

Meeting Date: 1/5/2016

Report Type: Consent

Report ID: 2016-00008

Title: Change Order: Curtis Park Water Main Replacement Project, Phase 2

Location: District 5

Recommendation: Pass a Motion authorizing the City Manager or his designee to approve Change Order No. 1 to Contract No. 2015-0879 with Navajo Pipelines, Inc., for replacement of additional water main within the project boundaries for an amount not-to-exceed \$111,700, bringing the total Contract amount to \$5,849,707.50.

Contact: Dan Sherry, Engineering & Water Resources Manager, (916) 808-1419; Michelle Carrey, Supervising Engineer, (916) 808-1438; Megan Thomas, Associate Civil Engineer, (916) 808-1729, Department of Utilities

Presenter: None

Department: Department Of Utilities

Division: Engineering & Water Resources

Dept ID: 14001311

Attachments:

- 1-Description/Analysis
- 2-Background
- 3-Area Map
- 4-Contract
- 5-Change Order

City Attorney Review

Approved as to Form
Joe Robinson
12/15/2015 10:56:15 AM

Approvals/Acknowledgements

Department Director or Designee: Bill Busath - 12/4/2015 9:38:12 AM

Description/Analysis

Issue Detail: City staff recommends the approval of a change order adding the replacement of approximately 1,300-ft of failing 8-inch diameter water main to the existing Curtis Park Water Main Replacement Project, Phase 2 contract.

Policy Considerations: Change orders exceeding \$100,000 require City Council approval. The additional water main replacement will be performed for the unit costs specified in the contract.

Economic Impacts: The addition of this work to the Curtis Park Water Main Replacement Project, Phase 2, is expected to create an additional 0.45 total jobs (0.26 direct jobs and 0.19 jobs through indirect and induced activities) and create \$68,967.49 in total economic output (\$43,470.74 of direct output and another \$25,496.75 of output through indirect and induced activities).

The indicated economic impacts are estimates calculated using a calculation tool developed by the Center for Strategic Economic Research (CSER). CSER utilized the IMPLAN input-output model (2009 coefficients) to quantify the economic impacts of a hypothetical \$1 million of spending in various construction categories within the City of Sacramento in an average one-year period. Actual impacts could differ significantly from the estimates and neither the City of Sacramento nor CSER shall be held responsible for consequences resulting from such differences.

Environmental Considerations: The Community Development Department, Environmental Planning Services Division, has reviewed the proposed additional work and has determined that this work is categorically exempt from the California Environmental Quality Act (CEQA), under CEQA Guidelines Section numbers 15302(c). The additional work consists of the replacement of existing water main (utility systems) involving negligible expansion of capacity (CEQA Guidelines Section 15302(c)).

Sustainability: The Curtis Park Water Main Replacement Project's meter retrofits are consistent with the City's Sustainability Master Plan goal of improving water conservation awareness, as the installation of water meters will allow the City to provide a monthly statement of water usage to the customers. Metered billing also furthers the City's progress in implementing the Water Forum Agreement and the California Urban Water Conservation Council Best Management Practices (BMPs 1, 4, and 7).

Commission/Committee Action: Not Applicable

Rationale for Recommendation: The project was formally advertised to solicit public bids, and opened by the City Clerk on May 6, 2015. Four firms bid on the project, as follows:

1) Navajo Pipelines, Inc.	Bid Amount: \$5,738,007.50
2) Teichert Construction	Bid Amount: \$6,147,700.00
3) Flores Paving	Bid Amount: \$6,170,227.00
4) Marquez Pipeline, Inc.	Bid Amount: \$6,312,860.00

The contract was awarded to the low bidder, Navajo Pipelines, Inc. Since the commencement of construction, a portion of the water main not scheduled for replacement has experienced several failures of the pipeline. Approval of this change order is recommended to replace the failed pipeline within the existing water main replacement project area.

Financial Considerations: The Curtis Park Water Main Replacement Project, Phase 2 was awarded to Navajo Pipelines, Inc., on June 16, 2015, for a contract amount of \$5,738,008. The proposed change order for additional water main replacement is \$111,700. There is sufficient funding in the Curtis Park Water Main Replacement Project Z14010000 (Water Revenue Bond Ser. 2013, Fund 6310) to award the contract and complete the project.

Local Business Enterprise (LBE): Navajo Pipelines, Inc. is an LBE.

BACKGROUND

The Curtis Park Water Main Replacement Project, Phase 2, is replacing existing water distribution mains and installing new water meters in the Curtis Park area as part of the City's Water Meter Retrofit Program.

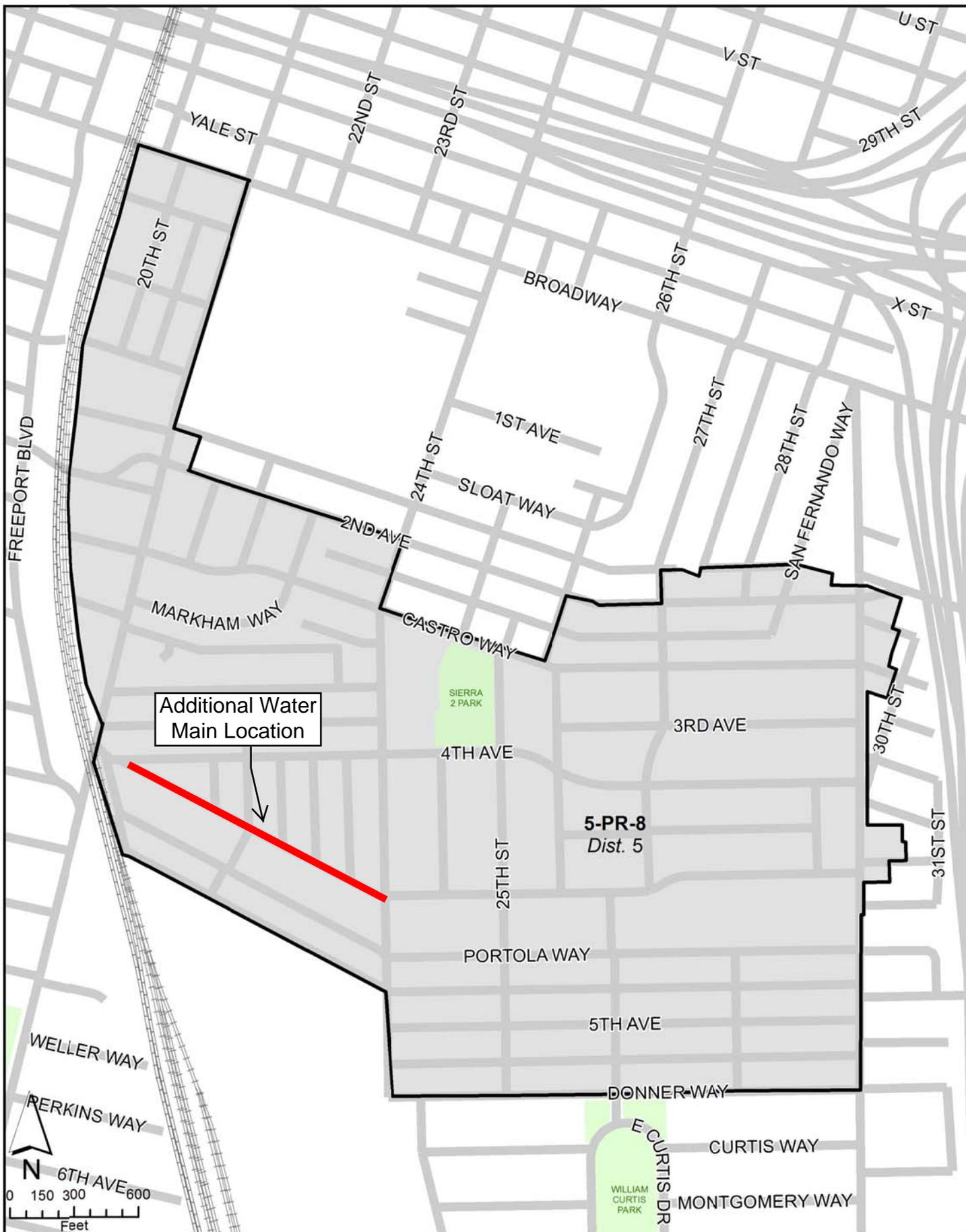
Within the project boundaries, the existing water distribution system consists of old cast iron mains located in residential backyards and in street right-of-ways. The following criteria was researched and analyzed to determine if abandonment and replacement of water mains was necessary as part of this project: existing easements, flow capacity of existing water mains, leak history, and encroachments over existing water facilities. Based on the analysis, the original project included approximately 25,000 lineal feet of main to be replaced, including all backyard water mains and some water mains within existing public streets and alleys.

During the installation of water meters along Marshall Way, the 6" diameter cast iron water main within the street section failed and began to leak. After the leak was repaired and the failure was being assessed, the water main failed a second time in a different location as a service was being connected. The assessment of the pipe confirmed that the water main had exceeded its useful life and needed to be replaced.

Under the existing contract with Navajo Pipelines, City staff is recommending the approval of a change order adding the replacement of approximately 1,300-ft of existing water main to the existing Curtis Park Water Main Replacement Project, Phase 2 contract.

LOCATION MAP

Curtis Park Water Main Rpl Ph2



Date: 12/4/2013

© City of Sacramento, DOU

ENGINEERING SERVICES DIVISION

**CONTRACT SPECIFICATIONS
FOR**

CURTIS PARK WATER MAIN REPLACEMENT, PHASE 2

PN: Z14010062

B15141321017

Engineer's Estimate: \$ 6,800,000.00

2015-0879

Title: Curtis Park Water Main Replacement, Phase 2
Other Party: Navajo Pipelines, Inc.

For Pre-Bid Information Call:

Separate Plans

Megan Thomas
Associate Engineer
(916) 808-1729

Bid to be received before 2:00 PM
May 6, 2015
City Hall, Office of the City Clerk
915 I Street, 5th Floor, Public Counter
Sacramento, CA 95814

LBE PROGRAM PARTICIPATION

For information on meeting the City of Sacramento's Local Business Enterprise (LBE) project goals, please contact Veronica A. Smith at (916) 808-1046, or visit the City of Sacramento's small business web site at: <http://www.cityofsacramento.org/econdev/business-open/small-business-certification.cfm>

Curtis Park Water Main Replacement, Phase 2
(PN: Z14010062)

ADDENDUM #1

April 20, 2015

To All Potential Bidders:

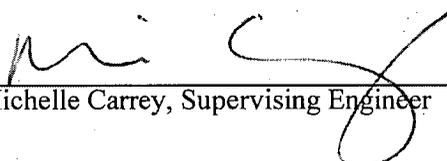
Attached hereto are addenda items, which shall be incorporated into the Plans and Specifications for the above noted project. These changes shall be considered as part of the original documents, as if they were originally provided therein, and as such shall be used as contractual documents. All other terms, conditions, and specifications of the bid remain unchanged. Bidders must acknowledge receipt of this addendum prior to the hour and date specified for bids to be received by one of the following methods:

- (a) By acknowledging receipt on the sealed proposal in the space provided.
- (b) By separate letter that includes a reference to the Project Name and the Addendum Number.

Failure to acknowledge receipt of this addendum in one of the above methods and cause acknowledgment to be received prior to the hour and date specified for receipt of proposals **may result in rejection of your proposal.** If by virtue of this addendum you decide to change a proposal already submitted, such change may be made by letter, provided such letter makes reference to the Project Name and this Addendum, and is received prior to the hour and date specified for receipt of proposals.

For any questions related to this addendum, contact the Project Manager, Megan Thomas, at (916) 808-1729.

Sincerely,


Michelle Carrey, Supervising Engineer

Addendum
Enclosure

cc: Distribution List
Planholders

Curtis Park Water Main Replacement, Phase 2 (PN: Z14010062)

Item #1 - The bid sheet line **Item 38 “Concrete, to Remove and Replace”** quantity shall be changed from 800-square feet to **4,200-square feet**. The bid sheet line **Item 39 “Asphalt Concrete Pavement, to Remove and Replace”** shall be changed from 500-square feet to **1,000-square feet**.

Item #2 - Special Provisions - Section 1.20 - Contractor Identification

Delete and replace with the following language:

Contractor staff entering private property for work under this contract shall wear, and visibly display, an approved photo identification badge at all times. This identification card shall be presented to the home owner/resident at time of entry onto private property. The identification badge shall match the template provided in the Appendix of these Special Provisions.

Item #3 - Special Provisions - Section 3.12 - Contractor Receipt of City Supplied Material

In the first paragraph, delete the sentence:

“The City will supply all Badger ORION Fixed Network (SE) endpoints to be connected on the meters and installed through the meter box lid, and all meters three inches and larger.”

Replace with the following:

“The City shall supply all Badger ORION Fixed Network (SE) endpoints to be connected to the meters and installed through the meter box lid. The City shall also supply the ORION cap and all meters three inches and larger.”

Item #4 - Special Provisions - Section 4 - Items of the Proposal

a) **Item No. 3** “Meter Retrofit of 1-inch Water Service”, **Item No. 4** “Meter Retrofit of 1½-inch Water Service”, and **Item No. 5** “Meter Retrofit of 2-inch Water Service”

Under Paragraph 1: Delete the sentence “The City will furnish, and the Contractor shall install, meters 3” and larger and Badger ORION Fixed Network (SE) endpoints” and replace with “The City will furnish, and the Contractor shall install, Badger ORION Fixed Network (SE) endpoints”.

b) **Item No. 3** “Meter Retrofit of 1-inch Water Service”, **Item No. 4** “Meter Retrofit of 1½-inch Water Service”, and **Item No. 5** “Meter Retrofit of 2-inch Water Service”

Delete the following paragraph:

Surface restoration associated with this item shall be in accordance with the section of the Water Construction Requirements of these Special Provisions, entitled "Pavement Cutting and Surface Restoration". Pavement cutting shall be perpendicular and parallel to the centerline of the road. The Contractor shall saw cut, repair or replace existing sidewalk, driveway, alley or street surface, provide new sod, shrubbery, fencing, and repair or replacement of existing improvements on private property that may be damaged as a result of the installation of the meter service retrofit. All surface restoration in the street or right of way shall be paid for under this item. All landscape surface or unimproved alley restoration, shall be paid for under this bid item. Any concrete restoration on private property with a broom, exposed aggregate, trowel, or salt finish, along with additional sidewalk panels, shall be paid for under the "Concrete, to Remove and Replace" bid item. Any asphaltic concrete restoration on private property shall be paid for under the "Asphaltic Concrete Pavement to Remove and Replace" bid item. All other hardscape surface not covered under the "Concrete, to Remove and Replace" bid item, shall be paid for as extra work per section 4-6 of the City Standard Specifications.

Replace it with the following:

Surface restoration associated with this item shall be in accordance with the section of the Water Construction Requirements of these Special Provisions, entitled "Pavement Cutting and Surface Restoration". Pavement cutting shall be perpendicular and parallel to the centerline of the road. The Contractor shall saw cut, repair or replace existing sidewalk, driveway, alley or street surface, provide new sod, shrubbery, fencing, and repair or replacement of existing improvements on private property that may be damaged as a result of the installation of the meter service retrofit. All landscape surface or unimproved alley restoration, shall be paid for under this bid item. Any concrete restoration, **within public right-of-way or on private property**, with a broom, exposed aggregate, trowel, or salt finish, along with additional sidewalk panels, shall be paid for under the "Concrete, to Remove and Replace" bid item. Any asphaltic concrete restoration, **within public right-of-way or on private property**, shall be paid for under the "Asphaltic Concrete Pavement to Remove and Replace" bid item. All other hardscape surface not covered under the "Concrete, to Remove and Replace" bid item, shall be paid for as extra work per section 4-6 of the City Standard Specifications.

c) **Item No. 6** "2-inch and Smaller Substandard Water Service"

Delete the following paragraph:

Surface restoration associated with this item shall be in accordance with the section of the Water Construction Requirements of these Special Provisions, entitled "Pavement Cutting and Surface Restoration". Pavement cutting shall be perpendicular and parallel to the centerline of the road. The Contractor shall saw cut, repair or replace existing sidewalk, driveway, alley or street surface, provide new sod, shrubbery, fencing, and repair or replacement of existing improvements on private property that may be damaged as a result of the installation of the

substandard water service. All surface restoration in the street or right of way shall be paid for under this item. All landscape surface restoration shall be paid for under this bid item. Any concrete restoration on private property with a broom, exposed aggregate, trowel, or salt finish, along with any additional sidewalk panels, shall be paid for under the "Concrete, to Remove and Replace" bid item. Any asphaltic concrete restoration on private property shall be paid for under the "Asphaltic Concrete Pavement to Remove and Replace" bid item. All other hardscape surface not covered under the "Concrete, to Remove and Replace" bid item, shall be paid for as extra work per section 4-6 of the City Standard Specifications.

Replace it with the following:

Surface restoration associated with this item shall be in accordance with the section of the Water Construction Requirements of these Special Provisions, entitled "Pavement Cutting and Surface Restoration". Pavement cutting shall be perpendicular and parallel to the centerline of the road. The Contractor shall saw cut, repair or replace existing sidewalk, driveway, alley or street surface, provide new sod, shrubbery, fencing, and repair or replacement of existing improvements on private property that may be damaged as a result of the installation of the substandard water service. All **asphaltic concrete** restoration in the street or right of way shall be paid for under this item. All landscape surface **or unimproved alley** restoration, shall be paid for under this bid item. Any concrete restoration, **within public right-of-way or on private property**, with a broom, exposed aggregate, trowel, or salt finish, along with any additional sidewalk panels, shall be paid for under the "Concrete, to Remove and Replace" bid item. Any asphaltic concrete restoration on private property shall be paid for under the "Asphaltic Concrete Pavement to Remove and Replace" bid item. All other hardscape surface not covered under the "Concrete, to Remove and Replace" bid item, shall be paid for as extra work per section 4-6 of the City Standard Specifications.

- d) **Item No. 7** "Hybrid Water Service w/ Meter Box, to Furnish and Install (main to front/side hose bib)", **Item No. 8** "Hybrid Water Service w/ Meter Box, to Furnish and Install (main to rear of property)", **Item No. 9** "1½-Inch Water Service w/ Meter Box, to Furnish and Install (main to front/side hose bib)", **Item No. 10** "1½-Inch Water Service w/ Meter Box, to Furnish and Install (main to rear of property)", **Item No. 11** "2-Inch Water Service w/Meter Box, to Furnish and Install (main to front/side of property)", and **Item No. 12** "2-Inch Water Service w/Meter Box, to Furnish and Install (main to rear of property)"

Delete the following paragraph:

Surface restoration associated with this item shall be in accordance with the section of the Water Construction Requirements of these Special Provisions, entitled "Pavement Cutting and Surface Restoration". Pavement cutting shall be perpendicular and parallel to the centerline of the road. The Contractor shall saw cut, repair or replace existing sidewalk, driveway, alley or street surface, provide new sod, shrubbery, fencing, and repair or replacement of existing improvements on private property that may be damaged as a result of the installation of the water service. All surface restoration in the street or right of way shall be paid for under this item. All landscape surface restoration shall be paid for under this bid item. Any concrete

restoration on private property with a broom, exposed aggregate, trowel, or salt finish, along with any additional sidewalk panels, shall be paid for under the "Concrete, to Remove and Replace" bid item. Any asphaltic concrete restoration on private property shall be paid for under the "Asphaltic Concrete Pavement to Remove and Replace" bid item. All other hardscape surface not covered under the "Concrete, to Remove and Replace" bid item, shall be paid for as extra work per section 4-6 of the City Standard Specifications.

Replace it with the following:

Surface restoration associated with this item shall be in accordance with the section of the Water Construction Requirements of these Special Provisions, entitled "Pavement Cutting and Surface Restoration". Pavement cutting shall be perpendicular and parallel to the centerline of the road. The Contractor shall saw cut, repair or replace existing sidewalk, driveway, alley or street surface, provide new sod, shrubbery, fencing, and repair or replacement of existing improvements on private property that may be damaged as a result of the installation of the water service. All **asphaltic concrete** restoration in the street or right of way shall be paid for under this item. All landscape surface or **unimproved alley** restoration shall be paid for under this bid item. Any concrete restoration, **within public right-of-way or on private property**, with a broom, exposed aggregate, trowel, or salt finish, along with any additional sidewalk panels, shall be paid for under the "Concrete, to Remove and Replace" bid item. Any asphaltic concrete restoration on private property shall be paid for under the "Asphaltic Concrete Pavement to Remove and Replace" bid item. All other hardscape surface not covered under the "Concrete, to Remove and Replace" bid item, shall be paid for as extra work per section 4-6 of the City Standard Specifications.

- e) **Item No. 13** "1-inch Water Service w/ Meter (main to existing service)", **Item No. 14** "1½-Inch Water Service w/ Meter (main to existing service)", and **Item No. 15** "2-inch Water Service w/ Meter (main to existing service)"

Delete the following paragraph:

Surface restoration associated with this item shall be in accordance with the section of the Water Construction Requirements of these Special Provisions, entitled "Pavement Cutting and Surface Restoration". Pavement cutting shall be perpendicular and parallel to the centerline of the road. The Contractor shall saw cut, repair or replace existing sidewalk, driveway, alley or street surface, provide new sod, shrubbery, fencing, and repair or replacement of existing improvements on private property that may be damaged as a result of the installation of the water service. All surface restoration in the street or right of way shall be paid for under this item. All landscape surface restoration shall be paid for under this bid item. Any concrete restoration on private property with a broom, exposed aggregate, trowel, or salt finish, along with any additional sidewalk panels, shall be paid for under the "Concrete, to Remove and Replace" bid item. Any asphaltic concrete restoration on private property shall be paid for under the "Asphaltic Concrete Pavement to Remove and Replace" bid item. All other hardscape surface not covered under the "Concrete, to Remove and Replace" bid item, shall be paid for as extra work per section 4-6 of the City Standard Specifications.

Replace it with the following:

Surface restoration associated with this item shall be in accordance with the section of the Water Construction Requirements of these Special Provisions, entitled "Pavement Cutting and Surface Restoration". Pavement cutting shall be perpendicular and parallel to the centerline of the road. The Contractor shall saw cut, repair or replace existing sidewalk, driveway, alley or street surface, provide new sod, shrubbery, fencing, and repair or replacement of existing improvements on private property that may be damaged as a result of the installation of the water service. All **asphaltic concrete** restoration in the street or right of way shall be paid for under this item. All landscape surface **or unimproved alley** restoration, shall be paid for under this bid item. Any concrete restoration, **within public right-of-way or on private property**, with a broom, exposed aggregate, trowel, or salt finish, along with any additional sidewalk panels, shall be paid for under the "Concrete, to Remove and Replace" bid item. Any asphaltic concrete restoration on private property shall be paid for under the "Asphaltic Concrete Pavement to Remove and Replace" bid item. All other hardscape surface not covered under the "Concrete, to Remove and Replace" bid item, shall be paid for as extra work per section 4-6 of the City Standard Specifications.

f) **Item No. 26** "Additional 2-inch and Smaller Water Pipe, to Furnish and Install"

Delete the following paragraph:

Surface restoration associated with this item shall be in accordance with the section of the Water Construction Requirements of these Special Provisions, entitled "Pavement Cutting and Surface Restoration". Pavement cutting shall be perpendicular and parallel to the centerline of the road. The Contractor shall saw cut, repair or replace existing sidewalk, driveway, alley or street surface, provide new sod, shrubbery, fencing, and repair or replacement of existing improvements on private property that may be damaged as a result of the installation of the additional pipe. All surface restoration in the street or right of way shall be paid for under this item. All landscape surface restoration shall be paid for under this bid item. Any concrete restoration on private property with a broom, exposed aggregate, trowel, or salt finish, along with any additional sidewalk panels, shall be paid for under the "Concrete, to Remove and Replace" bid item. Any asphaltic concrete restoration on private property shall be paid for under the "Asphaltic Concrete Pavement to Remove and Replace" bid item. All other hardscape surface not covered under the "Concrete, to Remove and Replace" bid item, shall be paid for as extra work per Section 4-6 of the City Standard Specifications.

Replace it with the following:

Surface restoration associated with this item shall be in accordance with the section of the Water Construction Requirements of these Special Provisions, entitled "Pavement Cutting and Surface Restoration". Pavement cutting shall be perpendicular and parallel to the centerline of the road. The Contractor shall saw cut, repair or replace existing sidewalk, driveway, alley or street surface, provide new sod, shrubbery, fencing, and repair or replacement of existing improvements on private property that may be damaged as a result of the installation of the additional pipe. All

asphaltic concrete restoration in the street or right of way shall be paid for under this item. All landscape surface **or unimproved alley** restoration, shall be paid for under this bid item. Any concrete restoration, **within public right-of-way or on private property**, with a broom, exposed aggregate, trowel, or salt finish, along with any additional sidewalk panels, shall be paid for under the "Concrete, to Remove and Replace" bid item. Any asphaltic concrete restoration on private property shall be paid for under the "Asphaltic Concrete Pavement to Remove and Replace" bid item. All other hardscape surface not covered under the "Concrete, to Remove and Replace" bid item, shall be paid for as extra work per section 4-6 of the City Standard Specifications.

g) **Item No. 27** "1½-Inch Schedule 40 PVC Pipe, to Furnish and Install"

Delete the following paragraph:

Surface restoration associated with this item shall be in accordance with the section of the Water Construction Requirements of these Special Provisions, entitled "Pavement Cutting and Surface Restoration". Pavement cutting shall be perpendicular and parallel to the centerline of the road. The Contractor shall saw cut, repair or replace existing sidewalk, driveway, alley or street surface, provide new sod, shrubbery, fencing, and repair or replacement of existing improvements on private property that may be damaged as a result of the installation of the additional pipe. All surface restoration in the street or right of way shall be paid for under this item. All landscape surface restoration shall be paid for under this bid item. Any concrete restoration on private property with a broom, exposed aggregate, trowel, or salt finish, along with any additional sidewalk panels, shall be paid for under the "Concrete, to Remove and Replace" bid item. Any asphaltic concrete restoration on private property shall be paid for under the "Asphaltic Concrete Pavement to Remove and Replace" bid item. All other hardscape surface not covered under the "Concrete, to Remove and Replace" bid item, shall be paid for as extra work per Section 4-6 of the City Standard Specifications.

Replace it with the following:

Surface restoration associated with this item shall be in accordance with the section of the Water Construction Requirements of these Special Provisions, entitled "Pavement Cutting and Surface Restoration". The Contractor shall provide new sod, shrubbery, fencing, and repair or replacement of existing improvements on private property that may be damaged as a result of the installation of the additional pipe. All landscape surface restoration shall be paid for under this bid item. Any concrete restoration, on private property, with a broom, exposed aggregate, trowel, or salt finish, shall be paid for under the "Concrete, to Remove and Replace" bid item. Any asphaltic concrete restoration on private property shall be paid for under the "Asphaltic Concrete Pavement to Remove and Replace" bid item. All other hardscape surface not covered under the "Concrete, to Remove and Replace" bid item, shall be paid for as extra work per Section 4-6 of the City Standard Specifications.

h) **Item No. 35** "Mains to Cap"

Remove Item No. 35 "Mains to Cap" and replace with the following:

Item No. 35 "Mains to Remain":

This item shall incorporate locations where water mains are being abandoned but the interconnecting water main is to remain live. This item shall consist of removing existing tees, taps, and fittings, and furnishing and installing a minimum 3-foot length of PVC pipe (sized to match the existing water main) with transition couplings and other fittings necessary to complete the abandonment and reactivation of the mains which are to remain live, at the locations and to the details shown in the Plans or as directed by the Engineer. Mains shall be exposed at the point of abandonment a minimum of one (1) working day prior to shutdown for Engineer's final approval of cut location.

This item shall include any dewatering needed to prevent contamination of the existing water main in the event a positive shutdown is not obtained to complete the work.

For the 24" transmission main, capping of the main will be required instead of removing of the tee or hot tap. At locations where permanent caps will be installed on existing water mains, which are to remain live, the water main shall be exposed a minimum of one (1) working day prior to capping for Engineer's final approval of cut location. The method of capping the mains depends on the type of existing pipe:

- Asbestos-cement pipe shall be transition flex coupling, 3-foot PVC pipe, and an MJ cap with a thrust block.
- Cast iron, ductile iron, and PVC pipe shall be capped by installing an MJ cap and a thrust block.
- Steel pipe shall be capped by installing a blind flange, or welding on a 1/4-inch thick steel plate, and exposed metal shall be coated with epoxy.

Cut pipe, valves, tees, fittings and appurtenances to be removed as indicated on the Plans or as directed by the Engineer shall become the property of the Contractor and shall be disposed of at the Contractor's expense.

Surface restoration associated with this item shall be performed as specified elsewhere in these Special Provisions and paid for under this item.

Payment for this item shall be at the contract lump sum and shall include full compensation for furnishing all labor, materials, tools and equipment, and for performing all work necessary to complete this item in place.

i) **Item No. 37 "Existing Valves, Tees, Saddles, and Water Mains, to Remove or Abandon"**

Remove the existing description of this item and replace with the following:

This item shall consist of disconnecting existing taps and removing or abandoning existing valves, tees, saddles and water mains as indicated on the Plans or as directed by the Engineer in accordance with these Special Provisions.

At locations where the water main will be abandoned, the main shall be exposed a minimum of one (1) working day prior to completing the work for Engineer's final approval of cut location. All abandoned connections shall be removed such that no protrusions remain on the live main, and any sections removed from the live main shall be repaired. The method for a main to be abandoned shall be one of the following, depending on the material of the water main:

- Asbestos-cement, ductile iron, PVC, and cast iron pipe shall be plugged with two (2) feet of concrete.
- Steel pipe shall be abandoned by either welding 1/4-inch thick steel plate on cut ends or plugging with two (2) feet of concrete.
- In the event that valve shutdown does not effect a positive shutdown, use of an MJ cap to abandon pipe, rather than welding or plugging with concrete, will be subject to Engineer approval and shall continue to be paid under this item.

Cut pipe, valves, tees, fittings and appurtenances to be removed as indicated on the Plans or as directed by the Engineer shall become the property of the Contractor and shall be disposed of at the Contractor's expense.

Removal of existing valves shall include removing all appurtenances associated with the valve including, but not limited to, risers, valve boxes and lids.

Payment shall be at the contract lump sum and shall include full compensation for furnishing all labor, materials, tools and equipment, and for performing all work necessary to complete this item in place.

j) **Item No. 38** "Concrete, to Remove and Replace"

Delete the following paragraph:

This item shall cover all concrete pavement replacement not specified in the previous bid items including additional sidewalk panels and concrete encountered on private property with a broom, exposed aggregate, trowel, or salt finish, required to be removed and replaced as necessary to install and connect residential water services and to abandon back yard water services. The removal and replacement of on-site concrete, decks, patios, walkways, driveways, and sidewalks in order to construct new water services, shall be paid for under this item. Limits of concrete removal and replacement shall be approved by the Engineer prior to work.

Replace it with the following:

This item shall cover all concrete pavement replacement not specified in the previous bid items including **sidewalk panels, concrete alleys**, and concrete encountered on private property with a broom, exposed aggregate, trowel, or salt finish, required to be removed and replaced as necessary to install and connect residential water services and to abandon **existing** water services. The removal and replacement of on-site concrete, decks, patios, walkways,

driveways, and sidewalks in order to construct new water services, shall be paid for under this item. Limits of concrete removal and replacement shall be approved by the Engineer prior to work.

**CURTIS PARK WATER MAIN REPLACEMENT, PHASE 2
TABLE OF CONTENTS**

INVITATION TO BID Page 1 of 2

LBE INFORMATION Page 1 of 1

NOTICE TO CONTRACTORS Page 1 of 1

PROPOSAL FORMS (To be submitted by all Bidders as the Bid Page)

Sealed Proposal..... Page 1 of 3

Bid Proposal Guarantee..... Page 1 of 1

Subcontractor and LBE Participation Verification..... Page 1 of 1

Drug-Free Workplace Policy and Affidavit..... Page 1 of 1

Minimum Qualifications Questionnaire Page 1 of 6

Requirements of the Non-Discrimination in Employee Benefits Code Page 1 of 8

Construction and Demolition (C&D) Debris Recycling Requirements..... Page 1 of 2

C & D Waste Management Plan..... Page 1 of 2

C&D Debris Haulers & Facilities..... Page 1 of 1

C&D Debris Waste Log..... Page 1 of 1

LBE Requirements (City Contracts no Federal Funds Used)..... Page 1 of 4

CONTRACT FORMS (Only for successful Bidder)

Worker's Compensation Insurance Certification Page 1 of 1

Agreement Page 1 of 14

Bonds Page 1 of 6

• Performance Bond

• Payment Bond

•

CALIFORNIA LABOR CODE RELATING TO APPRENTICES Page 1 of 1

TAX FORMS (REQUIRED UPON AWARD)

W-9 Page 1 of 1

CA Form 590..... Page 1 of 1

SPECIAL PROVISIONS

LBE INFORMATION

The City of Sacramento's Local Business Development program establishes an annual local business enterprise (LBE) participation goal for City contracts, and authorizes City departments to require minimum LBE participation levels in individual contracts. Under City Code section 3.60.270, all bidding contractors must meet or exceed the minimum LBE participation requirement specified in the contract's bid specifications to qualify as a responsive bidder.

For information on meeting the City of Sacramento's Local Business Enterprise (LBE) project goals, please contact Veronica A. Smith at (916) 808-1046, or visit the City of Sacramento's small business web site at: <http://www.cityofsacramento.org/econdev/business-open/small-business-certification.cfm>

NOTICE TO CONTRACTORS

CITY OF SACRAMENTO

Sealed Proposals will be received by the City Clerk of the City of Sacramento at the Office of the City Clerk, City Hall, located at 915 I Street, 5th Floor, Public Counter, up to the hour of 2:00 p.m. on **May 6, 2015** and opened at and read after 2:00 p.m. on **May 6, 2015**, or as soon thereafter as business allows, in the Hearing Room, 2nd Floor Room, in Historic City Hall, for construction of:

**CURTIS PARK WATER MAIN REPLACEMENT, PHASE 2
(PN: Z14010062) (B15141321017)**

as set forth in the Contract Documents.

Proposals received and work performed thereunder shall comply with the requirements of Chapter 3.60 of the Sacramento City Code. Each Bid Proposal shall be accompanied by bid security of at least 10% of the sum the Bid Proposal. The City reserves the right to reject proposals or to waive any error or omission in any Bid Proposal received. Signed proposals shall be submitted on the printed forms contained herein and enclosed in an envelope marked:

**SEALED PROPOSAL FOR
CURTIS PARK WATER MAIN REPLACEMENT, PHASE 2
(PN: Z14010062) (B15141321017)**

You can view and download the plans and Contract Documents from:

PLANET BIDS

<http://www.planetbids.com/portal/portal.cfm?CompanyID=15300#>

The contractor and all subcontractors shall comply with the rates of wages currently established by the Director of Industrial Relations under provisions of Sections 1773 of the Labor Code of the State of California, a copy of which is on file in the office of the City Clerk and available to any interested party on request. In accordance with Sacramento City Code Section 3.60.180 and Section 1771.5 of the California Labor Code, the payment of the general prevailing rate of per diem wages or the general prevailing rate of per diem wages for holiday and overtime is not required for any construction project of \$25,000 or less, or an alteration, demolition, repair, and maintenance project of \$15,000 or less. The City of Sacramento has an approved Labor Compliance Program. **The City uses an electronic system for the submission of Labor Compliance Reports, which became effective May 1, 2007.** The contractor and every lower-tier subcontractor shall submit certified payrolls and labor compliance documentation electronically at the discretion of and in the manner specified by the City of Sacramento.

Electronic submittal is via a web-based system, accessed on the World Wide Web by a web browser. Each contractor and subcontractor is given a Log On identification and password to access the City of Sacramento's reporting system.

Use of the system may entail additional data entry of weekly payroll information including employee identification, labor classification, total hours worked and hours worked on this project, wage and benefit rates paid, etc.. The contractor's payroll and accounting software might be capable of generating a 'comma delimited file' that will interface with the software.

Department of Industrial Relations Registration and Reporting Requirements (SB 854)

Labor Code Section 1725.5 (enacted by SB 854) requires all contractors bidding on this contract, all subcontractors listed in a bid for this contract, and any contractor or subcontractor performing any work under this contract, to be currently registered with the California Department of Industrial Relations (DIR), as specified in Labor Code Section 1725.5. Labor Code Section 1771.1 (enacted by SB 854) provides that a contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal (subject to the requirements of Section 4104 of the Public Contract Code), or engage in the performance of any contract for public work, unless currently registered and qualified to perform public work pursuant to Labor Code Section 1725.5. Every bidding contractor shall list the contractor's current DIR registration number, and the current DIR registration number of all listed subcontractors, on the Subcontractor and Local Business Enterprise (LBE) Participation Verification Form included in the contractor's bid.

Pursuant to Labor Code Section 1771.1(b): (1) any bid received from a contractor that is not currently registered and qualified to perform public work pursuant to Labor Code Section 1725.5 **shall be rejected as non-responsive**; and (2) any bid listing one or more subcontractors on the bidder's Subcontractor and Local Business Enterprise (LBE) Participation Verification Form that are not currently registered and qualified to perform public work pursuant to Labor Code Section 1725.5, **shall be rejected as non-responsive**, unless the listing was an inadvertent error and any of the conditions specified in Labor Code Section 1771.1(c) apply.

This contract also is subject to compliance monitoring and enforcement by the DIR. For all contracts awarded on or after April 1, 2015, California Labor Code Section 1771.4 (enacted by SB 854) requires the contractor and all subcontractors to furnish electronic payroll records directly to the Labor Commissioner (in addition to City staff via the City's electronic system).

A Fact Sheet summarizing the provisions of SB 854 is attached. This is provided solely for informational purposes, and does not in any way affect the contractor's and subcontractors' obligation to comply in all respects with the provisions of SB 854, including the provisions referenced above, as well as all other applicable laws and regulations.

The contractor shall disseminate these provisions to every lower-tier subcontractor and vendor required to provide labor compliance documentation.

All questions regarding the City's Labor Compliance Program should be directed to the Department's contracts staff or the Labor Compliance Officer at (916) 808-4011.

Pursuant to Sacramento City Code Section 3.60.190, all contractors and subcontractors shall comply with Section 1777.5 et seq., of the California Labor Code governing the employment of apprentices. Pursuant to Sacramento City Code Section 3.60.250 and Public Contract Code Section 22300, any contract awarded pursuant to this invitation to bid shall contain a provision permitting the substitution of securities for monies withheld to ensure performance under the contract, in accordance with the requirements and form specified by the City.

Bid protests must be filled and maintained in accordance with the provisions of Sections 3.60.460 through 3.60.560 of the Sacramento City Code. Bid protests that do not comply with Sections 3.60.460 through 3.60.560 of the Sacramento City Code shall be invalid and shall not be considered. A bid protest fee of \$750.00 is required at the time of filing. The term "bid protest" includes any bid protest that (1) claims that one or more bidders on this contract should be disqualified or rejected for any reason, (2) contests a City staff recommendation to award this contract to a particular bidder, or (3) contests a City staff recommendation to disqualify or reject one or more bidders on this contract. A copy of Sections 3.60.460 through 3.60.560 of the Sacramento City Code may be obtained from the Project Manager, or from the City Clerk, located at 915 I Street, 5th Floor, Sacramento, CA 95814.

The Project Manager's contact information is:

Megan Thomas, Department of Utilities, Engineering & Water Resource Division
1395 35th Avenue, Sacramento, CA 95822

Phone: (916) 808-1729 / Fax: (916) 808-1497/Email: METhomas@cityofsacramento.org

NEW PUBLIC WORKS CONTRACTOR REGISTRATION LAW [SB 854]
FACT SHEET

SB 854, a budget trailer bill that was signed into law on June 20, 2014, and became effective immediately, made several significant changes to laws pertaining to the administration and enforcement of prevailing wage requirements by the Department of Industrial Relations (DIR). Among other things, SB 854 established a new public works contractor registration program to replace prior Compliance Monitoring Unit (CMU) and Labor Compliance Program (LCP) requirements for bond-funded and other specified public works projects. The fees collected through this new program will be used to fund all of DIR's public works activities, including compliance monitoring and enforcement, the determination of prevailing wage rates, public works coverage determinations, and hearing enforcement appeals.

Essentials of public works contractor registration program:

- Contractors will be subject to a registration and annual renewal fee that has been set initially at \$300. The fee is non-refundable and applies to all contractors and subcontractors who intend to bid or perform work on public works projects (as defined under the Labor Code).
- Contractors will apply and pay the fee online and must meet minimum qualifications to be registered as eligible to bid and work on public works projects:
 - Must have workers' compensation coverage for any employees and only use subcontractors who are registered public works contractors.
 - Must have Contractors State License Board license if applicable to trade.
 - Must have no delinquent unpaid wage or penalty assessments owed to any employee or enforcement agency.
 - Must not be under federal or state debarment.
 - Must not be in prior violation of this registration requirement once it becomes effective. However, for the first violation in a 12 month period, a contractor may still qualify for registration by paying an additional penalty.
- The registration fee is not related to any project. It is more like a license that enables the registrant to bid on and perform public works.

- DIR will post a list of registered contractors and subcontractors on its website so that awarding bodies and contractors will be able to comply with requirements to only use registered contractors and subcontractors.
- Various protections are built in so that
 - A contractor won't be in violation for working on a private job that is later determined to be public work;
 - The inadvertent listing of an unregistered subcontractor on a bid won't necessarily invalidate that bid;
 - A contract with an unregistered contractor or subcontractor is subject to cancellation but is not void as to past work;
 - An unregistered contractor or subcontractor can be replaced with one who is registered;
 - A contractor whose registration lapses will have a 90 day grace period within which to pay a late fee and renew.
- Registrations will begin after July 1, 2014, once the registration system is ready to go online. The preferred method of payment will be by credit card.
- The requirement to list only registered contractors and subcontractors on bids becomes effective on March 1, 2015. The requirement to only use registered contractors and subcontractors on public works projects applies to all projects awarded on or after April 1, 2015.

Essentials of Public Works Enforcement Fund:

All contractor registration fees will go into the State Public Works Enforcement Fund and be used to fund the following items --

- administration of contractor registration requirement
- all DIR costs for administering and enforcing public works laws
- Labor Commissioner's enforcement of other Labor Code violations on monitored public works projects.

DIR will no longer charge awarding bodies for prevailing wage compliance monitoring and enforcement by the CMU. (*Note: DIR will continue to bill and collect fees from awarding agencies for CMU services provided through June 20, 2014.*)

Related changes in DIR's administration and enforcement of public works requirements:

- Requirements to use CMU or specified alternative (labor compliance program or project labor agreement) for state bond-funded and other specified projects have been eliminated and replaced by requirements that apply to all public works projects (as defined under the Labor Code).
- Awarding bodies are *now* required to submit PWC-100 (contract award notice) for all public works projects. (*This requirement previously applied to about 90% of all projects.*)
- Contractors and subcontractors on *all* public works projects will be required to submit certified payroll records (CPRs) to the Labor Commissioner unless excused from this requirement.
 - This requirement will be phased in as follows:
 - Applies immediately to public works projects that have already been under CMU monitoring, *i.e.* contractors on ongoing projects that have been submitting CPRs to the CMU will continue doing so
 - Will apply to any new projects awarded on or after April 1, 2015
 - May apply to other projects as determined by Labor Commissioner
 - Will apply to all public works projects, new or ongoing, on and after January 1, 2016
 - The Labor Commissioner may make exception to this requirement for
 - Projects covered by qualifying project labor agreement
 - Projects undertaken by one of four remaining awarding bodies with legacy LCPs (Caltrans, City of Los Angeles, County of Sacramento, and Los Angeles Unified School District), so long as those LCPs remain approved by DIR
 - CPRs will be furnished online (as is done currently for CMU). DIR intends to continue making improvements to this process, including creating a means for general contractors to have online access to the CPRs submitted by their subcontractors.
- Requirements for awarding bodies to adopt and enforce a DIR-approved LCP are now limited to: (1) public works projects awarded prior to January 1, 2012 that were under a preexisting LCP requirement; and (2) projects funded in whole or in part by Proposition 84.

THE FOLLOWING DOCUMENTS
ARE TO BE COMPLETED AND
SUBMITTED WITH THE BID PACKAGE

Contractor's Name: NAVAJO PIPELINES, INC.
 (Please print)

CITY OF SACRAMENTO
 SEALED PROPOSAL

(MUST BE SIGNED BY BIDDER)

The Sealed Proposal will be received not later than **May 6, 2015**, at the Office of the City Clerk, New City Hall, at 915 I Street, 5th Floor, Public Counter, Sacramento, California and opened at 2:00 PM, or as soon thereafter as business allows, on **May 6, 2015**, by the Office of the City Clerk, 915 I Street, Historic City Hall, 2nd Floor, Hearing Room, Sacramento, California.

TO THE HONORABLE CITY COUNCIL:

The undersigned hereby proposes and agrees to furnish any and all required labor, material, transportation, and services for

CURTIS PARK WATER MAIN REPLACEMENT, PHASE 2
 (PN: Z14010062) (B15141321017)

in the City and County of Sacramento, California.

TOTAL BID: Five Million Seven Hundred Thirty Seven Thousand Eight 5,738,007.50 85
~~Five Hundred and Seven and 50/100~~ 5,737,507.50 85

The work herein described is to be performed in strict conformity with the Plans, City of Sacramento Standard Specifications (Resolution No. 89-216) and these Special Provisions, all as on file in the Office of the City Clerk, at the following unit prices.

Item No.	Description	Estimated Quantity	Unit	Unit Price	Total
1	Construction Photographs or Video	1	LS	\$ <u>35,000</u>	\$ <u>35,000</u>
2	Mobilization	1	LS	\$ <u>50,000</u>	\$ <u>50,000</u>
3	Meter Retrofit of 1-Inch Water Service	427	EA	\$ <u>1,150</u>	\$ <u>491,050</u>
4	Meter Retrofit of 1 1/2- Inch Water Service	19	EA	\$ <u>1,600</u>	\$ <u>30,400</u>
5	Meter Retrofit of 2 inch Water Service	1	EA	\$ <u>4,900</u>	\$ <u>4,900</u>
6	2-Inch and Smaller Substandard Water Service	400	EA	\$ <u>750</u>	\$ <u>300,000</u>
7	Hybrid Water Service w/ Meter Box, to Furnish and Install (main to front/side hose bib)	78	EA	\$ <u>2,650</u>	\$ <u>206,700</u>
8	Hybrid Water Service w/ Meter Box, to Furnish and Install (main to rear of property)	331	EA	\$ <u>3,800</u>	\$ <u>1,257,800</u>
9	1 1/2-Inch Water Service w/ Meter Box, to Furnish and Install (main to front/side hose bib)	1	EA	\$ <u>3,800</u>	\$ <u>3,800</u>
10	1 1/2-Inch Water Service w/ Meter Box, to Furnish and Install (main to rear of property)	34	EA	\$ <u>4,200</u>	\$ <u>142,800</u>
11	2-Inch Water Service w/ Meter Box, to Furnish and Install (main to front/side hose bib)	1	EA	\$ <u>6,500</u>	\$ <u>6,500</u>
12	2-Inch Water Service w/ Meter Box, to Furnish and Install (main to rear of property)	3	EA	\$ <u>7,900</u>	\$ <u>23,700</u>
13	1-Inch Water Service w/ Meter (main to existing service)	129	EA	\$ <u>1,750</u>	\$ <u>225,750</u>

Item No.	Description	Estimated Quantity	Unit	Unit Price	Total
14	1 1/2-inch Water Service w/ Meter (main to existing service)	6	EA	\$ <u>3,200</u>	\$ <u>19,200</u>
15	2-Inch Water Service w/ Meter (main to existing service)	1	EA	\$ <u>5,400</u>	\$ <u>5,400</u>
16	Install and Reconnect Existing Metered Service (2-Inch and smaller)	10	EA	\$ <u>1,800</u>	\$ <u>18,000</u>
17	4-Inch Water Service to Transfer	1	EA	\$ <u>3,800</u>	\$ <u>3,800</u>
18	Relocate Existing Meters	7	EA	\$ <u>600</u>	\$ <u>4,200</u>
19	Street or Alley Water Service, to Abandon	133	EA	\$ <u>300.-</u>	\$ <u>39,400.-</u>
20	Easement Water Service, to Abandon	448	EA	\$ <u>200</u>	\$ <u>89,600.</u>
21	4-Inch Diameter Water Main, to Furnish and Install	180	LF	\$ <u>60</u>	\$ <u>10,800</u>
22	6-Inch Diameter Water Main, to Furnish and Install	1,615	LF	\$ <u>65</u>	\$ <u>104,975</u>
23	8-Inch Diameter Water Main, to Furnish and Install	16,075	LF	\$ <u>79.50</u>	\$ <u>1,277,962.50</u>
24	12-Inch Diameter Water Main, to Furnish and Install	6,070	LF	\$ <u>111</u>	\$ <u>673,770</u>
25	Ductile Iron Pipe Only, 8-Inch Diameter Water Main, to Furnish and Install	750	LF	\$ <u>85</u>	\$ <u>63,750</u>
26	Additional 2-Inch and Smaller Water Pipe to Furnish and Install	2,000	LF	\$ <u>12</u>	\$ <u>24,000</u>
27	1 1/2-Inch Schedule 40 PVC Pipe, to Furnish and Install	200	LF	\$ <u>12</u>	\$ <u>2,400</u>
28	4-inch Diameter Gate Valve, to Furnish and Install	1	EA	\$ <u>750</u>	\$ <u>750</u>
29	6-inch Diameter Gate Valve, to Furnish and Install	13	EA	\$ <u>800</u>	\$ <u>10,400</u>
30	8-inch Diameter Gate Valve, to Furnish and Install	109	EA	\$ <u>900</u>	\$ <u>98,100</u>
31	12-inch Diameter Gate Valve, to Furnish and Install	27	EA	\$ <u>1,400</u>	\$ <u>37,800</u>
32	2-inch Diameter Blow-off, to Furnish and Install	1	EA	\$ <u>1,700</u>	\$ <u>1,700</u>
33	Standard Fire Hydrant, to Furnish and Install	38	EA	\$ <u>2,950</u>	\$ <u>112,100</u>
34	Existing Fire Hydrant, to Remove	35	EA	\$ <u>300</u>	\$ <u>10,500</u>
35	Mains to Cap	1	LS	\$ <u>28,000.-</u>	\$ <u>28,000.-</u>
36	Connection to Existing Water System	33	EA	\$ <u>3,100</u>	\$ <u>102,300</u>
37	Existing Valves, Tees, Saddles, and Water Mains, to Remove or Abandon	1	LS	\$ <u>42,000</u>	\$ <u>42,000</u>
38	Concrete, to Remove and Replace	4,200	SF	\$ <u>5</u>	\$ <u>21,000</u>
39	Asphalt Concrete Pavement, to Remove and Replace	1,000	SF	\$ <u>6</u>	\$ <u>6,000</u>
40	Water Quality, to Provide	1	LS	\$ <u>28,000</u>	\$ <u>28,000</u>
41	Unsuitable Material, to Remove and Replace	200	TON	\$ <u>1-</u>	\$ <u>200</u>

Item No.	Description	Estimated Quantity	Unit	Unit Price	Total
42	Potholes	20	EA	\$ <u>800</u>	\$ <u>16,000</u>
43	Trench Sheeting, Shoring, and Bracing, to Furnish and Install	1	LS	\$ <u>35,000</u>	\$ <u>35,000</u>
44	Replace Traffic Signal Detector Loops	8	EA	\$ <u>1,500</u>	\$ <u>12,000</u>
45	Union Pacific Railroad Area Work	1	LS	\$ <u>40,000</u>	\$ <u>40,000</u>

TOTAL BID: \$ ~~5,737,507.50~~
 3,738,007.50 *15*

The undersigned agrees to execute the Agreement and provide City the executed Agreement, the required insurance certificates, endorsements, and waivers of subrogation, and the required surety bonds within ten (10) calendar days after the undersigned's receipt of the City's notice that the undersigned will be recommended for Contract award and prior to award of the Contract by the City Council.

In determining the amount bid by each bidder, City shall disregard mathematical errors in addition, subtraction, multiplication and division that appear obvious on the face of the Proposal. When such a mathematical error appears on the Proposal, the City shall have the right to correct such error and to compute the total amount bid by said bidder on the basis of the corrected figure or figures.

When the unit price of an item is required to be set forth in the Proposal, and the total for the item set forth separately does not agree with a figure derived by multiplying the item unit price times the Engineer's estimate of the quantity of work to be performed for said item, the item unit price shall prevail over the sum set forth as the total for the item unless, in the sole discretion of the City, such a procedure would be inconsistent with the policy of the City's bidding procedures. The total paid for each such item of work shall be based upon the item unit price and not the total price.

Should the Proposal contain only a total price for an item and the item unit price is omitted, the City shall determine the item unit price by dividing the total price of the item by the Engineer's estimate of the quantity of work to be performed for the item of work.

If the Proposal contains neither the item price nor the total price for the item, then it shall be deemed incomplete and the Proposal shall be disregarded.

It is understood that this bid is based upon completion of the work within a period of **one hundred ninety (190) working days** commencing on the date specified in the Notice to Proceed.

The amount of liquidated damages to be paid by the Contractor for failure to complete the work by the completion date (as extended, if applicable) shall be **one thousand five hundred dollars (\$1,500.00) for each calendar day**, continuing to the time at which the work is completed. Such amount is the actual cash value agreed upon as the loss to the City resulting from the default of the Contractor.

The undersigned represents and warrants that he/she has examined the location of the proposed work and is familiar with the conditions at the place where the work is to be done. The undersigned further represents that he/she has reviewed and understands the Plans, Special Provisions, and other contract documents, and the undersigned is satisfied with all conditions for the performance of the work. **Additionally, the undersigned shall include written documentation with the Sealed Proposal of previous satisfactory experience in installation of water main pipeline, in accordance with the following:**

-
- **The undersigned shall provide documentation for a minimum of two projects combined that would equal the placement of *10,000 feet of water pipe and a minimum of 500 services and meters placed* or a similar construction work as approved by the Engineer. The work shall have been performed by the undersigned for a municipality or other public agency within the last ten years. The documentation for each project shall describe the work performed, including the size and number of meters installed, the size and length of the water main placed, the contract amount and duration, and the time period of performance, and shall include the name, address and telephone number of the owner agency or municipality. The documentation also shall include the name of a contact person for each owner who is familiar with the work performed. The above documentation shall be included with the Sealed Proposal.**
- **A Sealed Proposal that does not include the above required documentation may be rejected as non-responsive.**

Please note that information included in the above documentation and/or obtained from such other owner agency or municipality or from another source regarding the bidder's performance on another public project also may be used by the City in determining whether the bidder is a responsible bidder.

The undersigned has carefully checked all of the above figures and understands that the City of Sacramento will not be responsible for any errors or omissions on the part of the undersigned in making up this bid.

