

**MONTEREY PENINSULA WATER
SUPPLY PROJECT**

REQUEST FOR PROPOSALS

FOR THE

CONSTRUCTION OF CONVEYANCE FACILITIES

Issue Date: August 17, 2015

Due Date: November 2, 2015

ADDENDUM NO. 1

September 18, 2015



**CALIFORNIA
AMERICAN WATER**

Pacific Grove, California

Section 1. Questions and Answers. Questions that have been received from pre-qualified respondents and California American Water’s answers to those questions are attached hereto as Exhibit A.

Section 2. Revised Request for Proposals. The Monterey Peninsula Water Supply Project Request for Proposals for the Construction of Conveyance Facilities is hereby revised as follows:

LOCATION	CHANGE																																				
Title Page	<u>REPLACE:</u> “Due Date: October 16, 2015” <u>WITH:</u> “Due Date: November 2, 2015”																																				
Section 1 - Introduction	Page 1-5, Section 1.3, Proposal Submittal, first sentence <u>REPLACE:</u> “NO LATER THAN 3:00 P.M., PACIFIC DAYLIGHT TIME (“PDT”), ON OCTOBER 16, 2015” <u>WITH:</u> “NO LATER THAN 3:00 P.M., PACIFIC STANDARD TIME (“PST”), ON NOVEMBER 2, 2015”																																				
Section 2 – General Information	Page 2-5, Section 2.3.3, Other Non-Project MPWSP Components, Table <u>REPLACE:</u> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th style="text-align: center;"><u>Start</u></th> <th style="text-align: center;"><u>Finish</u></th> </tr> </thead> <tbody> <tr> <td>MPWSP PROJECT</td> <td style="text-align: center;">4/23/2012</td> <td style="text-align: center;">4/30/2019</td> </tr> <tr> <td>File Application with CPUC</td> <td style="text-align: center;">4/23/2012</td> <td style="text-align: center;">Complete</td> </tr> <tr> <td>Permitting</td> <td style="text-align: center;">4/23/2012</td> <td style="text-align: center;">Q1 2017</td> </tr> <tr> <td>Design</td> <td style="text-align: center;">3/25/2013</td> <td style="text-align: center;">Q3 2016 – Q1 2017</td> </tr> <tr> <td>CPUC Approval</td> <td style="text-align: center;">4/23/2012</td> <td style="text-align: center;">Q3 2016</td> </tr> <tr> <td>Coastal Commission Approval</td> <td style="text-align: center;">4/23/2012</td> <td style="text-align: center;">Q1 2017</td> </tr> <tr> <td>Feedwater Test Slant Well</td> <td style="text-align: center;">4/23/2012</td> <td style="text-align: center;">Complete</td> </tr> <tr> <td>Desalination Plant Procurement</td> <td style="text-align: center;">2012</td> <td style="text-align: center;">Complete</td> </tr> <tr> <td>Conveyance Facilities Procurement</td> <td style="text-align: center;">2015</td> <td style="text-align: center;">Q4 2015</td> </tr> <tr> <td>Slant Well Driller Procurement</td> <td style="text-align: center;">Q3 2015</td> <td style="text-align: center;">Q4 2015</td> </tr> <tr> <td>Construction / Startup / Operation</td> <td style="text-align: center;">Q2 2017</td> <td style="text-align: center;">Q4 2018 – Q2 2019</td> </tr> </tbody> </table>		<u>Start</u>	<u>Finish</u>	MPWSP PROJECT	4/23/2012	4/30/2019	File Application with CPUC	4/23/2012	Complete	Permitting	4/23/2012	Q1 2017	Design	3/25/2013	Q3 2016 – Q1 2017	CPUC Approval	4/23/2012	Q3 2016	Coastal Commission Approval	4/23/2012	Q1 2017	Feedwater Test Slant Well	4/23/2012	Complete	Desalination Plant Procurement	2012	Complete	Conveyance Facilities Procurement	2015	Q4 2015	Slant Well Driller Procurement	Q3 2015	Q4 2015	Construction / Startup / Operation	Q2 2017	Q4 2018 – Q2 2019
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Section 4 – Proposal Requirements	<p>Page 4-3, Section 4.3.1, Proposal Deadline, third paragraph, second sentence: REPLACE: “on or before 3:00 P.M. PDT on October 16, 2015” WITH: “on or before 3:00 P.M. PST on November 2, 2015”</p>																				

Section 3. Revised Drawings and Specifications. Certain Drawings and Specifications have been revised. Please refer to Exhibits B and C attached hereto. All revised Drawings and Specifications will be posted and available for review on the MPWSP Website (www.watersupplyproject.org).

-END-

Exhibit A to Addendum No. 1

Questions and Answers

No.	Question and Answer
1.	<p>Question: It appears that the “Jack & Bore Crossings” document, included with the “Special Reports”, is actually an overview of the project pipeline alignments. Was this your intent? Please clarify.</p>
	<p>Answer: Apparently there was an error with the URL link. Please try viewing the document again.</p>
2.	<p>Question: The “Valve Table” drawing, which is the last sheet in each of the pipeline drawing packages, directs us to “Detail Sheets” for the valves, blowoffs, manholes, etc. The sheet numbers are 0000M10 through 0000M16. I can’t seem to locate these drawing sheets, can you point me in the right direction please.</p>
	<p>Answer: Drawing sheet numbers 0000M10 through 0000M16 can be accessed on the MPWSP website, www.watersupplyproject.org, via the Pipeline Details link which can be found under the Drawings heading located in the Documents/Procurement tab.</p>
3.	<p>Question: Specification Section 01025: Measurement and Payment. The description of work for Bid Items 47, 48, and 49 appears to be incorrect. Please clarify.</p>
	<p>Answer: Specification Section 01025: Measurement and Payment for Transmission Mains and Terminal Reservoir has been revised. See Exhibit B attached to Addendum No. 1.</p>
4.	<p>Question: RFP Section 4.4.4.B states that “The Proposer may complete and submit one or more of the seven bid packages... ..”</p> <p>(a) If a proposal is submitted for all seven Bid Packages, will evaluation and selection for negotiation be based on the entire proposal, as submitted, or does CAW have the option of “breaking apart” the proposal and selecting individual Bid Package(s)?</p> <p>(b) If CAW has the option of “breaking apart” a proposal into individual Bid Packages, how does the Proposer protect themselves when it comes to overhead items which may have been spread to Bid Packages which are not selected? For example, some members of the Contractor’s project management team will be on site for the duration of the project (15, 18 or 24 months). This will still be the case if the Proposer is selected for only three, or only five Bid Packages, yet part of the cost for this and many other overhead items are spread throughout all seven of the Bid Packages.</p>

No.	Question and Answer
	<p>Answer:</p> <p>(a) California American Water may award a portion of the Bid Packages submitted by a Proposer to such Proposer.</p> <p>(b) California American Water will add a separate bid item for overhead which will be issued in a forthcoming addendum.</p>
5.	<p>Question: I cannot find any direction for items such as pipe wall thickness and joint restraint. Is it the Contractor's responsibility to design these elements of the various pipelines?</p>
	<p>Answer: Steel pipe thickness dimensions and restraint requirements can be found in the revised Pipeline Details drawings, Sheet M01. See Section 3 of Addendum No. 1.</p>
6.	<p>Question: In Section / Page 4-4 a "Preliminary Proposed Staging Plan (11x17)" is requested. Exactly what information are you looking for on this Plan, calendar type dates, traffic planning stages, location of office/staging areas? Would you please clarify?</p>
	<p>Answer: Please identify the general geographic areas where staging is desired.</p>
7.	<p>Question: Section 3.6 communication Protocol page 3-4, Does the Owner have a standard format or template for Proposer's questions?</p>
	<p>Answer: No.</p>
8.	<p>Question: Section 2.8.2 Proposed Changes to the draft Contract. This section allows Proposers to condition their proposals on particular changes to the draft Contract. Does this refer to the Agreement or all Contract Documents as defined on GC-1 and GC-2 respectively?</p>
	<p>Answer: This refers to the Agreement and General Conditions. Refer to RFP section 2.8.2.</p>
9.	<p>Question: Proposal form PF-10 - . For each bid package the proposer is to provide a 15, 18, and 24 month bid package (4.4.4 B. Page 4-10) Does the proposer submit 3 Pf-10 forms for each bid package?</p>
	<p>Answer: No. See Answer to Question No. 10.</p>

No.	Question and Answer
10.	<p>Question: If the proposer is submitting bids on multiple packages, for example 5 packages. Please confirm the proposer only submits one overall schedule or one 15 month, 18 month and 24 month schedule. Not five 15 month, 18 month and 24 month schedules.</p>
	<p>Answer: Correct. With respect to Proposal Form 10, Proposers should submit a total of three preliminary Project schedules – one for the 15-month schedule, one for the 18-month schedule, and one for the 24-month schedule. Each of the three schedules should cover all submitted bid packages. Proposers should also submit three corresponding versions of Table 10-1 (one Table 10-1 for each schedule).</p>
11.	<p>Question: Several plan sets are not 100% stamped drawings. Are the proposers to furnish budgets for these plans sets to be negotiated at a later date?</p>
	<p>Answer: Proposers should base their Proposals on the drawings available at the time of Proposal submittal. Currently all drawings are at 100% except for the pump stations. See Section 3 of Addendum No. 1.</p>
12.	<p>Question: Schedule of Values allows for one type of pipe per package. Will Cal-Am look unfavorably towards different type of pipe in one package? In acceptable to use multiple source materials, how should the contractor represent our intensions?</p>
	<p>Answer: Proposers should include one type of pipe per package.</p>
13.	<p>Question:</p> <p>(a) Due to the size and complexity of the MPWSP project, we request a postponement of the bid date by a minimum of three weeks. We would greatly appreciate a response to this request as soon as possible to avoid the overtime and weekend work that will be necessary if the request is denied. Additionally, we ask that the cut-off date for questions, which is currently September 15, 2015, be extended to a date two weeks prior to the bid.</p> <p>(b) We would like to formally request a two week time extension to the proposed bid date of October 16th, 2015. Based on the information that was presented at yesterday’s pre-bid meeting and the upcoming addendums with 100% drawings for a couple of the segments, we feel that the additional time is really needed to provide a detailed and complete proposal for a complex project. In addition, it was mentioned yesterday at the pre-bid meeting that the cutoff for questions would be September 15th, 2015. We would like to see if that date could also be extended two weeks so that we have a sufficient amount of time to review the addendums along with final bid set drawings and be able to send in questions if needed.</p>

No.	Question and Answer
	<p>(c) This seven package project will require significant take-off, estimating and a complete technical proposal including multiple schedules. Cal Am would benefit by extending the bid date on the project to allow all proposers additional time to create best value packages. We request that Cal Am extend the bid date on this project to November 20th, 2015.</p>
	<p>(d) Due to the amount of information contained in the RFP coupled with the complexity of the bid can you please extend the date for submission of RFI's by 2 weeks?</p>
	<p>Answer: California American Water has revised the RFP Procurement Process Schedule in Addendum No. 1. Please refer to the revised table.</p>
14.	<p>Question: We are interested in performing pot-hole work along the project limits. Please provide the procedures you would like us to follow to coordinate this work with the relevant agencies.</p>
	<p>Answer: California American Water will not be providing any such procedures and will not be involved with any Proposer requests to local agencies or the Presidio for permission to pot-hole. Proposers should refer to Sections 2.6.4 and 2.6.5 of the RFP regarding geotechnical testing and environmental site conditions as well the draft Contract, including Article 4 of the draft General Conditions.</p>
15.	<p>Question: We would like to walk the project limits and possibly perform pot-holing through the Presidio. Please provide the procedure you would like us to follow to gain access to the project site.</p>
	<p>Answer: Please refer to Answer to Question No. 14.</p>
16.	<p>Question: On 9/3 the proposers expressed concern about the unknown requirements dealing with the affected agencies on the project. During the mandatory pre bid meeting on 9/3 Cal Am stated they may provide an allowance for approvals/encroachment permits for the many agencies involved. Cal Am also suggested they may provide a "basis to bid on" (i.e. work hours etc). Please clarify how this will be done on the project.</p>
	<p>Answer: California American Water will provide an allowance bid item for this purpose which will be issued in a forthcoming Addendum.</p>
17.	<p>Question: When will Exhibit D – WMDVBE & local resource utilization plan document be added?</p>

