving your quote and bid form required by this project.

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

Curt Zimmerer

From: Curt Zimmerer
Sent: Tuesday, November 13, 2018 12:41 PM
To: "dlonon@kellypipe.com" (dlonon@kellypipe.com)
Cc: Robert Zimmerer
Subject: Request for quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.
Attachments: 20181113113710962.pdf

Dan,

Attached is the bid schedule and specs for a project bidding on 11-15-2018 in Monterey, CA. The attached PDF file contains a copy of the material specifications for the water well project bidding Thursday at the Monterey Peninsula Water Supply Project for the construction of Fitch Park ASR Wells 5 and 6. Please provide a quotation for the materials listed on the attached PDF file. The well casing on this project is specified Roscoe Moss or equivalent type 304 stainless steel blank and wire-wrap screen supplier, but the conductor is specified A-139, Grade B low carbon steel. In addition, please fill out the information on the Bidder's List of Subcontractors DBE form. This information is needed no later than 5:00 PM tomorrow as this project bids on November 15, 2018 and has to be federal expressed tomorrow night. Thank you for your assistance and interest.

I look forward to receiving your quote and bid form required by this project.

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

BIDDER'S LIST

- Contractor is required to provide the following information for all DBE and non-DBE subcontractors, who provided a proposal, bid, quote, or were contacted by Contractor. This information must be submitted with Contractor's bid.

Prime Contractor: Zim Industries, Inc.
Project: Monterey Peninsula Water Supply Project
Construction of Fitch Park ASR Wells 5 and 6

Firm Name:	_____	Phone:	_____
Business Address:	_____	Fax:	_____
Email:	_____		
License No. and Classification:	_____	Years in Business:	_____
Contact Person:	_____		
Is the firm currently certified as a DBE? <input type="checkbox"/> No <input type="checkbox"/> Yes Cert. Number: _____			
Type of work/ services/ materials proposed by bidder: _____ _____			
Amount of Bid/Quote:	_____		
Date of Bid/Quote:	_____		



Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form

This form is intended to capture the DBE¹ subcontractor's² description of work to be performed and the price of the work submitted to the prime contractor. A Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractor's bid or proposal package.

Subcontractor Name		Project Name	
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact	
Address			
Telephone No.		Email Address	
Prime Contractor Name		Issuing/Funding Entity	

Contract Item Number	Description of Work Submitted from the Prime Contractor Involving Construction, Services, Equipment or Supplies	Price of Work Submitted to the Prime Contractor
DBE Certified By: <input type="checkbox"/> DOT <input type="checkbox"/> SBA Other: _____		Meets/exceeds EPA certification standards? YES NO Unknown

¹ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

² Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.

EXHIBIT A

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	Date

Subcontractor Signature	Print Name
Title	Date

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.

FORM 4500-3 (DBE Subcontractor Performance Form)

**CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6**

BID SHEET for FITCH PARK ASR-5 AND ASR-6 CONSTRUCTION

BID ADDENDUM NO. 3

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
1	Mobilization	Lump Sum	Lump Sum	\$	\$	\$
2	Noise Control / Sound Barrier	Linear Feet	500	\$	\$	\$
3	36-Inch Diameter Carbon Steel Conductor Casing	Linear Feet	55	\$	\$	\$
4	Pilot Bore Drilling	Linear Feet	1065	\$	\$	\$
5	Geophysical Logging	Lump Sum	Lump Sum	\$	\$	\$
6	Pilot Bore Reaming	Linear Feet	1065	\$	\$	\$
7	Caliper Survey	Lump Sum	Lump Sum	\$	\$	\$
8.1	22-inch Diameter Stainless Steel Blank Casing	Linear Feet	760	\$	\$	\$
8.2	20-inch Diameter Stainless Steel Wire Wrapped Screen	Linear Feet	300	\$	\$	\$
8.3	20-inch Diameter Stainless Steel Blank Casing	Linear Feet	20	\$	\$	\$
8.4	20-inch Diameter Stainless Steel Cellar with Bullnose	Lump Sum	20	\$	\$	\$
8.5	3-inch Diameter Stainless Steel Gravel Tremie Pipe	Linear Feet	750	\$	\$	\$
8.6	3-inch Diameter Stainless Steel Sounding Pipe	Linear Feet	760	\$	\$	\$
8.7	3-inch Diameter Stainless Steel Casing Vent Pipe	Lump Sum	Lump Sum	\$	\$	\$
9	Gravel Pack	Linear Feet	390	\$	\$	\$
10	Cement Grout	Linear Feet	730	\$	\$	\$
11.1	Mechanical Development	Hours	85	\$	\$	\$
11.2	Pumping Development	Hours	100	\$	\$	\$
11.3	Additional Mechanical Development	Hours	XX Hours	\$	XXXX	XXXX
11.4	Additional Pumping Development	Hours	XX Hours	\$	XXXX	XXXX

**CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6**

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
12	Production Testing	Hours	16	\$	\$	\$
13	Disinfection of Well	Lump Sum	Lump Sum	\$	\$	\$
14	Wellhead Completion and Installation of Pump/Motor and FCV Assembly	Lump Sum	Lump Sum	\$	\$	\$
14.A	Well Pump/Motor and FCV Assembly	Allowance	Allowance	\$300,000	\$300,000	\$600,000
14.B	Percent Markup Over Invoiced Cost for Well Pump/Motor and FCV Assembly	Percent	Percent	%	%	%
14.C	Markup Amount (amount entered in 14.A times percent entered in 14.B)	Lump Sum	Lump Sum	\$	\$	\$
15	Downhole Velocity Surveys	Lump Sum	Lump Sum	\$	\$	\$
16	Acceptance Video Surveys	Lump Sum	Lump Sum	\$	\$	\$
17	Plumbness and Alignment	Lump Sum	Lump Sum	\$	\$	\$
18	Standby Time	Hours	XX Hours	\$	XXXX	XXXX
19	Site Cleanup	Lump Sum	Lump Sum	\$	\$	\$
20	Fluid and Cuttings Containment and Disposal	Lump Sum	Lump Sum	\$	\$	\$
21	Temporary Discharge Pipeline	Lump Sum	Lump Sum	\$	XXXX	\$
22	Traffic Control Plan	Lump Sum	Lump Sum	\$	\$	\$
23	Connect pipe extension & valves to Temporary Water Supply, and construction water consumption	Allowance	Allowance	\$	\$10,000	\$20,000
24	Temporary 7' height Perimeter Site Security, Chain Link Fencing & Double Leaf Gates, lockable	Lump Sum	Lump Sum	\$	\$	\$
25	Community Outreach Plan & Attend Meetings	Allowance	Allowance	\$	\$3000	\$6000
26	Prepare & implement BMP's and Storm Water Pollution Prevention Plan (SWPPP)	Lump Sum	Lump Sum	\$	\$	\$
Total Amount Bid:					\$	\$

CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
Total In Words:						

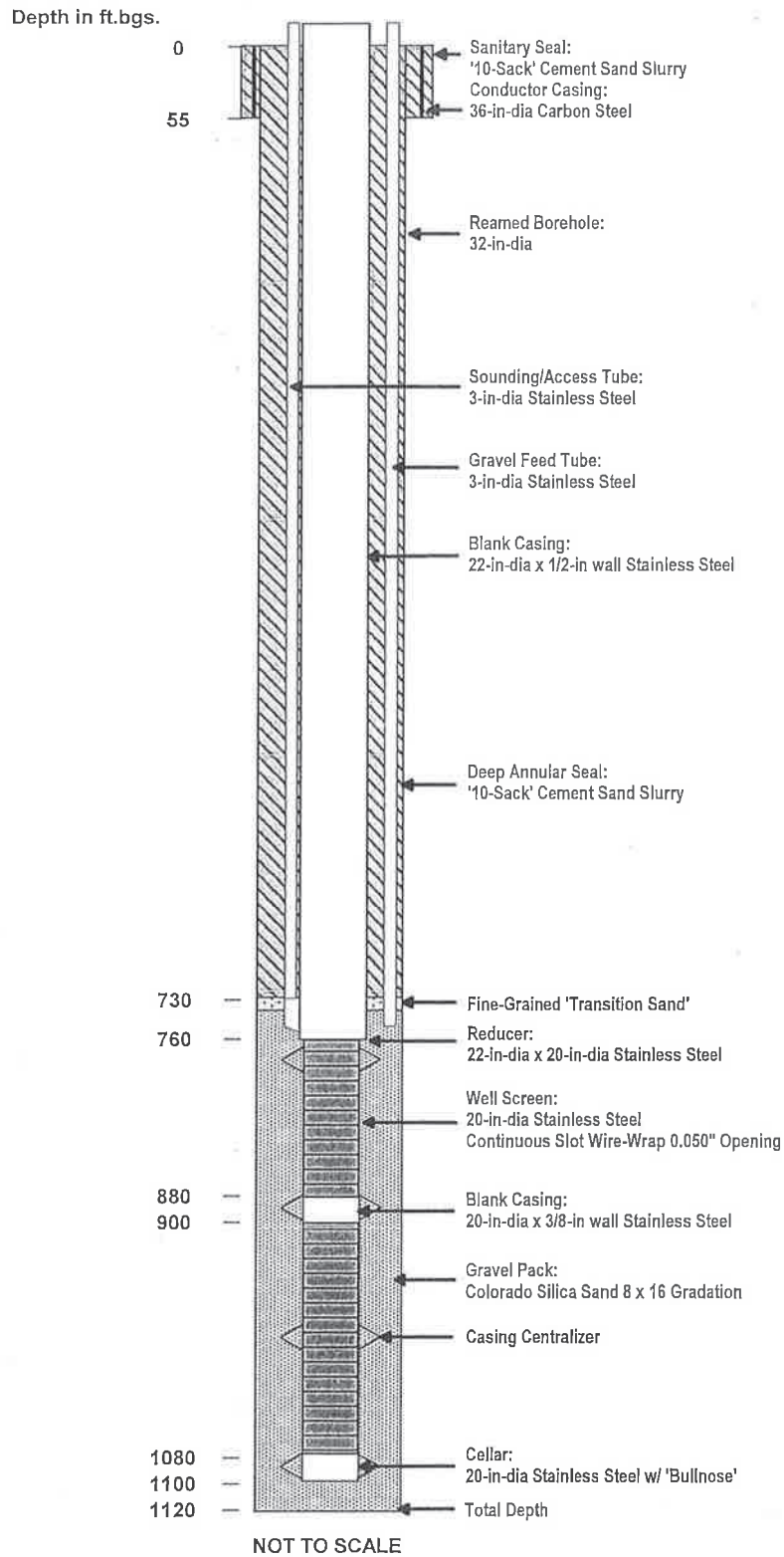


FIGURE 3. PRELIMINARY WELL DESIGN SCHEMATIC
 Fitch Park ASR-5 and ASR-6 Project
 California American Water



The drill rig utilized must have the ability to fully lift and land the anticipated casing loads without the use of float plugs or other similar methods. All drill pipe must utilize threaded flush or upset tool joints, or equal, as approved by the Owner's Technical Representative (OTR).

SECTION 105 - CONSTRUCTION SCHEDULE

Construction activities are anticipated to start in **4th Quarter 2018** following approval of the project.

Drilling efficiency and rapid advance rates both for the pilot hole and reamed borehole are critical to the successful completion of hydraulically efficient wells. Accordingly, the Contractor shall conduct construction operations on a 24-hour per day, 7-day per week basis, and without significant delays, starting with the commencement of pilot hole drilling (after setting the surface conductor casing) and continuing until the initial mechanical development of the well (airlift swabbing) is completed. Work must begin within thirty (30) consecutive calendar days of notice to proceed and all work must be completed within one hundred eighty (180) calendar days from the commencement of work activities.

A construction schedule must be submitted with the bid in order for the bid to be considered responsive.

SECTION 106 - OVERVIEW OF WORK TO BE DONE

SECTION 106.1 - REQUIREMENTS OF WORK

Work includes the furnishing of all materials, labor, equipment, fuel, tools, transportation, and services for drilling, construction, development, testing, and completion of the well as described in these specifications.

While the final design of the wells may change, the general work required applicable to **each** of the project wells include:

- 1) The Contractor shall obtain the necessary well drilling permits from the County of Monterey Environmental Health Department.
- 2) Move equipment on (and off) of the site.
- 3) Furnish and install a temporary sound barrier. The sound barrier shall be a minimum 24 feet high, approximately 500 lineal feet, with minimum sound transmission class (STC) rating of 25.
- 4) Drill and install a 36-inch outside diameter, steel conductor (surface) casing to a total depth of 55 feet, below ground surface (bgs). The borehole for the conductor casing shall have a minimum diameter of 46 inches. Place a cement-grout annular seal in the space between the conductor casing and the borehole wall, from the bottom of the conductor casing to the ground surface.
- 5) Drill a pilot borehole to a total depth of 1,120 feet bgs (total footage of 1,065 feet, starting at the base of the conductor casing of 55 feet, bgs). Pilot borehole shall have

ATTACHMENT C



- a maximum diameter of 18 inches. Collect drill cuttings, and maintain a detailed pipe tally, drilling time log, drilling fluid log, and drill cuttings log.
- 6) Provide for, and assist with, a geophysical borehole log of the pilot bore using spontaneous potential (SP), resistivity, and natural gamma surveys of the pilot hole.
 - 7) Ream pilot bore to a diameter of 32 inches to a total depth of 1,120 feet (total ream footage of 1,065 feet).
 - 8) Install well casing and screen, in accordance with the following schedule: 1) 760 feet of 22-inch diameter, stainless steel (Type 304) blank casing; 2) 300 feet of 20-inch diameter, stainless steel (Type 304) wire-wrapped well screen; 3) 20 feet of 20-inch diameter, stainless steel (Type 304) blank casing (20-ft separation between two screened sections) and 4) 20 feet of 20-inch diameter, stainless steel (Type 304) blank cellar pipe with a bullnose.
 - 9) Install 3-inch diameter, stainless steel (Type 304) gravel feed and sounding tubes to depths of approximately 750 feet bgs and 760 feet bgs, respectively.
 - 10) Install gravel pack from the bottom of the reamed hole up to a depth of approximately 735 feet below ground surface.
 - 11) Place approximately 5 feet of 'transition' sand above the top of the gravel pack.
 - 12) Place approximately 730 feet of cement grout sanitary seal.
 - 13) Develop the well by air-lifting/swabbing and pumping.
 - 14) Provide and install temporary discharge piping for conveying water produced during development and test pumping to a surface spreading location.
 - 15) Install and remove test pump for final development and well performance aquifer testing.
 - 16) Provide for, and assist with, conducting velocity (spinner) survey during step production testing.
 - 17) Provide for, and assist with, conducting an alignment survey of the completed well.
 - 18) Provide for, and assist with, conducting an acceptance video survey of the completed well.
 - 19) Disinfect the well.
 - 20) Provide wellhead completion, pump foundation and permanent pump assembly.
 - 21) Provide temporary discharge piping and energy dissipater(s) for development and test pumping discharges.
 - 22) Clean up the sites.
 - 23) Contain and legally dispose drilling fluids and cuttings offsite.
 - 24) Fulfill all well drilling permit requirements, including the preparation and filing of a Department of Water Resources Well Completion Report.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



The tentative casing schedules for the FP ASR-5 and ASR-6 wells is as follows:

Interval (depth in ft below ground surface)	Material
0 to 760	22-inch diameter, ½-inch wall thickness, TYPE 304 STAINLESS STEEL blank casing
760 to 880	20-inch diameter, TYPE 304 STAINLESS STEEL wire-wrapped well screen, with 0.050-inch slots
880 to 900	20-inch diameter, 3/8 wall thickness, TYPE 304 STAINLESS STEEL blank casing
900 to 1080	20-inch diameter, TYPE 304 STAINLESS STEEL wire-wrapped well screen, with 0.050-inch slots
1080 to 1100	20-inch diameter, 3/8 wall thickness, TYPE 304 STAINLESS STEEL blank cellar with bullnose

A depiction of the proposed FP ASR-5 and ASR-6 wells is presented on **Figure 3**. The Contractor is advised that the proposed design of the wells presented above is based on information available at the time of development of these specifications. Although no significant changes are anticipated, the final designs of the wells may be altered based on the conditions at the site as determined through the pilot hole drilling and the new geophysical surveys.

SECTION 107 - OTHER WORK REQUIRED

In addition to the work described in Section 106, the Contractor will be responsible for other work that will be required during the construction of the well.

The Contractor shall contact Underground Services Alert (USA) at least 3 days prior to any drilling or excavation at the site.

The Contractor shall prepare the site in a manner as to provide adequate work space, safe working conditions, site ingress/egress and sufficient containment and storage of drilling cuttings and fluids. The Contractor shall also implement, install, and maintain Best Management Practices (BMPs) for the control of nuisance water and storm water. The BMPs shall be adequate to prevent erosion and runoff of sediment laden water from the work site. During construction, washing of concrete trucks, equipment, or similar activities shall occur only in areas where wash water can be contained on site.

The Fitch Park ASR sites contain numerous trees and shrubs that may need to be removed or trimmed in order to provide sufficient unobstructed space for equipment and materials. Prior to Contractor mobilization, OWNER will retain an arborist to trim or remove trees and/or shrubs, and to identify which plant species require protection during project activities. If required, OWNER will install protective fencing around sensitive plants or trees. It shall be the Contractor's responsibility to avoid protected areas and maintain the protective fencing during the course of the project.



SECTION 203 - CONDUCTOR (SURFACE) CASING

203 - CONDUCTOR (SURFACE) CASING, BID ITEM NO. 3

SCOPE

The Contractor shall furnish all equipment, material, and work necessary to install the surface conductor casing as shown on the Drawings and specified herein. Prior to drilling of the pilot hole, the Contractor shall bore a 42-inch-minimum-diameter hole from ground surface to a depth of 55 feet bgs, or as directed by the OTR, in which a surface conductor casing shall be installed.

MATERIALS

The conductor casing shall be a minimum 36 inches outside-diameter steel pipe having a wall thickness of not less than 0.375-inch (3/8-inch) and a below ground length of not less than 55 feet. Conductor casing shall be manufactured in accordance with ASTM Designation A-139, Grade B, without copper. All joints in the conductor casing shall be securely welded and shall be watertight.

Cement grout shall be composed of not more than 3 cubic feet of sand and 1 cubic foot (one sack) of Portland cement to 5 to 7 gallons (0.67 to 0.90 cubic feet) of clean water. This is typically considered to be a 10-sack Portland cement sand slurry mix when ordered from batching plants. Bentonite, to make the mix more fluid and reduce shrinkage, may be used to a total of 5 percent (5%) of the volume of the cement. If 5 percent bentonite is used, water content can be increased to 8.2 gallons per sack of cement.

PLACEMENT

Prior to drilling the conductor casing holes, the Contractor shall pothole the hole locations prior to installation to ensure no underground utilities will be impacted. During placement of the conductor casing, field joints shall be either collared or plain-end, and welded together. Centering guides shall be welded to the conductor casing with a minimum of two sets of guides (one near the bottom and one near the top). Each set will consist of three guides equally spaced circumferentially.

After the conductor casing has been installed, cement grout shall then be injected in the annular space between the inner casing and the borehole from bottom to top by means of a tremie pipe. Cement grout material shall be placed by the positive displacement pumping method in one continuous operation. Upon completion of cementing, concrete shall be visible above the surface of the ground outside the conductor casing. After cementing operations are completed, the concrete shall be left undisturbed for a period of not less than 12 hours before drilling is resumed.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



MEASUREMENT AND PAYMENT

Full compensation for doing all work and furnishing all materials necessary to manufacture, deliver, and install the 36-inch surface conductor casing as specified shall be included in the unit bid price per linear foot for "Conductor (Surface) Casing" - Bid Item No. 3.



SECTION 208 - WELL CASINGS AND SCREENS

208 - WELL CASINGS AND SCREENS - BID ITEM NOS. 8.1 THROUGH 8.7

SCOPE

The Contractor shall furnish all materials and work necessary to manufacture, deliver, and install well casing, reducers, screens, cellar pipes and caps, tremie pipes and sounding pipes as shown on the drawings and in accordance with these Specifications.

Quantity (Linear Feet)	Item	Bid Item No.
760	22-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CASING	8.1
300	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL WIRE-WRAP WELL SCREEN, 0.050-INCH SLOTS	8.2
20	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CASING	8.3
20	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CELLAR WITH BULLNOSE	8.4
750	3-INCH-DIAMETER, STAINLESS STEEL PERMANENT GRAVEL TUBE	8.5
760	3-INCH-DIAMETER, STAINLESS STEEL PERMANENT SOUNDING TUBE	8.6
3	3-INCH-DIAMETER, TYPE 304 STAINLESS STEEL CASING VENT PIPE	8.7

MATERIALS

22-Inch-Inside-Diameter Stainless Steel Blank Well Casing. The 22-inch diameter blank casing shall be of TYPE 304 stainless steel construction, in accordance with ASTM A-312 or A-778, with minimum 0.5-inch (1/2-inch) wall thickness.

20-Inch-Nominal-Diameter Stainless Steel Wire Wrapped Well Screen. Well screen shall be 20-inch-nominal-diameter stainless steel, TYPE 304. Screen opening width shall be 0.050-inch. The well screen shall be of the continuous slot, welded, wire-wrapped design, and of construction to provide sufficient tensile and collapse strength. Vertical rods shall be 0.25-inch diameter and consist of 84 rods circumferentially (minimum). For the No. 50 slot screen (0.050-inch), the minimum open area requirement is 155 square inches per linear foot. The tolerance for the final slot size selected shall be ± 0.005 inches. It is the Contractor's sole



responsibility to ensure the well screen has sufficient tensile and collapse strength to be assembled, landed, and installed without damage to casing, screen, or borehole.

20-Inch-Nominal-Diameter Stainless Steel Blank Well Casing. The 20-inch diameter blank casing shall be of TYPE 304 stainless steel construction, in accordance with ASTM A-312 or A-778, with minimum 0.375-inch (3/8-inch) wall thickness.

20-Inch-Nominal Diameter Stainless Steel Cellar Pipe and Cap. The stainless steel cellar pipe shall be 20-inch-nominal-diameter in size and 20 feet in length, and manufactured of TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778. The wall thickness shall be minimum 0.375-inches (3/8-inches). The bottom of the well casing shall be fitted with a bullnose plug welded in place.

3-Inch-Inside-Diameter Stainless Steel Gravel Feed Tube. A permanent gravel tremie pipe shall be installed. The tremie pipe will be manufactured of TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778, and extend to a depth of approximately 750 feet bgs, as shown on Figure 3.

3-Inch-Inside-Diameter Stainless Steel Sounding Tube. The sounding tube shall consist of 3-inch-inside-diameter, TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778 and extend to a depth of approximately 760 feet bgs, as shown on **Figure 3.**

3-Inch-Inside-Diameter Stainless Steel Chlorination Access Pipe. A permanent access pipe shall be installed. The access pipe will be constructed of 3-inch-inside-diameter, TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778.

Upon completion of reaming the pilot bore, the Contractor shall install the well screen and casing at intervals as determined by the OTR. The proposed well design is shown on **Figure 3.** The final design will be established upon review of the pilot hole geophysical log.

The casing and screen shall be plumb and shall be centered in the hole. All field joints shall be properly lapwelded during installation with a minimum of two passes per circumference. Centralizers with 120-degree spacing, attached directly to the casing and screen by welding at intervals of not more than 60 feet within the screened casing and at intervals of not more than 80 feet within the blank casing shall be provided in order to center and hold the casing in the proper position until the gravel is in place. The centralizers shall be of the same material used in each casing or screen interval. Casing centralizers shall be placed up to a depth of approximately 80 feet below ground surface.

The casing shall be suspended in tension from the surface by means of an appropriate hanger or clamp. The bottom of the casing shall be at a sufficient distance above the bottom of the reamed hole to ensure that none of the casing will be supported from the bottom of the hole. The use of float plugs to land and set casing will not be permitted.



A construction tremie pipe will be installed to place the gravel pack and the cement grout in the annulus. Prior to final gravel packing operations, the permanent gravel tremie pipe will be installed. The remainder of the gravel will then be installed. The top of the permanent tremie pipe will extend a minimum of 20 inches above ground surface and be equipped with a screw-on cap. The gravel tube shall not be 'topped off' with gravel, but shall be left empty. The Contractor shall ensure that the permanent gravel tube is maintained free and clear through cementing operations by continuously running clear water through the permanent gravel tube during gravel packing and cementing operations.

A permanent sounding pipe will be connected to the casing at the approximate location shown on **Figure 3** and will be lowered simultaneously with the emplacement of the casing. The sounding pipe will be provided with a minimum 6-foot-long reinforced connection (entry box) to the steel casing, as shown on **Figure 4**. The bottom of the entry box shall be between 12 and 24 inches from the bottom of the blank casing joint to which it is attached. The inside joined surfaces of the entry box and casing shall be filled and ground smooth to the satisfaction of the OTR so as to not damage downhole wirelines and associated tools (e.g., video cameras, spinner tools, etc.,). Ground surface orientation of the gravel and sounding tubes shall be 90 degrees apart as shown on **Figure 5**. The top of the sounding pipe shall be terminated as shown on **Figure 5**.

A permanent casing vent pipe will be connected to the casing as shown on **Figure 5**.

The top of the casing will be provided with a welded cap at all times when personnel are not on the site.

All casing material shall be new.

If, for any reason, the casing cannot be landed in the correct position or at a depth acceptable to the OTR, or any of the casings should collapse prior to well completion, the Contractor shall construct another well immediately adjacent to the original location and complete this well in accordance with the specifications at no additional cost to OWNER. The abandoned hole shall be sealed in accordance with directions from OWNER and in accordance with any laws pertaining to proper well abandonment.

All work required to be repeated and all additional materials, labor, and equipment required, shall be furnished at the expense of the Contractor and no claim for additional compensation shall be made or be allowed, except as specifically provided herein.

All field welding shall be performed in accordance with American Welding Society Standards by a certified welder.

The following field welding procedures shall apply:

- A length shall be lowered into the well with the collar facing upward.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



- The plain end of the following length shall be inserted in the collar. True contact of the two joints must be verified by observation through the inspection windows.
- Spot welds shall be placed through the three windows in order to hold the contact position.
- A fillet type weld shall be made covering the top edge of the collar continuously for the entire circumference. Two passes or welds shall be applied to 5/16-inch and thicker wall material.
- The inspection windows on blank casing sections shall be seal-welded to assure a leak-proof connection.

The following electrodes shall be utilized for various casing and screen materials.

Mild Steel	E-6011 or E-7018
Copper Bearing Steel	E-6011 or E-7018
Low Alloy Steel (ASTM A242 or equivalent)	E-7018
Stainless Steel (Type 304)	E-308L-16

Depending on wall thickness, the following electrode sizes shall apply:

<u>Wall Thickness</u>	<u>Electrode Size</u>
1/8-inch	1/8-inch
3/16- to 1/4-inch	5/32- to 3/16-inch
over 1/4-inch	3/16- to 1/4-inch

TESTING

Not applicable.

SUBMITTALS

The Contractor shall supply the OTR with an affidavit of compliance stating the casing, screen, pipe and cap comply with the applicable requirements of ASTM Standards. Contractor shall also submit qualifications and evidence of current certification of the welder(s).

MEASUREMENTS

For the purposes of payment, measurements of casing, screen, and pipes, shall be per linear foot.

PAYMENT

Full compensation for doing all work and furnishing all materials necessary to manufacture, deliver, and install well casing and screens as shown on the drawings and as specified shall be included in the unit price bid per linear foot for: 22-Inch-Inside-Diameter

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



Stainless Steel Blank Casing - Bid Item No. 8.1; 20-Inch-Nominal-Diameter Stainless Steel Wire-Wrapped Well Screen - Bid Item No. 8.2; 20-Inch-Nominal-Diameter Stainless Steel Blank Casing - Bid Item No. 8.3; 20-Inch-Nominal-Diameter Stainless Steel Cellar and Bullnose - Bid Item No. 8.4; 3-Inch-Inside-Diameter Stainless Steel Gravel Tube - Bid Item No. 8.5; 3-Inch-Inside Diameter Stainless Steel Sounding Tube - Bid Item No. 8.6; and 3-Inch-Inside Diameter Stainless Steel Access Pipe - Bid Item No. 8.7.