This proposal shall not be withdrawn for the time periods specified in Section 3-2 of the City of Sacramento Standard Specifications for award of contract to respective low bidders. This proposal is submitted in accordance with Chapter 3.60 of the Sacramento City Code and Sections 1, 2, and 3 of the City of Sacramento Standard Specifications.

In accordance with Standard Specification Section 3-2, the City shall award this contract to the lowest responsible bidder, if such award is made, within forty-five (45) working days after opening of the Proposals. The City reserves the right to reject any and all bids.

BID DEPOSIT ENCLOSED IN THE FOLLOWING FORM:

\$ _____ not less than ten (10) percent of amount bid.

- CERTIFIED CHECK
- MONEY ORDER
- CASHIERS'S CHECK
- BID BOND

FOR CITY USE ONLY	
TYPE OF DEPOSIT	
<input checked="" type="checkbox"/>	Bid Bond
<input type="checkbox"/>	Cashier/Certified Check
<input type="checkbox"/>	Other _____
Reviewer's Initials <u> </u>	

CONTRACTOR

Addendum No. 1 April 20, 2015 NAVAJO PIPELINES, INC.

Addendum No. 2 _____ By: Raren Silva
(Signature)

Addendum No. 3 _____ Title: President

Addendum No. 4 _____ Address: 4671 24th Street
No PO Box – Physical Address ONLY

<u>Sacramento</u>	<u>CA</u>	<u>95822</u>
City	STATE	ZIIP Code

Telephone No. 916-448-0134

Fax No. 916-448-0841

Email navajoinc@aol.com

(Federal Tax ID # or Social Security #)
Under penalty of perjury, I certify that the Taxpayer Identification Number and all other information provided here are correct.

680382103

Valid Contractor's License No. 655660, Classification A is held by the bidder.

Expiration date June 30, 2015. Representation made herein are true and correct under penalty or perjury

PN: Z14010062 (B15141321017)

CITY OF SACRAMENTO

Subcontractor and Local Business Enterprise Participation Form
For Public Projects over \$100,000 (use only base bid amount to estimate dollar value)
THIS FORM MUST BE SUBMITTED WITH THE SEALED BID PROPOSAL

To be eligible for award of this contract, the bidder shall list the business entities used to attain the 5% LBE requirement. Additionally, the bidder shall list all other subcontractors who perform work, render service, or provide materials in an amount in excess of one-half of 1 percent of the total bid amount. In the case of bids for the construction of streets and highways, including bridges, subcontractors whose subcontract value exceeds one-half of 1 percent of the total bid or ten thousand dollars (\$10,000), whichever is greater, shall be listed. Estimated dollar values shall be provided for all work / services listed. The failure to attain the 5% LBE participation or the inclusion of false information or the omission of required information will render the bid non-responsive.

Prime Contractor Name	Navajo Pipelines, Inc.
Prime Contractor Address	4671 24th Street, Sacramento, CA 95822
(REQUIRED) Prime Contractor DIR Registration #	1000003183

Date	May 6, 2015
Bid Amount	\$ 5,737,507-
Is Prime LBE?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Business Name	License Number	Address	Subcontractor DIR Registration # (subject to verification)	LBE?	Type of Work, Services, or Supplies to be provided to complete contract	Estimated Dollar Value of Work, Services or Supplies to be Performed of Provided
Pacific Excavation	694400	9798 Rent St EUCALYPTUS, CA 95624	1000000188	No	traffic signals	\$ 10,000.-
				Yes		
				No		
				Yes		
				No		
				Yes		
				No		

COPY AND ATTACH ADDITIONAL SHEETS AS NECESSARY
 I hereby certify that each subcontractor listed on this Subcontractor and LBE Participation Form has been notified that it has been listed and has consented in writing to its name being submitted for this contract. The Prime Contractor also certifies that it will notify each subcontractor listed on this Form in writing if the contract award is made to the Prime Contractor, and will make all documentation relevant to the subcontractor and LBE participation available to City of Sacramento upon request. The Prime Contractor further certifies that all of the information contained in this Form is true and correct and acknowledges that the City will rely on the accuracy of this information in awarding the contract.

PRINCIPAL OF FIRM:

<i>Karen Silva</i>	President	May 6, 2015
Signature	Title	Date

Form Revised
3/9/15

DRUG-FREE WORKPLACE POLICY AND AFFIDAVIT

BID MAY BE DECLARED NONRESPONSIVE IF THIS FORM (COMPLETED) IS NOT ATTACHED.
Pursuant to City Council Resolution CC90-498 dated 6/26/90 the following is required.

The undersigned contractor certifies that it and all subcontractors performing under this contract will provide a drug-free workplace by:

1. Publishing a "Drug-Free Workplace" statement notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the contractor's workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Establishing a Drug-Free Awareness Program to inform employees about:
 - a. The dangers of drug abuse in the workplace.
 - b. The contractor's policy of maintaining a drug-free workplace.
 - c. Any available drug counseling, rehabilitation, and employee assistance program.
 - d. The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace.
3. Notify employees that as a condition of employment under this contract, employees will be expected to:
 - a. Abide by the terms of the statement.
 - b. Notify the employer of any criminal drug statute conviction for a violation occurring in the workplace.
4. Making it a requirement that each employee to be engaged in the performance of the contract be given a copy on the "Drug-Free Workplace" statement.
5. Taking one of the following appropriate actions, within thirty (30) days of receiving notice from an employee or otherwise receiving such notice, that said employee has received a drug conviction for a violation occurring in the workplace:
 - a. Taking appropriate disciplinary action against such an employee, up to and including termination; or
 - b. Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a federal, state, or local health, law enforcement or other appropriate agency.

* I certify that no person employed by this company, corporation, or business has been convicted of any criminal drug statute violation on any job site or project where this company, corporation, or business was performing work within three years of the date of my signature below.

EXCEPTION: NONE

Date	Violation Type	Place of Occurrence
If additional space is required use back of this form.		

*The above statement will also be incorporated as a part of each subcontract agreement for any and all subcontractors selected for performance on this project.

IN THE EVENT THIS COMPANY, CORPORATION, OR BUSINESS IS AWARDED THIS CONSTRUCTION CONTRACT, AS A RESULT OF THIS BID; THE CONTRACTOR WITH HIS/HER SIGNATURE REPRESENTS TO THE CITY THAT THE INFORMATION DISCLOSED IN THIS DOCUMENT IS COMPLETE AND ACCURATE. IT IS UNDERSTOOD AND AGREED THAT FALSE CERTIFICATION IS SUBJECT TO IMMEDIATE TERMINATION BY THE CITY.

The Representations Made Herein On This Document Are Made Under Penalty Of Perjury.

CONTRACTOR'S NAME: Navajo Pipelines, Inc.

BY: Raven Silva Signature President Title Date: May 6, 2015

Effects of violations: a. Suspension of payments under this contract. b. Suspension or termination of the contract. c. Suspension or debarment of the contractor from receiving any contract from the City of Sacramento for a period not to exceed five years.
FM 681 7/10/9

MINIMUM QUALIFICATIONS QUESTIONNAIRE

Sacramento City Code Section 3.60.020 authorizes the Sacramento City Council to adopt standard minimum qualifications for bidders on competitively bid public works construction projects, and requires, among other provisions, that a bidder meet such minimum qualifications at the time of bid opening in order to bid. On July 31, 2007, the City Council adopted Resolution No. 2007-574 establishing these standard minimum qualifications. Pursuant to City Code section 3.60.020, a bidder failing to meet these minimum qualifications at the time of bid opening shall not be considered a responsible bidder for purposes of bidding on the subject project.

All bidders must demonstrate compliance with the minimum qualifications established by Resolution No. 2007-574 by completing all of the questions contained in this questionnaire. Bidder responses shall be limited to those operating business units, offices, branches and/or subsidiary divisions of the bidder that will be involved with the performance of any project work if awarded the contract. If a bidder answers "yes" to any single question, fails to submit a fully completed questionnaire, or submits false information, this will result in a determination that the minimum qualifications are not met, and the bidder shall not be considered a qualified bidder for purposes of bidding on this contract. If two or more entities submit a bid on a contract as a Joint Venture, each entity within the Joint Venture must separately meet these minimum qualifications for the Joint Venture to be considered a qualified bidder.

The City of Sacramento ("City") shall make its determination on the basis of the submitted questionnaire, as well as any relevant information that is obtained from others or as a result of investigation by the City. While it is the intent of this questionnaire to assist the City in determining whether bidders possess the minimum qualifications necessary to submit bids on the City's competitively bid public works construction contracts, the fact that a bidder submits a questionnaire demonstrating that it meets these minimum qualifications shall not in any way limit or affect the City's ability to: (1) review other information contained in the bid submitted by the bidder, and additional relevant information, and determine whether the contractor is a responsive and/or responsible bidder; or (2) establish pre-qualification requirements for a specific contract or contracts.

By submitting this questionnaire, the bidder consents to the disclosure of its questionnaire answers: (i) to third parties for purposes of verification and investigation; (ii) in connection with any protest, challenge or appeal of any action taken by the City; and (iii) as required by any law or regulation, including without limitation the California Public Records Act (Calif. Gov't Code sections 6250 et seq.). Each questionnaire must be signed under penalty of perjury in the manner designated at the end of the form, by an individual who has the legal authority to bind the bidder submitting the questionnaire. If any information provided by a bidder becomes inaccurate, the bidder shall immediately notify the City and provide updated accurate information in writing, under penalty of perjury.

QUESTIONNAIRE

NOTICE: For firms that maintain other operating business units, offices, branches and/or subsidiary divisions that will not be involved with the performance of any project work if the firm is awarded the contract, references hereafter to "your firm" shall mean only those operating business units, offices, branches and/or subsidiary divisions that will be involved with the performance of any project work.

All of the following questions regarding "your firm" refer to the firm (corporation, partnership or sole proprietor) submitting this questionnaire, as well as any firm(s) with which any of your firm's owners, officers, or partners are or have been associated as an owner, officer, partner or similar position within the last five years

The firm submitting this questionnaire shall not be considered a responsible bidder if the answer to any of these questions is "yes", or if the firm submits a questionnaire that is not fully completed or contains false information.

1. **Classification & Expiration Date(s) of California Contractor's License Number(s) held by firm:**
CLASS A - expires 6/30/16

2. Has a contractor's license held by your firm and/or any owner, officer or partner of your firm been revoked at anytime in the last five years?
 Yes No

3. Within the last five years, has a surety firm completed a contract on your firm's behalf, or paid for completion of a contract to which your firm was a party, because your firm was considered to be in default or was terminated for cause by the project owner?
 Yes No

4. At the time of submitting this minimum qualifications questionnaire, is your firm ineligible to bid on or be awarded a public works contract, or perform as a subcontractor on a public works contract, pursuant to either California Labor Code section 1777.1 (prevailing wage violations) or Labor Code section 1777.7 (apprenticeship violations)?
 Yes No

5. At any time during the last five years, has your firm, or any of its owners, officers or partners been convicted of a crime involving the awarding of a contract for a government construction project, or the bidding or performance of a government contract?
 Yes No

6. Answer either subsection A or B, as applicable:

A. Your firm has completed three or more government construction contracts in Sacramento County within the last five years: Within those five years, has your firm been assessed liquidated damages on three or more government construction contracts in Sacramento County for failure to complete contract work on time?

NOTE: If there is a pending administrative or court action challenging the assessment of liquidated damages on a government contract within the last five years, you need not include that contract in responding to this question.

Yes No Not applicable

OR

B. Your firm has not completed at least three government construction contracts in Sacramento County within the last five years: Within the last three years, has your firm been assessed liquidated damages on three or more government construction contracts for failure to complete contract work on time?

NOTE: If there is a pending administrative or court action challenging an assessment of liquidated damages on a government contract within the last three years, you need not include that contract in responding to this question.

Yes No Not applicable

7. In the last three years has your firm been debarred from bidding on, or completing, any government agency or public works construction contract for any reason?

NOTE: If there is a pending administrative or court action challenging a debarment, you need not include that debarment in responding to this question.

Yes No

8. Has CAL OSHA assessed a total of three or more penalties against your firm for any "serious" or "willful" violation occurring on construction projects performed in Sacramento County at any time within the last three years?

NOTE: If there is a pending administrative or court action appealing a penalty assessment, you need not include that penalty assessment in responding to this question.

Yes No

9. Answer either subsection A or B, as preferred:

A. In the last three years has your firm had a three year average Workers' Compensation experience modification rate exceeding 1.1?

Yes

No

OR

B. In the last three years has your firm had a three-year average incident rate for total lost workday cases exceeding 10?

NOTE: Incident rates represent the number of lost workday cases per 100 full-time workers and is to be calculated as: $(N/EH) \times 200,000$, where

N = number of lost workday cases (as defined by the U.S. Dept. of Labor, Bureau of Labor Statistics)
EH = total hours worked by all employees during the calendar year
200,000 = base for 100 equivalent full-time working (working 40 hours per week, 50 weeks per year)

Yes

No

10. In the past three years, has the federal EPA, Region IX or a California Air Quality Management District or Regional Water Quality Control Board assessed penalties three or more times, either against your firm, or against the project owner for a violation resulting in whole or in part from any action or omission by your firm on a project on which your firm was a contractor in Sacramento County?

NOTE: If there is a pending administrative or court action appealing a penalty assessment, you need not include that penalty assessment in responding to this question.

Yes

No

11. In the past three years, has the federal EPA, Region IX or a California Air Quality Management District or Regional Water Quality Control Board assessed a single penalty of \$100,000 or more, either against your firm, or against the project owner for a violation resulting in whole or in part from any action or omission by your firm on a project on which your firm was the contractor in Sacramento County?

NOTE: If there is a pending administrative or court action appealing a penalty assessment, you need not include that penalty assessment in responding to this question.

Yes No

12. In the past three years, have civil penalties been assessed against your firm pursuant to California Labor Code 1777.7 for violation of California public works apprenticeship requirements, three or more times?

NOTE: If there is a pending administrative or court action appealing a penalty assessment, you need not include that penalty assessment in responding to this question.

Yes No

13. In the past three years, has a public agency in California withheld contract payments or assessed penalties against your firm for violation of public works prevailing wage requirements, three or more times?

NOTE: If there is a pending administrative or court action appealing a withholding or penalty assessment, you need not include that withholding or penalty assessment in responding to this question.

Yes No

14. Has your firm been assessed penalties for violation of public works prevailing wage requirements in California, in an aggregate amount for the past three years of \$50,000 or more?

NOTE: If there is a pending administrative or court action appealing a penalty assessment, you need not include that penalty assessment in responding to this question.

Yes No

VERIFICATION AND SIGNATURE

I, the undersigned, certify and declare that I have read all the foregoing answers to this Minimum Qualifications Questionnaire, and know their contents. The matters stated in these Questionnaire answers are true of my own knowledge and belief, except as to those matters stated on information and belief, and as to those matters I believe them to be true. I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Signed at Sacramento, CA, on May 6, 2015.
(Location) (Date)

Signature: Karen Silva

Print name: Karen Silva

Title: President

NOTE: If two or more entities submit a bid on a contract as a Joint Venture, each entity within the Joint Venture must submit a separate Minimum Qualifications Questionnaire.

REQUIREMENTS OF THE NON-DISCRIMINATION IN EMPLOYEE BENEFITS CODE

INTRODUCTION

The Sacramento Non-Discrimination In Employee Benefits Code (the "Ordinance"), codified as Sacramento City Code Chapter 3.54, prohibits City contractors from discriminating in the provision of employee benefits between employees with spouses and employees with domestic partners, and between the spouses and domestic partners of employees.

APPLICATION

The provisions of the Ordinance apply to any contract or agreement (as defined below), between a Contractor and the City of Sacramento, in an amount exceeding \$100,000.00. The Ordinance applies to that portion of a contractor's operations that occur: (i) within the City of Sacramento; (ii) on real property outside the City of Sacramento if the property is owned by the City or if the City has a right to occupy the property; or (iii) at any location where a significant amount of work related to a City contract is being performed.

The Ordinance does not apply: to subcontractors or subcontracts of any Contractor or contractors; to transactions entered into pursuant to cooperative purchasing agreements approved by the Sacramento City Council; to legal contracts of other governmental jurisdictions or public agencies without separate competitive bidding by the City; where the requirements of the ordinance will violate or are inconsistent with the terms or conditions of a grant, subvention or agreement with a public agency or the instructions of an authorized representative of any such agency with respect to any such grant, subvention or agreement; to permits for excavation or street construction; or to agreements for the use of City right-of-way where a contracting utility has the power of eminent domain.

DEFINITIONS

As set forth in the Ordinance, the following definitions apply:

"Contract" means an agreement for public works or improvements to be performed, or for goods or services to be purchased or grants to be provided, at the expense of the City or to be paid out of moneys deposited in the treasury or out of the trust money under the control or collected by the City. "Contract" also means a written agreement for the exclusive use ("exclusive use" means the right to use or occupy real property to the exclusion of others, other than the right reserved by the fee owner) or occupancy of real property for a term exceeding 29 days in any calendar year, whether by singular or cumulative instrument, (i) for the operation or use by others of real property owned or controlled by the City for the operation of a business, social, or other establishment or organization, including leases, concessions, franchises and easements, or (ii) for the City's use or occupancy of real property owned by others, including leases, concessions, franchises and easements.

"Contract" shall not include: a revocable at-will use or encroachment permit for the use of or encroachment on City property regardless of the ultimate duration of such permit; excavation, street construction or street use permits; agreements for the use of City right-of-way where a contracting utility has the power of eminent domain; or agreements governing the use of City property that constitute a public forum for activities that are primarily for the purpose of espousing or advocating causes or ideas and that are generally protected by the First Amendment to the United States Constitution or that are primarily recreational in nature.

"Contractor" means any person or persons, firm partnership or corporation, company, or combination thereof, that enters into a Contract with the City. "Contractor" does not include a public entity.

"Domestic Partner" means any person who has a currently registered domestic partnership with a governmental entity pursuant to state or local law authorizing the registration.

"Employee Benefits" means bereavement leave; disability, life, and other types of insurance; family medical leave; health benefits; membership or membership discounts; moving expenses; pension and retirement benefits; vacation; travel benefits; and any other benefit given to employees. "Employee benefits" shall not include benefits to the extent that the application of the requirements of this chapter to such benefits may be preempted by federal or state.

CONTRACTOR'S OBLIGATION TO PROVIDE THE CITY WITH DOCUMENTATION AND INFORMATION

Contractor shall provide the City with documentation and information verifying its compliance with the requirements of the Ordinance within ten (10) days of receipt of a request from the City. Contractors shall keep accurate payroll records, showing, for each City Contract, the employee's name, address, Social Security number, work classification, straight time pay rate, overtime pay rate, overtime hours worked, status and exemptions, and benefits for each day and pay period that the employee works on the City Contract. Each request for payroll records shall be accompanied by an affidavit to be completed and returned by the Contractor, as stated, attesting that the information contained in the payroll records is true and correct, and that the Contractor has complied with the requirements of the Ordinance. A violation of the Ordinance or noncompliance with the requirements of the Ordinance shall constitute a breach of contract.

EMPLOYER COMPLIANCE CERTIFICATE AND NOTICE REQUIREMENTS

- (a) All contractors seeking a Contract subject to the Ordinance shall submit a completed Declaration of Compliance Form (attachment "A"), signed by an authorized representative, with each proposal, bid or application. The Declaration of Compliance shall be made a part of the executed contract, and will be made available for public inspection and copying during regular business hours.
- (b) The Contractor shall give each existing employee working directing on a City contract, and (at the time of hire), each new employee, a copy of the notification provided as attachment "B."
- (c) Contractor shall post, in a place visible to all employees, a copy of the notice provided as attachment "C."

**DECLARATION OF COMPLIANCE
Equal Benefits Ordinance**

NAVAJO PIPELINES, INC.

Name of Contractor

4671 24th Street, Sacramento, CA 95822

Address

The above named contractor ("Contractor") hereby declares and agrees as follows:

1. I have read and understand the Requirements of the Non-Discrimination In Employee Benefits Code (the "Requirements") provided to me by the City of Sacramento ("City") in connection with the City's request for proposals or other solicitations for the performance of services, or for the provision of commodities, under a City contract or agreement ("Contract").
2. As a condition of receiving the City Contract, I agree to fully comply with the Requirements, as well as any additional requirements that may be specified in the City's Non-Discrimination in Employee Benefits Code codified at Chapter 3.54 of the Sacramento City Code (the "Ordinance").
3. I understand, to the extent that such benefits are not preempted or prohibited by federal or state law, employee benefits covered by the Ordinance, are any of the following:
 - a. Bereavement Leave
 - b. Disability, life, and other types of insurance
 - c. Family medical leave
 - d. Health benefits
 - e. Membership or membership discounts
 - f. Moving expenses
 - g. Pension and retirement benefits
 - h. Vacation
 - i. Travel benefits
 - j. Any other benefit offered to employees

I agree that should I offer any of the above listed employee benefits, that I will offer those benefits, without discrimination between employees with spouses and employees with domestic partners, and without discrimination between the spouses and domestic partners of such employees.

4. I understand that I will not be considered to be discriminating in the provision or application of employee benefits under the following conditions or circumstances:
 - a. In the event that the actual cost of providing a benefit to a domestic partner or spouse, exceeds the cost of providing the same benefit to a spouse or domestic partner of an employee, I will not be required to provide the benefit, nor shall it be deemed discriminatory, if I require the employee to pay the monetary difference in order to provide the benefit to the domestic partner or to the spouse.
 - b. In the event I am unable to provide a certain benefit, despite taking reasonable measures to do so, if I provide the employee with a cash equivalent, I will not be deemed to be discriminating in the application of that benefit.
 - c. If I provide employee benefits neither to employee's spouses nor to employee's domestic partners.
 - d. If I provide employee benefits to employees on a basis unrelated to marital or domestic partner status.
 - e. If I submit, to the Program Coordinator, written evidence of making reasonable efforts to end discrimination in employee benefits by implementing policies which are to be enacted before the

first effective date after the first open enrollment process following the date the Contract is executed with the City.

I understand that any delay in the implementation of such policies may not exceed one (1) year from the date the Contract is executed with the City, and applies only to those employee benefits for which an open enrollment process is applicable.

- f. Until administrative steps can be taken to incorporate, in the infrastructure, nondiscrimination in employee benefits

The time allotted for these administrative steps will apply only to those employee benefits for which administrative steps are necessary and may not exceed three (3) months from the date the Contract is executed with the City.

- g. Until the expiration of a current collective bargaining agreement(s) where, in fact, employee benefits are governed by a collective bargaining agreement(s).

- h. I take all reasonable measures to end discrimination in employee benefits by either requesting the union(s) involved agree to reopen the agreement(s) in order for me to take whatever steps are necessary to end discrimination in employee benefits or by my ending discrimination in employee benefits without reopening the collective bargaining agreement(s).

- i. In the event I cannot end discrimination in employee benefits despite taking all reasonable measures to do so, I provide a cash equivalent to eligible employees for whom employee benefits (as listed previously), are not available.

Unless otherwise authorized in writing by the City Manager, I understand this cash equivalent must begin at the time the union(s) refuse to allow the collective bargaining agreement(s) to be reopened or no longer than three (3) months from the date the Contract is executed with the City.

- 5. I understand that failure to comply with the provisions of Section 4. (a) through 4. (i), above, will subject me to possible suspension and/or termination of this Contract for cause; repayment of any or all of the Contract amount disbursed by the City; debarment for future contracts until all penalties and restitution have been paid in full; deemed ineligible for future contracts for up to two (2) years; the imposition of a penalty, payable to the City, in the sum of \$50.00 for each employee, for each calendar day during which the employee was discriminated against in violation of the provisions of the Ordinance.
- 6. I understand and do hereby agree to provide each current employee and, within ten (10) days of hire, each new employee, of their rights under the Ordinance. I further agree to maintain a copy of each such letter provided, in an appropriate file for possible inspection by an authorized representative of the City. I also agree to prominently display a poster informing each employee of these rights.
- 7. I understand that I have the right to request an exemption to the benefit provisions of the Ordinance when such a request is submitted to the Procurement Services Division, in writing with sufficient justification for resolution, prior to contract award.

I further understand that the City may request a waiver or exemption to the provisions or requirements of the Ordinance, when only one contractor is available to enter into a contract or agreement to occupy and use City property on terms and conditions established by the City; when sole source conditions exist for goods, services, public project or improvements and related construction services; when there are no responsive bidders to the Ordinance requirements and the contract is for essential goods or services; when emergency conditions with public health and safety implications exist; or when the contract is for specialized legal services if in the best interest of the City.

8. In consideration of the foregoing, I shall defend, indemnify and hold harmless, the City, its officers and employees, against any claims, actions, damages, costs (including reasonable attorney fees), or other liabilities of any kind arising from any violation of the Requirements or of the Ordinance by me.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct, and that I am authorized to bind the Contractor to the provisions of this Declaration.

Karen Silva
Signature of Authorized Representative

May 6, 2015
Date

Karen Silva
Print Name

President
Title



NAVAJO PIPELINES INC.

Water Main Pipeline & Meter Installation Work History

Little Pocket & Tahoe Park Water Main Replacement **Sacramento, California**

Contract Amt.: \$6,641,659.75

Duration: 240 working days

Time Period of Performance: 2014-present

Owner: City of Sacramento, 1395 35th Ave., Sacramento, CA 95822

Contact: Jesus Reyes, (916) 808-1721

Work Performed: Installation of 6-, 8- and 12-inch water mains, including fittings valves, fire hydrants, other appurtenances, water services, meter setters, meter boxes, meter lids, and meters at various commercial and residential properties. Also includes connecting existing water services to existing residential water services, removing existing fire hydrants and abandoning existing mains.

Pipe Length and Diameter: 7,330 LF of 12-inch mains; 14,285 LF of 8-inch mains; 1485 LF of 6-inch mains.

Number/Size of Meters Installed: (765) 1-inch meters; (26) 1.5- to 2-inch meters; (2) 3- to 4-inch meters; (793 total meters).

Pocket Area Water Service Retrofit **Sacramento, California**

Contract Amt.: \$1,109,915.00

Duration: 135 working days

Time Period of Performance: 2009-2010

Owner: City of Sacramento, 1395 35th Ave., Sacramento, CA 95822

Contact: Chris Powell, (916) 808-4031

Work Performed: Furnish and install meter setters, idlers, meter boxes and lids at various commercial and residential properties. Includes backfill, surface restoration, and retrofit existing water service to accept water meters.

Number/Size of Meters Installed: (910) 1-inch meters; (107) 1.5- to 2-inch meters; (1017 total meters).



NAVAJO PIPELINES INC.

Mule Creek Infill Complex

Ione, California

Contract Amt.: \$2,995,000.00

Duration: not specified

Time Period of Performance: 2014-2015

Owner: State of California Dept. of Corrections and Rehabilitation
10000 Goethe Rd, Suite C1, Sacramento, CA

Contact: David Kent (Hensel Phelps Construction), (209) 295-1000

Work Performed: Installation of water mains, gas mains and sewer mains (including lift stations), paving.

Pipe Length and Diameter (water only): 20,000 LF of 12-inch; 22,000 LF of 8-inch.

Dewitt Nelson Correctional Facility

Stockton, California

Contract Amt.: \$5,169,596.00

Duration: not specified

Time Period of Performance: 2012-2014

Owner: State of California Dept. of Corrections and Rehabilitation
10000 Goethe Rd, Suite C1, Sacramento, CA

Contact Person: Ron Mitchell (Hensel Phelps Construction), (209) 507-7800

Work Performed: Installation of water main for domestic and firewater, hydrants, services, valves, blow-offs, air vacuum and release valves and appurtenances.

Installation of storm drain, sewer and dry utilities joint trench.

Pipe Length and Diameter: 18,000 LF of 12-inch; 16,000 LF of 8-inch.

I Street Water Main Project, 12th to 23rd Street

Sacramento, California

Contract Amt.: \$238,882.00

Duration: 60 working days

Time Period of Performance: 2013

Owner: City of Sacramento, 1395 35th Ave., Sacramento, CA 95822

Contact: Quoc Nham (916-8081435)

Work Performed: Construction of a 12-inch diameter water distribution main, removing and abandoning existing water mains including required fittings, butterfly valves, blow-offs, air vacuum and release valves, corrosion protection materials, make system connections.

Pipe Length and Diameter: 415 LF of 12-inch.



NAVAJO PIPELINES INC.

Norwood Avenue Bridge Replacement

Sacramento, California

Contract Amt.: \$598,884.00

Duration: 140 working days

Time Period of Performance: 2011-2012

Owner: City of Sacramento, 1395 35th Ave., Sacramento, CA 95822

Contact Person: Tim Rush (Viking Construction)

Work Performed: Furnish and install 357 feet of a 12-inch water line across the bridge including valves. Work included the abandonment of 1410 feet of existing 12-inch water main, installation of services.

Pipe Length and Diameter: 357 LF of 12-inch.

12th & 13th Street Water Transmission Main – H Street to Q Street

Sacramento, California

Contract Amount: \$2,091,073.00

Duration: 190 working days

Time Period of Performance: 2009-2010

Owner: City of Sacramento, 1395 35th Avenue, Sacramento, CA

Contact Person: Mike Colasanti, (916) 808-1471

Work Performed: Furnish and install 24-inch (welded steel), 12-inch, 8-inch and 6-inch water main. Furnish and install fittings, valves, services, fire hydrants and appurtenances and connect to existing distribution system.

Pipe Length and Diameter: 4,227 LF of 24-inch; 1,019 LF of 12-inch; 750 LF of 8-inch; 62 LF of 6-inch.

Lexington-Frienza Water Main Replacement

Sacramento, California

Contract Amount: \$631,300.00

Duration: 105 working days

Time Period of Performance: 2009

Owner: City of Sacramento, 1365 35th Avenue, Sacramento, CA 95822

Contact Person: Michelle Carrey, (916) 808-1438

Work Performed: Furnishing and placing 6-inch and 8-inch water mains, fittings, valves, services, fire hydrants. Connecting city water services to existing residential services.

Pipe Length and Diameter: 700 LF of 6-inch; 2,760 LF of 8-inch.



NAVAJO PIPELINES INC.

Central Ave and Oak & Santa Juanita Ave Main Replacement **Granite Bay, California**

Contract Amount: \$310,418.00

Duration: 45 days

Time Period of Performance: 2008-2009

Owner: San Juan Water District, 9935 Auburn Folsom Road, Granite Bay, CA

Contact Person: Rob Watson, (916) 791-0153

Work Performed: Furnish and install 8-, 16- and 12-inch diameter water main, turnouts, hydrants, valves, tie-ins, flowmeter and H2O vault, services, abandonments and appurtenances.

Pipe Length and Diameter: 268 LF of 8-inch; 541 LF of 16-inch; 694 LF of 12-inch.

Lemen Avenue Utility Improvements **Woodland, California**

Contract Amount: \$212,025.00

Duration: 45 working days

Time Period of Performance: 2008-2009

Owner: City of Woodland, 300 First Street, Woodland, CA 95695

Contact Person: James Heath, (530) 661-5967

Work Performed: Repairing and lining existing sanitary sewer system, installing new water supply system, valves, hydrants, services and installing curb ramps.

Pipe Length and Diameter: 830 LF of 8-inch water main.

South Land Park Water Main Replacement **Sacramento, California**

Contract Amount: \$1,573,249.00

Duration: 200 working days

Time Period of Performance: 2008

Owner: City of Sacramento, 1395 35th Avenue, Sacramento, CA

Contact Person: Brett Ewart, (916) 808-1725

Work Performed: Furnish and install 8-inch and 12-inch diameter water main. Furnish and install fittings, valves, services, fire hydrants and appurtenances, and connect to existing distribution system.

Pipe Length and Diameter: 10,944 LF of 8-inch; 1,620 LF of 12-inch.



NAVAJO PIPELINES INC.

Main Avenue Bridge Replacement **Sacramento, California**

Contract Amount: \$1,214,449.00

Duration: not specified

Time Period of Performance: 2007

Owner: City of Sacramento, 731 I Street, Sacramento, CA

Contact Person: Nader Kamal, (916) 808-7035

Work Performed: Furnish and install 12-inch, 24-inch and 36-inch diameter water mains with valves and appurtenances within casings crossing new bridge and connect to existing distribution system.

Pipe Length and Diameter: 872 LF of 12-inch; 94 LF of 24-inch; 64 LF of 36-inch.

Deeble/28th Street Steel Water Main Replacement **Sacramento, California**

Contract Amount: \$739,630.00

Duration: 160 working days

Time Period of Performance: 2005

Owner: City of Sacramento, 1395 35th Avenue, Sacramento, CA

Contact Person: Michelle Carrey, (916) 808-1438

Work Performed: Furnish and install 8-Inch and 12-Inch diameter water mains including fittings, valves, services, fire hydrants and appurtenances. Connect to existing distribution system.

Pipe Length and Diameter: 5,700 LF of 8-inch; 370 LF of 12-inch.

Fruitridge Manor Water Main Replacement **Sacramento, California**

Contract Amount: \$564,442.00

Duration: 75 working days

Time Period of Performance: 2005

Owner: City of Sacramento, 1395 35th Ave., Sacramento, CA 95822

Contact Person: Rosa Ulloa, (916) 808-1451

Work Performed: Furnish and install 4-, 6-, 8- and 12-inch diameter water mains, fittings, valves, services, fire hydrants and appurtenances and connecting to the existing distribution system.

Pipe Length and Diameter: 20 LF of 4-inch; 104 LF of 6-inch; 3,480 LF of 8-inch; 2,295 LF of 12-inch.



YOUR RIGHTS UNDER THE CITY OF SACRAMENTO'S
NON-DISCRIMINATION IN EMPLOYEE BENEFITS BY CITY CONTRACTORS ORDINANCE

On (date), your employer (the "Employer") entered into a contract with the City of Sacramento (the "City") for (contract details), and as a condition of that contract, agreed to abide by the requirements of the City's Non-Discrimination In Employee Benefits By City Contractors Ordinance (Sacramento City Code Section 3.54).

The Ordinance does not require the Employer to provide employee benefits. The Ordinance does require that if certain employee benefits are provided by the Employer, that those benefits be provided without discrimination between employees with spouses and employees with domestic partners, and without discrimination between the spouse or domestic partner of employees.

The Ordinance covers any employee working on the specific contract referenced above, but only for the period of time while those employees are actually working on this specific contract.

The included employee benefits are:

- Bereavement leave
- Disability, life and other types of insurance
- Family medical leave
- Health benefits
- Membership or membership discounts
- Moving expenses
- Pension and retirement benefits
- Vacation
- Travel benefits
- Any other benefits given to employees

(Employee Benefits does not include benefits that may be preempted by federal or state law.)

If you feel you have been discriminated or retaliated against by your employer in the terms and conditions of your application for employment, or in your employment, or in the application of these employee benefits, because of your status as an applicant or as an employee protected by the Ordinance, or because you reported a violation of the Ordinance, and after having exhausted all remedies with your employer,

You May . . .

- Submit a written complaint to the City of Sacramento, Contract Services Unit, containing the details of the alleged violation. The address is:

City of Sacramento
Contract Services Unit
915 I St., 2nd Floor
Sacramento, CA 95814

- Bring an action in the appropriate division of the Superior Court of the State of California against the Employer and obtain the following remedies:
 - Reinstatement, injunctive relief, compensatory damages and punitive damages
 - Reasonable attorney's fees and costs



YOUR RIGHTS UNDER THE CITY OF SACRAMENTO'S

NON-DISCRIMINATION IN EMPLOYEE BENEFITS BY CITY CONTRACTORS ORDINANCE

If your employer provides employee benefits, they must be provided to those employees working on a City of Sacramento contract without discriminating between employees with spouses and employees with domestic partners.

The included employee benefits are:

- Bereavement leave
- Disability, life and other types of insurance
- Family medical leave
- Health benefits
- Membership or membership discounts
- Moving expenses
- Pension and retirement benefits
- Vacation
- Travel benefits
- Any other benefits given to employees

If you feel you have been discriminated against by your employer . . .

You May . . .

- o Submit a written complaint to the City of Sacramento, Contract Services Unit, containing the details of the alleged violation. The address is:

City of Sacramento
Contract Services Unit
915 I St., 2nd Floor
Sacramento, CA 95814
- o Bring an action in the appropriate division of the Superior Court of the State of California against the employer and obtain reinstatement, injunctive relief, compensatory damages, punitive damages and reasonable attorney's fees and costs.

Discrimination and Retaliation Prohibited.

If you feel you have been discriminated or retaliated against by your employer in the terms and conditions of your application for employment, or in your employment, because of your status as an applicant or as an employee protected by the Ordinance, or because you reported a violation of this Ordinance . . .

You May Also . . .

Submit a written complaint to the City of Sacramento, Contract Services Unit, at the same address, containing the details of the alleged violation.

C&D Debris Waste Management Plan

C&D Debris Waste Management Plan
 City of Sacramento Solid Waste Services
 2812 Meadowview Road, Building 1
 Sacramento, CA 95832
 Phone: (916) 808-4839 / Fax: (916) 808-4999
 C&D@cityofsacramento.org

Form
submitted by:

Gina Quinn, Navajo Pipelines, 916-448-0134, ext.207, gina@navajopipelines.com

Please attach a business card, or put your name with a phone number and/or an email address.

This Waste Management Plan (WMP) must be submitted and approved before work can begin. Only one WMP is required for each public construction project. The administration fee and, if applicable, a security deposit must be submitted with this form to be approved. Administration fee is 0.04% of project bid amount (min \$40, max \$800); security deposit, if applicable, is 1% of bid amount (max \$10,000). The accompanying Waste Log must be submitted within 30 days of the project completion report, or a penalty may be imposed.

A. Building Project Information:

Job Address: Curtis Park (Sacramento)
 Contractor: Navajo Pipelines, Inc.
 Address: 4671 24th Street, Sacramento, CA 95822

Engineering
 Estimate: \$6,800,000.00
 Phone: 916-448-0134
 Email: navajoinc@aol.com

B. Briefly describe the project:

Furnishing and installing water mains, including fittings, valves, fire hydrants and other appurtenances, water services, meter setters, meter boxes, meter lids, and meters at various commercial and residential properties within designated areas of the City of Sacramento.

C. Materials Required to be Recycled

50% of all debris must be recycled if generated during the course of your project. You can either source-separate them, which may be hauled by anyone, or mix them in one container and send the mixed C&D debris load to a Certified Mixed C&D Sorting Facility. Mixed C&D loads can only be hauled by a franchised hauler or self-hauled. Please see the Definitions section, on the next page, for more information.

50%
of all debris
must be recycled

D. Material Management

- How will C&D debris will be stored on the project site: Mixed C&D Source-Separated
- Company to haul away debris: Self: Navajo Pieplines
- Facilities to receive debris: L&D Landfill and others

**LOCAL BUSINESS ENTERPRISE (LBE)
PARTICIPATION REQUIREMENTS
FOR PUBLIC PROJECTS OF \$100,000 OR MORE**
(City Contracts no Federal Funds Used)

I. LBE PARTICIPATION REQUIREMENT

On April 3, 2012, the Sacramento City Council adopted a Local Business Enterprise (LBE) Preference Program to provide enhanced opportunities for the participation of local business enterprises (LBEs) in the City's contracting and procurement activities. On November 19, 2013, the City Council increased the LBE preference percentage and authorized City departments to require minimum LBE participation levels in specific contracts. Under City Code section 3.60.270, when the bid specifications for a City contract establish a minimum participation level for LBEs, no bidder on the contract shall be considered responsive unless its bid meets the minimum LBE participation level required by the bid specifications.

The City has established a **minimum 5% participation level for LBEs on this contract**. Pursuant to City Code Section 3.60.270, no bidder on this contract shall be considered responsive unless its bid meets or exceeds this minimum participation level.

Bidder and any other business entity listed on the LBE forms submitted shall comply with all applicable laws relating to licensing, permitting, and payment of taxes and fees in the City of Sacramento or County of Sacramento; and shall not be in arrears to the City of Sacramento or County of Sacramento, upon award of a contract.

II. LBE QUALIFICATION

- A. A LBE designated in the bid must be qualified as a LBE prior to the time set for submission of bids.
- B. Local Business Enterprise means a business enterprise, including but not limited to, a sole proprietorship, partnership, limited liability company, corporation, or other business entity that has a legitimate business presence in the City or unincorporated county of Sacramento. Proof of legitimate business presence in the City or unincorporated county of Sacramento shall include:
1. Having a current City of Sacramento Business Operation Tax or County of Sacramento Business License for at least twelve (12) consecutive months prior to submission of bid; and
 2. Having either of the following types of offices or workspace operating legally within the City or unincorporated county of Sacramento for at least twelve (12) consecutive months prior to submission of bid:
 - a. The LBE's principle business office or workspace; or
 - b. The LBE's regional, branch or satellite office with at least one full time employee located in the City or unincorporated county of Sacramento.

- C. A LBE must provide a physical address for the basis of location. This excludes P.O. Box addresses.
- D. A LBE must provide a current copy of the City of Sacramento Business Operations Tax Certificate or County of Sacramento Business License.

III. DETERMINATION OF LBE PARTICIPATION LEVEL

- A. LBE Participation: The percentage of LBE participation is determined based on the dollar value of the work to be performed or supplies to be furnished by certified LBEs designated in the bidder's Subcontractor and LBE Participation Verification Form, relative to the total dollar amount of the bid.
- B. Participation Credit: To receive credit for participation:(1) a LBE subcontractor must be responsible for the execution of a distinct element of the work, must possess any license or certification required for the work, and must actually perform, manage, or supervise the work without subcontracting or otherwise shifting any portion of the work to another subcontractor; and (2) a LBE supplier must furnish materials, equipment, or supplies that the supplier sells as a recurring, although not necessarily primary, part of its business, and that are necessary for performance of the work.
- C. Suppliers: Credit for a LBE supplier of materials, equipment, or supplies is counted as one hundred (100) percent of the amount paid to the supplier for the material, equipment, or supplies. To receive this credit, LBE suppliers must be listed on the bidder's Subcontractor and LBE Participation Verification Form.
- D. Subcontractors (including truckers): To receive credit for a LBE subcontractor, the subcontractor must be listed on the bidder's Subcontractor and LBE Participation Verification Form.
 - Truckers: Credit for a LBE trucker is counted as one hundred (100) percent of the amount paid to the trucker for trucking services, not including any amount paid to the trucker for the cost of any materials, equipment, or supplies being transported by the trucker.

IV. LBE REQUIREMENTS FOR CONTRACTOR

- A. LBE Records: The Contractor shall maintain records of all subcontracts with verified LBE subcontractors and records of materials purchased from verified LBE suppliers for one (1) year after receiving final payment from the City. Such records shall show the name and business address of each LBE subcontractor or supplier and the total dollar amount actually paid each LBE subcontractor or supplier.

Not later than 30 days after completion of the work performed under the contract, a summary of these records shall be prepared, certified correct by the Contractor's authorized representative and furnished to the City. The Contractor shall provide such other information, records, reports, certifications or other documents as may

be required by City, to determine compliance with any provision of the LBE program or these specifications.

- B. Performance of LBE Subcontractors and Suppliers: The LBEs listed by the Contractor shall perform the work and supply the materials, equipment, and supplies for which they are listed unless the Contractor has received prior written authorization from the City to perform the work with other forces or to obtain the material, equipment, or supplies from other sources. Reasons for requesting such authorization would include:
1. The listed LBE fails to execute a written contract based upon the general terms, conditions, plans, and specifications for the project.
 2. The listed LBE becomes bankrupt or insolvent.
 3. The listed LBE subcontractor fails to meet the bond requirements of the Contractor.
 4. The work performed or the materials/equipment/supplies provided by the listed LBE are unsatisfactory or are not in accordance with the plans and specifications, or the listed LBE fails to perform its contractual obligations.
 5. It would be in the best interest of the City.
- C. Subcontractor Substitution: No substitution of a LBE subcontractor shall be made at any time without compliance with the Subletting and Subcontracting Fair Practices Act. If a LBE subcontractor is unable to perform successfully and is to be replaced, the Contractor shall make reasonable efforts to replace the original LBE subcontractor with another verified LBE subcontractor. The new LBE subcontractor must be verified at the time of substitution.
- D. Reporting and Utilization Requirements and Sanctions: Failure to provide specific information, records, reports, certifications, or any other documents required for compliance with these specifications, or failure to utilize one or more LBEs in substantial compliance with the LBE utilization indicated in the Contractor's bid (unless otherwise authorized by City as provided herein, or when such failure results from changes to the work approved by the City), shall be considered a breach of the contract, and a deduction may be made from the contract amount. The deduction shall be not more than ten (10) percent of the value of the work or materials/equipment/supplies that the subject LBE(s) were listed to perform/provide in the Contractor's bid, and shall be deducted from any payment due to the Contractor. This is in addition to any deduction that may be made under any other provision of the contract, the Sacramento City Code, or State law.
- E. Hearing and Review of Division Manager Decision: Prior to making a deduction pursuant to Section IV (D), above, the City shall provide written notice of the proposed deduction to the Contractor, and the Contractor may, not later than five (5) working days after receiving such notice, provide a written request to City for a hearing to contest the proposed deduction. Upon receipt of a timely written

request from the Contractor, the City shall schedule a hearing before the Division Manager (as defined in the City's Standard Specifications for Public Construction), and written notice of the date, time and location of the hearing shall be provided to the Contractor not less than five (5) working days prior to the date of the hearing. The hearing shall be conducted in the manner specified in Section 4-8 of the Standard Specifications, and the Division Manager shall prepare and forward to the Contractor a written decision as soon as practicable after the hearing. The Division Manager's decision shall be subject to review in accordance with the provisions of Section 4-9 of the Standard Specifications. Failure to request such review in compliance with the requirements set forth in Section 4-9 shall constitute acceptance of the Division Manager's decision by the Contractor.

The written notices and requests described above shall be provided by registered or certified mail (return receipt requested), by telecopy, by personal delivery, or by any other method that provides reliable evidence of the date of receipt. Written notice provided by telecopy shall be deemed received on the date that it is transmitted and transmission is confirmed by the transmitting machine. Written notice provided by personal delivery shall be deemed received on the date of delivery.

V. DEFINITIONS

- A. Local Business Enterprise (LBE): A business enterprise, including but not limited to, a sole proprietorship, partnership, limited liability company, corporation, or any other business entity that has a legitimate business presence in the City of Sacramento or unincorporated county of Sacramento.
- B. Contractor: The sole proprietorship, partnership, limited liability company, corporation, or any other business entity entering into a contract with the City of Sacramento.
- C. Subcontractor: The sole proprietorship, partnership, limited liability company, corporation, or other business entity entering into a contract with the prime contractor to perform a portion of the work.
- D. Supplier: The sole proprietorship, partnership, limited liability company, corporation, or other business entity to provide materials, equipment, or supplies necessary for performance of the work.
- E. Proposal: Any response to a City solicitation for Proposals or Qualifications.
- F. Bid: Any response to a City solicitation for bids.

FOLLOWING FORMS TO BE FILLED OUT AND SIGNED

ONLY

IF AWARDED CONTRACT

WORKER'S COMPENSATION INSURANCE CERTIFICATION

TO THE CITY OF SACRAMENTO:

The undersigned does hereby certify that he is aware of the provisions of Section 3700 et seq. of the Labor Code which require every employer to be insured against liability for worker's compensation claims or to undertake self-insurance in accordance with the provisions of said Code, and that he/she will comply with such provisions before commencing the performance of the work on this contract.

Navajo Pipelines, Inc.

Bidder

BY:

Karen Silva

Title: President

Address: 4671 24th Street

Sacramento, CA 95822

Date: _____

PLEASE READ CAREFULLY BEFORE SIGNING

To be signed by authorized corporate officer or partner or individual submitting the bid. If bidder is: (example)

1. An individual using a firm name, sign: "John Doe, and individual doing business as Blank Company".
2. An individual doing business under his own name, sign: Your name only.
3. A co-partnership, sign: "John Doe and Richard Doe, co-partners doing business as Blank Company, by, John Doe, Co-Partner".
4. A corporation, sign: "Blank Company, by John Doe, Secretary". (Or other title)

AGREEMENT
(Construction Contract over \$25,000)

THIS AGREEMENT, dated for identification June 9, 2015 is made and entered into between the CITY OF SACRAMENTO, a municipal corporation ("City"), and Navajo Pipelines, 4671 24th Street, Sacramento, CA 95822 ("Contractor").

The City and Contractor hereby mutually agree as follows:

1. CONTRACT DOCUMENTS

The Contract Documents, sometimes also referred to as the "Contract," consist of the following items, which are hereby incorporated by reference as if set forth in full in this Agreement:

- The Notice to Contractors
- The Proposal Form submitted by the Contractor
- The Instructions to Bidders
- The Local Business Enterprise (LBE) Requirements
- The Requirements for the Non-Discrimination in Employee Benefits by City Contractors Ordinance and the Declaration of Compliance
- The City's Reference Guide for Construction Contracts
- The Addenda, if any
- This Agreement
- The Standard Specifications
- The Special Provisions
- The Plans and Technical Specifications
- The drawings and other data and all developments thereof prepared by City pursuant to the Contract
- Any modifications of any of the foregoing made or approved by City, including but not limited to duly authorized change orders.

Unless specifically noted otherwise, references to the "Standard Specifications" shall mean and refer to the Standard Specifications for Public Construction of the City of Sacramento approved by the Sacramento City Council on June 4, 2007 (Resolution No. 2007-350), and any subsequent amendments thereto approved by the Sacramento City Council or the Sacramento City Manager. Work called for in any one Contract Document and not mentioned in another is to be performed and executed as if mentioned in all Contract Documents. The table of contents, titles and headings contained in the Contract Documents are provided solely to facilitate reference to various provisions of the Contract Documents and in no way affect or limit the interpretation of the provisions to which they refer.

2. DEFINITIONS

Unless otherwise specifically provided herein, all words and phrases defined in the Standard Specifications shall have the same meaning and intent in this Agreement.

3. AGREEMENT CONTROLS

In the event of a conflict between any of the terms and conditions set forth in this Agreement and the terms and conditions set forth in other Contract Documents, the terms and conditions set forth in this Agreement shall prevail, except that the provisions of any duly authorized change order shall prevail over any conflicting provisions of this Agreement.

4. SCOPE OF CONTRACT

Contractor agrees to furnish all tools, equipment, apparatus, facilities, labor, material and transportation necessary to perform and complete in a good and workmanlike manner to the satisfaction of City, all the Work called for in the Contract Documents entitled:

Curtis Park Water Main Replacement, Phase 2 (PN: Z14010062)

Including the Work called for in the following alternative bid items described in the Proposal Form:

Contractor agrees to perform such Work in the manner designated in and in strict conformity with the Contract Documents.

5. CONTRACT AMOUNT AND PAYMENTS

City agrees to pay and Contractor agrees to accept, as complete payment for the above Work, in accordance with the schedule and procedures set forth in the Contract Documents and subject to deductions, withholdings and additions as specified in the Contract Documents, a total sum that shall not exceed the total bid amount set forth in Contractor's Proposal Form. In addition, subject to deductions, withholdings and additions as specified in the Contract Documents, payment for individual items of the Work shall be computed as follows:

- A. For items of the Work for which a lump sum price is specified in Contractor's Proposal Form, Contractor shall be paid the lump sum price(s) specified in Contractor's Proposal Form; and
- B. For items of the Work for which a unit price is specified in Contractor's Proposal Form, Contractor shall be paid the sum computed at such unit price, or computed at a different price if such different price is determined by City in accordance with the Standard Specifications, based on the actual amount of each such item performed and/or furnished and incorporated in the Work; provided that in no event shall the total sum for a unit price item exceed the total bid amount set forth for such item in the Contractor's Proposal Form, unless authorized by Change Order.

6. PROGRESS PAYMENTS

Subject to the terms and conditions of the Contract, City shall cause payments to be made upon demand of Contractor as follows:

- A. On or about the first of the month, the Engineer shall present to the Contractor a statement showing the amount of labor and materials incorporated in the Work through the twentieth (20) calendar day of the preceding month. After both Contractor and Engineer approve the statement in writing, and the City's labor compliance officer provides written approval, the City shall issue a certificate for ninety-five (95) percent of the amount it shall find to be due, subject to any deductions or withholdings authorized or required under the Contract or any applicable Laws or Regulations.
- B. No inaccuracy or error in said monthly estimates shall operate to release Contractor from damages arising from such Work or from enforcement of each and every provision of the Contract Documents, and City shall have the right subsequently to correct any error made in any estimate for payment.
- C. Contractor shall not be paid for any defective or improper Work.
- D. The remaining five (5) percent of the value of the Work performed under the Contract, if unencumbered and subject to any deductions or withholdings authorized or required under the Contract or any applicable Laws or Regulations, shall be released not later than sixty (60) days after completion and final acceptance of the Work by City. Acceptance by Contractor of the final payment shall constitute a waiver of all claims against the City arising under the Contract Documents, except for disputed claims in stated amounts that the Contractor specifically reserves in writing, but only to the extent that the Contractor has complied with all procedures

and requirements applicable to the presentation and processing of such claim(s) under the Contract Documents. Contractor shall be entitled to substitute securities for retention or to direct that payments of retention be made into escrow, as provided in Public Contract Code Section 22300, upon execution of the City's Escrow Agreement for Security Deposits in Lieu of Retention.

- E. The parties agree that, for purposes of the timely progress payment requirements specified in Public Contract Code Section 20104.50, the date that the City receives a statement jointly approved by the Contractor and the Engineer as provided above shall be deemed to constitute the date that City receives an undisputed and properly submitted payment request from the Contractor. Progress payments not made within 30 days after this date may be subject to payment of interest as provided in Public Contract Code Section 20104.50.
- F. This Contract is subject to compliance monitoring and enforcement by the California Department of Industrial Relations, as specified in California Labor Code section 1771.4.

7. RETENTION OF SUMS CHARGED AGAINST CONTRACTOR

When, under the provisions of this Contract or any applicable Laws or Regulations, City is authorized or required to withhold, deduct or charge any sum of money against Contractor, City may deduct and retain the amount of such charge from the amount of the next succeeding progress estimate(s), or from any other moneys due or that may become due Contractor from City. If, on completion or termination of the Contract, sums due Contractor are insufficient to pay City's charges, City shall have the right to recover the balance from Contractor or its Sureties.

8. COMMENCEMENT AND PROSECUTION OF WORK

Contractor shall commence the Work not later than fifteen (15) working days after the date of the written Notice to Proceed from City to Contractor and shall diligently prosecute the Work to final completion. The phrase "commence the Work" means to engage in a continuous program on-site including, but not limited to, site clearance, grading, dredging, land filling and the fabrications, erection, or installation of the Work. The Notice to Proceed shall be issued within fifteen (15) calendar days following execution of the Agreement by the City and the filing by Contractor of the required Bonds and proof of insurance, provided that the Engineer may delay issuance of the Notice to Proceed if the Engineer determines in the Engineer's sole discretion that conditions on the site of the Work are unsuitable for commencement of the Work. After the Notice to Proceed is issued, the continuous prosecution of Work by Contractor shall be subject only to Excusable Delays as defined in this Agreement.