No.	Question and Answer
	<p>Answer: Proposers are responsible for creating their own plans. Examples of plans can be found within the Proposals submitted for the Desalination Infrastructure RFP which are posted on the MPWSP Website (http://www.watersupplyproject.org/#!/procure-archive/c176v).</p>
18.	<p>Question: Current bid forms have a price for each individual project but there is no provisions to allow for Cal Am to take advantage of award of multiple projects to one contractor. How is contractor to present a cost savings to Cal Am should multiple projects be awarded to a single contractor?</p>
	<p>Answer: Please refer to Answer to Question No. 4.</p>
19.	<p>Question: Will Cal Am consider electronic submission of bid in lieu of hard copies?</p>
	<p>Answer: No.</p>
20.	<p>Question: Drawing 0000C51, Detail B calls for “CDF Structural Backfill”. Was it your intent to require CDF all the way to the surface or should the top 3’ be a different material?</p>
	<p>Answer: The CDF Structural Backfill only goes to 1 foot above the top of the pipe. Follow the requirements for the Detail “For DI, Steel and PVC pipe” of Detail B for the top 3 feet.</p>
21.	<p>Question: Drawing 0000C51, Note 1 states: If one of the pipe is treated (drinking) water, it shall be placed in a separate trench from non-potable pipes. Drawing 0000C51, Details A & B and Drawing 0000C83, Detail A, show the 8” Cemex water line in a joint trench with the 36” Transfer Pipeline. Is the 8” potable water? Please clarify.</p>
	<p>Answer: For Drawing 00000C83, Detail A, the 8-inch Cemex water line is a potable water line.</p>
22.	<p>Question: Transfer Pipeline approximate station 41+00 to 66+00. May a joint trench be used for the 36” Transfer Pipeline and 16” ASR Pipeline?</p>
	<p>Answer: Yes, a joint trench may be used for the 36-inch Transfer and 16-inch ASR Extension Pipeline.</p>
23.	<p>Question: Drawing 3003C13, Table 1 says that trench and paving specifications for The Presidio of Monterey are located in Appendix F. I cannot find any details in Appendix F for the Presidio of Monterey. Please clarify.</p>

No.	Question and Answer
	Answer: Please follow the City of Monterey trench and paving specifications for the Presidio of Monterey. A copy can be found in Appendix F.
24.	Question: Please confirm that we are to use the trench and paving specifications for the City of Seaside for work located in the Fort Ord Reuse Authority and the Fort Ord Military Community.
	Answer: Confirmed.
25.	Question: Are there any pipelines located in areas governed by the trench and paving specifications of the City of Marina or the County of Monterey?
	Answer: Yes.
26.	Question: Please confirm that the Transfer Pipeline between 282+55 and 287+45 will be governed by Drawing 0000C50, Detail C.
	Answer: This location is mostly governed by the City of Marina trench and paving specifications which can be found in Appendix F. Drawing 0000C50, Detail C applies to the section where the pipe crosses the Monterey Recreational Bike Trail.
27.	Question: Per 2.63, project site access, we have been instructed not to enter any private property and private roadways. Also as discussed in our conference, we were not allowed on the Presidio to view the project. In fact the guard at the gate specifically requests to be accompanied by a “sponsor”. According to this paragraph, we can request access to these areas by written request for an optional hosted tour. Can you propose a tour date that we can explore the areas that we have not been allowed to visit on our own?
	Answer: No. California American Water will not be offering a tour.
28.	Question: In section 2.7.2 on page 2-7 of the RFP there is a requirement for the Contractor to be PICS certified before start of construction. What are the minimum requirements that PICS will be imposing on behalf of Cal Water?
	Answer: California American Water will discuss PICS certification with the selected Proposer(s).
29.	Question: In the General Conditions under 5.04.C.6, you are requiring Pollution Liability and Professional Liability and require all of the insurers to be licensed in the state where work is performed. These coverages are normally written by Non-Admitted insurers who are not licensed in the state, but are “authorized to transact” in the state by

No.	Question and Answer
	the Department of Insurance. Please change the allowance of out of state insurers.
	Answer: California American Water will consider revising the draft Contract to allow the Contractor to request Owner approval of a professional liability carrier that is not licensed in the state of California. Other carriers must be licensed in California.
30.	Question: In the General Conditions under 5.06, it allows us to obtain a copy of the Owner's Builder's Risk from your Risk Manager. Please provide a copy.
	Answer: Section 5.06 of the draft General Conditions does not allow Proposers to receive a copy of the builder's risk policy. Proposers may, however, submit questions regarding the policy to California American Water in lieu of a Proposer contacting the Risk Management Director.
31.	Question: During the meeting, it was discussed that all plans for pipelines and the tanks will be at 100% design, while the pump stations will remain at 30%. Is it the intent that MPWSP will finalize the pump station design? Or is the design being placed on the contractor?
	Answer: California American Water intends to finalize the pump station design after Contract execution.
32.	Question: The insurance requirements include \$5MM of Professional Liability. What professional services will be required for this contract?
	Answer: Please refer to page 01010-3, Section 1.04 of the Technical Specifications for the Transmission Mains.
33.	Question: During the meeting, the anticipated schedule presented had changed from the schedule presented in the SOQ. Can the newest schedule be forwarded?
	Answer: Please refer to Section 2 of Addendum No. 1.
34.	Question: Has the engineer estimate been revised or modified as the design is progressing? At present, what is the estimated value for the construction of this project (excluding any design fees or other items that are not part of the contractor's responsibility for construction of the MPWSP)?
	Answer: This information will not be shared with Proposers.

-END-

Exhibit B to Addendum No. 1

Revised Specification Section 01025: Measurement and Payment
Transmission Mains and Terminal Reservoir

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. This Section includes requirements for measurement and payment as they apply to the Work.
- B. This Work is the construction of the following new pipelines for the Monterey Peninsula Water Supply Project:

Bid Package	Project Title
1	Feed Water Pipeline
2	Brine Line and Salinas Valley Return Line
3	Transfer Pipeline
4	ASR Extension Pipelines
5	Monterey Pipeline

- C. Measurement methods specified in the individual Sections of these Specifications shall govern if different from the methods specified herein.

1.02 MEASUREMENT OF QUANTITIES

- A. Measurement Standards: All Work to be paid for at a Contract price per unit of measurement will be measured by the Owner in accordance with United States Standard Measures.
- B. Measurement by Area: Measurement by area will be by the square dimension listed or indicated in the Schedule of Quantities and Prices.
- C. Linear Measurement: Linear Measurement will be by the linear dimension listed or indicated in the Schedule of Quantities and Prices. Unless otherwise indicated, items, components, or work to be measured will be measured at the centerline of the item in place.
- D. Lump-Sum Measurement:
 - 1. Lump-sum measurement will be for the entire item, unit of work, structure, or combination thereof, as specified and as listed or indicated in the Schedule of Quantities and Prices with pay limits for the item of work shown on the Plans.
 - 2. If Contractor requests progress payments for lump-sum items or amounts in the Schedule of Quantities and Prices, such progress payments will be made in

accordance with a well-balanced, detailed program of payment-apportioning, prepared by Contractor and submitted to the Owner for approval.

3. Such program for each applicable lump-sum item shall show fixed measurable quantities where possible and unit prices therefore as allocated by Contractor to the different features of the Work and major subdivisions thereof. The summation of extensions of quantities and unit prices and related costs shall equal the amount of the lump sum bid item indicated in the Schedule of Quantities and Prices.

1.03 ALLOWANCES

- A. All Allowance Work shall be directed by the Owner or Engineer to the Contractor in writing prior to the start of work. The work shall be billed by time and materials and shall not exceed the total approved by the Owner.
- B. Allowances specified in the Contract Documents shall cause the work so covered to be furnished and performed for such sums as acceptable to the Owner and shall include the cost to Contractor, less any applicable trade discounts, of materials and equipment to be delivered and installed.
- C. Contractor's costs for unloading, handling, labor, installation costs, overhead, profit and other expenses contemplated shall not be deducted from the Allowance but shall be included in the Contract Price.

1.04 SCOPE OF PAYMENT

- A. The contract lump sum and unit prices paid for the various items and classifications of work shall include full compensation for furnishing all labor, materials, tools, equipment, transportation, services, and incidentals as specified in GC-56, "Compensation," and for performing all work necessary for completing the construction or installation of the item or work classification, unless stated otherwise.

1.05 MEASUREMENT AND PAYMENT

- A. Costs for conforming to the provisions of this section will receive no separate payment from the Owner, and the Contractor is presumed to have allocated such costs to the pay items deemed most appropriate.
- B. Contractor administrative costs for performing work in this contract will receive no separate payment from the Owner, and the Contractor is presumed to have allocated such costs to the pay items deemed most appropriate.

1.06 BID ITEM DESCRIPTIONS

A. Bid Item No. 1 – Preconstruction Activities (ALLOWANCE)

1. Payment for addressing preconstruction activities as directed by the OWNER. The CONTRACTOR shall assist the OWNER and ENGINEER with construction planning activities and coordination meetings with project stakeholders including but not limited to coordination, planning, resource development (local utilization, WMDVBE), and permitting activities necessary to start construction but prior to notice to proceed.
2. Measurement shall be in accordance with the requirements for allowance type work.

B. Bid Item No. 2 – Community Outreach (ALLOWANCE)

1. Payment for addressing community outreach activities as directed by the Owner. The Contractor shall assist the Owner and Engineer with community outreach activities including but not limited to meeting attendance, presentations and discussions of construction activities and methods; information development including printed materials and electronic materials suitable for publishing on the project website.
2. Measurement shall be in accordance with the requirements for allowance type work.

C. Bid Item No. 3 – Mobilization/Demobilization

1. The contract lump sum price paid for mobilization shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, for doing all the work involved in mobilization, demobilization, and setting up the Engineer's field trailer, complete in place, as shown on the Plans, and as specified in these technical specifications.
2. Payments for mobilization will be made as follows:
 - a. When the monthly partial payment estimate of the amount earned, not including the amount earned for mobilization, is 5 percent or more of the original Contract amount, 50 percent of the contract item price for mobilization or 5 percent of the original Contract amount, whichever is the lesser, will be included in said estimate for payment.
 - b. When the monthly partial payment estimate of the amount earned, not including the amount earned for mobilization, is 10 percent or more of the original Contract amount, the total amount earned for mobilization shall be 75 percent of the contract item price for mobilization or 7.5 percent of

the original Contract amount, whichever is the lesser, will be included in said estimate for payment.

- c. When the monthly partial payment estimate of the amount earned, not including the amount earned for mobilization, is 20 percent or more of the original Contract amount, the total amount earned for mobilization shall be 95 percent of the contract item price for mobilization or 9.5 percent of the original Contract amount, whichever is the lesser, will be included in said estimate for payment.
- d. When the monthly partial payment estimate of the amount earned, not including the amount earned for mobilization, is 50 percent or more of the original Contract amount, the total amount earned for mobilization shall be 100 percent of the contract item price for mobilization or 10 percent of the original Contract amount, whichever is the lesser, will be included in said estimate for payment.
- e. After acceptance of the contract, the amount, if any, of the contract item price for mobilization in excess of 10 percent of the original contract amount will be included for payment of the final estimate.
- f. Payment for demobilization will follow Final Completion and is assumed to be no more than 10% of the amount for mobilization. .

D. Bid Item No. 4 – Environmental Requirements and Restoration

- 1. Payment for addressing site specific environmental requirements and/or restoration as described in Section 01062 Environmental Requirements.
- 2. Payment for this item shall be made at the contract unit price of Lump Sum.

E. Bid Item No. 5 – Safety and Environmental Exclusion Fencing

- 1. Payment for installing the Exclusion Fencing, Payment for this item of work will be full compensation for furnishing all materials, tools, labor, and equipment necessary for installing and maintaining the fence. Once the Owner has determined that the exclusion fence in an area is no longer needed, it may be removed and reused if it is in suitable condition acceptable to the Owner. The Owner will only pay once for installing exclusion fencing at a location, unless it is for the purpose of change order work where the fencing had been previously removed.
- 2. Payment for this item shall be made at the contract unit price for each linear foot of exclusion fencing installed.

F. Bid Item No. 6 – SWPPP/Erosion Control

1. Payment for all materials, tools, labor, and equipment necessary for development and execution of a storm water pollution prevention plan and erosion control activities per Sections 01561 and 02270.
2. Payment for this item shall be made at the contract unit price of Lump Sum.

G. Bid Item No. 7 – Utility Potholing

1. Payment for locating, potholing, and if necessary backfilling and/or plating over the existing underground utilities as shown on the Plans or identified by USA markings. Payment for this item of work will be full compensation for furnishing all materials, tools, labor, and equipment necessary for potholing including but not limited to location and protection of the utility, excavation, traffic control, backfill and compaction, and restoration of grade, pavement, curbs, gutters, sidewalks, and landscaped areas. Backfilling potholes along the trench is included in the Pipeline Installation.
2. Payment for this item shall be made at the contract unit price for each utility “main” requiring a pothole for installing the pipeline. Potholing for utility laterals is NOT included in this bid item and is included in the bid item for Pipeline Installation.

H. Bid Item No. 8 - Staking/Surveying/As-Builts Drawings

1. Payment for staking and surveying will be measured as a lump sum for all surveying and staking requirements, full compensation for furnishing all materials, tools, labor, and equipment necessary.
2. Payment for Staking and Surveying shall consist of:
 - a. Establishing or reestablishing the project centerline, invert of existing utilities, and top of pipeline.
 - b. Referencing or re-referencing all necessary control points.
 - c. Running a circuit of bench levels to check or reestablish plan benchmarks.
 - d. Setting other benchmarks as needed.
 - e. Staking right-of-way or re-staking right-of-way where needed if it has been previously staked and performing all construction layout and reference staking necessary for the proper control and satisfactory completion of all structures, grading, paving, drainage, and all other

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appurtenances required for the completion of the construction work and acceptance of the project.