Curt Zimmerer

From: Robert Mori <pipddl@yahoo.com>
Sent: Tuesday, November 13, 2018 3:00 PM
To: Robert-Zimmerer; Derrick Koehler; Curt Zimmerer
Subject: Re: Fitch Park

20" x .050 slot type 304 stainless Johnson screen x 20' or 450' lengths \$212.00 ft ✓

Robert Mori
Pacific State Pipe
office: 209-931-7862 cell: 209-482-5243
fax: 209-931-7866 email:robert@pacificstatepipe.com
www.pacificstatepipe.com

On Tuesday, November 13, 2018, 2:42:49 PM PST, Robert Mori <pipddl@yahoo.com> wrote:

55 ft 36" x .375 wall conductor \$120.00 ft ✓
760 ft 22" OD x .500 wall type 304 stainless casing per ASTM A778 w/collars x 40' lengths (13-15 weeks ARO) \$598.00 ft
x 34'-6" lengths (9-12 weeks ARO) \$538.00 ft
x 40' lengths (19-23 weeks ARO) \$530.00 ft ✓
40 ft 20" x .375 wall type 304 stainless casing w/collars \$289.00 ft ✓
1 EA 22"OD x 20"OD reducer \$2,900.00 ✓
1 EA 20" Bull nose \$580.00 ea ✓
750 ft 3" sch 40 type 304 stainless plain end \$19.00 ft
760 ft 3" sch 40 type 304 stainless w/collars \$22.81 ft

Above prices are good for 30-days

Robert Mori
Pacific State Pipe
office: 209-931-7862 cell: 209-482-5243
fax: 209-931-7866 email:robert@pacificstatepipe.com
www.pacificstatepipe.com

Curt Zimmerer

From: Robert Mori <pipddl@yahoo.com>
Sent: Tuesday, November 13, 2018 2:43 PM
To: Robert Zimmerer; Derrick Koehler; Curt Zimmerer
Subject: Fitch Park

55 ft 36" x .375 wall conductor \$120.00 ft

760 ft 22" OD x .500 wall type 304 stainless casing per ASTM A778 w/collars x 40' lengths (13-15 weeks ARO) \$598.00 ft

weeks ARO) \$538.00 ft

x 34'-6" lengths (9-12

weeks ARO) \$530.00 ft

x 40' lengths (19-23

40 ft 20" x .375 wall type 304 stainless casing w/collars \$289.00 ft

1 EA 22"OD x 20"OD reducer \$2,900.00

1 EA 20" Bull nose \$580.00 ea

750 ft 3" sch 40 type 304 stainless plain end \$19.00 ft

760 ft 3" sch 40 type 304 stainless w/collars \$22.81 ft

Above prices are good for 30-days

Robert Mori
Pacific State Pipe
office: 209-931-7862 cell: 209-482-5243
fax: 209-931-7866 email: robert@pacificstatepipe.com
www.pacificstatepipe.com

Curt Zimmerer

From: Curt Zimmerer
Sent: Tuesday, November 13, 2018 2:20 PM
To: derrick@pacificstatepipe.com; Robert@pacificstatepipe.com
Cc: Robert Zimmerer
Subject: RE: Request for quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.

Robert / Derrick,

There is no requirement for American made pipe. Please quote most cost effective pricing for casing searching both foreign and domestic casing manufacturers.

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

-----Original Message-----

From: Curt Zimmerer
Sent: Tuesday, November 13, 2018 12:52 PM
To: derrick@pacificstatepipe.com; Robert@pacificstatepipe.com
Cc: Robert Zimmerer <bob@zimindustries.com>
Subject: Request for quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.

Robert / Derrick,

Attached is the bid schedule and specs for a project bidding on 11-15-2018 in Monterey, CA. The attached PDF file contains a copy of the material specifications for the water well project bidding Thursday at the Monterey Peninsula Water Supply Project for the construction of Fitch Park ASR Wells 5 and 6. Please provide a quotation for the materials listed on the attached PDF file. The well casing on this project is specified Roscoe Moss or equivalent type 304 stainless steel blank and wire-wrap screen supplier, but the conductor is specified A-139, Grade B low carbon steel. In addition, please fill out the information on the Bidder's List of Subcontractors DBE form. This information is needed no later than

5:00 PM tomorrow as this project bids on November 15, 2018 and has to be federal expressed tomorrow night. Thank you for your assistance and interest.

I look forward to receiving your quote and bid form required by this project.

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

Curt Zimmerer

From: Curt Zimmerer
Sent: Tuesday, November 13, 2018 12:53 PM
To: 'derrick@pacificstatepipe.com'; 'Robert@pacificstatepipe.com'
Cc: Robert Zimmerer
Subject: Request for quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.
Attachments: 20181113113710962.pdf

Robert / Derrick,

Attached is the bid schedule and specs for a project bidding on 11-15-2018 in Monterey, CA. The attached PDF file contains a copy of the material specifications for the water well project bidding Thursday at the Monterey Peninsula Water Supply Project for the construction of fitch Park ASR Wells 5 and 6. Please provide a quotation for the materials listed on the attached PDF file. The well casing on this project is specified Roscoe Moss or equivalent type 304 stainless steel blank and wire-wrap screen supplier, but the conductor is specified A-139, Grade B low carbon steel. In addition, please fill out the information on the Bidder's List of Subcontractors DBE form. This information is needed no later than 5:00 PM tomorrow as this project bids on November 15, 2018 and has to be federal expressed tomorrow night. Thank you for your assistance and interest.

I look forward to receiving your quote and bid form required by this project.

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

BIDDER'S LIST

- Contractor is required to provide the following information for all DBE and non-DBE subcontractors, who provided a proposal, bid, quote, or were contacted by Contractor. This information must be submitted with Contractor's bid.

Prime Contractor: Zjm Industries, Inc.
Project: Monterey Peninsula Water Supply Project
Construction of Fitch Park ASR Wells 5 and 6

Firm Name:	_____	Phone:	_____
Business Address:	_____	Fax:	_____
Email:	_____		
License No. and Classification:	_____	Years in Business:	_____
Contact Person:	_____		
Is the firm currently certified as a DBE? <input type="checkbox"/> No <input type="checkbox"/> Yes Cert. Number: _____			
Type of work/ services/ materials proposed by bidder:			

Amount of Bid/Quote: _____			
Date of Bid/Quote: _____			



**Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form**

This form is intended to capture the DBE¹ subcontractor's² description of work to be performed and the price of the work submitted to the prime contractor. A Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractor's bid or proposal package.

Subcontractor Name		Project Name	
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact	
Address			
Telephone No.		Email Address	
Prime Contractor Name		Issuing/Funding Entity	

Contract Item Number	Description of Work Submitted from the Prime Contractor Involving Construction, Services, Equipment or Supplies	Price of Work Submitted to the Prime Contractor
DBE Certified By: <input type="checkbox"/> DOT <input type="checkbox"/> SBA Other: _____		Meets/exceeds EPA certification standards? YES NO Unknown

¹ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

² Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.

EXHIBIT A

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	Date

Subcontractor Signature	Print Name
Title	Date

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.

FORM 4500-3 (DBE Subcontractor Performance Form)

Revised 12/2016

**CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6**

BID SHEET for FITCH PARK ASR-5 AND ASR-6 CONSTRUCTION

BID ADDENDUM NO. 3

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
1	Mobilization	Lump Sum	Lump Sum	\$	\$	\$
2	Noise Control / Sound Barrier	Linear Feet	500	\$	\$	\$
3	36-Inch Diameter Carbon Steel Conductor Casing	Linear Feet	55	\$	\$	\$
4	Pilot Bore Drilling	Linear Feet	1065	\$	\$	\$
5	Geophysical Logging	Lump Sum	Lump Sum	\$	\$	\$
6	Pilot Bore Reaming	Linear Feet	1065	\$	\$	\$
7	Caliper Survey	Lump Sum	Lump Sum	\$	\$	\$
8.1	22-inch Diameter Stainless Steel Blank Casing	Linear Feet	760	\$	\$	\$
8.2	20-inch Diameter Stainless Steel Wire Wrapped Screen	Linear Feet	300	\$	\$	\$
8.3	20-inch Diameter Stainless Steel Blank Casing	Linear Feet	20	\$	\$	\$
8.4	20-inch Diameter Stainless Steel Cellar with Bullnose	Lump Sum	20	\$	\$	\$
8.5	3-inch Diameter Stainless Steel Gravel Tremie Pipe	Linear Feet	750	\$	\$	\$
8.6	3-inch Diameter Stainless Steel Sounding Pipe	Linear Feet	760	\$	\$	\$
8.7	3-inch Diameter Stainless Steel Casing Vent Pipe	Lump Sum	Lump Sum	\$	\$	\$
9	Gravel Pack	Linear Feet	390	\$	\$	\$
10	Cement Grout	Linear Feet	730	\$	\$	\$
11.1	Mechanical Development	Hours	85	\$	\$	\$
11.2	Pumping Development	Hours	100	\$	\$	\$
11.3	Additional Mechanical Development	Hours	XX Hours	\$	XXXX	XXXX
11.4	Additional Pumping Development	Hours	XX Hours	\$	XXXX	XXXX

CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
12	Production Testing	Hours	16	\$	\$	\$
13	Disinfection of Well	Lump Sum	Lump Sum	\$	\$	\$
14	Wellhead Completion and Installation of Pump/Motor and FCV Assembly	Lump Sum	Lump Sum	\$	\$	\$
14.A	Well Pump/Motor and FCV Assembly	Allowance	Allowance	\$300,000	\$300,000	\$600,000
14.B	Percent Markup Over Invoiced Cost for Well Pump/Motor and FCV Assembly	Percent	Percent	%	%	%
14.C	Markup Amount (amount entered in 14.A times percent entered in 14.B)	Lump Sum	Lump Sum	\$	\$	\$
15	Downhole Velocity Surveys	Lump Sum	Lump Sum	\$	\$	\$
16	Acceptance Video Surveys	Lump Sum	Lump Sum	\$	\$	\$
17	Plumbness and Alignment	Lump Sum	Lump Sum	\$	\$	\$
18	Standby Time	Hours	XX Hours	\$	XXXX	XXXX
19	Site Cleanup	Lump Sum	Lump Sum	\$	\$	\$
20	Fluid and Cuttings Containment and Disposal	Lump Sum	Lump Sum	\$	\$	\$
21	Temporary Discharge Pipeline	Lump Sum	Lump Sum	\$	XXXX	\$
22	Traffic Control Plan	Lump Sum	Lump Sum	\$	\$	\$
23	Connect pipe extension & valves to Temporary Water Supply, and construction water consumption	Allowance	Allowance	\$	\$10,000	\$20,000
24	Temporary 7' height Perimeter Site Security, Chain Link Fencing & Double Leaf Gates, lockable	Lump Sum	Lump Sum	\$	\$	\$
25	Community Outreach Plan & Attend Meetings	Allowance	Allowance	\$	\$3000	\$6000
26	Prepare & implement BMP's and Storm Water Pollution Prevention Plan (SWPPP)	Lump Sum	Lump Sum	\$	\$	\$
Total Amount Bid:					\$	\$

CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
Total In Words:						

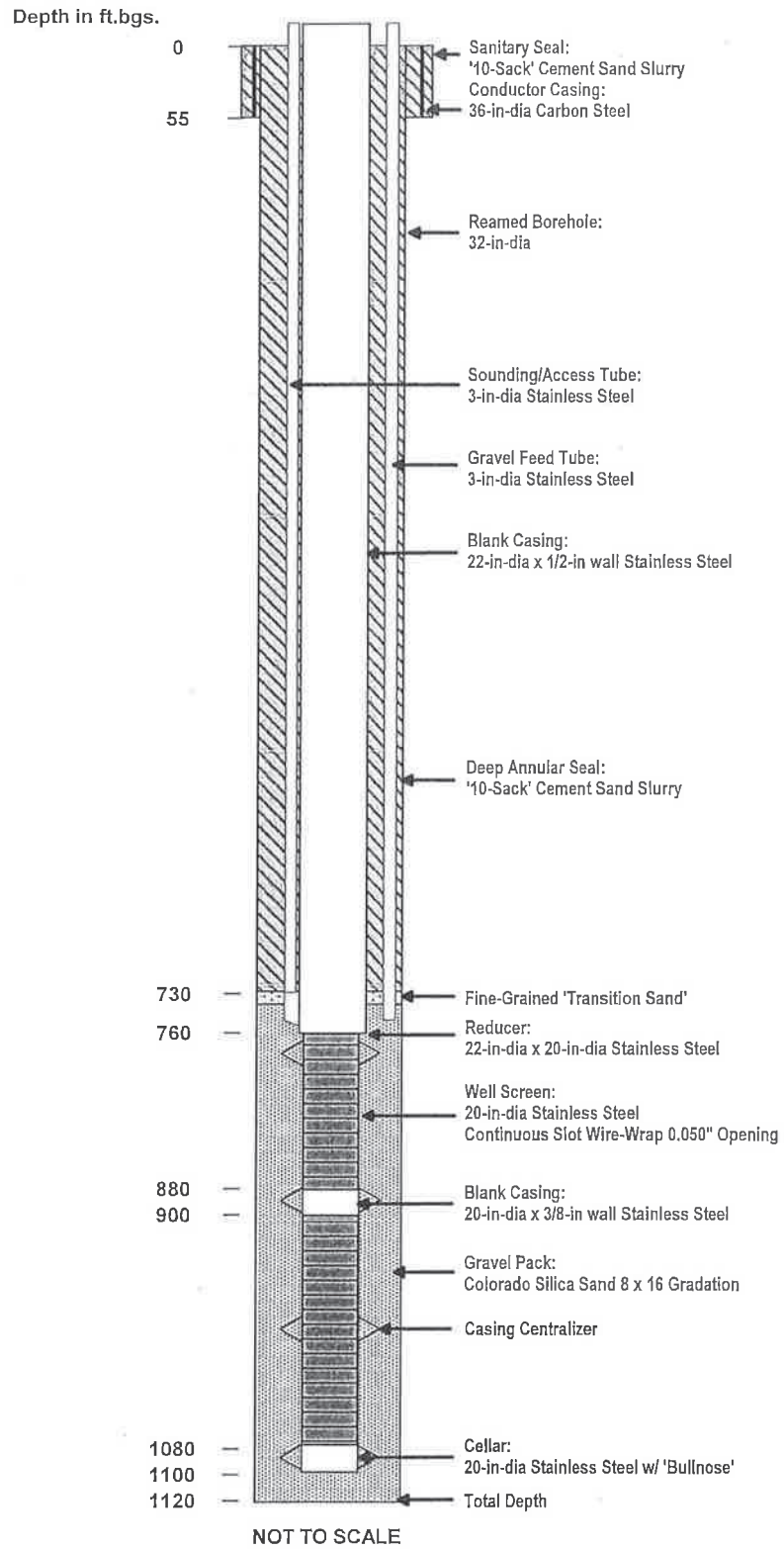


FIGURE 3. PRELIMINARY WELL DESIGN SCHEMATIC
 Fitch Park ASR-5 and ASR-6 Project
 California American Water



The drill rig utilized must have the ability to fully lift and land the anticipated casing loads without the use of float plugs or other similar methods. All drill pipe must utilize threaded flush or upset tool joints, or equal, as approved by the Owner's Technical Representative (OTR).

SECTION 105 - CONSTRUCTION SCHEDULE

Construction activities are anticipated to start in **4th Quarter 2018** following approval of the project.

Drilling efficiency and rapid advance rates both for the pilot hole and reamed borehole are critical to the successful completion of hydraulically efficient wells. Accordingly, the Contractor shall conduct construction operations on a 24-hour per day, 7-day per week basis, and without significant delays, starting with the commencement of pilot hole drilling (after setting the surface conductor casing) and continuing until the initial mechanical development of the well (airlift swabbing) is completed. Work must begin within thirty (30) consecutive calendar days of notice to proceed and all work must be completed within one hundred eighty (180) calendar days from the commencement of work activities.

A construction schedule must be submitted with the bid in order for the bid to be considered responsive.

SECTION 106 - OVERVIEW OF WORK TO BE DONE

SECTION 106.1 - REQUIREMENTS OF WORK

Work includes the furnishing of all materials, labor, equipment, fuel, tools, transportation, and services for drilling, construction, development, testing, and completion of the well as described in these specifications.

While the final design of the wells may change, the general work required applicable to **each** of the project wells include:

- 1) The Contractor shall obtain the necessary well drilling permits from the County of Monterey Environmental Health Department.
- 2) Move equipment on (and off) of the site.
- 3) Furnish and install a temporary sound barrier. The sound barrier shall be a minimum 24 feet high, approximately 500 lineal feet, with minimum sound transmission class (STC) rating of 25.
- 4) Drill and install a 36-inch outside diameter, steel conductor (surface) casing to a total depth of 55 feet, below ground surface (bgs). The borehole for the conductor casing shall have a minimum diameter of 46 inches. Place a cement-grout annular seal in the space between the conductor casing and the borehole wall, from the bottom of the conductor casing to the ground surface.
- 5) Drill a pilot borehole to a total depth of 1,120 feet bgs (total footage of 1,065 feet, starting at the base of the conductor casing of 55 feet, bgs). Pilot borehole shall have

ATTACHMENT C



- a maximum diameter of 18 inches. Collect drill cuttings, and maintain a detailed pipe tally, drilling time log, drilling fluid log, and drill cuttings log.
- 6) Provide for, and assist with, a geophysical borehole log of the pilot bore using spontaneous potential (SP), resistivity, and natural gamma surveys of the pilot hole.
 - 7) Ream pilot bore to a diameter of 32 inches to a total depth of 1,120 feet (total ream footage of 1,065 feet).
 - 8) Install well casing and screen, in accordance with the following schedule: 1) 760 feet of 22-inch diameter, stainless steel (Type 304) blank casing; 2) 300 feet of 20-inch diameter, stainless steel (Type 304) wire-wrapped well screen; 3) 20 feet of 20-inch diameter, stainless steel (Type 304) blank casing (20-ft separation between two screened sections) and 4) 20 feet of 20-inch diameter, stainless steel (Type 304) blank cellar pipe with a bullnose.
 - 9) Install 3-inch diameter, stainless steel (Type 304) gravel feed and sounding tubes to depths of approximately 750 feet bgs and 760 feet bgs, respectively.
 - 10) Install gravel pack from the bottom of the reamed hole up to a depth of approximately 735 feet below ground surface.
 - 11) Place approximately 5 feet of 'transition' sand above the top of the gravel pack.
 - 12) Place approximately 730 feet of cement grout sanitary seal.
 - 13) Develop the well by air-lifting/swabbing and pumping.
 - 14) Provide and install temporary discharge piping for conveying water produced during development and test pumping to a surface spreading location.
 - 15) Install and remove test pump for final development and well performance aquifer testing.
 - 16) Provide for, and assist with, conducting velocity (spinner) survey during step production testing.
 - 17) Provide for, and assist with, conducting an alignment survey of the completed well.
 - 18) Provide for, and assist with, conducting an acceptance video survey of the completed well.
 - 19) Disinfect the well.
 - 20) Provide wellhead completion, pump foundation and permanent pump assembly.
 - 21) Provide temporary discharge piping and energy dissipater(s) for development and test pumping discharges.
 - 22) Clean up the sites.
 - 23) Contain and legally dispose drilling fluids and cuttings offsite.
 - 24) Fulfill all well drilling permit requirements, including the preparation and filing of a Department of Water Resources Well Completion Report.

ATTACHMENT C



The tentative casing schedules for the FP ASR-5 and ASR-6 wells is as follows:

Interval (depth in ft below ground surface)	Material
0 to 760	22-inch diameter, 1/2-inch wall thickness, TYPE 304 STAINLESS STEEL blank casing
760 to 880	20-inch diameter, TYPE 304 STAINLESS STEEL wire-wrapped well screen, with 0.050-inch slots
880 to 900	20-inch diameter, 3/8 wall thickness, TYPE 304 STAINLESS STEEL blank casing
900 to 1080	20-inch diameter, TYPE 304 STAINLESS STEEL wire-wrapped well screen, with 0.050-inch slots
1080 to 1100	20-inch diameter, 3/8 wall thickness, TYPE 304 STAINLESS STEEL blank cellar with bullnose

A depiction of the proposed FP ASR-5 and ASR-6 wells is presented on **Figure 3**. The Contractor is advised that the proposed design of the wells presented above is based on information available at the time of development of these specifications. Although no significant changes are anticipated, the final designs of the wells may be altered based on the conditions at the site as determined through the pilot hole drilling and the new geophysical surveys.

SECTION 107 - OTHER WORK REQUIRED

In addition to the work described in Section 106, the Contractor will be responsible for other work that will be required during the construction of the well.

The Contractor shall contact Underground Services Alert (USA) at least 3 days prior to any drilling or excavation at the site.

The Contractor shall prepare the site in a manner as to provide adequate work space, safe working conditions, site ingress/egress and sufficient containment and storage of drilling cuttings and fluids. The Contractor shall also implement, install, and maintain Best Management Practices (BMPs) for the control of nuisance water and storm water. The BMPs shall be adequate to prevent erosion and runoff of sediment laden water from the work site. During construction, washing of concrete trucks, equipment, or similar activities shall occur only in areas where wash water can be contained on site.

The Fitch Park ASR sites contain numerous trees and shrubs that may need to be removed or trimmed in order to provide sufficient unobstructed space for equipment and materials. Prior to Contractor mobilization, OWNER will retain an arborist to trim or remove trees and/or shrubs, and to identify which plant species require protection during project activities. If required, OWNER will install protective fencing around sensitive plants or trees. It shall be the Contractor’s responsibility to avoid protected areas and maintain the protective fencing during the course of the project.



SECTION 203 - CONDUCTOR (SURFACE) CASING

203 - CONDUCTOR (SURFACE) CASING, BID ITEM NO. 3

SCOPE

The Contractor shall furnish all equipment, material, and work necessary to install the surface conductor casing as shown on the Drawings and specified herein. Prior to drilling of the pilot hole, the Contractor shall bore a 42-inch-minimum-diameter hole from ground surface to a depth of 55 feet bgs, or as directed by the OTR, in which a surface conductor casing shall be installed.

MATERIALS

The conductor casing shall be a minimum 36 inches outside-diameter steel pipe having a wall thickness of not less than 0.375-inch (3/8-inch) and a below ground length of not less than 55 feet. Conductor casing shall be manufactured in accordance with ASTM Designation A-139, Grade B, without copper. All joints in the conductor casing shall be securely welded and shall be watertight.

Cement grout shall be composed of not more than 3 cubic feet of sand and 1 cubic foot (one sack) of Portland cement to 5 to 7 gallons (0.67 to 0.90 cubic feet) of clean water. This is typically considered to be a 10-sack Portland cement sand slurry mix when ordered from batching plants. Bentonite, to make the mix more fluid and reduce shrinkage, may be used to a total of 5 percent (5%) of the volume of the cement. If 5 percent bentonite is used, water content can be increased to 8.2 gallons per sack of cement.

PLACEMENT

Prior to drilling the conductor casing holes, the Contractor shall pothole the hole locations prior to installation to ensure no underground utilities will be impacted. During placement of the conductor casing, field joints shall be either collared or plain-end, and welded together. Centering guides shall be welded to the conductor casing with a minimum of two sets of guides (one near the bottom and one near the top). Each set will consist of three guides equally spaced circumferentially.

After the conductor casing has been installed, cement grout shall then be injected in the annular space between the inner casing and the borehole from bottom to top by means of a tremie pipe. Cement grout material shall be placed by the positive displacement pumping method in one continuous operation. Upon completion of cementing, concrete shall be visible above the surface of the ground outside the conductor casing. After cementing operations are completed, the concrete shall be left undisturbed for a period of not less than 12 hours before drilling is resumed.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



MEASUREMENT AND PAYMENT

Full compensation for doing all work and furnishing all materials necessary to manufacture, deliver, and install the 36-inch surface conductor casing as specified shall be included in the unit bid price per linear foot for "Conductor (Surface) Casing" - Bid Item No. 3.



SECTION 208 - WELL CASINGS AND SCREENS

208 - WELL CASINGS AND SCREENS - BID ITEM NOS. 8.1 THROUGH 8.7

SCOPE

The Contractor shall furnish all materials and work necessary to manufacture, deliver, and install well casing, reducers, screens, cellar pipes and caps, tremie pipes and sounding pipes as shown on the drawings and in accordance with these Specifications.

Quantity (Linear Feet)	Item	Bid Item No.
760	22-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CASING	8.1
300	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL WIRE-WRAP WELL SCREEN, 0.050-INCH SLOTS	8.2
20	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CASING	8.3
20	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CELLAR WITH BULLNOSE	8.4
750	3-INCH-DIAMETER, STAINLESS STEEL PERMANENT GRAVEL TUBE	8.5
760	3-INCH-DIAMETER, STAINLESS STEEL PERMANENT SOUNDING TUBE	8.6
3	3-INCH-DIAMETER, TYPE 304 STAINLESS STEEL CASING VENT PIPE	8.7

MATERIALS

22-Inch-Inside-Diameter Stainless Steel Blank Well Casing. The 22-inch diameter blank casing shall be of TYPE 304 stainless steel construction, in accordance with ASTM A-312 or A-778, with minimum 0.5-inch (1/2-inch) wall thickness.

20-Inch-Nominal-Diameter Stainless Steel Wire Wrapped Well Screen. Well screen shall be 20-inch-nominal-diameter stainless steel, TYPE 304. Screen opening width shall be 0.050-inch. The well screen shall be of the continuous slot, welded, wire-wrapped design, and of construction to provide sufficient tensile and collapse strength. Vertical rods shall be 0.25-inch diameter and consist of 84 rods circumferentially (minimum). For the No. 50 slot screen (0.050-inch), the minimum open area requirement is 155 square inches per linear foot. The tolerance for the final slot size selected shall be ± 0.005 inches. It is the Contractor's sole



responsibility to ensure the well screen has sufficient tensile and collapse strength to be assembled, landed, and installed without damage to casing, screen, or borehole.

20-Inch-Nominal-Diameter Stainless Steel Blank Well Casing. The 20-inch diameter blank casing shall be of TYPE 304 stainless steel construction, in accordance with ASTM A-312 or A-778, with minimum 0.375-inch (3/8-inch) wall thickness.

20-Inch-Nominal Diameter Stainless Steel Cellar Pipe and Cap. The stainless steel cellar pipe shall be 20-inch-nominal-diameter in size and 20 feet in length, and manufactured of TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778. The wall thickness shall be minimum 0.375-inches (3/8-inches). The bottom of the well casing shall be fitted with a bullnose plug welded in place.

3-Inch-Inside-Diameter Stainless Steel Gravel Feed Tube. A permanent gravel tremie pipe shall be installed. The tremie pipe will be manufactured of TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778, and extend to a depth of approximately 750 feet bgs, as shown on Figure 3.

3-Inch-Inside-Diameter Stainless Steel Sounding Tube. The sounding tube shall consist of 3-inch-inside-diameter, TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778 and extend to a depth of approximately 760 feet bgs, as shown on Figure 3.

3-Inch-Inside-Diameter Stainless Steel Chlorination Access Pipe. A permanent access pipe shall be installed. The access pipe will be constructed of 3-inch-inside-diameter, TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778.

Upon completion of reaming the pilot bore, the Contractor shall install the well screen and casing at intervals as determined by the OTR. The proposed well design is shown on Figure 3. The final design will be established upon review of the pilot hole geophysical log.

The casing and screen shall be plumb and shall be centered in the hole. All field joints shall be properly lapwelded during installation with a minimum of two passes per circumference. Centralizers with 120-degree spacing, attached directly to the casing and screen by welding at intervals of not more than 60 feet within the screened casing and at intervals of not more than 80 feet within the blank casing shall be provided in order to center and hold the casing in the proper position until the gravel is in place. The centralizers shall be of the same material used in each casing or screen interval. Casing centralizers shall be placed up to a depth of approximately 80 feet below ground surface.

The casing shall be suspended in tension from the surface by means of an appropriate hanger or clamp. The bottom of the casing shall be at a sufficient distance above the bottom of the reamed hole to ensure that none of the casing will be supported from the bottom of the hole. The use of float plugs to land and set casing will not be permitted.



A construction tremie pipe will be installed to place the gravel pack and the cement grout in the annulus. Prior to final gravel packing operations, the permanent gravel tremie pipe will be installed. The remainder of the gravel will then be installed. The top of the permanent tremie pipe will extend a minimum of 20 inches above ground surface and be equipped with a screw-on cap. The gravel tube shall not be 'topped off' with gravel, but shall be left empty. The Contractor shall ensure that the permanent gravel tube is maintained free and clear through cementing operations by continuously running clear water through the permanent gravel tube during gravel packing and cementing operations.

A permanent sounding pipe will be connected to the casing at the approximate location shown on **Figure 3** and will be lowered simultaneously with the emplacement of the casing. The sounding pipe will be provided with a minimum 6-foot-long reinforced connection (entry box) to the steel casing, as shown on **Figure 4**. The bottom of the entry box shall be between 12 and 24 inches from the bottom of the blank casing joint to which it is attached. The inside joined surfaces of the entry box and casing shall be filled and ground smooth to the satisfaction of the OTR so as to not damage downhole wirelines and associated tools (e.g., video cameras, spinner tools, etc.,). Ground surface orientation of the gravel and sounding tubes shall be 90 degrees apart as shown on **Figure 5**. The top of the sounding pipe shall be terminated as shown on **Figure 5**.

A permanent casing vent pipe will be connected to the casing as shown on **Figure 5**.

The top of the casing will be provided with a welded cap at all times when personnel are not on the site.

All casing material shall be new.

If, for any reason, the casing cannot be landed in the correct position or at a depth acceptable to the OTR, or any of the casings should collapse prior to well completion, the Contractor shall construct another well immediately adjacent to the original location and complete this well in accordance with the specifications at no additional cost to OWNER. The abandoned hole shall be sealed in accordance with directions from OWNER and in accordance with any laws pertaining to proper well abandonment.

All work required to be repeated and all additional materials, labor, and equipment required, shall be furnished at the expense of the Contractor and no claim for additional compensation shall be made or be allowed, except as specifically provided herein.

All field welding shall be performed in accordance with American Welding Society Standards by a certified welder.

The following field welding procedures shall apply:

- A length shall be lowered into the well with the collar facing upward.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



- The plain end of the following length shall be inserted in the collar. True contact of the two joints must be verified by observation through the inspection windows.
- Spot welds shall be placed through the three windows in order to hold the contact position.
- A fillet type weld shall be made covering the top edge of the collar continuously for the entire circumference. Two passes or welds shall be applied to 5/16-inch and thicker wall material.
- The inspection windows on blank casing sections shall be seal-welded to assure a leak-proof connection.