9. TIME OF COMPLETION

The entire Work shall be brought to completion in the manner provided for in the Contract Documents on or before **one hundred ninety (190) working** days from the date of the Notice to Proceed (hereinafter called the "Completion Date") unless extensions of time are granted in accordance with the Contract Documents.

Failure to complete the entire Work by the Completion Date and in the manner provided for in the Contract Documents shall subject Contractor to liquidated damages as provided in this Agreement. Time is and shall be of the essence in the performance of the Contract and the Work.

10. PAYMENTS DO NOT IMPLY ACCEPTANCE OF WORK

The payment of any progress payment, or the acceptance thereof by Contractor, shall not constitute acceptance of the Work or any portion thereof and shall in no way reduce the liability of Contractor to replace unsatisfactory work or material, whether or not the unsatisfactory character of such work or material was apparent or detected at the time such payment was made.

11. ACCEPTANCE NOT RELEASE

Contractor shall correct immediately any defective or imperfect work or materials that may be discovered before final acceptance of the entire Work, whether or not such defect or imperfection was previously noticed or identified by the City. The inspection of the Work, or any part thereof, shall not relieve Contractor of any of its obligations to perform satisfactory work as herein specified.

Failure or neglect on the part of City or any of its officers, employees or authorized agents to discover, identify, condemn or reject defective or imperfect work or materials shall not be construed to imply an acceptance of such work or materials, if such defect or imperfection becomes evident at any time prior to final acceptance of the entire Work, nor shall such failure or neglect be construed as barring City from enforcing Contractor's warranty(ies) or otherwise recovering damages or such a sum of money as may be required to repair or rebuild the defective or imperfect work or materials whenever City may discover the same, subject only to any statutes of limitation that may apply to any such claim.

12. CITY'S RIGHT TO TAKE POSSESSION OF THE WORK IN WHOLE OR IN PART

The City shall have the right at any time to enter upon the Work and perform work not covered by this Contract, or to occupy and use a portion of the Work, prior to the date of the final acceptance of the Work as a whole, without in any way relieving Contractor of any obligations under this Contract.

13. NO WAIVER OF REMEDIES

Neither the inspection by City, its officers, employees or agents, nor any certificate or other approval for the payment of money, nor any payment for, nor acceptance of the whole or any part of the Work by City, nor any extensions of time, nor any position taken by City, its officers, employees or its agents shall operate as a waiver of any provision of the Contract Documents nor of any power herein reserved to City or any right to damages herein provided, nor shall any waiver of any breach of this Agreement be held to be a waiver of any other or subsequent breach. All remedies provided in the Contract Documents shall be taken and construed as cumulative; in addition to each and every other remedy herein provided, the City shall have any and all equitable and legal remedies that it would in any case have.

14. WARRANTY

Except as otherwise expressly provided in the Contract Documents, and excepting only items of routine maintenance, ordinary wear and tear and unusual abuse or neglect by City, Contractor warrants and guarantees all Work executed and all supplies, materials and devices of whatsoever nature incorporated in or attached to the Work, or otherwise provided as a part of the Work pursuant to the Contract, to be absolutely free of all defects of workmanship and materials for a period of one year after final acceptance of the entire Work by the City. Contractor shall repair or replace all work or material, together with any other work or material that may be displaced or damaged in so doing, that may prove defective in workmanship or material within this one year warranty period without expense or charge of any nature whatsoever to City.

In the event that Contractor shall fail to comply with the conditions of the foregoing warranty within ten (10) days after being notified of the defect in writing, City shall have the right, but shall not be obligated, to repair, or obtain the repair of, the defect and Contractor shall pay to City on demand all costs and expense of such repair. Notwithstanding anything herein to the contrary, in the event that any defect in workmanship or material covered by the foregoing warranty results in a condition that constitutes an immediate hazard to public health or safety, or any property interest, or any person, City shall have the right to immediately repair, or cause to be repaired, such defect, and Contractor shall pay to City on demand all costs and expense of such repair. The foregoing statement relating to hazards to health, safety or property shall be deemed to include both temporary and permanent repairs that may be required as determined in the sole discretion and judgment of City.

The Contractor's Performance Bond shall secure the performance of the Contractor's obligations under this Section 14, and the Contractor and its Surety shall be jointly and severally liable for these obligations.

15. LIQUIDATED DAMAGES IF WORK NOT COMPLETED ON TIME

- A. The actual fact of the occurrence of damages and the actual amount of the damages that City would suffer if the entire Work, and/or any specified portion thereof, were not completed within the time(s) specified herein are dependent upon many circumstances and conditions that could prevail in various combinations, and for this reason, it is impracticable and extremely difficult to fix the actual damages. Damages that City would suffer in the event of such delay include: loss of the use of the project; expenses of prolonged assignment to the project of an architectural and/or engineering staff; prolonged costs of administration, inspection, and supervision; increased operational expenses and/or impaired operation of other facilities dependent upon completion of the project; and the loss and inconvenience suffered by the public within the City of Sacramento by reason of the delay in the completion of the project or portion thereof. Accordingly, the parties agree, and by execution of this Agreement, Contractor acknowledges that it understands and agrees, that the amount(s) set forth herein as liquidated damages reflect the parties' best efforts at the time of entering into the Contract to estimate the damages that may be incurred by City and the public due to the Contractor's delay in completion of the Work and/or any specified portion thereof, and shall be presumed to be the amount of damages sustained by the failure of Contractor to complete the entire Work and/or any specified portion thereof within the time(s) specified herein.
- B. Contractor shall pay liquidated damages to City for failure to complete the entire Work by the Completion Date (as extended in accordance with the Contract Documents, if applicable) in the amount of **one thousand five hundred dollars (\$1,500.00)** for each calendar day after the Completion Date (as extended in accordance with the Contract Documents, if applicable), continuing to the time at which the entire Work is completed. Such amount is the actual cash value agreed upon by the City and Contractor as the loss to City and the public resulting from Contractor's default.

The parties agree, and by execution of this Agreement, Contractor acknowledges that it understands and agrees, that the foregoing provisions provide for the imposition of liquidated damages from the Completion Date (as extended in accordance with the Contract Documents, if applicable) until the date of completion of the entire Work as determined by the Engineer in accordance with Section 8-4 of the Standard Specifications, whether or not the Work or any portion thereof is claimed or determined to be substantially complete prior to such date of completion.

THE FOLLOWING ADDITIONAL LIQUIDATED DAMAGES PROVISION(S) APPLY:

In addition to the liquidated damages specified above, Contractor shall pay additional liquidated damages to City for failure to complete the portion of the Work specified below by the milestone date specified below. The amount of such additional liquidated damages shall be the daily amount of \$1,500 for each calendar day after such milestone date, continuing to the time at which such portion of the Work is completed.

Such amount is the actual cash value agreed upon by the City and Contractor as the additional loss to City and the public resulting from Contractor's default.

Portion of the Work

Milestone Date

18,500-ft of water main and 800 water meters (installed & operable)

Feb. 15, 2016

The milestone date is a fixed date, and shall incorporate all delays and holidays that occur up to the milestone date. Contractor shall assume there will be up to 15 (fifteen) days of delays (weather and unforeseen circumstances) after the Notice to Proceed is issued. Contractor is responsible for having sufficient staff and equipment needed to meet this milestone.

CONTRACTOR'S ACKNOWLEDGMENT: RS

- C. In the event Contractor shall become liable for liquidated damages, City, in addition to all other remedies provided by law, shall have the right to withhold any and all payments that otherwise would be or become due Contractor until the liability of Contractor under this section is finally determined. City shall have the right to use and apply such payments, in whole or in part, to reimburse City for all liquidated damages due or to become due to City. Any remaining balance of such payments shall be paid to Contractor only after discharge in full of all liability incurred by Contractor under this section or otherwise under any provision of the Contract Documents or any applicable Law or Regulation. If the sum so retained by City is not sufficient to discharge all such liabilities of Contractor, Contractor shall continue to remain liable to City until all such liabilities are satisfied in full. No failure by City to withhold any payment as specified above shall in any manner be construed to constitute a release of any such liabilities nor a waiver of the City's right to withhold payment for such liabilities.

16. INDEMNITY AND HOLD HARMLESS

- A. Contractor shall defend, hold harmless and indemnify the City, its officers, employees, and agents, and each and every one of them, from and against any and all actions, damages, costs, liabilities, claims, demands, losses, judgments, penalties, costs and expenses of every type and description, whether arising on or off the site of the Work, including, but not limited to, any fees and/or costs reasonably incurred by City's staff attorneys or outside attorneys and any fees and expenses incurred in enforcing this provision (hereafter collectively referred to as "Liabilities"), including but not limited to Liabilities arising from personal injury or death, damage to personal, real or intellectual property or the environment, contractual or other economic damages, or regulatory penalties, arising out of or in any way connected with performance of or failure to perform the Work by the Contractor, any subcontractor or agent, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, whether or not (i) such Liabilities are caused in part by a party indemnified hereunder, or (ii) such Liabilities are litigated, settled or reduced to judgment; provided that the foregoing indemnity does not apply to liability for damages for death or bodily injury to persons, injury to property, or other loss, damage or expense to the extent arising from (i) the sole negligence or willful misconduct of, or defects in design furnished by, City, its agents, servants, or independent contractors who are directly responsible to City, or (ii) the active negligence of City.
- B. The existence or acceptance by City of any of the insurance policies or coverages described in this Agreement shall not affect or limit any of City's rights under this Section 16, nor shall the limits of such insurance limit the liability of Contractor hereunder. The provisions of this Section 16 shall survive any expiration or termination of the Contract.

17. CONTRACTOR SHALL ASSUME RISKS

Until the completion and final acceptance by City of all Work under this Contract, the Work shall be under Contractor's responsible care and charge, and Contractor, at no cost to City, shall rebuild, repair, restore and make good all injuries, damages, re-erectments, and repairs occasioned or rendered necessary by accidental causes of any nature, to all or any portions of the Work.

18. GENERAL LIABILITY OF CONTRACTOR

Except as otherwise herein expressly stipulated, Contractor shall perform all the Work and furnish all the labor, materials, tools, equipment, apparatus, facilities, transportation, power and light, and appliances, necessary or proper for performing and completing the Work herein required in the manner and within the time herein specified. The mention of any specific duty or liability of Contractor shall not be construed as a limitation or restriction of any general liability or duty of Contractor, and any reference to any specific duty or liability shall be construed to be solely for the purpose of explanation.

19. INSURANCE

During the entire term of the Contract, Contractor shall maintain the insurance coverage described in this Section 19.

Full compensation for all premiums that Contractor is required to pay for the insurance coverage described herein shall be included in the compensation specified for the Work performed by Contractor under this Contract. No additional compensation will be provided for Contractor's insurance premiums. Any available insurance proceeds in excess of the specified minimum limits and coverages shall be available to the City.

It is understood and agreed by the Contractor that its liability to the City shall not in any way be limited to or affected by the amount of insurance coverage required or carried by the Contractor in connection with this Contract.

A. Minimum Scope & Limits of Insurance Coverage

- (1) Commercial General Liability Insurance providing coverage at least as broad as ISO CGL Form 00 01 on an occurrence basis for bodily injury, including death, of one or more persons, property damage, and personal injury, arising out of activities performed by or on behalf of Contractor and its subcontractors, products and completed operations of Contractor and its subcontractors, and premises owned, leased, or used by Contractor and its subcontractors, with limits of not less than one million dollars (\$1,000,000) per occurrence. The policy shall provide contractual liability and products and completed operations coverage for the term of the policy.
- (2) Automobile Liability Insurance providing coverage at least as broad as ISO Form CA 00 01 for bodily injury, including death, of one or more persons, property damage, and personal injury, with limits of not less than one million dollars (\$1,000,000) per accident. The policy shall provide coverage for owned, non-owned, and/or hired autos as appropriate to the operations of the Contractor.

No automobile liability insurance shall be required if Contractor completes the following certification:

"I certify that a motor vehicle will not be used in the performance of any work or services under this agreement." _____ (Contractor initials)

- (3) Workers' Compensation Insurance with statutory limits, and Employers' Liability Insurance with limits of not less than one million dollars (\$1,000,000). The Workers' Compensation policy shall include a waiver of subrogation in favor of the City.

No Workers' Compensation insurance shall be required if Contractor completes the following certification:

"I certify that my business has no employees, and that I do not employ anyone. I am exempt from the legal requirements to provide Workers' Compensation insurance." _____ (Contractor initials)

B. Additional Insured Coverage

- (1) Commercial General Liability Insurance: The City, its officials, employees, and volunteers shall be covered by policy terms or endorsement as additional insureds as respects general liability arising out of: activities performed by or on behalf of Contractor and its subcontractors; products and completed operations of Contractor and

its subcontractors; and premises owned, leased, or used by Contractor and its subcontractors.

- (2) Automobile Liability Insurance: The City, its officials, employees, and volunteers shall be covered by policy terms or endorsement as additional insureds as respects auto liability.

C. Other Insurance Provisions

The policies are to contain, or be endorsed to contain, the following provisions:

- (1) Contractor's insurance coverage, including excess insurance, shall be primary insurance as respects City, its officials, employees, and volunteers. Any insurance or self-insurance maintained by City, its officials, employees, or volunteers shall be in excess of Contractor's insurance and shall not contribute with it.
- (2) Any failure to comply with reporting provisions of the policies shall not affect coverage provided to City, its officials, employees, or volunteers.
- (3) Coverage shall state that Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.
- (4) City will be provided with thirty (30) days' written notice of cancellation or material change in the policy language or terms.
- (5) ***Contractor to provide Railroad Protective Liability Insurance and meet the minimum insurance covered required by the Union Pacific Railroad for construction within Union Pacific Railroad property.***

D. Acceptability of Insurance

Insurance shall be placed with insurers with a Bests' rating of not less than A:VI. Self-insured retentions, policy terms or other variations that do not comply with the requirements of this Section 3 must be declared to and approved by the City in writing prior to execution of this Contract.

E. Verification of Coverage

- (1) Contractor shall furnish City with certificates and required endorsements evidencing the insurance required. The certificates and endorsements shall be forwarded to the City representative named in Exhibit A. Copies of policies shall be delivered to the City on demand. Certificates of insurance shall be signed by an authorized representative of the insurance carrier.
- (2) For all insurance policy renewals during the term of this Contract, Contractor shall send insurance certificates reflecting the policy renewals directly to:

City of Sacramento
c/o Ebix RCS
Reference #: (This number will be provided by EBIX after Contract approval.)
PO Box 257
Portland, MI 48875-0257

Insurance certificates also may be faxed to (770) 325-3340, or e-mailed to:

- (3) The City may withdraw its offer of contract or cancel this Contract if the certificates of insurance and endorsements required have not been provided prior to execution of this Contract. The City may withhold payments to Contractor or cancel the Contract if the insurance is canceled or Contractor otherwise ceases to be insured as required herein.

F. Subcontractors

Contractor shall require and verify that all subcontractors maintain insurance coverage that meets the minimum scope and limits of insurance coverage specified in subsection A, above.

20. FAILURE TO MAINTAIN BONDS OR INSURANCE

If, at any time during the performance of this Contract, Contractor fails to maintain any item of the bonds and/or insurance required under the Contract in full force and effect, Contractor shall immediately suspend all work under the Contract and notify City in writing of such failure. After such notice is provided, or if City discovers such failure and notifies Contractor, the City thereafter may withhold all Contract payments due or that become due until notice is received by City that such bonds and/or insurance have been restored in full force and effect and that the premiums therefor have been paid for a period satisfactory to the Division of Risk Management. Contractor shall not resume work until notified by City to do so, and the City shall have no responsibility or liability for any costs incurred by Contractor as a result of such suspension of Work.

In addition to the foregoing, any failure to maintain any item of the required bonds and/or insurance at any time during the performance of this Contract will be sufficient cause for termination of the Contract by City.

The Contractor shall be solely responsible for, and shall defend, indemnify and hold harmless the City, its officers, employees and agents against and from, any and all damages, claims, losses, actions, costs or other expenses of any kind incurred by any party as a direct or indirect result of any suspension of Work or termination of the Contract under the provisions of this Section.

21. EXCUSABLE DELAYS

For the purpose of these Contract Documents, the term "Excusable Delay" shall mean, and is limited to, delay caused directly by: acts of God; acts of a public enemy; fires; inclement weather as determined by the Engineer; riots; insurrections; epidemics; quarantine restrictions; strikes; lockouts; sitdowns; acts of a governmental agency; priorities or privileges established for the manufacture, assemble, or allotment of materials necessary in the Work by order, decree or otherwise of the United States or by any department, bureau, commission, committee, agent, or administrator of any legally constituted public authority; changes in the Work ordered by City insofar as they necessarily require additional time in which to complete the Work; the prevention of Contractor from commencing or prosecuting the Work because of the acts of others, excepting Contractor's subcontractors or suppliers; or the prevention of Contractor from commencing or prosecuting the Work because of a Citywide failure of public utility service.

The term "Excusable Delay" shall specifically not include: (i) any delay that could have been avoided by the exercise of care, prudence, foresight and diligence on the part of Contractor; (ii) any delay in the prosecution of any part of the Work that does not constitute a Controlling Operation, whether or not such delay is unavoidable; (iii) any reasonable delay resulting from time required by City for review of any Contractor submittals and for the making of surveys, measurements and inspection; and, (iv) any delay arising from an interruption in the prosecution of the Work on account of reasonable interference by other Contractors employed by City that does not necessarily prevent the completion of the entire Work within the time specified. Excusable Delays, if any, shall operate only to extend the Completion Date (not in excess of the period of such delay as determined by City) and shall not under any circumstances increase the amount City is required to pay Contractor except as otherwise provided in these Contract Documents.

22. CONTRACTOR TO SERVE NOTICE OF DELAYS

Whenever Contractor foresees any delay in the prosecution of the Work, and in any event as soon as possible (not to exceed a period of ten (10) calendar days) after the initial occurrence of any delay that Contractor regards as or may later claim to be an Excusable Delay, the Contractor shall notify the Engineer in writing of such delay and its cause, in order that the Engineer: (i) may take immediate steps to prevent if possible the occurrence or continuance of the delay; or (ii) if this cannot be done, may determine whether the delay is to be considered excusable, how long it continues, and to what extent the prosecution and completion of the Work are delayed thereby. Said written notice shall constitute an application for an extension of time only if the notice requests such an extension and sets forth the Contractor's estimate of the additional time required together with a full description of the cause of the delay relied upon.

After the completion of any part or whole of the Work, the Engineer, in estimating the amount due Contractor, will assume that any and all delays that may have occurred in its prosecution and completion were not Excusable Delays, except for such delays for which the Contractor has provided timely written notice as required herein, and that the Engineer has found to be excusable. Contractor shall not be entitled to claim Excusable Delay for any delay for which the Contractor failed to provide such timely written notice.

23. EXTENSION OF TIME

If the Contractor complies with Section 22, above, and the Engineer finds a delay claimed by the Contractor to be an Excusable Delay, the Contractor shall be allowed an extension of time to complete the Work that is proportional to the period of Excusable Delay determined by the Engineer, subject to the approval by City of a change order granting such time extension. During a duly authorized extension for an Excusable Delay, City shall not charge liquidated damages against the Contractor for such delay.

If the City extends the time to complete the Work as provided herein, such extension shall in no way release any warranty or guarantee given by Contractor pursuant to the provisions of the Contract Documents, nor shall such extension of time relieve or release the sureties of the Bonds provided pursuant to the Contract Documents. By executing such Bonds, the Sureties shall be deemed to have expressly agreed to any such extension of time. The granting of any extension of time as provided herein shall in no way operate as a waiver on the part of City of its rights under this Contract, excepting only extension of the Completion Date for such period of Excusable Delay as may be determined by the Engineer and approved by a duly authorized change order.

24. NO PAYMENT FOR DELAYS

No damages or compensation of any kind shall be paid to Contractor or any subcontractor because of delays in the progress of the Work whether or not such delays qualify for extension of time under this Agreement; except that this provision shall not preclude the recovery of damages for a delay caused by the City that is unreasonable under the circumstances and that is not within the contemplation of the parties, provided that the Contractor timely submits all such written notice(s) and fully complies with such other procedures as may be specified in the Contract Documents or any Laws or Regulations for Contractor to claim damages for such delay.

25. CHANGES IN THE WORK

Changes in the Work authorized or directed in accordance with the Contract Documents and extensions of time of completion made necessary by reason thereof shall not in any way release any warranty or guarantee given by Contractor pursuant to the provisions of the Contract Documents, nor shall such changes in the Work relieve or release the Sureties on Bonds provided pursuant to the Contract Documents. By executing such Bonds, the Sureties shall be deemed to have expressly agreed to any such change in Work and to any extension of time made by reason thereof.

26. TERMINATION AFTER COMPLETION DATE

In addition to any other rights City may have, if any services or work required under the Contract (including but not limited to punch list items) are not completed as of the Completion Date (as adjusted by any

extensions of time for Excusable Delays granted pursuant to the Contract Documents), City may terminate the Contract at any time after the Completion Date (as adjusted by any extensions of time for Excusable Delays granted pursuant to the Contract Documents), by providing a written notice to Contractor specifying the date of termination. Such notice also may specify conditions or requirements that Contractor must meet to avoid termination of the Contract on such date. If Contractor fails to fulfill all such conditions and requirements by such termination date, or, if no such conditions or requirements are specified, Contractor shall cease rendering services and performing work on such termination date, and shall not be entitled to receive any compensation for services rendered or work performed after such termination date. In the event of such termination, Contractor shall remain liable to City for liquidated damages incurred for any period of time prior to the termination date.

In addition to any other charges, withholdings or deductions authorized under the Contract or any Laws or Regulations, if City terminates the Contract pursuant to this section, City may withhold and deduct from any payment and/or retention funds otherwise due Contractor any sum necessary to pay the City's cost of completing or correcting, or contracting for the completion or correction of, any services or work under the Contract that are not completed to the satisfaction of the City or that otherwise are deficient or require correction as of such termination date, including but not limited to incomplete punch list items. Such costs shall include all of the City's direct and indirect costs incurred to complete or correct such services or work, including the City's administrative and overhead costs. If the amount of payment(s) and/or retention funds otherwise due the Contractor are insufficient to pay such costs, City shall have the right to recover the balance of such costs from the Contractor and/or its Surety(ies).

27. TERMINATION FOR CONVENIENCE

Upon written notice to the Contractor, the City may at any time, without cause and without prejudice to any other right or remedy of the City, elect to terminate the Contract for the convenience of City. In such case, the Contractor shall be paid (without duplication of any items, and after deduction and/or withholding of any amounts authorized to be deducted or withheld by the Contract Documents or any Laws or Regulations):

- A. For Work executed in accordance with the Contract Documents prior to the effective date of termination and determined to be acceptable by the Engineer, including fair and reasonable sums for overhead and profit on such Work;
- B. For reasonable claims, costs, losses, and damages incurred in settlement of terminated contracts with subcontractors, suppliers, and others; and
- C. For reasonable expenses directly attributable to termination.

Contractor shall not be paid for any loss of anticipated profits or revenue for any Work not performed prior to termination, nor for any economic loss arising out of or resulting from such termination, except for the payments listed in this section. Contractor's warranty under Section 14 of this Agreement shall apply, and Contractor shall remain responsible for all obligations related to such warranty, with respect to all portions of the Work performed prior to the effective date of the termination for convenience pursuant to this section. The City shall be entitled to have any or all remaining Work performed by other contractors or by any other means at any time after the effective date of a termination for convenience pursuant to this section.

28. TERMINATION FOR BREACH OF CONTRACT

If Contractor abandons the Work under this Contract, or if the Contract or any portion of the Contract is sublet or assigned without the consent of the City, or if the Engineer determines in the Engineer's sole discretion that the conditions of the Contract in respect to the rate of progress of the Work are not being fulfilled or any part thereof is unnecessarily delayed, or if Contractor violates or breaches, or fails to execute in good faith, any of the terms or conditions of the Contract, or if Contractor refuses or fails to supply enough properly skilled labor or materials or refuses or fails to make prompt payment to subcontractors for material or labor, or if Contractor disregards any Laws or Regulations or proper

instruction or orders of the Engineer, then, notwithstanding any provision to the contrary herein, the City may give Contractor and its Sureties written notification to immediately correct the situation or the Contract shall be terminated.

In the event that such notice is given, and, in the event such situation is not corrected, or arrangements for correction satisfactory to the City are not made, within ten (10) calendar days from the date of such notice or within such other period of time as may be specified by the City in the notice, the Contract shall upon the expiration of said period cease and terminate. In the event of any such termination, City may take over the Work and prosecute the Work to completion, or otherwise, and the Contractor and its Sureties shall be liable to City for any cost occasioned City thereby, as hereinafter set forth.

In the event City completes the Work, or causes the Work to be completed, no payment of any kind shall be made to Contractor until the Work is complete. The cost of completing the Work, including but not limited to, extra costs of project administration and management incurred by City, both direct or indirect, shall be deducted from any sum then due, or that becomes due, to Contractor from City. If sums due to Contractor from City are less than the cost of completing the Work, Contractor and its Sureties shall pay City a sum equal to this difference on demand. In the event City completes the Work, and there is a sum remaining due to Contractor after City deducts the costs of completing the Work, then City shall pay such sum to Contractor. The Contractor and Contractor's Sureties shall be jointly and severally liable for all obligations imposed on Contractor hereunder.

No act by City before the Work is finally accepted, including, but not limited to, exercise of other rights under the Contract, actions at law or in equity, extensions of time, payments, assessments of liquidated damages, occupation or acceptance of any part of the Work, waiver of any prior breach of the Contract or failure to take action pursuant to this section upon the happening of any prior default or breach of Contractor, shall be construed to be a waiver or estoppel of the City's right to act pursuant to this Section upon any subsequent event, occurrence or failure by Contractor to fulfill the terms and conditions of the Contract. The rights of City to terminate the Contract pursuant to this Section and pursuant to Sections 26 and 27 are cumulative and are in addition to all other rights of City pursuant to the Contract and at law or in equity.

29. CONTRACTOR BANKRUPT

If Contractor should commence any bankruptcy proceeding, or if Contractor is adjudged a bankrupt, or if Contractor makes any assignment for the benefit of creditors, or if a receiver is appointed on account of Contractor's insolvency, then the City may, without prejudice to any other right or remedy, terminate the Contract and complete the work by giving notice as provided in Section 28 above.

30. SURETIES' OBLIGATIONS UPON TERMINATION

If the City terminates the Contract pursuant to Section 28 or Section 29 above:

- A. The Surety under Contractor's performance bond shall be fully responsible for all of the Contractor's remaining obligations of performance under the Contract as if the Surety were a party to the Contract, including without limitation Contractor's obligations, as provided in the Contract Documents, to complete and provide a one-year warranty of the entire Work, pay liquidated damages and indemnify, defend and hold harmless City, up to the full amount of the performance bond.
- B. The Surety under Contractor's payment bond shall be fully responsible for the performance of all of the Contractor's remaining payment obligations for work, services, equipment or materials performed or provided in connection with the Work or any portion thereof, up to the full amount of the payment bond.

31. ACCOUNTING RECORDS OF CONTRACTOR

During performance of the Contract and for a period of three (3) years after completing the entire Work, Contractor shall maintain all accounting and financial records related to the Contract and performance

of the Work in accordance with generally accepted accounting practices, and shall keep and make such records available for inspection and audit by representatives of the City upon reasonable written notice.

32. USE TAX REQUIREMENTS

During the performance of this Agreement, CONTRACTOR, for itself, its assignees and successors in interest, agrees as follows:

- A. Use Tax Direct Payment Permit: For all leases and purchases of materials, equipment, supplies, or other tangible personal property used to perform the Agreement and shipped from outside California, the Contractor and any subcontractors leasing or purchasing such materials, equipment, supplies or other tangible personal property shall obtain a Use Tax Direct Payment Permit from the California State Board of Equalization ("SBE") in accordance with the applicable SBE criteria and requirements.
- B. Sellers Permit: For any construction contract and any construction subcontract in the amount of \$5,000,000 or more, Contractor and the subcontractor(s) shall obtain sellers permits from the SBE and shall register the jobsite as the place of business for the purpose of allocating local sales and use tax to the City. Contractor and its subcontractors shall remit the self-accrued use tax to the SBE, and shall provide a copy of each remittance to the City.
- C. The above provisions shall apply in all instances unless prohibited by the funding source for the Agreement.

IN WITNESS WHEREOF, the parties hereto have signed this Agreement on the date set for opposite their names.

CONTRACTOR

Under penalty of perjury, I certify that the taxpayer identification number and all other information provided here are correct.

DATE 5/19/15

BY Karen Silva
Karen Silva
Print Name
President
Title

BY _____
Print Name
Title
680382103
Federal ID#
3984002-0
State ID#

City of Sacramento Business Operation Tax Certificate No. (City will not award contract until Certificate Number is obtained)

Type of Business Entity (check one):
 Individual/Sole Proprietor
 Partnership
 Corporation
 Limited Liability Company
 Other (please specify: _____)

CITY OF SACRAMENTO
a municipal corporation

DATE _____

BY [Signature]
For: John F. Shirey, City Manager

Original Approved As To Form:

Attest:

[Signature]
City Attorney

[Signature] 06/17/15
City Clerk



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

6/1/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Warren G. Bender Co. 516 Gibson Drive Suite 240 Roseville, CA 95678	CONTACT NAME: _____	
	PHONE (A/C No, Ext): (916) 380-5300 FAX (A/C No): (916) 380-5206 E-MAIL ADDRESS: _____	
INSURED Navajo Pipelines, Inc. 4671 24th Street Sacramento, CA 95822-1412	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A: Travelers Property Casualty	36161
	INSURER B: Travelers Commercial Casualty	40282
	INSURER C: Travelers Property Casualty	25674
	INSURER D: INSURER E: INSURER F:	

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL/SUBR		POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
		INSD	WVD					
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE: <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY: <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:	X		CO6405N968	07/12/2014	07/12/2015	EACH OCCURRENCE	\$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 50,000
							MED EXP (Any one person)	\$ 5,000
							PERSONAL & ADV INJURY	\$ 1,000,000
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMP/OP/AGG	\$ 2,000,000
								\$
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO: ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	X		8106405N968	07/12/2014	07/12/2015	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE DED: RETENTION \$			CUP6405N968	07/12/2014	07/12/2015	EACH OCCURRENCE	\$ 5,000,000
							AGGREGATE	\$ 5,000,000
								\$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE/OFFICER/ MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	X UB-3E987184	10/01/2014	10/01/2015	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER	
							E.L. EACH ACCIDENT	\$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY-LIMIT	\$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Curtis Park Water Main Replacement, Phase 2/ The City, its officials, employees, and volunteers are included as additional insureds per the attached endorsements. AI, Primary, Auto AI, WC WOS, Wrap Up Exclusion.

CERTIFICATE HOLDER

CANCELLATION

City of Sacramento c/o Ebix RCS PO Box 257 Portland, MI 48875-0257	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
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WORKERS COMPENSATION AND EMPLOYERS LIABILITY POLICY

ENDORSEMENT WC 99 03 76 (A) - 001

POLICY NUMBER: (DTJUB-3E98718-4-14)

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT - CALIFORNIA (BLANKET WAIVER)

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule.

The additional premium for this endorsement shall be 05.000 % of the California workers' compensation premium.

Schedule

Person or Organization

Job Description

ANY PERSON OR ORGANIZATION FOR WHICH THE INSURED HAS AGREED BY WRITTEN CONTRACT EXECUTED PRIOR TO LOSS TO FURNISH THIS WAIVER

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.

(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement Effective Insured

Policy No.

Endorsement No. Premium

Insurance Company

Countersigned by _____

DATE OF ISSUE: 10-22-14 ST ASSIGN:

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

CONTRACTORS XTEND ENDORSEMENT

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

GENERAL DESCRIPTION OF COVERAGE – Provisions **A.-H.** and **J.-N.** of this endorsement broaden coverage, and provision **I.** of this endorsement may limit coverage. The following listing is a general coverage description only. Limitations and exclusions may apply to these coverages. Read all the **PROVISIONS** of this endorsement carefully to determine rights, duties, and what is and is not covered.

- | | |
|--|--|
| <ul style="list-style-type: none"> A. Broadened Named Insured B. Extension of Coverage – Damage To Premises Rented To You <ul style="list-style-type: none"> • Perils of fire, explosion, lightning, smoke, water • Limit increased to \$300,000 C. Blanket Waiver of Subrogation D. Blanket Additional Insured – Managers or Lessors of Premises E. Incidental Medical Malpractice F. Extension of Coverage – Bodily Injury G. Contractual Liability – Railroads | <ul style="list-style-type: none"> H. Additional Insured – State or Political Subdivisions I. Other Insurance Condition J. Increased Supplementary Payments <ul style="list-style-type: none"> • Cost of bail bonds increased to \$2,500 • Loss of earnings increased to \$500 per day K. Knowledge and Notice of Occurrence or Offense L. Unintentional Omission M. Personal Injury – Assumed by Contract N. Blanket Additional Insured – Lessor of Leased Equipment |
|--|--|

PROVISIONS

A. BROADENED NAMED INSURED:

1. The Named Insured in Item 1. of the Declarations is as follows:

The person or organization named in Item 1. of the Declarations and any organization, other than a partnership, joint venture or limited liability company, of which you maintain ownership or in which you maintain the majority interest on the effective date of the policy. However, coverage for any such additional organization will cease as of the date, if any, during the policy period, that you no longer maintain ownership of, or the majority interest in, such organization.

2. **WHO IS AN INSURED (Section II) Item 4.a.** is deleted and replaced by the following:
 - a. Coverage under this provision is afforded only until the 180th day after you acquire or form the organization or the end of the policy period, whichever is earlier.

3. This Provision **A.** does not apply to any person or organization for which coverage is excluded by endorsement.

B. EXTENSION OF COVERAGE – DAMAGE TO PREMISES RENTED TO YOU

1. The last paragraph of **COVERAGE A. BODILY INJURY AND PROPERTY DAMAGE LIABILITY (Section I – Coverages)** is deleted and replaced by the following:

Exclusions **c.** through **n.** do not apply to damage to premises while rented to you, or temporarily occupied by you with permission of the owner, caused by:

- a. Fire;
- b. Explosion;
- c. Lightning;
- d. Smoke resulting from such fire, explosion, or lightning; or
- e. Water.

A separate limit of insurance applies to this coverage as described in **Section III Limits Of Insurance.**

COMMERCIAL GENERAL LIABILITY

2. This insurance does not apply to damage to premises while rented to you, or temporarily occupied by you with permission of the owner, caused by:

- a. Rupture, bursting, or operation of pressure relief devices;
- b. Rupture or bursting due to expansion or swelling of the contents of any building or structure, caused by or resulting from water;
- c. Explosion of steam boilers, steam pipes, steam engines, or steam turbines.

3. Paragraph 6. of LIMITS OF INSURANCE (Section III) is deleted and replaced by the following:

Subject to 5. above, the Damage To Premises Rented To You Limit is the most we will pay under COVERAGE A. for the sum of all damages because of "property damage" to any one premises while rented to you, or temporarily occupied by you with permission of the owner, caused by: fire; explosion; lightning; smoke resulting from such fire, explosion, or lightning; or water. The Damage To Premises Rented To You Limit will apply to all "property damage" proximately caused by the same "occurrence", whether such damage results from: fire; explosion; lightning; smoke resulting from such fire, explosion, or lightning; or water; or any combination of any of these causes.

The Damage To Premises Rented To You Limit will be the higher of:

- a. \$300,000; or
- b. The amount shown on the Declarations for Damage To Premises Rented To You Limit.

4. Paragraph a. of the definition of "insured contract" (DEFINITIONS - Section V) is deleted and replaced by the following:

- a. A contract for a lease of premises. However, that portion of the contract for a lease of premises that indemnifies any person or organization for damage to premises while rented to you, or temporarily occupied by you with permission of the owner, caused by: fire; explosion; lightning; smoke resulting from such fire, explosion, or lightning; or water, is not an "insured contract".

5. This Provision B. does not apply if coverage for Damage To Premises Rented To You of COVERAGE A. BODILY INJURY AND PROPERTY DAMAGE LIABILITY (Section I - Coverages) is excluded by endorsement.

C. BLANKET WAIVER OF SUBROGATION

We waive any right of recovery we may have against any person or organization because of payments we make for injury or damage arising out of: premises owned or occupied by or rented or loaned to you; ongoing operations performed by you or on your behalf, done under a contract with that person or organization; "your work"; or "your products". We waive this right where you have agreed to do so as part of a written contract, executed by you, before the "bodily injury" or "property damage" occurs or the "personal injury" or "advertising injury" offense is committed.

D. BLANKET ADDITIONAL INSURED - MANAGERS OR LESSORS OF PREMISES

WHO IS AN INSURED (Section II) is amended to include as an insured any person or organization (referred to below as "additional insured") with whom you have agreed in a written contract, executed before the "bodily injury" or "property damage" occurs or the "personal injury" or "advertising injury" offense is committed, to name as an additional insured, but only with respect to liability arising out of the ownership, maintenance or use of that part of any premises leased to you, subject to the following provisions:

- 1. Limits of Insurance. The limits of insurance afforded to the additional insured shall be the limits which you agreed to provide in the written contract, or the limits shown on the Declarations, whichever are less.
- 2. The insurance afforded to the additional insured does not apply to:
 - a. Any "bodily injury" or "property damage" that occurs, or "personal injury" or "advertising injury" caused by an offense which is committed, after you cease to be a tenant in that premises;
 - b. Any premises for which coverage is excluded by endorsement; or
 - c. Structural alterations, new construction or demolition operations performed by or on behalf of such additional insured.
- 3. The insurance afforded to the additional insured is excess over any valid and collectible

"other insurance" available to such additional insured, unless you have agreed in the written contract that this insurance must be primary to, or non-contributory with, such "other insurance".

E. INCIDENTAL MEDICAL MALPRACTICE

1. The following is added to paragraph 1. Insuring Agreement of COVERAGE A. – BODILY INJURY AND PROPERTY DAMAGE LIABILITY (Section I – Coverages):

"Bodily injury" arising out of the rendering of, or failure to render, the following will be deemed to be caused by an "occurrence":

- a. Medical, surgical, dental, laboratory, x-ray or nursing service, advice or instruction, or the related furnishing of food or beverages;
 - b. The furnishing or dispensing of drugs or medical, dental, or surgical supplies or appliances;
 - c. First aid; or
 - d. "Good Samaritan services." As used in this Provision E., "Good Samaritan services" are those medical services rendered or provided in an emergency and for which no remuneration is demanded or received.
2. Paragraph 2.a.(1)(d) of WHO IS AN INSURED (Section II) does not apply to any registered nurse, licensed practical nurse, emergency medical technician or paramedic employed by you, but only while performing the services described in paragraph 1. above and while acting within the scope of their employment by you. Any "employees" rendering "Good Samaritan services" will be deemed to be acting within the scope of their employment by you.
 3. The following exclusion is added to paragraph 2. Exclusions of COVERAGE A. – BODILY INJURY AND PROPERTY DAMAGE LIABILITY (Section I – Coverages):
(This insurance does not apply to:) "Bodily injury" or "property damage" arising out of the willful violation of a penal statute or ordinance relating to the sale of pharmaceuticals committed by or with the knowledge or consent of the insured.
 4. For the purposes of determining the applicable limits of insurance, any act or omission

together with all related acts or omissions in the furnishing of the services described in paragraph 1. above to any one person will be deemed one "occurrence".

5. This Provision E. does not apply if you are in the business or occupation of providing any of the services described in paragraph 1. above.
6. The insurance provided by this Provision E. shall be excess over any valid and collectible "other insurance" available to the insured, whether primary, excess, contingent or on any other basis, except for insurance that you bought specifically to apply in excess of the Limits of Insurance shown on the Declarations of this Coverage Part.

F. EXTENSION OF COVERAGE – BODILY INJURY

The definition of "bodily injury" (DEFINITIONS – Section V) is deleted and replaced by the following:

"Bodily injury" means bodily injury, mental anguish, mental injury, shock, fright, disability, humiliation, sickness or disease sustained by a person, including death resulting from any of these at any time.

G. CONTRACTUAL LIABILITY – RAILROADS

1. Paragraph c. of the definition of "insured contract" (DEFINITIONS – Section V) is deleted and replaced by the following:
 - c. Any easement or license agreement;
2. Paragraph f.(1) of the definition of "insured contract" (DEFINITIONS – Section V) is deleted.

H. ADDITIONAL INSURED – STATE OR POLITICAL SUBDIVISIONS – PERMITS

WHO IS AN INSURED (Section II) is amended to include as an insured any state or political subdivision, subject to the following provisions:

1. This insurance applies only when required to be provided by you by an ordinance, law or building code and only with respect to operations performed by you or on your behalf for which the state or political subdivision has issued a permit.
2. This insurance does not apply to:
 - a. "Bodily injury," "property damage," "personal injury" or "advertising injury" arising out of operations performed for the state or political subdivision; or

COMMERCIAL GENERAL LIABILITY

- b. "Bodily injury" or "property damage" included in the "products-completed operations hazard".

I. OTHER INSURANCE CONDITION

A. COMMERCIAL GENERAL LIABILITY CONDITIONS (Section IV), paragraph 4. (Other Insurance) is deleted and replaced by the following:

4. Other Insurance

If valid and collectible "other insurance" is available to the insured for a loss we cover under Coverages A or B of this Coverage Part, our obligations are limited as follows:

a. Primary Insurance

This insurance is primary except when b. below applies. If this insurance is primary, our obligations are not affected unless any of the "other insurance" is also primary. Then, we will share with all that "other insurance" by the method described in c. below.

b. Excess Insurance

This insurance is excess over any of the "other insurance", whether primary, excess, contingent or on any other basis:

- (1) That is Fire, Extended Coverage, Builder's Risk, Installation Risk, or similar coverage for "your work";
- (2) That is Fire insurance for premises rented to you or temporarily occupied by you with permission of the owner;
- (3) That is insurance purchased by you to cover your liability as a tenant for "property damage" to premises rented to you or temporarily occupied by you with permission of the owner; or
- (4) If the loss arises out of the maintenance or use of aircraft, "autos", or watercraft to the extent not subject to Exclusion g. of Section I - Coverage A - Bodily Injury And Property Damage Liability; or
- (5) That is available to the insured when the insured is an additional

insured under any other policy, including any umbrella or excess policy.

When this insurance is excess, we will have no duty under Coverages A or B to defend the insured against any "suit" if any provider of "other insurance" has a duty to defend the insured against that "suit". If no provider of "other insurance" defends, we will undertake to do so, but we will be entitled to the insured's rights against all those providers of "other insurance".

When this insurance is excess over "other insurance", we will pay only our share of the amount of the loss, if any, that exceeds the sum of:

- (1) The total amount that all such "other insurance" would pay for the loss in the absence of this insurance; and
- (2) The total of all deductible and self-insured amounts under that "other insurance".

We will share the remaining loss, if any, with any "other insurance" that is not described in this Excess Insurance provision.

c. Method Of Sharing

If all of the "other insurance" permits contribution by equal shares, we will follow this method also. Under this approach each provider of insurance contributes equal amounts until it has paid its applicable limit of insurance or none of the loss remains, whichever comes first.

If any of the "other insurance" does not permit contribution by equal shares, we will contribute by limits. Under this method, the share of each provider of insurance is based on the ratio of its applicable limit of insurance to the total applicable limits of insurance of all providers of insurance.

B. The following definition is added to DEFINITIONS (Section V):

"Other insurance":

- a. Means insurance, or the funding of losses, that is provided by, through or on behalf of:

- (1) Another insurance company;
 - (2) Us or any of our affiliated insurance companies, except when the Non cumulation of Each Occurrence Limit section of Paragraph 5 of LIMITS OF INSURANCE (Section III) or the Non cumulation of Personal and Advertising Injury limit sections of Paragraph 4 of LIMITS OF INSURANCE (Section III) applies;
 - (3) Any risk retention group;
 - (4) Any self-insurance method or program, other than any funded by you and over which this Coverage Part applies; or
 - (5) Any similar risk transfer or risk management method.
- b. Does not include umbrella insurance, or excess insurance, that you bought specifically to apply in excess of the Limits of Insurance shown on the Declarations of this Coverage Part.

J. INCREASED SUPPLEMENTARY PAYMENTS

Paragraphs 1.b. and 1.d. of SUPPLEMENTARY PAYMENTS – COVERAGES A AND B (Section I – Coverages) are amended as follows:

- 1. In paragraph 1.b., the amount we will pay for the cost of bail bonds is increased to \$2500.
- 2. In paragraph 1.d., the amount we will pay for loss of earnings is increased to \$500 a day.

K. KNOWLEDGE AND NOTICE OF OCCURRENCE OR OFFENSE

- 1. The following is added to COMMERCIAL GENERAL LIABILITY CONDITIONS (Section IV), paragraph 2. (Duties In The Event of Occurrence, Offense, Claim or Suit):

Notice of an "occurrence" or of an offense which may result in a claim must be given as soon as practicable after knowledge of the "occurrence" or offense has been reported to you, one of your "executive officers" (if you are a corporation), one of your partners who is an individual (if you are a partnership), one of your managers (if you are a limited liability company), or an "employee" (such as an insurance, loss control or risk manager or administrator) designated by you to give such notice.

Knowledge by any other "employee" of an "occurrence" or offense does not imply that you also have such knowledge.

- 2. Notice of an "occurrence" or of an offense which may result in a claim will be deemed to be given as soon as practicable to us if it is given in good faith as soon as practicable to your workers' compensation insurer. This applies only if you subsequently give notice of the "occurrence" or offense to us as soon as practicable after you, one of your "executive officers" (if you are a corporation), one of your partners who is an individual (if you are a partnership), one of your managers (if you are a limited liability company), or an "employee" (such as an insurance, loss control or risk manager or administrator) designated by you to give such notice discovers that the "occurrence" or offense may involve this policy.
- 3. This Provision K. does not apply as respects the specific number of days within which you are required to notify us in writing of the abrupt commencement of a discharge, release or escape of "pollutants" that causes "bodily injury" or "property damage" which may otherwise be covered under this policy.

L. UNINTENTIONAL OMISSION

The following is added to COMMERCIAL GENERAL LIABILITY CONDITIONS (Section IV), paragraph 6. (Representations):

The unintentional omission of, or unintentional error in, any information provided by you which we relied upon in issuing this policy shall not prejudice your rights under this insurance. However, this Provision L. does not affect our right to collect additional premium or to exercise our right of cancellation or nonrenewal in accordance with applicable state insurance laws, codes or regulations.

M. PERSONAL INJURY – ASSUMED BY CONTRACT

- 1. The following is added to Exclusion e. (1) of Paragraph 2., Exclusions of Coverage B. Personal Injury, Advertising Injury, and Web Site Injury Liability of the Web XTEND Liability endorsement:

Solely for the purposes of liability assumed in an "insured contract", reasonable attorney fees and necessary litigation expenses incurred by or for a party other than an insured are deemed to be damages because of "personal injury" provided:

- (a) Liability to such party for, or for the cost of, that party's defense has also been as-

COMMERCIAL GENERAL LIABILITY

sumed in the same "insured contract"; and

- (b) Such attorney fees and litigation expenses are for defense of that party against a civil or alternative dispute resolution proceeding in which damages to which this insurance applies are alleged.
- 2. Paragraph 2.d. of SUPPLEMENTARY PAYMENTS – COVERAGES A AND B (Section I – Coverages) is deleted and replaced by the following:
 - d. The allegations in the "suit" and the information we know about the "occurrence" or offense are such that no conflict appears to exist between the interests of the insured and the interests of the indemnitee;
- 3. The third sentence of Paragraph 2 of SUPPLEMENTARY PAYMENTS – COVERAGES A AND B (Section I – Coverages) is deleted and replaced by the following:

Notwithstanding the provisions of Paragraph 2.b.(2) of Section I – Coverage A – Bodily Injury And Property Damage Liability, or the provisions of Paragraph 2.e.(1) of Section I – Coverage B – Personal Injury, Advertising Injury And Web Site Injury Liability, such payments will not be deemed to be damages for "bodily injury" and "property damage", or damages for "personal injury", and will not reduce the limits of insurance.
- 4. This provision M. does not apply if coverage for "personal injury" liability is excluded by endorsement.

N. BLANKET ADDITIONAL INSURED – LESSOR OF LEASED EQUIPMENT

WHO IS AN INSURED (Section II) is amended to include as an insured any person or organization (referred to below as "additional insured") with whom you have agreed in a written contract, executed before the "bodily injury" or "property damage" occurs or the "personal injury" or "advertising injury" offense is committed, to name as an additional insured, but only with respect to their liability for "bodily injury", "property damage", "personal injury" or "advertising injury" caused, in whole or in part, by your acts or omissions in the maintenance, operation or use of equipment leased to you by such additional insured, subject to the following provisions:

- 1. Limits of Insurance. The limits of insurance afforded to the additional insured shall be the limits which you agreed to provide in the written contract, or the limits shown on the Declarations, whichever are less.
- 2. The insurance afforded to the additional insured does not apply to any "bodily injury" or "property damage" that occurs, or "personal injury" or "advertising injury" caused by an offense which is committed, after the equipment lease expires.
- 3. The insurance afforded to the additional insured is excess over any valid and collectible "other insurance" available to such additional insured, unless you have agreed in the written contract that this insurance must be primary to, or non-contributory with, such "other insurance".

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY

BLANKET ADDITIONAL INSURED (CONTRACTORS)

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

1. WHO IS AN INSURED – (Section II) is amended to include any person or organization that you agree in a "written contract requiring insurance" to include as an additional insured on this Coverage Part, but:
 - a) Only with respect to liability for "bodily injury", "property damage" or "personal injury"; and
 - b) If, and only to the extent that, the injury or damage is caused by acts or omissions of you or your subcontractor in the performance of "your work" to which the "written contract requiring insurance" applies. The person or organization does not qualify as an additional insured with respect to the independent acts or omissions of such person or organization.
2. The insurance provided to the additional insured by this endorsement is limited as follows:
 - a) In the event that the Limits of Insurance of this Coverage Part shown in the Declarations exceed the limits of liability required by the "written contract requiring insurance", the insurance provided to the additional insured shall be limited to the limits of liability required by that "written contract requiring insurance". This endorsement shall not increase the limits of insurance described in Section III – Limits Of Insurance.
 - b) The insurance provided to the additional insured does not apply to "bodily injury", "property damage" or "personal injury" arising out of the rendering of, or failure to render, any professional architectural, engineering or surveying services, including:
 - i. The preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders or change orders, or the preparing, approving, or failing to prepare or approve, drawings and specifications; and
 - ii. Supervisory, inspection, architectural or engineering activities.
 - c) The insurance provided to the additional insured does not apply to "bodily injury" or "property damage" caused by "your work" and included in the "products-completed operations hazard" unless the "written contract requiring insurance" specifically requires you to provide such coverage for that additional insured, and then the insurance provided to the additional insured applies only to such "bodily injury" or "property damage" that occurs before the end of the period of time for which the "written contract requiring insurance" requires you to provide such coverage or the end of the policy period, whichever is earlier.
3. The insurance provided to the additional insured by this endorsement is excess over any valid and collectible "other insurance", whether primary, excess, contingent or on any other basis, that is available to the additional insured for a loss we cover under this endorsement. However, if the "written contract requiring insurance" specifically requires that this insurance apply on a primary basis or a primary and non-contributory basis, this insurance is primary to "other insurance" available to the additional insured which covers that person or organization as a named insured for such loss, and we will not share with that "other insurance". But the insurance provided to the additional insured by this endorsement still is excess over any valid and collectible "other insurance", whether primary, excess, contingent or on any other basis, that is available to the additional insured when that person or organization is an additional insured under such "other insurance".
4. As a condition of coverage provided to the additional insured by this endorsement:
 - a) The additional insured must give us written notice as soon as practicable of an "occurrence" or an offense which may result in a claim. To the extent possible, such notice should include:

COMMERCIAL GENERAL LIABILITY

- i. How, when and where the "occurrence" or offense took place;
 - ii. The names and addresses of any injured persons and witnesses; and
 - iii. The nature and location of any injury or damage arising out of the "occurrence" or offense.
- b) If a claim is made or "suit" is brought against the additional insured, the additional insured must:
- i. Immediately record the specifics of the claim or "suit" and the date received; and
 - ii. Notify us as soon as practicable.
- The additional insured must see to it that we receive written notice of the claim or "suit" as soon as practicable.
- c) The additional insured must immediately send us copies of all legal papers received in connection with the claim or "suit", cooperate with us in the investigation or settlement of the claim or defense against the "suit", and otherwise comply with all policy conditions.
- d) The additional insured must tender the defense and indemnity of any claim or "suit" to

any provider of "other insurance" which would cover the additional insured for a loss we cover under this endorsement. However, this condition does not affect whether the insurance provided to the additional insured by this endorsement is primary to "other insurance" available to the additional insured which covers that person or organization as a named insured as described in paragraph 3. above.

5. The following definition is added to SECTION V. - DEFINITIONS:

"Written contract requiring insurance" means that part of any written contract or agreement under which you are required to include a person or organization as an additional insured on this Coverage Part, provided that the "bodily injury" and "property damage" occurs and the "personal injury" is caused by an offense committed:

- a. After the signing and execution of the contract or agreement by you;
- b. While that part of the contract or agreement is in effect; and
- c. Before the end of the policy period.

Travelers Property Casualty

A Member of *Travelers Group*

POLICY NUMBER: 8106405N968

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

A. SCHEDULE

Person or Organization:

Address:

As required by written contract

B. PROVISIONS

Paragraph C. of the WHO IS AN INSURED provision includes the person or organization indicated below but only for his, her or its liability because of acts or omissions of an "insured" under paragraphs a. or b. of that provision, subject to the following additional provisions:

1. No liability is assumed by that person or organization for the payment of any premiums stated in the policy or earned under the policy.
2. In the event of cancellation of the policy, written notice of cancellation will be mailed by us to that person or organization

CA T3 01 01 87



WORKERS COMPENSATION AND EMPLOYERS LIABILITY POLICY

ENDORSEMENT WC 99 03 76 (A) - 001

POLICY NUMBER: (DTJUB-3E98718-4-14)

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT - CALIFORNIA (BLANKET WAIVER)

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule.

The additional premium for this endorsement shall be 05.000 % of the California workers' compensation premium.

Schedule

Person or Organization

Job Description

ANY PERSON OR ORGANIZATION FOR WHICH THE INSURED HAS AGREED BY WRITTEN CONTRACT EXECUTED PRIOR TO LOSS TO FURNISH THIS WAIVER

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.

(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement Effective Insured

Policy No.

Endorsement No. Premium

Insurance Company

Countersigned by _____

DATE OF ISSUE: 10-22-14 ST ASSIGN:

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**EXCLUSION – ALL PROJECTS SUBJECT TO A
WRAP-UP INSURANCE PROGRAM
WITH LIMITED EXCEPTIONS FOR CERTAIN ONGOING
OPERATIONS**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
SELF-INSURED EXCESS COMMERCIAL GENERAL LIABILITY COVERAGE PART

1. The following exclusion is added to Paragraph 2., Exclusions of **Section I – Coverage A – Bodily Injury And Property Damage Liability**:

This insurance does not apply to "bodily injury" or "property damage" arising out of any project that is or was subject to a "wrap-up insurance program".