3. Contractor shall provide as-built drawings of all constructed improvements with surveyed coordinate locations for all pipeline features and appurtenances including bends, valves, CAVs, blow offs, etc.
4. Payment for this item shall be made at the contract unit price of Lump Sum.

I. Bid Item No. 9 - Traffic Control

1. Payment for Traffic Control will be measured as a lump sum for all labor, materials, tools, equipment, incidentals, and meeting all requirements, for doing all the work involved in providing traffic control, specified in Section 01570 – Traffic Control and in any project permits.

J. Bid Item No. 10 – Trench Shoring

1. Payment for excavation shoring, trench and manhole shoring in accordance with Section 02160 – Excavation Support System and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, for installation and removal of the trench and structure shoring, bracing, and sheeting system for the pipeline. It shall include compensation for any and all engineering and permit fees incurred by the Contractor for the design of the shoring system, and no additional compensation will be allowed therefor.
2. Payment for excavation shoring shall be measured as a lump sum, and include furnishing of all work required and specified in Section 02160 – Excavation Support System. Payment for shoring for jacking and receiving pits shall be made under a separate bid item.

K. Bid Item No. 11 – Trench Dewatering

1. Payment for providing materials, tools, equipment, facilities, and services as required for providing the necessary dewatering work and facilities as required and specified in Sections 02140 – Dewatering and 01150 Water Treatment and Disposal. The Project Geology Report provides information about groundwater along the alignment. The Environmental Database/ Document Review Report
2. Payment for this item shall be made at the contract lump sum price for all dewatering required along this pipeline.

L. Bid Item No. 12 – Relocate Water Service

1. Payment for relocation of water services from demolished pipeline (see Bid Item 13) to adjacent secondary distribution pipeline. Services shall be reestablished to

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the Owner's requirements and includes, tapping the existing distribution pipe, corporation stops, copper pipe, compression fittings, testing, flushing and disinfection to AWWA and NSF standards.

2. Contractor shall notify customers of any outages and arrange temporary services during the relocation procedure.
3. Payment for this item shall be made per each service relocated.

M. Bid Item No. 13a – Demolish Existing Distribution Pipelines

Bid Item No. 13b – Provide and Install 6" PVC Distribution Pipelines

Bid Item No. 13c – Provide and Install 12" PVC Distribution Pipelines

1. Payment for demolition and safe disposal of existing water pipelines on Sinex, Cypress, Madison, Hartnell, Webster, Fremont and Hilby. Work includes capping and sealing adjacent pipelines that will remain in service.
2. Payment for installation of new distribution mains at locations as shown on the plans. The work includes procurement and delivery of all pipe and appurtenances including tees, bends, flanges and restraints as shown in the drawings and these specifications. Work also includes transportation, storage and security of materials until time needed for installation.
3. Payment for pipe will be by the linear foot installed for diameter indicated and for each pipe strength designation measured horizontally over the pipe alignment centerline. Appurtenances are incidental to this bid item. Valves are addressed separately.

N. Bid Item No. 14a – Jack and Bore 42" Pipeline (Feed Water at RR)

Bid Item No. 14b – Jack and Bore 8" Pipeline (Cemex Return at RR)

Bid Item No. 14c – Jack and Bore 36" Pipeline (Transfer at Lightfighter)

Bid Item No. 14d – Jack and Bore 36" Pipeline (Transfer at RR Spur)

Bid Item No. 14e – Jack and Bore 36" Pipeline (Transfer, RR at Marina)

Bid Item No. 14f – Jack and Bore 36" Pipeline (Transfer, RR at Lapis)

1. Payment for installing pipeline in casing via Jack and Bore method as shown on the project plans.
2. Payment for this item shall be made at the contract unit price per lump sum (LS)

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O. Bid Item No. 15 – Install 36” Monterey Pipeline in 48” Steel Casing

1. Payment for furnishing 48” Steel Casing pipe across Canyon Del Rey in the Caltrans ROW will be measured as a lump sum for all labor, equipment, materials, incidentals, and services as required, complete in place as shown on the Plans and specified. Construction method is open cut trench.
2. Payment for this item shall be made at the contract unit price per linear foot.

P. Bid Item No. 16a – Provide 42” Feed Water Pipeline

1. Payment for procuring and delivering to the project site one of the following pipe materials:
 - a. Polyvinyl Chloride Pressure Pipe (AWWA C905)
 - b. High Density Polyethylene Pipe (AWWA C906)
2. The work includes procurement and delivery of all pipe and appurtenances including tees, bends, flanges and restraints as shown in the drawings and these specifications.
3. Work also includes transportation, storage and security of materials until time needed for installation.
4. Payment for pipe will be by the linear foot installed for diameter indicated and for each pipe strength designation measured horizontally over the pipe alignment centerline. Appurtenances are incidental to this bid item. Valves are addressed separately.

Q. Bid Item No. 16b - Install 42” Pipeline (Feed Water)

1. Payment for installing Feed Water Pipeline in accordance with the relevant pipeline technical specification, Section 01026 Environmental Requirements, Section 02200 Earthwork and shall include full compensation for furnishing all labor, equipment, tools, materials, including all fittings and pipe, and incidentals for doing all the work necessary within the standard width as defined in the Trench Details on the Project Plans, including saw-cutting, excavation, soil handling, stockpiling, segregation, placement of bedding, backfilling, compaction, tracer wire and tracer wire access boxes and temporary paving, as specified in the Technical Specifications, the Project Plans and all relevant permits . In addition, payment includes removal, and disposal /recycling of existing pavement.
2. Payment for restrained joints as shown in the project plans.

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3. Payment for pipe will be by the linear foot for diameter indicated and for each pipe strength designation installed (including fittings and special sections) measured horizontally over the pipe centerline.
4. Payment for excavation, bedding, backfill and testing of native or imported materials, controlled density fill, trench plugs, and disposal of materials, equipment, tools, labor and materials within the trench width as defined in the Standard Details and the Project Plans and specifications shall be deemed included in the price paid for the pipe and no additional compensation will be allowed therefor.
5. Payment shall include pipe testing and disinfection in accordance with Section 01656 Pressure Pipe Testing and Disinfection.

R. Bid Item No. 17a – Provide 8” Cemex Return Pipeline

1. Payment for procuring and delivering to the project site one of the following pipe materials:
 - a. Ductile Iron Pipe (AWWA C151)
 - b. Steel Pipe (AWWA C200)
 - c. Polyvinyl Chloride Pressure Pipe (AWWA C900)
 - d. High Density Polyethylene Pipe (AWWA C906)
2. The work includes procurement and delivery of all pipe and appurtenances including tees, bends, flanges and restraints as shown in the drawings and these specifications.
3. Work also includes transportation, storage and security of materials until time needed for installation.
4. Payment for pipe will be by the linear foot installed for diameter indicated and for each pipe strength designation measured horizontally over the pipe alignment centerline. Appurtenances are incidental to this bid item. Valves are addressed separately.

S. Bid Item No. 17b – Install 8” Cemex Return Pipeline

1. Payment for installing Cemex Return Pipeline in accordance with the relevant pipeline technical specification, Section 01026 Environmental Requirements, Section 02200 Earthwork and shall include full compensation for furnishing all labor, equipment, tools, materials, including all fittings and pipe, and incidentals for doing all the work necessary within the standard width as defined in the

Trench Details on the Project Plans, including saw-cutting, excavation, soil handling, stockpiling, segregation, placement of bedding, backfilling, compaction, tracer wire and tracer wire access boxes and temporary paving, as specified in the Technical Specifications, the Project Plans and all relevant permits . In addition, payment includes removal, and disposal /recycling of existing pavement.

2. Payment for restrained joints as shown in the project plans.
3. Payment for pipe will be by the linear foot for diameter indicated and for each pipe strength designation installed (including fittings and special sections) measured horizontally over the pipe centerline.
4. Payment for excavation, bedding, backfill and testing of native or imported materials, controlled density fill, trench plugs, and disposal of materials, equipment, tools, labor and materials within the trench width as defined in the Standard Details and the Project Plans and specifications shall be deemed included in the price paid for the pipe and no additional compensation will be allowed therefor.
5. Payment shall include pipe testing and disinfection in accordance with Section 01656 Pressure Pipe Testing and Disinfection.

T. Bid Item No. 18a – Provide 36” Brine Pipeline

1. Payment for procuring and delivering to the project site one of the following pipe materials:
 - a. Polyvinyl Chloride Pressure Pipe (Rubber Joints)
 - b. Polyvinyl Chloride Pressure Pipe (Fused Joints)
 - c. High Density Polyethylene Pipe (Fused Joints)
2. The work includes procurement and delivery of all pipe and appurtenances including tees, bends, flanges and restraints as shown in the drawings and these specifications.
3. Work also includes transportation, storage and security of materials until time needed for installation.
4. Payment for pipe will be by the linear foot installed for diameter indicated and for each pipe strength designation measured horizontally over the pipe alignment centerline. Appurtenances are incidental to this bid item. Valves are addressed separately.

U. Bid Item No. 18b - Install 36" Brine Pipeline

1. Payment for installing Brine Pipeline in accordance with pipeline sections 2600, 02725, or 2725, Section 01026 Environmental Requirements, Section 02200 Earthwork and shall include full compensation for furnishing all labor, equipment, tools, materials, including all fittings and pipe, and incidentals for doing all the work necessary within the standard width as defined in the Trench Details on the Project Plans, including saw-cutting, excavation, soil handling, stockpiling, segregation, placement of bedding, backfilling, compaction, tracer wire and tracer wire access boxes and temporary paving, as specified in the Technical Specifications, the Project Plans and all relevant permits . In addition, payment includes removal, and disposal /recycling of existing pavement.
2. Payment for restrained joints as shown in the project plans.
3. Payment for pipe will be by the linear foot for diameter indicated and for each pipe strength designation installed (including fittings and special sections) measured horizontally over the pipe centerline.
4. Payment for excavation, bedding, backfill and testing of native or imported materials, controlled density fill, trench plugs, and disposal of materials, equipment, tools, labor and materials within the trench width as defined in the Standard Details and the Project Plans and specifications shall be deemed included in the price paid for the pipe and no additional compensation will be allowed therefor.
5. Payment shall include pipe testing and disinfection in accordance with Section 01656 Pressure Pipe Testing and Disinfection.

V. Bid Item No. 19a – Provide 12" Salinas Valley Return Pipeline

1. Payment for procuring and delivering to the project site one of the following pipe materials:
 - a. Ductile Iron Pipe (AWWA C151)
 - b. Steel Pipe (AWWA C200)
 - c. Polyvinyl Chloride Pressure Pipe (AWWA C900)
 - d. High Density Polyethylene Pipe (AWWA C906)
2. The work includes procurement and delivery of all pipe and appurtenances including tees, bends, flanges and restraints as shown in the drawings and these specifications.

3. Work also includes transportation, storage and security of materials until time needed for installation.
4. Payment for pipe will be by the linear foot installed for diameter indicated and for each pipe strength designation measured horizontally over the pipe alignment centerline. Appurtenances are incidental to this bid item. Valves are addressed separately.

W. Bid Item No. 19b – Install 12” Salinas Valley Return Pipeline

1. Payment for installing Salinas Valley Return Pipeline in accordance with the relevant pipeline technical specification, Section 01026 Environmental Requirements, Section 02200 Earthwork and shall include full compensation for furnishing all labor, equipment, tools, materials, including all fittings and pipe, and incidentals for doing all the work necessary within the standard width as defined in the Trench Details on the Project Plans, including saw-cutting, excavation, soil handling, stockpiling, segregation, placement of bedding, backfilling, compaction, tracer wire and tracer wire access boxes and temporary paving, as specified in the Technical Specifications, the Project Plans and all relevant permits . In addition, payment includes removal, and disposal /recycling of existing pavement.
2. Payment for restrained joints as shown in the project plans.
3. Payment for pipe will be by the linear foot for diameter indicated and for each pipe strength designation installed (including fittings and special sections) measured horizontally over the pipe centerline.
4. Payment for excavation, bedding, backfill and testing of native or imported materials, controlled density fill, trench plugs, and disposal of materials, equipment, tools, labor and materials within the trench width as defined in the Standard Details and the Project Plans and specifications shall be deemed included in the price paid for the pipe and no additional compensation will be allowed therefor.
5. Payment shall include pipe testing and disinfection in accordance with Section 01656 Pressure Pipe Testing and Disinfection.

X. Bid Item No. 20a – Provide 8” Potable Water Pipeline (to PCA)

1. Payment for procuring and delivering to the project site one of the following pipe materials:
 - a. Ductile Iron Pipe (AWWA C151)
 - b. Steel Pipe (AWWA C200)

- c. Polyvinyl Chloride Pressure Pipe (AWWA C900)
- d. High Density Polyethylene Pipe (AWWA C906)
2. The work includes procurement and delivery of all pipe and appurtenances including tees, bends, flanges and restraints as shown in the drawings and these specifications.
3. Work also includes transportation, storage and security of materials until time needed for installation.
4. Payment for pipe will be by the linear foot installed for diameter indicated and for each pipe strength designation measured horizontally over the pipe alignment centerline. Appurtenances are incidental to this bid item. Valves are addressed separately.