The following electrodes shall be utilized for various casing and screen materials.

Mild Steel	E-6011 or E-7018
Copper Bearing Steel	E-6011 or E-7018
Low Alloy Steel (ASTM A242 or equivalent)	E-7018
Stainless Steel (Type 304)	E-308L-16

Depending on wall thickness, the following electrode sizes shall apply:

<u>Wall Thickness</u>	<u>Electrode Size</u>
1/8-inch	1/8-inch
3/16- to 1/4-inch	5/32- to 3/16-inch
over 1/4-inch	3/16- to 1/4-inch

TESTING

Not applicable.

SUBMITTALS

The Contractor shall supply the OTR with an affidavit of compliance stating the casing, screen, pipe and cap comply with the applicable requirements of ASTM Standards. Contractor shall also submit qualifications and evidence of current certification of the welder(s).

MEASUREMENTS

For the purposes of payment, measurements of casing, screen, and pipes, shall be per linear foot.

PAYMENT

Full compensation for doing all work and furnishing all materials necessary to manufacture, deliver, and install well casing and screens as shown on the drawings and as specified shall be included in the unit price bid per linear foot for: 22-Inch-Inside-Diameter

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



Stainless Steel Blank Casing - Bid Item No. 8.1; 20-Inch-Nominal-Diameter Stainless Steel Wire-Wrapped Well Screen - Bid Item No. 8.2; 20-Inch-Nominal-Diameter Stainless Steel Blank Casing - Bid Item No. 8.3; 20-Inch-Nominal-Diameter Stainless Steel Cellar and Bullnose - Bid Item No. 8.4; 3-Inch-Inside-Diameter Stainless Steel Gravel Tube - Bid Item No. 8.5; 3-Inch-Inside Diameter Stainless Steel Sounding Tube - Bid Item No. 8.6; and 3-Inch-Inside Diameter Stainless Steel Access Pipe - Bid Item No. 8.7.



ROSCOE MOSS COMPANY

4360 Worth Street

Los Angeles, California 90063, U.S.A.

Phone: (323) 263-4111, Fax: (323) 263-4497

E-mail: choherd@roscoemoss.com

Web site: www.roscoemoss.com

Estimate - pending finalized list of materials

Monday, November 05, 2018

TO: Bob Zimmerer
Zim Industries

RE: Monterey Peninsula Water Supply Project - Fitch Park ASR Wells 5 & 6

Item	Description	Quantity (FT)	Unit Price (USD)	Total (USD)
	<i>Quantities quoted per well</i>			
1	36"OD x .375"wall, ASTM A139 Grade B, Mild Steel Spiral Welded Conductor Casing, 40 ft lengths, beveled ends	55	\$128.42	\$7,063.10
2	22"OD x 1/2" wall ASTM A778 Stainless Steel Type 304L Blank casing, Weld Collar, 40ft lengths	760	\$536.12	\$407,451.20
3	REDUCER - 22" to 20" SST 304	1	\$6,200.00	\$6,200.00
4	20"OD Stainless Steel Type 304L Continuous Wire Wrap Screen, 0.183" Tri-Wire, 0.250" Round Rod, 0.050" Slot Opening, Weld Collar, 20ft Length Collapse Strength: 163 PSI Safe Hang Weight: 43,273 lbs	300	\$206.35	\$61,905.00
5	20"OD x .375"wall, ASTM A778, Stainless Steel Type 304L Spiral Welded Blank Casing, Weld Collar, 20ft Length	40	\$361.97	\$14,478.80
6	20"OD 304L SE Head	1	\$918.00	\$918.00
7	3" x sch 40 SST 304 gravel feed tube, 20 ft lengths with welding collars attached	750	\$32.68	\$24,510.00
8	3" x sch 40 SST 304 sounding tube, 20 ft lengths with welding collars attached	760	\$32.68	\$24,836.80
9	3" x 72" Long reinforced camera access/sounding tube port	1	\$9,200.00	\$9,200.00
10	SST 304 Casing guides, 3" bend	15	\$24.00	\$360.00
			Total	\$556,922.90

Terms:

- Prices quoted FOB, Los Angeles

- Quote valid for 30 days
- Payment: Net 30 Day Terms on Approved Credit
- Applicable taxes not included

Please feel free to contact me should you have any questions regarding this quote.

Regards,

Charlie Hoherd
Roscoe Moss Company

BIDDER'S LIST

- Contractor is required to provide the following information for all DBE and non-DBE subcontractors, who provided a proposal, bid, quote, or were contacted by Contractor. This information must be submitted with Contractor's bid.

Prime Contractor: Zim Industries, Inc.
Project: Monterey Peninsula Water Supply Project
Construction of Fitch Park ASR Wells 5 and 6

Firm Name:	_____	Phone:	_____
Business Address:	_____	Fax:	_____
Email:	_____		
License No. and Classification:	_____	Years in Business:	_____
Contact Person:	_____		
Is the firm currently certified as a DBE? <input type="checkbox"/> No <input type="checkbox"/> Yes Cert. Number: _____			
Type of work/ services/ materials proposed by bidder: _____ _____			
Amount of Bid/Quote: _____			
Date of Bid/Quote: _____			



***Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form***

This form is intended to capture the DBE¹ subcontractor's² description of work to be performed and the price of the work submitted to the prime contractor. A Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractor's bid or proposal package.

Subcontractor Name		Project Name	
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact	
Address			
Telephone No.		Email Address	
Prime Contractor Name		Issuing/Funding Entity	

Contract Item Number	Description of Work Submitted from the Prime Contractor Involving Construction, Services, Equipment or Supplies	Price of Work Submitted to the Prime Contractor
DBE Certified By: <input type="checkbox"/> DOT <input type="checkbox"/> SBA Other: _____		Meets/exceeds EPA certification standards? YES NO Unknown

¹ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

² Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.

EXHIBIT A

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	Date

Subcontractor Signature	Print Name
Title	Date

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.

FORM 4500-3 (DBE Subcontractor Performance Form)

Revised 12/2016

**CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6**

BID SHEET for FITCH PARK ASR-5 AND ASR-6 CONSTRUCTION

BID ADDENDUM NO. 3

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
1	Mobilization	Lump Sum	Lump Sum	\$	\$	\$
2	Noise Control / Sound Barrier	Linear Feet	500	\$	\$	\$
3	36-Inch Diameter Carbon Steel Conductor Casing	Linear Feet	55	\$	\$	\$
4	Pilot Bore Drilling	Linear Feet	1065	\$	\$	\$
5	Geophysical Logging	Lump Sum	Lump Sum	\$	\$	\$
6	Pilot Bore Reaming	Linear Feet	1065	\$	\$	\$
7	Caliper Survey	Lump Sum	Lump Sum	\$	\$	\$
8.1	22-inch Diameter Stainless Steel Blank Casing	Linear Feet	760	\$	\$	\$
8.2	20-inch Diameter Stainless Steel Wire Wrapped Screen	Linear Feet	300	\$	\$	\$
8.3	20-inch Diameter Stainless Steel Blank Casing	Linear Feet	20	\$	\$	\$
8.4	20-inch Diameter Stainless Steel Cellar with Bullnose	Lump Sum	20	\$	\$	\$
8.5	3-inch Diameter Stainless Steel Gravel Tremie Pipe	Linear Feet	750	\$	\$	\$
8.6	3-inch Diameter Stainless Steel Sounding Pipe	Linear Feet	760	\$	\$	\$
8.7	3-inch Diameter Stainless Steel Casing Vent Pipe	Lump Sum	Lump Sum	\$	\$	\$
9	Gravel Pack	Linear Feet	390	\$	\$	\$
10	Cement Grout	Linear Feet	730	\$	\$	\$
11.1	Mechanical Development	Hours	85	\$	\$	\$
11.2	Pumping Development	Hours	100	\$	\$	\$
11.3	Additional Mechanical Development	Hours	XX Hours	\$	XXXX	XXXX
11.4	Additional Pumping Development	Hours	XX Hours	\$	XXXX	XXXX

**CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6**

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
12	Production Testing	Hours	16	\$	\$	\$
13	Disinfection of Well	Lump Sum	Lump Sum	\$	\$	\$
14	Wellhead Completion and Installation of Pump/Motor and FCV Assembly	Lump Sum	Lump Sum	\$	\$	\$
14.A	Well Pump/Motor and FCV Assembly	Allowance	Allowance	\$300,000	\$300,000	\$600,000
14.B	Percent Markup Over Invoiced Cost for Well Pump/Motor and FCV Assembly	Percent	Percent	%	%	%
14.C	Markup Amount (amount entered in 14.A times percent entered in 14.B)	Lump Sum	Lump Sum	\$	\$	\$
15	Downhole Velocity Surveys	Lump Sum	Lump Sum	\$	\$	\$
16	Acceptance Video Surveys	Lump Sum	Lump Sum	\$	\$	\$
17	Plumbness and Alignment	Lump Sum	Lump Sum	\$	\$	\$
18	Standby Time	Hours	XX Hours	\$	XXXX	XXXX
19	Site Cleanup	Lump Sum	Lump Sum	\$	\$	\$
20	Fluid and Cuttings Containment and Disposal	Lump Sum	Lump Sum	\$	\$	\$
21	Temporary Discharge Pipeline	Lump Sum	Lump Sum	\$	XXXX	\$
22	Traffic Control Plan	Lump Sum	Lump Sum	\$	\$	\$
23	Connect pipe extension & valves to Temporary Water Supply, and construction water consumption	Allowance	Allowance	\$	\$10,000	\$20,000
24	Temporary 7' height Perimeter Site Security, Chain Link Fencing & Double Leaf Gates, lockable	Lump Sum	Lump Sum	\$	\$	\$
25	Community Outreach Plan & Attend Meetings	Allowance	Allowance	\$	\$3000	\$6000
26	Prepare & implement BMP's and Storm Water Pollution Prevention Plan (SWPPP)	Lump Sum	Lump Sum	\$	\$	\$
Total Amount Bid:					\$	\$

CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
Total In Words:						

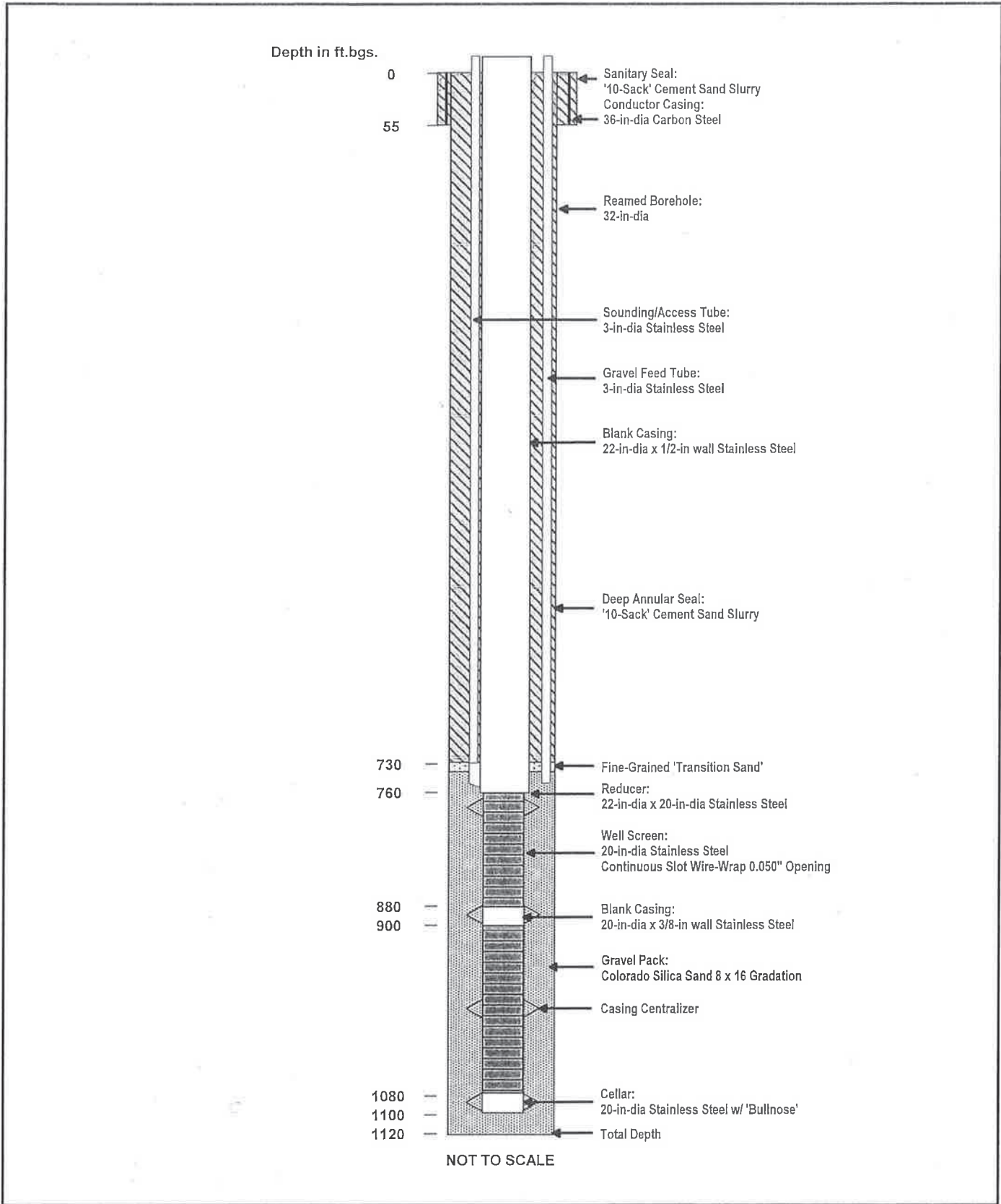


FIGURE 3. PRELIMINARY WELL DESIGN SCHEMATIC
 Fitch Park ASR-5 and ASR-6 Project
 California American Water



The drill rig utilized must have the ability to fully lift and land the anticipated casing loads without the use of float plugs or other similar methods. All drill pipe must utilize threaded flush or upset tool joints, or equal, as approved by the Owner's Technical Representative (OTR).

SECTION 105 - CONSTRUCTION SCHEDULE

Construction activities are anticipated to start in **4th Quarter 2018** following approval of the project.

Drilling efficiency and rapid advance rates both for the pilot hole and reamed borehole are critical to the successful completion of hydraulically efficient wells. Accordingly, the Contractor shall conduct construction operations on a 24-hour per day, 7-day per week basis, and without significant delays, starting with the commencement of pilot hole drilling (after setting the surface conductor casing) and continuing until the initial mechanical development of the well (airlift swabbing) is completed. Work must begin within thirty (30) consecutive calendar days of notice to proceed and all work must be completed within one hundred eighty (180) calendar days from the commencement of work activities.

A construction schedule ***must*** be submitted with the bid in order for the bid to be considered responsive.

SECTION 106 - OVERVIEW OF WORK TO BE DONE

SECTION 106.1 - REQUIREMENTS OF WORK

Work includes the furnishing of all materials, labor, equipment, fuel, tools, transportation, and services for drilling, construction, development, testing, and completion of the well as described in these specifications.

While the final design of the wells may change, the general work required applicable to **each** of the project wells include:

- 1) The Contractor shall obtain the necessary well drilling permits from the County of Monterey Environmental Health Department.
- 2) Move equipment on (and off) of the site.
- 3) Furnish and install a temporary sound barrier. The sound barrier shall be a minimum 24 feet high, approximately 500 lineal feet, with minimum sound transmission class (STC) rating of 25.
- 4) Drill and install a 36-inch outside diameter, steel conductor (surface) casing to a total depth of 55 feet, below ground surface (bgs). The borehole for the conductor casing shall have a minimum diameter of 46 inches. Place a cement-grout annular seal in the space between the conductor casing and the borehole wall, from the bottom of the conductor casing to the ground surface.
- 5) Drill a pilot borehole to a total depth of 1,120 feet bgs (total footage of 1,065 feet, starting at the base of the conductor casing of 55 feet, bgs). Pilot borehole shall have

ATTACHMENT C



- a maximum diameter of 18 inches. Collect drill cuttings, and maintain a detailed pipe tally, drilling time log, drilling fluid log, and drill cuttings log.
- 6) Provide for, and assist with, a geophysical borehole log of the pilot bore using spontaneous potential (SP), resistivity, and natural gamma surveys of the pilot hole.
 - 7) Ream pilot bore to a diameter of 32 inches to a total depth of 1,120 feet (total ream footage of 1,065 feet).
 - 8) Install well casing and screen, in accordance with the following schedule: 1) 760 feet of 22-inch diameter, stainless steel (Type 304) blank casing; 2) 300 feet of 20-inch diameter, stainless steel (Type 304) wire-wrapped well screen; 3) 20 feet of 20-inch diameter, stainless steel (Type 304) blank casing (20-ft separation between two screened sections) and 4) 20 feet of 20-inch diameter, stainless steel (Type 304) blank cellar pipe with a bullnose.
 - 9) Install 3-inch diameter, stainless steel (Type 304) gravel feed and sounding tubes to depths of approximately 750 feet bgs and 760 feet bgs, respectively.
 - 10) Install gravel pack from the bottom of the reamed hole up to a depth of approximately 735 feet below ground surface.
 - 11) Place approximately 5 feet of 'transition' sand above the top of the gravel pack.
 - 12) Place approximately 730 feet of cement grout sanitary seal.
 - 13) Develop the well by air-lifting/swabbing and pumping.
 - 14) Provide and install temporary discharge piping for conveying water produced during development and test pumping to a surface spreading location.
 - 15) Install and remove test pump for final development and well performance aquifer testing.
 - 16) Provide for, and assist with, conducting velocity (spinner) survey during step production testing.
 - 17) Provide for, and assist with, conducting an alignment survey of the completed well.
 - 18) Provide for, and assist with, conducting an acceptance video survey of the completed well.
 - 19) Disinfect the well.
 - 20) Provide wellhead completion, pump foundation and permanent pump assembly.
 - 21) Provide temporary discharge piping and energy dissipater(s) for development and test pumping discharges.
 - 22) Clean up the sites.
 - 23) Contain and legally dispose drilling fluids and cuttings offsite.
 - 24) Fulfill all well drilling permit requirements, including the preparation and filing of a Department of Water Resources Well Completion Report.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



The tentative casing schedules for the FP ASR-5 and ASR-6 wells is as follows:

Interval (depth in ft below ground surface)	Material
0 to 760	22-inch diameter, 1/2-inch wall thickness, TYPE 304 STAINLESS STEEL blank casing
760 to 880	20-inch diameter, TYPE 304 STAINLESS STEEL wire-wrapped well screen, with 0.050-inch slots
880 to 900	20-inch diameter, 3/8 wall thickness, TYPE 304 STAINLESS STEEL blank casing
900 to 1080	20-inch diameter, TYPE 304 STAINLESS STEEL wire-wrapped well screen, with 0.050-inch slots
1080 to 1100	20-inch diameter, 3/8 wall thickness, TYPE 304 STAINLESS STEEL blank cellar with bullnose

A depiction of the proposed FP ASR-5 and ASR-6 wells is presented on **Figure 3**. The Contractor is advised that the proposed design of the wells presented above is based on information available at the time of development of these specifications. Although no significant changes are anticipated, the final designs of the wells may be altered based on the conditions at the site as determined through the pilot hole drilling and the new geophysical surveys.

SECTION 107 - OTHER WORK REQUIRED

In addition to the work described in Section 106, the Contractor will be responsible for other work that will be required during the construction of the well.

The Contractor shall contact Underground Services Alert (USA) at least 3 days prior to any drilling or excavation at the site.

The Contractor shall prepare the site in a manner as to provide adequate work space, safe working conditions, site ingress/egress and sufficient containment and storage of drilling cuttings and fluids. The Contractor shall also implement, install, and maintain Best Management Practices (BMPs) for the control of nuisance water and storm water. The BMPs shall be adequate to prevent erosion and runoff of sediment laden water from the work site. During construction, washing of concrete trucks, equipment, or similar activities shall occur only in areas where wash water can be contained on site.

The Fitch Park ASR sites contain numerous trees and shrubs that may need to be removed or trimmed in order to provide sufficient unobstructed space for equipment and materials. Prior to Contractor mobilization, OWNER will retain an arborist to trim or remove trees and/or shrubs, and to identify which plant species require protection during project activities. If required, OWNER will install protective fencing around sensitive plants or trees. It shall be the Contractor's responsibility to avoid protected areas and maintain the protective fencing during the course of the project.



SECTION 203 - CONDUCTOR (SURFACE) CASING

203 - CONDUCTOR (SURFACE) CASING, BID ITEM NO. 3

SCOPE

The Contractor shall furnish all equipment, material, and work necessary to install the surface conductor casing as shown on the Drawings and specified herein. Prior to drilling of the pilot hole, the Contractor shall bore a 42-inch-minimum-diameter hole from ground surface to a depth of 55 feet bgs, or as directed by the OTR, in which a surface conductor casing shall be installed.

MATERIALS

The conductor casing shall be a minimum 36 inches outside-diameter steel pipe having a wall thickness of not less than 0.375-inch (3/8-inch) and a below ground length of not less than 55 feet. Conductor casing shall be manufactured in accordance with ASTM Designation A-139, Grade B, without copper. All joints in the conductor casing shall be securely welded and shall be watertight.

Cement grout shall be composed of not more than 3 cubic feet of sand and 1 cubic foot (one sack) of Portland cement to 5 to 7 gallons (0.67 to 0.90 cubic feet) of clean water. This is typically considered to be a 10-sack Portland cement sand slurry mix when ordered from batching plants. Bentonite, to make the mix more fluid and reduce shrinkage, may be used to a total of 5 percent (5%) of the volume of the cement. If 5 percent bentonite is used, water content can be increased to 8.2 gallons per sack of cement.

PLACEMENT

Prior to drilling the conductor casing holes, the Contractor shall pothole the hole locations prior to installation to ensure no underground utilities will be impacted. During placement of the conductor casing, field joints shall be either collared or plain-end, and welded together. Centering guides shall be welded to the conductor casing with a minimum of two sets of guides (one near the bottom and one near the top). Each set will consist of three guides equally spaced circumferentially.

After the conductor casing has been installed, cement grout shall then be injected in the annular space between the inner casing and the borehole from bottom to top by means of a tremie pipe. Cement grout material shall be placed by the positive displacement pumping method in one continuous operation. Upon completion of cementing, concrete shall be visible above the surface of the ground outside the conductor casing. After cementing operations are completed, the concrete shall be left undisturbed for a period of not less than 12 hours before drilling is resumed.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



MEASUREMENT AND PAYMENT

Full compensation for doing all work and furnishing all materials necessary to manufacture, deliver, and install the 36-inch surface conductor casing as specified shall be included in the unit bid price per linear foot for "Conductor (Surface) Casing" - Bid Item No. 3.



SECTION 208 - WELL CASINGS AND SCREENS

208 - WELL CASINGS AND SCREENS - BID ITEM NOS. 8.1 THROUGH 8.7

SCOPE

The Contractor shall furnish all materials and work necessary to manufacture, deliver, and install well casing, reducers, screens, cellar pipes and caps, tremie pipes and sounding pipes as shown on the drawings and in accordance with these Specifications.

Quantity (Linear Feet)	Item	Bid Item No.
760	22-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CASING	8.1
300	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL WIRE-WRAP WELL SCREEN, 0.050-INCH SLOTS	8.2
20	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CASING	8.3
20	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CELLAR WITH BULLNOSE	8.4
750	3-INCH-DIAMETER, STAINLESS STEEL PERMANENT GRAVEL TUBE	8.5
760	3-INCH-DIAMETER, STAINLESS STEEL PERMANENT SOUNDING TUBE	8.6
3	3-INCH-DIAMETER, TYPE 304 STAINLESS STEEL CASING VENT PIPE	8.7

MATERIALS

22-Inch-Inside-Diameter Stainless Steel Blank Well Casing. The 22-inch diameter blank casing shall be of TYPE 304 stainless steel construction, in accordance with ASTM A-312 or A-778, with minimum 0.5-inch (1/2-inch) wall thickness.

20-Inch-Nominal-Diameter Stainless Steel Wire Wrapped Well Screen. Well screen shall be 20-inch-nominal-diameter stainless steel, TYPE 304. Screen opening width shall be 0.050-inch. The well screen shall be of the continuous slot, welded, wire-wrapped design, and of construction to provide sufficient tensile and collapse strength. Vertical rods shall be 0.25-inch diameter and consist of 84 rods circumferentially (minimum). For the No. 50 slot screen (0.050-inch), the minimum open area requirement is 155 square inches per linear foot. The tolerance for the final slot size selected shall be ± 0.005 inches. It is the Contractor's sole



responsibility to ensure the well screen has sufficient tensile and collapse strength to be assembled, landed, and installed without damage to casing, screen, or borehole.

20-Inch-Nominal-Diameter Stainless Steel Blank Well Casing. The 20-inch diameter blank casing shall be of TYPE 304 stainless steel construction, in accordance with ASTM A-312 or A-778, with minimum 0.375-inch (3/8-inch) wall thickness.

20-Inch-Nominal Diameter Stainless Steel Cellar Pipe and Cap. The stainless steel cellar pipe shall be 20-inch-nominal-diameter in size and 20 feet in length, and manufactured of TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778. The wall thickness shall be minimum 0.375-inches (3/8-inches). The bottom of the well casing shall be fitted with a bullnose plug welded in place.

3-Inch-Inside-Diameter Stainless Steel Gravel Feed Tube. A permanent gravel tremie pipe shall be installed. The tremie pipe will be manufactured of TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778, and extend to a depth of approximately 750 feet bgs, as shown on Figure 3.

3-Inch-Inside-Diameter Stainless Steel Sounding Tube. The sounding tube shall consist of 3-inch-inside-diameter, TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778 and extend to a depth of approximately 760 feet bgs, as shown on **Figure 3.**

3-Inch-Inside-Diameter Stainless Steel Chlorination Access Pipe. A permanent access pipe shall be installed. The access pipe will be constructed of 3-inch-inside-diameter, TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778.

Upon completion of reaming the pilot bore, the Contractor shall install the well screen and casing at intervals as determined by the OTR. The proposed well design is shown on **Figure 3.** The final design will be established upon review of the pilot hole geophysical log.

The casing and screen shall be plumb and shall be centered in the hole. All field joints shall be properly lapwelded during installation with a minimum of two passes per circumference. Centralizers with 120-degree spacing, attached directly to the casing and screen by welding at intervals of not more than 60 feet within the screened casing and at intervals of not more than 80 feet within the blank casing shall be provided in order to center and hold the casing in the proper position until the gravel is in place. The centralizers shall be of the same material used in each casing or screen interval. Casing centralizers shall be placed up to a depth of approximately 80 feet below ground surface.

The casing shall be suspended in tension from the surface by means of an appropriate hanger or clamp. The bottom of the casing shall be at a sufficient distance above the bottom of the reamed hole to ensure that none of the casing will be supported from the bottom of the hole. The use of float plugs to land and set casing will not be permitted.



A construction tremie pipe will be installed to place the gravel pack and the cement grout in the annulus. Prior to final gravel packing operations, the permanent gravel tremie pipe will be installed. The remainder of the gravel will then be installed. The top of the permanent tremie pipe will extend a minimum of 20 inches above ground surface and be equipped with a screw-on cap. The gravel tube shall not be 'topped off' with gravel, but shall be left empty. The Contractor shall ensure that the permanent gravel tube is maintained free and clear through cementing operations by continuously running clear water through the permanent gravel tube during gravel packing and cementing operations.

A permanent sounding pipe will be connected to the casing at the approximate location shown on **Figure 3** and will be lowered simultaneously with the emplacement of the casing. The sounding pipe will be provided with a minimum 6-foot-long reinforced connection (entry box) to the steel casing, as shown on **Figure 4**. The bottom of the entry box shall be between 12 and 24 inches from the bottom of the blank casing joint to which it is attached. The inside joined surfaces of the entry box and casing shall be filled and ground smooth to the satisfaction of the OTR so as to not damage downhole wirelines and associated tools (e.g., video cameras, spinner tools, etc.,). Ground surface orientation of the gravel and sounding tubes shall be 90 degrees apart as shown on **Figure 5**. The top of the sounding pipe shall be terminated as shown on **Figure 5**.

A permanent casing vent pipe will be connected to the casing as shown on **Figure 5**.

The top of the casing will be provided with a welded cap at all times when personnel are not on the site.

All casing material shall be new.

If, for any reason, the casing cannot be landed in the correct position or at a depth acceptable to the OTR, or any of the casings should collapse prior to well completion, the Contractor shall construct another well immediately adjacent to the original location and complete this well in accordance with the specifications at no additional cost to OWNER. The abandoned hole shall be sealed in accordance with directions from OWNER and in accordance with any laws pertaining to proper well abandonment.

All work required to be repeated and all additional materials, labor, and equipment required, shall be furnished at the expense of the Contractor and no claim for additional compensation shall be made or be allowed, except as specifically provided herein.

All field welding shall be performed in accordance with American Welding Society Standards by a certified welder.

The following field welding procedures shall apply:

- A length shall be lowered into the well with the collar facing upward.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



- The plain end of the following length shall be inserted in the collar. True contact of the two joints must be verified by observation through the inspection windows.
- Spot welds shall be placed through the three windows in order to hold the contact position.
- A fillet type weld shall be made covering the top edge of the collar continuously for the entire circumference. Two passes or welds shall be applied to 5/16-inch and thicker wall material.
- The inspection windows on blank casing sections shall be seal-welded to assure a leak-proof connection.

The following electrodes shall be utilized for various casing and screen materials.