This exclusion does not apply to "bodily injury" or "property damage" arising out of your ongoing operations that:

- a. Are being performed at any location owned by, or rented to, you that is outside the project site for that project and is not covered by the "wrap-up insurance program" for that project; or
- b. Are punch list or warranty work, if coverage was available to the insured under the "wrap-up insurance program" for "bodily injury" or "property damage" arising out of your ongoing operations and the "bodily injury" or

"property damage" occurs after the expiration of all such coverage.

The exceptions in this exclusion do not apply to "bodily injury" or "property damage" included in the "products-completed operations hazard" even if you are required to provide such coverage for an additional insured by a written contract or agreement.

2. The following is added to **Section V – Definitions**:

"Wrap-up insurance program" means any agreement or arrangement, including any contractor-controlled, owner-controlled or similar insurance program, under which some or all of the contractors working on a specific project, or specific projects, are required to participate in a program to obtain insurance that:

- a. Includes the same or similar insurance as that provided by this Coverage Part; and
- b. Is issued specifically for injury or damage arising out of such project or projects.

ISSUED IN DUPLICATE

CITY OF SACRAMENTO
PERFORMANCE BOND
Department of Utilities

Bond No.: 106247067

Premium: \$50,137.00

WHEREAS, the City of Sacramento, State of California, hereinafter called City, has conditionally awarded to

Navajo Pipelines, Inc.
4671 24th Street
Sacramento, CA 95822

as principal, hereinafter called Contractor, a contract for construction of:

Curtis Park Water Main Replacement, Phase 2
(PN: Z14010062) (B15141321017)

which contract is by reference incorporated herein and made a part hereof as if the Surety named below were a party to the contract, and is hereinafter referred to as the Contract, and

WHEREAS, under the terms of the contract, the contractor is required to furnish a bond for the faithful performance of the contract.

NOW, THEREFORE, we the Contractor and (*here insert full name and address of Surety*):
Travelers Casualty and Surety Company of America, 11070 White Rock Road, Suite 130, Rancho Cordova, CA 95670

a corporation duly authorized and admitted to transact business and issue surety bonds in the State of California, hereinafter called Surety, are held and firmly bound unto the City, as obligee, in the sum of: **Five Million Seven Hundred Thirty Eight Thousand and Seven and Fifty Cents (\$5,738,007.50)** for the payment of which sum well and truly to be made; we the Contractor and Surety bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally. The condition of this obligation is such that, if the Contractor, Contractor's heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and fully perform all covenants, conditions and agreements required to be kept and performed by Contractor in the Contract and any changes, additions or alterations made thereto, to be kept and performed at the time and in the manner therein specified, and in all respects according to their true intent and meanings, and shall indemnify and save harmless the City, its officers, employees and agents, as therein provided; then the Surety's obligations under the Contract and this bond shall be null and void; otherwise they shall be and remain in full force and effect. This obligation shall remain in full force and effect through the end of the Contract warranty period, which will expire one year after the completion of work date specified in the Notice of Completion filed for the above-named project.

As part of the obligations secured hereby and in addition to the sum specified above, there shall be included all costs, expenses and fees, including attorney's fees, reasonably incurred by City in successfully enforcing such obligations, all to be taxed as costs and included in any judgment rendered.

The Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or to the work to be performed thereunder or to the specifications accompanying the same shall in any way affect its obligations on this bond, and it does hereby waive notice of any such change, extension, alteration or addition.

IN WITNESS WHEREOF, this instrument has been duly executed by authorized representatives of the Contractor and Surety.
SIGNED AND SEALED on May 13, 2015, 2015. To be effective June 9, 2015.

Navajo Pipelines, Inc.

By: Naren Silva (Contractor) (Seal)
Title: President

Travelers Casualty and Surety Company of America

By: Monica A. Hutchison (Surety) (Seal)
Title: Monica A. Hutchison, Attorney-in-Fact

ORIGINAL APPROVED AS TO FORM:

City Attorney: Joe [Signature]

Agent Name and Address: Warren G. Bender Co.
516 Gibson Drive, Suite 240, Roseville, CA 95678
Agent Phone #: (916) 380-5325
Surety Phone #: (916) 852-5266
California License #: 0406967
Surety Email: umclain@travelers.com

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

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

State of California

County of Sacramento



On May 13, 2015 before me, J. A. Shiroma, Notary Public, personally appeared
Date Here Insert Name and Title of the officer

Monica A. Hutchison
Name(s) of Signer(s)

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

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

WITNESS my hand and official seal.



Signature: J. A. Shiroma
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

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

Description of Attached Document:

Title or Type of Document: _____

Document Date: _____

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

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

Signer's Name: _____

Corporate Officer--Title(s): _____

Corporate Officer--Title(s): _____

Partner- Limited General

Partner- Limited General

Individual Attorney in fact

Individual Attorney in fact

Trustee Guardian or Conservator

Trustee Guardian or Conservator

Other: _____

Other: _____

Signer is Representing: _____

Signer is Representing: _____

ISSUED IN DUPLICATE

CITY OF SACRAMENTO
PAYMENT BOND
Department of Utilities

Bond No.: 106247067
Premium: Included

WHEREAS, the City of Sacramento, in the State of California, hereinafter called City, has conditionally awarded to:

Navajo Pipelines, Inc.
4671 24th Street
Sacramento, CA 95822

Herein after called Contractor, a contract for construction of:

Curtis Park Water Main Replacement, Phase 2
(PN: Z14010062) (B15141321017)

Which contract is by reference incorporated herein and made a part hereof, and is hereinafter referred to as the Contract; and

WHEREAS, under the terms of the Contract and pursuant to Chapter 5 of Title 3 of Part 6 of Division 4 of the California Civil Code (commencing with Civil Code Section 9550), Contractor is required to furnish a good and sufficient payment bond to secure payment of the claims to which reference is made in Civil Code Section 9554.

NOW, THEREFORE, we the Contractor and (here insert full name and address of Surety):
Travelers Casualty and Surety Company of America, 11070 White Rock Road, Suite 130, Rancho Cordova, CA 95670, a corporation duly authorized and admitted to transact business and issue surety bonds in the State of California, hereinafter called Surety, are held and firmly bound unto the City, and unto all persons or entities entitled to assert a claim against a payment bond under any of the aforesaid Civil Code provisions in the sum of **Five Million Seven Hundred Thirty Eight Thousand and Seven and Fifty Cents (\$5,738,007.50)** on the condition that if Contractor shall fail to pay for any materials or equipment furnished or used in performance of the Contract, or for any work or labor thereon of any kind, or for amounts due under the Unemployment Insurance Act with respect to such work or labor, or for any amounts required to be deducted, withheld, and paid over to the Franchise Tax Board or the Employment Development Department from the wages of employees of the Contractor and all subcontractors with respect to such work or labor, then the Surety shall pay the same in an amount not exceeding the sum specified above. If suit is brought upon this bond, Surety shall pay, in addition to the above sum, all costs, expenses and fees, including attorney's fees, reasonably incurred by any party in successfully enforcing the obligation secured hereby, all to be taxed as costs and included in any judgment rendered. Should the condition of this bond be fully performed, then this obligation shall become null and void, otherwise it shall be and remain in full force and effect, and shall bind Contractor, Surety, their heirs, executors, administrators, successors and assigns, jointly and severally.

It is hereby stipulated and agreed that this bond shall inure to the benefit of all persons, companies, corporations, political subdivisions, State agencies and other entities entitled to assert a claim against a payment bond under any of the aforesaid Civil Code provisions, so as to give a right of action to them or their assigns in any suit brought upon this bond. The Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or to the work to be performed thereunder or to the specifications accompanying the same shall in any way affect its obligations on this bond, and it does hereby waive notice of any such change, extension, alteration or addition.

IN WITNESS WHEREOF, this instrument has been duly executed by authorized representatives of the Contractor and Surety. SIGNED AND SEALED on: May 13, 2015. To be effective June 9, 2015.

Navajo Pipelines, Inc.
By: Raren Silva (Contractor) (Seal)
Title: President

Travelers Casualty and Surety Company of America
By: Monica A. Hutchison (Surety) (Seal)
Title: Monica A. Hutchison, Attorney-in-Fact
Agent Name and Address: Warren G. Bender Co., 516 Gibson Drive, Suite 240, Roseville, CA 95678
Agent Phone #: (916) 380-5325
Surety Phone #: (916) 852-5266
California License #: 0406967
Surety Email: umcclain@travelers.com

ORIGINAL APPROVED AS TO FORM:
Joe Dol
City Attorney

Effective 7-1-12

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

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

State of California

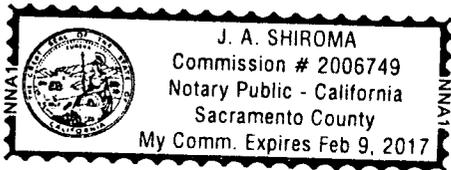
County of Sacramento



On May 13, 2015 before me, J. A. Shiroma, Notary Public, personally appeared
Date Here Insert Name and Title of the officer

Monica A. Hutchison
Name(s) of Signer(s)

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



Place Notary Seal Above

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

WITNESS my hand and official seal.

Signature: J. A. Shiroma
Signature of Notary Public

OPTIONAL

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

Description of Attached Document.

Title or Type of Document: _____

Document Date: _____

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

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

Signer's Name: _____

Corporate Officer--Title(s): _____

Corporate Officer--Title(s): _____

Partner- Limited General

Partner- Limited General

Individual Attorney in fact

Individual Attorney in fact

Trustee Guardian or Conservator

Trustee Guardian or Conservator

Other: _____

Other: _____

Signer is Representing: _____

Signer is Representing: _____





POWER OF ATTORNEY

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Attorney-In Fact No. 228128

Certificate No. 005958890

KNOW ALL MEN BY THESE PRESENTS: That Farmington Casualty Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company are corporations duly organized under the laws of the State of Connecticut, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

David K. Johnson, Monica A. Hutchison, Stephen D. Bender, Edward D. Johnson, Todd J. Sorensen, and Julie A. Shiroma

of the City of Roseville, State of California, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 23rd day of June, 2014.

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company



State of Connecticut
City of Hartford ss.

By: [Signature]
Robert L. Raney, Senior Vice President

On this the 23rd day of June, 2014, before me personally appeared Robert L. Raney, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.
My Commission expires the 30th day of June, 2016.



[Signature]
Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, Kevin E. Hughes, the undersigned, Assistant Secretary, of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 13th day of May, 2015.

WARNING: THIS POWER OF ATTORNEY IS INVALID WITHOUT THE RED BORDER

Kevin E. Hughes
Kevin E. Hughes, Assistant Secretary



To verify the authenticity of this Power of Attorney, call 1-800-421-3880 or contact us at www.travelersbond.com. Please refer to the Attorney-In-Fact number, the above-named individuals and the details of the bond to which the power is attached.

**SPECIAL PROVISIONS
FOR
CURTIS PARK WATER MAIN REPLACEMENT PROJECT - PHASE 2
PN: Z14010062**

Table of Contents

SECTION 1 - GENERAL CONSTRUCTION REQUIREMENTS.....	5
1.01 Scope of Work	5
1.02 Specifications.....	5
1.03 Interpretation of Contract Documents.....	5
1.04 Governing Documents	6
1.05 Definitions	6
1.06 Shop Drawings and Submittals.....	7
1.07 Manufacturer's Instructions.....	7
1.08 Equipment to be Supplied.....	7
1.09 Proof of Compliance with Contract	8
1.10 Construction Activity Time Schedule	8
1.11 Water Quality Control	8
1.12 Project Closeout	9
1.13 City Ordinance Related to Construction Work	9
1.14 Project Signs.....	9
1.15 Weekly Update and Weekly Meeting.....	10
1.16 Same Superintendent and Work Crew Required.....	10
1.17 Order of Work	10
1.18 Lead Free Water Works Pipe and Fittings.....	12
1.19 Water Meter Submittals & No Time Extensions.....	12
1.20 Contractor Identification.....	12
1.21 Unbalanced Bid Items.....	12
1.22 Record Drawings	13
1.23 Payment.....	13
1.24 Time of Award.....	13
SECTION 2 - PUBLIC CONVENIENCE & PROTECTION OF EXISTING IMPROVEMENTS ...	14
2.01 Public Right-of Way and Easements	14
2.02 Existing Utilities.....	14
2.03 Maintaining Water, Sewer, and Drainage Flows.....	14
2.04 Work Performed by City Crews.....	15
2.05 Maintenance of Traffic and Public Safety	15

2.06	Protection of Existing Improvements	17
2.07	Storage of Equipment or Materials	18
2.08	Maintaining Existing Electrical Facilities	18
2.09	Notification to Property Owners	18
2.10	Removal of On-Street Parking	19
2.11	Dust Control	19
2.12	Material Stockpiling Limits	19
2.13	Potholes and Excavations on Private Property	19
2.14	Payment	20
SECTION 3 - WATER CONSTRUCTION REQUIREMENTS		21
3.01	AWWA Standards - Water Mains	21
3.02	Opening Direction of Valves and Fire Hydrants	21
3.03	Trench Excavation and Backfill	21
3.04	Surface Cutting and Restoration	21
3.05	Disinfection and Pressure Testing of Water Mains and Services	22
3.06	Distribution System Shutdowns for Water Main Installation & Connections	22
3.07	Water System Shutdowns for Residential Water System Tie-Ins	23
3.08	Plugged Fixtures	23
3.09	Construction of Residential Water Services	24
3.10	Water Meters	25
3.11	Endpoints	30
3.12	Contractor Receipt of City Supplied Material	30
3.13	Meter Boxes and Lids	31
3.14	Contractor Source Document for Monthly Billing	32
3.15	Placement of Meter Boxes	33
3.16	Phasing of Construction	34
3.17	De-watering	35
3.18	Tree Preservation Requirements	35
3.19	Cultural Resources	36
3.20	State Water Resources Control Board Requirements	36
3.21	Payment	37
SECTION 4 - ITEMS OF THE PROPOSAL		37
Item No. 1	Construction Photographs or Video	37
Item No. 2	Mobilization	38
Item No. 3	Meter Retrofit of 1-inch Water Service	38
Item No. 4	Meter Retrofit of 1½-inch Water Service	38
Item No. 5	Meter Retrofit of 2-inch Water Service	38
Item No. 6	2-inch and Smaller Substandard Water Service	40

Item No. 7	Hybrid Water Service w/ Meter Box, to Furnish and Install (main to front/side hose bib),	42
Item No. 8	Hybrid Water Service w/ Meter Box, to Furnish and Install (main to rear of property),	42
Item No. 9	1½-Inch Water Service w/ Meter Box, to Furnish and Install (main to front/side hose bib)	42
Item No. 10	1½-Inch Water Service w/ Meter Box, to Furnish and Install (main to rear of property).....	42
Item No. 11	2-Inch Water Service w/Meter Box, to Furnish and Install (main to front/side of property).....	42
Item No. 12	2-Inch Water Service w/Meter Box, to Furnish and Install (main to rear of property).....	42
Item No. 13	1-inch Water Service w/ Meter (main to existing service)	43
Item No. 14	1½-Inch Water Service w/ Meter (main to existing service)	43
Item No. 15	2-inch Water Service w/ Meter (main to existing service)	43
Item No. 16	Install and Reconnect Existing Metered Service (2-inch and smaller).....	44
Item No. 17	4-inch Water Service to Transfer	45
Item No. 18	Relocate Existing Meters	46
Item No. 19	Street or Alley Water Service, to Abandon.....	46
Item No. 20	Easement Water Service, to Abandon	47
Item No. 21	4-Inch Diameter Water Main, to Furnish and Install.....	49
Item No. 22	6-Inch Diameter Water Main, to Furnish and Install.....	49
Item No. 23	8-Inch Diameter Water Main, to Furnish and Install.....	49
Item No. 24	12-Inch Diameter Water Main, to Furnish and Install.....	49
Item No. 25	Ductile Iron Pipe Only, 8-inch Diameter Water Main, to Furnish and Install ...	49
Item No. 26	Additional 2-Inch and Smaller Water Pipe, to Furnish and Install	50
Item No. 27	1½-Inch Schedule 40 PVC Pipe, to Furnish and Install	51
Item No. 28	4-Inch Diameter Gate Valve, to Furnish and Install	51
Item No. 29	6-Inch Diameter Gate Valve, to Furnish and Install	51
Item No. 30	8-Inch Diameter Gate Valve, to Furnish and Install	51
Item No. 31	12-Inch Diameter Gate Valve, to Furnish and Install	51
Item No. 32	2-Inch Diameter Blow-off, to Furnish and Install	52
Item No. 33	Standard Fire Hydrant, to Furnish and Install	52
Item No. 34	Existing Fire Hydrant, to Remove	52
Item No. 35	Mains to Cap	53
Item No. 36	Connection to Existing Water System.....	53
Item No. 37	Existing Valves, Tees, Saddles, and Water Mains, to Remove or Abandon...	54
Item No. 38	Concrete, to Remove and Replace	55
Item No. 39	Asphaltic Concrete Pavement, to Remove and Replace	55
Item No. 40	Water Quality, to Provide	56
Item No. 41	Unsuitable Material, to Remove and Replace.....	56
Item No. 42	Potholes	57

Item No. 43	Trench Sheetting, Shoring, and Bracing, to Furnish and Install.....	57
Item No. 44	Replace Traffic Signal Detector Loops	57
Item No. 45	Union Pacific Railroad Area Work.....	57
APPENDIX.....		59
Appendix A:	Project Boundary Map	60
Appendix B:	Schedule of Services.....	62
Appendix C:	Drawing Index	109
Appendix D:	Notification Letters.....	111
	• <i>Installing New Water Meter (Retrofit) - 7 Days Prior</i>	112
	• <i>Installing New Water Meter (Retrofit) - 24 Hours Prior</i>	113
	• <i>Constructing Water Main (Work in Public Right-of-Way) - 7 Days Prior</i>	114
	• <i>Constructing Water Main (Work in Public Right-of-Way) - 24 Hours Prior</i>	115
	• <i>Installation of New Water Service and Meter - 7 Days Prior</i>	116
	• <i>Installation of New Water Service and Meter - 24 Hours Prior</i>	117
	• <i>Access to Property - 7 Days & 24 Hours Prior</i>	118
	• <i>Transferring Water Services - 7 Days Prior</i>	119
	• <i>Transferring Water Services - 24 Hours Prior</i>	120
	• <i>Water Main Surface Restoration - 7 Days & 24 Hours Prior</i>	121
	• <i>Fire Hydrant Installation - 7 Days Prior</i>	122
Appendix E:	Contractor Source Documents for Monthly Billing (Example).....	123
Appendix F:	Sidewalk Closure Policy	125
Appendix G:	Legend for Curb Stop Abbreviations in Schedule of Services	141
Appendix H:	Location Description Examples	143
Appendix I:	Traffic Alert Form	145
Appendix J:	Contractor Photo Identification Badge	147
Appendix K:	Union Pacific Railroad Minimum Safety Requirements for Contractors	149

SECTION 1 - GENERAL CONSTRUCTION REQUIREMENTS

1.01 Scope of Work

The work to be performed under these Special Provisions generally consists of furnishing and installing 4-inch, 6-inch, 8-inch, and 12-inch diameter water mains. Also included is furnishing and installing fittings, valves, fire hydrants and other appurtenances, water services, meter setters, meter boxes, meter lids, and meters at various commercial and residential properties within designated areas of the City of Sacramento as indicated on the plans, and connecting to the existing distribution system as indicated on the Plans. This contract also covers connecting city water services to existing residential water services, removing existing fire hydrants, and abandoning existing mains as shown on the Plans and in these Special Provisions.

The Contractor shall provide all labor, materials, tools, and equipment to complete meter retrofits in place and all work necessary to furnish, install, remove, abandon, pressure test, disinfect, and connect the water pipe and appurtenances as shown in the Plans and as specified in these Special Provisions. The work shall be so performed that upon contract completion the project shall be ready for use as described in these Special Provisions.

1.02 Specifications

The work to be performed under this contract shall be done in accordance with the Special Provisions contained herein. In these Special Provisions, reference is made to the Standard Specifications of the City of Sacramento, adopted June 2007, including Addendums 1 and 2, referred to herein as "City Standard Specifications". Reference may also be made to the State of California, Department of Transportation, Standard Specifications referred herein as "State Standard Specifications".

The general requirements of this contract shall be governed by these Special Provisions first, followed by Sections 1 through 8 of the City Standard Specifications. Other Standards or Specifications specified in these Special Provisions govern only the applicable technical specifications.

1.03 Interpretation of Contract Documents

Questions from bidder's concerning the interpretation of any portion of the contract documents may be directed to Megan Thomas of the City of Sacramento, Department of Utilities, 1395 35th Avenue, Sacramento, California, 95822, phone (916) 808-1729.

Interpretation, where necessary, will be made by the City in the form of an addendum to the contract documents and, when issued, will be sent as promptly as is practicable to all parties to whom the bid documents have been issued. All such addenda shall become part of the contract.

It shall also be the bidder's responsibility to call to the attention of the Engineer any missing pages or drawings in the contract documents, including the addenda. These items shall be brought to the attention of the Engineer at least one (1) week prior to the bid opening date.

1.04 Governing Documents

1. All work performed under this contract shall be in accordance with the following general requirements:
 - a. Sealed Proposal
 - b. Agreement
 - c. City Standard Specifications - Sections 1 through 8

2. All work performed under this contract shall be in accordance with the following provisions:
 - a. Special Provisions
 - b. Contract Plans
 - c. City Standard Specifications - Sections 10 through 38
 - d. California Labor Code - Chapter 4 of Division 3

3. In the event of a conflict in the Contract Documents, the governing priorities, when appropriate, shall be in accordance with Section 5-3 of the City Standard Specifications.

1.05 Definitions

For definitions not found herein refer to Section 1 of the City Standard Specifications.

"Provide" shall mean furnish and install in accordance with the Plans and Specifications.

"Residential Water System" or "Residential Water Service" shall mean the water service pipe and appurtenances from the property owner's side of the curb stop (or meter setter) to and including all points of connection at the house.

"Water Distribution Personnel" shall mean an appointed representative from the Department of Utilities.

"Water Service Laterals" or "City Service" shall mean the water service pipe placed from the water main up to and including the curb stop (or meter setter).

"Hybrid Water Service" shall consist of a 1-inch City Service (including meter setter assembly) followed by 1 ½-inch diameter Residential Water Service materials.

"Retrofit" shall mean intercepting existing Water Service Laterals, and placing metering appurtenances and a water meter box in accordance with the Plans and Specifications.

"Landscape" shall mean lawn, fences, shrubbery, planters, other existing improvements and areas that do not require the cutting and removal of a hard surface.

"Hardscape" shall mean any surface that must be cut or removed prior to exposing the area to be excavated. This includes on-site concrete, asphalt, decks, alleys, patios, walkways, driveways, and sidewalks.

"Locate" shall mean identifying the exact location of the subsurface installation using a minimum of a single frequency utility locating device or better, and field marking the installation location.

"Verify" shall mean excavate and expose in accordance with the Underground Service Alert law (Calif. Government Code § 4216 and following).

1.06 Shop Drawings and Submittals

The Contractor's shop drawings and submittals shall include, but not be limited to, the following:

1. Construction Activity Time Schedule
2. Traffic Control Plan
3. Water Distribution Pipe
4. Gate Valves and Fittings
5. Fire Hydrant Assemblies
6. Meters (including registers)
7. Meter boxes and lids
8. Erosion, Sediment, and Pollution Control Plan
9. Residential and Commercial Water Service Lateral Materials
10. Public Notification Information and Identification Badge
11. Phasing Plan
12. Trench Sheet piling, Shoring, and Bracing Plan

The Contractor shall comply with the shop drawings and submittal procedures in accordance with Section 5 of the City Standard Specifications.

The Contractor shall keep one copy of the approved Traffic Control Plan and the Water Quality Control Plan at the construction site at all times.

To achieve standardization of appearance, maintenance, and replacement, like items of materials provided under these Special Provisions shall be the end product of one manufacturer.

ANSI/NSF 61 compliance is required for all materials used on the project and compliance shall be stated on submittals.

1.07 Manufacturer's Instructions

Contractor shall comply with manufacturer's installation instructions and procedures in accordance with Section 5-16 of the City Standard Specifications.

1.08 Equipment to be Supplied

All equipment, material and supplies called for on the Plans and Specifications shall be new and currently manufactured items, unless otherwise specified.

All equipment shall be complete and in operation to the satisfaction of the Engineer at the time of acceptance of the work.

1.09 Proof of Compliance with Contract

In order that the Engineer may determine whether the Contractor has complied with the requirements of the contract documents not readily determinable through inspection and tests of plant, equipment, work, or materials, the Contractor shall at any time when requested, at the Contractor's expense, submit to the Engineer properly authenticated documents or other satisfactory proofs as to his compliance with such requirements.

1.10 Construction Activity Time Schedule

The Contractor shall submit a detailed schedule in accordance with Section 7-2 of the Standard Specifications. No progress payments will be made for work completed prior to acceptance of the schedule.

The activity time schedule shall indicate the chronological sequence in which the Contractor proposes to carry out each aspect of the work, the calendar dates on which the Contractor will begin the several salient elements of the work (procurement and delivery of materials, posting of "No Parking" signs, notification of property owners, scheduling of equipment, excavation of trenches, placement of pipe, etc.), and the contemplated dates for completing said salient elements.

The Contractor shall contact the Engineer at least forty-eight (48) hours in advance of any change in the work schedule. If the Contractor desires to make a major change in his method or operations after commencing construction, or if the activity time schedule fails to reflect the actual progress of the work, the Contractor shall submit a revised schedule to the Engineer in advance of beginning revised operations. If the contractor's schedule is rejected by the Engineer, the Contractor will have three (3) working days to make revisions and resubmit a revised schedule. Failure to comply may result in the suspension of all work.

At the very minimum, the Contractor shall update the construction activity time schedule every thirty (30) calendar days throughout the duration of the project.

1.11 Water Quality Control

Water Quality Control shall be in accordance with Section 16 of the City Standard Specifications. The Contractor shall prepare and submit an erosion, sediment and pollution control plan (ESC Plan) to the Engineer for review. The ESC Plan shall identify all construction activities that could impact water quality and provide all the necessary mitigation BMP measures that will eliminate the discharge of any pollutants to the City's drainage system or waterways. The Contractor shall not begin work until an accepted ESC Plan is on file with the Engineer.

1.12 Project Closeout

The issuance of a punch list, final acceptance of the work, and the final payment shall be in accordance with Section 8-4 of the City Standard Specifications.

1.13 City Ordinance Related to Construction Work

The City has adopted an ordinance amending Chapter 12.20 that establishes additional minimum requirements and restrictions relating to construction activities within the City limits and establishes administrative penalties associated with non-compliance of these requirements. The ordinance includes the following general categories:

- A. Working hours for the City's "Primary Streets"
- B. Traffic control plan requirements
- C. Access to private property
- D. Maintenance of construction areas
- E. Repair of traffic control systems
- F. Care of existing known facilities
- G. Public notification
- H. Noise levels

Copies of the ordinance are available from the City Clerk's Office, 915 I Street, Sacramento, CA. 95814.

1.14 Project Signs

Prior to beginning any onsite work the contractor shall install a total of four (4) project signs. The signs shall be supplied by the City and are approximately 30-inches by 54-inches.

Suggested locations of signs:

- Broadway and 21st Street
- 4th Avenue and 21st Street
- 2nd Avenue and Franklin Blvd.
- Donner Way and Franklin Blvd.

Height of sign installation shall be as directed by the Engineer. In general, the signs shall be affixed to a 4"x4" post and installed a minimum of 7-feet and maximum of 10-feet above surrounding grade.

If acceptable to the Engineer an existing sign post may be used, otherwise, the Contractor shall be required to install a new post. The sign and post installed by the Contractor shall be removed at the end of the project and the sign returned to the City.

In addition, the Contractor will be provided two (2) small signs, approximately two (2) by three (3) feet. Placement shall be on barricades and located at each end of the work area where only retrofits are being performed. Signs shall be removed at the end of each work day and placed accordingly on the next construction day.

Replacement of lost or damaged material shall be at the Contractor's expense.

Upon completion of the project, signs provided to the contractor shall be returned to the City's Department of Utilities office located at 1395 35th Avenue. The cost of damaged or unreturned material will be charged against the Contractor's retention at closeout. The Contractor shall coordinate with the Engineer on an appropriate time schedule for returning the signs.

1.15 Weekly Update and Weekly Meeting

Every Monday the Contractor shall submit an address list of all residential water service connections installed and/or connected the prior week and a list of addresses scheduled for installation in the upcoming week.

To allow the Engineer the opportunity to determine or adjust the new service diameter and location, the Contractor shall include potholing information in the weekly update. This shall include the address, existing service location and the existing diameter of both City and Residential Service lines. This potholing information shall be on file with the engineer ten (10) working days prior to scheduling and/or installing the new service.

Each week there shall be a meeting held at the Department of Utilities offices at 1395 35th Avenue to discuss project issues.

1.16 Same Superintendent and Work Crew Required

In addition to Contractor's obligations to utilize competent and skilled workers and to remove unsatisfactory workers as specified in Section 7-6 of the Standard Specifications, Contractor shall maintain the same Superintendent and work crew on the job site throughout performance of the Contract, and Contractor shall not change Contractor's Superintendent and/or work crew prior to completion of the Work unless approved in writing by the Engineer prior to such change; provided that the Engineer's approval shall not be required for Contractor to replace employees terminated by Contractor.

1.17 Order of Work

Commercial Properties: The contractor shall contact the commercial property owners and discuss the proposed project and anticipated impacts on the commercial property owner's operation. Work on commercial properties shall be completed in a manner that does not adversely impact the ability of the commercial property owner to conduct their normal business operation. Work on commercial properties may require work on weekends or night work or in accordance with a specific schedule identified by the commercial property owner. The contractor shall include such work restrictions in the Contractor's schedule.

Special attention shall be paid to Sierra 2 Center (2791 24th Street), which has active daycare services Monday through Friday, between the hours of 7am and 6pm, during which there shall be no water shutdowns. Contractor shall coordinate work on 24th Street and 3rd Avenue fronting Sierra 2 Center to occur during their slower event months of **August, November, and December**. Prior to commencing construction within 500-feet of the property and prior to work that

impacts the water services to the property, Contractor shall schedule and coordinate work with the Sierra 2 Center director Terri Shettle at (916) 452-3005 (Terri@seirra2.org).

The Contractor shall cooperate with the Union Pacific Railroad in all instances where work is within the limits of UPRR property or within 25-feet of the railroad tracks, in order to avoid any interference with the operations of railroad. The Contractor shall perform its work in such manner and at such times as shall not endanger or interfere with the safe operations of the tracks and property of UPRR and the traffic moving on such tracks, as well as the wires, signals and other property of UPRR, its tenants or licensees, at and in the vicinity of the work (see Appendix for minimum safety requirements). Contractor shall include within schedule a minimum of three (3) weeks for obtaining flagmen from Union Pacific Railroad. No work can be conducted within Union Pacific Railroad property, or within 25-ft of existing railroad, until City has secured the permits and work warrants with the Union Pacific Railroad authorizing the work. Contractor shall assume construction that requires the Union Pacific Railroad permits and work warrants will be occurring during Phase 4 of the project schedule.

At locations shown on plans, select fire hydrants shall be located in the same location as the existing hydrant. Contractor shall remove existing fire hydrant and lateral pipe as necessary to install the new standard fire hydrant and connect to the new water main. Contractor shall swab the lateral pipe and fire hydrant for disinfection per AWWA C651-05. Pressure test after concrete thrust block has set for a minimum of 4-hours. Begin fire hydrant placement only after the new water main is pressure tested, disinfected, and approved for use by the City.

Contractor shall coordinate with Teichert Construction, the Contractor for the Land Park Water Main Replacement Project Phase 1 located west of this project area. The Land Park Phase 1 project will be active at the start of construction for this project. The Contractor shall coordinate with the project contractor to avoid delays, work out access needs, and assure that the operations minimize impact on traffic and the general public. Contractor shall contact the contractor responsible for the project 48-hours prior to the start of construction: Dan Stoloski, (916) 532-8097.

Work shall be phased and coordinated such that the following apply:

1. Work within 21st Street shall be completed prior to the start of work in 24th Street.
2. Work within 24th Street shall be completed prior to the start of work in Franklin Boulevard.
3. Meter retrofits on Portola Way, 5th Avenue, Portola Way/5th Avenue alley, and Donner Way/5th Avenue shall be completed as part of Phase 1 of the work.
4. Backyard retrofits for properties fronting Donner Way shall be the first services completed within Phase 1 of the work.
5. Phase 2 of construction shall only include services and water mains west of 24th Street, and shall include all work within 21st Street. Work for Phase 2 shall not extend into 24th Street right-of-way, including any services (new or existing) that come off of 24th Street or water mains that connect into 24th Street.
6. Phase 3 of construction shall only include services and water mains east of 21st Street, shall only include services and water mains within and west of 27th Street, and shall include all work within 24th Street. Work for Phase 3 shall not extend further east than 27th Street, with the exception of the water main connection and fire hydrant on Marshall Way fronting 2721 Marshall Way.
7. Phase 4 of construction shall include all remaining services and water mains not completed within the other phases, including all work within Franklin Boulevard.

8. Phase 1 and Phase 2 may be under construction at the same time. Phase 3 may not commence until Phase 1 and Phase 2 have been completed.
9. Work within 25-feet of the railroad tracks (including potholing, connecting to existing mains, and water main abandonments) shall meet the requirements identified within the Maintenance Consent and Track Warrant given to the City by Union Pacific Railroad. If difficulties arise with the Union Pacific Railroad that delay the completion of the work within 25-feet of the railroad tracks, Engineer may authorize the Contractor to proceed to the next phase if all other work associated with the phase has been completed.

The cost of coordination shall be included in those bid items the Contractor deems appropriate.

1.18 Lead Free Water Works Pipe and Fittings

Notwithstanding any other provision of the Contract Documents, all materials installed shall comply with the requirements of Section 116875 of the California Health & Safety Code.

1.19 Water Meter Submittals & No Time Extensions

The water meter submittals shall be submitted to the Engineer for review within five (5) working days of contract award at City Council. Time extensions will not be granted for delays in the Contractor receiving water meters.

1.20 Contractor Identification

Contractor staff entering private property for work under this contract shall be in possession of a contractor issued identification card at all times. This identification card shall be presented to the home owner/resident at time of entry onto private property.

1.21 Unbalanced Bid Items

Under Section 2 of the Standard Specifications, the City may reject a Proposal in which the bid(s) submitted for one or more items are obviously unbalanced, as reasonably determined by City. As an alternative to rejecting the Proposal, and notwithstanding any other provision of the Contract Documents, if the City reasonably determines that the bid(s) submitted for one or more items in the Proposal are obviously unbalanced, the City may accept the Proposal and award the Contract to the Bidder, subject to the City's unconditional right, after Contract award, to either: (1) disregard the bid(s) that are obviously unbalanced and require the Contractor to perform the subject item(s) of work with payment by cost and percentage, as specified in Section 8 of the Standard Specifications; or (2) delete the subject item(s) of work in their entirety, in which case the Contractor shall not receive any compensation for the deleted item(s) and the City may have the item(s) of work performed by any other means. By signing the Contract, the Bidder agrees that the City may exercise either of these options in the City's sole discretion without Bidder's consent to the option selected, and the Bidder waives any right to contest the City's action or claim additional compensation or damages therefor. The Bidder shall promptly provide any documentation or other

information requested by City to determine whether the bid(s) submitted for one or more items are obviously unbalanced.

1.22 Record Drawings

The Contractor shall maintain a neatly and accurately marked set of record drawings in accordance with Section 5 of the City Standard Specifications.

The record drawings shall include any deviations to the plans or the source documents, including but not limited to, locations for gate valves, fire hydrants, blow-offs, meter setters placed, service material type, etc. Location description examples of the information the Contractor shall compile can be found in the Appendix.

1.23 Payment

No separate payment will be made to the Contractor for complying with the requirements of this Section. The cost of such work shall be included in whatever bid item the Contractor deems appropriate.

1.24 Time of Award

The Contractor shall furnish City the signed agreement, the required insurance certificates, endorsements, and waivers of subrogation, and the required surety bonds within ten (10) calendar days after receipt of the City's notice of the recommended Contract award and prior to award of the Contract by the City Council. If the Contract is not awarded and the Contractor incurs a cost to terminate the surety bonds, the Contractor shall be reimbursed for such termination cost if the City determines that such termination cost is reasonable.

* END OF SECTION *

SECTION 2 - PUBLIC CONVENIENCE & PROTECTION OF EXISTING IMPROVEMENTS

2.01 Public Right-of Way and Easements

All water mains and services constructed as part of this project are to be placed within public street and alley rights-of-ways. The Contractor shall confine his or her operations within the limits of existing street right-of-way or easements as much as practicable.

This project will encroach onto private property. The Contractor shall make all necessary arrangements with the owner of the property for such encroachments. As a condition of receiving or continuing to receive city water service, private property owners are required, per City Code 13.04.065, to provide access to the premises for the purpose of this project. Should the owner of a property within the project limits refuse to allow such access, the Contractor shall notify the City, who shall attempt to gain proper authorization for access.

2.02 Existing Utilities

The location, alignment, and depth of existing underground utilities as shown on the Plans are taken from public records and no responsibility is assumed for the accuracy thereof. For the most part, underground utility services are not shown on the Plans. Contractor shall assume all properties have gas, electric, cable, phone, water, and sewer services.

Attention is directed to the provisions in Section 6-19 of the Standard Specifications.

The Contractor will ensure that utility services to customers in the project are maintained.

The Contractor is responsible for the protection of and for damage to existing overhead and underground utility lines and services encountered during the course of construction. The Contractor shall notify the respective utility owner prior to any interruption of service. The Contractor shall notify the Engineer and Inspector immediately, should any existing utilities be damaged, including breaks, leaks, nicks, dents, gouges, grooves, or other damage to subsurface installation lines, conduits, coatings, or cathodic protection during construction. The Contractor shall also include this information in the Comments column in the monthly Source Document supplied to the City.

The Contractor is expected to "pothole" existing underground utilities a minimum of ten (10) working days in advance at any location where an existing utility may be in conflict with the proposed work.

The cost of relocating existing overhead or underground utilities not specified on plans to be relocated, but which the Contractor elects to relocate or cut and reconnect for his/her own convenience, shall be borne by the Contractor. This work shall be coordinated with the respective agency.

2.03 Maintaining Water, Sewer, and Drainage Flows

The Contractor shall be responsible maintaining water, sewer, and drainage flows including emergency repairs and temporary bypasses in accordance with Section 13 of the City Standard Specifications.

In addition to Section 13 provisions, any landscaping irrigation water lines cut or broken by the Contractor, but not immediately repaired, shall be capped until repairs can be made. The Contractor shall make repairs within two (2) working days of having cut or broken such irrigation lines unless otherwise approved by the Engineer. In the interim, the Contractor shall be responsible for ensuring all locations served by the irrigation lines continue to be provided adequate water. Any landscaping that dies, or fails to recover as a result of the Contractors actions shall be replaced in kind and costs shall be borne by the Contractor.

2.04 Work Performed by City Crews

The Contractor is advised that the City retains the option of performing with City crews, all or a portion of any work involved in relocation, repairing, or otherwise restoring existing sewer, water, and drainage systems and services to developed properties within the limits of the project that may be in conflict with the proposed project improvements. Any such work performed by City forces will be at the discretion and convenience of the City.

Should the Contractor desire City forces to cut and repair existing water, sewer, or drain services, the Contractor shall contact the Engineer at least three (3) working days in advance to schedule and coordinate the work.

All work performed and materials provided by the City will be paid for by the Contractor or removed from this contract at no additional cost to the City in accordance with Section 4-5 of the City Standard Specifications.

2.05 Maintenance of Traffic and Public Safety

The Contractor's attention is directed to Sections 6-6, 6-7, 6-8, 6-9, 6-10, 6-11, 7-4, and 16-3 of the City Standard Specifications.

Spillage shall be removed immediately in accordance with Section 6-6 of the City Standard Specifications.

Water or dust palliative shall be applied in accordance with Section 6-6 of the City Standard Specifications.

Contractor shall not interfere with or impair any railroad operations in accordance with Section 6-6 of the City Standard Specifications.

The Contractor shall be required to establish traffic scheduling and control measures acceptable to the Engineer prior to starting any work. The Contractor shall submit to the Engineer for review and approval a plan in accordance with Section 6-10 of the Standard Specifications. This plan shall be submitted a minimum of ten working days prior to the scheduled commencement of any work by the Contractor. **The Contractor will not be allowed to begin work until an approved plan is on file with the Engineer.**

The Contractor shall notify the Traffic Signal Maintenance Shop at (916) 808-6633, in addition to the Engineer, ten working days before any traffic loop or street lighting work begins.

The Contractor's traffic control plan shall provide for the following:

1. The Contractor shall provide access to all driveways or alleys at all times except when excavation is in progress, when forms are in place, or when concrete or asphalt is being placed. The Contractor shall take precautions so as not to entrap vehicles on private property during the progress of the work.
2. Driveways may be closed only during normal working hours and only after giving property owners a minimum of twenty-four (24) hours notice in advance of the closure.
3. Rear access to building and existing parking areas behind buildings shall be maintained. Contractor may close such access for a limited time only if arrangements have been made with property owners. Contractor shall give property owners 48 hour notice in advance of the closure.
4. Vehicle and pedestrian access to driveways, houses, and commercial businesses along the streets, alleys, and easements within the limits of the project shall be maintained. Access for emergency vehicles shall be available along all streets within the construction area at all times.
5. The entire roadway width of all streets within the limits of the project shall be kept open for traffic at night, during weekends, on holidays, and during other time periods when work is not in progress. Steel plates or other approved methods shall be used to cover all open excavations in roadways during non-working hours.
6. For work done before 7:00 A.M. or after 6:00 P.M., or during all daylight hours between 6:00 P.M. Friday to 7:00 A.M. Monday, arrangements shall be made with the property owners in advance and approved by the Engineer.

The Contractor is hereby alerted that several streets within the project are designated "primary streets" and it is the Contractor's responsibility to identify the streets and to adhere to the requirements per Section 6-10 of the City Standard Specifications.

The Contractor is hereby alerted that several streets within the project are designated "Holiday Season Moratorium Streets" and it is the Contractor's responsibility to identify the streets and to adhere to the requirements per Section 6-11 of the City Standard Specifications.

The Contractor is required to submit a completed "Traffic Alert" form to the City, ten (10) working days prior to closure of significant streets in the project area, including Castro Way (east of 21st Street), 2nd Avenue, 4th Avenue, 21st Street, 24th Street, and Franklin Boulevard. A sample "Traffic Alert" form is included in the Appendix.

The Contractor is also alerted that 21st Street and Franklin Boulevard are active Regional Transit bus routes. The Contractor is required to coordinate with Regional Transit for all closures of 21st Street and Franklin Boulevard.

The Contractor is required to meet Union Pacific Railroad construction safety requirements (see Appendix) and construction procedures for within Union Pacific Railroad property or within 25-ft of the railroad tracks (information is available on their website: <http://www.up.com>). The Contractor is required to coordinate with Union Pacific Railroad for all work within Union Pacific Railroad property and within 25-ft of the railroad tracks, including but not limited to scheduling flagmen and safety training. **All Contractor personnel that are working within Union Pacific Railroad property or within 25-ft of the railroad tracks must have completed safety training by a Union Pacific project inspector prior to any construction within these areas.**

Contractor shall perform the following notification procedures prior to closing a street/alley to through traffic:

1. Police Department - Provide the Police Communications Center with the street/alley closure limits and estimated duration of closure, by calling 264-5025 and faxing the information to 264-7770 one (1) working day prior to the closure
2. Fire Department - Provide the Fire Communications Center with the street/alley closure limits and estimated duration of closure, by calling 228-3035 and faxing this information to 228-3075 one (1) working day prior to the closure.
3. Solid Waste Division - Provide the street/alley closure limits and estimated duration of closure, by calling 808-4952 and faxing the information to 808-1494 five (5) working days prior to the street closure.
4. On-Street Parking Division - Provide the street/alley closure limits and estimated duration of closure, by calling 808-5874 and faxing the information to 808-7501 five (5) working days prior to the street closure.
5. Regional Transit – If the street/alley is within an RT route, the Contractor shall provide the closure limits and estimated duration of closure, by calling Lynn Cain at 321-5375 and faxing the information to 557-4541 five (5) working days prior to the street closure.
6. Department of Transportation - Provide the street/alley closure limits and estimated duration of closure, by calling Erick Talavera at 804-4790 two (2) working days prior to the street closure and the day of reopening.

The information faxed to the above shall include:

- Name of Project
- Project Number
- Contractor Name and phone number
- City Inspector Name and phone number
- "Department of Utilities Project"
- Name and Limits of Street(s) being closed
- Duration of closure

A copy of the fax receipt shall be given to the City Inspector.

2.06 Protection of Existing Improvements

The Contractor shall be responsible for repairing damage to existing improvements, utilities, and adjacent property in accordance with Section 13-1 of the Standard Specifications.

The Contractor shall operate irrigation systems, identify existing damage, and report findings to the Engineer prior to beginning construction at each residence. The Contractor shall replace irrigation features to match pre-construction conditions. Any removed or damaged landscaping features shall be relocated or replaced to match pre-construction conditions at no additional cost to the City.

2.07 Storage of Equipment or Materials

Materials and equipment shall be stored in accordance with Section 5-15 of the City Standard Specifications.

2.08 Maintaining Existing Electrical Facilities

Maintaining existing electrical facilities shall be in accordance with Section 34-7 of the City Standard Specifications and these Special Provisions.

The Contractor shall ascertain the exact location and depth of existing electrical facilities before any electrical work begins. Any damage done to existing electrical facilities that is caused by the Contractor shall be repaired immediately and at the Contractor's expense. The Contractor shall trench under all existing traffic signal and street lighting conduits.

Temporary shutdowns of traffic signals shall be in accordance with Section 34-7 of the City Standard Specifications.

2.09 Notification to Property Owners

The Contractor shall be responsible for notifying all property owners, residents and property management companies for the following situations:

- Property owners and residents affected by work on public streets: Notify seven (7) working days prior to commencing any work
- Seven (7) working days prior to commencing any work on or obtaining access to private property
- Twenty-four (24) hours prior to commencing work on or obtaining access to private property
- Twenty-four (24) hours prior to a water service shutdown on private property, and an additional notification to Sierra 2 Center which shall be coordinated with the site director a minimum of seven (7) working days prior to a water service shutdown
- In the event the Contractor returns to private property for additional work, the twenty-four (24) hour notification process shall be repeated
- In the event the Contractor returns to a public right of way for additional work after initial work has begun, and contractor returns after more than fourteen (14) calendar days, the property owners and residents affected by work shall be re-notified seven (7) working days and twenty-four (24) hours prior to commencing any work
- Seven (7) working days prior to construction for the fire hydrant tee and lateral

- Union Pacific Railroad: Notify three (3) working days prior to work within Union Pacific Railroad property or within 25-ft of Union Pacific Railroad tracks, and as required by the Union Pacific Railroad

Notifications shall include the Contractors name, a contact person and phone number, a brief summary of the work, and the estimated duration of the work. Examples of notifications are located in the Appendix. The example notification is for guidance only.

2.10 Removal of On-Street Parking

The Contractor's operations may require the prohibition of on-street parking of vehicles along all or a portion of the length of the project for a limited period of time. In such instances, the removal of on-street vehicle parking shall be in accordance with Section 6-18 of the City Standard Specifications. A "No Parking" notice shall be posted **seventy-two (72) hours** in advance. The notice shall include the dates and times when parking will not be allowed.

2.11 Dust Control

The Contractor shall be responsible for the control of dust within the limits of the project at all times in accordance with Section 16-2 of the City Standard Specifications.

The Contractor shall keep all streets and alleys as well as all grounds adjacent to the project site clean and free of dust, mud, and debris resulting from the Contractor's operations in accordance with Section 16-3 of the City Standard Specifications.

Spillage of earth, gravel, concrete, asphalt, or other materials resulting from hauling operations along or across any public traveled way shall be removed immediately by the Contractor in accordance with Section 16-3 and 6-2 of the City Standard Specifications.

2.12 Material Stockpiling Limits

Materials and equipment for the project shall be stockpiled within the current construction phase only, and shall not be stockpiled within the public street right-of-way in excess of an amount representing a ten (10) day supply at current rates of pipe laying or water service construction. Equipment and materials shall not front any single address in excess of ten (10) days unless otherwise accepted by the Engineer.

Stockpiles within the public right-of-way shall be no higher than 6 ft in height, and shall not impede vehicular traffic, pedestrian traffic, access to residences, or drainage along the curbline.

Should stockpiling of materials within the public right-of-way prove to be a nuisance to the adjacent residents, the materials and/or equipment shall be moved within two (2) working days following direction by the Engineer.

2.13 Potholes and Excavations on Private Property

Unless otherwise approved by the Engineer, all potholes or excavations on private property shall be backfilled with native material on a daily basis. Sand may be substituted for native material where meter box is to be located. Temporary cover shall not be allowed.

2.14 Payment

No separate payment will be made to the Contractor for complying with the requirements of this Section. The cost of such work shall be included in whatever bid item the Contractor deems appropriate.

* END OF SECTION *

SECTION 3 - WATER CONSTRUCTION REQUIREMENTS

3.01 AWWA Standards - Water Mains

These Special Provisions contain reference to certain standards of the American Water Works Association (AWWA). Copies of these standards are available for reference at the City of Sacramento, Department of Utilities, Engineering Services Division located at 1395 35th Ave in Sacramento.

IN SUBMITTING A BID, THE CONTRACTOR CERTIFIES THAT HE/SHE IS FAMILIAR WITH FIELD HANDLING, INSTALLATION, INSPECTION, DISINFECTION, PRESSURE TESTING, AND ALL OTHER REQUIREMENTS CONTAINED IN THE AWWA STANDARDS.

3.02 Opening Direction of Valves and Fire Hydrants

The opening direction of valves and fire hydrants shall be in accordance with Section 27-7 of the City Standard Specifications.

3.03 Trench Excavation and Backfill

Trench excavation and backfill shall conform to the provisions of Section 27-3 and 27-8 of the City Standard Specifications.

3.04 Surface Cutting and Restoration

Surface cutting and restoration shall conform to City Standard Specification Sections 19, 22, 24 and 27. All materials shall conform to Section 10 of the City Standard Specifications.

Existing pavement to be removed shall be ground or saw cut full depth to provide a neat straight pavement break along both sides of the pipe trench. A "T" trench as shown on Standard Drawing T-80 is required. The minimum pavement section within public street right-of-way shall be four inches (4") of asphalt concrete over twelve inches (12") of Class 2 aggregate base.

The Contractor, at his/her option, may perform the pavement saw cutting operation after the pipe installation operation, just prior to pavement repair. No pavement cutting shall precede trenching by more than five (5) calendar days except when saw cutting is used. Where the initial pavement cut is not performed by saw cutting and takes place more than one calendar day before trench excavation, the Contractor shall fill the pavement cuts with asphalt concrete patching mix and maintain a smooth riding surface until trenching begins.

Upon completion of trench backfill, existing pavement as well as any curbs, gutters, sidewalks, driveways, or other improvements that have been cut or damaged as a result of the construction activities shall be replaced. The replacement of pavement, curb, gutter or other improvements shall match that of the original as close as practical unless otherwise indicated on the Plans or in these

Special Provisions. Segments of saw cut pavement which were damaged during construction shall be re-saw cut to a neat straight line.

The Contractor shall repair disturbed lawn areas by carefully and evenly cutting the lawn to preserve the sod until the trench excavated for the water service lateral or residential water system is backfilled and compacted. Any existing lawn removed during excavation shall be replaced with sod to match preconstruction conditions. The removed sod may be replaced over the backfilled trench provided the sod is in an acceptable condition for re-use as determined by the Engineer. Sod unsuitable for re-use shall be replaced with new sod to match preconstruction conditions.

All fences or shrubbery in the way of construction shall be removed and replaced. The Contractor may re-use the existing fence material provided the Engineer approves the material, prior to installation. If the Engineer does not approve the re-use of the material, the Contractor shall replace with new material. Any private property or any existing improvements damaged by the construction operations shall be replaced with new materials at no additional cost.

All damaged hardscape shall be replaced by an experienced tradesman skilled in the particular craft to match existing improvements. Existing bricks, flagstone, and other salvageable items shall be kept and reused to preserve the integrity of the improvement.

3.05 Disinfection and Pressure Testing of Water Mains and Services

Disinfection and pressure testing of water mains, services, related valves and fittings, as well as flushing of the water main, shall conform to AWWA Standards and Sections 27-12 and 27-13 of the Standard Specifications. Per ANSI/AWWA C651-05, in addition to collecting samples from the beginning and end of the mains, samples shall be collected every 1,200 feet along the water main. All pressure and disinfection testing shall be made in the presence of the Engineer.

The Contractor shall coordinate with the City so that water used to test and disinfect the new mains is captured and recycled. The Contractor shall coordinate efforts with the City when the Contractor flushes the mains. The Contractor shall notify the Engineer three days prior to flushing water used in the testing and/or disinfection process. The captured water shall be dechlorinated by the Contractor prior to the City capturing and recycling the water. Contractor shall dechlorinate the water by use of an apparatus that injects or mixes EPA approved chemicals with the water to neutralize the chlorine before it is released into a water truck or storm sewer systems. If the dechlorinated water is released to a storm or sewer system, it shall be hard piped to a storm or sewer manhole rather than released to the ground. The City will have up to four water trucks onsite. At no time during the flushing process will the Contractor be delayed by the lack of available City trucks. If the City isn't able to provide adequate trucking to capture the water, the Contractor shall adhere to the flushing requirements within the City Standard Specifications and these Special Provisions to dispose of the water.

3.06 Distribution System Shutdowns for Water Main Installation & Connections

After successful completion of hydrostatic pressure testing and disinfection, the Contractor shall connect the new water mains to the existing water system at the locations indicated on the Plans.

To coordinate and schedule a water main shutdown, Contractor shall provide the Engineer with a project schedule that includes date and location for all required project shutdowns as described in "Construction Activity Time Schedule" of these Specifications. The contractor must provide the inspector updates of this schedule including the shutdown activities before 3:00 PM on the Monday a minimum of eleven (11) days before the shutdown is required. If these coordination requirements are not performed, the City cannot provide the shutdown.

The Contractor shall expose the existing water main at tie-in locations twenty-four (24) hours prior to tie-in and have all materials and equipment necessary for the connection work at the job site prior to beginning the shutdown.

The City will not conduct a shutdown until the Contractor is capable of completing the work within a 4 hour period.

Connections to existing water mains shall be made in accordance with Section 27-14 of the City Standard Specifications.