Y. Bid Item No. 20b – Install 8” Potable Water Pipeline (to PCA)

1. Payment for installing Potable Water Pipeline in accordance with the relevant pipeline technical specification, Section 01026 Environmental Requirements, Section 02200 Earthwork and shall include full compensation for furnishing all labor, equipment, tools, materials, including all fittings and pipe, and incidentals for doing all the work necessary within the standard width as defined in the Trench Details on the Project Plans, including saw-cutting, excavation, soil handling, stockpiling, segregation, placement of bedding, backfilling, compaction, tracer wire and tracer wire access boxes and temporary paving, as specified in the Technical Specifications, the Project Plans and all relevant permits . In addition, payment includes removal, and disposal /recycling of existing pavement.
2. Payment for restrained joints as shown in the project plans.
3. Payment for pipe will be by the linear foot for diameter indicated and for each pipe strength designation installed (including fittings and special sections) measured horizontally over the pipe centerline.
4. Payment for excavation, bedding, backfill and testing of native or imported materials, controlled density fill, trench plugs, and disposal of materials, equipment, tools, labor and materials within the trench width as defined in the Standard Details and the Project Plans and specifications shall be deemed included in the price paid for the pipe and no additional compensation will be allowed therefor.
5. Payment shall include pipe testing and disinfection in accordance with Section 01656 Pressure Pipe Testing and Disinfection.

Z. Bid Item No. 21a – Provide 3” Sanitary Force Main (to PCA)

1. Payment for procuring and delivering to the project site one of the following pipe materials:
 - a. Polyvinyl Chloride Pressure Pipe (AWWA C900)
 - b. High Density Polyethylene Pipe (AWWA C906)
2. The work includes procurement and delivery of all pipe and appurtenances including tees, bends, flanges and restraints as shown in the drawings and these specifications.
3. Work also includes transportation, storage and security of materials until time needed for installation.
4. Payment for pipe will be by the linear foot installed for diameter indicated and for each pipe strength designation measured horizontally over the pipe alignment centerline. Appurtenances are incidental to this bid item. Valves are addressed separately.

AA. Bid Item No. 21b – Install 3” Sanitary Force Main (to PCA)

1. Payment for installing Sanitary Force Main in accordance with the relevant pipeline technical specification, Section 01026 Environmental Requirements, Section 02200 Earthwork and shall include full compensation for furnishing all labor, equipment, tools, materials, including all fittings and pipe, and incidentals for doing all the work necessary within the standard width as defined in the Trench Details on the Project Plans, including saw-cutting, excavation, soil handling, stockpiling, segregation, placement of bedding, backfilling, compaction, tracer wire and tracer wire access boxes and temporary paving, as specified in the Technical Specifications, the Project Plans and all relevant permits . In addition, payment includes removal, and disposal /recycling of existing pavement.
2. Payment for restrained joints as shown in the project plans.
3. Payment for pipe will be by the linear foot for diameter indicated and for each pipe strength designation installed (including fittings and special sections) measured horizontally over the pipe centerline.
4. Payment for excavation, bedding, backfill and testing of native or imported materials, controlled density fill, trench plugs, and disposal of materials, equipment, tools, labor and materials within the trench width as defined in the Standard Details and the Project Plans and specifications shall be deemed included in the price paid for the pipe and no additional compensation will be allowed therefor.

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5. Payment shall include pipe testing and disinfection in accordance with Section 01656 Pressure Pipe Testing and Disinfection.

BB. Bid Item No. 22a – Provide 36” Transfer Pipeline

1. Payment for procuring and delivering to the project site one of the following pipe materials:
 - a. Ductile Iron Pipe (AWWA C151)
 - b. Steel Pipe (AWWA C200)
 - c. Concrete Pipe (AWWA C300/303)
 - d. Polyvinyl Chloride Pipe (AWWA C900)
 - e. High Density Polyethylene Pipe (AWWA C906)
2. The work includes procurement and delivery of all pipe and appurtenances including tees, bends, flanges and restraints as shown in the drawings and these specifications.
3. Work also includes transportation, storage and security of materials until time needed for installation.
4. Payment for pipe will be by the linear foot installed for diameter indicated and for each pipe strength designation measured horizontally over the pipe alignment centerline. Appurtenances are incidental to this bid item. Valves are addressed separately.

CC. Bid Item No. 22b – Install 36” Transfer Pipeline

1. Payment for installing Transfer Pipeline in accordance with the relevant pipeline technical specification, Section 01026 Environmental Requirements, Section 02200 Earthwork and shall include full compensation for furnishing all labor, equipment, tools, materials, including all fittings and pipe, and incidentals for doing all the work necessary within the standard width as defined in the Trench Details on the Project Plans, including saw-cutting, excavation, soil handling, stockpiling, segregation, placement of bedding, backfilling, compaction, tracer wire and tracer wire access boxes and temporary paving, as specified in the Technical Specifications, the Project Plans and all relevant permits . In addition, payment includes removal, and disposal /recycling of existing pavement.
2. Payment for restrained joints as shown in the project plans.

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3. Payment for pipe will be by the linear foot for diameter indicated and for each pipe strength designation installed (including fittings and special sections) measured horizontally over the pipe centerline.
4. Payment for excavation, bedding, backfill and testing of native or imported materials, controlled density fill, trench plugs, and disposal of materials, equipment, tools, labor and materials within the trench width as defined in the Standard Details and the Project Plans and specifications shall be deemed included in the price paid for the pipe and no additional compensation will be allowed therefor.
5. Payment shall include pipe testing and disinfection in accordance with Section 01656 Pressure Pipe Testing and Disinfection.

DD. Bid Item No. 23a – Provide 16” ASR Pipelines (3)

1. Payment for procuring and delivering to the project site one of the following pipe materials:
 - a. Ductile Iron Pipe (AWWA C151)
 - b. Steel Pipe (AWWA C200)
 - c. Concrete Pipe (AWWA C300/303)
 - d. Polyvinyl Chloride Pipe (AWWA C900)
 - e. High Density Polyethylene Pipe (AWWA C906)
2. The work includes procurement and delivery of all pipe and appurtenances including tees, bends, flanges and restraints as shown in the drawings and these specifications.
3. Work also includes transportation, storage and security of materials until time needed for installation.
4. Payment for pipe will be by the linear foot installed for diameter indicated and for each pipe strength designation measured horizontally over the pipe alignment centerline. Appurtenances are incidental to this bid item. Valves are addressed separately.

EE. Bid Item No. 23b – Install 16” ASR Pipelines (3)

1. Payment for installing three (3) ASR Pipelines as shown in the drawings: Extension, Pump-to-Waste, and Recirculation; in accordance with the relevant pipeline technical specification, Section 01026 Environmental Requirements,

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Section 02200 Earthwork and shall include full compensation for furnishing all labor, equipment, tools, materials, including all fittings and pipe, and incidentals for doing all the work necessary within the standard width as defined in the Trench Details on the Project Plans, including saw-cutting, excavation, soil handling, stockpiling, segregation, placement of bedding, backfilling, compaction, tracer wire and tracer wire access boxes and temporary paving, as specified in the Technical Specifications, the Project Plans and all relevant permits . In addition, payment includes removal, and disposal /recycling of existing pavement.

2. Payment for restrained joints as shown in the project plans.
3. Payment for pipe will be by the linear foot for diameter indicated and for each pipe strength designation installed (including fittings and special sections) measured horizontally over the pipe centerline.
4. Payment for excavation, bedding, backfill and testing of native or imported materials, controlled density fill, trench plugs, and disposal of materials, equipment, tools, labor and materials within the trench width as defined in the Standard Details and the Project Plans and specifications shall be deemed included in the price paid for the pipe and no additional compensation will be allowed therefor.
5. Payment shall include pipe testing and disinfection in accordance with Section 01656 Pressure Pipe Testing and Disinfection.

FF. Bid Item No. 24a – Provide 36” Monterey Pipeline

1. Payment for procuring and delivering to the project site one of the following pipe materials:
 - a. Ductile Iron Pipe (AWWA C151)
 - b. Steel Pipe (AWWA C200)
 - c. Concrete Pipe (AWWA C300/303)
 - d. Polyvinyl Chloride Pipe (AWWA C900)
 - e. High Density Polyethylene Pipe (AWWA C906)
2. The work includes procurement and delivery of all pipe and appurtenances including tees, bends, flanges and restraints as shown in the drawings and these specifications.
3. Work also includes transportation, storage and security of materials until time needed for installation.

4. Payment for pipe will be by the linear foot installed for diameter indicated and for each pipe strength designation measured horizontally over the pipe alignment centerline. Appurtenances are incidental to this bid item. Valves are addressed separately.

GG. Bid Item No. 24b – Install 36” Monterey Pipeline

1. Payment for installing Monterey Pipeline in accordance with the relevant pipeline technical specification, Section 01026 Environmental Requirements, Section 02200 Earthwork and shall include full compensation for furnishing all labor, equipment, tools, materials, including all fittings and pipe, and incidentals for doing all the work necessary within the standard width as defined in the Trench Details on the Project Plans, including saw-cutting, excavation, soil handling, stockpiling, segregation, placement of bedding, backfilling, compaction, tracer wire and tracer wire access boxes and temporary paving, as specified in the Technical Specifications, the Project Plans and all relevant permits . In addition, payment includes removal, and disposal /recycling of existing pavement.
2. Payment for restrained joints as shown in the project plans.
3. Payment for pipe will be by the linear foot for diameter indicated and for each pipe strength designation installed (including fittings and special sections) measured horizontally over the pipe centerline.
4. Payment for excavation, bedding, backfill and testing of native or imported materials, controlled density fill, trench plugs, and disposal of materials, equipment, tools, labor and materials within the trench width as defined in the Standard Details and the Project Plans and specifications shall be deemed included in the price paid for the pipe and no additional compensation will be allowed therefor.
5. Payment shall include pipe testing and disinfection in accordance with Section 01656 Pressure Pipe Testing and Disinfection.

HH. Bid Item No. 25a – Provide and Install 16” Butterfly Valves

Bid Item No. 25b – Provide and Install 36” Butterfly Valves

1. Payment for procuring and delivering to the project site AWWA C-504 Butterfly Valves in accordance with the Section 15202 – Butterfly Valves and the project plans. The work includes procurement and delivery of the valve, valve box and iron cover, thrust blocks and/or mechanical restraints, riser, tracer wire, and all items recommended or specified by the valve manufacturer.
2. Work includes storage and security of materials until time needed for installation.

3. Payment shall be made on the contract unit price for butterfly valve assembly (AWWA C-504), installed complete in place as shown on the Plans and specified in the technical specifications.
4. Payment shall be deemed full compensation for all labor, equipment, materials, and incidentals for furnishing gate valve as sizes indicated, valve box and iron cover, thrust blocks and/or mechanical restraints, riser, tracer wire, and all items recommended or specified by the valve manufacturer, and all work required to install valve complete in place as specified.

II. Bid Item No. 26a – Provide and Install 3” Gate Valves**Bid Item No. 26b – Provide and Install 8” Gate Valves****Bid Item No. 26c – Provide and Install 12” Gate Valves**

1. Payment shall be made on the contract unit price for furnishing gate valve assembly (AWWA C-509), installed complete in place as shown on the Plans and specified in the technical specifications.
2. Payment shall be deemed full compensation for all labor, equipment, materials, and incidentals for furnishing gate valve as sizes indicated, valve box and iron cover, thrust blocks and/or mechanical restraints, riser, tracer wire, and all items recommended or specified by the valve manufacturer, and all work required to install valve complete in place as specified.

JJ. Bid Item No. 27a – Provide and Install 36” Plug Valves**Bid Item No. 27b – Provide and Install 42” Plug Valves**

1. Payment shall be made on the contract unit price for furnishing plug valve assembly, installed complete in place as shown on the Plans and specified in the technical specifications. Plug valves shall be stainless steel suitable for service in corrosive environments on Feed Water (raw sea water) and Brine Pipelines per Section 15200.
2. Payment shall be deemed full compensation for all labor, equipment, materials, and incidentals for furnishing gate valve as sizes indicated, valve box and iron cover, thrust blocks and/or mechanical restraints, riser, tracer wire, and all items recommended or specified by the valve manufacturer, and all work required to install valve complete in place as specified.

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KK. Bid Item No. 28a – Provide and Install 2” Combination ARVs in Cage (for wastewater service)

Bid Item No. 28b – Provide and Install 6” Combination ARVs in Cage (for brine/seawater service)

Bid Item No. 28c – Provide and Install 6” Combination ARVs in Manhole (for brine/seawater service)

Bid Item No. 28d – Provide and Install 2” Combination ARVs in Cage (for potable water service)

Bid Item No. 28e – Provide and Install 6” Combination ARVs in Cage (for potable water service)

Bid Item No. 28f – Provide and Install 6” Combination ARVs in Manhole (for potable water service)

1. Payment shall be made on the contract unit price for each Combination ARV assembly (AWWA C-512), installed complete in place as shown on the Plans and specified in the technical specifications.
2. Combination ARVs in cages and manholes are shown in the project detail drawings.
3. Payment shall be deemed full compensation for all labor, equipment, incidentals, and materials for furnishing combination ARV valve, tubing connection with main, fittings, curb stop, cage, utility box, enclosure, concrete slab, and all items recommended or specified by the valve manufacturer, and all work required to install valve complete in place as specified.