Mild Steel	E-6011 or E-7018
Copper Bearing Steel	E-6011 or E-7018
Low Alloy Steel (ASTM A242 or equivalent)	E-7018
Stainless Steel (Type 304)	E-308L-16

Depending on wall thickness, the following electrode sizes shall apply:

<u>Wall Thickness</u>	<u>Electrode Size</u>
1/8-inch	1/8-inch
3/16- to 1/4-inch	5/32- to 3/16-inch
over 1/4-inch	3/16- to 1/4-inch

TESTING

Not applicable.

SUBMITTALS

The Contractor shall supply the OTR with an affidavit of compliance stating the casing, screen, pipe and cap comply with the applicable requirements of ASTM Standards. Contractor shall also submit qualifications and evidence of current certification of the welder(s).

MEASUREMENTS

For the purposes of payment, measurements of casing, screen, and pipes, shall be per linear foot.

PAYMENT

Full compensation for doing all work and furnishing all materials necessary to manufacture, deliver, and install well casing and screens as shown on the drawings and as specified shall be included in the unit price bid per linear foot for: 22-Inch-Inside-Diameter

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



Stainless Steel Blank Casing - Bid Item No. 8.1; 20-Inch-Nominal-Diameter Stainless Steel Wire-Wrapped Well Screen - Bid Item No. 8.2; 20-Inch-Nominal-Diameter Stainless Steel Blank Casing - Bid Item No. 8.3; 20-Inch-Nominal-Diameter Stainless Steel Cellar and Bullnose - Bid Item No. 8.4; 3-Inch-Inside-Diameter Stainless Steel Gravel Tube - Bid Item No. 8.5; 3-Inch-Inside Diameter Stainless Steel Sounding Tube - Bid Item No. 8.6; and 3-Inch-Inside Diameter Stainless Steel Access Pipe - Bid Item No. 8.7.

Curt Zimmerer

From: Andrew Uchida <andrew@uchidapipe.com>
Sent: Wednesday, November 14, 2018 8:26 AM
To: Curt Zimmerer
Subject: RE: Request for DBE quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.

We'll be no quoting since we do not offer much in stainless. Thanks Curt.

Andrew M. Uchida

Uchida Pipe
Tel: (424) 465-6058
Cell: (310) 365-3521

-----Original Message-----

From: Curt Zimmerer <curt@zimindustries.com>
Sent: Tuesday, November 13, 2018 12:11 PM
To: Andrew Uchida <andrew@uchidapipe.com>
Subject: Request for DBE quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.

Andrew,

Attached is the bid schedule and specs for a project bidding on 11-15-2018 in Monterey, CA. The attached PDF file contains a copy of the material specifications for the water well project bidding Thursday at the Monterey Peninsula Water Supply Project for the construction of fitch Park ASR Wells 5 and 6. Zim Industries, Inc. is looking for DBEs to provide materials and services on this project. As a DBE your company qualifies as a DBE supplier for this project. Please provide a quotation for the materials listed on the attached PDF file. The well casing on this project is specified Roscoe Moss or equivalent type 304 stainless steel blank and wire-wrap screen supplier, but the conductor is specified A-139, Grade B low carbon steel. In addition, please fill out the information on the Bidder's List of Subcontractors DBE form. Also, please fill out and sign the DBE Subcontractor Performance Form. Finally, please provide proof of DBE current certifications and current declarations. This information is needed no later than 5:00 PM tomorrow as this project bids on November 15, 2018 and has to be federal expressed tomorrow night. Thank you for your assistance and interest. This project requires the listing of WBE, MBE and other designated DBE suppliers. We are definitely going to utilize the most competitive qualified WBE, MBE and DBE supplier in our bid.

I look forward to receiving your quote, certifications and bid forms required by this project.

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551

Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

Curt Zimmerer

From: Curt Zimmerer
Sent: Tuesday, November 13, 2018 12:11 PM
To: Andrew Uchida
Subject: Request for DBE quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.
Attachments: 20181113113710962.pdf

Andrew,

Attached is the bid schedule and specs for a project bidding on 11-15-2018 in Monterey, CA. The attached PDF file contains a copy of the material specifications for the water well project bidding Thursday at the Monterey Peninsula Water Supply Project for the construction of Fitch Park ASR Wells 5 and 6. Zim Industries, Inc. is looking for DBEs to provide materials and services on this project. As a DBE your company qualifies as a DBE supplier for this project. Please provide a quotation for the materials listed on the attached PDF file. The well casing on this project is specified Roscoe Moss or equivalent type 304 stainless steel blank and wire-wrap screen supplier, but the conductor is specified A-139, Grade B low carbon steel. In addition, please fill out the information on the Bidder's List of Subcontractors DBE form. Also, please fill out and sign the DBE Subcontractor Performance Form. Finally, please provide proof of DBE current certifications and current declarations. This information is needed no later than 5:00 PM tomorrow as this project bids on November 15, 2018 and has to be federal expressed tomorrow night. Thank you for your assistance and interest. This project requires the listing of WBE, MBE and other designated DBE suppliers. We are definitely going to utilize the most competitive qualified WBE, MBE and DBE supplier in our bid.

I look forward to receiving your quote, certifications and bid forms required by this project.

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

BIDDER'S LIST

- Contractor is required to provide the following information for all DBE and non-DBE subcontractors, who provided a proposal, bid, quote, or were contacted by Contractor. This information must be submitted with Contractor's bid.

Prime Contractor: Zim Industries, Inc.
Project: Monterey Peninsula Water Supply Project
Construction of Fitch Park ASR Wells 5 and 6

Firm Name:	_____	Phone:	_____
Business Address:	_____	Fax:	_____
Email:	_____		
License No. and Classification:	_____	Years in Business:	_____
Contact Person:	_____		
Is the firm currently certified as a DBE? <input type="checkbox"/> No <input type="checkbox"/> Yes Cert. Number: _____			
Type of work/ services/ materials proposed by bidder:			

Amount of Bid/Quote: _____			
Date of Bid/Quote: _____			



***Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form***

This form is intended to capture the DBE¹ subcontractor's² description of work to be performed and the price of the work submitted to the prime contractor. A Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractor's bid or proposal package.

Subcontractor Name		Project Name	
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact	
Address			
Telephone No.		Email Address	
Prime Contractor Name		Issuing/Funding Entity	

Contract Item Number	Description of Work Submitted from the Prime Contractor Involving Construction, Services, Equipment or Supplies	Price of Work Submitted to the Prime Contractor
DBE Certified By: <input type="checkbox"/> DOT <input type="checkbox"/> SBA Other: _____		Meets/exceeds EPA certification standards? YES NO Unknown

¹ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

² Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.

EXHIBIT A

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	Date

Subcontractor Signature	Print Name
Title	Date

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.

FORM 4500-3 (DBE Subcontractor Performance Form)

**CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6**

BID SHEET for FITCH PARK ASR-5 AND ASR-6 CONSTRUCTION

BID ADDENDUM NO. 3

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
1	Mobilization	Lump Sum	Lump Sum	\$	\$	\$
2	Noise Control / Sound Barrier	Linear Feet	500	\$	\$	\$
3	36-Inch Diameter Carbon Steel Conductor Casing	Linear Feet	55	\$	\$	\$
4	Pilot Bore Drilling	Linear Feet	1065	\$	\$	\$
5	Geophysical Logging	Lump Sum	Lump Sum	\$	\$	\$
6	Pilot Bore Reaming	Linear Feet	1065	\$	\$	\$
7	Caliper Survey	Lump Sum	Lump Sum	\$	\$	\$
8.1	22-inch Diameter Stainless Steel Blank Casing	Linear Feet	760	\$	\$	\$
8.2	20-inch Diameter Stainless Steel Wire Wrapped Screen	Linear Feet	300	\$	\$	\$
8.3	20-inch Diameter Stainless Steel Blank Casing	Linear Feet	20	\$	\$	\$
8.4	20-inch Diameter Stainless Steel Cellar with Bullnose	Lump Sum	20	\$	\$	\$
8.5	3-inch Diameter Stainless Steel Gravel Tremie Pipe	Linear Feet	750	\$	\$	\$
8.6	3-inch Diameter Stainless Steel Sounding Pipe	Linear Feet	760	\$	\$	\$
8.7	3-inch Diameter Stainless Steel Casing Vent Pipe	Lump Sum	Lump Sum	\$	\$	\$
9	Gravel Pack	Linear Feet	390	\$	\$	\$
10	Cement Grout	Linear Feet	730	\$	\$	\$
11.1	Mechanical Development	Hours	85	\$	\$	\$
11.2	Pumping Development	Hours	100	\$	\$	\$
11.3	Additional Mechanical Development	Hours	XX Hours	\$	XXXX	XXXX
11.4	Additional Pumping Development	Hours	XX Hours	\$	XXXX	XXXX

CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
12	Production Testing	Hours	16	\$	\$	\$
13	Disinfection of Well	Lump Sum	Lump Sum	\$	\$	\$
14	Wellhead Completion and Installation of Pump/Motor and FCV Assembly	Lump Sum	Lump Sum	\$	\$	\$
14.A	Well Pump/Motor and FCV Assembly	Allowance	Allowance	\$300,000	\$300,000	\$600,000
14.B	Percent Markup Over Invoiced Cost for Well Pump/Motor and FCV Assembly	Percent	Percent	%	%	%
14.C	Markup Amount (amount entered in 14.A times percent entered in 14.B)	Lump Sum	Lump Sum	\$	\$	\$
15	Downhole Velocity Surveys	Lump Sum	Lump Sum	\$	\$	\$
16	Acceptance Video Surveys	Lump Sum	Lump Sum	\$	\$	\$
17	Plumbness and Alignment	Lump Sum	Lump Sum	\$	\$	\$
18	Standby Time	Hours	XX Hours	\$	XXXX	XXXX
19	Site Cleanup	Lump Sum	Lump Sum	\$	\$	\$
20	Fluid and Cuttings Containment and Disposal	Lump Sum	Lump Sum	\$	\$	\$
21	Temporary Discharge Pipeline	Lump Sum	Lump Sum	\$	XXXX	\$
22	Traffic Control Plan	Lump Sum	Lump Sum	\$	\$	\$
23	Connect pipe extension & valves to Temporary Water Supply, and construction water consumption	Allowance	Allowance	\$	\$10,000	\$20,000
24	Temporary 7' height Perimeter Site Security, Chain Link Fencing & Double Leaf Gates, lockable	Lump Sum	Lump Sum	\$	\$	\$
25	Community Outreach Plan & Attend Meetings	Allowance	Allowance	\$	\$3000	\$6000
26	Prepare & implement BMP's and Storm Water Pollution Prevention Plan (SWPPP)	Lump Sum	Lump Sum	\$	\$	\$
Total Amount Bid:					\$	\$

CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
Total In Words:						

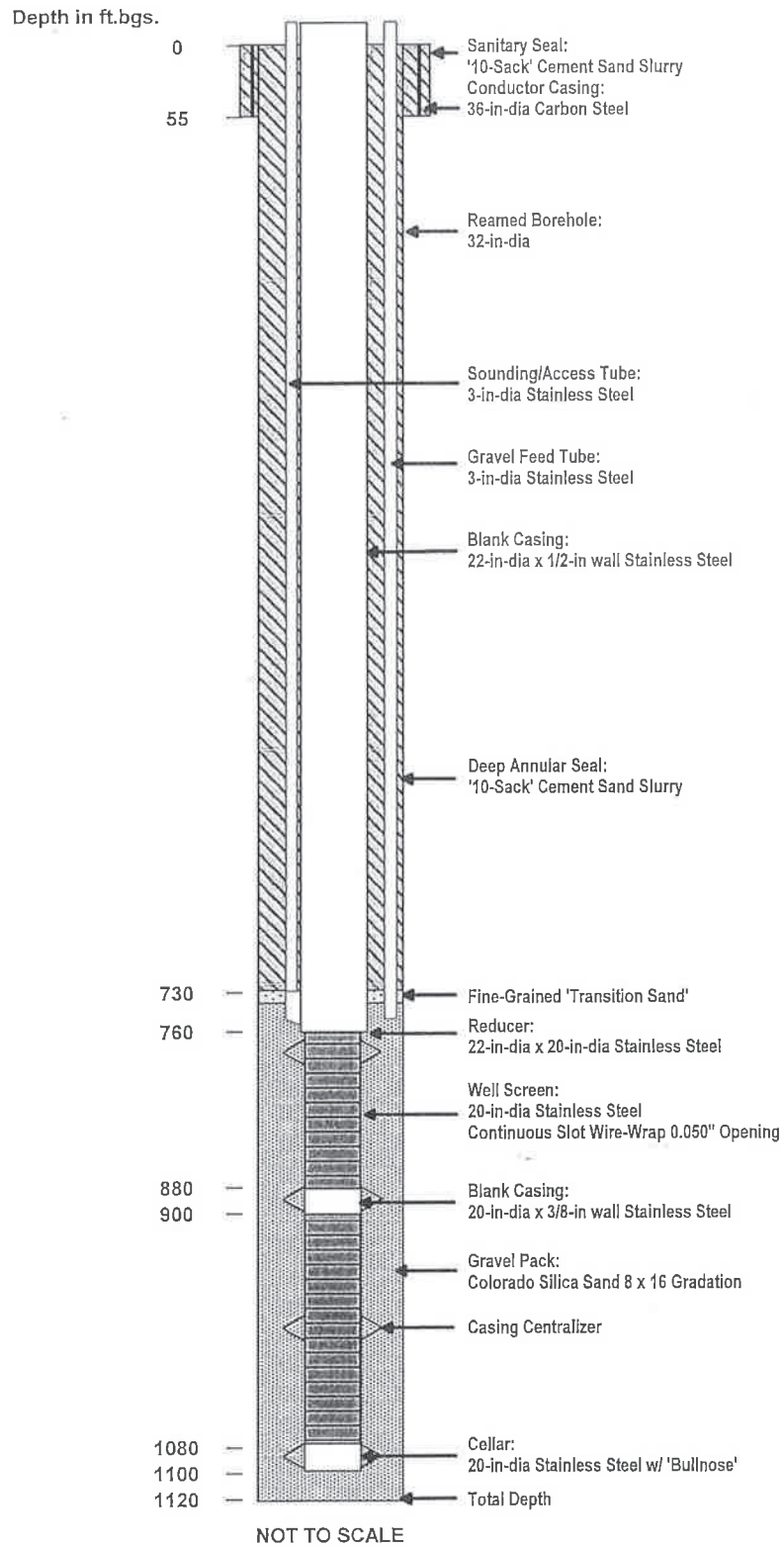


FIGURE 3. PRELIMINARY WELL DESIGN SCHEMATIC
 Fitch Park ASR-5 and ASR-6 Project
 California American Water



The drill rig utilized must have the ability to fully lift and land the anticipated casing loads without the use of float plugs or other similar methods. All drill pipe must utilize threaded flush or upset tool joints, or equal, as approved by the Owner's Technical Representative (OTR).

SECTION 105 - CONSTRUCTION SCHEDULE

Construction activities are anticipated to start in **4th Quarter 2018** following approval of the project.

Drilling efficiency and rapid advance rates both for the pilot hole and reamed borehole are critical to the successful completion of hydraulically efficient wells. Accordingly, the Contractor shall conduct construction operations on a 24-hour per day, 7-day per week basis, and without significant delays, starting with the commencement of pilot hole drilling (after setting the surface conductor casing) and continuing until the initial mechanical development of the well (airlift swabbing) is completed. Work must begin within thirty (30) consecutive calendar days of notice to proceed and all work must be completed within one hundred eighty (180) calendar days from the commencement of work activities.

A construction schedule must be submitted with the bid in order for the bid to be considered responsive.

SECTION 106 - OVERVIEW OF WORK TO BE DONE

SECTION 106.1 - REQUIREMENTS OF WORK

Work includes the furnishing of all materials, labor, equipment, fuel, tools, transportation, and services for drilling, construction, development, testing, and completion of the well as described in these specifications.

While the final design of the wells may change, the general work required applicable to **each** of the project wells include:

- 1) The Contractor shall obtain the necessary well drilling permits from the County of Monterey Environmental Health Department.
- 2) Move equipment on (and off) of the site.
- 3) Furnish and install a temporary sound barrier. The sound barrier shall be a minimum 24 feet high, approximately 500 lineal feet, with minimum sound transmission class (STC) rating of 25.
- 4) Drill and install a 36-inch outside diameter, steel conductor (surface) casing to a total depth of 55 feet, below ground surface (bgs). The borehole for the conductor casing shall have a minimum diameter of 46 inches. Place a cement-grout annular seal in the space between the conductor casing and the borehole wall, from the bottom of the conductor casing to the ground surface.
- 5) Drill a pilot borehole to a total depth of 1,120 feet bgs (total footage of 1,065 feet, starting at the base of the conductor casing of 55 feet, bgs). Pilot borehole shall have

ATTACHMENT C



- a maximum diameter of 18 inches. Collect drill cuttings, and maintain a detailed pipe tally, drilling time log, drilling fluid log, and drill cuttings log.
- 6) Provide for, and assist with, a geophysical borehole log of the pilot bore using spontaneous potential (SP), resistivity, and natural gamma surveys of the pilot hole.
 - 7) Ream pilot bore to a diameter of 32 inches to a total depth of 1,120 feet (total ream footage of 1,065 feet).
 - 8) Install well casing and screen, in accordance with the following schedule: 1) 760 feet of 22-inch diameter, stainless steel (Type 304) blank casing; 2) 300 feet of 20-inch diameter, stainless steel (Type 304) wire-wrapped well screen; 3) 20 feet of 20-inch diameter, stainless steel (Type 304) blank casing (20-ft separation between two screened sections) and 4) 20 feet of 20-inch diameter, stainless steel (Type 304) blank cellar pipe with a bullnose.
 - 9) Install 3-inch diameter, stainless steel (Type 304) gravel feed and sounding tubes to depths of approximately 750 feet bgs and 760 feet bgs, respectively.
 - 10) Install gravel pack from the bottom of the reamed hole up to a depth of approximately 735 feet below ground surface.
 - 11) Place approximately 5 feet of 'transition' sand above the top of the gravel pack.
 - 12) Place approximately 730 feet of cement grout sanitary seal.
 - 13) Develop the well by air-lifting/swabbing and pumping.
 - 14) Provide and install temporary discharge piping for conveying water produced during development and test pumping to a surface spreading location.
 - 15) Install and remove test pump for final development and well performance aquifer testing.
 - 16) Provide for, and assist with, conducting velocity (spinner) survey during step production testing.
 - 17) Provide for, and assist with, conducting an alignment survey of the completed well.
 - 18) Provide for, and assist with, conducting an acceptance video survey of the completed well.
 - 19) Disinfect the well.
 - 20) Provide wellhead completion, pump foundation and permanent pump assembly.
 - 21) Provide temporary discharge piping and energy dissipater(s) for development and test pumping discharges.
 - 22) Clean up the sites.
 - 23) Contain and legally dispose drilling fluids and cuttings offsite.
 - 24) Fulfill all well drilling permit requirements, including the preparation and filing of a Department of Water Resources Well Completion Report.



The tentative casing schedules for the FP ASR-5 and ASR-6 wells is as follows:

Interval (depth in ft below ground surface)	Material
0 to 760	22-inch diameter, ½-inch wall thickness, TYPE 304 STAINLESS STEEL blank casing
760 to 880	20-inch diameter, TYPE 304 STAINLESS STEEL wire-wrapped well screen, with 0.050-inch slots
880 to 900	20-inch diameter, 3/8 wall thickness, TYPE 304 STAINLESS STEEL blank casing
900 to 1080	20-inch diameter, TYPE 304 STAINLESS STEEL wire-wrapped well screen, with 0.050-inch slots
1080 to 1100	20-inch diameter, 3/8 wall thickness, TYPE 304 STAINLESS STEEL blank cellar with bullnose

A depiction of the proposed FP ASR-5 and ASR-6 wells is presented on **Figure 3**. The Contractor is advised that the proposed design of the wells presented above is based on information available at the time of development of these specifications. Although no significant changes are anticipated, the final designs of the wells may be altered based on the conditions at the site as determined through the pilot hole drilling and the new geophysical surveys.

SECTION 107 - OTHER WORK REQUIRED

In addition to the work described in Section 106, the Contractor will be responsible for other work that will be required during the construction of the well.

The Contractor shall contact Underground Services Alert (USA) at least 3 days prior to any drilling or excavation at the site.

The Contractor shall prepare the site in a manner as to provide adequate work space, safe working conditions, site ingress/egress and sufficient containment and storage of drilling cuttings and fluids. The Contractor shall also implement, install, and maintain Best Management Practices (BMPs) for the control of nuisance water and storm water. The BMPs shall be adequate to prevent erosion and runoff of sediment laden water from the work site. During construction, washing of concrete trucks, equipment, or similar activities shall occur only in areas where wash water can be contained on site.

The Fitch Park ASR sites contain numerous trees and shrubs that may need to be removed or trimmed in order to provide sufficient unobstructed space for equipment and materials. Prior to Contractor mobilization, OWNER will retain an arborist to trim or remove trees and/or shrubs, and to identify which plant species require protection during project activities. If required, OWNER will install protective fencing around sensitive plants or trees. It shall be the Contractor's responsibility to avoid protected areas and maintain the protective fencing during the course of the project.



SECTION 203 - CONDUCTOR (SURFACE) CASING

203 - CONDUCTOR (SURFACE) CASING, BID ITEM NO. 3

SCOPE

The Contractor shall furnish all equipment, material, and work necessary to install the surface conductor casing as shown on the Drawings and specified herein. Prior to drilling of the pilot hole, the Contractor shall bore a 42-inch-minimum-diameter hole from ground surface to a depth of 55 feet bgs, or as directed by the OTR, in which a surface conductor casing shall be installed.

MATERIALS

The conductor casing shall be a minimum 36 inches outside-diameter steel pipe having a wall thickness of not less than 0.375-inch (3/8-inch) and a below ground length of not less than 55 feet. Conductor casing shall be manufactured in accordance with ASTM Designation A-139, Grade B, without copper. All joints in the conductor casing shall be securely welded and shall be watertight.

Cement grout shall be composed of not more than 3 cubic feet of sand and 1 cubic foot (one sack) of Portland cement to 5 to 7 gallons (0.67 to 0.90 cubic feet) of clean water. This is typically considered to be a 10-sack Portland cement sand slurry mix when ordered from batching plants. Bentonite, to make the mix more fluid and reduce shrinkage, may be used to a total of 5 percent (5%) of the volume of the cement. If 5 percent bentonite is used, water content can be increased to 8.2 gallons per sack of cement.

PLACEMENT

Prior to drilling the conductor casing holes, the Contractor shall pothole the hole locations prior to installation to ensure no underground utilities will be impacted. During placement of the conductor casing, field joints shall be either collared or plain-end, and welded together. Centering guides shall be welded to the conductor casing with a minimum of two sets of guides (one near the bottom and one near the top). Each set will consist of three guides equally spaced circumferentially.

After the conductor casing has been installed, cement grout shall then be injected in the annular space between the inner casing and the borehole from bottom to top by means of a tremie pipe. Cement grout material shall be placed by the positive displacement pumping method in one continuous operation. Upon completion of cementing, concrete shall be visible above the surface of the ground outside the conductor casing. After cementing operations are completed, the concrete shall be left undisturbed for a period of not less than 12 hours before drilling is resumed.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



MEASUREMENT AND PAYMENT

Full compensation for doing all work and furnishing all materials necessary to manufacture, deliver, and install the 36-inch surface conductor casing as specified shall be included in the unit bid price per linear foot for "Conductor (Surface) Casing" - Bid Item No. 3.



SECTION 208 - WELL CASINGS AND SCREENS

208 - WELL CASINGS AND SCREENS - BID ITEM NOS. 8.1 THROUGH 8.7SCOPE

The Contractor shall furnish all materials and work necessary to manufacture, deliver, and install well casing, reducers, screens, cellar pipes and caps, tremie pipes and sounding pipes as shown on the drawings and in accordance with these Specifications.

Quantity (Linear Feet)	Item	Bid Item No.
760	22-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CASING	8.1
300	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL WIRE-WRAP WELL SCREEN, 0.050-INCH SLOTS	8.2
20	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CASING	8.3
20	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CELLAR WITH BULLNOSE	8.4
750	3-INCH-DIAMETER, STAINLESS STEEL PERMANENT GRAVEL TUBE	8.5
760	3-INCH-DIAMETER, STAINLESS STEEL PERMANENT SOUNDING TUBE	8.6
3	3-INCH-DIAMETER, TYPE 304 STAINLESS STEEL CASING VENT PIPE	8.7

MATERIALS

22-Inch-Inside-Diameter Stainless Steel Blank Well Casing. The 22-inch diameter blank casing shall be of TYPE 304 stainless steel construction, in accordance with ASTM A-312 or A-778, with minimum 0.5-inch (1/2-inch) wall thickness.

20-Inch-Nominal-Diameter Stainless Steel Wire Wrapped Well Screen. Well screen shall be 20-inch-nominal-diameter stainless steel, TYPE 304. Screen opening width shall be 0.050-inch. The well screen shall be of the continuous slot, welded, wire-wrapped design, and of construction to provide sufficient tensile and collapse strength. Vertical rods shall be 0.25-inch diameter and consist of 84 rods circumferentially (minimum). For the No. 50 slot screen (0.050-inch), the minimum open area requirement is 155 square inches per linear foot. The tolerance for the final slot size selected shall be ± 0.005 inches. It is the Contractor's sole



responsibility to ensure the well screen has sufficient tensile and collapse strength to be assembled, landed, and installed without damage to casing, screen, or borehole.

20-Inch-Nominal-Diameter Stainless Steel Blank Well Casing. The 20-inch diameter blank casing shall be of TYPE 304 stainless steel construction, in accordance with ASTM A-312 or A-778, with minimum 0.375-inch (3/8-inch) wall thickness.

20-Inch-Nominal Diameter Stainless Steel Cellar Pipe and Cap. The stainless steel cellar pipe shall be 20-inch-nominal-diameter in size and 20 feet in length, and manufactured of TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778. The wall thickness shall be minimum 0.375-inches (3/8-inches). The bottom of the well casing shall be fitted with a bullnose plug welded in place.

3-Inch-Inside-Diameter Stainless Steel Gravel Feed Tube. A permanent gravel tremie pipe shall be installed. The tremie pipe will be manufactured of TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778, and extend to a depth of approximately 750 feet bgs, as shown on Figure 3.

3-Inch-Inside-Diameter Stainless Steel Sounding Tube. The sounding tube shall consist of 3-inch-inside-diameter, TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778 and extend to a depth of approximately 760 feet bgs, as shown on Figure 3.

3-Inch-Inside-Diameter Stainless Steel Chlorination Access Pipe. A permanent access pipe shall be installed. The access pipe will be constructed of 3-inch-inside-diameter, TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778.

Upon completion of reaming the pilot bore, the Contractor shall install the well screen and casing at intervals as determined by the OTR. The proposed well design is shown on Figure 3. The final design will be established upon review of the pilot hole geophysical log.

The casing and screen shall be plumb and shall be centered in the hole. All field joints shall be properly lapwelded during installation with a minimum of two passes per circumference. Centralizers with 120-degree spacing, attached directly to the casing and screen by welding at intervals of not more than 60 feet within the screened casing and at intervals of not more than 80 feet within the blank casing shall be provided in order to center and hold the casing in the proper position until the gravel is in place. The centralizers shall be of the same material used in each casing or screen interval. Casing centralizers shall be placed up to a depth of approximately 80 feet below ground surface.

The casing shall be suspended in tension from the surface by means of an appropriate hanger or clamp. The bottom of the casing shall be at a sufficient distance above the bottom of the reamed hole to ensure that none of the casing will be supported from the bottom of the hole. The use of float plugs to land and set casing will not be permitted.



A construction tremie pipe will be installed to place the gravel pack and the cement grout in the annulus. Prior to final gravel packing operations, the permanent gravel tremie pipe will be installed. The remainder of the gravel will then be installed. The top of the permanent tremie pipe will extend a minimum of 20 inches above ground surface and be equipped with a screw-on cap. The gravel tube shall not be 'topped off' with gravel, but shall be left empty. The Contractor shall ensure that the permanent gravel tube is maintained free and clear through cementing operations by continuously running clear water through the permanent gravel tube during gravel packing and cementing operations.

A permanent sounding pipe will be connected to the casing at the approximate location shown on **Figure 3** and will be lowered simultaneously with the emplacement of the casing. The sounding pipe will be provided with a minimum 6-foot-long reinforced connection (entry box) to the steel casing, as shown on **Figure 4**. The bottom of the entry box shall be between 12 and 24 inches from the bottom of the blank casing joint to which it is attached. The inside joined surfaces of the entry box and casing shall be filled and ground smooth to the satisfaction of the OTR so as to not damage downhole wirelines and associated tools (e.g., video cameras, spinner tools, etc.). Ground surface orientation of the gravel and sounding tubes shall be 90 degrees apart as shown on **Figure 5**. The top of the sounding pipe shall be terminated as shown on **Figure 5**.

A permanent casing vent pipe will be connected to the casing as shown on **Figure 5**.

The top of the casing will be provided with a welded cap at all times when personnel are not on the site.

All casing material shall be new.

If, for any reason, the casing cannot be landed in the correct position or at a depth acceptable to the OTR, or any of the casings should collapse prior to well completion, the Contractor shall construct another well immediately adjacent to the original location and complete this well in accordance with the specifications at no additional cost to OWNER. The abandoned hole shall be sealed in accordance with directions from OWNER and in accordance with any laws pertaining to proper well abandonment.