Without exception, all opening and closing of the valves on existing water mains will be performed by City crews only.

Where indicated in the Plans, the Contractor shall cut existing pipe, remove existing plugs or bulkheads, clean pipe ends, prepare connections and make the new connection to existing water mains. The Contractor shall temporarily cap existing mains as necessary and as approved by the Engineer to maintain service to City customers.

Water released from cutting or opening existing mains shall be removed and disposed of by the Contractor. The excavation shall be kept dry until all necessary work within the work area has been performed.

3.07 Water System Shutdowns for Residential Water System Tie-Ins

All residential water system shutdowns shall be approved by the Engineer. Residential water system shutdowns for water system connections will be approved once complete preparation, satisfactory to the Engineer, is made to minimize the length of time for any shutdown.

Maximum time of interruption of water service to any residence or business shall be four (4) hours.

3.08 Plugged Fixtures

The Contractor shall be responsible for removing all sediment that builds up at faucets and clogs interior house plumbing as a result of installing and connecting residential water systems.

The Contractor shall open all exterior faucets and shall attempt to have the homeowner open all interior faucets (cold water only) in order to help prevent fixtures from plugging.

When a customer contacts the City or Contractor regarding a plugged fixture or other issue resulting from Contractor's work, the Contractor shall respond to the call within **one (1) hour** if the

Contractor is contacted during normal work hours. If the Contractor is contacted outside normal work hours, the Contractor shall respond within **two (2) hours**. Failure to meet these requirements shall result in the City hiring a plumber to respond to the plugged fixture or other issue, and all costs incurred by the City shall be back charged to the Contractor and deducted from the subsequent progress payment.

3.09 Construction of Residential Water Services

For hybrid services, all residential water services shall be, at a minimum, one and a half (1-1/2") inch diameter copper or HDPE tubing from the new 1-inch meter setter to the above ground tee at the hose bib connection, or to the point of connection on the existing service. For all other residential services, the meter and the residential service shall be the same size.

When adequate volume is not provided to all points on the property by a hose bib connection at the front or side of the house, 1-1/2 inch Schedule 40 PVC pipe shall be installed and connected to the back half of the property. Alignment and connection point shall be at the approval of the Engineer. Materials and placement shall meet the applicable requirements of the City Standard Specifications and these Special Provisions.

Installation and connection of residential water services shall be performed in accordance with the applicable sections of the latest revised Uniform Plumbing Code (hereinafter called UPC). No connections shall be made until installation and testing of the distribution system and water service laterals are complete. All underground work shall be inspected prior to backfilling.

An address list of residential water services covered under this contract may be found on the plans, or in the Appendix. This list provides the Contractor with the size and location of existing residential water services covered under this contract. The information given on this list is historical information, and is partially complete. The City makes no guarantee as to the accuracy of this record. **It is the Contractor's responsibility to locate the existing water service laterals and curb or corporation stops for abandonment purposes. Information regarding existing service location shall be supplied to the City ten (10) days prior to placing the saddle and/or constructing the service.**

The Contractor shall work with the Engineer in finding a suitable hookup location.

In determining the suitable hookup location, the Contractor shall refer to details W-406A and W-406C in the Plans/Appendix. The Contractor shall use detail W-406A for all services where a rear connection is possible. If the Contractor believes detail W-406A cannot be used, Contractor shall contact Engineer for approval to use detail W-406C, and shall work with homeowner and Engineer to ensure that both are in agreement with the location of the new hose bib.

Residential water services shall be placed using directional bore. Contractor may choose to open cut trench the water service; however, Contractor shall bear the cost for all surface restoration associated with open cut trenching. Pipe alignment shall not pass under any dwelling or structure. In the event that work occurs beyond the City right-of-way, directional bore shall be utilized unless approved by the engineer.

Typical residential water service hookup details can be found on the Plans. Not all residential water service hookups will match the typical details. No separate payment will be made to the Contractor

for hookups installed that vary from the typical details. The Contractor is encouraged to visit the project site to better acquaint him/herself with each residential water service hookup.

All work relating to connecting residential water services and abandoning existing water services at each residence shall be completed within five (5) hours.

3.10 Water Meters

The definition of "meters" outside of this Section shall mean the meter, register, and all other components assembled as one unit as specified in this Section.

Meters and Registers

All meters and registers shall be compatible with ASCII communication protocol. All meters shall be guaranteed free from manufacturing defects in materials and workmanship and must be adaptable to field programmable registers without interruption of the customer's service.

Testing of meters for compatibility for ASCII communication protocol will be completed by the Engineer, and costs borne by the City. Meters that fail to meet the compatibility requirement shall be retested. Cost for all retests of meters will be borne by the Contractor and deducted from payment due Contractor for work performed under the terms of the contract. Any meter that is defective or not fully compatible with the ASCII communication protocol for any reason, shall be replaced with a compliant meter within ten (10) working days or pay \$200, per meter, in liquidated damages to compensate the City for staff time and delay.

Unless otherwise noted in these contract documents, all meters supplied for the project shall be positive displacement type meters. Two-inch and smaller positive displacement meters shall have absolute encoder type registers.

All irrigation services that are 1½" and greater shall be turbine meters and shall have an absolute encoder type register.

Absolute Encoder Type Registers for Positive Displacement, Compound and Turbine Meters

General Description

Registers furnished under these Specifications shall be the product of a manufacturer with at least ten (10) years of experience in the manufacture of absolute encoder-based registers. The registers shall have the capability of providing encoded meter information as described in the following specification. Specifications for the required cold-water meters can be found below in separate specifications. Registers provide low voltage conversions are acceptable; however, registers utilizing generator pulses are not acceptable under this standard.

Construction

Registers shall be of the absolute encoder type and permanently, hermetically sealed in a copper or stainless steel can to provide protection from moisture, high strength, and resistance to handling damage. Similar size, type and registration or registers shall be interchangeable.

All registers 1½" and above must be removable without disassembly of the water meter or the service line. Registers must be free of opening to protect the internal electronics of the register.

Registers shall be equipped with low flow indicators. Registers shall read in cubic feet. The register is independent of the meter. Therefore, register's Manufacture Date and Identification Number shall be printed on the face of the register. The manufacturer of the meter and register shall provide meter serial numbers with barcodes on the meter, register lid and shipping box. In addition, the contractor will supply for each shipment an electronic spreadsheet providing meter serial numbers for the City to expedite tracking and inventory purposes.

Register lenses constructed of minimum 1/4" tempered are preferred but not required; glass domed (non-tempered) register lenses are acceptable for durability in pit installations. All other register assembly and material requirements stated herein shall also apply. Registers shall be equipped with a hinged lid to completely protect the register lens.

The absolute Encoder Register output shall be a factory-potted NICOR Hydroconn AMR Series III in-line male connector with female metal contacts and Hydroconn AMR Series II End Cap (no substitute). The register cable shall be Nicor's three (3) conductor cable and measure 36" long from surface of the register to the end of the connector for 5/8" through 2" meters.

Operation

Upon inquiry from a remote location, the absolute encoder register shall disclose the exact position of the six most prominent number rollers. All power necessary for data transmission shall be supplied from the interrogation device. All registers shall be fully compatible with ASCII communication protocol. All registers shall employ a device to offer a reliable transfer of the roller bank assembly to ensure accuracy and to prevent ambiguous readings. For reliability and durability, the position of each roller shall NOT be determined by using any type of mechanical contacts which can wear out over time. Optical character recognition (OCR) is the preferred technology, but is not required, for determining roller position, as this method reads the actual position of the index odometer wheels when interrogated by an ASCII communication protocol.

Data transmission shall be instantaneous and supplied in an ASCII format without conversion or modification. Registers must operate reliably down to at least 4.5-volts.

Pin out connection: When meter side connector is viewed end-on with the molded arrow at the 12 o'clock position, the contacts occupy the 2, 6 and 10 o'clock positions.

O'clock Position	Function
2	Power/Clock
6	Ground/Common/Return
10	Encoder Data

Warranties

All encoded registers shall be free from defects in materials and workmanship for ten (10) years from the date of purchase.

Positive Displacement Type Meters 1" - 2"

General Description

Meters furnished under these Specifications shall be the product of a manufacturer with at least ten (10) years of experience in meter manufacturing for the American Market. Meters shall be new, first line quality, positive displacement type cold water service. Meters must be of the oscillating piston or nutating disc type. Multi-jet and Single-jet meters are not acceptable under this Specification. Meters shall comply with AWWA Standard C700 latest revision and the minimum specification herein. Any low lead bronze shall not have less than 85% copper content. In addition, meter manufactures will meet all guidelines established by California Bill AB1953 and ANSI/NFS Standard 61 Annex F and Annex G requirements. They shall be designed for use with potable water below 80 degrees F.

Type

Cold water service meter for measuring potable water in residential services, positive displacement meters only, sealed register.

Main Cases: 1"

All meters 5/8" through 1" shall have an NSF approved, low lead bronze outer main case body with a separate, removable measuring element. The low lead bronze case shall not have less than 85% copper content. The meter case casting shall have raised characters denoting the meter size and the direction of water flow. The casting shall be permanently marked with the serial number of the meter in a manner so that the number is easily read from above. All bottom plates shall be isolated from the potable water by a full rubber liner. Meters shall be provided with bronze bottom plate and held in place with stainless steel bolts with integral washer heads. Cases must be capable of withstanding working pressures of one hundred fifty (150) psi. Thread protectors shall be supplied for the connection ends.

Length

Meters must conform to AWWA C700 standard as most recently revised.

Main Cases: 1½" through 2"

All meters 1½" through 2" shall have a body main case made of high quality copper alloy, with a separate, removable measuring element. The meter casting shall have raised characters denoting the size meter and the direction of water flow. The casting shall be permanently marked with the serial number of the meter in a manner so that the number is easily read from above. Meters shall be of the split case design.

Laying Length

Meters must conform to AWWA C700 standard as most recently revised. The laying length of PD meter and/or strainer assembly shall be as follows:

Meter Size	Meter
1½"	13" (Max)
2"	17" (Max)

Register Housings

Register housing shall be constructed of an engineered polymer and provide full protection of the register assembly. Registers shall comply with AWWA C700 Section 4.1.3 performance requirements in the latest revision. Register assemblies shall be secured to the main case in a tamper resistant fashion to prohibit unauthorized removal. Seal screws, tamper-resistant plugs, tamperproof screws, or locked devices are acceptable.

Measuring Chambers

The measuring chamber shall be of the two-piece oscillating piston or nutating disc design. No inferential-type meters will be allowed. Chambers shall be manufactured from an engineered polymer. Chambers shall be separate from the outer casing and so secured in the main case that the accuracy of the meter will not be affected by any distortion of the case. All wear prone surfaces shall be reinforced with a nylon material. All measuring chamber assemblies shall operate smoothly and be capable of sustaining long-term accuracy.

All motion from the piston shall be transferred to the register via magnetic drive. Piston oscillations or disc nutations must not exceed the figure recommended in Table one (1) of AWWA Standards C-700 latest version for the size of the meter being bid.

Registration Accuracy

All meters shall meet or exceed the following flow requirements:

Size	Low Flow GMP @ 95%	Normal Flow GMP 98.5% - 101.5%	Continuous Flow GPM
1"	3/4	3-50	25
1½"	1½	5-100	50
2"	2	8-160	80

Magnetic Coupling

The piston oscillations will be transferred to the sealed register through the use of a magnetic coupling. Meters with stuffing boxes, spindles and packing glands will not be acceptable.

Headloss

Meters shall conform to AWWA C-700 Specifications as currently revised.

Pressure Capability

Meters shall operate up to a working pressure of 150-psi without damage or leakage. Accuracy shall not be affected by pressure variation up to 150-psi.

Strainers

All meters shall be provided with a strainer screen installed in the meter. Strainer screens shall be rigid, fit securely, be easy to remove and have an effective straining area at least two (2) times that of the main case inlet.

Warranties

Meters shall be warranted by the manufacturer to meet AWWA **new meter accuracy** standards according to the following time periods and registered usage amounts, whichever occurs first:

Size Meter	Years Guaranteed	Registered Usage
1" C700	5 years from date of shipment	1,100,000 US Gallons
1½" C700	5 years from date of shipment	1,600,000 US Gallons
2" C700	5 years from date of shipment	2,100,000 US Gallons

Turbine Type Meters 1 ½" through 4"

General Description

Meters furnished under these Specifications shall be the product of a manufacturer with at least ten (10) years experience in meter manufacturing for the American Market. Meters shall be new, first line quality, turbine type for cold-water service. Meter sizes shall be inclusive and shall comply with the Class II AWWA Standard C701 latest revision and the minimum specification herein. Any low lead bronze shall not have less than 85% copper content. In addition, meter manufactures will meet all guidelines established by California Bill AB1953 and ANSI/NFS Standard 61 Annex F and Annex G requirements. They shall be designed for use with potable water below 80 degrees F.

Registration Accuracy

All Turbine Type Meters shall meet or exceed the AWWA latest standard, as follows:

Size	Low Flow GMP @ 95%	Normal Flow GMP 98.5% - 101.5%	Minimum Intermittent Flow GPM
1½"	3	4-160	200
2"	3	4-200	250
3"	4	8-450	550
4"	7	15-1000	1200

Main Cases

The body main case shall be of bronze composition of a high tensile strength or epoxy coated ductile iron on 1½" through 4" sizes and be capable of resisting distortion under pressure up to one hundred fifty (150) psi. All meters shall have the size and direction of flow indicated on the case and shall be designed for easy removal of all interior parts without disturbing the connections to the pipeline.

Register Housings

The register housing shall be constructed of an engineered polymer and provide full protection of the register assembly. Register assemblies shall be secured to the main case in a tamper resistant fashion to prohibit unauthorized removal. Seal screws, tamperproof screws, or other locking devices are also acceptable.

Measuring Chambers

The measuring elements or chamber for all meters shall be of engineered polymer and shall be separate from the case and easily detached and removed there from.

Rotor spindles shall be of tungsten carbide, stainless steel or titanium alloy supported by radial bearings made of PTFE graphite compounds, synthetic sapphire, or sapphire/ceramic jewel.

Laying Length

The laying length of Turbine meters and/or strainer assembly shall be as follows:

Meter Size	Meter/Meter & Strainer	Strainer	*Test Plug
1½"	13"	7" (Max)	1" NPT
2"	17"	7" (Max)	1½" NPT
3"	12"	7" (Max)	2" NPT
4"	14"	9" (Max)	2" NPT

*Spool pieces with a test port are acceptable

Rotors

The measuring impellers, vanes or rotors for all meters shall be polypropylene, nylon, hard rubber or engineered polymers and shall be mounted on a horizontal axis in the center of the measuring element with rotations of the turbine transmitted to the register by means of magnets. Straightening vanes of corrosion resistant material as required shall precede the rotor.

Strainers

Integrally-cast stainless steel plate type strainers are required on sizes 1½" through 4" turbine meters. Strainers shall be rigid, easily removable, and have an effective straining area at least double that of the meter main case inlet. External strainer connections shall conform to the main case and shall be accompanied by gaskets, bolts and nuts.

Warranties

At a minimum, all meters shall carry the following published warranties. Meters shall be guaranteed to be free from defects in materials and workmanship for a period of twenty-four (24) months after installation and to meet AWWA C-701 Accuracy Standards for two (2) years from date of shipment.

3.11 Endpoints

The contractor shall install the Badger ORION Fixed Network (SE) endpoint with the NICOR Hydroconn Series III cable, and the Badger recessed ORION cap and/or thru-hole ORION cap and washer kit. Endpoint shall be connected to water meters by aligning arrows on NICOR Hydroconn Series III cables and pushing together. Install the ORION cap and/or thru-hole ORION cap and washer kit, through meter box lid. Endpoint and ORION cap to be supplied by City of Sacramento.

3.12 Contractor Receipt of City Supplied Material

The City will supply all Badger ORION Fixed Network (SE) endpoints to be connected on the meters and installed through the meter box lid, and all meters three inches and larger. The Contractor shall pick up all materials at the City's Corporation Yard located at 5730 24th Street. The Contractor shall be responsible for scheduling pick-up, receiving and transporting these items from the City of Sacramento Corporation Yard. All materials, once received, shall become the responsibility of the Contractor. Replacement of lost or damaged material shall be at the Contractor's expense. Contractor is responsible for any damaged or unreturned endpoints at City of Sacramento current endpoint contract price.

The Contractor shall submit a request for parts to the Engineer. The Contractor shall coordinate with the Engineer on an appropriate time schedule and quantity of materials. The parts warehouse will have the parts available for pickup within five (5) business days of receiving the request from the Engineer. The contractor shall schedule operations so that the number of occasions where these materials are picked up is kept to a maximum of six (6) for the entire project. For exceptions, contractor shall coordinate with the Engineer.

Upon completion of the project, any unused city supplied materials shall be returned to the City's Corporation Yard Located at 5730 24th Street. All equipment shall be like new condition to the satisfaction of the Engineer. The cost of damaged or unreturned material will be charged against the Contractor's retention at closeout. The Contractor shall coordinate with the Engineer on an appropriate time schedule for returning unused parts.

3.13 Meter Boxes and Lids

Meter Boxes and lids shall be constructed of materials in accordance with the appropriate sections of ANSI/SCTE and shall be tested per the appropriate ASTM sections.

The meter box lids shall provide a slip resistant surface with a coefficient of friction greater than 0.5. Materials shall be resistant to chemicals, sunlight exposure, water absorption, and flammability. Lids shall have a 1 $\frac{3}{4}$ " diameter hole with a 4" diameter, 1/8" deep recessed area centered over the 1 $\frac{3}{4}$ " diameter hole to accommodate an automated meter reading endpoint.

All meter box lids shall sit flush with the rim of the meter box body and shall be seated no more than 1/16-inch into the body of the meter box. Lids shall be compatible with the automated meter reading infrastructure specified in the Water Meter section of these specifications.

For 1-inch services the nominal meter box size shall be 13"W x 24"L x 12"D. For 1 $\frac{1}{2}$ -inch and 2-inch services the nominal size shall be 17"W x 30"L x 12"D.

For sidewalk and driveway meter boxes and lids, the lids shall have a 1 $\frac{3}{4}$ " diameter hole with a 3" diameter, 1/2" deep recessed area centered over the 1 $\frac{3}{4}$ " diameter hole to accommodate an automated meter reading endpoint. Thickness of the lid shall not exceed 1" at recessed area to accommodate an automated meter reading endpoint.

For concrete meter boxes and lids, the lids shall have a 2" diameter hole with a 3" diameter, 1/2" deep recessed area centered over the 2" diameter hole. Thickness of the lid shall not exceed 1" at recessed area to accommodate an automated meter reading endpoint.

For H2O lids, the lids shall have a 1 $\frac{3}{4}$ " diameter hole with a 3" diameter, 1/2" deep recessed area centered over the 1 $\frac{3}{4}$ " diameter hole.

Contractor shall install City supplied endpoints through the meter box lids. No lids shall have a reading lid.

The meter boxes and lids shall be fabricated by the same manufacturer. The manufacturer shall submit documentation showing compliance with material strength and proof of design testing.

Sidewalk and Driveway Meter Boxes and Lids

Meter boxes and lids shall be constructed of a polymer concrete material with fiber reinforced plastic or a bulk moulding compound. All meter box and lids shall be identical in composition and have a matching "concrete gray" appearance. Meter boxes and lids shall meet all test provisions of the latest edition of the ANSI/SCTE 77 Tier 15 application or ASTM-C857: Load Category A-16.

The lids shall be marked "WATER", with a nominal lettering height of 1-inch and shall be indented into the surface of the lid to resist wear. To facilitate removal, the lid shall include two 1/2" x 2 $\frac{5}{8}$ " - 4" (2 $\frac{5}{8}$ " minimum length, and not to exceed 4" in length) pockets with integrated lifting bar to accommodate a standard manhole hook.

Landscape Meter Boxes and Lids

Meter boxes and lids shall be constructed of a concrete or a polymer concrete material with fiber reinforced plastic material.

Meter boxes constructed of a polymer concrete material with fiber reinforced plastic material shall meet all test provisions of the latest edition of the ANSI/SCTE 77 Tier 8 application.

Concrete meter boxes and lids shall have a compressive strength at yield of 3000-psi when tested per ASTM C-39: Load Category A-0.3.

Lids shall be "concrete gray" in appearance. To facilitate removal, the lid shall include two ½" x 2⁵/₈" - 4" (2⁵/₈" minimum length, and not to exceed 4" in length) pockets with integrated lifting bar to accommodate a standard manhole hook. No lids shall have a reading lid. The lids shall be marked "WATER", with a nominal lettering height of 1-inch and shall be indented into the surface of the lid to resist wear.

Alley, Traffic or Unimproved Street Location Meter Boxes and Lids

Meter boxes shall be constructed of an H20 traffic rated (per AASHTO-H20 load test) concrete material and shall meet the CalTrans No. 5T or 6T State Specification. Lids shall be H20 rated.

The lid shall be "locked" into the meter box body with a Penta head bolt (0.84 P/F 18-8 Stainless), 3/8"-16x1 thread, with washer. Each lid shall have the term "PROPERTY OF CITY OF SACRAMENTO" welded onto the top. The letters shall be 1" in height.

Meter Boxes for 3" and Larger Meters

The meter boxes and lids shall meet the applicable specifications above. Meter boxes to be located in landscape areas must meet tier 15 rating minimum. Meter boxes to be located in a traffic area, must be H20 traffic rated. The meter box and lid shall be the following for the specific application of the meter box:

- 3" and 4" Compound Meter in Traffic shall be Oldcastle 3048 Box w/ H20 rated cover (or approved equal).
- 3" and 4" Compound Meter in Landscape shall be Oldcastle B48 Box w/2 piece concrete covers (or approved equal).
- 6" and 8" Compound Meter & 6" Looped Fire Meter in Traffic shall be Oldcastle R17 Pit w/H20 traffic rated steel spring loaded cover (or approved equal).
- 6" and 8" Compound Meter & 6" Looped Fire Meter in Landscape shall be Oldcastle B52 Pit w/3 piece concrete cover (or approved equal).
- 6" and 8" Fire Meter w/Bypass and 8" Looped Fire Meter shall be Oldcastle R37 Pit w/H20 traffic rated steel spring loaded cover (or approved equal).
- 3" through 6" Turbine Meter in Traffic shall be Oldcastle 3048 Box w/H20 Rated cover (or approved equal).
- 3" through 6" Turbine Meter in Landscape shall be Oldcastle B48 Box w/2 Piece Concrete Cover (or approved equal).
- Check Valve Vault shall be Oldcastle B40 w/H20 Rated Cover for traffic applications and Tier 15 rated cover for landscape applications (or approved equal).

3.14 Contractor Source Document for Monthly Billing

The City shall provide the contractor with an electronic spreadsheet to maintain. The following information will be already populated by the City:

Contractor Source Document (to be used for monthly billings)

- Physical address (street number and name)
- Assessor's Parcel Number (APN)

The contractor shall record the following on the electronic spreadsheet:

- Date paid
- Assessor Parcel Number (APN)
- Meter number/serial number (via Barcode only, no manual input)
- Badger Orion Fixed Network (SE) endpoint serial number (via Barcode only, no manual input)
- Street number
- Street name
- Meter location
- Meter manufacturer
- Meter size
- Existing service size
- Existing service material
- Add/Delete
- Bid items completed
- Total concrete quantity (square foot)
- Extra concrete quantity (square foot)
- Additional comments depicting unusual situations and/or damaged utilities

The Contractor is expected to correct any misinformation on the electronic spreadsheet, e.g. addresses.

An example of the spreadsheet can be found in the Appendix. The Contractor shall submit the spreadsheet electronically and provide a hard copy of the spreadsheet at the time each monthly billing is generated and no later than the 20th of each month. The Contractor shall also submit a weekly update on 11"x17" sized paper.

Note: Meter serial number and Badger Orion Fixed Network (SE) endpoints serial number shall not be manually populated into the electronic spreadsheet. A barcode reader shall be used.

3.15 Placement of Meter Boxes

In general:

- When an existing service is located in an alley, the meter box shall be placed at the property line of the alley.
- Where a park strip exists, the meter box shall be placed in the park strip.

- Where there isn't a park strip but a sidewalk exists, the meter box shall be placed in the landscape area behind the sidewalk, unless noted on the schedule of services or as determined by the Engineer.
- Where there isn't a park strip or sidewalk but a curb exists, the meter box shall be placed in the non-trafficked area behind the curb.
- Where there isn't a park strip, sidewalk or curb (unimproved streets), the meter box shall be placed adjacent to the property line within the public right-of-way.
- Where meters are to be placed in backyard easements, meters shall be placed within the easement shown on the plans or listed in the schedule of services, at the existing tap location, unless otherwise noted on the plans or as directed by the Engineer.

Due to the significant number of trees in the project area, location of meter box may need to be adjusted from what is identified in the Schedule of Services, and shall be relocated from the park strip to the sidewalk or behind sidewalk, as directed by the Engineer.

If the Contractor placement of a meter box is ambiguous, then the placement shall be determined by the Engineer.

Meter boxes shall be installed to match vertical slope of surrounding conditions to a maximum vertical angle of 45-degrees. Should field conditions exceed this maximum angle, then the placement shall be determined by the Engineer.

Excavation for meter boxes shall be a minimum of eight inches (8") around all sides of the box to allow for proper compaction of the backfill and surface restoration around the box unless otherwise determined in the field by the Engineer.

Plated excavations for meter box installations in public right-of-way shall be backfilled within five (5) calendar days of excavation and temporarily patched.

When a meter shall be placed in a sidewalk, the following shall apply. When removing sidewalk for the purpose of placing a meter box, an entire single flag of concrete (20.25 square feet typical) shall be removed and replaced. The Contractor shall attempt to place the meter box such that only one flag of concrete need be removed without causing damage to the existing curb and gutter. Should the Contractor determine that the meter box location should fall on a joint between two flags of concrete, for reasons acceptable to the Engineer; both flags shall be removed and replaced.

Unless directed by the Engineer, meter boxes are not to be placed within driveways. Surface restoration shall be as specified elsewhere in the Special Provisions.

Each phase shall be completed prior to beginning construction of additional phases and shall include fully tested and operational meter retrofits unless otherwise approved by the Engineer. Final paving, surface restoration, and all other items identified within these Special Provisions that fall within each phased area shall also be completed before moving to a subsequent phase.

3.16 Phasing of Construction

The Contractor shall be required to produce and submit a phasing plan that is acceptable to the Engineer prior to starting any work. This plan shall illustrate, by use of a map and Gantt chart, the

streets and properties impacted during each phase of construction, as well as the sequence of phases.

The plan shall consist of four (4) phases with each separate phase of generally equal size in regard to quantity of new services and linear footage of new distribution main placed, with the exception of Phase 1 which shall consist mostly of meter retrofits.

The Contractor shall construct the new distribution system and services in the phased manner identified in the phasing plan. All changes to the implementation of the phasing plan must be approved in writing by the Engineer.

In order to meet the construction time frame, contractor shall have no less than two crews working on each phase, with the exception of Phase 1. Each phase shall be completed prior to beginning construction of the next phase (with the exception of Phase 1 and Phase 2), and shall include fully tested and operational new water mains, completed services, final paving, and other required surface restoration, and all other items within these Special Provisions that fall within each phased area. The sole exception includes the abandonment of existing mains, hydrants, and valves.

3.17 De-watering

A determination of groundwater level has not been made for this project. The Contractor shall be responsible for the control, removal, and disposal of any groundwater in accordance with Section 27-3 of the City Standard Specifications.

3.18 Tree Preservation Requirements

Trees within the project area shall be protected by the following means:

1. The contractor shall hire an International Society of Arboriculture (ISA) certified arborist (project arborist) to do any required pruning for equipment clearance, and for a root inspection(s) for trenching activities within the dripline(s) of the trees.
2. If during excavation for the project, tree roots greater than two inches (2") in diameter are encountered, work shall stop immediately until the project arborist can perform an on-site inspection. All roots shall be cut clean and the tree affected may require supplemental irrigation/fertilization and pruning as a result of the root cutting. The contractor will be responsible for any costs incurred. Depending upon the amount of roots encountered and the time of year, wet burlap may be required along the sides of the trench.
3. The contractor shall be held liable for any damage to existing trees, i.e. trunk wounds, broken limbs, pouring of any deleterious materials, or concrete washout under the dripline of the trees. Damages will be assessed using the A Guide to Plant Appraisal eighth edition, published by the International Society of Arboriculture. An appraisal report shall be submitted for review by the City Arborist.
4. The contractor's certified arborist shall coordinate with the City Arborist for work on or around any "protected tree". A "protected tree" is any tree within the City right-of-way or a Heritage tree. A Heritage tree is:

- a. Any tree of any species with a trunk circumference of one hundred (100) inches or more, which is of good quality in terms of health, vigor of growth and conformity to generally accepted horticultural standards of shape and location for its species.
- b. Any native Quercus species, Aesculus California or Platanus Racemosa, having a circumference of thirty-six (36) inches or greater when a single trunk, or a cumulative circumference of thirty-six (36) inches or greater when a multi-trunk, which is of good quality in terms of health, vigor of growth and conformity to generally accepted horticultural standards of shape and location for its species

The City Arborist can be contacted through the City's dispatch by dialing 311, or (916) 264-5011 if outside the City, or via email at urbanforestry@cityofsacramento.org.

5. A permit is required for any work on a "protected tree". Permit applications are found on the City of Sacramento Public Works website. A copy of the tree permit shall be kept at the site of the work and shall be shown to any representative of the City of Sacramento or any law enforcement officer, at any time requested.

For this project area, several areas have been designated as "hand dig" areas due to the existence of Heritage Trees within the paved street section. Work within this area requires the full time inspection of the City Arborist. Contractor shall request special inspection to the Engineer a minimum of seven (7) working days prior to work within these "hand dig" areas. "Hand dig" shall include excavating by hand shovel, vacuum, and other non-invasive trenching methods as approved by the City Arborist.

3.19 Cultural Resources

Observation will be employed by the Contractor and the Engineer during this project to ensure that any cultural resources identified are treated in accordance with the guidelines set forth in CEQA.

Construction activities will be monitored nearing depths of native soil.

Trenches will be monitored for any cultural indicators such as changes in soil color, composition, or texture; human bone; artifacts; and structural remains and features.

3.20 State Water Resources Control Board Requirements

As part of the installation of the new water mains, the water mains will cross existing pipes carrying non-potable liquids (sewer pipes) in a number of places throughout the project area. These crossings shall conform to the requirements of the State Water Resources Control Board standards and as specified in the City of Sacramento Standard Specifications and these Special Provisions. Where the new water main crosses below the existing sewer, no joints are allowed within 10-feet clear either side of the crossing sewer and the new water main shall be constructed of Class 200 PVC or Ductile Iron Pipe. Unless otherwise indicated, where the new water main crosses over the existing sewer between 4-inches and 12-inches above the existing sewer, no joints are allowed within 8-feet clear either side of the existing sewer. The minimum vertical separation between the new water main crossing and existing sewer is 4-inches. See the Plans for additional requirements.

Where noted on the Plans, or as directed by the Engineer, ductile iron pipe shall be used in locations where new water mains must be placed parallel to an existing sewer main, or other pipe carrying non-potable liquid, and the pipe separation is five (5) feet or less.

3.21 Payment

No separate payment will be made to the Contractor for complying with the requirements of this Section. The cost of such work shall be included in whatever bid item the Contractor deems appropriate.

*** END OF SECTION ***

SECTION 4 - ITEMS OF THE PROPOSAL

Item No. 1 Construction Photographs or Video

This item shall consist of providing pre-construction and post-construction photographs or video of all work. Photographs or video shall meet the requirements of Section 11 of the City Standard Specifications, except as modified herein or as directed by the Engineer.

Photographs or video of all existing conditions within the limits of construction shall be taken. The address of each property within the project area shall be clearly identified on each photograph or in the video. Pre-construction photographs or video shall be submitted and accepted by the City prior to the start of construction. Photographs or video shall include all pavement and landscaping features within the construction area at each property. The Contractor shall submit as many photographs or as much video as necessary to clearly depict the condition of the existing pavement and landscaping features at each property. Special emphasis shall be placed on existing pavement, structures, flowerbeds, trees, or any other item in close proximity to the construction area. Upon completion of work at each property, the Contractor shall have post-construction photographs or video taken at the same locations that the pre-construction photos or video were taken. All photographs or video shall be taken with a digital still camera or video recorder and provided to the City on a DVD.

Each DVD shall be formatted as follows:

- For digital photographs stored on a DVD, a folder shall be established for each street within the project. Each street folder shall contain folders titled for each address that a meter retrofit has been performed.
- For videos stored on a DVD, a chapter name shall be established for each street within the project. Video taken at each address on a particular street shall be stored in the chapter entitled for that street.

When submitting pre-construction or post-construction photographs or video, the Contractor shall provide a table of contents identifying each DVD submitted and the folder/chapter content therein. The table of contents shall be indexed on the DVD.

Payment for "Construction Photographs or Video" shall be at the contract lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, required processing, and equipment, and for performing all work necessary to complete this item.

Item No. 2 Mobilization

Note: The maximum amount bid for "Mobilization" shall be three (3) percent or less of the total base bid.

This item shall consist of preparatory work and operations, including, but not limited to, those items necessary for bonding, insurance, movement of personnel, equipment, supplies, and incidentals to the project site(s), and for all other work and operations which must be performed or costs incurred prior to beginning work on the various contract items.

Payment and contract amount for "Mobilization" shall conform to Section 11 - Mobilization of the State Standard Specifications. The contract lump sum price paid for "Mobilization" shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in mobilization.

Item No. 3 Meter Retrofit of 1-inch Water Service

Item No. 4 Meter Retrofit of 1½-inch Water Service

Item No. 5 Meter Retrofit of 2-inch Water Service

This item shall consist of furnishing and installing meter setters, meter valves, curb stops, meter boxes, lids, water meters, required pipe, all fittings including those required to adjust alignment and elevation, and all other materials required to complete the installation of the service retrofit on existing residential and commercial water services in accordance with Section 10, 27 and 38 of the Standard Specifications and the applicable details as shown in the Appendix of these Special Provisions. The City will furnish, and the Contractor shall install, meters 3" and larger and Badger ORION Fixed Network (SE) endpoints. All meter retrofits shall be installed in accordance with the installation methods outlined in American Water Works Association Standards M6 - Manual of Water Supply Practices (AWWA), the UPC, and Technical Drawings located in the Appendix of these Special Provisions.

Refer to the Schedule of Services for direction on meter size for each property within the project area. Meter retrofit detailed drawings are located on the Plans. Not all water connections will match the typical details.

Description	Technical Dwg.
Retrofit of 1-Inch Water Service Within Existing Sidewalk or Alley	W-402R
Retrofit of 1-Inch Water Service at Back of Walk	W-402RB
Retrofit of 1-Inch Water Service in Backyard Easement	W-402RE
Retrofit of 1½-Inch & 2-Inch Water Service within Existing Sidewalk	W-507R

1-inch meter setters shall be installed on ¾-inch services. Single family residential properties with 1¼-inch services shall have a 1-inch meter as determined in the field by the Engineer. Multi-family residences (3 or more units) with a 1¼ -inch service shall have a 1½ -meter. The Contractor is responsible for supplying all fittings and any additional pipe necessary to complete the meter retrofit installation and shall adjust pipe diameter, pipe material, and horizontal or vertical alignments.

When the existing water service has an existing curb stop box, the Contractor shall remove the existing curb stop and curb stop box if it is located in the right-of-way or easement. If the curb stop box is located outside of the easement or right of way, the curb stop box shall be abandoned in place by filling the standpipe with AB and grouting the lid in place.

The Contractor shall assume and be solely responsible for performance of all locating and marking functions under the Underground Service Alert law (Calif. Government Code § 4216 and following) for all City water mains and related subsurface facilities (valves, tees, hydrant leads, etc.), on which the Contractor is performing any work. The Contractor also shall locate and mark all water service laterals, including curb and corporation stops. All locating and marking performed by Contractor shall be performed by a qualified person, as defined in Government Code § 4216, and shall be performed in accordance with all requirements of the Underground Service Alert law (Government Code § 4216 and following).

All Underground Service Alert markings, including the markings made by the Contractor, shall be verified by the Contractor.

All costs shall be borne by the Contractor and shall be included in this bid item.

Included in the Appendix is a list of addresses of properties that need to be retrofit and any service location records that exist. The service location records are provided as a reference only and in no way does the City guarantee the accuracy of the records.

If a backflow prevention assembly is found at any of the listed retrofit addresses in the field, the Contractor shall contact the Engineer for direction on replacement, removal, or other required action.

The quantity of 2-inch and smaller service retrofits shown on the bid proposal is for bidding purposes only. The unit price indicated for 2-inch and smaller meter service retrofits will not be adjusted because the actual number of required meter service retrofits varies from the quantity shown on the bid proposal.

Water main shut downs to turn off the service during the meter retrofit of a water service will not be allowed. The Contractor shall be responsible for shutting off the service during the meter retrofit of the water service by crimping the service or utilizing other AWWA approved method.

The Contractor shall reconnect the existing water service on the property owner's side of the meter box so that the residential water system is in service when this item is complete. If the residential water system is in such poor condition that the contractor cannot reconnect to the service, the Contractor shall replace a portion of the service until a suitable connection point can be found. This item shall include replacing up to 5 feet of the customer's service. This item shall include the re-connection of up to two residential water services on the owner's side of the meter retrofit. Additional footage shall be paid under a separate item.

A random sampling of existing curb stop depths was performed within the project area. The existing depth from finished grade to the top of curb stop varies between 14- to 48- inches. No separate payment will be made for retrofits installed that vary within these depths.

Surface restoration associated with this item shall be in accordance with the section of the Water Construction Requirements of these Special Provisions, entitled "Pavement Cutting and Surface Restoration". Pavement cutting shall be perpendicular and parallel to the centerline of the road.

The Contractor shall saw cut, repair or replace existing sidewalk, driveway, alley or street surface, provide new sod, shrubbery, fencing, and repair or replacement of existing improvements on private property that may be damaged as a result of the installation of the meter service retrofit. All surface restoration in the street or right of way shall be paid for under this item. All landscape surface or unimproved alley restoration, shall be paid for under this bid item. Any concrete restoration on private property with a broom, exposed aggregate, trowel, or salt finish, along with additional sidewalk panels, shall be paid for under the "Concrete, to Remove and Replace" bid item. Any asphaltic concrete restoration on private property shall be paid for under the "Asphaltic Concrete Pavement to Remove and Replace" bid item. All other hardscape surface not covered under the "Concrete, to Remove and Replace" bid item, shall be paid for as extra work per section 4-6 of the City Standard Specifications.

Payment shall be at the unit price bid per each retrofit and shall include full compensation for furnishing all labor, material except as furnished by the City, tools, equipment and incidentals and for performing all work necessary to complete this item in place.

Item No. 6 2-inch and Smaller Substandard Water Service

Substandard water services encountered during construction shall be removed and replaced in accordance with Sections 10, 27, and 38 of the Standard Specifications.

A 2-inch and smaller water service shall be considered substandard if not made of copper or HDPE tubing as determined by the Engineer. This item shall consist of furnishing and installing all required water service piping and all other items to place and connect water services as shown on the detail in the Appendix from the water main to the point of service at the property. Water service pipe for a 2-inch and smaller water service shall be in accordance with Section 10, 27 and 38 of the Standard Specifications. The service piping placed shall match existing size unless smaller than 1-inch diameter, in which case a 1-inch diameter service shall be placed. The new pipe shall be placed from the existing curb stop to the existing corporation stop or gate valve. If the existing curb stop and box is located behind the sidewalk, the Contractor shall replace the service pipe back to the existing curb stop and remove and dispose of the existing curb stop box. If the curb stop is located under a concrete surface, the Contractor may tunnel no more than three feet under the concrete to connect to the existing curb stop. If tunneling is used, the Contractor shall use a CDF material to backfill the area. The existing curb stop box within concrete shall be abandoned in place by filling the standpipe with AB and grouting the lid in place. The service must be embedded in six inches of sand prior to placing CDF. If existing corporation stop or gate valve cannot be reused through no fault of the Contractor, the work associated with installing a new corporation stop or gate valve will be considered extra work and paid per Section 8 of the Standard Specifications.

If the Contractor finds a substandard service, the Contractor shall notify the Engineer and shall cover the excavation with temporary plates until the Engineer has made an inspection.

The Contractor shall reconnect the existing water service on the property owner's side of the meter box so the residential water system is in service when this item is complete. (The installation of the meter box and meter shall be paid for under a separate item.)

Maximum time for shutdown of any water service to any residence or business shall be four (4) hours.

The Contractor shall assume and be solely responsible for performance of all locating and marking functions under the Underground Service Alert law (Calif. Government Code § 4216 and following) for all City water mains and related subsurface facilities (valves, tees, hydrant leads, etc.), on which the Contractor is performing any work. The Contractor also shall locate and mark all water service laterals, including curb and corporation stops. All locating and marking performed by Contractor shall be performed by a qualified person, as defined in Government Code § 4216, and shall be performed in accordance with all requirements of the Underground Service Alert law (Government Code § 4216 and following).

All Underground Service Alert markings, including the markings made by the Contractor, shall be verified by the Contractor.

All costs shall be borne by the Contractor and shall be included in this bid item.

The removed material shall become the property of the Contractor and will be disposed of at the Contractor's discretion, except for existing meters to be replaced. Meters shall be returned to the Engineer upon removal.

The exact number and location of substandard water services to replace shall be determined in the field. The quantity of substandard water services to be replaced shown on the Proposal is for bidding purposes only. The unit price indicated for substandard services to be replaced will not be adjusted because the actual number of required substandard services varies from the quantity shown in the Proposal.

Surface restoration associated with this item shall be in accordance with the section of the Water Construction Requirements of these Special Provisions, entitled "Pavement Cutting and Surface Restoration". Pavement cutting shall be perpendicular and parallel to the centerline of the road. The Contractor shall saw cut, repair or replace existing sidewalk, driveway, alley or street surface, provide new sod, shrubbery, fencing, and repair or replacement of existing improvements on private property that may be damaged as a result of the installation of the substandard water service. All surface restoration in the street or right of way shall be paid for under this item. All landscape surface restoration shall be paid for under this bid item. Any concrete restoration on private property with a broom, exposed aggregate, trowel, or salt finish, along with any additional sidewalk panels, shall be paid for under the "Concrete, to Remove and Replace" bid item. Any asphaltic concrete restoration on private property shall be paid for under the "Asphaltic Concrete Pavement to Remove and Replace" bid item. All other hardscape surface not covered under the "Concrete, to Remove and Replace" bid item, shall be paid for as extra work per section 4-6 of the City Standard Specifications.

Payment shall be at the unit price bid per each substandard water service replaced and shall include full compensation for furnishing all labor, material, tools, equipment and incidentals and for performing all work necessary to complete this item in place.

Item No. 7 Hybrid Water Service w/ Meter Box, to Furnish and Install (main to front/side hose bib),

Item No. 8 Hybrid Water Service w/ Meter Box, to Furnish and Install (main to rear of property),

Item No. 9 1½-Inch Water Service w/ Meter Box, to Furnish and Install (main to front/side hose bib)

Item No. 10 1½-Inch Water Service w/ Meter Box, to Furnish and Install (main to rear of property)

Item No. 11 2-Inch Water Service w/Meter Box, to Furnish and Install (main to front/side of property)

Item No. 12 2-Inch Water Service w/Meter Box, to Furnish and Install (main to rear of property)

This item shall consist of furnishing and installing water services from the water main to the ¾-inch (minimum) front side or rear hose bib at the property, or to the existing property water service pipe at the rear of the property.

Each water service shall include furnishing and placing the saddle, corporation stop, meter box, meter lid, meter setter, meter valve, meter, all necessary piping and fittings, preparing the hose bib for connection in accordance with the UPC, and all other items necessary to place and connect water services for a complete and operable system as shown on the Plans. The City will furnish, and the Contractor shall install, Badger ORION Fixed Network (SE) endpoints. The water services and their installation shall meet the applicable requirements of Sections 10, 27, and 38 of the City Standard Specifications and these Special Provisions.

Water services installed on corner properties where the Contractor elects to connect to the back of the house to minimize the length of the water service shall be paid for under a "main to front/side hose bib" item.

This item shall include up to 80-feet of water service piping from the main to the front or side ¾-inch (minimum) hose bib, and up to 150-feet of water service piping from the main to the rear of the residence. Additional footage shall be paid under a separate item.

The Contractor shall assume and be solely responsible for performance of all locating and marking functions under the Underground Service Alert law (Calif. Government Code § 4216 and following) for all City water mains and related subsurface facilities (valves, tees, hydrant leads, etc.), on which the Contractor is performing any work. The Contractor also shall locate and mark all water service laterals, including curb and corporation stops. All locating and marking performed by Contractor shall be performed by a qualified person, as defined in Government Code § 4216, and shall be performed in accordance with all requirements of the Underground Service Alert law (Government Code § 4216 and following).

All Underground Service Alert markings, including the markings made by the Contractor, shall be verified by the Contractor.

All costs shall be borne by the Contractor and shall be included in this bid item.

The Contractor shall install pipe, shut off valves, union, and fittings where none previously existed, or existing material is galvanized, or existing is not in a working condition as determined by the Engineer.

Typical details can be found in the Appendix/Plans. Not all water connections will match the typical details.

The quantity of water services to install, as shown on the Bid Sheet, is for bidding purposes only. The unit price indicated will not be adjusted because the actual number varies from the quantity shown on the Bid Sheet.

Surface restoration associated with this item shall be in accordance with the section of the Water Construction Requirements of these Special Provisions, entitled "Pavement Cutting and Surface Restoration". Pavement cutting shall be perpendicular and parallel to the centerline of the road. The Contractor shall saw cut, repair or replace existing sidewalk, driveway, alley or street surface, provide new sod, shrubbery, fencing, and repair or replacement of existing improvements on private property that may be damaged as a result of the installation of the water service. All surface restoration in the street or right of way shall be paid for under this item. All landscape surface restoration shall be paid for under this bid item. Any concrete restoration on private property with a broom, exposed aggregate, trowel, or salt finish, along with any additional sidewalk panels, shall be paid for under the "Concrete, to Remove and Replace" bid item. Any asphaltic concrete restoration on private property shall be paid for under the "Asphaltic Concrete Pavement to Remove and Replace" bid item. All other hardscape surface not covered under the "Concrete, to Remove and Replace" bid item, shall be paid for as extra work per section 4-6 of the City Standard Specifications.

Payment shall be at the contract unit price bid for each water service installed and connected from the main to hose bib or existing water service at the rear of the property, and shall include full compensation for furnishing all labor, materials, tools and equipment, and for performing all work necessary to complete this item in place.

Item No. 13 1-inch Water Service w/ Meter (main to existing service)

Item No. 14 1½-Inch Water Service w/ Meter (main to existing service)

Item No. 15 2-inch Water Service w/ Meter (main to existing service)

Each water service shall include furnishing and placing the saddle, corporation stop, meter box, meter lid, meter setter, meter valve, and meter, all necessary piping and fittings, and all other items necessary to place and connect water services for a complete and operable system as shown on the Plans. The City will furnish, and the Contractor shall install, Badger ORION Fixed Network (SE) endpoints. The water services and their installation shall meet the applicable requirements of Sections 10, 27, and 38 of the City Standard Specifications and these Special Provisions.

This item shall also include up to two points of connection on the owner's property. This item shall include replacing up to 5-feet of pipe of the customer's service. Additional pipe footage shall be paid under a separate item.

The Contractor shall assume and be solely responsible for performance of all locating and marking functions under the Underground Service Alert law (Calif. Government Code § 4216 and following) for all City water mains and related subsurface facilities (valves, tees, hydrant leads, etc.), on which the Contractor is performing any work. The Contractor also shall locate and mark all water service laterals, including curb and corporation stops. All locating and marking performed by Contractor shall be performed by a qualified person, as defined in Government Code § 4216, and shall be performed in accordance with all requirements of the Underground Service Alert law (Government Code § 4216 and following).

All Underground Service Alert markings, including the markings made by the Contractor, shall be verified by the Contractor.

All costs shall be borne by the Contractor and shall be included in this bid item.

Typical details can be found in the Appendix/Plans. Not all water connections will match the typical details.

The quantity of Water Service with Meter (main to existing service) to install and connect from the main up to and including the meter as shown on the Bid Sheet is for bidding purposes only. The unit price indicated will not be adjusted because the actual number varies from the quantity shown on the Bid Sheet.

Surface restoration associated with this item shall be in accordance with the section of the Water Construction Requirements of these Special Provisions, entitled "Pavement Cutting and Surface Restoration". Pavement cutting shall be perpendicular and parallel to the centerline of the road. The Contractor shall saw cut, repair or replace existing sidewalk, driveway, alley or street surface, provide new sod, shrubbery, fencing, and repair or replacement of existing improvements on private property that may be damaged as a result of the installation of the water service. All surface restoration in the street or right of way shall be paid for under this item. All landscape surface restoration shall be paid for under this bid item. Any concrete restoration on private property with a broom, exposed aggregate, trowel, or salt finish, along with any additional sidewalk panels, shall be paid for under the "Concrete, to Remove and Replace" bid item. Any asphaltic concrete restoration on private property shall be paid for under the "Asphaltic Concrete Pavement to Remove and Replace" bid item. All other hardscape surface not covered under the "Concrete, to Remove and Replace" bid item, shall be paid for as extra work per section 4-6 of the City Standard Specifications.

Payment shall be at the contract unit price bid for each water service installed and connected from the main to the existing service on the customer's side of the meter, including the meter, and shall include full compensation for furnishing all labor, materials, tools and equipment, and for performing all work necessary to complete this item in place.

Item No. 16 Install and Reconnect Existing Metered Service (2-inch and smaller)

This item shall consist of installing and reconnecting existing metered service to the new water main. This item includes the furnishing and installation of saddle, corporation stop, service pipe,

and fittings. The contractor shall intercept the existing water service and connect it to the new corporation stop using copper water pipe. The water services and their installation shall meet the applicable requirements of Sections 10, 27, and 38 of the City Standard Specifications and these Special Provisions. See detail in Plans drawing No CD-1.

Unless otherwise directed, intercept and connect the existing service lateral as close as practicable to the new water main.

The Contractor shall assume and be solely responsible for performance of all locating and marking functions under the Underground Service Alert law (Calif. Government Code § 4216 and following) for all City water mains and related subsurface facilities (valves, tees, hydrant leads, etc.), on which the Contractor is performing any work. The Contractor also shall locate and mark all water service laterals, including curb and corporation stops. All locating and marking performed by Contractor shall be performed by a qualified person, as defined in Government Code § 4216, and shall be performed in accordance with all requirements of the Underground Service Alert law (Government Code § 4216 and following).

All Underground Service Alert markings, including the markings made by the Contractor, shall be verified by the Contractor.

All costs shall be borne by the Contractor and shall be included in this bid item.

Information regarding existing service location shall be supplied to the City ten (10) working days prior to placing the saddle and/or constructing the service.

The Contractor shall reconnect the existing water service to the new water main for a complete and operable system as shown on the Plans.

Surface restoration associated with this item shall be in accordance with the section of the Water Construction Requirements of these Special Provisions, entitled "Pavement Cutting and Surface Restoration" and shall be paid for under this item of the contract. Pavement cutting shall be perpendicular and parallel to the centerline of the road. The Contractor shall saw cut, repair or replace existing curb, gutter, sidewalk, driveway, alley or street surface, provide new sod, shrubbery, fencing, and repair or replacement of existing improvements on private property that may be damaged as a result of the installation and reconnection of the water service.

The quantities for this bid item are for bidding purposes only. The unit price indicated will not be adjusted because the actual number of water meters reconnected may vary from the quantity show on the plans.

Item No. 17 4-inch Water Service to Transfer

This item shall consist of furnishing and installing necessary fittings in the new main and installing piping and all other items necessary to connect the existing services to the new main, for a complete and operable system as shown on the Plans. This bid item includes fire services, fire hydrant leads, irrigation services, and domestic water services. The tee and all associated lateral pipe and fittings necessary to intercept and transfer service to the new main shall be the same diameter and material as the existing service. Gate valves shall be paid for under separate items. Unless otherwise directed, intercept and connect the existing service lateral as close as practicable to the new water main using acute angled fittings of 45 degrees or less.

This item shall also include furnishing and installing elbows to change the horizontal and vertical alignment of the proposed water service or hydrant lead to avoid conflicts with existing underground utilities or to maintain proper depth of bury through vertical curves.

These services shall be included in the testing and disinfection of the new water main.

Materials and placement shall meet the applicable requirements of Sections 10, 27, and 38 of the City Standard Specifications and these Special Provisions. The existing service shall not be disrupted until the new water main is connected and operable.

Surface restoration associated with this item shall be in accordance with the section of the Water Construction Requirements of these Special Provisions, entitled "Pavement Cutting and Surface Restoration" and shall be paid for under this item of the contract. Pavement cutting shall be perpendicular and parallel to the centerline of the road. The Contractor shall saw cut, repair or replace existing curb, gutter, sidewalk, driveway, alley or street surface, provide new sod, shrubbery, fencing, and repair or replacement of existing improvements on private property that may be damaged as a result of the installation and reconnection of the water service.

The quantities for this bid item are for bidding purposes only. The unit price indicated will not be adjusted because the actual number of water meters reconnected may vary from the quantity shown on the plans.

Payment shall be at the contract unit price bid for each water service/hydrant lead reconnected and shall include full compensation for furnishing all labor, materials, tools and equipment, and for performing all work necessary to complete this item in place.

Item No. 18 Relocate Existing Meters

This bid item includes relocating existing meters from their current locations in the backyard or side yard to the front yard location as shown on the Plans and in accordance with the City Standard Specifications and these Special Provisions.

Payment will be at the contract unit price bid per each meter relocated and shall include full compensation for furnishing all labor, materials, tools and equipment, and for performing all work necessary to complete this item in place.

Item No. 19 Street or Alley Water Service, to Abandon

The Contractor shall abandon water services as directed by the Engineer.

If water service abandonment is located in a street, alley, or driveway, the Contractor shall turn off the corporation stop and cut and abandon the service at the corporation stop. The Contractor shall turn off the curb stop, fill the standpipe with AB and grout the lid in place. If the Contractor is unable to locate either the curb or corporation stops, he shall use an Engineer approved alternate construction method to abandon the existing water service.

Surface restoration associated with this item shall be in accordance with the section of the Water Construction Requirements of these Special Provisions, entitled "Pavement Cutting and Surface Restoration". Pavement cutting shall be perpendicular and parallel to the centerline of the road. The Contractor shall saw cut, repair or replace existing sidewalk, driveway, alley or street surface, provide new sod, shrubbery, fencing, and repair or replacement of existing improvements on private property that may be damaged as a result of the water service abandonment. All surface restoration in the street or right of way shall be paid for under this item. All landscape surface restoration shall be paid for under this bid item. Any concrete restoration on private property with a broom, exposed aggregate, trowel, or salt finish, along with any additional sidewalk panels, shall be paid for under the "Concrete, to Remove and Replace" bid item. Any asphaltic concrete restoration on private property shall be paid for under the "Asphaltic Concrete Pavement to Remove and Replace" bid item. All other hardscape surface not covered under the "Concrete, to Remove and Replace" bid item, shall be paid for as extra work per Section 4-6 of the City Standard Specifications.