LL. Bid Item No. 29a – Provide and Install 3” Blowoff, Pump Out Style

Bid Item No. 29b – Provide and Install 8” Blowoff, Pump Out Style

Bid Item No. 29c – Provide and Install 12” Blowoff, Pump Out Style

Bid Item No. 29d – Provide and Install 16” Blowoff, Pump Out Style

Bid Item No. 29e – Provide and Install 24” Blowoff, Pump Out Style

Bid Item No. 29f – Provide and Install 36” Blowoff, Pump Out Style

Bid Item No. 29g – Provide and Install 36” Blowoff, Hydrant Style

Bid Item No. 29h – Provide and Install 42” Blowoff, Pump Out Style

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1. Payment shall be made on the contract unit price for furnishing blowoff assembly, installed complete in place as shown on the Plans and specified in the technical specifications.
2. Payment shall be deemed full compensation for all labor, equipment, materials, and incidentals for furnishing blowoff assembly as sizes indicated, pipes, valves, fittings, utility vault and cover, thrust blocks, tracer wire, and all items recommended or specified by the manufacturer, and all work required to install Pump Out Blowoffs complete in place as specified.

MM. Bid Item No. 30 – SVR Outlet Structure at Recharge Pond

1. Payment for furnishing an outlet structure on the Salinas Valley Return Pipeline at the recharge pond. Includes riprap, duckbill check valve and concrete pipe support at discharge to storage pond. Requires all labor, equipment, materials, incidentals, and services as required, complete in place as shown on the Plans and specified.
2. Payment for this item shall be made at the contract unit price for Lump Sum.

NN. Bid Item No. 31 – Provide and Install 36" Flow Meter in Vault

1. Payment for installing magnetic flow meter in vault as shown in the plans and specifications.
2. Payment for this item shall be made at the contract unit price for each unit furnished.

OO. Bid Item No. 32a – System Connection at Coe Ave. (Transfer)

Bid Item No. 32b – System Connection at Yosemite (Monterey)

Bid Item No. 32c – System Connection at Pump Station (Monterey)

Bid Item No. 32d – System Connection at Eardley (Monterey)

1. Payment for connecting new pipelines to existing pipelines. Includes investigating existing conditions and determining connection requirements, scheduling system outage request (SOR) with Owner and facilitating shutdowns and startups with O&M staff. Requires demolishing existing pipe and vaults to accommodate new pipelines, providing flanges, couplings, welding required to make connection, and testing and disinfection to AWWA standards.
2. Payment for this item shall be made at the contract unit price as Lump Sum for each connection.

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PP. Bid Item No. 33 – Provide and Install Crest PRV Station

1. Payment for installation of new pressure regulating station. Work is adjacent to Hilby/General Jim Moore, as shown in the plans.
2. Payment for this item shall be made at the contract unit price as Lump Sum for the furnished station.

QQ. Bid Item No. 34 – Install pipe above grade over 1st St. Tunnel (Transfer)

1. Payment for furnishing pipe above grade over 1st St Tunnels will be measured as a lump sum for all labor, equipment, materials, incidentals, and services as required, complete in place as shown on the Plans and specified.
2. Payment for this item shall be made at the contract lump sum price.

RR. Bid Item No. 35 – Provide and Install ASR Crossover

1. Payment for installing 30" crossover pipe, isolation butterfly valves and magnetic flowmeter in vault at ASR Well #1, as shown in the Plans.
2. Payment for this item shall be made at the contract unit price as Lump Sum for the furnished crossover.

SS. Bid Item No. 36 – Pipe Bridge over Hwy 68 (Monterey)

1. Payment for furnishing Pipe Bridge over Hwy 68 on the Monterey Pipeline, as shown in the plans. Contractor shall design and furnish the pipe bridge. Components include pipe, couplings, restraints, bridge truss, abutments, support pier, foundation piles, security fencing, coatings, signage and connections to adjacent pipelines for a complete functioning system.
2. Payment for this item shall be made at the contract unit price as Lump Sum for the furnished pipe bridge.

TT. Bid Item No. 37a – Design and Provide Cathodic Protection System for Metallic Pipelines and Appurtenances

Bid Item No. 37b – Design and Provide Cathodic Protection System for Metallic Appurtenances on Plastic Pipelines

1. Payment for designing and furnishing a cathodic protection system for the metallic pipelines and appurtenances or the metallic appurtenances on plastic pipelines.

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2. The cathodic protection system shall be designed and furnished as per Section 13110 and the plans.
3. Payment for this item of work will be full compensation for furnishing all materials, tools, labor, and equipment necessary for potholing including but not limited to location and protection of the utility, excavation, traffic control, backfill and compaction, and restoration of grade, pavement, curbs, gutters, sidewalks, and landscaped areas.
4. Payment for this item shall be made at the contract unit price of Lump Sum for a fully furnished, functioning system.

UU. Bid Item No. 38 – Portland Concrete Paving

1. Full compensation for Portland concrete (PC) furnished and placed for pavement restoration in conjunction with trenching for underground facilities, removal and/or replacement of existing facilities, conforming PC paving for paneled crossings and driveway, embedded crossings and broken rail sections, shall be considered as included in the various contract items of work and no additional compensation will be allowed therefore. Removal of existing pavement and providing and compacting materials below the PC, such as base rock and tack seal, are included in the unit price for PC supplied.
2. Payment for this item shall be made at the contract unit price for each cubic yard (CY) of PC pavement installed as required for street paving.

VV. Bid Item No. 39 – Asphalt Concrete Paving

1. Full compensation for asphalt concrete (AC) furnished and placed for pavement restoration in conjunction with trenching for underground facilities, removal and/or replacement of existing facilities, conforming AC paving for paneled crossings and driveway, embedded crossings and broken rail sections, shall be considered as included in the various contract items of work and no additional compensation will be allowed therefore. Removal of existing pavement and providing and compacting materials below the AC, such as base rock and tack seal, are included in the unit price for AC supplied.
2. Payment for this item shall be made at the contract unit price for each cubic yard (CY) of AC pavement installed as required for street paving.

WW. Bid Item No. 40 - Rubberized Asphalt Concrete Pavement

1. Full compensation for rubberized asphalt concrete (RAC) pavement furnished and placed for pavement restoration in conjunction with trenching for underground facilities, removal and/or replacement of existing facilities, conforming RAC

paving for paneled crossings and driveway, embedded crossings and broken rail sections, shall be considered as included in the various contract items of work and no additional compensation will be allowed therefore. Removal of existing pavement and providing and compacting materials below the RP, such as base rock and tack seal, are included in the unit price for RP supplied.

2. Payment for this item shall be made at the contract unit price for each cubic yard (CY) of RP pavement installed as required for street paving.

XX. Bid Item No. 41 – Asphalt Milling and Overlay

1. Full compensation for milling existing asphalt cement pavement and installing a new overlay wearing course as described in the contract drawings. Each community has different requirements. See tables in contract drawings.
2. Payment for this item shall be made at the contract unit price for each Square Foot (SF) of milling and overlay.

YY. Bid Item No. 42 – Restoration of Pavement Markings

1. Payment for restoration of traffic controls including striping, directions, signage, crosswalks, stop bars, and reflectors after AC pavement has been replaced. Payment for this item of work will be full compensation for furnishing all materials, tools, labor, and equipment necessary for restoration of the traffic striping.
2. Traffic striping shall be restored to existing condition of better as documented in pre-construction survey (see Section 01532).
3. Payment for this item shall be made at the contract unit price of Lump Sum for complete replacement of traffic controls.

ZZ. Bid Item No. 43 – Repair of Traffic Control Loops

1. Payment for repairs to traffic control loops damaged by pipeline construction.
2. Payment for this item shall be made at the contract unit price for each traffic loop repaired.

AAA. Bid Item No. 44 – Additional Backfill Over Pipeline

1. Payment for additional backfill over/around pipeline as directed by the Engineer. These are low areas that need minor grading adjustments or fill required to meet the 4' minimum cover over the pipeline. Material may be clean excavated material from adjacent excavation approved by Engineer. Work will be measured

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in cubic yards for all labor, equipment, materials, incidentals, and services as required, complete in place as shown on the Plans and specified.

2. Payment for this item shall be made at the contract unit price of Cubic Yards placed.

BBB. Bid Item No. 45 – Lead Testing and Abatement (Caltrans)

1. Payment for lead testing and abatement will be measured as a lump sum for all labor, equipment, materials, incidentals, and services as required, complete in place as shown on the Plans and specified.
2. Lead testing and abatement are Caltrans requirements which are provided as an Appendix to these specifications. Contractor shall meet those requirements.

CCC. Bid Item No.46 – Soil Disposal (Non-hazardous)

1. Payment for Soil Disposal will be measured as a cubic yards (CY) for all materials, tools, equipment, facilities, and services as required and specified in Section 02111 – Disposal of Excavated Materials.
2. Payment for Soil Disposal shall include furnishing of all work required and specified in Section 02111 – Disposal of Excavated Materials.

DDD. Bid Item No. 47 – Cal-Hazardous Soil Disposal

1. Payment for Soil Disposal includes all materials, tools, equipment, facilities, and services as required and specified in Section 02111 – Disposal of Excavated Materials.
- ~~1. Payment for locating and potholing the existing underground utilities as shown on the Plans. Payment for this item of work will be full compensation for furnishing all materials, tools, labor, and equipment necessary for potholing including but not limited to location and protection of the utility, excavation, traffic control, backfill and compaction, and restoration of grade, pavement, curbs, gutters, sidewalks, and landscaped areas.~~
2. Payment for this item shall be made at the contract unit price for cubic yards (CY).

EEE. Bid Item No. 48 – Class 1 Hazardous Soil Disposal

1. Payment for Soil Disposal includes for all materials, tools, equipment, facilities, and services as required and specified in Section 02111 – Disposal of Excavated Materials.

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- ~~1. Payment for locating and potholing the existing underground utilities as shown on the Plans. Payment for this item of work will be full compensation for furnishing all materials, tools, labor, and equipment necessary for potholing including but not limited to location and protection of the utility, excavation, traffic control, backfill and compaction, and restoration of grade, pavement, curbs, gutters, sidewalks, and landscaped areas.~~
2. Payment for this item shall be made at the contract unit price for cubic yards (CY).

FFF. Bid Item No. 49 – Reseeding (CA Native Mix)

1. Payment for Reseeding includes all materials, tools, equipment, facilities, and services as required and specified in Section 02930 – Seeding.
- ~~1. Payment for locating and potholing the existing underground utilities as shown on the Plans. Payment for this item of work will be full compensation for furnishing all materials, tools, labor, and equipment necessary for potholing including but not limited to location and protection of the utility, excavation, traffic control, backfill and compaction, and restoration of grade, pavement, curbs, gutters, sidewalks, and landscaped areas.~~
2. Payment for this item shall be made at the contract unit price for square feet (SF).

GGG. Bid Item No. 50 - Restore Concrete Skate Ramp (Monterey)

1. Payment for restoration of concrete skate ramp at end of Spencer St. Requires all labor, equipment, materials, incidentals, and services as required, complete in place as shown on the Plans and specified.
2. Payment for this item shall be made at the contract unit price for Lump Sum.

HHH. M Bid Item No. 51 - Coordinate with US Army (Monterey)

1. Payment for Coordination with US Army for work within the Presidio of Monterey (POM). Includes acquiring staff security clearances and following work requirements prescribed by the POM.
2. Payment for this item shall be made at the contract unit price for Lump Sum.

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PART 2 PRODUCTS

NOT USED.

PART 3 EXECUTION

NOT USED.

****END OF SECTION****

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. This Section includes requirements for measurement and payment as they apply to the Work.
- B. Measurement methods specified in the individual Sections of these Specifications shall govern if different from the methods specified herein.

1.02 MEASUREMENT OF QUANTITIES

- A. Measurement Standards: All Work to be paid for at a Contract price per unit of measurement will be measured by the Owner in accordance with United States Standard Measures.
- B. Measurement by Area: Measurement by area will be by the square dimension listed or indicated in the Schedule of Quantities and Prices.
- C. Linear Measurement: Linear Measurement will be by the linear dimension listed or indicated in the Schedule of Quantities and Prices. Unless otherwise indicated, items, components, or work to be measured will be measured at the centerline of the item in place.
- D. Lump-Sum Measurement:
 - 1. Lump-sum measurement will be for the entire item, unit of work, structure, or combination thereof, as specified and as listed or indicated in the Schedule of Quantities and Prices with pay limits for the item of work shown on the Plans.
 - 2. If Contractor requests progress payments for lump-sum items or amounts in the Schedule of Quantities and Prices, such progress payments will be made in accordance with a well-balanced, detailed program of payment-apportioning, prepared by Contractor and submitted to the Owner for approval.
 - 3. Such program for each applicable lump-sum item shall show fixed measurable quantities where possible and unit prices therefore as allocated by Contractor to the different features of the Work and major subdivisions thereof. The summation of extensions of quantities and unit prices and related costs shall equal the amount of the lump sum bid item indicated in the Schedule of Quantities and Prices.