All work required to be repeated and all additional materials, labor, and equipment required, shall be furnished at the expense of the Contractor and no claim for additional compensation shall be made or be allowed, except as specifically provided herein.

All field welding shall be performed in accordance with American Welding Society Standards by a certified welder.

The following field welding procedures shall apply:

- A length shall be lowered into the well with the collar facing upward.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



- The plain end of the following length shall be inserted in the collar. True contact of the two joints must be verified by observation through the inspection windows.
- Spot welds shall be placed through the three windows in order to hold the contact position.
- A fillet type weld shall be made covering the top edge of the collar continuously for the entire circumference. Two passes or welds shall be applied to 5/16-inch and thicker wall material.
- The inspection windows on blank casing sections shall be seal-welded to assure a leak-proof connection.

The following electrodes shall be utilized for various casing and screen materials.

Mild Steel	E-6011 or E-7018
Copper Bearing Steel	E-6011 or E-7018
Low Alloy Steel (ASTM A242 or equivalent)	E-7018
Stainless Steel (Type 304)	E-308L-16

Depending on wall thickness, the following electrode sizes shall apply:

<u>Wall Thickness</u>	<u>Electrode Size</u>
1/8-inch	1/8-inch
3/16- to 1/4-inch	5/32- to 3/16-inch
over 1/4-inch	3/16- to 1/4-inch

TESTING

Not applicable.

SUBMITTALS

The Contractor shall supply the OTR with an affidavit of compliance stating the casing, screen, pipe and cap comply with the applicable requirements of ASTM Standards. Contractor shall also submit qualifications and evidence of current certification of the welder(s).

MEASUREMENTS

For the purposes of payment, measurements of casing, screen, and pipes, shall be per linear foot.

PAYMENT

Full compensation for doing all work and furnishing all materials necessary to manufacture, deliver, and install well casing and screens as shown on the drawings and as specified shall be included in the unit price bid per linear foot for: 22-Inch-Inside-Diameter

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



Stainless Steel Blank Casing - Bid Item No. 8.1; 20-Inch-Nominal-Diameter Stainless Steel Wire-Wrapped Well Screen - Bid Item No. 8.2; 20-Inch-Nominal-Diameter Stainless Steel Blank Casing - Bid Item No. 8.3; 20-Inch-Nominal-Diameter Stainless Steel Cellar and Bullnose - Bid Item No. 8.4; 3-Inch-Inside-Diameter Stainless Steel Gravel Tube - Bid Item No. 8.5; 3-Inch-Inside Diameter Stainless Steel Sounding Tube - Bid Item No. 8.6; and 3-Inch-Inside Diameter Stainless Steel Access Pipe - Bid Item No. 8.7.

Curt Zimmerer

From: Curt Zimmerer
Sent: Tuesday, November 13, 2018 12:12 PM
To: jon@sangerpumps.com; beth@sangerpumps.com
Subject: Request for DBE quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.
Attachments: 20181113113710962.pdf

Jon / Beth,

Attached is the bid schedule and specs for a project bidding on 11-15-2018 in Monterey, CA. The attached PDF file contains a copy of the material specifications for the water well project bidding Thursday at the Monterey Peninsula Water Supply Project for the construction of Fitch Park ASR Wells 5 and 6. Zim Industries, Inc. is looking for DBEs to provide materials and services on this project. As a DBE your company qualifies as a DBE supplier for this project. Please provide a quotation for the materials listed on the attached PDF file. The well casing on this project is specified Roscoe Moss or equivalent type 304 stainless steel blank and wire-wrap screen supplier, but the conductor is specified A-139, Grade B low carbon steel. In addition, please fill out the information on the Bidder's List of Subcontractors DBE form. Also, please fill out and sign the DBE Subcontractor Performance Form. Finally, please provide proof of DBE current certifications and current declarations. This information is needed no later than 5:00 PM tomorrow as this project bids on November 15, 2018 and has to be federal expressed tomorrow night. Thank you for your assistance and interest. This project requires the listing of WBE, MBE and other designated DBE suppliers. We are definitely going to utilize the most competitive qualified WBE, MBE and DBE supplier in our bid.

I look forward to receiving your quote, certifications and bid forms required by this project.

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

BIDDER'S LIST

- Contractor is required to provide the following information for all DBE and non-DBE subcontractors, who provided a proposal, bid, quote, or were contacted by Contractor. This information must be submitted with Contractor's bid.

Prime Contractor: Zim Industries, Inc.
Project: Monterey Peninsula Water Supply Project
Construction of Fitch Park ASR Wells 5 and 6

Firm Name:	_____	Phone:	_____
Business Address:	_____	Fax:	_____
Email:	_____		
License No. and Classification:	_____	Years in Business:	_____
Contact Person:	_____		
Is the firm currently certified as a DBE? <input type="checkbox"/> No <input type="checkbox"/> Yes Cert. Number: _____			
Type of work/ services/ materials proposed by bidder:			

Amount of Bid/Quote: _____			
Date of Bid/Quote: _____			



**Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form**

This form is intended to capture the DBE¹ subcontractor's² description of work to be performed and the price of the work submitted to the prime contractor. A Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractor's bid or proposal package.

Subcontractor Name		Project Name	
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact	
Address			
Telephone No.		Email Address	
Prime Contractor Name		Issuing/Funding Entity	

Contract Item Number	Description of Work Submitted from the Prime Contractor Involving Construction, Services, Equipment or Supplies	Price of Work Submitted to the Prime Contractor
DBE Certified By: <input type="checkbox"/> DOT <input type="checkbox"/> SBA Other: _____		Meets/exceeds EPA certification standards? YES NO Unknown

¹ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

² Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.

EXHIBIT A

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	Date

Subcontractor Signature	Print Name
Title	Date

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.

FORM 4500-3 (DBE Subcontractor Performance Form)

**CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6**

BID SHEET for FITCH PARK ASR-5 AND ASR-6 CONSTRUCTION

BID ADDENDUM NO. 3

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
1	Mobilization	Lump Sum	Lump Sum	\$	\$	\$
2	Noise Control / Sound Barrier	Linear Feet	500	\$	\$	\$
3	36-Inch Diameter Carbon Steel Conductor Casing	Linear Feet	55	\$	\$	\$
4	Pilot Bore Drilling	Linear Feet	1065	\$	\$	\$
5	Geophysical Logging	Lump Sum	Lump Sum	\$	\$	\$
6	Pilot Bore Reaming	Linear Feet	1065	\$	\$	\$
7	Caliper Survey	Lump Sum	Lump Sum	\$	\$	\$
8.1	22-inch Diameter Stainless Steel Blank Casing	Linear Feet	760	\$	\$	\$
8.2	20-inch Diameter Stainless Steel Wire Wrapped Screen	Linear Feet	300	\$	\$	\$
8.3	20-inch Diameter Stainless Steel Blank Casing	Linear Feet	20	\$	\$	\$
8.4	20-inch Diameter Stainless Steel Cellar with Bullnose	Lump Sum	20	\$	\$	\$
8.5	3-inch Diameter Stainless Steel Gravel Tremie Pipe	Linear Feet	750	\$	\$	\$
8.6	3-inch Diameter Stainless Steel Sounding Pipe	Linear Feet	760	\$	\$	\$
8.7	3-inch Diameter Stainless Steel Casing Vent Pipe	Lump Sum	Lump Sum	\$	\$	\$
9	Gravel Pack	Linear Feet	390	\$	\$	\$
10	Cement Grout	Linear Feet	730	\$	\$	\$
11.1	Mechanical Development	Hours	85	\$	\$	\$
11.2	Pumping Development	Hours	100	\$	\$	\$
11.3	Additional Mechanical Development	Hours	XX Hours	\$	XXXX	XXXX
11.4	Additional Pumping Development	Hours	XX Hours	\$	XXXX	XXXX

**CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6**

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
12	Production Testing	Hours	16	\$	\$	\$
13	Disinfection of Well	Lump Sum	Lump Sum	\$	\$	\$
14	Wellhead Completion and Installation of Pump/Motor and FCV Assembly	Lump Sum	Lump Sum	\$	\$	\$
14.A	Well Pump/Motor and FCV Assembly	Allowance	Allowance	\$300,000	\$300,000	\$600,000
14.B	Percent Markup Over Invoiced Cost for Well Pump/Motor and FCV Assembly	Percent	Percent	%	%	%
14.C	Markup Amount (amount entered in 14.A times percent entered in 14.B)	Lump Sum	Lump Sum	\$	\$	\$
15	Downhole Velocity Surveys	Lump Sum	Lump Sum	\$	\$	\$
16	Acceptance Video Surveys	Lump Sum	Lump Sum	\$	\$	\$
17	Plumbness and Alignment	Lump Sum	Lump Sum	\$	\$	\$
18	Standby Time	Hours	XX Hours	\$	XXXX	XXXX
19	Site Cleanup	Lump Sum	Lump Sum	\$	\$	\$
20	Fluid and Cuttings Containment and Disposal	Lump Sum	Lump Sum	\$	\$	\$
21	Temporary Discharge Pipeline	Lump Sum	Lump Sum	\$	XXXX	\$
22	Traffic Control Plan	Lump Sum	Lump Sum	\$	\$	\$
23	Connect pipe extension & valves to Temporary Water Supply, and construction water consumption	Allowance	Allowance	\$	\$10,000	\$20,000
24	Temporary 7' height Perimeter Site Security, Chain Link Fencing & Double Leaf Gates, lockable	Lump Sum	Lump Sum	\$	\$	\$
25	Community Outreach Plan & Attend Meetings	Allowance	Allowance	\$	\$3000	\$6000
26	Prepare & implement BMP's and Storm Water Pollution Prevention Plan (SWPPP)	Lump Sum	Lump Sum	\$	\$	\$
Total Amount Bid:					\$	\$

CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
Total In Words:						

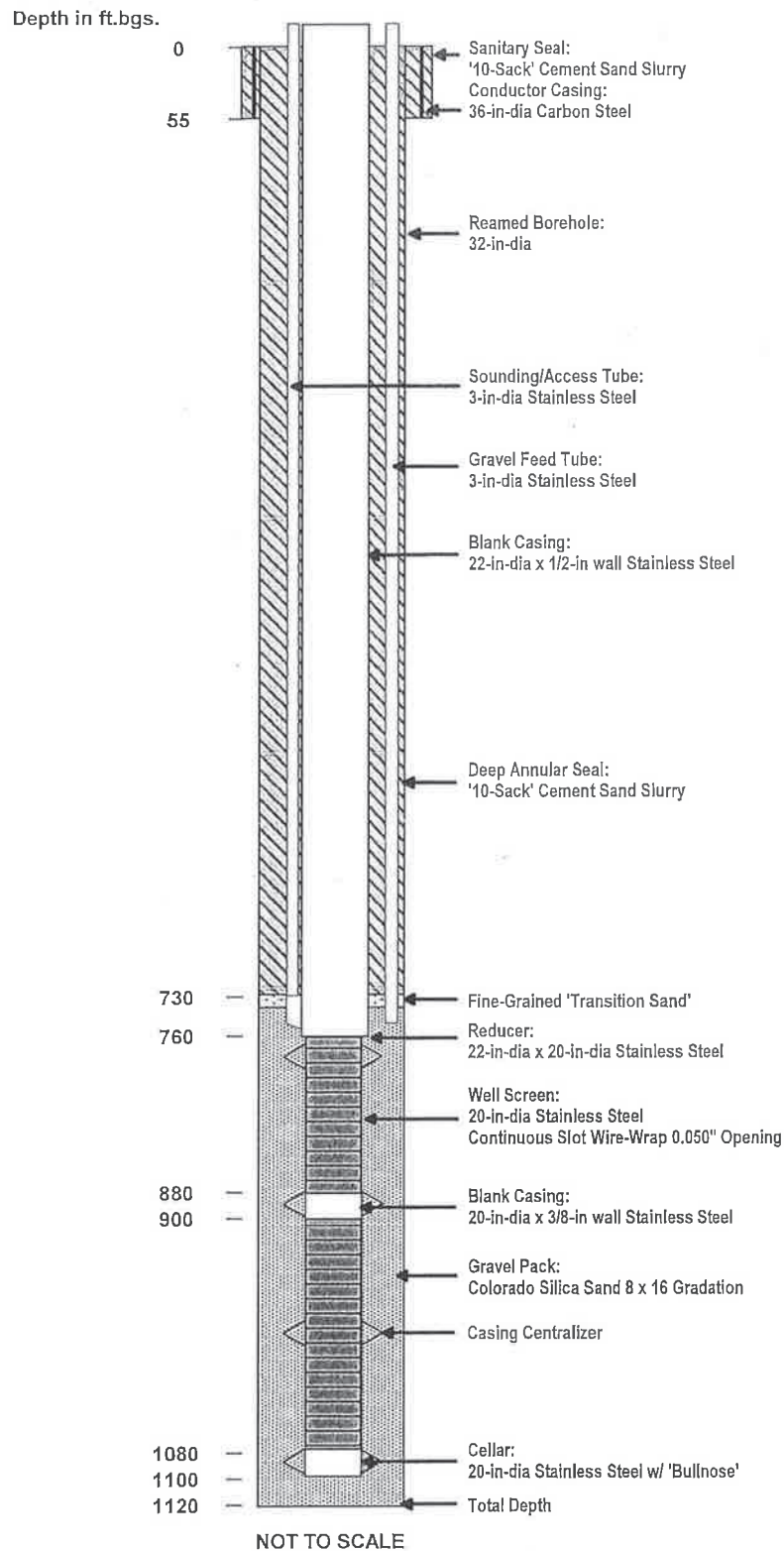


FIGURE 3. PRELIMINARY WELL DESIGN SCHEMATIC
 Fitch Park ASR-5 and ASR-6 Project
 California American Water



The drill rig utilized must have the ability to fully lift and land the anticipated casing loads without the use of float plugs or other similar methods. All drill pipe must utilize threaded flush or upset tool joints, or equal, as approved by the Owner's Technical Representative (OTR).

SECTION 105 - CONSTRUCTION SCHEDULE

Construction activities are anticipated to start in **4th Quarter 2018** following approval of the project.

Drilling efficiency and rapid advance rates both for the pilot hole and reamed borehole are critical to the successful completion of hydraulically efficient wells. Accordingly, the Contractor shall conduct construction operations on a 24-hour per day, 7-day per week basis, and without significant delays, starting with the commencement of pilot hole drilling (after setting the surface conductor casing) and continuing until the initial mechanical development of the well (airlift swabbing) is completed. Work must begin within thirty (30) consecutive calendar days of notice to proceed and all work must be completed within one hundred eighty (180) calendar days from the commencement of work activities.

A construction schedule must be submitted with the bid in order for the bid to be considered responsive.

SECTION 106 - OVERVIEW OF WORK TO BE DONE

SECTION 106.1 - REQUIREMENTS OF WORK

Work includes the furnishing of all materials, labor, equipment, fuel, tools, transportation, and services for drilling, construction, development, testing, and completion of the well as described in these specifications.

While the final design of the wells may change, the general work required applicable to **each** of the project wells include:

- 1) The Contractor shall obtain the necessary well drilling permits from the County of Monterey Environmental Health Department.
- 2) Move equipment on (and off) of the site.
- 3) Furnish and install a temporary sound barrier. The sound barrier shall be a minimum 24 feet high, approximately 500 lineal feet, with minimum sound transmission class (STC) rating of 25.
- 4) Drill and install a 36-inch outside diameter, steel conductor (surface) casing to a total depth of 55 feet, below ground surface (bgs). The borehole for the conductor casing shall have a minimum diameter of 46 inches. Place a cement-grout annular seal in the space between the conductor casing and the borehole wall, from the bottom of the conductor casing to the ground surface.
- 5) Drill a pilot borehole to a total depth of 1,120 feet bgs (total footage of 1,065 feet, starting at the base of the conductor casing of 55 feet, bgs). Pilot borehole shall have

ATTACHMENT C



- a maximum diameter of 18 inches. Collect drill cuttings, and maintain a detailed pipe tally, drilling time log, drilling fluid log, and drill cuttings log.
- 6) Provide for, and assist with, a geophysical borehole log of the pilot bore using spontaneous potential (SP), resistivity, and natural gamma surveys of the pilot hole.
 - 7) Ream pilot bore to a diameter of 32 inches to a total depth of 1,120 feet (total ream footage of 1,065 feet).
 - 8) Install well casing and screen, in accordance with the following schedule: 1) 760 feet of 22-inch diameter, stainless steel (Type 304) blank casing; 2) 300 feet of 20-inch diameter, stainless steel (Type 304) wire-wrapped well screen; 3) 20 feet of 20-inch diameter, stainless steel (Type 304) blank casing (20-ft separation between two screened sections) and 4) 20 feet of 20-inch diameter, stainless steel (Type 304) blank cellar pipe with a bullnose.
 - 9) Install 3-inch diameter, stainless steel (Type 304) gravel feed and sounding tubes to depths of approximately 750 feet bgs and 760 feet bgs, respectively.
 - 10) Install gravel pack from the bottom of the reamed hole up to a depth of approximately 735 feet below ground surface.
 - 11) Place approximately 5 feet of 'transition' sand above the top of the gravel pack.
 - 12) Place approximately 730 feet of cement grout sanitary seal.
 - 13) Develop the well by air-lifting/swabbing and pumping.
 - 14) Provide and install temporary discharge piping for conveying water produced during development and test pumping to a surface spreading location.
 - 15) Install and remove test pump for final development and well performance aquifer testing.
 - 16) Provide for, and assist with, conducting velocity (spinner) survey during step production testing.
 - 17) Provide for, and assist with, conducting an alignment survey of the completed well.
 - 18) Provide for, and assist with, conducting an acceptance video survey of the completed well.
 - 19) Disinfect the well.
 - 20) Provide wellhead completion, pump foundation and permanent pump assembly.
 - 21) Provide temporary discharge piping and energy dissipater(s) for development and test pumping discharges.
 - 22) Clean up the sites.
 - 23) Contain and legally dispose drilling fluids and cuttings offsite.
 - 24) Fulfill all well drilling permit requirements, including the preparation and filing of a Department of Water Resources Well Completion Report.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells -- Technical Specifications
May 2017



The tentative casing schedules for the FP ASR-5 and ASR-6 wells is as follows:

Interval (depth in ft below ground surface)	Material
0 to 760	22-inch diameter, 1/2-inch wall thickness, TYPE 304 STAINLESS STEEL blank casing
760 to 880	20-inch diameter, TYPE 304 STAINLESS STEEL wire-wrapped well screen, with 0.050-inch slots
880 to 900	20-inch diameter, 3/8 wall thickness, TYPE 304 STAINLESS STEEL blank casing
900 to 1080	20-inch diameter, TYPE 304 STAINLESS STEEL wire-wrapped well screen, with 0.050-inch slots
1080 to 1100	20-inch diameter, 3/8 wall thickness, TYPE 304 STAINLESS STEEL blank cellar with bullnose

A depiction of the proposed FP ASR-5 and ASR-6 wells is presented on **Figure 3**. The Contractor is advised that the proposed design of the wells presented above is based on information available at the time of development of these specifications. Although no significant changes are anticipated, the final designs of the wells may be altered based on the conditions at the site as determined through the pilot hole drilling and the new geophysical surveys.

SECTION 107 - OTHER WORK REQUIRED

In addition to the work described in Section 106, the Contractor will be responsible for other work that will be required during the construction of the well.

The Contractor shall contact Underground Services Alert (USA) at least 3 days prior to any drilling or excavation at the site.

The Contractor shall prepare the site in a manner as to provide adequate work space, safe working conditions, site ingress/egress and sufficient containment and storage of drilling cuttings and fluids. The Contractor shall also implement, install, and maintain Best Management Practices (BMPs) for the control of nuisance water and storm water. The BMPs shall be adequate to prevent erosion and runoff of sediment laden water from the work site. During construction, washing of concrete trucks, equipment, or similar activities shall occur only in areas where wash water can be contained on site.

The Fitch Park ASR sites contain numerous trees and shrubs that may need to be removed or trimmed in order to provide sufficient unobstructed space for equipment and materials. Prior to Contractor mobilization, OWNER will retain an arborist to trim or remove trees and/or shrubs, and to identify which plant species require protection during project activities. If required, OWNER will install protective fencing around sensitive plants or trees. It shall be the Contractor's responsibility to avoid protected areas and maintain the protective fencing during the course of the project.



SECTION 203 - CONDUCTOR (SURFACE) CASING

203 - CONDUCTOR (SURFACE) CASING, BID ITEM NO. 3

SCOPE

The Contractor shall furnish all equipment, material, and work necessary to install the surface conductor casing as shown on the Drawings and specified herein. Prior to drilling of the pilot hole, the Contractor shall bore a 42-inch-minimum-diameter hole from ground surface to a depth of 55 feet bgs, or as directed by the OTR, in which a surface conductor casing shall be installed.

MATERIALS

The conductor casing shall be a minimum 36 inches outside-diameter steel pipe having a wall thickness of not less than 0.375-inch (3/8-inch) and a below ground length of not less than 55 feet. Conductor casing shall be manufactured in accordance with ASTM Designation A-139, Grade B, without copper. All joints in the conductor casing shall be securely welded and shall be watertight.

Cement grout shall be composed of not more than 3 cubic feet of sand and 1 cubic foot (one sack) of Portland cement to 5 to 7 gallons (0.67 to 0.90 cubic feet) of clean water. This is typically considered to be a 10-sack Portland cement sand slurry mix when ordered from batching plants. Bentonite, to make the mix more fluid and reduce shrinkage, may be used to a total of 5 percent (5%) of the volume of the cement. If 5 percent bentonite is used, water content can be increased to 8.2 gallons per sack of cement.

PLACEMENT

Prior to drilling the conductor casing holes, the Contractor shall pothole the hole locations prior to installation to ensure no underground utilities will be impacted. During placement of the conductor casing, field joints shall be either collared or plain-end, and welded together. Centering guides shall be welded to the conductor casing with a minimum of two sets of guides (one near the bottom and one near the top). Each set will consist of three guides equally spaced circumferentially.

After the conductor casing has been installed, cement grout shall then be injected in the annular space between the inner casing and the borehole from bottom to top by means of a tremie pipe. Cement grout material shall be placed by the positive displacement pumping method in one continuous operation. Upon completion of cementing, concrete shall be visible above the surface of the ground outside the conductor casing. After cementing operations are completed, the concrete shall be left undisturbed for a period of not less than 12 hours before drilling is resumed.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



MEASUREMENT AND PAYMENT

Full compensation for doing all work and furnishing all materials necessary to manufacture, deliver, and install the 36-inch surface conductor casing as specified shall be included in the unit bid price per linear foot for "Conductor (Surface) Casing" - Bid Item No. 3.



SECTION 208 - WELL CASINGS AND SCREENS

208 - WELL CASINGS AND SCREENS - BID ITEM NOS. 8.1 THROUGH 8.7SCOPE

The Contractor shall furnish all materials and work necessary to manufacture, deliver, and install well casing, reducers, screens, cellar pipes and caps, tremie pipes and sounding pipes as shown on the drawings and in accordance with these Specifications.

Quantity (Linear Feet)	Item	Bid Item No.
760	22-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CASING	8.1
300	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL WIRE-WRAP WELL SCREEN, 0.050-INCH SLOTS	8.2
20	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CASING	8.3
20	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CELLAR WITH BULLNOSE	8.4
750	3-INCH-DIAMETER, STAINLESS STEEL PERMANENT GRAVEL TUBE	8.5
760	3-INCH-DIAMETER, STAINLESS STEEL PERMANENT SOUNDING TUBE	8.6
3	3-INCH-DIAMETER, TYPE 304 STAINLESS STEEL CASING VENT PIPE	8.7

MATERIALS

22-Inch-Inside-Diameter Stainless Steel Blank Well Casing. The 22-inch diameter blank casing shall be of TYPE 304 stainless steel construction, in accordance with ASTM A-312 or A-778, with minimum 0.5-inch (1/2-inch) wall thickness.

20-Inch-Nominal-Diameter Stainless Steel Wire Wrapped Well Screen. Well screen shall be 20-inch-nominal-diameter stainless steel, TYPE 304. Screen opening width shall be 0.050-inch. The well screen shall be of the continuous slot, welded, wire-wrapped design, and of construction to provide sufficient tensile and collapse strength. Vertical rods shall be 0.25-inch diameter and consist of 84 rods circumferentially (minimum). For the No. 50 slot screen (0.050-inch), the minimum open area requirement is 155 square inches per linear foot. The tolerance for the final slot size selected shall be ± 0.005 inches. It is the Contractor's sole



responsibility to ensure the well screen has sufficient tensile and collapse strength to be assembled, landed, and installed without damage to casing, screen, or borehole.

20-Inch-Nominal-Diameter Stainless Steel Blank Well Casing. The 20-inch diameter blank casing shall be of TYPE 304 stainless steel construction, in accordance with ASTM A-312 or A-778, with minimum 0.375-inch (3/8-inch) wall thickness.

20-Inch-Nominal Diameter Stainless Steel Cellar Pipe and Cap. The stainless steel cellar pipe shall be 20-inch-nominal-diameter in size and 20 feet in length, and manufactured of TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778. The wall thickness shall be minimum 0.375-inches (3/8-inches). The bottom of the well casing shall be fitted with a bullnose plug welded in place.

3-Inch-Inside-Diameter Stainless Steel Gravel Feed Tube. A permanent gravel tremie pipe shall be installed. The tremie pipe will be manufactured of TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778, and extend to a depth of approximately 750 feet bgs, as shown on Figure 3.

3-Inch-Inside-Diameter Stainless Steel Sounding Tube. The sounding tube shall consist of 3-inch-inside-diameter, TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778 and extend to a depth of approximately 760 feet bgs, as shown on Figure 3.

3-Inch-Inside-Diameter Stainless Steel Chlorination Access Pipe. A permanent access pipe shall be installed. The access pipe will be constructed of 3-inch-inside-diameter, TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778.

Upon completion of reaming the pilot bore, the Contractor shall install the well screen and casing at intervals as determined by the OTR. The proposed well design is shown on Figure 3. The final design will be established upon review of the pilot hole geophysical log.

The casing and screen shall be plumb and shall be centered in the hole. All field joints shall be properly lapwelded during installation with a minimum of two passes per circumference. Centralizers with 120-degree spacing, attached directly to the casing and screen by welding at intervals of not more than 60 feet within the screened casing and at intervals of not more than 80 feet within the blank casing shall be provided in order to center and hold the casing in the proper position until the gravel is in place. The centralizers shall be of the same material used in each casing or screen interval. Casing centralizers shall be placed up to a depth of approximately 80 feet below ground surface.

The casing shall be suspended in tension from the surface by means of an appropriate hanger or clamp. The bottom of the casing shall be at a sufficient distance above the bottom of the reamed hole to ensure that none of the casing will be supported from the bottom of the hole. The use of float plugs to land and set casing will not be permitted.



A construction tremie pipe will be installed to place the gravel pack and the cement grout in the annulus. Prior to final gravel packing operations, the permanent gravel tremie pipe will be installed. The remainder of the gravel will then be installed. The top of the permanent tremie pipe will extend a minimum of 20 inches above ground surface and be equipped with a screw-on cap. The gravel tube shall not be 'topped off' with gravel, but shall be left empty. The Contractor shall ensure that the permanent gravel tube is maintained free and clear through cementing operations by continuously running clear water through the permanent gravel tube during gravel packing and cementing operations.

A permanent sounding pipe will be connected to the casing at the approximate location shown on **Figure 3** and will be lowered simultaneously with the emplacement of the casing. The sounding pipe will be provided with a minimum 6-foot-long reinforced connection (entry box) to the steel casing, as shown on **Figure 4**. The bottom of the entry box shall be between 12 and 24 inches from the bottom of the blank casing joint to which it is attached. The inside joined surfaces of the entry box and casing shall be filled and ground smooth to the satisfaction of the OTR so as to not damage downhole wirelines and associated tools (e.g., video cameras, spinner tools, etc.). Ground surface orientation of the gravel and sounding tubes shall be 90 degrees apart as shown on **Figure 5**. The top of the sounding pipe shall be terminated as shown on **Figure 5**.

A permanent casing vent pipe will be connected to the casing as shown on **Figure 5**.

The top of the casing will be provided with a welded cap at all times when personnel are not on the site.

All casing material shall be new.

If, for any reason, the casing cannot be landed in the correct position or at a depth acceptable to the OTR, or any of the casings should collapse prior to well completion, the Contractor shall construct another well immediately adjacent to the original location and complete this well in accordance with the specifications at no additional cost to OWNER. The abandoned hole shall be sealed in accordance with directions from OWNER and in accordance with any laws pertaining to proper well abandonment.

All work required to be repeated and all additional materials, labor, and equipment required, shall be furnished at the expense of the Contractor and no claim for additional compensation shall be made or be allowed, except as specifically provided herein.

All field welding shall be performed in accordance with American Welding Society Standards by a certified welder.

The following field welding procedures shall apply:

- A length shall be lowered into the well with the collar facing upward.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



- The plain end of the following length shall be inserted in the collar. True contact of the two joints must be verified by observation through the inspection windows.
- Spot welds shall be placed through the three windows in order to hold the contact position.
- A filet type weld shall be made covering the top edge of the collar continuously for the entire circumference. Two passes or welds shall be applied to 5/16-inch and thicker wall material.
- The inspection windows on blank casing sections shall be seal-welded to assure a leak-proof connection.

The following electrodes shall be utilized for various casing and screen materials.