The quantity of services to abandon on the Bid Sheet is for bidding purposes only. The unit price indicated will not be adjusted because the actual number varies from the quantity shown on the Bid Sheet.

The Contractor shall assume and be solely responsible for performance of all locating and marking functions under the Underground Service Alert law (Calif. Government Code § 4216 and following) for all City water mains and related subsurface facilities (valves, tees, hydrant leads, etc.), on which the Contractor is performing any work. The Contractor also shall locate and mark all water service laterals, including curb and corporation stops. All locating and marking performed by Contractor shall be performed by a qualified person, as defined in Government Code § 4216, and shall be performed in accordance with all requirements of the Underground Service Alert law (Government Code § 4216 and following).

All Underground Service Alert markings, including the markings made by the Contractor, shall be verified by the Contractor.

All costs shall be borne by the Contractor and shall be included in this bid item.

Payment shall be at the contract unit price bid for each water service abandoned and shall include full compensation for furnishing all labor, materials, tools and equipment, and for performing all work necessary to complete this item in place.

Item No. 20 Easement Water Service, to Abandon

The Contractor shall abandon water services where backyard easement mains provide water to the home, once the home has been connected to the new water service and is operable.

The Contractor shall turn off the corporation stop and cut and abandon service at the corporation stop and hose bib prior to making the new water service connection. If there are hose bibs off the service, the Contractor shall cut and cap the service on the far side of the hose bib so that the hose bibs remain operable. If the Contractor is unable to locate either the curb or corporation stops, he shall use an Engineer approved alternate construction method to abandon the existing water service. If water service abandonment is located within a backyard easement, the Contractor shall remove the existing curb stop box. If the curb stop box is located outside of the easement or right

of way, the curb stop box shall be abandoned in place by filling the standpipe with AB and grouting the lid in place.

The existing house shut off valve shall be removed and the above ground tee shall be plugged. The Contractor shall remove the riser.

Surface restoration associated with this item shall be in accordance with the section of the Water Construction Requirements of these Special Provisions, entitled "Pavement Cutting and Surface Restoration". Pavement cutting shall be perpendicular and parallel to the centerline of the road. The Contractor shall saw cut, repair or replace existing sidewalk, driveway, alley or street surface, provide new sod, shrubbery, fencing, and repair or replacement of existing improvements on private property that may be damaged as a result of the water service abandonment. All surface restoration in the street or right of way shall be paid for under this item. All landscape surface restoration shall be paid for under this bid item. Any concrete restoration on private property with a broom, exposed aggregate, trowel, or salt finish, along with any additional sidewalk panels, shall be paid for under the "Concrete, to Remove and Replace" bid item. Any asphaltic concrete restoration on private property shall be paid for under the "Asphaltic Concrete Pavement to Remove and Replace" bid item. All other hardscape surface not covered under the "Concrete, to Remove and Replace" bid item, shall be paid for as extra work per Section 4-6 of the City Standard Specifications.

The quantity of alley or backyard easement services to abandon on the Bid Sheet is for bidding purposes only. The unit price indicated will not be adjusted because the actual number varies from the quantity shown on the Bid Sheet.

The Contractor shall assume and be solely responsible for performance of all locating and marking functions under the Underground Service Alert law (Calif. Government Code § 4216 and following) for all City water mains and related subsurface facilities (valves, tees, hydrant leads, etc.), on which the Contractor is performing any work. The Contractor also shall locate and mark all water service laterals, including curb and corporation stops. All locating and marking performed by Contractor shall be performed by a qualified person, as defined in Government Code § 4216, and shall be performed in accordance with all requirements of the Underground Service Alert law (Government Code § 4216 and following).

All Underground Service Alert markings, including the markings made by the Contractor, shall be verified by the Contractor.

All costs shall be borne by the Contractor and shall be included in this bid item.

Payment shall be at the contract unit price bid for each water service abandoned and shall include full compensation for furnishing all labor, materials, tools and equipment, and for performing all work necessary to complete this item in place.

Item No. 21 4-Inch Diameter Water Main, to Furnish and Install

Item No. 22 6-Inch Diameter Water Main, to Furnish and Install

Item No. 23 8-Inch Diameter Water Main, to Furnish and Install

Item No. 24 12-Inch Diameter Water Main, to Furnish and Install

This item shall consist of furnishing and placing water main pipe, fire hydrant leads, elbows and fittings at the locations, to the alignments and to the details shown on the Plans.

This item shall also include furnishing and installing elbows to change the horizontal and vertical alignment of the proposed water main to avoid conflicts with existing underground utilities or to maintain proper depth of bury through vertical curves.

The water main pipe material shall be ductile iron pipe or polyvinyl chloride (PVC), except for 12-inch main, which shall be ductile iron pipe (DIP) only. Materials and placement shall meet the applicable requirements of Sections 10, 27, and 38 of the City Standard Specifications and these Special Provisions.

All pipes shall be installed per State Water Resources Control Board requirements, specified elsewhere in these Special Provisions.

Surface restoration associated with this item shall be performed as specified elsewhere in these Special Provisions and paid for under this item. The Contractor shall restore surfaces in kind unless otherwise specified on the Plans or in these Special Provisions. Pavement cutting and restoration shall conform to the provisions of the City Standard Specifications and these Special Provisions. Striping and speed bump replacement, concrete, landscaping, asphaltic concrete, or any other material replacement encountered, shall be included in this item.

Payment shall be at the contract unit price bid per linear foot of water main furnished and installed and shall include full compensation for furnishing all labor, materials, tools and equipment, and for performing all work necessary to complete this item in place.

Item No. 25 Ductile Iron Pipe Only, 8-inch Diameter Water Main, to Furnish and Install

This item shall consist of furnishing and placing water main pipe, fire hydrant leads, valves, elbows and fittings at the locations, to the alignments and to the details shown on the Plans.

This item shall also include furnishing and installing elbows to change the horizontal and vertical alignment of the proposed water main to avoid conflicts with existing underground utilities or to maintain proper depth of bury through vertical curves.

The water main pipe material shall be ductile iron pipe only. Materials and placement shall meet the applicable requirements of Sections 10, 27, and 38 of the City Standard Specifications and these Special Provisions.

Surface restoration associated with this item shall be performed as specified elsewhere in these Special Provisions and paid for under this item. The Contractor shall restore surfaces in kind unless otherwise indicated on the Plans or in these Special Provisions. Pavement cutting and restoration shall conform to the provisions of the City Standard Specifications and these Special Provisions. Striping and speed bump replacement, concrete, landscaping, asphaltic concrete, or any other material replacement encountered, shall be included in this item.

This item shall include all non-invasive trench work and pipe installation (including mechanical restraints) required to complete the water main installations around the existing oak trees located within the Markham Way and 3rd Avenue street right-of-ways. **For bidding purposes, Contractor shall assume depth of water main will be 5-feet to top of pipe in order to avoid the oak tree roots within the Markham Way and 3rd Avenue street right-of-ways.**

Payment will be at the contract unit price bid per linear foot of water main furnished and installed and shall include full compensation for furnishing all labor, materials, tools and equipment, and for performing all work necessary to complete this item in place.

Item No. 26 Additional 2-Inch and Smaller Water Pipe, to Furnish and Install

This item shall consist of furnishing and installing additional residential water pipe where field conditions require service lengths of limits identified in previous bid items. Residential water service pipe shall include furnishing and placing type K copper or HDPE pipe, trenching, backfilling, landscaping, and any other miscellaneous work encountered to bring the new residential water system on-line. Water service pipe and their installation shall meet the applicable requirements of Sections 10, 27, and 38 of the City Standard Specifications and these Special Provisions.

The quantity of residential water pipe to furnish and install as shown on the Bid Sheet is for bidding purposes only. The unit price indicated will not be adjusted because the actual footage varies from the quantity shown on the Bid Sheet.

Surface restoration associated with this item shall be in accordance with the section of the Water Construction Requirements of these Special Provisions, entitled "Pavement Cutting and Surface Restoration". Pavement cutting shall be perpendicular and parallel to the centerline of the road. The Contractor shall saw cut, repair or replace existing sidewalk, driveway, alley or street surface, provide new sod, shrubbery, fencing, and repair or replacement of existing improvements on private property that may be damaged as a result of the installation of the additional pipe. All surface restoration in the street or right of way shall be paid for under this item. All landscape surface restoration shall be paid for under this bid item. Any concrete restoration on private property with a broom, exposed aggregate, trowel, or salt finish, along with any additional sidewalk panels, shall be paid for under the "Concrete, to Remove and Replace" bid item. Any asphaltic concrete restoration on private property shall be paid for under the "Asphaltic Concrete Pavement to Remove and Replace" bid item. All other hardscape surface not covered under the "Concrete, to Remove and Replace" bid item, shall be paid for as extra work per Section 4-6 of the City Standard Specifications.

Payment shall be at the contract unit price bid per linear foot of water service furnished and installed and shall include full compensation for furnishing all labor, materials, tools and equipment, and for performing all work necessary to complete this item in place.

Item No. 27 1½-Inch Schedule 40 PVC Pipe, to Furnish and Install

When adequate volume is not provided to all points on the property by a hose bib connection at the front of the house, 1½-inch Schedule 40 PVC pipe shall be furnished and installed and connected to the back half of the property. This item shall include furnishing and installing an isolation gate valve to ensure water can be shut off to the house and irrigation system. Alignment and connection point shall be at the approval of the Engineer. Materials and placement shall meet the applicable requirements of the City Standard Specifications and these Special Provisions.

Surface restoration associated with this item shall be in accordance with the section of the Water Construction Requirements of these Special Provisions, entitled "Pavement Cutting and Surface Restoration". Pavement cutting shall be perpendicular and parallel to the centerline of the road. The Contractor shall saw cut, repair or replace existing sidewalk, driveway, alley or street surface, provide new sod, shrubbery, fencing, and repair or replacement of existing improvements on private property that may be damaged as a result of the installation of the additional pipe. All surface restoration in the street or right of way shall be paid for under this item. All landscape surface restoration shall be paid for under this bid item. Any concrete restoration on private property with a broom, exposed aggregate, trowel, or salt finish, along with any additional sidewalk panels, shall be paid for under the "Concrete, to Remove and Replace" bid item. Any asphaltic concrete restoration on private property shall be paid for under the "Asphaltic Concrete Pavement to Remove and Replace" bid item. All other hardscape surface not covered under the "Concrete, to Remove and Replace" bid item, shall be paid for as extra work per Section 4-6 of the City Standard Specifications.

The quantity of PVC pipe to install on the Bid Sheet is for bidding purposes only. The unit price indicated will not be adjusted because the actual lineal footage varies from the quantity shown on the Bid Sheet.

Payment shall be at the contract unit price bid per linear foot of Schedule 40 PVC pipe furnished and installed and shall include full compensation for furnishing all labor, materials, tools and equipment, and for performing all work necessary to complete this item in place.

Item No. 28 4-Inch Diameter Gate Valve, to Furnish and Install

Item No. 29 6-Inch Diameter Gate Valve, to Furnish and Install

Item No. 30 8-Inch Diameter Gate Valve, to Furnish and Install

Item No. 31 12-Inch Diameter Gate Valve, to Furnish and Install

This item shall consist of furnishing and installing gate valves, including gate valve boxes and standpipes, at the locations indicated on the Plans and in conformance with the applicable requirements of Sections 10, 27, and 38 of the City Standard Specifications and these Special Provisions. This item shall include furnishing and installing gate valves on the standard hydrant lead.

Surface restoration associated with this item shall be performed as specified elsewhere in these Special Provisions and paid for under this item.

Payment shall be at the contract unit price bid for each gate valve furnished and installed and shall include full compensation for furnishing all labor, materials, tools and equipment, and for performing all work necessary to complete this item in place.

Item No. 32 2-Inch Diameter Blow-off, to Furnish and Install

This item shall consist of furnishing and installing a two inch (2") blow-off at the locations indicated on the Plans and shall be installed in accordance with Standard Drawing W-301 and Sections 10, 27, and 38 of the City Standard Specifications and as detailed in the Plans.

Surface restoration associated with this item shall be performed as specified elsewhere in these Special Provisions and paid for under this item.

Payment shall be at the contract unit price for each 2-inch blow-off valve furnished and installed and shall include full compensation for furnishing all labor, materials, tools and equipment, and for performing all work necessary to complete this item in place.

Item No. 33 Standard Fire Hydrant, to Furnish and Install

This item shall consist of furnishing and installing a standard fire hydrant at the locations indicated on the Plans. The standard fire hydrant shall be installed in accordance with Standard Drawing W-201 and Sections 10, 27, and 38 of the City Standard Specifications.

The Contractor shall work with the City Engineer in finding a suitable location to install a fire hydrant. In addition, the Contractor shall place a blue stake at the proposed location. Door hangers, as shown in the Appendix, shall be placed on the homeowner's door explaining the fire hydrant location and allowing the homeowner to call the Contractor with any issues regarding the proposed location. This work shall be done at least one week prior to installing the tee and gate valve on the new water main.

Surface restoration associated with this item shall be performed as specified elsewhere in these Special Provisions and paid for under this item.

6-inch standard fire hydrants, leads and valves shall be placed off 6-inch diameter water mains. 8-inch standard fire hydrants, leads and valves shall be placed off 8-inch and larger diameter water mains. The fire hydrant lead and valve shall be installed and paid for under separate items.

Payment shall be at the contract unit price bid for each standard fire hydrant furnished and installed and shall include full compensation for furnishing all labor, materials, tools and equipment, and for performing all work necessary to complete this item in place.

Item No. 34 Existing Fire Hydrant, to Remove

The Contractor shall remove existing fire hydrants in their entirety, the existing fire hydrant gate valve, stand pipe, gate valve box and lid, and abandon fire hydrant leads in place where indicated on the Plans. The Contractor shall abandon fire hydrant leads by plugging the end with two (2) feet

of Class "C" or Class "D" Portland cement concrete meeting the applicable requirements of the Standard Specifications. The Contractor shall deliver hydrants to the Corporation Yard, 5730 24th Street, Building 9. All pipe removed shall become the property of the Contractor and shall be disposed of away from the project site.

Work on this item shall not begin until all new water systems are connected and operable and old water mains are capped and/or abandoned as indicated on the Plans.

Surface restoration associated with this item shall be performed as specified elsewhere in these Special Provisions and paid for under this item.

Payment shall be at the contract unit price bid for each standard fire hydrant removed and shall include full compensation for furnishing all labor, materials, tools and equipment, and for performing all work necessary to complete this item in place.

Item No. 35 Mains to Cap

This item shall consist of furnishing and installing the necessary pipe and fittings to permanently cap existing water mains, which are to remain live, at the locations and to the details shown in the Plans or as directed by the Engineer. Main shall be exposed at the point of capping a minimum of one working day prior to capping for Engineer's final approval of cut location.

The method of capping the mains depends on the type of existing pipe. Asbestos-cement pipe shall be transition flex coupling, 3-foot PVC pipe, and a MJ cap with a thrust block. Cast iron pipe shall be capped by installing an MJ cap and a thrust block.

Surface restoration associated with this item shall be performed as specified elsewhere in these Special Provisions and paid for under this item.

Payment for capping mains shall be at the contract lump sum and shall include full compensation for furnishing all labor, materials, tools and equipment, and for performing all work necessary to complete this item in place.

Item No. 36 Connection to Existing Water System

This item shall consist of connecting the new water main to the existing water main at the locations indicated, to the details shown on the Plans and in accordance with Section 27-14 of the City Standard Specifications.

Connections made between different phases of the work outlined in these contract specifications shall not be considered an "existing connection".

The Contractor shall expose tie-in locations to locate existing water mains prior to installing new water main to determine elevation and to confirm material type, to minimize the use of fittings to connect to existing main. Where hot-taps are required to be made by City crews, contractor shall expose hot tap locations and provide all shoring and traffic control needed for City crews to complete hot tap.

The Contractor shall furnish and install fittings, restraints and pipe necessary to connect mains. When cutting into an existing main, up to 15-feet of new pipe may be required for each tie-in. The Contractor shall use 45-degree (maximum) elbows to match existing pipe elevations, which shall be installed in accordance with Standard Drawing W-103 of the City Standard Specifications.

Surface restoration associated with this item shall be performed as specified elsewhere in these Special Provisions and paid for under this item.

Payment shall be at the contract unit bid price for each connection to the existing water distribution system and shall include full compensation for furnishing all labor, materials, tools and equipment, and for performing all work necessary to complete this item in place.

Item No. 37 Existing Valves, Tees, Saddles, and Water Mains, to Remove or Abandon

This item shall consist of disconnecting existing taps and removing or abandoning existing valves, tees, saddles and water mains as indicated on the Plans or as directed by the Engineer in accordance with these Special Provisions.

At locations where a water main will be abandoned, the main shall be exposed a minimum of one working day prior to completing the work for Engineer's final approval of cut location. All abandoned connections shall be removed such that no protrusions remain on the live main, and any sections removed from the live main shall be repaired. The method for a main to be abandoned shall be one of the following, depending on the material of the water main:

- Asbestos-cement, ductile iron, PVC, and cast iron pipe shall be plugged with two (2) feet of concrete.
- Steel pipe shall be abandoned by either welding 1/4-inch thick steel plate on cut ends or plugging with two (2) feet of concrete.
- In the event that valve shutdown does not effect a positive shutdown, use of an MJ cap to abandon pipe, rather than welding or plugging with concrete, will be subject to Engineer approval and shall continue to be paid under this item.

At locations where permanent caps will be installed on existing water mains, which are to remain live, the water main shall be exposed a minimum of one (1) working day prior to capping for Engineer's final approval of cut location. The method of capping the mains depends on the type of existing pipe:

- Asbestos-cement pipe shall be transition flex coupling, 3-foot PVC pipe, and an MJ cap with a thrust block.
- Cast iron, ductile iron, and PVC pipe shall be capped by installing an MJ cap and a thrust block.
- Steel pipe shall be capped by stalling a blind flange, or welding on a 1/4-inch thick steel plate, and exposed metal shall be coated with epoxy.

Cut pipe, valves, tees, fittings and appurtenances to be removed as indicated on the Plans or as directed by the Engineer shall become the property of the Contractor and shall be disposed of at the Contractor's expense.

Removal of existing valves shall include removing all appurtenances associated with the valve including, but not limited to, risers, valve boxes and lids.

Payment shall be at the contract lump sum and shall include full compensation for furnishing all labor, materials, tools and equipment, and for performing all work necessary to complete this item in place.

Item No. 38 Concrete, to Remove and Replace

This item shall cover all concrete pavement replacement not specified in the previous bid items including additional sidewalk panels and concrete encountered on private property with a broom, exposed aggregate, trowel, or salt finish, required to be removed and replaced as necessary to install and connect residential water services and to abandon back yard water services. The removal and replacement of on-site concrete, decks, patios, walkways, driveways, and sidewalks in order to construct new water services, shall be paid for under this item. Limits of concrete removal and replacement shall be approved by the Engineer prior to work.

Where directed by the Engineer, the Contractor shall remove concrete pavement and replace the surface in accordance with the section of the Water Construction Requirements of these Special Provisions, entitled "Pavement Cutting and Surface Restoration" and shall be paid for under this item of the contract. Unless otherwise directed by the Engineer, newly placed concrete paving shall match existing pavement edges. Concrete shall meet the applicable portions of Sections 10, 18, 19, and 24 of the City Standard Specifications. Limits of concrete removal and replacement shall be approved by the Engineer prior to work.

Included in this item are the saw cutting, excavation, removal and disposal of existing concrete pavement. Existing manhole/vault head and covers, valve or meter box and lids, castings and other associated appurtenances shall be salvaged and reset at the proposed grades. At the Engineer's discretion, any box or lids damaged by the Contractor's operation shall be repaired or replaced by the Contractor for no additional charge.

All concrete used for surface restoration in public right-of-way shall be included in the appropriate bid items of these Special Provisions.

The quantity of concrete shown on the Proposal is for bidding purposes only. The unit price indicated will not be adjusted because the actual quantity varies from the quantity shown on the Proposal.

Payment shall be at the unit price bid per square foot of concrete to remove and replace and shall include full compensation for furnishing all labor, material, tools, equipment, incidentals and for performing all work necessary to complete this item in place.

Item No. 39 Asphaltic Concrete Pavement, to Remove and Replace

This item shall cover miscellaneous asphalt concrete pavement to remove and replace not specified in the previous bid items. This work is not shown on the Plans but shall be performed by the Contractor at the direction of the Engineer.

Where directed by the Engineer, the Contractor shall remove asphalt concrete pavement and replace the surface in accordance with the City Standard Specifications and these Special Provisions and shall be paid for under this item of the contract.

Included in this item are the saw cutting, excavation, removal and disposal of existing asphalt concrete pavement. Existing manhole/vault head and covers, valve or meter box and lids, castings and other associated appurtenances shall be salvaged and reset at the proposed grades. At the Engineers discretion, any box or lids damaged by the Contractor's operation shall be repaired or replaced by the Contractor for no additional charge.

Asphaltic concrete requiring removal and replacement for installation of the water main, water service laterals, capping and abandoning water main, connecting existing and new mains, and gate valves shall not be included in this item.

The quantity of asphalt paving shown on the Proposal is for bidding purposes only. The unit price indicated will not be adjusted because the actual quantity varies from the quantity shown on the Proposal.

Payment shall be at the unit price bid per square foot and shall include full compensation for furnishing all labor, material, tools, equipment and incidentals and for doing all work involved in concrete pavement removal and replacement as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

Item No. 40 Water Quality, to Provide

This item shall consist of furnishing, installing, and maintaining water quality control measures (BMPs) elements associated with this project in accordance with Section 16 of these Standard Specifications.

Payment shall be at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment, processing and incidentals and for doing all work involved in designing, placing and maintaining in effective condition all erosion, sediment and pollution control BMPs as specified in these Special Provisions, and as directed by the Engineer.

Item No. 41 Unsuitable Material, to Remove and Replace

This item shall consist of furnishing all labor, equipment and materials to remove and replace unsuitable materials in accordance with the requirements in Section 14-8 of the City Standard Specifications, these Special Provisions and as directed by the Engineer.

Measurement for payment for unsuitable material shall be based upon a weight of the material place based on conversion factor of 140-lbs/cf to verify unsuitable material replaced.

Payment shall be at the contract unit price bid per ton for unsuitable material removed and replaced and shall include full compensation for furnishing all labor, materials, tools and equipment, and for performing all work necessary to complete this item in place.

Item No. 42 Potholes

This item shall consist of potholing at the locations indicated on the Plans or as directed by the Engineer.

This item includes but is not limited to: traffic control, pavement sawcutting, removal and disposal of pavement materials, excavation, backfill, compaction and temporary or permanent pavement repair.

The quantity of potholes shown on the Proposal is for bidding purposes only. The unit price indicated will not be adjusted because the actual quantity varies from the quantity shown on the Proposal.

The Contractor is required to expose each utility crossing (including services) and water main tie-in locations per USA guidelines; the costs for these excavations shall be included in the price to furnish and install the new water main, services, or retrofits, and are not included in this bid item.

Payment shall be at the contract unit price bid per each pothole and shall include full compensation for furnishing all labor, materials, tools, equipment, and for performing all work necessary to complete this item in place.

Item No. 43 Trench Sheeting, Shoring, and Bracing, to Furnish and Install

This item shall consist of furnishing and installing all trench shoring, sheeting, and bracing associated with this project in accordance with the requirements of the City Standard Specifications.

Payment for trench shoring, sheeting, and bracing shall be at the contract lump sum price bid for furnishing and installing trench sheeting, shoring, and bracing and shall include full compensation for furnishing all labor, materials, tools and equipment, and for performing all work necessary to complete this item in place.

Item No. 44 Replace Traffic Signal Detector Loops

This item shall consist of furnishing and installing all necessary equipment and materials to replace any detector loops, detector hand holes, and conduit that are damaged during construction at 21st Street and 2nd Avenue, and 24th Street and 4th Avenue, as described in these Special Provisions. This item includes the replacement of detector loops, detector cables, detector hand holes, and conduit and all work shall conform to the requirements of the current City Standard Specifications.

Payment shall be at the contract unit price bid per each Traffic Loop Detector replaced and shall include full compensation for furnishing all labor, materials, tools and equipment, and for performing all work necessary to complete this item in place, including installing conduits, detector loops, detector cables and Type B detector hand holes.

Item No. 45 Union Pacific Railroad Area Work

This item shall consist of completing all work and operations within Union Pacific Railroad property and within 25-ft of the Union Pacific Railroad tracks, including, but not limited to, those items necessary for bonding, insurance, safety training, and coordination, and equipment, materials, and

personnel necessary to conform to the requirements of the current Union Pacific Railroad standards, safety requirements, and construction procedures.

City shall incur the cost for the Union Pacific Railroad permit and the Union Pacific Railroad inspector and flagman, required to complete the work within Union Pacific Railroad property and within 25-ft of the Union Pacific Railroad tracks.

Payment for Union Pacific Railroad Area Work shall be at the contract lump sum price and shall include full compensation for furnishing all labor, materials, tools and equipment, and for performing all work necessary to complete this item in place.

END OF SECTION

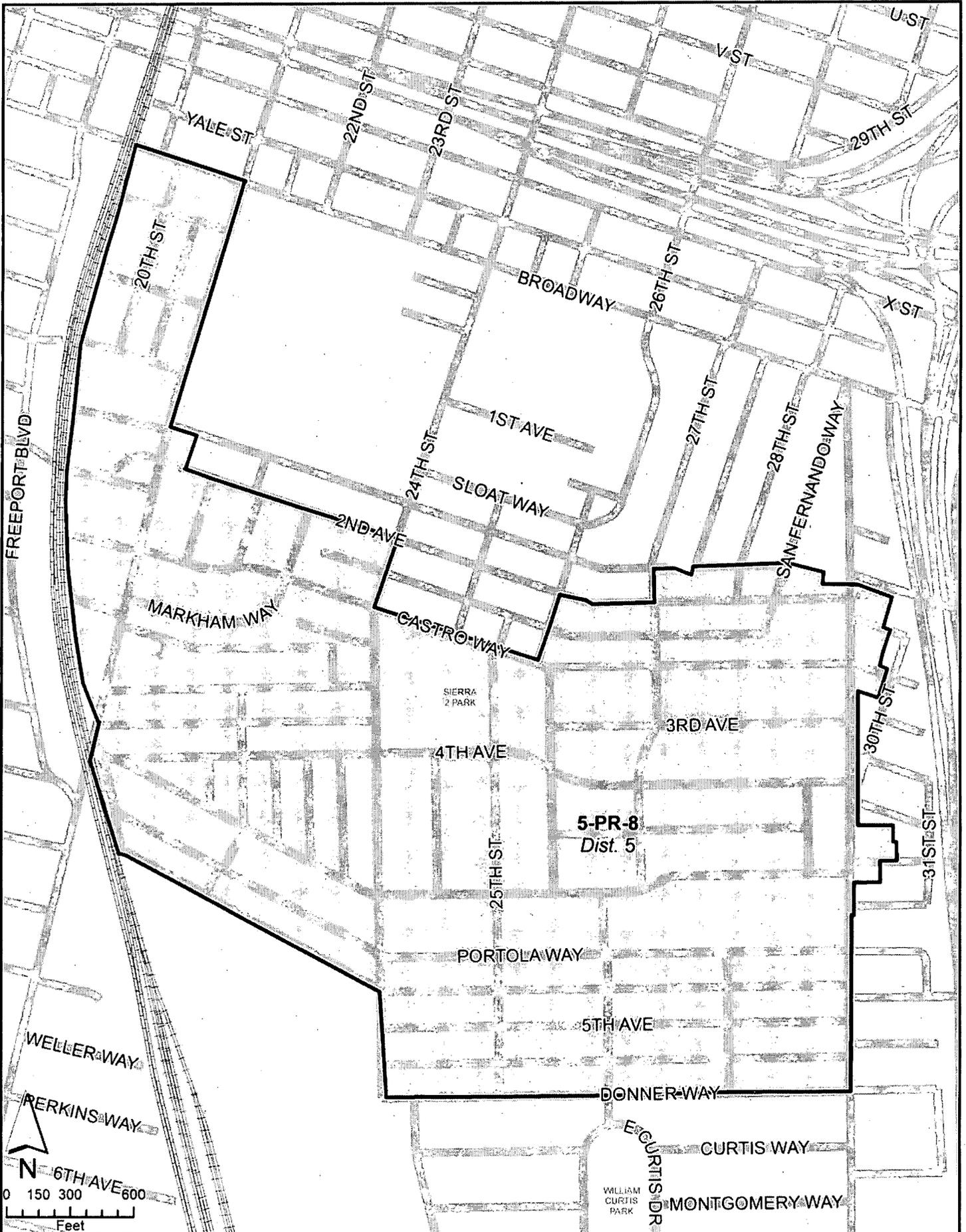
APPENDIX

- A. Project Boundary Map**
- B. Schedule of Services**
- C. Drawing Index**
- D. Notification Letters**
- E. Contractor Source Documents for Monthly Billing - Example**
- F. Sidewalk Closure Policy**
- G. Legend for Curb Stop Locations Abbreviations in Schedule of Services**
- H. Location Description Examples**
- I. Traffic Alert Form**
- J. Union Pacific Railroad Minimum Safety Requirements for Contractors**

Appendix A: Project Boundary Map

LOCATION MAP

Curtis Park Water Main Rpl Ph2



Date: 12/4/2013

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Appendix B: Schedule of Services

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
1	010-0275-012	1926	1ST AVE	1.0	1.0	RES	NO METER	1" Retrofit	7' SNC, 14' WELL	21' EWLL @ SPL of 1st	Behind Sidewalk	C-2	1	0
2	010-0275-013	1932	1ST AVE	1.0	1.0	RES	NO METER	1" Retrofit		26 1/2' NNC of 1st	Behind Sidewalk	C-2	1	0
3	010-0275-033	1933	1ST AVE	1.0	1.0	RES	NO METER	1" Retrofit	25' EWPL - 6' SNC of 1st Ave	115' WWPL of 20th on NC	Behind Sidewalk	C-2	1	0
4	010-0275-034	1947	1ST AVE	1.0	1.0	RES	NO METER	1" Retrofit		115' WWPL of 20th @ Back of Sidewalk	Behind Sidewalk	C-2	1	0
5	010-0275-035	1951	1ST AVE	1.0	1.0	RES	NO METER	1" Retrofit		10' WELL, 7' NNC of 1st (S/P)	Behind Sidewalk	C-2	1	0
6	010-0275-036	1957	1ST AVE	1.0	1.0	RES	NO METER	1" Retrofit		10' WELL, 1' NNPL of 1st, 7' NNC of 1st	Behind Sidewalk	C-2	1	0
7	010-0276-012	2001	1ST AVE	1.0	1.0	RES	NO METER	1" Retrofit			Behind Sidewalk	C-2	1	0
8	010-0276-011	2017	1ST AVE	1.0	1.0	RES	NO METER	1" Retrofit	Same & 9' EWPL of Alley	68' NNC of 1st, 52' SNLL, 1' EWPL of Alley	Unimproved Alley	C-2	1	0
9	010-0277-014	2022	1ST AVE	1.0	1.0	RES	NO METER	1" Retrofit		3' EWPL of Lot, 1' SNPL	Behind Sidewalk	C-2	1	0
10	010-0276-009	2025	1ST AVE	0.75	1.0	COM	NO METER	1" Retrofit			Unimproved Alley	C-2	1	0
11	010-0276-010	2025	1ST AVE	1.25	1.5	FIRE	NO METER	N/A		59 1/2' NNC of 1st, 2' EEPL of Alley	N/A	C-2	1	0
12	010-0277-001	2026	1ST AVE	0.75	1.0	RES	NO METER	1" Retrofit	109' WWC of 21st Av	26' EEPL of Alley, 1' SSC of 1st 15' WELL	Landscape Strip	C-2	1	0
13	010-0276-019	2547	20TH ST	1.0	1.0	RES	NO METER	1" Retrofit	5' WEPL of 20th Street	5' EEC of 20th Street & on South Curb of Burnett Way	Behind Sidewalk	C-1	1	0
14	010-0275-029	2556	20TH ST	1.0	1.0	RES	NO METER	1" Retrofit	207' NNPL of 1st Ave 2" Valve on NPL 1st Ave 10' WWCb	1) 1' wvc on sill in box (8/16/07) 2) WPL 10' WWCb 20th Street	Behind Sidewalk	C-1	1	0
15	010-0276-018	2557	20TH ST	1.0	1.0	RES	NO METER	1" Retrofit			Behind Sidewalk	C-1	1	0
16	010-0275-030	2564	20TH ST	1.0	1.0	RES	NO METER	1" Retrofit	185' NNPL of 1st Ave 2" Valve on NPL 1st Ave 10' WWCb 20th Street	NPL 10' WWCb 20th Street	Behind Sidewalk	C-1	1	0
17	010-0276-016	2565	20TH ST	0.75	1.0	RES	NO METER	1" Retrofit	6' SNLL & 34' NSLL at WPL of Alley	125' SSPL of Burnett Way	Unimproved Alley	C-1	1	0
18	010-0276-015	2567	20TH ST	1.0	1.0	RES	NO METER	1" Retrofit	133' NPL of 1st Ave 26 1/2' S of NLL	WPL of Alley	Unimproved Alley	C-1	1	0
19	010-0276-014	2571	20TH ST	1.0	1.0	RES	NO METER	1" Retrofit	124' N of N curb of 1st Ave. 114' N. of NPL of 1st Ave on WPL of Alley	1) 134' NNC of 1st Ave on WPL of alley (12/13/06) 2) 9' W of main	Unimproved Alley	C-1	1	0
20	010-0275-031	2572	20TH ST	1.0	1.0	RES	NO METER	1" Retrofit			Behind Sidewalk	C-1	1	0
21	010-0275-032	2574	20TH ST	1.0	1.0	RES	NO METER	1" Retrofit	22' NSLL & 10' WWC of 20th Street	10' WWC of 20th & On NPL of 1st Ave.	Behind Sidewalk	C-1	1	0
22	010-0276-013	2575	20TH ST	1.0 & 1.0	1.0	RES	NO METER	1" Retrofit		6' EEC of 20th Street & 2' NNC of 1st Ave.	Behind Sidewalk	C-2	2	1
23	010-0275-003	2600	20TH ST	1.0	1.0	RES	NO METER	1" Retrofit	9' EWC of 20th Street	11 1/2' SSC of 1st Ave 38' NSLL, 6' WWC of 20th Street	Behind Sidewalk	C-2	1	0
24	010-0277-013	2601	20TH ST	1.0	1.0	RES	NO METER	1" Retrofit		1' WEPL - 1' SSC of 1st Ave	Behind Sidewalk	C-2	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
25	010-0275-004	2606	20TH ST	0.75	1.0	RES	NO METER	1" Retrofit	18' NSLL, 6' WWC of 20th Street	8' EWPL of 20th Street, 21' SNLL 29' NSLL 6' WWC of 20th Street	Behind Sidewalk	C-2	1	0
26	010-0277-012	2609	20TH ST	1.0	1.0	RES	NO METER	1" Retrofit	201' NNPL of Larkin Way	EPL	Behind Sidewalk	C-2	1	0
27	010-0277-011	2617	20TH ST	1.0	1.0	RES	NO METER	1" Retrofit	200' NNPL of Larkin Way	EPL	Behind Sidewalk	C-2	1	0
28	010-0275-005	2620	20TH ST	1.0	1.0	RES	NO METER	1" Retrofit			Behind Sidewalk	C-2	1	0
29	010-0275-006	2624	20TH ST	1.0	1.0	RES	NO METER	1" Retrofit	1' SSSL, 9' WWC of 20th Street	6' WWC of 20th Street	Behind Sidewalk	C-2	1	0
30	010-0277-010	2625	20TH ST	1.0	1.0	RES	NO METER	1" Retrofit	120' NNPL of Larkin Way	EPL	Behind Sidewalk	C-2	1	0
31	010-0275-007	2626	20TH ST	1.0	1.0	RES	NO METER	1" Retrofit	82' NNPL of Larkin Way	WPL	Behind Sidewalk	C-2	1	0
32	010-0277-009	2627	20TH ST	1.0	1.0	RES	NO METER	1" Retrofit	119' NNPL of Larkin Way	EPL	Behind Sidewalk	C-2	1	0
33	010-0218-008	2530	21ST ST	1.0	1.0	COM	METERED	N/A		96' NNC of Burnett, back of Curb	N/A	C-1	1	0
34	010-0276-002	2540	21ST ST	1.0	1.0	COM	METERED	N/A		72' WWC 21st Street, 1' SSC Burnett Way	N/A	C-1	1	0
35	010-0276-003	2548	21ST ST	0.75	1.0	RES	NO METER	1" Retrofit		68' SSPL of Burnett Way on EPL o/alley in box (11/7/06)	Unimproved Alley	C-1	1	0
36	010-0276-004	2556	21ST ST	0.75	1.0	RES	NO METER	1" Retrofit	25' NSLL, 9' WEPL of Alley	25' NSLL, on EPL of Alley	Unimproved Alley	C-1	1	0
37	010-0276-005	2564	21ST ST	0.75	1.0	COM	NO METER	1" Retrofit		20' SNLL & 1' EWLL of Alley	Unimproved Alley	C-1	1	0
38	010-0276-006	2572	21ST ST	1.5	1.5	COM	NO METER	1.5" Retrofit	34' SNLL, 12' EWPL of Alley	24 1/2' of South of North side of BLDG, EPL of Alley	Unimproved Alley	C-1	1	0
39	010-0276-007	2574	21ST ST	1.0	1.0	COM	METERED	N/A	97' NNC 1st Ave. 5' NSLL	97' NNC 1st Ave. 5' NSLL, on EPL of alley	N/A	C-1	1	0
40	010-0276-008	2590	21ST ST	1.0	1.0	COM	METERED	N/A		55 1/2' WWC - 21st Street / 1' NNC 1st Ave	Landscape Strip	C-2	1	0
41	010-0277-003	2600	21ST ST	1.0	1.0	COM	METERED	N/A	37' WWC of 21st Street, 56' EWLL, 25' NSC of 1st Ave	37' WWC of 21st Street, 1' SSC of 1st Ave in box.	Landscape Strip	C-2	1	0
42	010-0277-002	2604	21ST ST	1.5 & 1.0	1.5	COM	NO METER	1.5" Retrofit	16' WWC of 21st street - 4' SNC of 1st Ave	31' SNC of 1st Ave - 14' WWC of 21st Street	Landscape Strip	C-2	2	1
43	010-0277-015	2620	21ST ST	1.5	1.5	COM	METERED	N/A	97' WWPL of 21st St, Or 111' WWC of 21st St	110' WWC of 21st Street, 1/2' NNC of Larkin Way	N/A	C-2	1	0
44	010-0337-058	2650	21ST ST	2.0 & 1.5	2.0 & 1.5	COM	METERED	N/A / 1.5" Retrofit (1)	54' WWC 21st St, 78' EWLL, 6' SNC Larkin Way	54' WWC 21st St, 78' EWLL, 1' SSC Larkin Way	Landscape Strip	C-2 & 3	2	0
45	010-0337-008	2660	21ST ST	1.0	1.0	RES	NO METER	1" Service w/ Meter		32' EWLL, 67' WWPL of 21st & 1' Behind Curb	Landscape Strip	C-3	1	0
46	010-0341-014	2661	21ST ST	1.0	1.0	COM	METERED	1" Service to Meter Box		86' EEC of 21st Street - 2' NNPL of sloat (standpipe in alley)	In Sidewalk	C-3	1	0
47	010-0337-057	2664	21ST ST	1.0	1.0	RES	NO METER	1" Service w/ Meter	1' WWPL of 21st Street	52' SSPL of Sloat Way, or 42' NNC of 2nd Avenue, 2' WWC of 21st Street	Landscape Strip	C-3	1	0
48	010-0341-013	2667	21ST ST	1.0	1.0	COM	METERED	1" Service to Meter Box		52' SSPL of Sloat Way & 1' WWC of 21st Street	In Sidewalk	C-3	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
49	010-0341-012	2673	21ST ST	1.0	1.0	COM	METERED	1" Service to Meter Box		103' NNPL of 2nd Ave. or 23' NNLL, 2 1/2' WWC of 21st Street	In Sidewalk	C-3	1	0
50	012-0051-001	2700	21ST ST	1.0	1.0	RES	NO METER	1" Service w/ Meter		79' WWC of 21st Street & 9' SSC of 2nd Ave	Landscape Strip	C-3	1	0
51	010-0342-010	2701	21ST ST	1.0	1.0	COM	METERED	1" Service to Meter Box	77' SSC of 2nd Ave 10' WEC of 21st Street	77 1/2' SSC of 2nd Ave & 2' EEC of Freeport Blvd	Landscape Strip	C-3	1	0
52	012-0051-002	2704	21ST ST	0.75	1.0	RES	NO METER	1" Service w/ Meter			Landscape Strip	C-3	1	0
53	012-0051-003	2708	21ST ST	1.0	1.0	RES	NO METER	1" Service w/ Meter		149' SSC of 2nd Av - 1' WWC of 21st Street in S/P	Landscape Strip	C-3	1	0
54	012-0051-004	2712	21ST ST	1.0	1.0	RES	NO METER	1" Service w/ Meter		21' NSLL & 1' WWC of 21st Street	Landscape Strip	C-3	1	0
55	012-0051-005	2718	21ST ST	0.75	1.0	RES	NO METER	1" Service w/ Meter	39' NNC of Castro & 11 1/2' WEC of 21st Street	1 1/2' WWC of 21st St on SLL of address	Landscape Strip	C-7	1	0
56	012-0051-006	2720	21ST ST	1.0 & 0.75	1.0	RES	NO METER	1" Service w/ Meter	38' NNC of Castro, 11 1/2' WEC of 21st Street	1 1/2' WWC of 21st Street & on NLL	Landscape Strip	C-7	2	1
57	010-0342-011	2725	21ST ST	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW		88' NNC of Castro, 21' NNLL of Florance & 18" West of ROW	Landscape Strip	C-3	1	0
58	012-0052-014	2730	21ST ST	0.75	1.0	RES	NO METER	1" Service w/ Meter		53' SSC of Castro Way & 14' WEC of 21st Street	Landscape Strip	C-7	1	0
59	013-0021-024	2735	21ST ST	1.5 & 1.5	1.5 & 1.5	RES	NO METER	1.5" Relocate to Street ROW (2)	37' EEC of 21st Street & 43' WELL	Same as corp. & 8' NSLL	Landscape Strip	C-7	2	0
60	012-0052-002	2738	21ST ST	0.75	1.0	RES	NO METER	1" Service w/ Meter	131' SSPL of Castro Way, 1' Back of Curb	11' SSLL, 1' WWC in s/p	Landscape Strip	C-7	1	0
61	012-0052-003	2744	21ST ST	1.5	1.5	RES	NO METER	1.5" Service w/ Meter	39' EEC of 21st Street & 32' WELL & 4' NNPL	Same as corp & 2' SNPL	Landscape Strip	C-7	1	0
62	012-0052-004	2748	21ST ST	0.75	1.0	RES	NO METER	1" Service w/ Meter	59' NNC of Markham Way & 40' EEC of 21st Street	3' SSLL, 46' SNLL & 1' WWC of 21st Street	Landscape Strip	C-7	1	0
63	012-0052-005	2752	21ST ST	1.0 & 0.75	1.0	RES	NO METER	1" Service w/ Meter	58' NNC of Markham Way & 40' EWC of 21st Street	57' NNC of Markham Way. & 1' WWC of 21st Street 2' SNLL in Standpipe	Landscape Strip	C-7	2	1
64	012-0053-001	2760	21ST ST	0.75	1.0	COM	METERED	N/A			Landscape Strip	C-7	1	0
65	013-0022-001	2761	21ST ST	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap	47' EEC of 21st - 8' SSLL	14' WELL - 1' NSLL in Box	Landscape Strip	C-7	1	0
66	013-0022-059	2763	21ST ST	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap		39' WELL - 2' NSPL of Alley	Landscape Strip	C-7	1	0
67	013-0022-058	2765	21ST ST	1.0	1.0	RES	NO METER	1" Retrofit	173' NNPL of 3rd Avenue	1) 1' WEC on SLL in s/p (1/12/06) 2) 1' WEC on SLL in s/p (1/11/06) 3) 1' E curb of 21st Street on SLL	Landscape Strip	C-7	1	0
68	012-0053-002	2766	21ST ST	0.75	1.0	RES	NO METER	1" Retrofit		3' NNPL - 1' WWC of 21st Street in Standpipe	Landscape Strip	C-7	1	0
69	013-0022-057	2769	21ST ST	1.0	1.0	RES	NO METER	1" Retrofit		1) 1' EEC NPL in SP (9/7/06) 2) 3' SNLL - 1' EEC in C/S box	Landscape Strip	C-7	1	0
70	012-0053-003	2770	21ST ST	0.75	1.0	RES	NO METER	1" Retrofit	6' NSLL - 11' WEC of 21st Street	1' WWC of 21st Street & on SLL	Landscape Strip	C-7	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
71	012-0053-011	2774	21ST ST	0.75	1.0	COM	METERED	N/A	On NPL - 11' WEC of 21st	14' SNLL & 1' WWC of 21st Street	Landscape Strip	C-7	1	0
72	013-0022-056	2775	21ST ST	1.0 & 1.0	1.0	RES	NO METER	1" Retrofit	6' EEC 21st Street	18' NSLL - 1' EEC of 21st St in S/P	Landscape Strip	C-8	2	1
73	013-0022-055	2781	21ST ST	1.0	1.0	RES	NO METER	1" Retrofit	17 1/2' NNCb. 3rd Ave. & 1' N. of Tee on F.H. branch	2' EE Cb. 21st Street	Landscape Strip	C-8	1	0
74	012-0053-006	2782	21ST ST	1.0	1.0	COM	METERED	N/A		45' SNLL & 2' WWC of Freeport Blvd.	Landscape Strip	C-8	1	0
75	012-0053-007	2786	21ST ST	0.75	1.0	COM	METERED	N/A		1' WWC & 9' NSLL of 21st Street	Landscape Strip	C-8	1	0
76	012-0053-008	2790	21ST ST	0.75	1.0	COM	METERED	N/A	150' South of Shasta Ice Cream, West of 21st Street	50' North of W.P. Tracks	Landscape Strip	C-8	1	0
77	013-0031-002	2801	21ST ST	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap		1) 9' EEC of 21st St - 1' NNPL o/alley in box (7/27/06) 2) 9' EEC on NPL in alley o/address (6/21/06)	Landscape Strip	C-8	1	0
78	013-0031-001	2815	21ST ST	1.0 & 1.0	1.0	RES	NO METER	1" Hybrid		7' SNPL of Alley, btwn 3rd & 4th Ave on EPL o/21st St	Landscape Strip	C-8	2	1
79	013-0031-030	2827	21ST ST	1.0	1.0	RES	NO METER	1" Hybrid	SPL of Alley	25' EWLL, 1' SSPL of Alley	Landscape Strip	C-8	1	0
80	013-0061-025	2917	21ST ST	1.0	1.0	RES	NO METER	1" Retrofit		47' NNC of Portole & 1' EEC of 21st Street	Landscape Strip	C-8	1	0
81	010-0218-007		21ST ST	2.0	2.0	NOT IN USE	NO METER	N/A			N/A	C-1	1	1
82	010-0343-001	2700	22ND ST	1.0	1.0	RES	NO METER	1" Hybrid	39' SSPL, 51 1/2' SSC of 2nd Ave. 9' NSLL	7' NSLL, 7' EWLL in Standpipe	Landscape Strip	C-3	1	0
83	010-0343-002	2704	22ND ST	1.0	1.0	RES	NO METER	1" Hybrid	96 1/2' SSC, 84 1/2' SSPL & 2nd Ave 7 1/2' NSLL, 6' E of ROW	1) 9' NSLL, 8' EWPL IN BOX (7/22/06) 2) 7 1/2' NSLL 4EWPL of ROW	Behind Sidewalk	C-3	1	0
84	010-0345-011	2705	22ND ST	1.0	1.0	RES	NO METER	1" Hybrid	76' SSPL of 2nd Ave.	1) 27' snll - 4' well in box (1/16/07) 2) West Rt. of Way	Behind Sidewalk	C-3	1	0
85	010-0343-003	2708	22ND ST	0.75	1.0	RES	NO METER	1" Hybrid	42' EWPL of 3712 22nd Street, 1' SNLL	41' EWPL of 3708 22nd Street, 2' NSLL in C/S Box	In Sidewalk	C-7	1	0
86	010-0345-010	2709	22ND ST	1.0	1.0	RES	NO METER	1" Hybrid	1) 71' EEPL @ SPL (6/17/07) 2) 71' EEPL of 22nd Street	1) 71' EEPL @ SPL (6/17/07) 2) North Rt. of Way	In Sidewalk	C-7	1	0
87	010-0343-004	2712	22ND ST	1.0 & 1.0	1.0	RES	NO METER	1" Hybrid		3' EWLL & 44' NSLL	In Sidewalk	C-7	2	1
88	010-0345-009	2713	22ND ST	1.0	1.0	RES	NO METER	1" Hybrid	52' E of EPL of 22nd Street in Right of Way	49' E of EPL of 22nd Street and on NLL	In Sidewalk	C-7	1	0
89	010-0343-005	2716	22ND ST	1.0	1.0	RES	NO METER	1" Hybrid	23' NSLL & 2 1/2' EWLL	23' NSLL & 6' EWLL	In Sidewalk	C-7	1	0
90	010-0345-008	2717	22ND ST	1.0	1.0	RES	NO METER	1" Hybrid	81' NNPL Castro Way 13 1/2' S of N Lot line	5' W of E lot line & 1' 1" copper pipe	In Sidewalk	C-7	1	0
91	010-0343-006	2720	22ND ST	1.0 & 1.0	1.0	RES	NO METER	1" Hybrid		8' NSPL - 5' EWLL	In Sidewalk	C-7	2	1
92	010-0345-007	2721	22ND ST	1.0	1.0	RES	NO METER	1" Hybrid		23 1/2' NNC of Castro Way, 28 1/2' WELL, 5 1/2' WELL Under Garage	In Sidewalk	C-7	1	0
93	010-0343-007	2724	22ND ST	1.0	1.0	RES	NO METER	1" Hybrid	18' SNLL 1' E of ROW	76 1/2' NNPL, 81' NNC of Castro Way 3' E & ROW	In Sidewalk	C-7	1	0
94	013-0031-012	2800	22ND ST	1.0 & 1.0	1.0	RES	NO METER	1" Service w/ Meter w/ Hot Tap	9' WWC of 22nd Street - 6' SNPL of Alley	9' WWC of 22nd Street - 2' SNPL of Alley in C/S Box	Landscape Strip	C-8	2	1