1.03 ALLOWANCES

- A. All Allowance Work shall be directed by the Owner or Engineer to the Contractor in writing prior to the start of work. The work shall be billed by time and materials and shall not exceed the total approved by the Owner.
- B. Allowances specified in the Contract Documents shall cause the work so covered to be furnished and performed for such sums as acceptable to the Owner and shall include the cost to Contractor, less any applicable trade discounts, of materials and equipment to be delivered and installed.
- C. Contractor's costs for unloading, handling, labor, installation costs, overhead, profit and other expenses contemplated shall not be deducted from the Allowance but shall be included in the Contract Price.

1.04 SCOPE OF PAYMENT

- A. The contract lump sum and unit prices paid for the various items and classifications of work shall include full compensation for furnishing all labor, materials, tools, equipment, transportation, services, and incidentals as specified in GC-56, "Compensation," and for performing all work necessary for completing the construction or installation of the item or work classification, unless stated otherwise.

1.05 MEASUREMENT AND PAYMENT

- A. Costs for conforming to the provisions of this section will receive no separate payment from the Owner, and the Contractor is presumed to have allocated such costs to the pay items deemed most appropriate.
- B. Contractor administrative costs for performing work in this contract will receive no separate payment from the Owner, and the Contractor is presumed to have allocated such costs to the pay items deemed most appropriate.

1.06 BID ITEM DESCRIPTIONS

- A. **Bid Item No. 1 – Preconstruction Activities (ALLOWANCE)**
 - 1. Payment for addressing preconstruction activities as directed by the OWNER. The CONTRACTOR shall assist the OWNER and ENGINEER with construction planning activities and coordination meetings with project stakeholders including but not limited to coordination, planning, resource development (local utilization, WMDVBE), and permitting activities necessary to start construction but prior to notice to proceed.

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2. Measurement shall be in accordance with the requirements for allowance type work.

B. Bid Item No. 2 – Community Outreach (ALLOWANCE)

1. Payment for addressing community outreach activities as directed by the Owner. The Contractor shall assist the Owner and Engineer with community outreach activities including but not limited to meeting attendance, presentations and discussions of construction activities and methods; information development including printed materials and electronic materials suitable for publishing on the project website.
2. Measurement shall be in accordance with the requirements for allowance type work.

C. Bid Item No. 3 – Mobilization/Demobilization

1. The contract lump sum price paid for mobilization shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, for doing all the work involved in mobilization, complete in place, as shown on the Plans, as specified in these technical specifications, and as directed by the Owner.
2. Payments for mobilization will be made as follows:
 - a. When the monthly partial payment estimate of the amount earned, not including the amount earned for mobilization, is 5 percent or more of the original Contract amount, 50 percent of the contract item price for mobilization or 5 percent of the original Contract amount, whichever is the lesser, will be included in said estimate for payment.
 - b. When the monthly partial payment estimate of the amount earned, not including the amount earned for mobilization, is 10 percent or more of the original Contract amount, the total amount earned for mobilization shall be 75 percent of the contract item price for mobilization or 7.5 percent of the original Contract amount, whichever is the lesser, will be included in said estimate for payment.
 - c. When the monthly partial payment estimate of the amount earned, not including the amount earned for mobilization, is 20 percent or more of the original Contract amount, the total amount earned for mobilization shall be 95 percent of the contract item price for mobilization or 9.5 percent of the original Contract amount, whichever is the lesser, will be included in said estimate for payment.

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- d. When the monthly partial payment estimate of the amount earned, not including the amount earned for mobilization, is 50 percent or more of the original Contract amount, the total amount earned for mobilization shall be 100 percent of the contract item price for mobilization or 10 percent of the original Contract amount, whichever is the lesser, will be included in said estimate for payment.
 - e. After acceptance of the contract, the amount, if any, of the contract item price for mobilization in excess of 10 percent of the original contract amount will be included for payment of the final estimate.

D. Bid Item No. 4 – Environmental Requirements/Restoration

1. Payment for addressing site specific environmental requirements and/or restoration. This work shall be directed by the Owner or Engineer.
2. Payment for this item shall be made at the contract unit price of Lump Sum.

E. Bid Item No. 5 – Safety and Environmental Exclusion Fencing

1. Payment for installing the Exclusion Fencing, as shown on the Plans and described in the specifications. Payment for this item of work will be full compensation for furnishing all materials, tools, labor, and equipment necessary for installing and maintaining the fence.
2. Payment for this item shall be made at the contract unit price for each linear foot of exclusion fencing furnished.

F. Bid Item No. 6 – SWPPP/Erosion Control

1. Payment for development and execution of a storm water pollution prevention plan per Sections 01561 and 02270.
2. Payment for this item shall be made at the contract unit price of Lump Sum.

G. Bid Item No. 7 – Utility Potholing

1. Payment for locating and potholing the existing underground utilities as shown on the Plans. Payment for this item of work will be full compensation for furnishing all materials, tools, labor, and equipment necessary for potholing including but not limited to location and protection of the utility, excavation, traffic control, backfill and

compaction, and restoration of grade, pavement, curbs, gutters, sidewalks, and landscaped areas.

2. Payment for this item shall be made at the contract unit price for each pothole furnished.

H. Bid Item No. 8 - Staking/Surveying/As-Built Drawings

1. Payment for staking and surveying will be measured as a lump sum for all surveying and staking requirements, full compensation for furnishing all materials, tools, labor, and equipment necessary.
2. Payment for Staking and Surveying shall consist of:
 - a. Establishing or reestablishing the project centerline.
 - b. Referencing or re-referencing all necessary control points.
 - c. Running a circuit of bench levels to check or reestablish plan benchmarks.
 - d. Setting other benchmarks as needed.
 - e. Staking right-of-way or re-staking right-of-way where needed if it has been previously staked and performing all construction layout and reference staking necessary for the proper control and satisfactory completion of all structures, grading, paving, drainage, and all other appurtenances required for the completion of the construction work and acceptance of the project.
3. Contractor shall provide as-built drawings of all constructed improvements with surveyed coordinate locations for all pipeline features and appurtenances including bends, valves, CAVs, blow offs, etc.

I. Bid Item No. 9 - Traffic Control

1. Payment for Traffic Control will be measured as a lump sum for all labor, materials, tools, equipment, incidentals, and meeting all requirements, for doing all the work involved in providing traffic control, specified in Section 01570 – Traffic Control.

J. Bid Item No. 10 – Trench Shoring

1. Payment for excavation shoring, trench and manhole shoring in accordance with Section 02160 – Excavation Support System and shall include full compensation for furnishing all labor, materials, tools,

equipment, and incidentals, for installation and removal of the trench and structure shoring, bracing, and sheeting system for the pipeline. It shall include compensation for any and all engineering and permit fees incurred by the Contractor for the design of the shoring system, and no additional compensation will be allowed therefor.

2. Payment for excavation shoring shall be measured as a lump sum, and include furnishing of all work required and specified in Section 02160 – Excavation Support System. Payment for shoring for jacking and receiving pits shall be made under a separate bid item

K. Bid Item No. 11 – Trench Dewatering

1. Payment for providing materials, tools, equipment, facilities, and services as required for providing the necessary dewatering work and facilities as required and specified in Sections 02140 – Dewatering and 01150 Water Treatment and Disposal.
2. Payment for this item shall be made at the contract lump sum price at each location.

L. Bid Item No. 12 – Clearing, Grubbing, and Site Grading

1. Clear Grubbing and Site Grading, including excavation operations and monitoring, to establish the two new 3 million gallon tanks, future parking and overflow basin/sports field will be paid at the applicable unit price named in the Bid Form. Areas of Clear Grubbing and Site Grading will be measured by surveys provided by the Owner. Contractor shall provide a minimum 5-day notice to the Owner for coordinating area surveys 1) upon completion of clearing and grubbing to the depths of the lines and grades shown on the plans and 2) upon completion of excavation work at the tank site, future parking and overflow basin/sports field. Provide 4 working days following each notice for the Owner's survey work; provide site access for the Owner's surveyor during these periods; and allow an additional 4 days for quantities to be calculated and submitted for the Contractor to include in his payment request. Clear Grubbing and Site Grading in excess of that shown on the plans shall not be paid for unless pre-approved by the Owner in writing. If the Contractor chooses to verify or dispute the Owner's quantities, he can provide survey information in electronic CAD format from a surveyor with a valid California Surveyor's License. Such information to verify or dispute quantities for excavation shall be accompanied with spreadsheet calculations such that the Owner can resolve the quantities for payment. Payments for partial completion of excavation shall be based on quantity estimates as approved by the Owner's observer. Payment shall include all labor, equipment, and materials for clearing and grubbing, excavation, removal

and disposal of deleterious or un-useable materials, temporary storage and movement of materials and other work incidental to excavation.

2. Payment for this item shall be made at the contract unit price for acres of area Clear Grubbing and Site Grading furnished. Payment of grading for the soccer field and parking lot sites shall be made under separate pay items.

M. Bid Item No. 13 – Earthwork - Cut, for Tank Site

1. Earthwork - Cut for tank site, including excavation operations and monitoring, to establish the subgrade of the new 3 million gallon tanks will be paid at the applicable unit price named in the Bid Form. Quantity of Earthwork - Cut for tank site will be measured by surveys provided by the Owner. Contractor shall provide a minimum 5-day notice to the Owner for coordinating quantity surveys 1) upon completion of clearing and grubbing (paid under separate bid items) to the depths of the lines and grades shown on the plans and 2) upon completion of Earthwork - Cut at the tank site. Provide 4 working days following each notice for the Owner's survey work; provide site access for the Owner's surveyor during these periods; and allow an additional 4 days for quantities to be calculated and submitted for the Contractor to include in his payment request. Earthwork - Cut at the tank site in excess of that shown on the plans shall not be paid for unless pre-approved by the Owner in writing. If the Contractor chooses to verify or dispute the Owner's quantities, he can provide survey information in electronic CAD format from a surveyor with a valid California Surveyor's License. Such information to verify or dispute quantities for excavation shall be accompanied with spreadsheet calculations such that the Owner can resolve the quantities for payment. Payments for partial completion of excavation shall be based on quantity estimates as approved by the Owner's observer. Payment shall include all labor, equipment, excavation, removal and movement of materials and other work incidental to excavation. Trenching, including excavation for pipelines and pipe supports shall be paid under separate bid items.

2. Payment for this item shall be made at the contract unit price of cubic yard (CY).

N. Bid Item No. 14 – Earthwork - Fill, for Tank Site

1. Fill at Tank Site shall include the placement of, moisture control, and compaction to the lines and grades shown on the plans. Fill at Tank Site shall include approved soil free of unsuitable material, labor, equipment, and other work necessary to place material to the lines and grades shown

on the plans. Fill in excess to the lines and grades shown on the plans or otherwise directed by the Construction Manager in writing shall not be measured for payment.

2. Earthwork - Fill for Tank Site will be measured and paid by Cubic Yard (CY).

O. Bid Item No. 15 – Three (3) Million Gallon Storage Tanks, AWWA D-110

1. Payment for 3.0 MG Prestressed Concrete Storage Tank, AWWA D-110 in accordance with section 13205 – Prestressed Concrete Tank shall include labor, equipment, design of the tank, materials, tank concrete and reinforcing, slurry fill under tank, ladders, vents, hatches, valves, piping, handrails, downspouts, formwork, sealing, coating, painting, disinfection, sampling pipeline, leak detection system, testing, subgrade work, filter material, and appurtenances necessary to install tank as shown in the drawings.
2. Payment for this item shall be made at the contract unit price for each prestressed concrete tank furnished.

P. Bid Item No. 16 – Vault 1: Inlet Control Valve Vault and Manifold

1. Bid item includes furnishing 12'W x 24'L x 8'H valve vault with 2 - 4' x 4' Bilco hatches, sump with pump, lighting, ventilation, safety ladder and fall restraint system as shown in the plans.
2. Manifold includes 12" and 16" pipe, appurtenances, tees, isolation valves, flex couplings, and pressure regulating valve as shown in the plans.
3. Work includes providing all labor, vault excavation, backfill, equipment, materials, and appurtenances necessary to furnish a fully functional Inlet Control Valve Vault and Manifold.
4. Payment for this item shall be made at the contract unit price of Lump Sum of the vault furnished.

Q. Bid Item No. 17 – Vault 2: Outlet Control Valve Vault and Manifold

1. Bid item includes furnishing 12'W x 16'L x 25'H valve vault with 2 - 4' x 4' Bilco hatches, sump with pump, lighting, ventilation, safety ladder and fall restraint system as shown in the plans.
2. Manifold includes 12" and 16" pipe, appurtenances, tees, isolation valves, flex couplings as shown in the plans.

3. Work includes providing all labor, vault excavation, backfill, equipment, materials, and appurtenances necessary to furnish a fully functional Outlet Control Valve Vault and Manifold.
4. Payment for this item shall be made at the contract unit price of Lump Sum of the vault furnished.