Mild Steel	E-6011 or E-7018
Copper Bearing Steel	E-6011 or E-7018
Low Alloy Steel (ASTM A242 or equivalent)	E-7018
Stainless Steel (Type 304)	E-308L-16

Depending on wall thickness, the following electrode sizes shall apply:

<u>Wall Thickness</u>	<u>Electrode Size</u>
1/8-inch	1/8-inch
3/16- to 1/4-inch	5/32- to 3/16-inch
over 1/4-inch	3/16- to 1/4-inch

TESTING

Not applicable.

SUBMITTALS

The Contractor shall supply the OTR with an affidavit of compliance stating the casing, screen, pipe and cap comply with the applicable requirements of ASTM Standards. Contractor shall also submit qualifications and evidence of current certification of the welder(s).

MEASUREMENTS

For the purposes of payment, measurements of casing, screen, and pipes, shall be per linear foot.

PAYMENT

Full compensation for doing all work and furnishing all materials necessary to manufacture, deliver, and install well casing and screens as shown on the drawings and as specified shall be included in the unit price bid per linear foot for: 22-Inch-Inside-Diameter

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



Stainless Steel Blank Casing - Bid Item No. 8.1; 20-Inch-Nominal-Diameter Stainless Steel Wire-Wrapped Well Screen - Bid Item No. 8.2; 20-Inch-Nominal-Diameter Stainless Steel Blank Casing - Bid Item No. 8.3; 20-Inch-Nominal-Diameter Stainless Steel Cellar and Bullnose - Bid Item No. 8.4; 3-Inch-Inside-Diameter Stainless Steel Gravel Tube - Bid Item No. 8.5; 3-Inch-Inside Diameter Stainless Steel Sounding Tube - Bid Item No. 8.6; and 3-Inch-Inside Diameter Stainless Steel Access Pipe - Bid Item No. 8.7.

Curt Zimmerer

From: Curt Zimmerer
Sent: Tuesday, November 13, 2018 5:00 PM
To: Dustin Wilson
Subject: RE: Request for DBE quotes for Lancaster Water Reclamation Plant from Zim Industries, Inc.

Dustin,

You are correct. This is for Monterey (not Lancaster). The attachment is correct.

Sorry for the confusion.

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

From: Dustin Wilson <dustin@capfloww.com>
Sent: Tuesday, November 13, 2018 2:51 PM
To: Curt Zimmerer <curt@zimindustries.com>
Subject: Re: Request for DBE quotes for Lancaster Water Reclamation Plant from Zim Industries, Inc.

Hi Curt, the attachment indicates this is for Monterey not Lancaster, which I did receive in another email.

Thanks,

Dustin Wilson
CAPITAL FLOW - DVBE / SB Division Manager

T - 916.303.3332
F - 916.583.7338
www.capfloww.com



CONSTRUCTION MATERIAL SUPPLIER
DVAR: 1760611

On Nov 13, 2018, at 12:01 PM, Curt Zimmerer <curt@zimindustries.com> wrote:

Dustin,

Attached is the bid schedule and specs for a project bidding on 11-15-2018 in Monterey, CA. The attached PDF file contains a copy of the material specifications for the water well project bidding Thursday at the Monterey Peninsula Water Supply Project for the construction of Fitch Park ASR Wells 5 and 6. Zim Industries, Inc. is looking for DBEs to provide materials and services on this project. As a DBE your company qualifies as a DBE supplier for this project. Please provide a quotation for the materials listed on the attached PDF file. The well casing on this project is specified Roscoe Moss or equivalent type 304 stainless steel blank and wire-wrap screen supplier, but the conductor is specified A-139, Grade B low carbon steel. In addition, please fill out the information on the Bidder's List of Subcontractors DBE form. Also, please fill out and sign the DBE Subcontractor Performance Form. Finally, please provide proof of DBE current certifications and current declarations. This information is needed no later than 5:00 PM tomorrow as this project bids on November 15, 2018 and has to be federal expressed tomorrow night. Thank you for your assistance and interest. This project requires the listing of WBE, MBE and other designated DBE suppliers. We are definitely going to utilize the most competitive qualified WBE, MBE and DBE supplier in our bid.

I look forward to receiving your quote, certifications and bid forms required by this project.

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information

contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

Curt Zimmerer

From: Curt Zimmerer
Sent: Tuesday, November 13, 2018 12:12 PM
To: dustin@capfloww.com
Subject: Request for DBE quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.
Attachments: 20181113113710962.pdf

Dustin,

Attached is the bid schedule and specs for a project bidding on 11-15-2018 in Monterey, CA. The attached PDF file contains a copy of the material specifications for the water well project bidding Thursday at the Monterey Peninsula Water Supply Project for the construction of Fitch Park ASR Wells 5 and 6. Zim Industries, Inc. is looking for DBEs to provide materials and services on this project. As a DBE your company qualifies as a DBE supplier for this project. Please provide a quotation for the materials listed on the attached PDF file. The well casing on this project is specified Roscoe Moss or equivalent type 304 stainless steel blank and wire-wrap screen supplier, but the conductor is specified A-139, Grade B low carbon steel. In addition, please fill out the information on the Bidder's List of Subcontractors DBE form. Also, please fill out and sign the DBE Subcontractor Performance Form. Finally, please provide proof of DBE current certifications and current declarations. This information is needed no later than 5:00 PM tomorrow as this project bids on November 15, 2018 and has to be federal expressed tomorrow night. Thank you for your assistance and interest. This project requires the listing of WBE, MBE and other designated DBE suppliers. We are definitely going to utilize the most competitive qualified WBE, MBE and DBE supplier in our bid.

I look forward to receiving your quote, certifications and bid forms required by this project.

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

BIDDER'S LIST

- Contractor is required to provide the following information for all DBE and non-DBE subcontractors, who provided a proposal, bid, quote, or were contacted by Contractor. This information must be submitted with Contractor's bid.

Prime Contractor: Zim Industries, Inc.
Project: Monterey Peninsula Water Supply Project
Construction of Fitch Park ASR Wells 5 and 6

Firm Name:	_____	Phone:	_____
Business Address:	_____	Fax:	_____
Email:	_____		
License No. and Classification:	_____	Years in Business:	_____
Contact Person:	_____		
Is the firm currently certified as a DBE? <input type="checkbox"/> No <input type="checkbox"/> Yes Cert. Number: _____			
Type of work/ services/ materials proposed by bidder:			

Amount of Bid/Quote: _____			
Date of Bid/Quote: _____			



**Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form**

This form is intended to capture the DBE¹ subcontractor's² description of work to be performed and the price of the work submitted to the prime contractor. A Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractor's bid or proposal package.

Subcontractor Name		Project Name	
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact	
Address			
Telephone No.		Email Address	
Prime Contractor Name		Issuing/Funding Entity	

Contract Item Number	Description of Work Submitted from the Prime Contractor Involving Construction, Services, Equipment or Supplies	Price of Work Submitted to the Prime Contractor
DBE Certified By: <input type="checkbox"/> DOT <input type="checkbox"/> SBA Other: _____		Meets/exceeds EPA certification standards? YES NO Unknown

¹ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

² Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.

EXHIBIT A

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	Date

Subcontractor Signature	Print Name
Title	Date

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.

**CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6**

BID SHEET for FITCH PARK ASR-5 AND ASR-6 CONSTRUCTION

BID ADDENDUM NO. 3

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
1	Mobilization	Lump Sum	Lump Sum	\$	\$	\$
2	Noise Control / Sound Barrier	Linear Feet	500	\$	\$	\$
3	36-Inch Diameter Carbon Steel Conductor Casing	Linear Feet	55	\$	\$	\$
4	Pilot Bore Drilling	Linear Feet	1065	\$	\$	\$
5	Geophysical Logging	Lump Sum	Lump Sum	\$	\$	\$
6	Pilot Bore Reaming	Linear Feet	1065	\$	\$	\$
7	Caliper Survey	Lump Sum	Lump Sum	\$	\$	\$
8.1	22-inch Diameter Stainless Steel Blank Casing	Linear Feet	760	\$	\$	\$
8.2	20-inch Diameter Stainless Steel Wire Wrapped Screen	Linear Feet	300	\$	\$	\$
8.3	20-inch Diameter Stainless Steel Blank Casing	Linear Feet	20	\$	\$	\$
8.4	20-inch Diameter Stainless Steel Cellar with Bullnose	Lump Sum	20	\$	\$	\$
8.5	3-inch Diameter Stainless Steel Gravel Tremie Pipe	Linear Feet	750	\$	\$	\$
8.6	3-inch Diameter Stainless Steel Sounding Pipe	Linear Feet	760	\$	\$	\$
8.7	3-inch Diameter Stainless Steel Casing Vent Pipe	Lump Sum	Lump Sum	\$	\$	\$
9	Gravel Pack	Linear Feet	390	\$	\$	\$
10	Cement Grout	Linear Feet	730	\$	\$	\$
11.1	Mechanical Development	Hours	85	\$	\$	\$
11.2	Pumping Development	Hours	100	\$	\$	\$
11.3	Additional Mechanical Development	Hours	XX Hours	\$	XXXX	XXXX
11.4	Additional Pumping Development	Hours	XX Hours	\$	XXXX	XXXX

**CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6**

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
12	Production Testing	Hours	16	\$	\$	\$
13	Disinfection of Well	Lump Sum	Lump Sum	\$	\$	\$
14	Wellhead Completion and Installation of Pump/Motor and FCV Assembly	Lump Sum	Lump Sum	\$	\$	\$
14.A	Well Pump/Motor and FCV Assembly	Allowance	Allowance	\$300,000	\$300,000	\$600,000
14.B	Percent Markup Over Invoiced Cost for Well Pump/Motor and FCV Assembly	Percent	Percent	%	%	%
14.C	Markup Amount (amount entered in 14.A times percent entered in 14.B)	Lump Sum	Lump Sum	\$	\$	\$
15	Downhole Velocity Surveys	Lump Sum	Lump Sum	\$	\$	\$
16	Acceptance Video Surveys	Lump Sum	Lump Sum	\$	\$	\$
17	Plumbness and Alignment	Lump Sum	Lump Sum	\$	\$	\$
18	Standby Time	Hours	XX Hours	\$	XXXX	XXXX
19	Site Cleanup	Lump Sum	Lump Sum	\$	\$	\$
20	Fluid and Cuttings Containment and Disposal	Lump Sum	Lump Sum	\$	\$	\$
21	Temporary Discharge Pipeline	Lump Sum	Lump Sum	\$	XXXX	\$
22	Traffic Control Plan	Lump Sum	Lump Sum	\$	\$	\$
23	Connect pipe extension & valves to Temporary Water Supply, and construction water consumption	Allowance	Allowance	\$	\$10,000	\$20,000
24	Temporary 7' height Perimeter Site Security, Chain Link Fencing & Double Leaf Gates, lockable	Lump Sum	Lump Sum	\$	\$	\$
25	Community Outreach Plan & Attend Meetings	Allowance	Allowance	\$	\$3000	\$6000
26	Prepare & implement BMP's and Storm Water Pollution Prevention Plan (SWPPP)	Lump Sum	Lump Sum	\$	\$	\$
Total Amount Bid:					\$	\$

CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
Total In Words:						

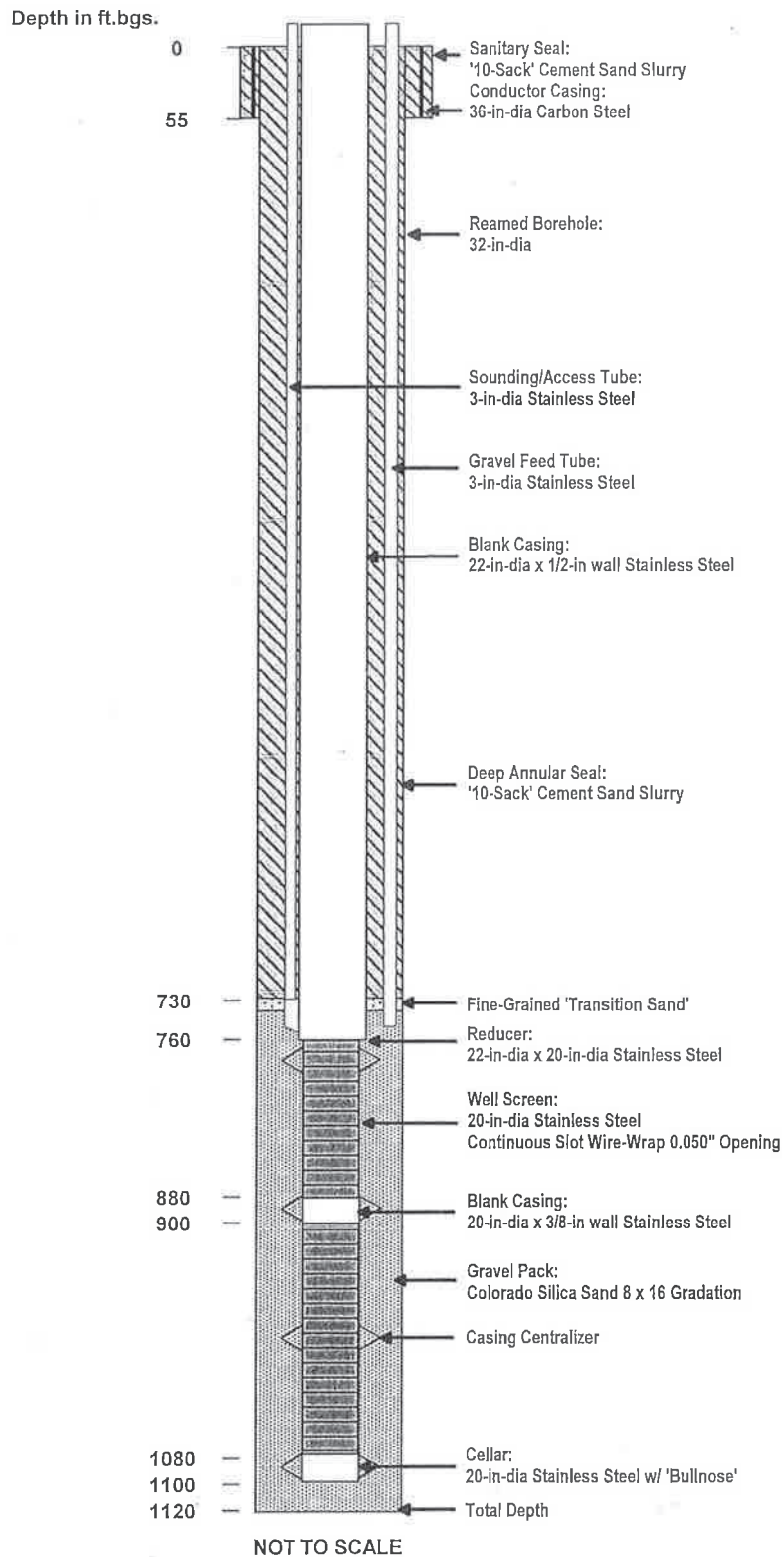


FIGURE 3. PRELIMINARY WELL DESIGN SCHEMATIC
 Fitch Park ASR-5 and ASR-6 Project
 California American Water



The drill rig utilized must have the ability to fully lift and land the anticipated casing loads without the use of float plugs or other similar methods. All drill pipe must utilize threaded flush or upset tool joints, or equal, as approved by the Owner's Technical Representative (OTR).

SECTION 105 - CONSTRUCTION SCHEDULE

Construction activities are anticipated to start in **4th Quarter 2018** following approval of the project.

Drilling efficiency and rapid advance rates both for the pilot hole and reamed borehole are critical to the successful completion of hydraulically efficient wells. Accordingly, the Contractor shall conduct construction operations on a 24-hour per day, 7-day per week basis, and without significant delays, starting with the commencement of pilot hole drilling (after setting the surface conductor casing) and continuing until the initial mechanical development of the well (airlift swabbing) is completed. Work must begin within thirty (30) consecutive calendar days of notice to proceed and all work must be completed within one hundred eighty (180) calendar days from the commencement of work activities.

A construction schedule must be submitted with the bid in order for the bid to be considered responsive.

SECTION 106 - OVERVIEW OF WORK TO BE DONE

SECTION 106.1 - REQUIREMENTS OF WORK

Work includes the furnishing of all materials, labor, equipment, fuel, tools, transportation, and services for drilling, construction, development, testing, and completion of the well as described in these specifications.

While the final design of the wells may change, the general work required applicable to **each** of the project wells include:

- 1) The Contractor shall obtain the necessary well drilling permits from the County of Monterey Environmental Health Department.
- 2) Move equipment on (and off) of the site.
- 3) Furnish and install a temporary sound barrier. The sound barrier shall be a minimum 24 feet high, approximately 500 lineal feet, with minimum sound transmission class (STC) rating of 25.
- 4) Drill and install a 36-inch outside diameter, steel conductor (surface) casing to a total depth of 55 feet, below ground surface (bgs). The borehole for the conductor casing shall have a minimum diameter of 46 inches. Place a cement-grout annular seal in the space between the conductor casing and the borehole wall, from the bottom of the conductor casing to the ground surface.
- 5) Drill a pilot borehole to a total depth of 1,120 feet bgs (total footage of 1,065 feet, starting at the base of the conductor casing of 55 feet, bgs). Pilot borehole shall have

ATTACHMENT C



- a maximum diameter of 18 inches. Collect drill cuttings, and maintain a detailed pipe tally, drilling time log, drilling fluid log, and drill cuttings log.
- 6) Provide for, and assist with, a geophysical borehole log of the pilot bore using spontaneous potential (SP), resistivity, and natural gamma surveys of the pilot hole.
 - 7) Ream pilot bore to a diameter of 32 inches to a total depth of 1,120 feet (total ream footage of 1,065 feet).
 - 8) Install well casing and screen, in accordance with the following schedule: 1) 760 feet of 22-inch diameter, stainless steel (Type 304) blank casing; 2) 300 feet of 20-inch diameter, stainless steel (Type 304) wire-wrapped well screen; 3) 20 feet of 20-inch diameter, stainless steel (Type 304) blank casing (20-ft separation between two screened sections) and 4) 20 feet of 20-inch diameter, stainless steel (Type 304) blank cellar pipe with a bullnose.
 - 9) Install 3-inch diameter, stainless steel (Type 304) gravel feed and sounding tubes to depths of approximately 750 feet bgs and 760 feet bgs, respectively.
 - 10) Install gravel pack from the bottom of the reamed hole up to a depth of approximately 735 feet below ground surface.
 - 11) Place approximately 5 feet of 'transition' sand above the top of the gravel pack.
 - 12) Place approximately 730 feet of cement grout sanitary seal.
 - 13) Develop the well by air-lifting/swabbing and pumping.
 - 14) Provide and install temporary discharge piping for conveying water produced during development and test pumping to a surface spreading location.
 - 15) Install and remove test pump for final development and well performance aquifer testing.
 - 16) Provide for, and assist with, conducting velocity (spinner) survey during step production testing.
 - 17) Provide for, and assist with, conducting an alignment survey of the completed well.
 - 18) Provide for, and assist with, conducting an acceptance video survey of the completed well.
 - 19) Disinfect the well.
 - 20) Provide wellhead completion, pump foundation and permanent pump assembly.
 - 21) Provide temporary discharge piping and energy dissipater(s) for development and test pumping discharges.
 - 22) Clean up the sites.
 - 23) Contain and legally dispose drilling fluids and cuttings offsite.
 - 24) Fulfill all well drilling permit requirements, including the preparation and filing of a Department of Water Resources Well Completion Report.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



The tentative casing schedules for the FP ASR-5 and ASR-6 wells is as follows:

Interval (depth in ft below ground surface)	Material
0 to 760	22-inch diameter, 1/2-inch wall thickness, TYPE 304 STAINLESS STEEL blank casing
760 to 880	20-inch diameter, TYPE 304 STAINLESS STEEL wire-wrapped well screen, with 0.050-inch slots
880 to 900	20-inch diameter, 3/8 wall thickness, TYPE 304 STAINLESS STEEL blank casing
900 to 1080	20-inch diameter, TYPE 304 STAINLESS STEEL wire-wrapped well screen, with 0.050-inch slots
1080 to 1100	20-inch diameter, 3/8 wall thickness, TYPE 304 STAINLESS STEEL blank cellar with bullnose

A depiction of the proposed FP ASR-5 and ASR-6 wells is presented on **Figure 3**. The Contractor is advised that the proposed design of the wells presented above is based on information available at the time of development of these specifications. Although no significant changes are anticipated, the final designs of the wells may be altered based on the conditions at the site as determined through the pilot hole drilling and the new geophysical surveys.

SECTION 107 - OTHER WORK REQUIRED

In addition to the work described in Section 106, the Contractor will be responsible for other work that will be required during the construction of the well.

The Contractor shall contact Underground Services Alert (USA) at least 3 days prior to any drilling or excavation at the site.

The Contractor shall prepare the site in a manner as to provide adequate work space, safe working conditions, site ingress/egress and sufficient containment and storage of drilling cuttings and fluids. The Contractor shall also implement, install, and maintain Best Management Practices (BMPs) for the control of nuisance water and storm water. The BMPs shall be adequate to prevent erosion and runoff of sediment laden water from the work site. During construction, washing of concrete trucks, equipment, or similar activities shall occur only in areas where wash water can be contained on site.

The Fitch Park ASR sites contain numerous trees and shrubs that may need to be removed or trimmed in order to provide sufficient unobstructed space for equipment and materials. Prior to Contractor mobilization, OWNER will retain an arborist to trim or remove trees and/or shrubs, and to identify which plant species require protection during project activities. If required, OWNER will install protective fencing around sensitive plants or trees. It shall be the Contractor's responsibility to avoid protected areas and maintain the protective fencing during the course of the project.



SECTION 203 - CONDUCTOR (SURFACE) CASING

203 - CONDUCTOR (SURFACE) CASING, BID ITEM NO. 3

SCOPE

The Contractor shall furnish all equipment, material, and work necessary to install the surface conductor casing as shown on the Drawings and specified herein. Prior to drilling of the pilot hole, the Contractor shall bore a 42-inch-minimum-diameter hole from ground surface to a depth of 55 feet bgs, or as directed by the OTR, in which a surface conductor casing shall be installed.

MATERIALS

The conductor casing shall be a minimum 36 inches outside-diameter steel pipe having a wall thickness of not less than 0.375-inch (3/8-inch) and a below ground length of not less than 55 feet. Conductor casing shall be manufactured in accordance with ASTM Designation A-139, Grade B, without copper. All joints in the conductor casing shall be securely welded and shall be watertight.

Cement grout shall be composed of not more than 3 cubic feet of sand and 1 cubic foot (one sack) of Portland cement to 5 to 7 gallons (0.67 to 0.90 cubic feet) of clean water. This is typically considered to be a 10-sack Portland cement sand slurry mix when ordered from batching plants. Bentonite, to make the mix more fluid and reduce shrinkage, may be used to a total of 5 percent (5%) of the volume of the cement. If 5 percent bentonite is used, water content can be increased to 8.2 gallons per sack of cement.

PLACEMENT

Prior to drilling the conductor casing holes, the Contractor shall pothole the hole locations prior to installation to ensure no underground utilities will be impacted. During placement of the conductor casing, field joints shall be either collared or plain-end, and welded together. Centering guides shall be welded to the conductor casing with a minimum of two sets of guides (one near the bottom and one near the top). Each set will consist of three guides equally spaced circumferentially.

After the conductor casing has been installed, cement grout shall then be injected in the annular space between the inner casing and the borehole from bottom to top by means of a tremie pipe. Cement grout material shall be placed by the positive displacement pumping method in one continuous operation. Upon completion of cementing, concrete shall be visible above the surface of the ground outside the conductor casing. After cementing operations are completed, the concrete shall be left undisturbed for a period of not less than 12 hours before drilling is resumed.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



MEASUREMENT AND PAYMENT

Full compensation for doing all work and furnishing all materials necessary to manufacture, deliver, and install the 36-inch surface conductor casing as specified shall be included in the unit bid price per linear foot for "Conductor (Surface) Casing" - Bid Item No. 3.



SECTION 208 - WELL CASINGS AND SCREENS

208 - WELL CASINGS AND SCREENS - BID ITEM NOS. 8.1 THROUGH 8.7

SCOPE

The Contractor shall furnish all materials and work necessary to manufacture, deliver, and install well casing, reducers, screens, cellar pipes and caps, tremie pipes and sounding pipes as shown on the drawings and in accordance with these Specifications.

Quantity (Linear Feet)	Item	Bid Item No.
760	22-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CASING	8.1
300	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL WIRE-WRAP WELL SCREEN, 0.050-INCH SLOTS	8.2
20	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CASING	8.3
20	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CELLAR WITH BULLNOSE	8.4
750	3-INCH-DIAMETER, STAINLESS STEEL PERMANENT GRAVEL TUBE	8.5
760	3-INCH-DIAMETER, STAINLESS STEEL PERMANENT SOUNDING TUBE	8.6
3	3-INCH-DIAMETER, TYPE 304 STAINLESS STEEL CASING VENT PIPE	8.7

MATERIALS

22-Inch-Inside-Diameter Stainless Steel Blank Well Casing. The 22-inch diameter blank casing shall be of TYPE 304 stainless steel construction, in accordance with ASTM A-312 or A-778, with minimum 0.5-inch (1/2-inch) wall thickness.

20-Inch-Nominal-Diameter Stainless Steel Wire Wrapped Well Screen. Well screen shall be 20-inch-nominal-diameter stainless steel, TYPE 304. Screen opening width shall be 0.050-inch. The well screen shall be of the continuous slot, welded, wire-wrapped design, and of construction to provide sufficient tensile and collapse strength. Vertical rods shall be 0.25-inch diameter and consist of 84 rods circumferentially (minimum). For the No. 50 slot screen (0.050-inch), the minimum open area requirement is 155 square inches per linear foot. The tolerance for the final slot size selected shall be ± 0.005 inches. It is the Contractor's sole



responsibility to ensure the well screen has sufficient tensile and collapse strength to be assembled, landed, and installed without damage to casing, screen, or borehole.

20-Inch-Nominal-Diameter Stainless Steel Blank Well Casing. The 20-inch diameter blank casing shall be of TYPE 304 stainless steel construction, in accordance with ASTM A-312 or A-778, with minimum 0.375-inch (3/8-inch) wall thickness.

20-Inch-Nominal Diameter Stainless Steel Cellar Pipe and Cap. The stainless steel cellar pipe shall be 20-inch-nominal-diameter in size and 20 feet in length, and manufactured of TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778. The wall thickness shall be minimum 0.375-inches (3/8-inches). The bottom of the well casing shall be fitted with a bullnose plug welded in place.

3-Inch-Inside-Diameter Stainless Steel Gravel Feed Tube. A permanent gravel tremie pipe shall be installed. The tremie pipe will be manufactured of TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778, and extend to a depth of approximately 750 feet bgs, as shown on Figure 3.

3-Inch-Inside-Diameter Stainless Steel Sounding Tube. The sounding tube shall consist of 3-inch-inside-diameter, TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778 and extend to a depth of approximately 760 feet bgs, as shown on Figure 3.

3-Inch-Inside-Diameter Stainless Steel Chlorination Access Pipe. A permanent access pipe shall be installed. The access pipe will be constructed of 3-inch-inside-diameter, TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778.

Upon completion of reaming the pilot bore, the Contractor shall install the well screen and casing at intervals as determined by the OTR. The proposed well design is shown on Figure 3. The final design will be established upon review of the pilot hole geophysical log.

The casing and screen shall be plumb and shall be centered in the hole. All field joints shall be properly lapwelded during installation with a minimum of two passes per circumference. Centralizers with 120-degree spacing, attached directly to the casing and screen by welding at intervals of not more than 60 feet within the screened casing and at intervals of not more than 80 feet within the blank casing shall be provided in order to center and hold the casing in the proper position until the gravel is in place. The centralizers shall be of the same material used in each casing or screen interval. Casing centralizers shall be placed up to a depth of approximately 80 feet below ground surface.

The casing shall be suspended in tension from the surface by means of an appropriate hanger or clamp. The bottom of the casing shall be at a sufficient distance above the bottom of the reamed hole to ensure that none of the casing will be supported from the bottom of the hole. The use of float plugs to land and set casing will not be permitted.



A construction tremie pipe will be installed to place the gravel pack and the cement grout in the annulus. Prior to final gravel packing operations, the permanent gravel tremie pipe will be installed. The remainder of the gravel will then be installed. The top of the permanent tremie pipe will extend a minimum of 20 inches above ground surface and be equipped with a screw-on cap. The gravel tube shall not be 'topped off' with gravel, but shall be left empty. The Contractor shall ensure that the permanent gravel tube is maintained free and clear through cementing operations by continuously running clear water through the permanent gravel tube during gravel packing and cementing operations.

A permanent sounding pipe will be connected to the casing at the approximate location shown on **Figure 3** and will be lowered simultaneously with the emplacement of the casing. The sounding pipe will be provided with a minimum 6-foot-long reinforced connection (entry box) to the steel casing, as shown on **Figure 4**. The bottom of the entry box shall be between 12 and 24 inches from the bottom of the blank casing joint to which it is attached. The inside joined surfaces of the entry box and casing shall be filled and ground smooth to the satisfaction of the OTR so as to not damage downhole wirelines and associated tools (e.g., video cameras, spinner tools, etc.,). Ground surface orientation of the gravel and sounding tubes shall be 90 degrees apart as shown on **Figure 5**. The top of the sounding pipe shall be terminated as shown on **Figure 5**.