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
95	013-0031-013	2808	22ND ST	1.0	1.0	RES	NO METER	1" Service w/ Meter w/ Hot Tap	6' WWC of 22nd Street - 6' SNPL of Alley	6' WWC of 22nd Street - 2' SNPL of Alley in C/S Box	Landscape Strip	C-8	1	0
96	013-0031-014	2816	22ND ST	1.5	1.5	RES	NO METER	1.5" Service w/ Meter w/ Hot Tap		74' WWC 1' SPL in alley in box of 22nd st	Landscape Strip	C-8	1	0
97	013-0033-001	2817	22ND ST	1.0 & 0.75	1.0	RES	NO METER	1" Retrofit	8' WELL, 6' SNPL of Alley	24' EEC of 22nd Street & 1' SNPL In Standpipe 8' WELL	Landscape Strip	C-8	2	1
98	013-0031-015	2824	22ND ST	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap	25' WW curb of 22nd Street	2' S of SPL of Alley	Landscape Strip	C-8	1	0
99	013-0033-035	2847	22ND ST	1.0	1.0	RES	NO METER	1" Hybrid	4' WELL - 72' EEC 22nd Street 12' NSPL Alley	3' WELL - 73' EEC 22nd Street 2' SSPL Alley	Landscape Strip	C-8	1	0
100	013-0034-006	2901	22ND ST	1.0	1.0	RES	NO METER	1" Service w/ Meter		51 1/2' EEPL, 6' WELL & 1' SSC of 4th Ave.	Landscape Strip	C-8	1	0
101	013-0032-007	2916	22ND ST	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap	75' NNPL of Marshall	East Alley line	Landscape Strip	C-8	1	0
102	013-0034-005	2921	22ND ST	1.0	1.0	RES	NO METER	1" Retrofit		1' NSLL, 1' EEC in box	Landscape Strip	C-8	1	0
103	013-0034-004	2929	22ND ST	1.0	1.0	RES	NO METER	1" Retrofit	24' WEC of 22nd Street	17' NLL, 23' NSLL & 1' EEC of 22nd Street Standpipe	Landscape Strip	C-8	1	0
104	013-0071-009	2939	22ND ST	0.75	1.0	RES	NO METER	1" Retrofit		9' SNLL - 1' EEC in box	Landscape Strip	C-8	1	0
105	013-0071-008	2943	22ND ST	1.5	1.5	RES	NO METER	1.5" Retrofit			Landscape Strip	C-12	1	0
106	013-0071-007	2944	22ND ST	1.5	1.5	RES	NO METER	1.5" Retrofit		1) service #1: 31' EEC of 22nd St., 1' NNC of Marshall in box (10/25/05); service #2: 45' SNLL, 1' EEC 22nd St. in box (10/25/05) 2) W.V. 81' EEC of 22nd Street & 1' NNC of Marshall Way on S/P. Service: 45' SNLL, Back of Curb of 22nd Street	Landscape Strip	C-12	1	0
107	013-0061-013	2950	22ND ST	1.0	1.0	RES	NO METER	1" Retrofit		83' WWC of 22nd Street - 2' SSC of Marshall	Landscape Strip	C-12	1	0
108	010-0345-001	2700	23RD ST	0.75	1.0	RES	NO METER	1" Hybrid	38' South of SPL 2nd Ave	East side of Rt. of Way	In Sidewalk	C-3	1	0
109	010-0346-001	2701	23RD ST	1.0	1.0	RES	NO METER	1" Hybrid	38' SSPL 2nd Ave.	38' SSPL 2nd Ave., West line of Rt. of Way	In Sidewalk	C-4	1	0
110	010-0345-002	2704	23RD ST	1.0	1.0	RES	NO METER	1" Hybrid	23' SNLL 4' WWLL	23' SNLL 2' EWPL	In Sidewalk	C-7	1	0
111	010-0346-021	2705	23RD ST	0.75	1.0	RES	NO METER	1" Hybrid		12' NSLL & 2' WEPL in s/p	In Sidewalk	C-7	1	0
112	010-0345-003	2708	23RD ST	1.0	1.0	RES	NO METER	1" Hybrid		59' WWC of 23rd Street - 1' NSPL	In Sidewalk	C-7	1	0
113	010-0346-020	2709	23RD ST	0.75	1.0	RES	NO METER	1" Hybrid	68' EEPL of 23rd Street	68' EEPL of 23rd Street - North Rt. of Way	In Sidewalk	C-7	1	0
114	010-0345-004	2712	23RD ST	0.75	1.0	RES	NO METER	1" Hybrid	69' WWC & 1' NNLL of 23rd Street	69' WWC & 2' SNLL of 23rd Street	In Sidewalk	C-7	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
115	010-0346-019	2713	23RD ST	0.75	1.0	RES	NO METER	1" Hybrid		16' NSLL & 2' WEPL of 23rd Street	In Sidewalk	C-7	1	0
116	010-0345-005	2716	23RD ST	0.75	1.0	RES	NO METER	1" Hybrid	3' WWLL & 14' SNLL of 23rd Street	14' SNLL & 1' EWLL of 23rd Street in box	In Sidewalk	C-7	1	0
117	010-0346-018	2717	23RD ST	1.0	1.0	RES	NO METER	1" Hybrid		27' SNLL & 7' WEPL of 23rd Street	In Sidewalk	C-7	1	0
118	010-0346-017	2721	23RD ST	1.0	1.0	RES	NO METER	1" Hybrid	3/4" GV is 18' NNPL of Castro Way	East Rt. of Way	In Sidewalk	C-7	1	0
119	013-0034-002	2900	23RD ST	1.0	1.0	RES	NO METER	1" Service w/ Meter		45' NSLL - 1' WWC	Landscape Strip	C-8	1	0
120	013-0035-006	2917	23RD ST	1.0	1.0	RES	NO METER	1" Hybrid	102' SSPL of 4th Avenue - 21' SNLL - 19' NSLL - 40' Lot	1' WWPL of the Alley	Landscape Strip	C-8	1	0
121	013-0035-005	2929	23RD ST	0.75	1.0	RES	NO METER	1" Hybrid	118' SSPL 4th Ave	WPL	Landscape Strip	C-8	1	0
122	013-0034-003	2930	23RD ST	1.0	1.0	RES	NO METER	1" Service w/ Meter	136' S of SPL of 4th Avenue Also 24' 6" N. of S. line of lot	Back of W Curb of 23rd Street	Landscape Strip	C-8	1	0
123	013-0072-017	2933	23RD ST	0.75	1.0	RES	NO METER	1" Hybrid	178' SSPL 4th Avenue	WPL Alley	Landscape Strip	C-8	1	0
124	013-0071-001	2934	23RD ST	1.0	1.0	RES	NO METER	1" Service w/ Meter		27 1/2' NSLL 12 1/2' SNLL & 1' WWC of 23rd Street	Landscape Strip	C-8	1	0
125	013-0071-002	2940	23RD ST	1.0	1.0	RES	NO METER	1" Service w/ Meter	224' SSPL of 4th Ave.	West Curb of 23rd Street	Landscape Strip	C-12	1	0
126	013-0072-016	2941	23RD ST	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW		200' SSPL o/4th Ave - 214' SSC o/4th Ave	Landscape Strip	C-12	1	0
127	013-0071-003	2950	23RD ST	1.0	1.0	RES	NO METER	1" Service w/ Meter			Landscape Strip	C-12	1	0
128	013-0072-015	2951	23RD ST	1.0	1.0	RES	NO METER	1" Hybrid		1' NSLL on WPL of Alley	Landscape Strip	C-12	1	0
129	013-0071-004	2956	23RD ST	1.0	1.0	RES	NO METER	1" Service w/ Meter	6' WWC of 23rd	22' NSLL - 1' WWC of 23rd in Box	Landscape Strip	C-12	1	0
130	013-0072-014	2957	23RD ST	0.75	1.0	RES	NO METER	1" Hybrid	288' SSPL 4th Ave	2' sNLL @WPL	Landscape Strip	C-12	1	0
131	013-0072-013	2965	23RD ST	1.0	1.0	RES	NO METER	1" Hybrid		157' NNPL Marshall Way	Landscape Strip	C-12	1	0
132	013-0072-012	2973	23RD ST	1.5 & 1.0	1.5	RES	NO METER	1.5" Relocate to Street ROW	153' NNPL Marshall Way	WPL	Landscape Strip	C-12	2	1
133	010-0346-023	2700	24TH ST	2.0	2.0	COM	METERED	2" Relocate to Street ROW w/ Meter Relocate	6' SNPL of Alley - 75' WWC of 24th Street	75' WWC of 24th Street - 2' SNPL of Alley	Landscape Strip	C-4	1	0
134	010-0346-009	2724	24TH ST	1.0	1.0	COM	METERED	1" Service to Meter Box	48' WWPL of 24th Street	North Alley line	Landscape Strip	C-4	1	0
135	010-0346-010	2740	24TH ST	1.0	1.0	COM	METERED	1" Service to Meter Box		57' WWC of 24th Street - @ Pl of Alley (Stand pipe) (next to Bldg. 2724 - 24th Street)	Landscape Strip	C-4	1	0
136	013-0022-062	2750	24TH ST	1.0	1.0	COM	METERED	N/A		58' EWLL & 1' SSPL Alley	N/A	C-7	1	0
137	013-0022-027	2776	24TH ST	1.0	1.0	RES	NO METER	1" Hybrid	10 1/2' WWPL of 24th Street	SPL of Alley	Landscape Strip	C-4	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
138	013-0022-028	2782	24TH ST	1.0	1.0	RES	NO METER	1" Hybrid		WV: 25" WWC o/24th St - 1.5' SSPL o/Sakura Ln in box	Landscape Strip	C-4	1	0
139	013-0022-029	2786	24TH ST	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW		101' NNPL of 3rd Ave EPL on Alley	Landscape Strip	C-9	1	0
140	013-0022-030	2790	24TH ST	1.5	1.0	RES	NO METER	1" Retrofit	66 1/2' WW Curb of 24th Street 62' 1/2' WWPL of 24th Street	N Curb of 3rd Avenue	Landscape Strip	C-9	1	0
141	013-0041-001	2791	24TH ST	2.0	2.0	COM	NO METER	2" Retrofit	111'SSC of Castro, 6'6"WEC	111'SSC of Castro, 6'EEC of 24th St in meter box	Landscape Strip	C-4	1	0
142	013-0041-001	2795	24TH ST	2.0 & 2.0	2.0 & 2.0	COM	METERED	N/A			Behind Sidewalk	C-9	2	0
143	013-0033-014	2820	24TH ST	0.75	1.0	RES	NO METER	1" Hybrid	35' E of WLL	5' North of main	Landscape Strip	C-9	1	0
144	013-0033-015	2824	24TH ST	1.0	1.0	RES	NO METER	1" Hybrid	70' WWC of 24th Street - 6' SNPL of Alley	70' WWC of 24th Street - on SPL in Box	Landscape Strip	C-9	1	0
145	013-0081-024	2901	24TH ST	1.0	1.0	RES	NO METER	1" Hybrid	8" valve is 192' NNC of Broad way 4'6" EEC of 4th Street	8" x 8" tee is -192' NNC of Broadway & 6'6" EWC of 4th street	Behind Sidewalk	C-9	1	0
146	013-0081-023	2907	24TH ST	1.0	1.0	RES	NO METER	1" Hybrid	47' SNLL & 3' NSLL & 4' EEPL	47' SNLL & 3' NSLL & 2' WEPL	Behind Sidewalk	C-9	1	0
147	013-0035-003	2908	24TH ST	1.0	1.0	RES	NO METER	1" Hybrid	121 1/2' SS Curb of 4th Avenue 11 1/2' NSPL of Lot	EPL of Alley	Landscape Strip	C-9	1	0
148	013-0081-022	2911	24TH ST	1.0	1.0	RES	NO METER	1" Hybrid		31' NSLL & 2' WELL	Behind Sidewalk	C-9	1	0
149	013-0035-004	2912	24TH ST	1.0	1.0	RES	NO METER	1" Hybrid			Landscape Strip	C-9	1	0
150	013-0081-021	2915	24TH ST	1.0	1.0	RES	NO METER	1" Hybrid		19' NSLL & 3' WEPL of 24th Street	Behind Sidewalk	C-9	1	0
151	013-0072-001	2916	24TH ST	0.75	1.0	RES	NO METER	1" Hybrid	200' SSPL 4th Ave	1) 1' NSLL - 1' EEPL alley (12/13/06) 2) EPL 23rd & 24th Alley	Landscape Strip	C-9	1	0
152	013-0072-002	2920	24TH ST	1.5	1.0	RES	NO METER	1" Hybrid		38' SNLL on EPL of Alley	Landscape Strip	C-9	1	0
153	013-0081-020	2921	24TH ST	1.0	1.0	RES	NO METER	1" Hybrid	262' SS curb of 4th Ave, 7 1/2' NSPL of Lot	5 1/2' W of main	Behind Sidewalk	C-9	1	0
154	013-0081-019	2923	24TH ST	1.0	1.0	RES	NO METER	1" Hybrid	294' SS Curb of 4th Ave 24 1/2' NSPL of Lot	EPL of Lot	Behind Sidewalk	C-13	1	0
155	013-0072-003	2926	24TH ST	1.0	1.0	RES	NO METER	1" Hybrid	29' NSLL - 5' EWPL of Alley	29' NSLL - 1' WEPL	Landscape Strip	C-13	1	0
156	013-0081-018	2927	24TH ST	0.75	1.0	RES	NO METER	1" Hybrid	10' SNLL, 2' EWPL of 2928 Highland	42' NSLL, 10' SNLL, 1' WEPL in standpipe in R.O.W.	Behind Sidewalk	C-13	1	0
157	013-0081-017	2931	24TH ST	0.75	1.0	RES	NO METER	1" Hybrid		4' SNLL 1 1/2' WEPL	Behind Sidewalk	C-13	1	0
158	013-0072-004	2932	24TH ST	1.25	1.0	RES	NO METER	1" Hybrid	173' NNC of Marshall - 6' EWPL of Alley behind 2973 23rd Street	11' NSLL & on EPL of Alley in Box	Landscape Strip	C-13	1	0
159	013-0081-016	2935	24TH ST	0.75	1.0	RES	NO METER	1" Hybrid	166' NNPL Marshall Way	None	Behind Sidewalk	C-13	1	0
160	013-0072-005	2936	24TH ST	1.0	1.0	RES	NO METER	1" Hybrid	17' SNLL, 1 1/2' EPL of Alley	17' SNLL, 14 1/2' WEPL of Alley	Landscape Strip	C-13	1	0
161	013-0081-015	2939	24TH ST	0.75	1.0	RES	NO METER	1" Hybrid		24' SNLL / 2' WELL	Behind Sidewalk	C-13	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
162	013-0072-006	2942	24TH ST	1.0	1.0	RES	NO METER	1" Hybrid		29' NSLL, on the EPL Alley in SP	Landscape Strip	C-13	1	0
163	013-0081-014	2947	24TH ST	1.0	1.0	RES	NO METER	1" Hybrid			Behind Sidewalk	C-13	1	0
164	013-0081-013	2953	24TH ST	1.0	1.0	RES	NO METER	1" Hybrid	24' NNPL Marshall Way	West Line of Rt. of Way	Landscape Strip	C-13	1	0
165	013-0072-007	2954	24TH ST	1.0	1.0	RES	NO METER	1" Retrofit			Landscape Strip	C-13	1	0
166	013-0111-019	2961	24TH ST	1.0	1.0	NOT IN USE	NO METER	N/A	116' SSPL Marshall Way	EPL of 24th Street	N/A	C-13	1	1
167	013-0112-002	2981	24TH ST	0.75	1.0	RES	NO METER	1" Hybrid		17' NSLL, 6' EEC of 24th Street	Behind Sidewalk	C-16	1	0
168	013-0112-001	2983	24TH ST	1.0	1.0	RES	NO METER	1" Service w/ Meter	65' EEPL 24th Street	NPL Portola Way & 5th Ave Alley	Unimproved Alley	C-16	1	0
169	013-0074-021	2988	24TH ST	1.0 & 1.0	1.0	RES	NO METER	1" Service w/ Meter	5' NSL of 2981 24th Street; 3' WEC 28th Street 75' SSPL of Portala Way 85' SNPL of Portala Way (Easterly)	31' 6" SNLL 1' WW Curb of 24th Street	Landscape Strip	C-16	2	1
170	013-0201-023	3035	24TH ST	1.0	1.0	RES	NO METER	1" Retrofit		48' EEPL of 24th Street - on SPL of Alley	Unimproved Alley	C-16	1	0
171	013-0201-001	3048	24TH ST	1.0	1.0	RES	NO METER	1" Retrofit	7' EWC 24th Street 2' NSLL	7' WWC 24th Street on SLL	Unimproved Alley	C-16	1	0
172	013-0042-016	2749	25TH ST	1.0	1.0	RES	NO METER	1" Hybrid	25' SSPL of Castro Way 17' 6" NSLL & WEPL Backyard	West Rt. of Way 17' 6" NSLL & 5' 6" WEPL	Behind Sidewalk	C-5	1	0
173	013-0042-015	2755	25TH ST	1.0	1.0	RES	NO METER	1" Hybrid	60' SSC of Castro - 2' WWLL	1) 16' NSLL - 6' WEPL ROW in SP (7/26/06) 2) 16' NSLL - 33' SNLL - 5' WEPL in SP	Behind Sidewalk	C-9	1	0
174	013-0042-014	2761	25TH ST	1.0	1.0	RES	NO METER	1" Hybrid		8' WELL - 2' SNLL - Castro	Behind Sidewalk	C-9	1	0
175	013-0042-013	2763	25TH ST	1.0	1.0	RES	NO METER	1" Hybrid	36' 6" SNLL or 14' NSLL or 4' 6" WEPL of Right of Way	36' 6" SNLL or 17' NSLL or 7' 6" WEPL of Right of Way	Behind Sidewalk	C-9	1	0
176	013-0042-012	2765	25TH ST	1.0	1.0	RES	NO METER	1" Hybrid	25' SNLL	S/O - 3' EWLL	Behind Sidewalk	C-9	1	0
177	013-0042-011	2773	25TH ST	0.75	1.0	RES	NO METER	1" Hybrid	1' SNLL & 3' WEPL of Lot		Behind Sidewalk	C-9	1	0
178	013-0042-010	2801	25TH ST	1.5	1.0	RES	NO METER	1" Hybrid	22' NSLL, 4' WEPL	22' NSLL, 7' WEPL in Box	Behind Sidewalk	C-9	1	0
179	013-0082-001	2900	25TH ST	1.0	1.0	RES	NO METER	1" Hybrid	63' SSPL 4th Ave	East line of Rt. of Way	Behind Sidewalk	C-9	1	0
180	013-0083-021	2901	25TH ST	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW		53' SSC of 4th Ave, 6' WEPL	Behind Sidewalk	C-9	1	0
181	013-0082-002	2908	25TH ST	1.0 & 1.0	1.0	RES	NO METER	1" Hybrid	98' SSPL of 4th Ave	East Rt. of Way	Behind Sidewalk	C-9	2	1
182	013-0083-020	2909	25TH ST	1.5 & 1.0	1.5	RES	NO METER	1.5" Relocate to Street ROW		22' SNLL & 3' WELL in Box	Behind Sidewalk	C-9	2	1
183	013-0083-019	2911	25TH ST	1.5	1.0	RES	NO METER	1" Hybrid		29' NSLL & 2' WELL	Behind Sidewalk	C-9	1	0
184	013-0082-003	2912	25TH ST	1.0	1.0	RES	NO METER	1" Hybrid		4' NSLL - in ROW	Behind Sidewalk	C-9	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
185	013-0083-018	2915	25TH ST	1.0 & 1.0	1.0	RES	NO METER	1" Hybrid	171' SSP Lot 4th Ave.	None	Behind Sidewalk	C-9	2	1
186	013-0082-004	2916	25TH ST	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW	16' NSLL, 1' EWLL	16' NSLL, 3' EWLL	Behind Sidewalk	C-9	1	0
187	013-0082-005	2920	25TH ST	1.0	1.0	RES	NO METER	1" Hybrid	237' SS curb of 4th Ave	9' W. of 6" main	Behind Sidewalk	C-9	1	0
188	013-0083-017	2921	25TH ST	1.0	1.0	RES	NO METER	1" Hybrid	36' NSLL, 14' SNLL, 1' EELL		Behind Sidewalk	C-9	1	0
189	013-0083-016	2923	25TH ST	1.0	1.0	RES	NO METER	1" Hybrid	31' SNLL 39' NSLL 5' EELL	Same as corp cock 5' W of main at ELL	Behind Sidewalk	C-13	1	0
190	013-0082-006	2926	25TH ST	2.0	1.5	RES	NO METER	1.5" Relocate to Street ROW	2' EWLL, 38' SNLL	4' EWLL, 38' SNLL	Behind Sidewalk	C-13	1	0
191	013-0083-015	2929	25TH ST	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW		36' NSPL of Lot, 2' WEPL of Lot	Behind Sidewalk	C-13	1	0
192	013-0082-007	2932	25TH ST	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW	2' EWLL & 23rd NSLL	Gate Valve, 23rd NSLL & 5' EWLL	Behind Sidewalk	C-13	1	0
193	013-0082-008	2936	25TH ST	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW	180' NNPL of Marshall Way	wv= 25' NSLL, 4' 8" EWPL in a box	Behind Sidewalk	C-13	1	0
194	013-0083-014	2939	25TH ST	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW		1) 1.5" W/V is 46' SNLL, 1' WEPL in box (11/22/05) 2) 54' NSLL, 1' WEPL in s/p (11/14/05) 3) 1.5" W/V is 46' SNLL, 1' WEPL in box (9/30/05)	Behind Sidewalk	C-13	1	0
195	013-0082-009	2942	25TH ST	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW		20' NSLL, 5' EWPL	Behind Sidewalk	C-13	1	0
196	013-0083-013	2947	25TH ST	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW	21' NSLL, 7' EEPL	21' NSLL, 1' WEPL in Standpipe	Behind Sidewalk	C-13	1	0
197	013-0082-010	2948	25TH ST	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW		9' NSLL, 3' EWPL (Inside Garage) in Standpipe	Behind Sidewalk	C-13	1	0
198	013-0083-012	2953	25TH ST	2.0	1.0	RES	NO METER	1" Hybrid	8' SNLL, 8 1/2' EELL	w/v - 7' SNLL, 4' WEPL in ROW in standpipe	Behind Sidewalk	C-14	1	0
199	013-0082-011	2954	25TH ST	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW		37' NNPL of Marshall Way, 3' EWPL in ROW, Valve 7" 6" EWPL in ROW	Behind Sidewalk	C-13	1	0
200	013-0113-018	2961	25TH ST	1.0	1.0	RES	NO METER	1" Retrofit		13' WELL, NPL of Alley	Behind Sidewalk	C-13	1	0
201	013-0203-001	3017	25TH ST	1.0	1.0	RES	NO METER	1" Retrofit	NPL of Alley	32' WELL - NPL of Alley	Unimproved Alley	C-16	1	0
202	013-0203-019	3027	25TH ST	1.0	1.0	RES	NO METER	1" Retrofit		80' EEC of 25th Street, 2' NSPL of Alley	Unimproved Alley	C-16	1	0
203	013-0201-011	3028	25TH ST	1.0	1.0	RES	NO METER	1" Retrofit	81' WWPL of 25th Street	South Alley Line	Unimproved Alley	C-16	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
204	013-0203-018	3041	25TH ST	1.0	1.0	RES	NO METER	1" Retrofit		82' EEC of 25th Street, in Alley on NPL of 3027 25th Street	Unimproved Alley	C-16	1	0
205	013-0043-001	2701	26TH ST	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW w/ Hot Tap			Behind Sidewalk	C-5	1	0
206	010-0354-008	2720	26TH ST	1.0	1.0	RES	METERED	N/A	41' NNPL of Alley - 35' SNLL - 14' EWPL of 26th Street	4' NNPL of Alley - 35' SNLL - 1' WWPL of 26th Street	Landscape Strip	C-5	1	0
207	013-0042-001	2744	26TH ST	1.0	1.0	RES	NO METER	1" Hybrid		53'SNLL, 24' NSLL, 1' EWPL in box	Behind Sidewalk	C-5	1	0
208	013-0044-001	2753	26TH ST	1.0	1.0	RES	NO METER	1" Hybrid		Located 1' Gate Valve - 41' EEPL of 26th, 5' NSLL Located 1 1/2" Or 2" Cut & 1" Cu tied to it at 44' EEPL of 26th Street, 2' NSLL	Behind Sidewalk	C-10	1	0
209	013-0042-002	2754	26TH ST	1.0 & 1.0	1.0	RES	NO METER	1" Hybrid		5' SNLL - 3' EWPL	Behind Sidewalk	C-5	2	1
210	013-0042-003	2758	26TH ST	1.0	1.0	RES	NO METER	1" Hybrid		27' NSLL 23' SNLL	Behind Sidewalk	C-10	1	0
211	013-0042-004	2762	26TH ST	1.5 & 0.75	1.5 & 1.0	RES	NO METER	1.5" Relocate to Street ROW & 1" Hybrid		37'NSLL, 25'SNLL, 3'EWLL in ROW in Box.	Behind Sidewalk	C-10	2	0
212	013-0042-005	2768	26TH ST	1.0	1.0	RES	NO METER	1" Hybrid	23' 6" NSLL - 26' SNLL - 3' WWPL in Right of Way	26' 6" NSLL - 23' SNLL - 3' EWPL in Right of Way	Behind Sidewalk	C-10	1	0
213	013-0044-018	2775	26TH ST	1.0	1.0	RES	NO METER	1" Hybrid		48'EEC of 26th St-3'SNLL	Behind Sidewalk	C-10	1	0
214	013-0042-006	2800	26TH ST	1.0	1.0	RES	NO METER	1" Hybrid	27' SNLL - 223' NSLL - 3' WWPL	24' SNLL - 28' NSLL - 5' 6" EWPL	Behind Sidewalk	C-10	1	0
215	013-0042-007	2804	26TH ST	1.0	1.0	RES	NO METER	1" Hybrid	276' SSPL of 4th Ave	East Rt. of Way	Behind Sidewalk	C-10	1	0
216	013-0083-001	2900	26TH ST	1.0	1.0	RES	NO METER	1" Hybrid	11' NSLL, 18' EWLL	5' EWLL & 11' NSLL	Behind Sidewalk	C-10	1	0
217	013-0085-001	2901	26TH ST	0.75	1.0	RES	NO METER	1" Hybrid		8' WELL & 1' NSLL of 2901 26th Street	Behind Sidewalk	C-10	1	0
218	013-0083-002	2912	26TH ST	1.5	1.0	RES	NO METER	1" Hybrid		7' EWPL, 22' NSLL	Behind Sidewalk	C-10	1	0
219	013-0083-003	2916	26TH ST	1.0	1.0	RES	NO METER	1" Hybrid		21' NSLL, 5' EWPL in Rear of 2916 26th Street	Behind Sidewalk	C-10	1	0
220	013-0083-004	2920	26TH ST	1.0	1.0	RES	NO METER	1" Hybrid	29' SNLL - 3' EWLL	32' SNLL - 11' EWLL Under Pool deck in Box - 18' NSLL	Behind Sidewalk	C-10	1	0
221	013-0083-005	2924	26TH ST	1.0	1.0	RES	NO METER	1" Hybrid		19'NSLL, 10'EWLL in box	Behind Sidewalk	C-10	1	0
222	013-0083-006	2928	26TH ST	1.0	1.0	RES	NO METER	1" Hybrid	29' SNLL - 32' NSLL - 5' 6" EWLL	Same - 9' 6" EWLL	Behind Sidewalk	C-14	1	0
223	013-0083-007	2932	26TH ST	1.0	1.0	RES	NO METER	1" Hybrid	7' EWLL	11' EWLL - 23' NSLL - 27' SNLL	Behind Sidewalk	C-14	1	0
224	013-0083-008	2936	26TH ST	1.0	1.0	RES	NO METER	1" Hybrid			Behind Sidewalk	C-14	1	0
225	013-0083-009	2942	26TH ST	0.75	1.0	RES	NO METER	1" Hybrid	3/4" 2' EWLL, 18' NSLL 3/4" 9' EWLL, 18' NSLL	1" Copper Service 1" C/S-10' EWLL, 3' SNLL	Behind Sidewalk	C-14	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
226	013-0083-010	2948	26TH ST	1.5	1.0	RES	NO METER	1" Hybrid		15' SNLL - 7' EWLL	Behind Sidewalk	C-14	1	0
227	013-0086-014	2951	26TH ST	1.5 & 1.0	1.0	RES	NO METER	1" Service w/ Meter		1": 14'EEC of 26th St., 9'NNC of Marshall in box.	Behind Sidewalk	C-14	1	0
228	013-0083-011	2954	26TH ST	1.0	1.0	RES	NO METER	1" Hybrid	1 1/2' C/C - 13' SNLL 13 1/2' EWLL	1 1/2' C/S - 13' SNLL, 9' EWLL in Standpipe	Behind Sidewalk	C-14	1	0
229	013-0122-022	2991	26TH ST	1.0	1.0	RES	NO METER	1" Retrofit		22' WWC - 26th Street - 1' NNPL of Alley in Valve box	Concrete Alley	C-17	1	0
230	013-0043-009	2700	27TH ST	0.75	1.0	RES	NO METER	1" Hybrid	75' WWPL of 27th Street	NPL of alley	Behind Sidewalk	C-5	1	0
231	013-0051-001	2701	27TH ST	1.0	1.0	RES	NO METER	1" Hybrid	51.5' EEC o/27th St - 7' WELL	NPL o/alley	Behind Sidewalk	C-5	1	0
232	013-0043-010	2710	27TH ST	1.0	1.0	RES	NO METER	1" Hybrid		13' EWLL - 1' SNPL of Alley	Behind Sidewalk	C-5	1	0
233	013-0043-026	2720	27TH ST	1.0	1.0	RES	NO METER	1" Hybrid	65' WWC of 27th Street, 1' NNPL of Alley	on N. Alley line	Behind Sidewalk	C-5	1	0
234	013-0051-038	2727	27TH ST	1.0	1.0	RES	NO METER	1" Hybrid	23' NNPL of Marshall Way	W Rt. of Way	Behind Sidewalk	C-5	1	0
235	013-0091-001	2801	27TH ST	1.0	1.0	RES	NO METER	1" Hybrid		133' SSC of 3rd Ave, 9' EEC of 27th Street	Behind Sidewalk	C-10	1	0
236	013-0091-037	2813	27TH ST	1.0	1.0	RES	NO METER	1" Hybrid	119' SSPL of 3rd Ave., & 69' EEPL of 27th Street	N Rt. of Way	Behind Sidewalk	C-10	1	0
237	013-0091-036	2821	27TH ST	1.0	1.0	RES	NO METER	1" Hybrid	48' EEPL of 27th Street	South of Right of Way	Behind Sidewalk	C-10	1	0
238	013-0084-009	2830	27TH ST	0.75	1.0	RES	NO METER	1" Hybrid		15' NSLL & 1 1/2' EECb. of 37th Street	Behind Sidewalk	C-10	1	0
239	013-0091-035	2833	27TH ST	1.0	1.0	RES	NO METER	1" Hybrid		4' SNLL, 2' WELL in ROW, behind 2813 27th Street	Behind Sidewalk	C-10	1	0
240	013-0092-004	2901	27TH ST	1.0 & 1.0	1.0	RES	NO METER	1" Hybrid	1' NSLL of 2909, 9' WEC	5' NSLL of 2909, 10' WEC in box	Behind Sidewalk	C-10	2	1
241	013-0092-003	2909	27TH ST	1.0	1.0	RES	NO METER	1" Hybrid	28' EEPL of 27th Street	Rt. of Way on riser on SPL	Behind Sidewalk	C-10	1	0
242	013-0092-002	2917	27TH ST	1.0	1.0	RES	NO METER	1" Hybrid	77' EEC of 27th Street - 1' NNLL of 2917	76' EEC of 27th Street - 1' SNLL of 2917 27th Street	Behind Sidewalk	C-10	1	0
243	013-0092-001	2925	27TH ST	1.0	1.0	RES	NO METER	1" Hybrid		13' SNLL, 5' WEPL of lot	Behind Sidewalk	C-14	1	0
244	013-0085-008	2930	27TH ST	1.0	1.0	RES	NO METER	1" Hybrid	57' WW Curb of 27th Street 13 1/2' EWPL of Lot	15' EWLL 3' SNPL in box	Behind Sidewalk	C-10	1	0
245	013-0092-045	2933	27TH ST	1.0	1.0	RES	NO METER	1" Hybrid	14' NSLL - 4' WELL	14' NSLL - 7' WELL	Behind Sidewalk	C-14	1	0
246	013-0092-044	2939	27TH ST	1.0	1.0	RES	NO METER	1" Hybrid	100' NNPL of Marshall Way	W Rt. of Way	Behind Sidewalk	C-14	1	0
247	013-0092-043	2945	27TH ST	1.0 & 1.0	1.0	RES	NO METER	1" Hybrid	34' NSLL, 3 1/2' WELL	34' NSLL, 7' WELL	Behind Sidewalk	C-14	2	1
248	013-0092-042	2951	27TH ST	1.0	1.0	RES	NO METER	1" Hybrid		3' SNLL - 5 1/2' WELL	Behind Sidewalk	C-14	1	0
249	013-0123-001	2977	27TH ST	1.0	1.0	RES	NO METER	1" Retrofit			Concrete Alley	C-18	1	0
250	013-0122-011	2990	27TH ST	1.0	1.0	RES	NO METER	1" Retrofit		SPL Alley, 38' WWC of 27th Street	Concrete Alley	C-18	1	0
251	013-0123-024	2991	27TH ST	1.0	1.0	RES	NO METER	1" Retrofit	8' EE curb of 27th Street	9 1/2' EE Curb of 27th on NPL of Alley	Concrete Alley	C-18	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
252	013-0212-023	3015	27TH ST	1.0	1.0	RES	NO METER	1" Retrofit			Asphalt Alley	C-18	1	0
253	013-0212-022	3025	27TH ST	1.0	1.0	RES	NO METER	1" Retrofit	45' EEPL of 27th Street	56' EEC of 27th Street, 1' NSPL of Alley in C/S Box	Asphalt Alley	C-18	1	0
254	010-0291-013	2660	28TH ST	1.0	1.0	RES	NO METER	1" Hybrid		15' WWC of 28th, on SPL of Alley in box	Landscape Strip	C-6	1	0
255	010-0292-017	2661	28TH ST	1.0	1.0	RES	NO METER	1" Hybrid	23' 6" WEC of 28th Street	3' SSPL of Alley, 1' EEC 28th Street	Landscape Strip	C-6	1	0
256	010-0292-016	2673	28TH ST	1.0	1.0	RES	METERED	1" Hybrid w/ Meter Relocate	23' 4" WEC of 28th Street, 8' SNLL	5' SSPL of alley, 2' EEC of 28th Street in mow strip	Landscape Strip	C-6	1	0
257	010-0337-019	1935	2ND AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter	21' WELL, 7' SNC	22' WELL, 1' NNC in S/P	Landscape Strip	C-3	1	0
258	012-0051-012	1938	2ND AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter	21' WELL	22' WELL of Lot, 1' SSC of 2nd in C/S Box	Landscape Strip	C-3	1	0
259	012-0051-013	1944	2ND AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter	7' EWLL, 10' SNC	7' EWLL - 1' SSC 2nd Ave in S/P	Landscape Strip	C-3	1	0
260	010-0337-018	1945	2ND AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter	16' EWLL, 10' SNC	16' EWLL, 2' NNC in S/P	Landscape Strip	C-3	1	0
261	012-0051-014	2002	2ND AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter	WLL	1 1/2' SSC of 2nd Ave, 1' EWLL in S/P	Landscape Strip	C-3	1	0
262	012-0051-015	2014	2ND AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter		1) 205' WEC of 21st St - 1' SSC of 2nd Av in box (11/7/06) 2) On ELL @ Back of SC of 2nd 190' WWPL of 21st	Landscape Strip	C-3	1	0
263	010-0337-020	2015	2ND AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter		1' EWLL, 2' NNC of 2nd	Landscape Strip	C-3	1	0
264	012-0051-016	2016	2ND AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter		On WLL - Behind Curb in S/P	Landscape Strip	C-3	1	0
265	012-0051-017	2030	2ND AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter		4' EWLL @ Back of Curb (in Park Strip)	Landscape Strip	C-3	1	0
266	010-0338-001	2099	2ND AVE	2.0	2.0	IRR	METERED	2" Service to Meter Box			Landscape Strip	C-3	1	0
267	010-0345-012	2200	2ND AVE	1.0	1.0	RES	NO METER	1" Hybrid		38' SSPL of 2nd, W. ROW	In Sidewalk	C-3	1	0
268	010-0346-002	2306	2ND AVE	1.0	1.0	RES	NO METER	1" Hybrid			In Sidewalk	C-4	1	0
269	010-0346-003	2308	2ND AVE	1.0	1.0	RES	NO METER	1" Hybrid		20 1/2' WELL on NPL of Alley	In Sidewalk	C-4	1	0
270	010-0346-004	2322	2ND AVE	1.0	1.0	RES	NO METER	1" Hybrid		3' WELL, 1' NSPL of Alley	Landscape Strip	C-4	1	0
271	010-0346-005	2326	2ND AVE	1.0	1.0	RES	NO METER	1" Hybrid		125' WWPL of 24th on S Alley Line	Landscape Strip	C-4	1	0
272	010-0346-006	2334	2ND AVE	1.0	1.0	RES	NO METER	1" Hybrid	6' WELL, 7' SNPL of alley (3/10/06)	1) NPL of alley, 6' WELL in concrete c/s box (3/10/06) 2) W/V - 88' WWPL of 24th St, 7' WELL on NPL of alley in box	Landscape Strip	C-4	1	0
273	010-0354-007	2560	2ND AVE	1.0	1.0	RES	METERED	N/A		41' WWPL of 26th @ N. Alley Line	Landscape Strip	C-5	1	0
274	013-0043-027	2612	2ND AVE	1.5	1.5	RES	NO METER	1.5" Retrofit		48 1/2' EEC of 26th	Asphalt Alley	C-5	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
275	013-0043-004	2624	2ND AVE	1.0	1.0	RES	NO METER	1" Retrofit		1 1/2' WELL, 2' NSPL of Alley	Unimproved Alley	C-5	1	0
276	013-0043-005	2632	2ND AVE	0.75	1.0	RES	NO METER	1" Retrofit		1' SNPL of Alley on WLL	Unimproved Alley	C-5	1	0
277	013-0043-006	2638	2ND AVE	1.0	1.0	RES	NO METER	1" Retrofit		6' EWLL, 3' SNLL	Unimproved Alley	C-5	1	0
278	013-0043-007	2646	2ND AVE	1.0	1.0	RES	NO METER	1" Retrofit	Same & 8' SNPL of Alley	19' EWLL, 20' WELL, 1' SNPL of Alley	Unimproved Alley	C-5	1	0
279	013-0043-008	2648	2ND AVE	1.0	1.0	RES	NO METER	1" Retrofit		3' EWLL, 38' WELL on SPL	Unimproved Alley	C-5	1	0
280	010-0291-023	2701	2ND AVE	1.0	1.0	RES	NO METER	1" Hybrid		13' EEC of 27th, 1' SNPL in alley in box	Behind Sidewalk	C-5	1	0
281	013-0051-002	2708	2ND AVE	1.0	1.0	RES	NO METER	1" Hybrid		90' EEPL of 27th - on N Alley Line	Landscape Strip	C-5	1	0
282	010-0291-022	2709	2ND AVE	1.0	1.0	RES	NO METER	1" Hybrid		6' EWLL, 2' SNLL	Landscape Strip	C-5	1	0
283	010-0291-021	2717	2ND AVE	1.0	1.0	RES	NO METER	1" Hybrid		9' WELL of 2725 2nd Ave. 3' SNLL of 2725 2nd Ave	Landscape Strip	C-5	1	0
284	013-0051-003	2720	2ND AVE	1.0	1.0	RES	NO METER	1" Hybrid	12 1/2' WELL, 9' SNPL of Alley	12 1/2' WELL on NPL of Alley	Landscape Strip	C-5	1	0
285	013-0051-004	2724	2ND AVE	1.0	1.0	RES	NO METER	1" Hybrid		30' EWLL, 20' WELL, on NPL of Alley	Landscape Strip	C-5	1	0
286	010-0291-020	2725	2ND AVE	1.0	1.0	RES	NO METER	1" Hybrid		10' WEPL of lot, 1' SNPL	Landscape Strip	C-5	1	0
287	010-0291-042	2733	2ND AVE	1.0	1.0	RES	METERED	1" Hybrid w/ Meter Relocate	SPL of Alley	190' WWC of 28th Street, 36' WEPL of Lot, 1' NSPL of Alley	Landscape Strip	C-5	1	0
288	013-0051-005	2736	2ND AVE	1.0	1.0	RES	NO METER	1" Hybrid		24' EWLL, 3' N of NPL of Alley	Landscape Strip	C-6	1	0
289	010-0291-040	2743	2ND AVE	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW	Same & 7' NSPL of Alley	39 1/2' WELL, 9 1/2' EWLL, on SPL of Alley	Landscape Strip	C-6	1	0
290	013-0051-006	2746	2ND AVE	1.0	1.0	RES	METERED	1" Hybrid w/ Meter Relocate		21' WELL on NPL of Alley	Landscape Strip	C-6	1	0
291	010-0291-015	2747	2ND AVE	1.0	1.0	RES	NO METER	1" Hybrid	83' WWPL of 28th St @ south alley line	16' EWLL, @ SPL of alley in box	Landscape Strip	C-6	1	0
292	013-0051-007	2754	2ND AVE	1.0	1.0	RES	NO METER	1" Hybrid		33' EWLL, 19' WELL, on NPL of Alley	Landscape Strip	C-6	1	0
293	013-0051-008	2756	2ND AVE	0.75	1.0	RES	NO METER	1" Hybrid	33' WELL - 7' SNPL of Alley	33' WELL, 2' NSLL of Alley C/S Box	Landscape Strip	C-6	1	0
294	010-0291-014	2761	2ND AVE	1.0	1.0	RES	METERED	1" Hybrid w/ Meter Relocate		63' WWC of 28th, 1' NSPL of Alley	Landscape Strip	C-6	1	0
295	013-0051-009	2800	2ND AVE	0.75	1.0	RES	NO METER	1" Hybrid		13' WEPL of Lot on NPL of Alley	Landscape Strip	C-6	1	0
296	010-0292-015	2801	2ND AVE	1.0	1.0	RES	NO METER	1" Hybrid	13 1/2' EEC of 28th Street, 6' NSPL of Alley	10 1/2' EEC of 28th Street, 1' NSPL of Alley in Meter Box	Landscape Strip	C-6	1	0
297	013-0051-011	2808	2ND AVE	0.75	1.0	RES	NO METER	1" Hybrid		49' WWPL of San Fernando @ NPL of Alley	Landscape Strip	C-6	1	0
298	013-0051-012	2822	2ND AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter		14' SSC of 2nd Av, 6' WWC of San Fernando in Box	Landscape Strip	C-6	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
299	010-0293-015	2843	2ND AVE	1.0	1.0	RES	NO METER	1" Retrofit		31' EEPL of San Fernando @ SPL of 2nd	In Sidewalk	C-6	1	0
300	013-0051-015	2848	2ND AVE	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap	4' EWLL	4' EWLL @ SLL, 3' N of Main	In Sidewalk	C-6	1	0
301	010-0293-014	2853	2ND AVE	1.0	1.0	RES	NO METER	1" Retrofit		127' EEC of San Fernando @ Back of NC of 2nd	In Sidewalk	C-6	1	0
302	013-0051-016	2858	2ND AVE	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap		1) 2' WELL - 5' SSC (9/5/06) 2) 109' EEPL of San Fernando @ SPL of 2nd	In Sidewalk	C-6	1	0
303	013-0051-017	2864	2ND AVE	1.0	1.0	RES	NO METER	1" Retrofit		1 1/2' WELL on SPL of 2nd	In Sidewalk	C-6	1	0
304	010-0293-013	2865	2ND AVE	1.0	1.0	RES	NO METER	1" Retrofit	3' EWLL, 10' SNC of 2nd	3 1/2' EWLL - 4 1/2' NNC of 2nd	In Sidewalk	C-6	1	0
305	013-0051-018	2872	2ND AVE	1.0	1.0	RES	NO METER	1" Retrofit		1) 10' WELL, 2' SSPL pf 2nd Ave (08/21/05) 2) 10' WELL, 32' EWLL, 7' SSC of 2nd in Box (8/19/05) 3) 10' WELL, 2' SSPL of 2nd Ave	In Sidewalk	C-6	1	0
306	010-0293-012	2875	2ND AVE	1.0	1.0	RES	NO METER	1" Retrofit		18' WELL - 6' NNC of 2nd Ave in Box	In Sidewalk	C-6	1	0
307	010-0363-031	2900	2ND AVE	2.0	2.0	RES	NO METER	2" Relocate to Street ROW w/ Hot Tap		82' SSC of 4th Avenue, Back of curb on Franklin	Landscape Strip	C-6	1	0
308	010-0363-030		2ND AVE	1.0	1.0	NOT IN USE	NO METER	N/A			N/A	C-6	1	1
309	013-0022-054	2111	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit	6' WEPL of 21st	9' EEC of 21st, 1' NNPL of Alley	Unimproved Alley	C-8	1	0
310	013-0031-003	2116	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit		8' WELL, 2' NNPL of Alley	Concrete Alley	C-8	1	0
311	013-0022-053	2117	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit		171' EEPL of 21st @ S Alley Line, 13' S of Main	Unimproved Alley	C-8	1	0
312	013-0022-052	2129	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit		1 1/2' EELL @ S Alley Line	Unimproved Alley	C-8	1	0
313	013-0022-051	2133	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit	16' well - 8' snpl o/alley (3/20/07)	1) 19' well - 1' nspl o/alley in box (3/20/07) 2) 22' EWLL, 42' WELL, 2 1/2' SNLL on SPL of Alley	Unimproved Alley	C-8	1	0
314	013-0031-004	2138	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit		1) W.V. 29' EWLL @ NPL of alley (8/4/05) 2) W.V. Loc: 51' WELL on NPL of Alley	Concrete Alley	C-8	1	0
315	013-0031-005	2144	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit		14' EWLL, 2' SNPL of Alley	Concrete Alley	C-8	1	0
316	013-0022-050	2145	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit		14' WELL on SPL of Alley	Unimproved Alley	C-8	1	0
317	013-0031-006	2150	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit		W.V. Loc: 16 1/2' WELL, 1' NNPL of Alley	Concrete Alley	C-8	1	0
318	013-0022-049	2151	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit		311' EEPL of 21st @ S Alley Line	Unimproved Alley	C-8	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
319	013-0031-007	2154	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit		(1) 11' WELL 30' EWLL - 2' NNPL of Alley (2) C/S 22' WELL - 1' SNLL of Alley	Concrete Alley	C-8	1	0
320	013-0022-048	2157	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit		20 1/2' EWLL, 19'WELL, SPL of Alley in Standpipe	Unimproved Alley	C-8	1	0
321	013-0031-008	2164	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit		1) 0' NPL o/alley - 8' EWLL in SP (8/30/06) 2) 34'WELL, 7'EWLL on NPL o/alley in box (11/04/05) 3) 34' WELL, 7' EWLL on NPL of alley W' box (11/2/05) 4) 7' EWLL on NPL of Alley in S/P	Concrete Alley	C-8	1	0
322	013-0022-047	2167	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit		22' WELL, on SPL of Alley	Unimproved Alley	C-8	1	0
323	013-0031-009	2172	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit		4 1/2' WELL & 1' NNPL of Alley in Box	Concrete Alley	C-8	1	0
324	013-0022-046	2175	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit		17' WELL, 2' NSPL of alley	Unimproved Alley	C-8	1	0
325	013-0031-010	2180	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit		19 1/2' WELL @ NPL of Alley	Concrete Alley	C-8	1	0
326	013-0022-045	2185	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit		15' WELL, 24'EWLL, 1' NSPL of Alley in box	Unimproved Alley	C-8	1	0
327	013-0031-011	2188	3RD AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter w/ Hot Tap		4' EWLL @ NPL of Alley	Concrete Alley	C-8	1	0
328	013-0022-044	2193	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit		4' EWLL - 1' SNLL in Standpipe	Unimproved Alley	C-8	1	0
329	013-0022-043	2199	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit		1) 16' WELL - 4' NSPL of alley in box (10/9/06) 2) 15' WEPL of Lot on SPL of Alley	Concrete Alley	C-8	1	0
330	013-0033-002	2200	3RD AVE	0.75	1.0	RES	NO METER	1" Retrofit	82' WWPL 3rd Street		Asphalt Alley	C-8	1	0
331	013-0022-042	2201	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit	Same as Corp and at NPL of Alley	7' E of E Curb 9' W EPL of 3rd street	Unimproved Alley	C-8	1	0
332	013-0033-003	2208	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit	7' SNPL of Alley	93' EEC of 22nd, 2' SNPL of Alley	Asphalt Alley	C-8	1	0
333	013-0022-041	2213	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit		15' WELL, 1' SNPL of Alley	Unimproved Alley	C-8	1	0
334	013-0022-040	2221	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit		13' WELL, 2' SSPL of Alley in S/P	Unimproved Alley	C-8	1	0
335	013-0022-039	2227	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit	64' EEPL of 3rd Street	SPL Alley	Unimproved Alley	C-8	1	0
336	013-0033-004	2228	3RD AVE	1.5	1.5	RES	NO METER	1.5" Retrofit	14' WELL, 7' SNPL of Alley	13' WELL, 1' SNPL of Alley in c/s box	Asphalt Alley	C-8	1	0
337	013-0022-038	2235	3RD AVE	1.0	1.0	NOT IN USE	NO METER	N/A			N/A	C-8	1	1
338	013-0033-040	2240	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit	79 1/2 EE Curb of 3rd Street - 16' WEPL Lot	SPL of Alley	Asphalt Alley	C-8	1	0
339	013-0022-037	2245	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit		6 1/2' EWLL - SPL of Alley	Unimproved Alley	C-8	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
340	013-0022-036	2249	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit		310' WWPL of 24th @ S Alley Line	Unimproved Alley	C-8	1	0
341	013-0033-007	2250	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit		18' EWLL - 1' SNPL of Alley Standpipe	Asphalt Alley	C-8	1	0
342	013-0033-008	2300	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit		77 1/2' WWC 4th Street	Asphalt Alley	C-8	1	0
343	013-0022-061	2301	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit		24' EWLL @ SPL of Alley	Unimproved Alley	C-8	1	0
344	013-0033-009	2312	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit	7' SNPL of Alley - 2' EWLL	1' NNPL of Alley - 2' EWLL	Asphalt Alley	C-8	1	0
345	013-0033-010	2316	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap		2' WELL, on NPL of Alley in Standpipe	Landscape Strip	C-9	1	0
346	013-0022-060	2323	3RD AVE	1.0	1.0	RES	NO METER	1" Retrofit		52' EWLL, 2' SSPL of Alley	Unimproved Alley	C-8	1	0
347	013-0022-031	2325	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap			Landscape Strip	C-9	1	0
348	013-0033-011	2326	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap		W.V. Loc: 23' EWLL, 19' WELL, on PL of Alley	Landscape Strip	C-9	1	0
349	013-0033-012	2334	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap		16' WELL, 3' NNPL of Alley	Landscape Strip	C-9	1	0
350	013-0033-013	2350	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap	96' WWC of 24th & 8' SNPL of Alley	97' WWC of 24th St, 1' SNPL Alley in box	Landscape Strip	C-9	1	0
351	013-0084-001	2600	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid	8" valve 18' S of N Curb of 1st Ave & 13' W of W Curb of 3rd Street		Behind Sidewalk	C-10	1	0
352	013-0084-002	2608	3RD AVE	0.75	1.0	RES	NO METER	1" Hybrid		59' EEPL of 26th	Behind Sidewalk	C-10	1	0
353	013-0044-017	2609	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid		10 1/2' EWLL, 4' SNLL	Behind Sidewalk	C-10	1	0
354	013-0084-003	2616	3RD AVE	0.75	1.0	RES	NO METER	1" Hybrid	22' EWLL, 28' WELL, 2' SSPL	22' EWLL, 28' WELL, 1' NSPL (S/P)	Behind Sidewalk	C-10	1	0
355	013-0044-016	2617	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid		28' EWLL, 1' SNPL	Behind Sidewalk	C-10	1	0
356	013-0084-004	2624	3RD AVE	0.75	1.0	RES	NO METER	1" Hybrid		w/v - 24' EWLL, 5' NSPL in standpipe	Behind Sidewalk	C-10	1	0
357	013-0044-015	2625	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid		4' SNPL, 7' EWLL in box	Behind Sidewalk	C-10	1	0
358	013-0084-005	2632	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid	4' EWLL, 1' SNPL of 2639 4th Ave	5 1/2' EWLL, 46' WELL, 1' NSPL in box	Behind Sidewalk	C-10	1	0
359	013-0044-014	2633	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid		215' WWPL of 27th, S ROW	Behind Sidewalk	C-10	1	0
360	013-0084-006	2640	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid	16' WELL	4' NSLL, 16' WELL in Box	Behind Sidewalk	C-10	1	0
361	013-0044-013	2641	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid		21' EWLL, 29' WELL, 1' SNLL	Behind Sidewalk	C-10	1	0
362	013-0084-007	2648	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid	27' EWLL, Under PL	27' EWLL, 6' NSPL in C/S Box	Behind Sidewalk	C-10	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
363	013-0044-012	2649	3RD AVE	1.0	1.0	RES	METERED	1" Hybrid w/ Meter Relocate		28' WELL, 3 1/2' SNLL	Behind Sidewalk	C-10	1	0
364	013-0044-011	2657	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid	9' EWLL, 4' NSLL of 2656 Castro	9' EWLL, 6' NSLL	Behind Sidewalk	C-10	1	0
365	013-0084-008	2660	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid		20' WWC of 27th Street- on SLL 2 1/2' NSLL	Behind Sidewalk	C-10	1	0
366	013-0044-010	2665	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid	57' WWC of 27th, 1' SNPL	57' WWC of 27th, 3' SNPL 7' NSLL 1' EWLL Behind Garage in Standpipe	Behind Sidewalk	C-10	1	0
367	013-0052-034	2701	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid	214' SS Curb of 1st Ave	East Curb of 3rd street	Behind Sidewalk	C-10	1	0
368	013-0091-002	2710	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid	1' NSLL	22' EWLL - 5' NSPL & in Standpipe	Behind Sidewalk	C-10	1	0
369	013-0052-033	2711	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid	23' EWLL, 27' WELL, 1' SNPL	21' EWLL, 29' WELL, 4' SNPL In Valve Box	Behind Sidewalk	C-10	1	0
370	013-0091-003	2720	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid		6' NSLL, 18' EWLL in Standpipe	Behind Sidewalk	C-10	1	0
371	013-0052-032	2721	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid		14' WELL & 3' SNLL	Behind Sidewalk	C-10	1	0
372	013-0091-004	2730	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid		49' EWLL @ N Line of ROW, 262' EEPL of 27th	Behind Sidewalk	C-10	1	0
373	013-0052-031	2731	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid	Same & on NPL of ROW	14' WELL, 36' EWLL, 2' SNPL of ROW	Behind Sidewalk	C-10	1	0
374	013-0091-005	2740	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid	10 1/2' EWLL, 2' NSPL	10' EWLL, 4' NSPL	Behind Sidewalk	C-11	1	0
375	013-0052-030	2741	3RD AVE	0.75	1.0	RES	NO METER	1" Hybrid		1) 21' WELL - 4' SNLL in box (8/1/06) 2) 232' EEPL of 27th, S ROW	Behind Sidewalk	C-11	1	0
376	013-0091-006	2750	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid	42 1/2' WELL, 6' EWLL, 3 1/2' NSPL	42 1/2' WELL, 6' EWLL, 5 1/2' NSPL (In Valve Box)	Behind Sidewalk	C-11	1	0
377	013-0052-029	2751	3RD AVE	0.75	1.0	RES	NO METER	1" Hybrid	23' WELL, 4' SNLL	23' WELL on NLL	Behind Sidewalk	C-11	1	0
378	013-0091-007	2760	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid	Same & 4 1/2' NSLL	15' EWLL, 35' WELL, 7' NSLL in a Box	Behind Sidewalk	C-11	1	0
379	013-0052-028	2761	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid		328' EEPL of 27th, S ROW	Behind Sidewalk	C-11	1	0
380	013-0091-008	2800	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid		23 1/2' WELL, 7' NSLL	Behind Sidewalk	C-11	1	0
381	013-0052-027	2801	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid		WV 377' EEPL of 27th, 1' SNPL in C/S Box	Behind Sidewalk	C-11	1	0
382	013-0091-009	2810	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid		12' EWLL, 8' NSLL	Behind Sidewalk	C-11	1	0
383	013-0052-026	2811	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid	31 1/2' WELL 1' NNPL 17' EWLL	31 1/2' WELL, 4' SNLL 17' EWLL	Behind Sidewalk	C-11	1	0
384	013-0091-010	2820	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid	31' WELL, 19' EWLL	16' EWLL, 34' WELL, 7' NSLL in Box	Behind Sidewalk	C-11	1	0
385	013-0052-025	2821	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid	21' EWLL, 2' SNLL	22' EWLL, 4' SNLL	Behind Sidewalk	C-11	1	0
386	013-0091-011	2830	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid	20' EWLL - 4' NSLL	20' EWLL - 8' NSLL in Pipe	Behind Sidewalk	C-11	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
387	013-0052-024	2831	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid	17' EWLL, 3' SNPL in standpipe (10/16/06)	1)17' EWLL, 6' SNPL in standpipe (10/16/06) 2)338' WWPL of Franklin, S ROW	Behind Sidewalk	C-11	1	0
388	013-0091-012	2840	3RD AVE	0.75	1.0	RES	NO METER	1" Hybrid	4' NSLL, 3' EWLL	12' NSPL & 4' EWLL of 2840.3rd Ave	Behind Sidewalk	C-11	1	0
389	013-0052-023	2841	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid		24.5' EWLL - 3' SNLL	Behind Sidewalk	C-11	1	0
390	013-0091-013	2850	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid	10' EWLL, 5' NSLL	11' EWLL, 5' NSLL	Behind Sidewalk	C-11	1	0
391	013-0052-022	2851	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid		224' WWPL of Franklin, S ROW	Behind Sidewalk	C-11	1	0
392	013-0091-014	2860	3RD AVE	0.75	1.0	RES	NO METER	1" Hybrid		6 1/2' EWLL, 6' NSLL	Behind Sidewalk	C-11	1	0
393	013-0052-021	2861	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid		210' WWC of Franklin, 121' NNC of 3rd	Behind Sidewalk	C-11	1	0
394	013-0091-015	2870	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid		148' WWPL of Franklin @ N-ROW	Behind Sidewalk	C-11	1	0
395	013-0052-020	2871	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid	5' EWLL - 3' SNPL	5' EWLL - 6' SNPL	Behind Sidewalk	C-11	1	0
396	013-0052-019	2881	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid		1) 18' EWLL, 1' SNLL (08/30/05) 2) 18 1/2' EWPL of Lot, 3'S of Main, 83' WWPL of Franklin	Behind Sidewalk	C-11	1	0
397	013-0052-018	2891	3RD AVE	1.0	1.0	RES	NO METER	1" Hybrid		23 1/2' EWLL, 44' WWC of Franklin, 3 1/2' S of Main	Behind Sidewalk	C-11	1	0
398	013-0031-029	2101	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		81' EEC of 21st, 1' SSPL of Alley	Landscape Strip	C-8	1	0
399	013-0031-028	2111	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		W.V. Loc: 25' EWLL, 20' WELL, 2'SSPL of Alley	Landscape Strip	C-8	1	0
400	013-0031-027	2121	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		160' EEC of 21st, 1/2' SSPL of Alley	Landscape Strip	C-8	1	0
401	013-0031-026	2127	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		189' EEC of 21st, 1/2' SSPL of Alley	Landscape Strip	C-8	1	0
402	013-0031-025	2139	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		16' WELL, 1'SSPL of alley in SP	Landscape Strip	C-8	1	0
403	013-0032-003	2142	4TH AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter		1 1/2' EWLL, 5' SSC of 4th	Landscape Strip	C-8	1	0
404	013-0032-004	2144	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		W.V. Loc: 55' SSPL of 4th on W Alley Line	Landscape Strip	C-8	1	0
405	013-0031-024	2145	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		28' EWLL, 1' NSPL of Alley	Landscape Strip	C-8	1	0
406	013-0031-023	2155	4TH AVE	1.5	1.0	RES	NO METER	1" Hybrid		17' WELL, 1' SNPL of Alley in C/S Box	Landscape Strip	C-8	1	0
407	013-0031-022	2157	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid	7' SNPL of Alley, 18' EWLL	2' SSPL of Alley, 18' EWLL in Standpipe	Landscape Strip	C-8	1	0
408	013-0031-021	2165	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		16' EWLL, 1' SSPL of Alley in Standpipe	Landscape Strip	C-8	1	0
409	013-0032-005	2168	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		69' SSC of 4th, 24' NSPL, 1' WEPL of Alley	Landscape Strip	C-8	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
410	013-0031-020	2175	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		3' EWLL, 2' NSPL of Alley	Landscape Strip	C-8	1	0
411	013-0032-006	2178	4TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		21' SNRR on WC of 22nd Street	Landscape Strip	C-8	1	0
412	013-0031-019	2181	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		5' WELL, 1' NSPL of Alley	Landscape Strip	C-8	1	0
413	013-0031-018	2191	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		121' WWC of 22nd, 1/2' SSPL of Alley	Landscape Strip	C-8	1	0
414	013-0031-017	2195	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		86' WWC of 22nd, 1/2' SSPL of Alley	Landscape Strip	C-8	1	0
415	013-0031-016	2199	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap		8 1/2' WWC of 22nd St, 1/2' SSPL of alley in box	Landscape Strip	C-8	1	0
416	013-0034-007	2208	4TH AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter		106' EEC of 22nd @ SC of 4th	Landscape Strip	C-8	1	0
417	013-0034-001	2218	4TH AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter		9' EE Alley Line @ SC of 4th Ave	Landscape Strip	C-8	1	0
418	013-0033-036	2223	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		16' WELL on SPL of Alley	Landscape Strip	C-8	1	0
419	013-0033-039	2227	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		4' EWLL, 1' NSPL of alley	Landscape Strip	C-8	1	0
420	013-0033-023	2239	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		1' WWLL, 3 1/2' NSPL of Alley Standpipe	Landscape Strip	C-8	1	0
421	013-0033-022	2241	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		W.V. Loc: 35' WELL, 26' EWLL, 5' SSPL of Alley	Landscape Strip	C-8	1	0
422	013-0035-007	2300	4TH AVE	1.5	1.5	RES	NO METER	1.5" Service w/ Meter		77' WWC 4th Street 3' NNPL of Alley	Landscape Strip	C-8	1	0
423	013-0033-021	2301	4TH AVE	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW	12' NSPL of Alley, 22' EWLL	23' EWLL, 36' WELL, 1' NSPL of alley in c/s box	Landscape Strip	C-8	1	0
424	013-0035-008	2312	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		38' WWPL 4th Street NPL of Alley	Landscape Strip	C-9	1	0
425	013-0033-020	2315	4TH AVE	0.75	1.0	RES	NO METER	1" Hybrid			Landscape Strip	C-8	1	0
426	013-0035-001	2324	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid	13' SSC of 4th Ave - 7' EWPL of Alley	2' WEPL of Alley - 12' SSC of 4th Av	Landscape Strip	C-9	1	0
427	013-0033-019	2323	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		2 1/2' WELL on SPL of Alley	Landscape Strip	C-9	1	0
428	013-0033-018	2325	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid	15' WELL - 63' NSPL of Alley	15' WELL - 2' SNLL	Landscape Strip	C-9	1	0
429	013-0033-017	2327	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid	2' WELL, 13' NSPL of Alley	2' WELL, on SPL of Alley	Landscape Strip	C-9	1	0
430	013-0033-016	2341	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid	8' WWC of 24th, 13' NSPL of Alley	8' WWC of 24th, 2' SSPL of Alley	Landscape Strip	C-9	1	0
431	013-0035-002	2346	4TH AVE	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW		9' SSC of 4th Av, 3' EWLL of Alley	Landscape Strip	C-9	1	0
432	013-0082-023	2440	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid			Behind Sidewalk	C-9	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
433	013-0041-001	2471	4TH AVE	1.0 & 4.0	1.0 & 4.0	COM	METERED	1" Service to Meter Box (1) & 4" Service to Meter Box (1)			Behind Sidewalk	C-9	2	0
434	013-0042-009	2501	4TH AVE	1.25	1.0	RES	NO METER	1" Hybrid	5' WELL, 5' SNLL	WV= 8' WEPL, 6' SNLL in S/P	Behind Sidewalk	C-9	1	0
435	013-0042-008	2535	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid	23' NNC, 4' WWLL	23' NNC, 2' EWLL	Behind Sidewalk	C-10	1	0
436	013-0084-016	2601	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid	37' EEC of 26th Street - 4' SNPL in ROW	37' EEC of 26th Street - 6' SNPL in ROW in S/P	Behind Sidewalk	C-10	1	0
437	013-0085-002	2608	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		15' EWLL, 4' NSLL	Behind Sidewalk	C-10	1	0
438	013-0084-015	2609	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		1) 9' WELL, 11' SNPL (3/23/06) 2) enters lot at 9' WELL (3/20/06) 3) 9' WELL, 3' S of Main (In Standpipe)	Behind Sidewalk	C-10	1	0
439	013-0084-014	2617	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		1) 24' well - 7' snll in box (2/14/07) 2) 24' WELL, 7' SNPL in ROW in S/P	Behind Sidewalk	C-10	1	0
440	013-0085-003	2620	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		24' EWLL, 1' NSLL	Behind Sidewalk	C-10	1	0
441	013-0085-004	2624	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		195' WWPL of 27th @North Line of ROW	Behind Sidewalk	C-10	1	0
442	013-0084-013	2625	4TH AVE	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW		1) 26' well - 4' snpl in c/s box (2/23/07) 2) 28' WELL, 5' SNLL	Behind Sidewalk	C-10	1	0
443	013-0085-005	2632	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		20' WELL, 1 1/2' NSLL	Behind Sidewalk	C-10	1	0
444	013-0084-012	2639	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		5' SNLL, 5'6" EWLL in S/P in Garage	Behind Sidewalk	C-10	1	0
445	013-0085-006	2640	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		15' EWLL, 36' WELL	Behind Sidewalk	C-10	1	0
446	013-0084-011	2641	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid	On NLL, 14' EWLL	8' SNLL, 11' EWLL	Behind Sidewalk	C-10	1	0
447	013-0085-007	2648	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		14' EWLL, 2' NSPL in s/p	Behind Sidewalk	C-10	1	0
448	013-0084-010	2651	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		53' NNPL, 6' WWC of 27th	Behind Sidewalk	C-10	1	0
449	013-0092-005	2714	4TH AVE	1.0 & 1.0	1.0 & 1.0	RES	NO METER	1" Retrofit (2)		190 1/2' EEC of 27th, 1' Back SC of 4th, 28' S of Main	Behind Sidewalk	C-10	2	0
450	013-0091-034	2717	4TH AVE	0.75	1.0	RES	NO METER	1" Hybrid		137' EEPL of 27th, S ROW	Behind Sidewalk	C-10	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
451	013-0091-033	2725	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		1) 4.5' EWLL, 1' SNLL (1/23/06) 2) 4 1/2' EWLL @ S Side of ROW	Behind Sidewalk	C-10	1	0
452	013-0092-006	2730	4TH AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter		At ELL @ SC of 4th	Behind Sidewalk	C-10	1	0
453	013-0091-032	2733	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		242' EEC of 27th, S Side of ROW	Behind Sidewalk	C-10	1	0
454	013-0092-007	2736	4TH AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter	3' EWLL, 4' SNC	4' EWLL, 1' SSC in box	Behind Sidewalk	C-10	1	0
455	013-0092-008	2738	4TH AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter	4' SNC of 4th	3' WELL, 2' SSC of 4th Av @ 2736 4th Av in S/P	Behind Sidewalk	C-10	1	0
456	013-0092-009	2740	4TH AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter		2' SSC - 8' EWLL (marked in blue) (8/1/06)	Behind Sidewalk	C-11	1	0
457	013-0091-031	2741	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		271' EEPL of 27th @ S Line of ROW	Behind Sidewalk	C-11	1	0
458	013-0091-030	2749	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		2 1/2' EWLL, 10' S of Main, 341' 1/2' EEC of 27th	Behind Sidewalk	C-11	1	0
459	013-0092-010	2790	4TH AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter		98' WWC of Franklin, 2' SSC of 4th	Behind Sidewalk	C-11	1	0
460	013-0092-011	2800	4TH AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter		On ELL, 1' SSC of 4th	Behind Sidewalk	C-11	1	0
461	013-0091-029	2801	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid	18' EWLL, 4' NNPL	18' EWLL, 2' SNLL	Behind Sidewalk	C-11	1	0
462	013-0092-012	2808	4TH AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter		On WLL, 1' SSC of 4th	Behind Sidewalk	C-11	1	0
463	013-0091-028	2809	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid	18' EWLL	2' SNLL, 18' EWLL	Behind Sidewalk	C-11	1	0
464	013-0092-013	2816	4TH AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter			Behind Sidewalk	C-11	1	0
465	013-0091-027	2817	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		20' WELL, 1' SNPL	Behind Sidewalk	C-11	1	0
466	013-0092-014	2824	4TH AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter		1' WELL, 1' SSC in box	Behind Sidewalk	C-11	1	0
467	013-0091-026	2825	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		23' WELL-2' SNPL in c/s box	Behind Sidewalk	C-11	1	0
468	013-0092-015	2832	4TH AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter	5' SNC, 16' EWLL, 24' WELL	16' EWLL @ SC of 4th, 24' WELL	Behind Sidewalk	C-11	1	0
469	013-0091-025	2833	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		19' EWLL, 4' S of Main, 372' WWC 1' SNLL	Behind Sidewalk	C-11	1	0
470	013-0092-016	2840	4TH AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter	Same & 4 1/2' SNC of 4th	39' WELL, 1' EWLL, 2' SSC of 4th	Behind Sidewalk	C-11	1	0
471	013-0091-024	2841	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		27' WELL, 7' S of Main, 327' WWC of Franklin	Behind Sidewalk	C-11	1	0
472	013-0092-017	2848	4TH AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter	5' SNC of 4th, 4' WELL	4' WELL, 2' SSC of 4th	Behind Sidewalk	C-11	1	0
473	013-0091-023	2849	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid	13' EWLL, 4' NNPL	13' EWLL on NLL	Behind Sidewalk	C-11	1	0
474	013-0091-022	2857	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		W.V. Loc: 17' EWLL, 18' NSLL in ROW (In Standpipe)	Behind Sidewalk	C-11	1	0
475	013-0092-018	2864	4TH AVE	1.0	1.0	RES	NO METER	1" Service w/ Meter		28' EWLL, 31' WELL, 2' SSC in Box	Behind Sidewalk	C-11	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
476	013-0091-021	2865	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid			Behind Sidewalk	C-11	1	0
477	013-0091-020	2873	4TH AVE	1.0	1.0	RES	NO METER	1" Hybrid		102' WWPL of Franklin, Back of Curb (In Standpipe)	Behind Sidewalk	C-11	1	0
478	013-0112-021	2401	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit	Same & 7' NSPL of Alley	35' WELL, 20' EEC of 24th, 1' NSPL of Alley	Unimproved Alley	C-16	1	0
479	013-0201-002	2408	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		27 1/2' WELL on NPL of Alley, 72 1/2' EEPL of 24th	Unimproved Alley	C-16	1	0
480	013-0112-020	2409	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		73' EEC of 24th @ SPL of Alley	Unimproved Alley	C-16	1	0
481	013-0201-003	2416	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		37' EWLL on NPL of Alley	unimproved Alley	C-16	1	0
482	013-0112-019	2417	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		10' EEPL of 5th Street @ SPL of Alley	Unimproved Alley	C-16	1	0
483	013-0201-004	2424	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		162' EEC of 24th @ N Alley Line	Unimproved Alley	C-16	1	0
484	013-0112-018	2425	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		16 1/2' WELL @ SPL of Alley, 182 1/2' EEPL of 24th	Unimproved Alley	C-16	1	0
485	013-0201-005	2434	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		231' EEPL of 24th on N Alley Line	unimproved Alley	C-16	1	0
486	013-0112-017	2439	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		24' EWPL of Lot on SPL of Alley	Unimproved Alley	C-16	1	0
487	013-0201-006	2440	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		5' WELL @ NPL of Alley	Unimproved Alley	C-16	1	0
488	013-0112-016	2441	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		18' WELL on SPL of Alley	Unimproved Alley	C-16	1	0
489	013-0112-015	2449	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		9' EWLL -1' NSPL of Alley in box	Unimproved Alley	C-16	1	0
490	013-0201-007	2450	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		30' EWLL @ NPL of Alley	Unimproved Alley	C-16	1	0
491	013-0112-014	2453	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		1) 38' EWLL, 1' NSPL in c/s box (08/08/05) 2) 137' WWPL of 25th On S Alley Line (old)	Unimproved Alley	C-16	1	0
492	013-0112-013	2455	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit	Same & 8' NSPL of Alley	48' WELL 2' EWLL 2' NSPL of Alley	Unimproved Alley	C-16	1	0
493	013-0201-008	2462	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		32' WELL 2' SNPL of Alley	Unimproved Alley	C-16	1	0
494	013-0201-009	2470	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		20 1/2' EWLL on NPL of alley in box	Unimproved Alley	C-16	1	0
495	013-0112-012	2477	5TH AVE	1.5	1.0	RES	NO METER	1" Retrofit		54' NSLL & on ELL	Unimproved Alley	C-16	1	0
496	013-0201-010	2480	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		10' WWOC of 25th 3' NNPL of Alley	Unimproved Alley	C-16	1	0
497	013-0203-002	2500	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		25' EEC of 25th 2' SNPL of Alley	Unimproved Alley	C-16	1	0
498	013-0114-016	2501	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		1) 47' EEC o/25th St. - 1' NSPL of alley (11/16/06) 2) 36' EEPL of 25th on S Alley Line	Unimproved Alley	C-16	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
499	013-0203-003	2508	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		69' EEPL of 25th on NPL of Alley in S/P	Unimproved Alley	C-16	1	0
500	013-0114-015	2511	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		59' EEPL of 25th on S Alley Line	Unimproved Alley	C-16	1	0
501	013-0114-014	2519	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit	15' EWLL, 7' NSPL of Alley	17' EWLL, 32' WELL, 1' NNPL of Alley in box	Unimproved Alley	C-16	1	0
502	013-0203-004	2520	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		11' WELL on NPL of Alley 134' EEPL of 25th	Unimproved Alley	C-16	1	0
503	013-0114-013	2525	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		40' WELL on NPL 9' EWLL	Unimproved Alley	C-16	1	0
504	013-0203-005	2528	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit	22' WELL & 10 1/2' SNPL of Alley	22' WELL & 1' SNPL of Alley in Standpipe	Unimproved Alley	C-16	1	0
505	013-0114-012	2533	5TH AVE	0.75	1.0	RES	NO METER	1" Retrofit		230' WWPL of 26th on NPL of Alley	Unimproved Alley	C-17	1	0
506	013-0203-006	2538	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		29' WELL 21' EWLL 1' NNPL of Alley	Unimproved Alley	C-17	1	0
507	013-0203-007	2540	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		27' WELL on NPL of Alley (In Standpipe)	Unimproved Alley	C-17	1	0
508	013-0114-011	2547	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		198' WWPL of 26th St SS of Alley Standpipe	Unimproved Alley	C-17	1	0
509	013-0203-008	2548	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		6' EWLL on NPL Of Alley 140' WWPL of 26th	Unimproved Alley	C-17	1	0
510	013-0114-010	2551	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		97' EEC 5th Street 73' WELL 5th Street 1' NNC 1st Ave	Unimproved Alley	C-17	1	0
511	013-0114-009	2557	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		27' EWPL 20' WELL on SPL of Alley	Unimproved Alley	C-17	1	0
512	013-0114-008	2565	5TH AVE	2.0	1.5	RES	NO METER	1.5" Retrofit		66' WWPL of 26th on NPL of Alley	Unimproved Alley	C-17	1	0
513	013-0203-010	2570	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit			Unimproved Alley	C-17	1	0
514	013-0203-009	2570	5TH AVE	1.0	1.0	NOT IN USE	NO METER	N/A			N/A	C-17	1	1
515	013-0122-021	2601	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		26' EEPL of 26th SPL of Alley	Concrete Alley	C-17	1	0
516	013-0211-001	2604	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		26' EEPL of 26th @ N Alley Line	Concrete Alley	C-17	1	0
517	013-0122-020	2609	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		31' EWLL @ SPL of Alley	Concrete Alley	C-17	1	0
518	013-0211-002	2610	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		8' WEPL of Lot @ NPL of Alley	Concrete Alley	C-17	1	0
519	013-0211-003	2620	5TH AVE	1.5	1.5	RES	NO METER	1.5" Retrofit	8" GV 212' EEC 5th Street-28' NSC 1st AVE	Same	Concrete Alley	C-17	1	0
520	013-0122-019	2623	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit	110' EEPL of 26th St 9' NSPL of Alley	39' WELL 11' EWLL 2' SSPL	Concrete Alley	C-17	1	0
521	013-0122-018	2625	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit			Concrete Alley	C-17	1	0
522	013-0211-004	2626	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit	24' ewll - 12' snpl o/alley (09/13/06)	1) 24' ewll - 2' snpl o/alley in m/box (09/13/06) 2) 24' EWLL - 2' NNLL (9/6/06) 3) 33' EWLL on NPL of Curb Alley	Concrete Alley	C-17	1	0
523	013-0211-005	2632	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		30' EWLL 1' NSPL of Alley (in Standpipe)	Concrete Alley	C-17	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
524	013-0122-017	2633	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		22' 9" WELL 7' 5" S of Main	Concrete Alley	C-17	1	0
525	013-0211-006	2636	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit			Concrete Alley	C-17	1	0
526	013-0122-016	2641	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		14 1/2' SNLL 20' EEC 5th Street	Concrete Alley	C-17	1	0
527	013-0211-007	2648	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		180' WWPL of 27th @ N Alley Line	Concrete Alley	C-17	1	0
528	013-0122-015	2649	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		20' EWLL 31' WELL 1' SSPL of Alley	Concrete Alley	C-17	1	0
529	013-0122-014	2657	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		138' WWPL of 27th on SPL in Box	Concrete Alley	C-17	1	0
530	013-0211-008	2658	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		On ELL & NPL of Alley in Standpipe	Concrete Alley	C-17	1	0
531	013-0211-009	2664	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		26' EWLL on NPL of Alley	Concrete Alley	C-17	1	0
532	013-0122-013	2671	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit	7' NSPL of Alley	96' WWC of 27th 14' EWLL	Concrete Alley	C-17	1	0
533	013-0122-012	2673	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit	11' SSPL of Alley 4' WWC of 27th St	4' WWC of 27th St 3' SSPL of Alley	Concrete Alley	C-18	1	0
534	013-0211-010	2678	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		24' EWLL on NPL of Alley	Concrete Alley	C-18	1	0
535	013-0123-023	2701	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		6' WEPL of 27th 3' EEC of 27th 2' SSPL of Alley	Concrete Alley	C-18	1	0
536	013-0212-003	2710	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		4' WELL 104' EEC of 27th @ N Alley Line	Asphalt Alley	C-18	1	0
537	013-0123-022	2713	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit	Same & 6 1/2' NSPL of Alley	2' EWLL on SPL of Alley	Concrete Alley	C-18	1	0
538	013-0123-021	2719	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		114' EEPL of 27th on SPL of Alley	Concrete Alley	C-18	1	0
539	013-0212-004	2722	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit	Same & 11' SNPL of Alley	1 1/2' WELL 48 1/2' EWLL 1 1/2' NNPL of Alley	Asphalt Alley	C-18	1	0
540	013-0123-020	2725	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit	Same & 7' NSPL of Alley	23 1/2' WELL 26 1/2' EWLL on SPL of Alley	Concrete Alley	C-18	1	0
541	013-0212-005	2726	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		150' EEPL of 27th 158' EEC of 27th	Asphalt Alley	C-18	1	0
542	013-0212-006	2732	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		24' WELL 26' EWLL @ NPL of Alley	Asphalt Alley	C-18	1	0
543	013-0123-019	2735	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		289' WWPL of Franklin on SPL of Alley	Concrete Alley	C-18	1	0
544	013-0212-007	2740	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit	1.6" EWLL on NP of Alley	Wheel Valve Loc: 1' EWLL 1' SNPL of Alley	Asphalt Alley	C-18	1	0
545	013-0123-018	2745	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		18'8" WELL @ S Alley line	Concrete Alley	C-18	1	0
546	013-0212-008	2752	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		201' WWPL of Franklin @ NPL	Asphalt Alley	C-18	1	0
547	013-0123-017	2755	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		18' WEPL 32' EWPL on SPL of Alley	Concrete Alley	C-18	1	0
548	013-0123-016	2759	5TH AVE	0.75	1.0	RES	NO METER	1" Retrofit	6 1/2' EWLL	6' EWLL, 44' WELL, 1' SSPL of alley	Concrete Alley	C-18	1	0
549	013-0212-009	2760	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		147' WWPL of Franklin on NPL	Asphalt Alley	C-18	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
550	013-0212-010	2770	5TH AVE	1.0	1.0	RES	NO METER	1" Retrofit		16' WWC of Franklin on NPL of Alley Same Tap As 3000 Franklin Burs	Asphalt Alley	C-18	1	0
551	010-0215-010	1942	BROADWAY	2.0 & 1.0	2.0 & 1.0	IRR & COM	METERED	N/A		94' WWC of 20th Street, 6' NNC of Burnett Way	N/A	C-1	2	0
552	010-0218-014	2000	BROADWAY	0.75	1.0	COM.	METERED	N/A		29' EEC of 20th Street - 17' NSLL	N/A	C-1	1	0
553	010-0218-002	2010	BROADWAY	0.75	0.75	NOT IN USE	NO METER	N/A		102' EEC of 20th Street - 8' N of Pole Line	N/A	C-1	1	1
554	010-0218-003	2020	BROADWAY	0.75	1.0	COM	METERED	N/A	No Crop	129' WWC of 21st Street - 10' EWLL - 3' N of ROW	N/A	C-1	1	0
555	010-0218-015	2024	BROADWAY	2.0	2.0	COM	METERED	N/A	8" RH Gate Valve is 291' SSC of Broadway or 67' 6" SSC of Burnett Way & 13' WEC of 21st Street		N/A	C-1	1	0
556	010-0215-007	1939	BURNETT WAY	0.75	0.75	NOT IN USE	NO METER	N/A	52' WWPL 20th Street	NPL Burnett Way	N/A	C-1	1	1
557	010-0275-028	1942	BURNETT WAY	1.0	1.0	RES	NO METER	1" Retrofit		130' WWPL of 20th Street - 9' SSC of Burnett Way	Behind Sidewalk	C-1	1	0
558	010-0275-027	1948	BURNETT WAY	1.0	1.0	RES	NO METER	1" Retrofit			Behind Sidewalk	C-1	1	0
559	010-0275-026	1956	BURNETT WAY	1.0	1.0	RES	NO METER	1" Retrofit	20' WWPL of 20th Street.	SCL	Behind Sidewalk	C-1	1	0
560	010-0215-004	1969	BURNETT WAY	1.0	1.0	COM	METERED	N/A		1) 22' ewll - 1' nnc in meterbox (1/26/07) 2) 28' WWC of 20th Street, 2' NNC of Burnett Way	N/A	C-1	1	0
561	010-0218-012	2001	BURNETT WAY	1.0	1.0	NOT IN USE	NO METER	N/A			N/A	C-1	1	1
562	010-0276-020	2010	BURNETT WAY	1.0	1.0	RES	NO METER	1" Retrofit		60' EEPL of 20th - 1' SSC of Burnett	Behind Sidewalk	C-1	1	0
563	010-0218-011	2015	BURNETT WAY	1.0	1.0	NOT IN USE	NO METER	N/A			N/A	C-1	1	1
564	010-0276-022	2016	BURNETT WAY	1.0	1.0	RES	METERED	N/A			N/A	C-1	1	0
565	010-0218-010	2017	BURNETT WAY	1.0	1.0	NOT IN USE	NO METER	N/A	147' WWPL of Freeport Blvd.	NCL	N/A	C-1	1	1
566	010-0276-001	2024	BURNETT WAY	1.0	1.0	NOT IN USE	NO METER	N/A			N/A	C-1	1	1
567	010-0218-009	2027	BURNETT WAY	1.0	1.0	NOT IN USE	NO METER	N/A			N/A	C-1	1	1
568	012-0051-011	1941	CASTRO WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	14' E of 4" Valve on E line of WP Rt. Way	2' NN Cb. Castro Way	Landscape Strip	C-7	1	0
569	012-0051-010	2003	CASTRO WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	54' EEC on WP of R/R ROW - 13' WELL	12' WELL - 1' NNC o/Castro Wy in c/s box	Landscape Strip	C-7	1	0
570	012-0052-009	2006	CASTRO WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	59 1/2' EE line of WP Rt. Way, 6" W of E lot line (Change from O.P)	6" S of S Cb. Castro Way	Landscape Strip	C-7	1	0
571	012-0052-010	2014	CASTRO WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	60' EEPL, WPRR Rt. Way on W line of lot (Chg from O.P)	Back S. Cb. Castro	Landscape Strip	C-7	1	0
572	012-0051-009	2015	CASTRO WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	87' EEPL of WPRR ROW is 18' 6" WELL (Chg O.P)	2'6" NNC o/Castro Way	Landscape Strip	C-7	1	0
573	012-0051-008	2017	CASTRO WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	120' EEPL WPRR Rt. Way, 12' EW line	1.5' NN Cb. Castro Way	Landscape Strip	C-7	1	0
574	012-0052-011	2018	CASTRO WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	172 1/2' WW Cb. 21st and 6 1/2' WELL	2' SS Cb. Castro Way	Landscape Strip	C-7	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
575	012-0051-007	2025	CASTRO WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter		36' WELL, 6' EWLL, 2' NNC of Castro Way	Landscape Strip	C-7	1	0
576	012-0052-012	2026	CASTRO WAY	0.75	1.0	RES	NO METER	1" Service w/ Meter	Wheel Valve: 7' SSC - 152' WWC of 21st Street	22' WELL - 3' SSC of Castro Way	Landscape Strip	C-7	1	0
577	012-0052-013	2032	CASTRO WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter		1' SSC on EPL	Landscape Strip	C-7	1	0
578	013-0021-002	2114	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	108' EE Curb of 21st Street	North Rt. of Way	In Sidewalk	C-7	1	0
579	013-0021-003	2124	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	23' E of W line of lot	7' N of S line of lot	In Sidewalk	C-7	1	0
580	013-0021-004	2134	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	196' East of EPL 21st Street	North Rt. of Way	In Sidewalk	C-7	1	0
581	013-0021-005	2144	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid		29' EWLL - 7' NSLL	In Sidewalk	C-7	1	0
582	013-0021-006	2154	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid		26 1/2' WELL, 4 1/2' NSLL	In Sidewalk	C-7	1	0
583	013-0021-007	2164	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	26' WELL - 4' NSPL in ROW	27' WELL - 7' NSPL in ROW	In Sidewalk	C-7	1	0
584	013-0021-008	2174	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	13' WELL - 3' NSPL	Wheel Valve: 13' WELL - 4' NSPL in box	In Sidewalk	C-7	1	0
585	013-0021-009	2200	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	27' EWLL, 6' NSPL	27' EWLL, 9' NSPL	In Sidewalk	C-7	1	0
586	013-0021-010	2210	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid		29' WELL - 6' NSLL	In Sidewalk	C-7	1	0
587	013-0021-011	2220	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	76' WWPL Markham Way	North Line of Markham Way Rt. of Way	In Sidewalk	C-7	1	0
588	010-0345-006	2239	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid			In Sidewalk	C-7	1	0
589	010-0346-016	2303	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid		30' NSLL, 6' WEPL in Box W/lid	Behind Sidewalk	C-7	1	0
590	013-0022-018	2308	CASTRO WAY	1.0 & 1.0	1.0 & 1.0	RES	NO METER	1" Hybrid (2)		#1) 1 1/2' EWLL - NPL of Alley for 2 Apts, #2) 1 1/2' WELL - NPL of Alley for 3 Apts, 3' SSPL 1' EWLL	Behind Sidewalk	C-7	2	0
591	010-0346-022	2309	CASTRO WAY	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW	10' EWLL, 30' WELL & 8' SNPL of Alley	10' EWLL, 30' WELL & on SPL of Alley	Behind Sidewalk	C-4	1	0
592	013-0022-020	2324	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	217.5' W of WPL of 24th Street	@ NPL alley in box 20' E of W lot line in box	Behind Sidewalk	C-4	1	0
593	010-0346-013	2325	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	154' WW Sidewalk of 24th Street of 171' WW Curb of 24th Street	Same as CC 31 1/2' WELL SPL of Alley	Behind Sidewalk	C-4	1	0
594	013-0022-021	2332	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid		171 1/2' WWPL of lot - 185' WWC of 24th Street - 3' EWLL - NPL of Alley	Behind Sidewalk	C-4	1	0
595	010-0346-012	2333	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid		15' WELL - 1' SNLL	Behind Sidewalk	C-4	1	0
596	010-0346-011	2341	CASTRO WAY	2.0	2.0	RES	NO METER	2" Relocate to Street ROW	4' WELL - 15' NSPL of Alley	1' EWLL 3' SSPL in alley	Behind Sidewalk	C-4	1	0
597	013-0022-023	2348	CASTRO WAY	1.0	1.0	NOT IN USE	NO METER	N/A		90' WWPL of 24th Street - on WPL of Alley	N/A	C-4	1	1