R. Bid Item No. 18 – Vault 3: Drain Control Valve Vault and Manifold

1. Bid item includes furnishing 12'W x 16'L x 25'H valve vault with 2 - 4' x 4' Bilco hatches, sump with pump, lighting, ventilation, safety ladder and fall restraint system as shown in the plans.
2. Manifold includes 12" and 16" pipe, appurtenances, tees, isolation valves, flex couplings as shown in the plans.
3. Work includes providing all labor, vault excavation, backfill, equipment, materials, and appurtenances necessary to furnish a fully functional Drain Control Valve Vault and Manifold.
4. Payment for this item shall be made at the contract unit price of Lump Sum of the vault furnished.

S. Bid Item No. 19 – Provide 12" Potable Water Pipeline

Bid Item No. 20 – Provide 16" Potable Water Pipeline

1. Payment for procuring and delivering to the project site one of the following pipe materials:
 - a. Ductile Iron Pipe (AWWA C151)
 - b. Steel Pipe (AWWA C200)
 - c. Polyvinyl Chloride Pressure Pipe (AWWA C900)
 - d. High Density Polyethylene Pipe (AWWA C906)
2. The work includes procurement and delivery of all pipe and appurtenances including tees, bends, flanges and restraints as shown in the drawings and these specifications.
3. Work also includes transportation, storage and security of materials until time needed for installation.
4. Payment for pipe will be by the linear foot installed for diameter indicated and for each pipe strength designation measured horizontally over the pipe alignment centerline. Appurtenances are incidental to this bid item. Valves are addressed separately.

T. Bid Item No. 21 – Install 12” Potable Water Pipeline

U. Bid Item No. 22 – Install 16” Potable Water Pipeline

1. Payment for installing potable water pipeline in accordance with the relevant pipeline technical specification, Section 01026 Environmental Requirements, Section 02200 Earthwork and shall include full compensation for furnishing all labor, equipment, tools, materials, including all fittings and pipe, and incidentals for doing all the work necessary within the standard width as defined in the Trench Details on the Project Plans, including saw-cutting, excavation, soil handling, stockpiling, segregation, placement of bedding, backfilling, compaction, tracer wire and tracer wire access boxes and temporary paving, as specified in the Technical Specifications, the Project Plans and all relevant permits . In addition, payment includes removal, and disposal /recycling of existing pavement.
2. Payment for restrained joints as shown in the project plans.
3. Payment for pipe will be by the linear foot for diameter indicated and for each pipe strength designation installed (including fittings and special sections) measured horizontally over the pipe centerline.
4. Payment for excavation, bedding, backfill and testing of native or imported materials, controlled density fill, trench plugs, and disposal of materials, equipment, tools, labor and materials within the trench width as defined in the Standard Details and the Project Plans and specifications shall be deemed included in the price paid for the pipe and no additional compensation will be allowed therefor.
5. Payment shall include pipe testing and disinfection in accordance with Section 01656 Pressure Pipe Testing and Disinfection.

V. Bid Item No. 23 – Provide and Install 12" Gate Valves

Bid Item No. 24 – Provide and Install 16" Butterfly Valves

1. Payment shall be made on the contract unit price for furnishing gate valve assembly (AWWA C-509) or butterfly valves (AWWA C-504), installed complete in place as shown on the Plans and specified in the technical specifications.
2. Payment shall be deemed full compensation for all labor, equipment, materials , and incidentals for furnishing gate valve as sizes indicated,

valve box and iron cover, thrust blocks and/or mechanical restraints, riser, tracer wire, and all items recommended or specified by the valve manufacturer, and all work required to install valve complete in place as specified.

W. Bid Item No. 25 – Provide and Install 16” PRV in Inlet Vault

1. Payment for installation of new pressure regulating valve (PRV) in vault in accordance with Section 15200.
2. Payment for this item shall be made at the contract unit price for each PRV furnished.

X. Bid Item No. 26 – Provide and Install 12" Flow Meters in Vault (Inlet)

1. Bid item includes furnishing 7'W x 7'L x 9'H valve vault and magnetic flow meter in vault as shown in the plans and specifications. The work includes labor, materials, equipment, fitting, and incidentals necessary for a complete installation of the flow meters in inlet vaults as shown in the drawings.
2. Payment for this item shall be made at the contract unit price for each of flow meter furnished.

Y. Bid Item No. 27 – Provide and Install 12" Flow Meters in Vault (Outlet)

1. Bid item includes furnishing 7'-8" W x 7'-8" L x 9'H valve vault with 4' x 4' Bilco hatch, sump with pump, lighting, ventilation, safety ladder and full restraint system as shown in the plans.
2. Work includes 12" pipe connection with the 16" main in Hilby, isolation valves, 12" flow meter, fittings, flex couplings as shown in the plans.
3. Work includes providing all labor, vault excavation, backfill, equipment, materials, and appurtenances necessary to furnish a fully functional Outlet Flow Meter Vault.
4. Payment for this item shall be made at the contract unit price of Lump Sum of the vault furnished

Z. Bid Item No. 28 – Provide and Install Above-Grade PRV Station for Outlet Pipe in Hilby

1. Payment for furnishing above grade outlet pipeline PRV station at Hilby Ave, will be measured as a lump sum for all labor, equipment, materials,

incidentals, and services as required, including concrete pad, fence and gate, site grading, complete in place as shown on the Plans and specified.

2. Payment for this item shall be made at the contract unit price of Lump Sum of the vault furnished

AA. Bid Item No. 29 – Provide and Install 2” Combination ARVs

1. Payment shall be made on the contract unit price for each Combination ARV assembly, installed complete in place as shown on the Plans and specified in the technical specifications.
2. Payment shall be deemed full compensation for all labor, equipment, incidentals, and materials for furnishing combination ARV valve, tubing connection with main, fittings, curb stop, utility box, enclosure, concrete slab, and all items recommended or specified by the valve manufacturer, and all work required to install valve complete in place as specified.

BB. Bid Item No. 30 – Provide and Install Blowoffs (Hydrant Style)

1. Payment shall be made on the contract unit price for furnishing blowoff assembly, installed complete in place as shown on the Plans and specified in the technical specifications.
2. Payment shall be deemed full compensation for all labor, equipment, materials, and incidentals for furnishing blowoff assembly as sizes indicated, riser, valve box and cover, thrust blocks and/or mechanical restraints, riser, tracer wire, and all items recommended or specified by the manufacturer, and all work required to install valve complete in place as specified.

CC. Bid Item No. 31 – System Connection at General Jim Moore Blvd. (Inlet)

Bid Item No. 32 – System Connection at Luzon St. (Outlet)

1. Payment for connecting new pipelines to existing pipelines. Includes investigating existing conditions and determining connection requirements, scheduling system outage request (SOR) with Owner and facilitating shutdowns and startups with O&M staff. Requires demolishing existing pipe to accommodate new pipelines, providing flanges, couplings, fittings required to make connection, and testing and disinfection to AWWA standards.

2. Payment for this item shall be made at the contract unit price as Lump Sum for each connection.

DD. Bid Item No. 33 – Connect of Existing 4"Steel pipe with Existing 8"AC pipe in Hilby Ave.

1. Payment for connecting existing 4"steel pipelines with existing 8"AC pipelines with new 4" DI pipelines. Includes investigating existing conditions and determining connection requirements, scheduling system outage request (SOR) with Owner and facilitating shutdowns and startups with O&M staff. Requires demolishing existing 4"steel pipe to accommodate new pipelines, providing flange adaptors, insulated dresser couplings, fittings required to make connection, and testing and disinfection to AWWA standards.
2. Payment for this item shall be made at the contract unit price as Lump Sum for each connection.

EE. Bid Item No. 34 – Relocate Water Service in Hilby Ave

1. Payment for relocation of 1"water services from demolished 4"steel pipeline to adjacent 8"AC pipeline. Services shall be reestablished to the Owner's requirements and includes, tapping the existing 8"AC pipe, corporation stops, copper pipe, compression fittings, testing, flushing and disinfection to AWWA and NSF standards.
2. Contractor shall notify customers of any outages and arrange temporary services during the relocation procedure.
3. Payment for this item shall be made per each service relocated.

FF. Bid Item No. 35 – Overflow Outlet Structure

1. Drain Pipeline Outlet Vault (Vault, Expansion Joints, Hatches) shall be paid on contract unit price for each of drain outlet vault furnished, shall include labor, vault excavation, backfill, equipment, materials, and appurtenances necessary to install the Drain Outlet Vault and appurtenances as shown in the drawings.
2. Payment for this item shall be made at the contract unit price for each of vault furnished

GG. Bid Item No. 36 – Provide and Install Electrical Service and Facilities

1. This item is a lump sum bid for furnishing and installing all electrical power to the reservoir site from existing supply at Hilby and General Jim Moore Blvd.
2. The work includes working with power provider to acquire power drop and bringing it in buried conduits to the reservoir site. At the site, provide local power control.
3. Install conduits, conduit supports, pull boxes, 4 light posts, wires, circuit breakers and associated accessories, lighting, wiring devices, disconnect switches, grounding system, testing and start up activities as shown on the plans, in accordance with the technical specifications, and as required, to provide a complete and operation system.

HH. Bid Item No. 37a – Design and Provide Cathodic Protection System for Metallic Pipelines and Appurtenances

Bid Item No. 37b – Design and Provide Cathodic Protection System for Metallic Appurtenances on Plastic Pipelines

1. Payment for designing and furnishing a cathodic protection system for the metallic pipelines and appurtenances or the metallic appurtenances on plastic pipelines.
2. The cathodic protection system shall be designed and furnished as per Section 13110 and the plans.
3. Payment for this item of work will be full compensation for furnishing all materials, tools, labor, and equipment necessary for potholing including but not limited to location and protection of the utility, excavation, traffic control, backfill and compaction, and restoration of grade, pavement, curbs, gutters, sidewalks, and landscaped areas.
4. Payment for this item shall be made at the contract unit price of Lump Sum for a fully furnished, functioning system.

II. Bid Item No. 38 – Headwalls

1. Payment for furnishing Type A headwalls and concrete apron as shown on the Plans. Payment for this item of work will be full compensation for furnishing all materials, tools, labor, and equipment necessary including but not limited to excavation, connection with pipe, backfill, compaction, and restoration of grade, pavement, curbs, gutters, sidewalks, and landscaped areas.

2. Payment for this item shall be made at the contract unit price for each of Headwall furnished (EA).

JJ. Bid Item No. 39 – Provide and Install 24” RCP Storm Drain

1. Payment for this item shall include full compensation for furnishing the 24" reinforce concrete pipe (RCP), including trench excavation, backfill and compaction, export of excess materials, labor, equipment, materials, and all necessary to install the storm drain pipe as shown on the Plans.
2. Payment for this item shall be made at the contract unit price for each linear feet of 24" RCP furnished.

KK. Bid Item No. 40 – Lined Ditch

1. Payment for this item shall include full compensation for furnishing the lined ditch, including excavation, grading, backfill and compaction, surface finishing, export of excess materials, labor, equipment, materials, and all necessary to install the lined ditch as shown on the Plans.
2. Payment for this item shall be made at the contract unit price for each linear feet of lined ditch furnished.

LL. Bid Item No. 41 – Asphalt Concrete Pavement

1. Full compensation for asphalt concrete furnished and placed for pavement restoration in conjunction with trenching for underground facilities, removal and/or replacement of existing facilities, conforming AC paving for paneled crossings and driveway, embedded crossings shall be considered as included in the various contract items of work and no additional compensation will be allowed therefore.
2. Payment for this item shall be made at the contract unit price for each ton (TON) of AC paving installed as required for street paving.

MM. Bid Item No. 42 – Gravel Pavement

1. Payment for installing gravel road to soccer field and around the new reservoirs as shown in the plans. The work shall include full compensation for furnishing all labor, materials, equipment, compaction of gravel road base and gravel road surface in accordance with the contract documents.
2. Gravel pavement will be measured and paid by Cubic Yard (CY) of gravel furnished.

NN. Bid Item No. 43 – Restoration of Pavement Traffic Striping

1. Payment for restoration of traffic striping after AC pavement has been replaced. Payment for this item of work will be full compensation for furnishing all materials, tools, labor, and equipment necessary for restoration of the traffic striping.
2. Traffic striping shall be restored to existing condition of better as documented in pre-construction survey (see Section 01532).
3. Payment for this item shall be made at the contract unit price of Lump Sum for complete replacement of traffic striping.

OO. Bid Item No. 44 – Repair of Traffic Loops

1. Payment for repairs to traffic control loops damaged by pipeline construction.
2. Payment for this item shall be made at the contract unit price for each traffic loop repaired.

PP. Bid Item No. 45 – Reseeding (CA Native Mix)

- ~~1. Payment for locating and potholing the existing underground utilities as shown on the Plans. Payment for this item of work will be full compensation for furnishing all materials, tools, labor, and equipment necessary for potholing including but not limited to location and protection of the utility, excavation, traffic control, backfill and compaction, and restoration of grade, pavement, curbs, gutters, sidewalks, and landscaped areas.~~
- ~~1. Payment for Reseeding includes all materials, tools, equipment, facilities, and services as required and specified in Section 02930 – Seeding.~~
2. Payment for this item shall be made at the contract unit price for square feet (SF).