A permanent casing vent pipe will be connected to the casing as shown on **Figure 5**.

The top of the casing will be provided with a welded cap at all times when personnel are not on the site.

All casing material shall be new.

If, for any reason, the casing cannot be landed in the correct position or at a depth acceptable to the OTR, or any of the casings should collapse prior to well completion, the Contractor shall construct another well immediately adjacent to the original location and complete this well in accordance with the specifications at no additional cost to OWNER. The abandoned hole shall be sealed in accordance with directions from OWNER and in accordance with any laws pertaining to proper well abandonment.

All work required to be repeated and all additional materials, labor, and equipment required, shall be furnished at the expense of the Contractor and no claim for additional compensation shall be made or be allowed, except as specifically provided herein.

All field welding shall be performed in accordance with American Welding Society Standards by a certified welder.

The following field welding procedures shall apply:

- A length shall be lowered into the well with the collar facing upward.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



- The plain end of the following length shall be inserted in the collar. True contact of the two joints must be verified by observation through the inspection windows.
- Spot welds shall be placed through the three windows in order to hold the contact position.
- A fillet type weld shall be made covering the top edge of the collar continuously for the entire circumference. Two passes or welds shall be applied to 5/16-inch and thicker wall material.
- The inspection windows on blank casing sections shall be seal-welded to assure a leak-proof connection.

The following electrodes shall be utilized for various casing and screen materials.

Mild Steel	E-6011 or E-7018
Copper Bearing Steel	E-6011 or E-7018
Low Alloy Steel (ASTM A242 or equivalent)	E-7018
Stainless Steel (Type 304)	E-308L-16

Depending on wall thickness, the following electrode sizes shall apply:

<u>Wall Thickness</u>	<u>Electrode Size</u>
1/8-inch	1/8-inch
3/16- to 1/4-inch	5/32- to 3/16-inch
over 1/4-inch	3/16- to 1/4-inch

TESTING

Not applicable.

SUBMITTALS

The Contractor shall supply the OTR with an affidavit of compliance stating the casing, screen, pipe and cap comply with the applicable requirements of ASTM Standards. Contractor shall also submit qualifications and evidence of current certification of the welder(s).

MEASUREMENTS

For the purposes of payment, measurements of casing, screen, and pipes, shall be per linear foot.

PAYMENT

Full compensation for doing all work and furnishing all materials necessary to manufacture, deliver, and install well casing and screens as shown on the drawings and as specified shall be included in the unit price bid per linear foot for: 22-Inch-Inside-Diameter

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



Stainless Steel Blank Casing - Bid Item No. 8.1; 20-Inch-Nominal-Diameter Stainless Steel Wire-Wrapped Well Screen - Bid Item No. 8.2; 20-Inch-Nominal-Diameter Stainless Steel Blank Casing - Bid Item No. 8.3; 20-Inch-Nominal-Diameter Stainless Steel Cellar and Bullnose - Bid Item No. 8.4; 3-Inch-Inside-Diameter Stainless Steel Gravel Tube - Bid Item No. 8.5; 3-Inch-Inside Diameter Stainless Steel Sounding Tube - Bid Item No. 8.6; and 3-Inch-Inside Diameter Stainless Steel Access Pipe - Bid Item No. 8.7.

Curt Zimmerer

From: roni <roni@asapis.com>
Sent: Tuesday, November 13, 2018 12:35 PM
To: Curt Zimmerer
Subject: RE: Request for DBE quotes for Lancaster Water Reclamation Plant from Zim Industries, Inc.

CURT, YOU WILL HAVE TO GO THRU ROSCOE ON THIS WHOLE THING. CRYSTAL CANT HELP ON IT.

Roni Schmidt
VP Sales & Marketing

ASAP Industrial Supply, Inc.
10927 Jasmine Street
Fontana, CA 92337
Phone: 909-923-2727
Fax: 909-429-9656
roni@asapis.com

-----Original Message-----

From: Curt Zimmerer [mailto:curt@zimindustries.com]
Sent: Tuesday, November 13, 2018 11:58 AM
To: Crystal Reed; Roni
Subject: RE: Request for DBE quotes for Lancaster Water Reclamation Plant from Zim Industries, Inc.

Crystal / Roni,

Attached is the bid schedule and specs for a project bidding on 11-15-2018 in Monterey, CA. The attached PDF file contains a copy of the material specifications for the water well project bidding Thursday at the Monterey Peninsula Water Supply Project for the construction of Fitch Park ASR Wells 5 and 6. Zim Industries, Inc. is looking for DBEs to provide materials and services on this project. As a DBE your company qualifies as a DBE supplier for this project. Please provide a quotation for the materials listed on the attached PDF file. The well casing on this project is specified Roscoe Moss or equivalent type 304 stainless steel blank and wire-wrap screen supplier, but the conductor is specified A-139, Grade B low carbon steel. In addition, please fill out the information on the Bidder's List of Subcontractors DBE form. Also, please fill out and sign the DBE Subcontractor Performance Form. Finally, please provide proof of DBE current certifications and current declarations. This information is needed no later than 5:00 PM tomorrow as this project bids on November 15, 2018 and has to be federal expressed tomorrow night. Thank you for your assistance and interest. This project requires the listing of WBE, MBE and other designated DBE suppliers. We are definitely going to utilize the most competitive qualified WBE, MBE and DBE supplier in our bid.

I look forward to receiving your quote, certifications and bid forms required by this project.

Sincerely,

Curt

Curt Zimmerer

President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

Curt Zimmerer

From: Crystal Reed <creed@imperialpipe.com>
Sent: Tuesday, November 13, 2018 12:34 PM
To: Curt Zimmerer
Cc: roni
Subject: RE: Request for DBE quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.

Hi Curt:

Roni will need to work on this one for you, there is not enough Casing footage for us to make it, best of luck 😊!!

Crystal Reed
Marketing Manager,
Sales & Business Development
Cell: 909-702-8364
Email: creed@imperialpipe.com
12375 Brown Avenue
Riverside, CA 92509
951-682-3307
www.imperialpipe.com

-----Original Message-----

From: Curt Zimmerer <curt@zimindustries.com>
Sent: Tuesday, November 13, 2018 12:09 PM
To: Crystal Reed <creed@imperialpipe.com>
Subject: FW: Request for DBE quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.

Crystal / Roni,

Attached is the bid schedule and specs for a project bidding on 11-15-2018 in Monterey, CA. The attached PDF file contains a copy of the material specifications for the water well project bidding Thursday at the Monterey Peninsula Water Supply Project for the construction of Fitch Park ASR Wells 5 and 6. Zim Industries, Inc. is looking for DBEs to provide materials and services on this project. As a DBE your company qualifies as a DBE supplier for this project. Please provide a quotation for the materials listed on the attached PDF file. The well casing on this project is specified Roscoe Moss or equivalent type 304 stainless steel blank and wire-wrap screen supplier, but the conductor is specified A-139, Grade B low carbon steel. In addition, please fill out the information on the Bidder's List of Subcontractors DBE form. Also, please fill out and sign the DBE Subcontractor Performance Form. Finally, please provide proof of DBE current certifications and current declarations. This information is needed no later than 5:00 PM tomorrow as this project bids on November 15, 2018 and has to be federal expressed tomorrow night. Thank you for your assistance and interest. This project requires the listing of WBE, MBE and other designated DBE suppliers. We are definitely going to utilize the most competitive qualified WBE, MBE and DBE supplier in our bid.

I look forward to receiving your quote, certifications and bid forms required by this project.

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

Curt Zimmerer

From: Curt Zimmerer
Sent: Tuesday, November 13, 2018 12:09 PM
To: Crystal Reed
Subject: FW: Request for DBE quotes for Monterey Peninsula Water Supply Project from Zim Industries, Inc.
Attachments: 20181113113710962.pdf

Crystal / Roni,

Attached is the bid schedule and specs for a project bidding on 11-15-2018 in Monterey, CA. The attached PDF file contains a copy of the material specifications for the water well project bidding Thursday at the Monterey Peninsula Water Supply Project for the construction of Fitch Park ASR Wells 5 and 6. Zim Industries, Inc. is looking for DBEs to provide materials and services on this project. As a DBE your company qualifies as a DBE supplier for this project. Please provide a quotation for the materials listed on the attached PDF file. The well casing on this project is specified Roscoe Moss or equivalent type 304 stainless steel blank and wire-wrap screen supplier, but the conductor is specified A-139, Grade B low carbon steel. In addition, please fill out the information on the Bidder's List of Subcontractors DBE form. Also, please fill out and sign the DBE Subcontractor Performance Form. Finally, please provide proof of DBE current certifications and current declarations. This information is needed no later than 5:00 PM tomorrow as this project bids on November 15, 2018 and has to be federal expressed tomorrow night. Thank you for your assistance and interest. This project requires the listing of WBE, MBE and other designated DBE suppliers. We are definitely going to utilize the most competitive qualified WBE, MBE and DBE supplier in our bid.

I look forward to receiving your quote, certifications and bid forms required by this project.

Sincerely,

Curt

Curt Zimmerer
President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Cell: (559) 240-2982
Fax (559) 834-5156
Email: curt@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

BIDDER'S LIST

- Contractor is required to provide the following information for all DBE and non-DBE subcontractors, who provided a proposal, bid, quote, or were contacted by Contractor. This information must be submitted with Contractor's bid.

Prime Contractor: Zim Industries, Inc.
Project: Monterey Peninsula Water Supply Project
Construction of Fitch Park ASR Wells 5 and 6

Firm Name:	_____	Phone:	_____
Business Address:	_____	Fax:	_____
Email:	_____		
License No. and Classification:	_____	Years in Business:	_____
Contact Person:	_____		
Is the firm currently certified as a DBE? <input type="checkbox"/> No <input type="checkbox"/> Yes Cert. Number: _____			
Type of work/ services/ materials proposed by bidder:			

Amount of Bid/Quote: _____			
Date of Bid/Quote: _____			



**Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form**

This form is intended to capture the DBE¹ subcontractor's² description of work to be performed and the price of the work submitted to the prime contractor. A Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractor's bid or proposal package.

Subcontractor Name		Project Name	
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact	
Address			
Telephone No.		Email Address	
Prime Contractor Name		Issuing/Funding Entity	

Contract Item Number	Description of Work Submitted from the Prime Contractor Involving Construction, Services, Equipment or Supplies	Price of Work Submitted to the Prime Contractor
DBE Certified By: <input type="checkbox"/> DOT <input type="checkbox"/> SBA Other: _____		Meets/exceeds EPA certification standards? YES NO Unknown

¹ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

² Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.

EXHIBIT A

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	Date

Subcontractor Signature	Print Name
Title	Date

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.

FORM 4500-3 (DBE Subcontractor Performance Form)

**CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6**

BID SHEET for FITCH PARK ASR-5 AND ASR-6 CONSTRUCTION

BID ADDENDUM NO. 3

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
1	Mobilization	Lump Sum	Lump Sum	\$	\$	\$
2	Noise Control / Sound Barrier	Linear Feet	500	\$	\$	\$
3	36-Inch Diameter Carbon Steel Conductor Casing	Linear Feet	55	\$	\$	\$
4	Pilot Bore Drilling	Linear Feet	1065	\$	\$	\$
5	Geophysical Logging	Lump Sum	Lump Sum	\$	\$	\$
6	Pilot Bore Reaming	Linear Feet	1065	\$	\$	\$
7	Caliper Survey	Lump Sum	Lump Sum	\$	\$	\$
8.1	22-inch Diameter Stainless Steel Blank Casing	Linear Feet	760	\$	\$	\$
8.2	20-inch Diameter Stainless Steel Wire Wrapped Screen	Linear Feet	300	\$	\$	\$
8.3	20-inch Diameter Stainless Steel Blank Casing	Linear Feet	20	\$	\$	\$
8.4	20-inch Diameter Stainless Steel Cellar with Bullnose	Lump Sum	20	\$	\$	\$
8.5	3-inch Diameter Stainless Steel Gravel Tremie Pipe	Linear Feet	750	\$	\$	\$
8.6	3-inch Diameter Stainless Steel Sounding Pipe	Linear Feet	760	\$	\$	\$
8.7	3-inch Diameter Stainless Steel Casing Vent Pipe	Lump Sum	Lump Sum	\$	\$	\$
9	Gravel Pack	Linear Feet	390	\$	\$	\$
10	Cement Grout	Linear Feet	730	\$	\$	\$
11.1	Mechanical Development	Hours	85	\$	\$	\$
11.2	Pumping Development	Hours	100	\$	\$	\$
11.3	Additional Mechanical Development	Hours	XX Hours	\$	XXXX	XXXX
11.4	Additional Pumping Development	Hours	XX Hours	\$	XXXX	XXXX

**CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6**

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
12	Production Testing	Hours	16	\$	\$	\$
13	Disinfection of Well	Lump Sum	Lump Sum	\$	\$	\$
14	Wellhead Completion and Installation of Pump/Motor and FCV Assembly	Lump Sum	Lump Sum	\$	\$	\$
14.A	Well Pump/Motor and FCV Assembly	Allowance	Allowance	\$300,000	\$300,000	\$600,000
14.B	Percent Markup Over Invoiced Cost for Well Pump/Motor and FCV Assembly	Percent	Percent	%	%	%
14.C	Markup Amount (amount entered in 14.A times percent entered in 14.B)	Lump Sum	Lump Sum	\$	\$	\$
15	Downhole Velocity Surveys	Lump Sum	Lump Sum	\$	\$	\$
16	Acceptance Video Surveys	Lump Sum	Lump Sum	\$	\$	\$
17	Plumbness and Alignment	Lump Sum	Lump Sum	\$	\$	\$
18	Standby Time	Hours	XX Hours	\$	XXXX	XXXX
19	Site Cleanup	Lump Sum	Lump Sum	\$	\$	\$
20	Fluid and Cuttings Containment and Disposal	Lump Sum	Lump Sum	\$	\$	\$
21	Temporary Discharge Pipeline	Lump Sum	Lump Sum	\$	XXXX	\$
22	Traffic Control Plan	Lump Sum	Lump Sum	\$	\$	\$
23	Connect pipe extension & valves to Temporary Water Supply, and construction water consumption	Allowance	Allowance	\$	\$10,000	\$20,000
24	Temporary 7' height Perimeter Site Security, Chain Link Fencing & Double Leaf Gates, lockable	Lump Sum	Lump Sum	\$	\$	\$
25	Community Outreach Plan & Attend Meetings	Allowance	Allowance	\$	\$3000	\$6000
26	Prepare & implement BMP's and Storm Water Pollution Prevention Plan (SWPPP)	Lump Sum	Lump Sum	\$	\$	\$
Total Amount Bid:					\$	\$

CALIFORNIA AMERICAN WATER - MPWSP
Fitch Park ASR-5 and ASR-6

Item	Title	Unit	Estimated Quantity (per well)	Unit Price	Subtotal (per well)	Total (both wells)
Total In Words:						

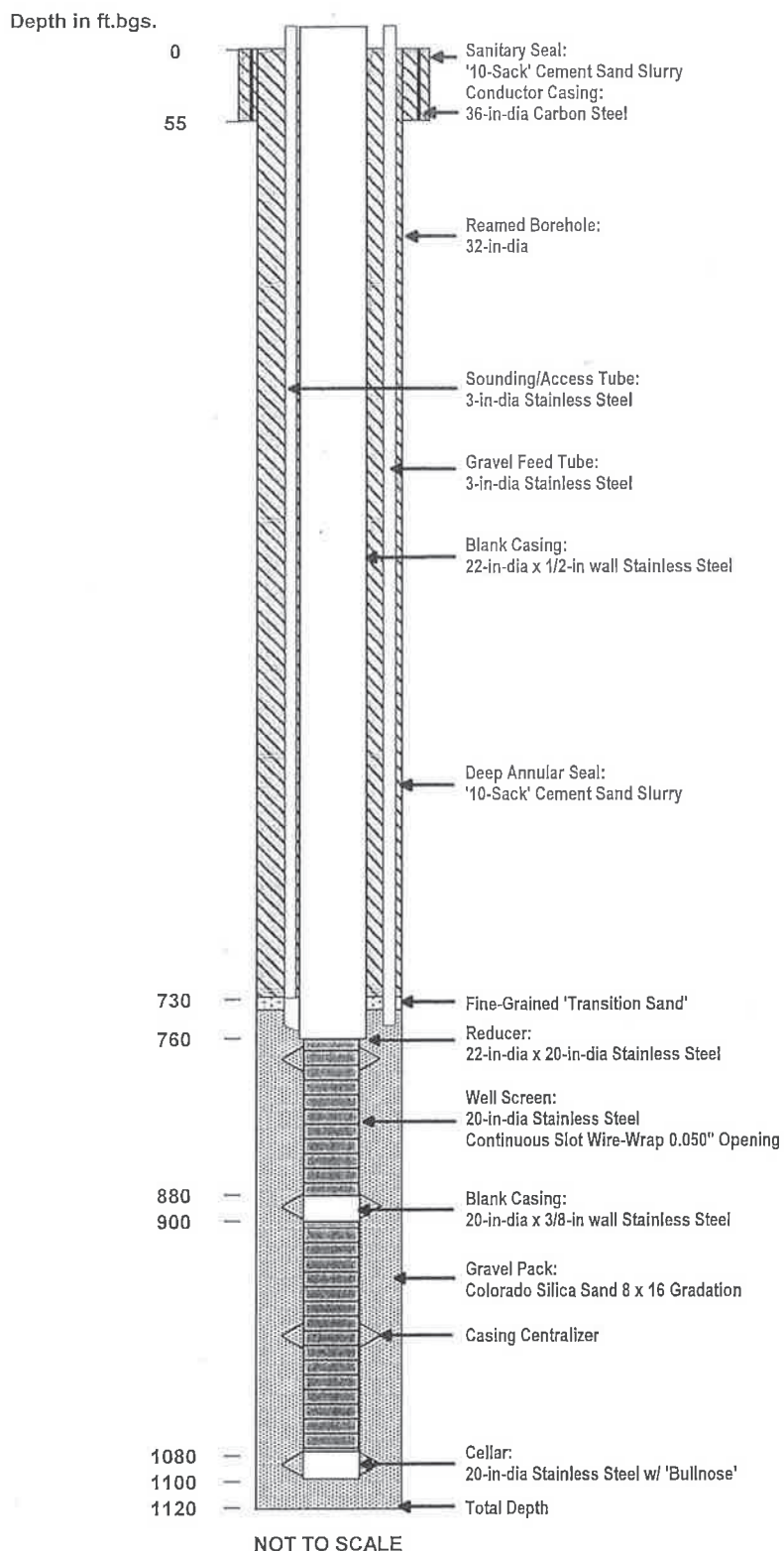


FIGURE 3. PRELIMINARY WELL DESIGN SCHEMATIC
 Fitch Park ASR-5 and ASR-6 Project
 California American Water



The drill rig utilized must have the ability to fully lift and land the anticipated casing loads without the use of float plugs or other similar methods. All drill pipe must utilize threaded flush or upset tool joints, or equal, as approved by the Owner's Technical Representative (OTR).

SECTION 105 - CONSTRUCTION SCHEDULE

Construction activities are anticipated to start in **4th Quarter 2018** following approval of the project.

Drilling efficiency and rapid advance rates both for the pilot hole and reamed borehole are critical to the successful completion of hydraulically efficient wells. Accordingly, the Contractor shall conduct construction operations on a 24-hour per day, 7-day per week basis, and without significant delays, starting with the commencement of pilot hole drilling (after setting the surface conductor casing) and continuing until the initial mechanical development of the well (airlift swabbing) is completed. Work must begin within thirty (30) consecutive calendar days of notice to proceed and all work must be completed within one hundred eighty (180) calendar days from the commencement of work activities.

A construction schedule must be submitted with the bid in order for the bid to be considered responsive.

SECTION 106 - OVERVIEW OF WORK TO BE DONE

SECTION 106.1 - REQUIREMENTS OF WORK

Work includes the furnishing of all materials, labor, equipment, fuel, tools, transportation, and services for drilling, construction, development, testing, and completion of the well as described in these specifications.

While the final design of the wells may change, the general work required applicable to **each** of the project wells include:

- 1) The Contractor shall obtain the necessary well drilling permits from the County of Monterey Environmental Health Department.
- 2) Move equipment on (and off) of the site.
- 3) Furnish and install a temporary sound barrier. The sound barrier shall be a minimum 24 feet high, approximately 500 lineal feet, with minimum sound transmission class (STC) rating of 25.
- 4) Drill and install a 36-inch outside diameter, steel conductor (surface) casing to a total depth of 55 feet, below ground surface (bgs). The borehole for the conductor casing shall have a minimum diameter of 46 inches. Place a cement-grout annular seal in the space between the conductor casing and the borehole wall, from the bottom of the conductor casing to the ground surface.
- 5) Drill a pilot borehole to a total depth of 1,120 feet bgs (total footage of 1,065 feet, starting at the base of the conductor casing of 55 feet, bgs). Pilot borehole shall have

ATTACHMENT C



- a maximum diameter of 18 inches. Collect drill cuttings, and maintain a detailed pipe tally, drilling time log, drilling fluid log, and drill cuttings log.
- 6) Provide for, and assist with, a geophysical borehole log of the pilot bore using spontaneous potential (SP), resistivity, and natural gamma surveys of the pilot hole.
 - 7) Ream pilot bore to a diameter of 32 inches to a total depth of 1,120 feet (total ream footage of 1,065 feet).
 - 8) Install well casing and screen, in accordance with the following schedule: 1) 760 feet of 22-inch diameter, stainless steel (Type 304) blank casing; 2) 300 feet of 20-inch diameter, stainless steel (Type 304) wire-wrapped well screen; 3) 20 feet of 20-inch diameter, stainless steel (Type 304) blank casing (20-ft separation between two screened sections) and 4) 20 feet of 20-inch diameter, stainless steel (Type 304) blank cellar pipe with a bullnose.
 - 9) Install 3-inch diameter, stainless steel (Type 304) gravel feed and sounding tubes to depths of approximately 750 feet bgs and 760 feet bgs, respectively.
 - 10) Install gravel pack from the bottom of the reamed hole up to a depth of approximately 735 feet below ground surface.
 - 11) Place approximately 5 feet of 'transition' sand above the top of the gravel pack.
 - 12) Place approximately 730 feet of cement grout sanitary seal.
 - 13) Develop the well by air-lifting/swabbing and pumping.
 - 14) Provide and install temporary discharge piping for conveying water produced during development and test pumping to a surface spreading location.
 - 15) Install and remove test pump for final development and well performance aquifer testing.
 - 16) Provide for, and assist with, conducting velocity (spinner) survey during step production testing.
 - 17) Provide for, and assist with, conducting an alignment survey of the completed well.
 - 18) Provide for, and assist with, conducting an acceptance video survey of the completed well.
 - 19) Disinfect the well.
 - 20) Provide wellhead completion, pump foundation and permanent pump assembly.
 - 21) Provide temporary discharge piping and energy dissipater(s) for development and test pumping discharges.
 - 22) Clean up the sites.
 - 23) Contain and legally dispose drilling fluids and cuttings offsite.
 - 24) Fulfill all well drilling permit requirements, including the preparation and filing of a Department of Water Resources Well Completion Report.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



The tentative casing schedules for the FP ASR-5 and ASR-6 wells is as follows:

Interval (depth in ft below ground surface)	Material
0 to 760	22-inch diameter, 1/2-inch wall thickness, TYPE 304 STAINLESS STEEL blank casing
760 to 880	20-inch diameter, TYPE 304 STAINLESS STEEL wire-wrapped well screen, with 0.050-inch slots
880 to 900	20-inch diameter, 3/8 wall thickness, TYPE 304 STAINLESS STEEL blank casing
900 to 1080	20-inch diameter, TYPE 304 STAINLESS STEEL wire-wrapped well screen, with 0.050-inch slots
1080 to 1100	20-inch diameter, 3/8 wall thickness, TYPE 304 STAINLESS STEEL blank cellar with bullnose

A depiction of the proposed FP ASR-5 and ASR-6 wells is presented on **Figure 3**. The Contractor is advised that the proposed design of the wells presented above is based on information available at the time of development of these specifications. Although no significant changes are anticipated, the final designs of the wells may be altered based on the conditions at the site as determined through the pilot hole drilling and the new geophysical surveys.

SECTION 107 - OTHER WORK REQUIRED

In addition to the work described in Section 106, the Contractor will be responsible for other work that will be required during the construction of the well.

The Contractor shall contact Underground Services Alert (USA) at least 3 days prior to any drilling or excavation at the site.

The Contractor shall prepare the site in a manner as to provide adequate work space, safe working conditions, site ingress/egress and sufficient containment and storage of drilling cuttings and fluids. The Contractor shall also implement, install, and maintain Best Management Practices (BMPs) for the control of nuisance water and storm water. The BMPs shall be adequate to prevent erosion and runoff of sediment laden water from the work site. During construction, washing of concrete trucks, equipment, or similar activities shall occur only in areas where wash water can be contained on site.

The Fitch Park ASR sites contain numerous trees and shrubs that may need to be removed or trimmed in order to provide sufficient unobstructed space for equipment and materials. Prior to Contractor mobilization, OWNER will retain an arborist to trim or remove trees and/or shrubs, and to identify which plant species require protection during project activities. If required, OWNER will install protective fencing around sensitive plants or trees. It shall be the Contractor's responsibility to avoid protected areas and maintain the protective fencing during the course of the project.



SECTION 203 - CONDUCTOR (SURFACE) CASING

203 - CONDUCTOR (SURFACE) CASING, BID ITEM NO. 3

SCOPE

The Contractor shall furnish all equipment, material, and work necessary to install the surface conductor casing as shown on the Drawings and specified herein. Prior to drilling of the pilot hole, the Contractor shall bore a 42-inch-minimum-diameter hole from ground surface to a depth of 55 feet bgs, or as directed by the OTR, in which a surface conductor casing shall be installed.

MATERIALS

The conductor casing shall be a minimum 36 inches outside-diameter steel pipe having a wall thickness of not less than 0.375-inch (3/8-inch) and a below ground length of not less than 55 feet. Conductor casing shall be manufactured in accordance with ASTM Designation A-139, Grade B, without copper. All joints in the conductor casing shall be securely welded and shall be watertight.

Cement grout shall be composed of not more than 3 cubic feet of sand and 1 cubic foot (one sack) of Portland cement to 5 to 7 gallons (0.67 to 0.90 cubic feet) of clean water. This is typically considered to be a 10-sack Portland cement sand slurry mix when ordered from batching plants. Bentonite, to make the mix more fluid and reduce shrinkage, may be used to a total of 5 percent (5%) of the volume of the cement. If 5 percent bentonite is used, water content can be increased to 8.2 gallons per sack of cement.

PLACEMENT

Prior to drilling the conductor casing holes, the Contractor shall pothole the hole locations prior to installation to ensure no underground utilities will be impacted. During placement of the conductor casing, field joints shall be either collared or plain-end, and welded together. Centering guides shall be welded to the conductor casing with a minimum of two sets of guides (one near the bottom and one near the top). Each set will consist of three guides equally spaced circumferentially.

After the conductor casing has been installed, cement grout shall then be injected in the annular space between the inner casing and the borehole from bottom to top by means of a tremie pipe. Cement grout material shall be placed by the positive displacement pumping method in one continuous operation. Upon completion of cementing, concrete shall be visible above the surface of the ground outside the conductor casing. After cementing operations are completed, the concrete shall be left undisturbed for a period of not less than 12 hours before drilling is resumed.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



MEASUREMENT AND PAYMENT

Full compensation for doing all work and furnishing all materials necessary to manufacture, deliver, and install the 36-inch surface conductor casing as specified shall be included in the unit bid price per linear foot for "Conductor (Surface) Casing" - Bid Item No. 3.



SECTION 208 - WELL CASINGS AND SCREENS

208 - WELL CASINGS AND SCREENS - BID ITEM NOS. 8.1 THROUGH 8.7

SCOPE

The Contractor shall furnish all materials and work necessary to manufacture, deliver, and install well casing, reducers, screens, cellar pipes and caps, tremie pipes and sounding pipes as shown on the drawings and in accordance with these Specifications.

Quantity (Linear Feet)	Item	Bid Item No.
760	22-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CASING	8.1
300	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL WIRE-WRAP WELL SCREEN, 0.050-INCH SLOTS	8.2
20	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CASING	8.3
20	20-INCH-DIAMETER, TYPE 304 STAINLESS STEEL BLANK CELLAR WITH BULLNOSE	8.4
750	3-INCH-DIAMETER, STAINLESS STEEL PERMANENT GRAVEL TUBE	8.5
760	3-INCH-DIAMETER, STAINLESS STEEL PERMANENT SOUNDING TUBE	8.6
3	3-INCH-DIAMETER, TYPE 304 STAINLESS STEEL CASING VENT PIPE	8.7

MATERIALS

22-Inch-Inside-Diameter Stainless Steel Blank Well Casing. The 22-inch diameter blank casing shall be of TYPE 304 stainless steel construction, in accordance with ASTM A-312 or A-778, with minimum 0.5-inch (1/2-inch) wall thickness.

20-Inch-Nominal-Diameter Stainless Steel Wire Wrapped Well Screen. Well screen shall be 20-inch-nominal-diameter stainless steel, TYPE 304. Screen opening width shall be 0.050-inch. The well screen shall be of the continuous slot, welded, wire-wrapped design, and of construction to provide sufficient tensile and collapse strength. Vertical rods shall be 0.25-inch diameter and consist of 84 rods circumferentially (minimum). For the No. 50 slot screen (0.050-inch), the minimum open area requirement is 155 square inches per linear foot. The tolerance for the final slot size selected shall be ± 0.005 inches. It is the Contractor's sole



responsibility to ensure the well screen has sufficient tensile and collapse strength to be assembled, landed, and installed without damage to casing, screen, or borehole.

20-Inch-Nominal-Diameter Stainless Steel Blank Well Casing. The 20-inch diameter blank casing shall be of TYPE 304 stainless steel construction, in accordance with ASTM A-312 or A-778, with minimum 0.375-inch (3/8-inch) wall thickness.

20-Inch-Nominal Diameter Stainless Steel Cellar Pipe and Cap. The stainless steel cellar pipe shall be 20-inch-nominal-diameter in size and 20 feet in length, and manufactured of TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778. The wall thickness shall be minimum 0.375-inches (3/8-inches). The bottom of the well casing shall be fitted with a bullnose plug welded in place.

3-Inch-Inside-Diameter Stainless Steel Gravel Feed Tube. A permanent gravel tremie pipe shall be installed. The tremie pipe will be manufactured of TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778, and extend to a depth of approximately 750 feet bgs, as shown on Figure 3.

3-Inch-Inside-Diameter Stainless Steel Sounding Tube. The sounding tube shall consist of 3-inch-inside-diameter, TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778 and extend to a depth of approximately 760 feet bgs, as shown on Figure 3.

3-Inch-Inside-Diameter Stainless Steel Chlorination Access Pipe. A permanent access pipe shall be installed. The access pipe will be constructed of 3-inch-inside-diameter, TYPE 304 stainless steel pipe in accordance with ASTM standard A-312 or A-778.

Upon completion of reaming the pilot bore, the Contractor shall install the well screen and casing at intervals as determined by the OTR. The proposed well design is shown on Figure 3. The final design will be established upon review of the pilot hole geophysical log.

The casing and screen shall be plumb and shall be centered in the hole. All field joints shall be properly lapwelded during installation with a minimum of two passes per circumference. Centralizers with 120-degree spacing, attached directly to the casing and screen by welding at intervals of not more than 60 feet within the screened casing and at intervals of not more than 80 feet within the blank casing shall be provided in order to center and hold the casing in the proper position until the gravel is in place. The centralizers shall be of the same material used in each casing or screen interval. Casing centralizers shall be placed up to a depth of approximately 80 feet below ground surface.

The casing shall be suspended in tension from the surface by means of an appropriate hanger or clamp. The bottom of the casing shall be at a sufficient distance above the bottom of the reamed hole to ensure that none of the casing will be supported from the bottom of the hole. The use of float plugs to land and set casing will not be permitted.



A construction tremie pipe will be installed to place the gravel pack and the cement grout in the annulus. Prior to final gravel packing operations, the permanent gravel tremie pipe will be installed. The remainder of the gravel will then be installed. The top of the permanent tremie pipe will extend a minimum of 20 inches above ground surface and be equipped with a screw-on cap. The gravel tube shall not be 'topped off' with gravel, but shall be left empty. The Contractor shall ensure that the permanent gravel tube is maintained free and clear through cementing operations by continuously running clear water through the permanent gravel tube during gravel packing and cementing operations.

A permanent sounding pipe will be connected to the casing at the approximate location shown on **Figure 3** and will be lowered simultaneously with the emplacement of the casing. The sounding pipe will be provided with a minimum 6-foot-long reinforced connection (entry box) to the steel casing, as shown on **Figure 4**. The bottom of the entry box shall be between 12 and 24 inches from the bottom of the blank casing joint to which it is attached. The inside joined surfaces of the entry box and casing shall be filled and ground smooth to the satisfaction of the OTR so as to not damage downhole wirelines and associated tools (e.g., video cameras, spinner tools, etc.). Ground surface orientation of the gravel and sounding tubes shall be 90 degrees apart as shown on **Figure 5**. The top of the sounding pipe shall be terminated as shown on **Figure 5**.

A permanent casing vent pipe will be connected to the casing as shown on **Figure 5**.

The top of the casing will be provided with a welded cap at all times when personnel are not on the site.

All casing material shall be new.

If, for any reason, the casing cannot be landed in the correct position or at a depth acceptable to the OTR, or any of the casings should collapse prior to well completion, the Contractor shall construct another well immediately adjacent to the original location and complete this well in accordance with the specifications at no additional cost to OWNER. The abandoned hole shall be sealed in accordance with directions from OWNER and in accordance with any laws pertaining to proper well abandonment.

All work required to be repeated and all additional materials, labor, and equipment required, shall be furnished at the expense of the Contractor and no claim for additional compensation shall be made or be allowed, except as specifically provided herein.

All field welding shall be performed in accordance with American Welding Society Standards by a certified welder.

The following field welding procedures shall apply:

- A length shall be lowered into the well with the collar facing upward.

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



- The plain end of the following length shall be inserted in the collar. True contact of the two joints must be verified by observation through the inspection windows.
- Spot welds shall be placed through the three windows in order to hold the contact position.
- A filet type weld shall be made covering the top edge of the collar continuously for the entire circumference. Two passes or welds shall be applied to 5/16-inch and thicker wall material.
- The inspection windows on blank casing sections shall be seal-welded to assure a leak-proof connection.

The following electrodes shall be utilized for various casing and screen materials.

Mild Steel	E-6011 or E-7018
Copper Bearing Steel	E-6011 or E-7018
Low Alloy Steel (ASTM A242 or equivalent)	E-7018
Stainless Steel (Type 304)	E-308L-16

Depending on wall thickness, the following electrode sizes shall apply:

<u>Wall Thickness</u>	<u>Electrode Size</u>
1/8-inch	1/8-inch
3/16- to 1/4-inch	5/32- to 3/16-inch
over 1/4-inch	3/16- to 1/4-inch

TESTING

Not applicable.

SUBMITTALS

The Contractor shall supply the OTR with an affidavit of compliance stating the casing, screen, pipe and cap comply with the applicable requirements of ASTM Standards. Contractor shall also submit qualifications and evidence of current certification of the welder(s).

MEASUREMENTS

For the purposes of payment, measurements of casing, screen, and pipes, shall be per linear foot.

PAYMENT

Full compensation for doing all work and furnishing all materials necessary to manufacture, deliver, and install well casing and screens as shown on the drawings and as specified shall be included in the unit price bid per linear foot for: 22-Inch-Inside-Diameter

ATTACHMENT C

California American Water
Fitch Park ASR-5 and ASR-6 Wells – Technical Specifications
May 2017



Stainless Steel Blank Casing - Bid Item No. 8.1; 20-Inch-Nominal-Diameter Stainless Steel Wire-Wrapped Well Screen - Bid Item No. 8.2; 20-Inch-Nominal-Diameter Stainless Steel Blank Casing - Bid Item No. 8.3; 20-Inch-Nominal-Diameter Stainless Steel Cellar and Bullnose - Bid Item No. 8.4; 3-Inch-Inside-Diameter Stainless Steel Gravel Tube - Bid Item No. 8.5; 3-Inch-Inside Diameter Stainless Steel Sounding Tube - Bid Item No. 8.6; and 3-Inch-Inside Diameter Stainless Steel Access Pipe - Bid Item No. 8.7.

~~Corrected~~ DPM
MOVED
DBE
Quotes

TO
Section 2
C'

D

LOCAL RESOURCES UTILIZATION PLAN

Zim Industries, Inc. acknowledges the benefit that the local community receives through utilization of local contractors, laborers, and suppliers. Zim Industries, Inc. commits to contract with and utilize local contractors, subcontractors, sub-consultants, vendors, suppliers, and labor forces throughout the performance of this Fitch Park ASR Well 5 and 6 well drilling project Contract. In addition, Zim Industries, Inc. will make a good faith effort to employ qualified individuals in our work force who are, and have been for at least one year out of the three years prior to the opening of the bid proposals, residents of Monterey County, San Benito County, or Santa Cruz County in sufficient numbers so that no less than fifty percent (50%) of our total construction work force, including subcontractor work force (with the exception of specialty subcontractor items), measured in labor hours, is comprised of residents of such counties. In order to comply with this requirement, Zim Industries, Inc. has advertised in Craigslist and the Northern CA Daily Construction as well as contacted a staffing agency located in Salinas, CA to hire local laborers should we be awarded this project. See the attached documentation of these efforts in this section of the Proposal. Zim Industries, Inc. will monitor and report the continued implementation of this Local resources Utilization Plan throughout the performance of this Contract.

Curt Zimmerer

From: Tina Daniel
Sent: Monday, November 12, 2018 11:27 AM
To: Curt Zimmerer; Boyd Zimmerer; Robert Zimmerer
Subject: Proof of advertising for Cal American Water Fitch Park job
Attachments: Craigslist proof of advertising post_11-12-18.pdf; Upcoming Seaside Job

All,
Attached is proof of advertising looking for subcontractors and laborers for the Cal American Water Fitch Park job we are currently bidding. I have advertised in Craigslist as well as reached out to a staffing agency in Salinas that is set up for certified payroll jobs (I believe, waiting on confirmation). Boyd is also placing an ad in the Northern Ca Daily Construction. Attached are the proof of my advertising, which are also saved in the bid folder. If you have any questions or want me to advertise in any additional sources, please let me know.

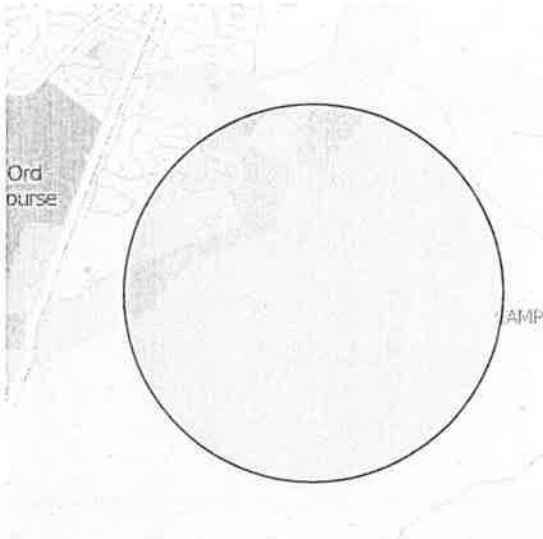
Tina Daniel
Human Resources Manager
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Fax (559) 834-5156
Email: tina@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

CL monterey > jobs > general labor

Contact Information:

Labor Forces for Water Well Drilling Project (Seaside, CA)



compensation: **BOE**

employment type: **full-time**

REQUEST FOR ALL QUALIFIED SUBCONTRACTORS, SUPPLIERS & TRUCKERS INCLUDING WOMEN, MINORITY AND DISABLED VETERAN BUSINESS ENTERPRISES, AS WELL AS LOCAL MONTEREY AREA (MONTEREY COUNTY, SAN BENITO COUNTY, OR SANTA CRUZ COUNTY) SUBCONTRACTORS, SUB-CONSULTANTS, VENDORS, SUPPLIERS, AND LABOR FORCES FOR:

California American Water - Monterey Peninsula Water Supply Project - Construction of Fitch Park ASR Wells 5 and 6 located on former Fort Ord in Seaside, California.

BID DATE: November 15, 2018 NO LATER THAN 3:00 PM PST

Project Description: The Project will consist of mobilization, well drilling and development, temporary pipeline installations, installation of noise control sound barrier, fluid and cuttings containment, furnishing & installing well casing, gravel filter pack, and cement grout seal, well development & testing, disposal of drilling fluids and cuttings, site permits, site cleanup, and other requirements as described in the technical specifications.

Items of Work, including but not limited to: Trucking, Clearing & Grubbing, Construction Area Signs, Stainless Steel well casing & screen, Sand Filter Pack, Cement, Sanitary Facilities, Temporary Fencing, diesel fuel, site grading & leveling, etc.

Disadvantaged Business Enterprises will need to complete and sign the DBE Subcontractor Participation Form (Form 4500-2) and the DBE Subcontractor Performance Form (Form 4500-3)

All items are open for bid, including items of work normally performed by Zim Industries, Inc. Quotes will be broken down into comparable packages as reasonably necessary as Zim Industries, Inc. is willing to work with interested WMDVBE subcontractors to breakout any portion of work that is reasonably feasible to encourage WMDVBE and local hiring participation.

QR Code Link to This Post



Requirements: Performance & Payment Bonds may be required for the full amount of the subcontract price. Subs must possess a valid contractor's license, DIR registration number, and Worker's Compensation, Auto, and Liability insurance as required (see contract documents for all contract requirements). Subs will be required to sign the standard Zim Industries, Inc. Subcontract Agreement. Quotes must be valid for 120 days after the specified Contract Award Date by the Owner.

Plans and Specs: Available for your viewing at our office or can be emailed and/or made available via shared file storage upon request.

Please contact Zim Industries with any questions with bonding, insurance, necessary equipment, and job overview. Please email resumes/employment applications to apply for general laborer positions.

ZIM INDUSTRIES, INC.

4532 E Jefferson Ave.

Fresno, CA 93725

Phone (559) 834-1551

Fax (559) 834-5156

Contact: Tina Daniel

Email: Reply through Craigslist email

An Equal Opportunity Employer

Curt Zimmerer

From: Boyd Zimmerer
Sent: Tuesday, November 13, 2018 8:35 AM
To: Curt Zimmerer; Robert Zimmerer; Tina Daniel
Subject: RE: Northern California Ad - Daily Construction Service - California American Water Fitch Park ASR-5 & ASR-6 Wells
Attachments: Advertising printed in Daily Construction Service on 11-13-18.pdf

Attached is a copy of the ad that was printed in today's Daily Construction Service. A copy is also saved in the electronic bid file for this project.

Boyd Zimmerer
Vice-President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Fax (559) 834-5156
Email: boyd@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

From: Boyd Zimmerer
Sent: Monday, November 12, 2018 11:18 AM
To: 'Viktoria D'Armiento' <vikki.darmiento@cmdgroup.com>
Cc: Curt Zimmerer <curt@zimindustries.com>; Robert Zimmerer <bob@zimindustries.com>; 'Tina Daniel (tina@zimindustries.com)' <tina@zimindustries.com>
Subject: Northern California Ad - Daily Construction Service - California American Water Fitch Park ASR-5 & ASR-6 Wells

Hi Vikki,

As per our discussion earlier, we are looking to run the attached ad in Northern California for the next (3) consecutive days starting tomorrow, Tuesday, November 13, 2018. Please get back to me with proposal and proof.

Thanks again,

Boyd Zimmerer
Vice-President
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
x (559) 834-5156
Email: boyd@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby

notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

REQUEST FOR ALL QUALIFIED SUBCONTRACTORS, SUPPLIERS & TRUCKERS INCLUDING WOMEN, MINORITY AND DISABLED VETERAN BUSINESS ENTERPRISES, AS WELL AS LOCAL MONTEREY AREA (MONTEREY COUNTY, SAN BENITO COUNTY, OR SANTA CRUZ COUNTY) SUBCONTRACTORS, SUB-CONSULTANTS, VENDORS, SUPPLIERS, AND LABOR FORCES FOR:

California American Water –
 Monterey Peninsula Water Supply Project
 Construction of Fitch Park ASR Wells 5 and 6
 located on former Fort Ord in Seaside, CA

BID DATE: NOVEMBER 15, 2018 BY 3:00 PM PST

Project Description: The Project will consist of mobilization, well drilling and development, temporary pipeline installations, installation of noise control sound barrier, fluid and cuttings containment, furnishing & installing well casing, gravel filter pack, and cement grout seal, well development & testing, disposal of drilling fluids and cuttings, site permits, site cleanup, and other requirements as described in the technical specifications.

Items of Work, including but not limited to: Trucking, Clearing & Grubbing, Construction Area Signs, Stainless Steel well casing & screen, Sand Filter Pack, Cement, Sanitary Facilities, Temporary Fencing, diesel fuel, site grading & leveling, etc.

Disadvantaged Business Enterprises will need to complete and sign the DBE Subcontractor Participation Form (Form 4500-2) and the DBE Subcontractor Performance Form (Form 4500-3)

All items are open for bid, including items of work normally performed by Zim Industries, Inc. Quotes will be broken down into comparable packages as reasonably necessary as Zim Industries, Inc. is willing to work with interested WMDVBE subcontractors to breakout any portion of work that is reasonably feasible to encourage WMDVBE and local hiring participation.

Requirements: Performance & Payment Bonds may be required for the full amount of the subcontract price. Subs must possess a valid contractor's license, DIR registration number, and Worker's Compensation, Auto, and Liability Insurance as required (see contract documents for all contract requirements). Subs will be required to sign the standard Zim Industries, Inc. Subcontract Agreement. Quotes must be valid for 120 days after the specified Contract Award Date by the Owner.

Plans and Specs: Available for your viewing at our office or can be emailed and/or made available via shared file storage upon request.

Please contact Zim Industries with any questions with bonding, insurance, necessary equipment, and job overview. Please email resumes/employment applications to apply for general laborer positions.

ZIM INDUSTRIES, INC.

4532 E Jefferson Ave., Fresno, CA 93725
 Phone (559) 834-1551 Fax (559) 834-5156

Contact: Tina Daniel, Email: Tina@zimindustries.com

An Equal Opportunity Employer

TAKE ADVANTAGE OF US

By taking advantage of
 "Today's Opportunities" pages!

To Assist in Reaching Good Faith Goals
 To Advertise for Qualified Sub-Contractors
 To Hire Estimators and Personnel

*Advertisements received by 3:00 P.M. will
 appear in the next day's issue.*

Vikki D' Armiento

(800) 242-9747

Fax: (800) 850-9009

**REQUEST FOR CERTIFIED DVBE
 SUBCONTRACTORS, SUPPLIERS & TRUCKERS
 FOR:**

Install RSP, Polyurethane Foam Injection and
 Drainage Systems
 State of California Department of Transportation
 Caltrans Contract No. 04-0J2104
 Pescadero, CA (San Mateo Co.)

BID DATE: NOVEMBER 15, 2018 AT 2:00 PM

Work types requested, but are not limited to, the following: Clearing and Grubbing, Cold Plane AC Pavement, Construction Area Signs, Construction Materials, Erosion Control, HMA Type A, Lead Compliance Plan, Portable Changeable Message Sign, Prepare WPCP, Rock Slope Protection, Street Sweeping, Striping Work, Structural Concrete, Temporary Erosion Control, Traffic Control System, and Trucking.

Plans and Specifications are available for review at our office, or can be downloaded online at the following website: <http://www.dot.ca.gov/des/oe/weekly-ads/specs-ntb.php?c=04-0J2104>

Call Serina Sirna for assistance in obtaining bonds, line of credit, insurance and scheduling accommodations.

GORDON N. BALL, INC.

Attn: Serina Sirna
 333 Camille Ave., Alamo, CA 94507
 Phone: (925) 838-5675 Fax: (925) 838-0814
estimating@ballconco.com

An Equal Opportunity Employer

Today's Opportunities

ADVERTISING PROOF

DAILY CONSTRUCTION SERVICE®

Construction Market Data

Advertising
P.O. Box 1748, Glen Ellen, CA 95442

Contact: Vikki D'Armiento
800-242-9747 • Fax: 800-850-9009
Vikki.darmiento@cmdgroup.com

REQUEST FOR ALL QUALIFIED SUBCONTRACTORS, SUPPLIERS & TRUCKERS INCLUDING WOMEN, MINORITY AND DISABLED VETERAN BUSINESS ENTERPRISES, AS WELL AS LOCAL MONTEREY AREA (MONTEREY COUNTY, SAN BENITO COUNTY, OR SANTA CRUZ COUNTY) SUBCONTRACTORS, SUB-CONSULTANTS, VENDORS, SUPPLIERS, AND LABOR FORCES FOR:

California American Water –
Monterey Peninsula Water Supply Project
Construction of Fitch Park ASR Wells 5 and 6
located on former Fort Ord in Seaside, CA

BID DATE: NOVEMBER 15, 2018 BY 3:00 PM PST

Project Description: The Project will consist of mobilization, well drilling and development, temporary pipeline installations, installation of noise control sound barrier, fluid and cuttings containment, furnishing & installing well casing, gravel filter pack, and cement grout seal, well development & testing, disposal of drilling fluids and cuttings, site permits, site cleanup, and other requirements as described in the technical specifications.

Items of Work, including but not limited to: Trucking, Clearing & Grubbing, Construction Area Signs, Stainless Steel well casing & screen, Sand Filter Pack, Cement, Sanitary Facilities, Temporary Fencing, diesel fuel, site grading & leveling, etc.

Disadvantaged Business Enterprises will need to complete and sign the DBE Subcontractor Participation Form (Form 4500-2) and the DBE Subcontractor Performance Form (Form 4500-3)

All Items are open for bid, including items of work normally performed by Zim Industries, Inc. Quotes will be broken down into comparable packages as reasonably necessary as Zim Industries, Inc. is willing to work with interested WMDVBE subcontractors to breakout any portion of work that is reasonably feasible to encourage WMDVBE and local hiring participation.

Requirements: Performance & Payment Bonds may be required for the full amount of the subcontract price. Subs must possess a valid contractor's license, DIR registration number, and Worker's Compensation, Auto, and Liability Insurance as required (see contract documents for all contract requirements). Subs will be required to sign the standard Zim Industries, Inc. Subcontract Agreement. Quotes must be valid for 120 days after the specified Contract Award Date by the Owner.

Plans and Specs: Available for your viewing at our office or can be emailed and/or made available via shared file storage upon request.

Please contact Zim Industries with any questions with bonding, insurance, necessary equipment, and job overview. Please email resumes/employment applications to apply for general laborer positions.

ZIM INDUSTRIES, INC.

4532 E Jefferson Ave., Fresno, CA 93725
Phone (559) 834-1551 Fax (559) 834-5156

Contact: Tina Daniel, Email: Tina@zimindustries.com

An Equal Opportunity Employer

CLIENT: ZIM Industries, Inc.

To : Boyd Z.

SIZE: 9" ad x 3 Days = 27"

Run Dates: 11/13, 14, 15 2018

RATE: \$331.00

TERMS: Net 30 days from Invoice Date.

SPECIAL INSTRUCTIONS:

APPROVAL: Please publish the attached advertisement in Daily Construction Service, Northern California Edition, per terms and conditions above. I have reviewed the ad copy and have marked any necessary corrections.

OK?

Signed: 

Date: 11/12/18

Tina Daniel

From: 1555 - Branch <1555-BR@PeopleReady.com>
Sent: Tuesday, November 13, 2018 8:40 AM
To: Tina Daniel
Subject: Re: Upcoming Seaside Job

Follow Up Flag: Follow up
Flag Status: Flagged

Hello Tina,

Yes, we are able to run certified payroll and can help provide staffing for your on this upcoming project. As far as pricing that would be a little harder to as I would need the California Prevailing Wage Determination sheet from you confirming which classification and pay rates the associates will need to be listed under, which if you can provide to me I can get you quotes ASAP. As you would like to interview these associates and have some specific qualifications we would need at least a week lead time to ensure that we can get everything in order and ready to go.

Please let me know if you have any other questions and I will respond promptly.

Thanks and have a great day!

Best,
Rebecca Santana
Branch Manager
Rebecca Santana & Laura Montes & Alex Vazquez
Branch 1555 | People Ready, Inc.
1103 N. Main St., Salinas, CA 93906
(O) 831-755-1555
(F) 831-755-1572
1555-br@peopleready.com

From: Tina Daniel <tina@zimindustries.com>
Sent: Monday, November 12, 2018 11:23 AM
To: 1555 - Branch
Subject: Upcoming Seaside Job

Hi,
I have worked with your office in the past and am hoping you can help me out with an upcoming job we are currently bidding that is in the Seaside area. If we are awarded the job we are required to use local Monterey area employees to staff portions of the job. This is a prevailing wage job, which I believe your office is set up to run certified payroll through your office if we staff with your employees (they would remain as People ready employees and not Zim direct hires), however, please confirm you can still provide temp employees and run certified payroll for them? That being said, please respond and let me know if you could provide employees with the following skill sets that would be ready to start approximately in December 2018. We are looking for truck drivers, driller helpers, general construction laborers. See attached ad for more details. Because these labors would be operating Zim equipment they would be required to meet Zim insurance requirements, which means no DUI's/hit and runs or other serious offenses on their DMV record in past 5 years AND cannot have 3 or more current points on their record and must be at least 25 years old.

Please provide me the general hourly rate (I know there is a premium built into rate since you have to complete certified payroll) for these positions and confirm that you can or cannot provide us with these types of employees. Additionally, please provide me an estimate of how much lead time you would need to provide us with these employees once we are confirmed that we will need them. Please note, we will want to interview employees before bringing them on as temp employees.

Thank you for your help and please give me a call if you have any further questions.

Tina Daniel
Human Resources Manager
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Fax (559) 834-5156
Email: tina@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.

Curt Zimmerer

From: Tina Daniel
Sent: Monday, November 12, 2018 11:25 AM
To: '1555-br@peopleready.com'
Subject: Upcoming Seaside Job
Attachments: Ad-Request for DBE Subcontractors and Suppliers 11-12-18.docx

Hi,

I have worked with your office in the past and am hoping you can help me out with an upcoming job we are currently bidding that is in the Seaside area. If we are awarded the job we are required to use local Monterey area employees to staff portions of the job. This is a prevailing wage job, which I believe your office is set up to run certified payroll through your office if we staff with your employees (they would remain as People ready employees and not Zim direct hires), however, please confirm you can still provide temp employees and run certified payroll for them? That being said, please respond and let me know if you could provide employees with the following skill sets that would be ready to start approximately in December 2018. We are looking for truck drivers, driller helpers, general construction laborers. See attached ad for more details. Because these labors would be operating Zim equipment they would be required to meet Zim insurance requirements, which means no DUI's/hit and runs or other serious offenses on their DMV record in past 5 years AND cannot have 3 or more current points on their record and must be at least 25 years old.

Please provide me the general hourly rate (I know there is a premium built into rate since you have to complete certified payroll) for these positions and confirm that you can or cannot provide us with these types of employees. Additionally, please provide me an estimate of how much lead time you would need to provide us with these employees once we are confirmed that we will need them. Please note, we will want to interview employees before bringing them on as temp employees.

Thank you for your help and please give me a call if you have any further questions.

Tina Daniel
Human Resources Manager
Zim Industries, Inc.
4532 E Jefferson Ave.
Fresno, CA 93725
Phone (559) 834-1551
Fax (559) 834-5156
Email: tina@zimindustries.com

The information contained in this electronic transmission is intended only for the personal and confidential use of the designated addressee indicated, and is intended to be privileged and/or confidential. If the reader of this electronic transmission is not the intended recipient or addressee, you are hereby notified that you have received this electronic transmission in error, and that any review, dissemination, distribution or copying of this electronic transmission or any of the information contained herein, in any manner whatsoever, is strictly prohibited. If you receive this electronic transmission in error, please notify the sender immediately. Thank you.



ZIM INDUSTRIES, INC.

REQUEST FOR ALL QUALIFIED SUBCONTRACTORS, SUPPLIERS & TRUCKERS INCLUDING WOMEN, MINORITY AND DISABLED VETERAN BUSINESS ENTERPRISES, AS WELL AS LOCAL MONTEREY AREA (MONTEREY COUNTY, SAN BENITO COUNTY, OR SANTA CRUZ COUNTY) SUBCONTRACTORS, SUB-CONSULTANTS, VENDORS, SUPPLIERS, AND LABOR FORCES FOR:

California American Water – Monterey Peninsula Water Supply Project – Construction of Fitch Park ASR Wells 5 and 6 located on former Fort Ord in Seaside, California.

BID DATE: November 15, 2018 NO LATER THAN 3:00 PM PST

Project Description: The Project will consist of mobilization, well drilling and development, temporary pipeline installations, installation of noise control sound barrier, fluid and cuttings containment, furnishing & installing well casing, gravel filter pack, and cement grout seal, well development & testing, disposal of drilling fluids and cuttings, site permits, site cleanup, and other requirements as described in the technical specifications.

Items of Work, including but not limited to: Trucking, Clearing & Grubbing, Construction Area Signs, Stainless Steel well casing & screen, Sand Filter Pack, Cement, Sanitary Facilities, Temporary Fencing, diesel fuel, site grading & leveling, etc.

Disadvantaged Business Enterprises will need to complete and sign the *DBE Subcontractor Participation Form* (Form 4500-2) and the *DBE Subcontractor Performance Form* (Form 4500-3)

All items are open for bid, including items of work normally performed by Zim Industries, Inc. Quotes will be broken down into comparable packages as reasonably necessary as Zim Industries, Inc. is willing to work with interested WMDVBE subcontractors to breakout any portion of work that is reasonably feasible to encourage WMDVBE and local hiring participation.

Requirements: Performance & Payment Bonds may be required for the full amount of the subcontract price. Subs must possess a valid contractor's license, DIR registration number, and Worker's Compensation, Auto, and Liability Insurance as required (see contract documents for all contract requirements). Subs will be required to sign the standard Zim Industries, Inc. Subcontract Agreement. Quotes must be valid for 120 days after the specified Contract Award Date by the Owner.

Plans and Specs: Available for your viewing at our office or can be emailed and/or made available via shared file storage upon request.

Please contact Zim Industries with any questions with bonding, insurance, necessary equipment, and job overview. Please email resumes/employment applications to apply for general laborer positions.

ZIM INDUSTRIES, INC.

4532 E Jefferson Ave.

Fresno, CA 93725

Phone (559) 834-1551

Fax (559) 834-5156

Contact: Tina Daniel

Email: Tina@zimindustries.com

An Equal Opportunity Employer