PART 2 PRODUCTS

NOT USED.

PART 3 EXECUTION

****END OF SECTION****

**TECHNICAL SPECIFICATION
DIVISION 1: GENERAL REQUIREMENTS
01025: MEASUREMENT AND PAYMENT**

ADDENDA 1

Exhibit C to Addendum No. 1

Memorandum re: Summary of Revisions to Drawings and Specifications
September 17, 2015

Date: September 17, 2015

To: Chris Cook, CAW

From: Craig Smith, AECOM

Subject: ***MPWSP: Summary of Plans and Specifications Changes in Bid Addendum No. 1***

1.0 PURPOSE

The RFP for the Monterey Peninsula Water Supply Project (MPWSP) was issued with two drawing packages, Monterey Pipeline and Terminal Reservoir, at the 90% level. Revised, 100% drawings are being issued as part of Bid Addendum No. 1. The revised drawings do not feature revision clouds on the plan sets. As such, this memorandum serves to detail the changes made from the 90% level.

In addition to the revisions to the Monterey Pipeline and Terminal Reservoir packages, several revisions were made to the other Transmission Main Drawing Sets and Technical Specifications.

Because these documents were issued at 100% previously, they do feature revision clouds/notation to identify changes made. Please refer to the Addendum 1 drawings and specification sections for the changes.

2.0 MONTEREY PIPELINE

A detailed list of changes for the Monterey Pipeline drawing package can be found in Attachment 1. A notable change is the addition of sheets C44-C52, which provide additional details on the replacement and retirement of existing water mains.

The specification for the pipeline bridge on the Monterey Pipeline was not included in the initial RFP. The specification 05520 – Prefabricated Steel Bridge Performance Standards has been added.

Besides the new sheets, the remaining changes generally consist of minor alignment refinements, additional notes and callouts, and relocation and addition of valves.

3.0 TERMINAL RESERVOIR

Please refer to Attachment 2 for a detailed list of changes to the Terminal Reservoir drawing and specifications.

3.1.1 Specifications

The majority of the revisions are corrections to formatting and section numbers. Various changes were made to Section 2630 – Storm Drainage Utilities and it is recommended the section be reviewed in its entirety.

3.1.2 Drawings

The main revisions to the drawings include:

- Relocated the Outlet Pipe PRS and Meter Vault from the south side of Hilby Ave. to the north side (Sheets C09, M16-M17)
- Modified the tie in location of the reservoir outlet pipe (Sheet C06).

Attachment 1: Monterey Pipeline Changelog - Bid Addenda 1

Previous: 90%

Revised: 100%

Item	Sheet	Description
1	Cover	<ul style="list-style-type: none"> Revised General Sheet Listing Added sheets C44 to C59 in Civil Sheet Listing
2	G02	<ul style="list-style-type: none"> Removed Demolition Legend
3	G03	<ul style="list-style-type: none"> Revised Utility Contacts Table Added Note 6 to General Notes
4	G04	<ul style="list-style-type: none"> Sheet Removed
5	G05	<ul style="list-style-type: none"> Sheet Removed
6	C00	<ul style="list-style-type: none"> Added Caltrans ROW Added sheet 1C43 to keymap
7	C01	<ul style="list-style-type: none"> Adjusted pipeline alignment Revised pipeline profile between STA 11+50 and 13+70 Revised location of tie in to (E) 30" pipe line Added callout for (E) 12.75" STL Water line Added Material Unknown to 1" Domestic lateral Revised Detail callout 2-M2 to 1-M20 Added callout for (E) SS along David Avenue Added additional utility crossing callouts to Profile Revised callout to Lower pipeline under (E) utilities in Profile Added Detail Sheet Reference to Note 3 Revised Note 4 Added Note 5 and Note 6
8	C02	<ul style="list-style-type: none"> Added callout for Note 1 to Plan view Revised Note 1
9	C03	<ul style="list-style-type: none"> Added callout for Note 1 to Plan view Revised Note 1
10	C04	<ul style="list-style-type: none"> Added callout for Note 1 to Plan view Revised Note 1 Added Note 2
11	C05	<ul style="list-style-type: none"> Revised Lower 36" water Line callout in Profile view
12	C06	<ul style="list-style-type: none"> Added Note 1
13	C07	<ul style="list-style-type: none"> Removed callouts for 11.25 Elbows in Plan view Added Note 2 Added Note 3
14	C08	<ul style="list-style-type: none"> Added Note 1 Revised callout "20 Ft Temporary construction easement" to "20 ft Pipe line easement"
15	C09	<ul style="list-style-type: none"> Added Note 1 Revised callout "20 Ft Temporary construction easement" to "20 ft Pipe line easement"
16	C10	<ul style="list-style-type: none"> Added Note 1
17	C11	<ul style="list-style-type: none"> Added Note 1
18	C12	<ul style="list-style-type: none"> Added Note 1

19	C13	<ul style="list-style-type: none"> • Revised Note 1 • Added Note 2 and 3 • Revised pipeline profile at 110+30 to 111+00
20	C14	<ul style="list-style-type: none"> • Revised Note 1 • Added Note 2 and 3 • Added BO-10A and WV-10A at STA 118+30
21	C15	<ul style="list-style-type: none"> • Revised Note 1 • Added Note 2 and 3 • Revised pipeline profile at 127+00 to 128+00
22	C16	<ul style="list-style-type: none"> • Added (E) 8'-6" box culvert at 31+20 • Shifted location of BO-11 • Added callout for 8" water line • Revised Note 1 • Added Note 2, 3 and 4
23	C17	<ul style="list-style-type: none"> • Added callout for Cass St. • Revised Note 1 • Added Note 2
24	C18	<ul style="list-style-type: none"> • Revised Fremont St callout to Munras St • Added callout to abandon (E) 4" water line • Revised location of AV-10 • Revised Note 1 • Added Note 2 and 3
25	C19	<ul style="list-style-type: none"> • Revised pipeline alignment • Added Note 1
26	C20	<ul style="list-style-type: none"> • Moved pipeline alignment slightly southerly • Added callouts for Lake and Pond to the north and south respectively • Revised Note 1 • Added Note 2 and 3
27	C21	<ul style="list-style-type: none"> • Moved pipeline alignment to center of the far left lane
28	C22	<ul style="list-style-type: none"> • Revised pipeline alignment • Added callout to Lower Water line below (E) Utilities to Profile • Moved location of BO-14 and WV-14 • Added new valve AV-12A at STA 180+75 • Added Note 3
29	C23	<ul style="list-style-type: none"> • Revised pipeline alignment • Revised pipeline profile between 183+60 to 187+00 • Moved location of BO-15 and WV-15
30	C25	<ul style="list-style-type: none"> • Added Note 1
31	C26	<ul style="list-style-type: none"> • Added Note 2 • Revised pipeline profile at 210+00 to 213+00 • Added callout for (E) 2" Water line
32	C27	<ul style="list-style-type: none"> • Added Note 2 • Added callout for (E) 1" Water line and 4.5" STL water line
33	C28	<ul style="list-style-type: none"> • Revised pipeline alignment • Added Note 1 and 2 • Revised profile
34	C29	<ul style="list-style-type: none"> • Revised pipeline alignment • Added callout for Monterey County Fairgrounds • Removed 45 degree elbow at 236+00 • Moved location of WV-18 • Added Note 1

35	C30	<ul style="list-style-type: none"> • Revised pipeline alignment • Added overhead electricity • Revised pipe profile at 248+20 to 249+50 • Moved location of BO-19 and WV-19 • Added Note 2
36	C31	<ul style="list-style-type: none"> • Revised pipeline alignment • Added piping leading to Monterey Pump Station Site • Added callout for Monterey Pump Station Site • Added (N) 24" BFV (2) • Added 36 x 24" Tee (2) • Added restrained cap (2) • Added overhead electricity • Added Note 2 and 3
37	C32	<ul style="list-style-type: none"> • Revised Note 1 • Added Note 2 • Added new valve AV-19A at STA 265+05
38	C33	<ul style="list-style-type: none"> • Revised pipeline alignment • Moved location of valve AV-19 • Revised pipeline profile between 270+50 to 273+00 • Added Note 1
39	C34	<ul style="list-style-type: none"> • Removed jack and bore pits • Revised Note 1 • Added Note 3, 4 and 5 • Added boundary line for Monterey Coastal Boundary • Added callout for Fremont St
40	C35	<ul style="list-style-type: none"> • Added Note 1 • Revised pipeline profile between 284+50 to 286+50 and 291+50 to 292+00 • Moved location of valve AV-20 • Added cover requirement callout to profile • Added callout to Lower Water line to go under (E) utilities to Profile at STA 286+50 to 289+75
41	C36	<ul style="list-style-type: none"> • Revised Note 1 • Added Note 2 • Added valve AV-20A at STA 297+20 • Added dimensions to water line crossing at 294+89
42	C37	<ul style="list-style-type: none"> • Revised Note 1 • Moved location of valve AV-21 (from C38)
43	C38	<ul style="list-style-type: none"> • Revised Note 1 • Removed references to (F) SD lines • Revised pipeline profile between STA 308+50 to 309+50 and 311+50 to 312+10 • Moved location of valve AV-21 to C37
44	C39	<ul style="list-style-type: none"> • Revised Note 1 • Revised pipeline profile between STA 320+60 to 321+00 and STA 324+00 to 324+80 • Moved location of BO-24 and WV-24 and AV-22 • Removed references to (F) SD lines
45	C40	<ul style="list-style-type: none"> • Revised Note 1 and Note 2 • Removed references to (F) SD lines • Moved valve AV-23 to C41

46	C41	<ul style="list-style-type: none"> • Moved AV-23 (from C40) to STA 336+00 • Moved location of BO-25 • Revised pipeline profile between STA 336+00 to 338+00 and 341+30 to 342+30 • Removed 45 degree elbow at 337+00 • Moved location of 45 degree elbow at 337+75 to 337+50 • Removed refernces to (F) SD line
47	C42	<ul style="list-style-type: none"> • Revised pipeline alignment between STA 346+60 to 350+00 • Revised Note 1 and Note 2 • Removed Note 4 • Added new valve ARV-23A • Revised callout of "(E) 12" PRV with 6" bypass, See Note 4" to "(E) 12" PRV • Removed callout for "Retire in Place (E) 16" PVC Water pipe between Yosemite St and PRV
48	C43	<ul style="list-style-type: none"> • Changed location of Crest PRS • Recentered aerial
49	C44 - C52	<ul style="list-style-type: none"> • New sheets added
50	M01	<ul style="list-style-type: none"> • Revised valve tables to include new valves. New valves are designated ##_letter

Attachment 2: Terminal Reservoir Changelog - Bid Addenda 1

Previous: 90%
 Revised: 100%

Specifications

Item	Section	Description
1	TOC	<ul style="list-style-type: none"> Corrected the specification section "Schedule of Values" from section number 01301 to 01310. Placed the section 02630 in correct number sequence.
2	01025	<ul style="list-style-type: none"> Corrected format, not contents changed.
3	01310	<ul style="list-style-type: none"> Corrected section number in footer.
4	02125	<ul style="list-style-type: none"> Corrected section number in footer and header.
5	2140	<ul style="list-style-type: none"> Corrected section number in footer and header.
6	2630	<ul style="list-style-type: none"> Various changes made.
7	13205	<ul style="list-style-type: none"> Subsection 2.12.D - Revised to No polysulfide joint sealant is allowed

Drawings

Item	Sheet	Description
1	General	<ul style="list-style-type: none"> Re-ordered General Sheets G02 to G05
2	C04	<ul style="list-style-type: none"> Revised cross section cut direction
3	C06-C12	<ul style="list-style-type: none"> Revised plan and profiles
4	C06	<ul style="list-style-type: none"> Modified the tie-in location of 16" Terminal Reservoir Outlet pipe with the existing water line near Hilby Ave at Yosemite St. Revised profiles and location of water and blow-off valves
5	C09	<ul style="list-style-type: none"> Moved Outlet Pipe PRS and Meter Vault from south side of Hilby Avenue to North Side.
6	CD02	<ul style="list-style-type: none"> Added Notes for Detail 4
7	CD04	<ul style="list-style-type: none"> Revised Notes for Detail 1
8	M03	<ul style="list-style-type: none"> Made corrections to Section B
9	M04	<ul style="list-style-type: none"> Made revisions to Detail's title
10	M05	<ul style="list-style-type: none"> Removed Detail 2
11	M06	<ul style="list-style-type: none"> Revised Detail 4
12	M07	<ul style="list-style-type: none"> Removed Detail 2
13	M08	<ul style="list-style-type: none"> Revised Detail 1
14	M09	<ul style="list-style-type: none"> Revised Detail 5
15	M13	<ul style="list-style-type: none"> Revised Detail 5
16	M16-M17	<ul style="list-style-type: none"> Modified layouts and details due to relocation of PRS and meter vault to north side of Hilby Ave.