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
598	013-0043-029	2601	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap	66' EEC of 26th - 12 1/2' NSPL of Alley	69' EEC of 26th - 2 1/2' NSPL of Alley	Behind Sidewalk	C-5	1	0
599	013-0044-002	2608	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid		27' WELL, 2' NSPL in Box	Behind Sidewalk	C-5	1	0
600	013-0043-028	2609	CASTRO WAY	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW	15' NSPL of Alley - 21' EWLL	1) 30.5' ewpl on spl.o/alley (9/16/06) 2) 24' EWLL - 2' NSPL of Alley	Behind Sidewalk	C-5	1	0
601	013-0044-003	2616	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	113' EE Curb of 26th Street, 4' EWLL	2 1/2' N of Main, 4' EWLL, 4' NSLL	Behind Sidewalk	C-5	1	0
602	013-0043-018	2617	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	138' EEC of 26th St, 6' SNPL of alley	140' EEC of 26th St, on SPL of alley in box	Behind Sidewalk	C-5	1	0
603	013-0044-004	2624	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	Same as corp and 4' NS lot line	25' WE lot line and 25' EW lot line	Behind Sidewalk	C-5	1	0
604	013-0043-017	2625	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid		30' EWLL - 18' WELL - SPL of Alley	Behind Sidewalk	C-5	1	0
605	013-0044-005	2632	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	215' EEPL of 26th Street	None	Behind Sidewalk	C-5	1	0
606	013-0043-016	2633	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid		11' EWLL - 39' WELL - 1' SSPL of Alley	Behind Sidewalk	C-5	1	0
607	013-0044-006	2640	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	7' EWLL - 43' WELL	5' EWLL 4' NSPL in box	Behind Sidewalk	C-5	1	0
608	013-0043-015	2641	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	21' 6" WELL 28' 6" EWLL 12' NSPL of Alley	21' 6" WELL 28' 6" EWLL on SPL of Alley	Behind Sidewalk	C-5	1	0
609	013-0044-007	2648	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid		15' EWLL - 6' NSPL of Lot in box.	Behind Sidewalk	C-5	1	0
610	013-0043-014	2649	CASTRO WAY	0.75	1.0	RES	NO METER	1" Hybrid		7' EWLL, 45' WELL, 2' SNPL	Behind Sidewalk	C-5	1	0
611	013-0044-008	2656	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid		10' EWLL, 6' NSLL	Behind Sidewalk	C-5	1	0
612	013-0043-013	2657	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	94' WWPL of 27th Street	SPL of Alley	Behind Sidewalk	C-5	1	0
613	013-0043-012	2661	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid		37' WWC of 27th St, 20' EWLL, 1' SSPL of alley in bkyl in c/s box	Behind Sidewalk	C-5	1	0
614	013-0044-009	2664	CASTRO WAY	1.5	1.0	RES	NO METER	1" Hybrid	41' WWC of 27th Street 1' SSLL	41' WWC of 27th Street - 3' NSLL in box	Behind Sidewalk	C-5	1	0
615	013-0052-001	2700	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	38' EEC of 27th Street - 2' SSPL of Lot	Same - 1' NSPL of Lot	Behind Sidewalk	C-5	1	0
616	013-0052-002	2710	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid		80' EEPL of 27th Street - 25' WELL - 3' NSLL	Behind Sidewalk	C-5	1	0
617	013-0051-037	2711	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	33' WELL, 77' EEC of 27th Street - 12' NSPL of Alley	33' WEPL, 1' NSPL of Alley in S/P	Behind Sidewalk	C-5	1	0
618	013-0052-003	2720	CASTRO WAY	0.75	1.0	RES	NO METER	1" Hybrid		18' WELL - 3' NSLL (In Standpipe)	Behind Sidewalk	C-5	1	0
619	013-0051-036	2721	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid		15' WELL - Near NPL of Lot	Behind Sidewalk	C-5	1	0
620	013-0052-004	2730	CASTRO WAY	0.75	1.0	RES	NO METER	1" Hybrid		14' WELL, 2' NSPL in Standpipe	Behind Sidewalk	C-5	1	0
621	013-0051-035	2731	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid		23' WELL - 1' NSPL of Alley	Behind Sidewalk	C-5	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
622	013-0052-005	2740	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	29' WELL - 1' SSSL	29' WELL - 1' NSLL	Behind Sidewalk	C-6	1	0
623	013-0051-034	2741	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid		16' EWLL - @ NLL	Behind Sidewalk	C-6	1	0
624	013-0052-006	2750	CASTRO WAY	0.75	1.0	RES	NO METER	1" Hybrid	280' EEPL of 27th Street	North Rt. of Way	Behind Sidewalk	C-6	1	0
625	013-0051-033	2751	CASTRO WAY	0.75	1.0	RES	NO METER	1" Hybrid	275' EEPL 27th Street		Behind Sidewalk	C-6	1	0
626	013-0052-007	2760	CASTRO WAY	0.75	1.0	RES	NO METER	1" Hybrid	11' EWLL - 4' NSLL	Same - 7' NSLL	Behind Sidewalk	C-6	1	0
627	013-0051-032	2761	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	31' EWLL - 19' WELL - 1' NSPL of Alley	30' EWLL - 20' WELL - 12.5' NSPL of Alley	Behind Sidewalk	C-6	1	0
628	013-0052-008	2800	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	20' EWLL	Same - 5' NSLL	Behind Sidewalk	C-6	1	0
629	013-0051-031	2801	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid		12' EWLL on SPL of Alley in Box	Behind Sidewalk	C-6	1	0
630	013-0052-009	2810	CASTRO WAY	0.75	1.0	RES	NO METER	1" Hybrid		21' WELL - 5' NSLL in S pipe	Behind Sidewalk	C-6	1	0
631	013-0051-030	2811	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	26' WEPL of 2811, 12' NSPL of alley (3/4/06)	1) 25' WEPL of 2811, 1' NSPL of alley (3/4/06) 2) SPL of Alley	Behind Sidewalk	C-6	1	0
632	013-0052-010	2820	CASTRO WAY	0.75	1.0	RES	NO METER	1" Hybrid	388' WWPL of Franklin Blvd	North Rt. of Way	Behind Sidewalk	C-6	1	0
633	013-0051-029	2821	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid		29' WELL - on SPL of Alley	Behind Sidewalk	C-6	1	0
634	013-0052-011	2830	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid		15' WELL - 3' NSLL	Behind Sidewalk	C-6	1	0
635	013-0051-028	2831	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	Same as corp and 6' S of N lot line	13' E of W lot line and 39' W of E lot line	Behind Sidewalk	C-6	1	0
636	013-0052-012	2840	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	42' EWLL, 1' NSPL	42' EWLL, 5' NSPL in S/P	Behind Sidewalk	C-6	1	0
637	013-0051-027	2841	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	287' WWPL of Franklin Blvd	South Rt. of Way	Behind Sidewalk	C-6	1	0
638	013-0052-013	2850	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	38' EWLL - 12' WELL - 6' NSPL Rt. of Way		Behind Sidewalk	C-6	1	0
639	013-0051-026	2851	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	17' EWLL - 34' WELL	17' EWLL - 4' SNPL	Behind Sidewalk	C-6	1	0
640	013-0052-014	2860	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	8' WELL - 1' SNLL	7' WELL - 2' NSLL	Behind Sidewalk	C-6	1	0
641	013-0051-025	2861	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	187' WWPL Franklin Blvd, 31' WELL	Same as corp cock - 4' S of Main	Behind Sidewalk	C-6	1	0
642	013-0052-015	2870	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid		25' EWLL - 3' NSLL in S. pipe	Behind Sidewalk	C-6	1	0
643	013-0051-024	2871	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	17' EWLL - 1' 6" SNPL in Right of Way	17' 6" EWLL - 2' 6" SNPL in Right of Way	Behind Sidewalk	C-6	1	0
644	013-0052-016	2880	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	56' WWPL Franklin, 68' WWPL Franklin	Same as corp cock - 5' WEPL of lot, 1' NSLL	Behind Sidewalk	C-6	1	0
645	013-0051-023	2881	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	3' SNLL & 26' WELL	7' SNLL & 26' WELL	Behind Sidewalk	C-6	1	0
646	013-0052-017	2890	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid		65' WWC of Franklin - 5' NSLL	Landscape Strip	C-11	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
647	013-0051-022	2891	CASTRO WAY	1.0	1.0	RES	NO METER	1" Hybrid	66' W W Curb of Franklin Blvd, 4' EWLL	3' S of Main, 4' SNLL	Behind Sidewalk	C-6	1	0
648	013-0022-022		CASTRO WAY	1.0	1.0	NOT IN USE	NO METER	N/A			N/A	C-4	1	1
649	013-0022-019		CASTRO WAY	1.0	1.0	NOT IN USE	NO METER	N/A			N/A	C-4	1	1
650	013-0201-020	2401	DONNER WAY	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap		48' EEPL of 24th Street on SPL of Alley	Landscape Strip	C-16	1	0
651	013-0201-019	2409	DONNER WAY	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap	80' EEPL of 24th Street	1) 20' well - 1' nrl in the alley in box (1/28/07) 2) 21' well on spl o/alley in SP (1/24/07) 3) South Alley line	Landscape Strip	C-16	1	0
652	013-0201-018	2419	DONNER WAY	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap	119' EEPL of 24th St	29' WELL or 20' EWLL, 1' NSPL Alley in box	Landscape Strip	C-16	1	0
653	013-0201-017	2425	DONNER WAY	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap	181' EEPL of 24th Street	South Alley Line	Landscape Strip	C-16	1	0
654	013-0201-016	2439	DONNER WAY	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap		22 1/2' EWPL of Lot - on SPL of Alley	Landscape Strip	C-16	1	0
655	013-0201-015	2445	DONNER WAY	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap		4 1/2' WELL, 6' SNPL of Alley	Landscape Strip	C-16	1	0
656	013-0201-014	2449	DONNER WAY	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap	172' WWC of 25th Street	12' WELL - 1' NSPL of alley in s/p	Landscape Strip	C-16	1	0
657	013-0201-013	2457	DONNER WAY	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap		WV. Loc. 34' WELL - on SPL of Alley, 16' EWLL.	Landscape Strip	C-16	1	0
658	013-0201-012	2477	DONNER WAY	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap	73' WWPL of 25th Street, 24' EWLL	SPL of Alley	Landscape Strip	C-16	1	0
659	013-0203-017	2509	DONNER WAY	1.0	1.0	RES	NO METER	1" Retrofit		30' EWLL - on SPL of Alley in Standpipe	Landscape Strip	C-16	1	0
660	013-0203-016	2527	DONNER WAY	1.0	1.0	RES	NO METER	1" Retrofit	198.6' EECb 25th Street	S line of Alley	Landscape Strip	C-16	1	0
661	013-0203-015	2535	DONNER WAY	1.5	1.0	RES	NO METER	1" Retrofit	22' WELL - 7' NSPL of Alley	22' WELL - 2' SSPL of Alley - 2' NSPL	Unimproved Alley	C-17	1	0
662	013-0203-014	2545	DONNER WAY	1.5	1.0	RES	NO METER	1" Retrofit	200' WWC of 26th Street, 8' NSPL of Alley	30' EWLL - 20' WELL - 1 1/2' SSPL of Alley in Standpipe	Unimproved Alley	C-17	1	0
663	013-0203-013	2555	DONNER WAY	1.0	1.0	RES	NO METER	1" Retrofit		124' WWPL of 26th Street @ SPL of Alley	Unimproved Alley	C-17	1	0
664	013-0203-012	2557	DONNER WAY	1.0	1.0	RES	NO METER	1" Retrofit	85' WW curb of 26th Street, 25' WELL	SPL Alley	Unimproved Alley	C-17	1	0
665	013-0203-011	2571	DONNER WAY	1.5	1.5	RES	NO METER	1.5" Retrofit		27' WWC of 26th - SPL of Alley	Unimproved Alley	C-17	1	0
666	013-0211-020	2601	DONNER WAY	1.0	1.0	RES	NO METER	1" Retrofit	25' EEPL 26th Street	South Alley Line	Concrete Alley	C-17	1	0
667	013-0211-019	2615	DONNER WAY	1.0	1.0	RES	NO METER	1" Retrofit		27' WELL - SPL of Alley	Concrete Alley	C-17	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex-Tap Size (in)	New-Tap Size (in)	Service Type	Meter Status	Service Type	Ex-Corp Stop Location (per historical records)	Ex-Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
668	013-0211-018	2623	DONNER WAY	1.0	1.0	RES	NO METER	1" Retrofit	1" corp is 24' EWLL and 8' NSPL of ALLEY (4/20/06)	1) 1" c/s is 24' EWLL and 2' NSPL OF ALLEY (4/20/06) 2) 24' EWLL, 27' WELL, 1' NSLL in box (4/3/06) 3) WV. Loc. 24' EWLL - 1' NSPL of Alley	Concrete Alley	C-17	1	0
669	013-0211-017	2633	DONNER WAY	1.0	1.0	RES	NO METER	1" Retrofit		WV. Loc. 27' EWLL - 1' NSPL of Alley (Standpipe)	Concrete Alley	C-17	1	0
670	013-0211-016	2635	DONNER WAY	1.0	1.0	RES	NO METER	1" Retrofit		20' WEPL, 1' NSPL of alley in black standpipe	Concrete Alley	C-17	1	0
671	013-0211-015	2647	DONNER WAY	1.0	1.0	RES	NO METER	1" Retrofit		22' WELL - on SPL of Alley	Concrete Alley	C-17	1	0
672	013-0211-014	2651	DONNER WAY	1.0	1.0	RES	NO METER	1" Retrofit			Concrete Alley	C-17	1	0
673	013-0211-013	2661	DONNER WAY	1.0	1.0	RES	NO METER	1" Retrofit		5' NSLL, 5' EWLL	Concrete Alley	C-17	1	0
674	013-0211-012	2665	DONNER WAY	1.0	1.0	RES	NO METER	1" Retrofit	8' WELL, 1' NSPL of Alley	67' WWC of 27th Street, 7' NSPL of Alley. Lot Map 220	Concrete Alley	C-17	1	0
675	013-0211-011	2675	DONNER WAY	1.0	1.0	RES	NO METER	1" Retrofit		12 1/2' EWLL - 4' SSPL of Alley (in standpipe)	Concrete Alley	C-18	1	0
676	013-0212-021	2701	DONNER WAY	1.0	1.0	RES	NO METER	1" Retrofit		54' EEC of 27th Street - at SPL of Alley in Standpipe	Asphalt Alley	C-18	1	0
677	013-0212-020	2709	DONNER WAY	1.0	1.0	RES	NO METER	1" Retrofit		93' EEC of 27th Street - 2' SSPL of Alley	Asphalt Alley	C-18	1	0
678	013-0212-019	2723	DONNER WAY	1.0	1.0	RES	NO METER	1" Retrofit	10' EWLL - 7' NSPL of Alley	Same - 1' NSPL of Alley	Asphalt Alley	C-18	1	0
679	013-0212-018	2725	DONNER WAY	1.0	1.0	RES	NO METER	1" Retrofit			Asphalt Alley	C-18	1	0
680	013-0212-017	2733	DONNER WAY	1.0	1.0	RES	NO METER	1" Retrofit		30' WELL - SPL of Alley	Asphalt Alley	C-18	1	0
681	013-0212-016	2741	DONNER WAY	1.0	1.0	RES	NO METER	1" Retrofit	255' WWPL Franklin Blvd	SPL Alley	Asphalt Alley	C-18	1	0
682	013-0212-015	2749	DONNER WAY	2.0 & 1.0	1.0	RES	NO METER	1" Retrofit	21' EWLL and 9' NSPL of Alley	21' EWPL on SPL of Alley	Asphalt Alley	C-18	1	0
683	013-0212-014	2759	DONNER WAY	1.0	1.0	RES	NO METER	1" Retrofit		4' WELL - 1' SSPL of Alley in s/p	Asphalt Alley	C-18	1	0
684	013-0212-013	2765	DONNER WAY	1.5	1.5	RES	NO METER	1.5" Retrofit	62' WWPL of Franklin Bl	W/V - 49' EWLL, 78' WWC, 1' NSPL of alley in standpipe	Asphalt Alley	C-18	1	0
685	010-0342-001	2700	FLORENCE PL	1.0	1.0	RES	NO METER	1" Hybrid	East ROW	45' SSPL of 2nd Ave	Behind Sidewalk	C-3	1	0
686	010-0343-014	2701	FLORENCE PL	1.0	1.0	RES	NO METER	1" Hybrid	48' 9" SSC of 2nd Ave - 2 1/2' E of ROW.	47' SSC of 2nd Ave - 16' NSLL - 1' WELL ROW in box	Landscape Strip	C-3	1	0
687	010-0342-002	2704	FLORENCE PL	1.0	1.0	RES	NO METER	1" Hybrid	2 1/2" Tee, 90'SSPL 2nd Ave., 10'NSLL	4'EWLL, 36'SNLL, 11'NSLL in c/s box	Behind Sidewalk	C-3	1	0
688	010-0343-013	2705	FLORENCE PL	1.0	1.0	RES	NO METER	1" Hybrid		24' NSLL - 1' WELL	Behind Sidewalk	C-3	1	0
689	010-0342-003	2708	FLORENCE PL	1.0	1.0	RES	NO METER	1" Hybrid	70' WWPL Florence Place	North Line of Rt. of Way	Behind Sidewalk	C-3	1	0
690	010-0343-012	2709	FLORENCE PL	0.75	1.0	RES	NO METER	1" Hybrid	58' EEPL Florence Place	North Line of Rt. of Way	Behind Sidewalk	C-3	1	0
691	010-0342-004	2712	FLORENCE PL	1.0	1.0	RES	NO METER	1" Hybrid	50' WWPL of Florence Place	South Rt. of Way	Behind Sidewalk	C-3	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
692	010-0343-011	2715	FLORENCE PL	1.0	1.0	RES	NO METER	1" Hybrid			Behind Sidewalk	C-3	1	0
693	010-0342-005	2716	FLORENCE PL	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW		WV 16 1/2' SNLL - 3' E of ROW in Standpipe	In Sidewalk	C-7	1	0
694	010-0343-016	2717	FLORENCE PL	1.0	1.0	RES	NO METER	1" Hybrid	24' SNLL - 2 1/2' E of ROW.	Same - 1 W of ROW in Standpipe	In Sidewalk	C-7	1	0
695	010-0342-006	2720	FLORENCE PL	1.0	1.0	RES	NO METER	1" Hybrid		20' NSLL, 2' EWLL	In Sidewalk	C-7	1	0
696	010-0343-015	2721	FLORENCE PL	1.0	1.0	RES	NO METER	1" Hybrid	31' SNLL - 6' W of ROW	31' SNLL - 3 1/2' W of ROW in Standpipe	In Sidewalk	C-7	1	0
697	010-0342-007	2724	FLORENCE PL	1.25	1.0	RES	NO METER	1" Hybrid	71' NNC of Castro - 4' NNLL - 1' E of ROW	27' NSLL @ WLL in Standpipe	In Sidewalk	C-7	1	0
698	010-0343-008	2725	FLORENCE PL	1.0	1.0	RES	NO METER	1" Hybrid	55 1/2' NNPL - 60' NNC of Castro Wy - 4' SNLL 18" W of ROW	55' NNPL - 59 1/2' NNC of Castro - 4' W of ROW 4 1/2' SNLL in Standpipe	In Sidewalk	C-7	1	0
699	013-0138-022	0	FRANKLIN BLVD	1.0	1.0	NOT IN USE	NO METER	N/A			N/A	C-15	1	1
700	010-0293-011	2686	FRANKLIN BLVD	1.0	1.0	RES	NO METER	1" Retrofit	35' NNC of 2nd Avenue West - 15' EWC of Franklin Blvd.	57 1/2' WWC of Franklin - 6' NNC of 2nd	Landscape Strip	C-6	1	0
701	013-0051-019	2700	FRANKLIN BLVD	1.0	1.0	RES	NO METER	1" Retrofit		10'EWPL-7' SSC of 2nd Avenue in s/p	Landscape Strip	C-6	1	0
702	013-0051-020	2708	FRANKLIN BLVD	0.75	1.0	RES	NO METER	1" Retrofit		1) 6' nnll - 2' wwc in box (01/29/07) 2) 54' SSC of 2nd Avenue - 2' WWC of Franklin Blvd.	Landscape Strip	C-6	1	0
703	013-0051-021	2716	FRANKLIN BLVD	0.75	1.0	RES	NO METER	1" Hybrid	95' SSPL 2nd Avenue	WPL	Landscape Strip	C-6	1	0
704	010-0363-025	2717	FRANKLIN BLVD	1.0	1.0	RES	NO METER	1" Retrofit	87' EE Curb of Franklin Blvd- 49' WELL	NPL of Alley	Landscape Strip	C-6	1	0
705	010-0363-032	2725	FRANKLIN BLVD	0.75	1.0	RES	NO METER	1" Retrofit	57' NNPL 3rd Avenue	EPL	Landscape Strip	C-6	1	0
706	010-0363-022	2741	FRANKLIN BLVD	1.5	1.5	COM	NO METER	2" Service w/ Meter		124 1/2' EEC of Franklin - 2' SSPL of Alley in Stand Pipe	Landscape Strip	C-6	1	0
707	010-0362-006	2801	FRANKLIN BLVD	1.5	1.5	COM	METERED	2" Service to Meter Box	9' EWC of Franklin, 72' SSC (W. Side) of 3rd Avenue	1' Back of Curb	Landscape Strip	C-6	1	0
708	010-0362-003	2811	FRANKLIN BLVD	1.0	1.0	COM	METERED	1" Service to Meter Box	88' from SSPL of 3rd Ave 100' SSCb of 3rd Ave 24' NSPL	WPL of 30th Street	Landscape Strip	C-11	1	0
709	013-0091-016	2814	FRANKLIN BLVD	1.5	1.0	RES	NO METER	1" Hybrid		110' SSC of 3rd Avenue - 2' EEC of Franklin Blvd.	Landscape Strip	C-11	1	0
710	013-0091-017	2816	FRANKLIN BLVD	1.0	1.0	RES	NO METER	1" Hybrid	52' WW Curb of Franklin Blvd- 39' WWPL of Franklin Blvd	NPL of Lot	Landscape Strip	C-11	1	0
711	010-0362-004	2829	FRANKLIN BLVD	1.0	1.0	COM	NO METER	1" Service w/ Meter	147' NNC 4th Av & 6' EWC of 30th Street	1' WWC of 30th Street & 8' NNPL of Alley 3 - 4 Av	Landscape Strip	C-11	1	0
712	013-0091-038	2830	FRANKLIN BLVD	1.0	1.0	COM	METERED	1" Service to Meter Box		22' EWLL - 6' NNC of 4th Avenue	Landscape Strip	C-11	1	0
713	013-0092-019	2900	FRANKLIN BLVD	1.0	1.0	COM	METERED	1" Service to Meter Box		114' WWC of Franklin - 1' SSC of fourth Avenue	Landscape Strip	C-11	1	0
714	013-0092-020	2904	FRANKLIN BLVD	1.0	1.0	COM	METERED	N/A	67' SSPL of 4th Avenue	West Curb of Franklin	Landscape Strip	C-11	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
715	013-0092-021	2908	FRANKLIN BLVD	1.0	1.0	COM	METERED	N/A	100.6' SS Cb. 4th Avenue	19' 5 NSLL on WC Franklin Blvd - RO 62264, 4' back W Cb. 20' NSLL - 2' WWC Franklin - RO 67516	Landscape Strip	C-11	1	0
716	013-0092-022	2910	FRANKLIN BLVD	1.0	1.0	COM	METERED	N/A	18' SNLL - 22' NSLL - 7' EWC of Franklin Boulevard	1' WWC of Franklin Blvd. in meter box	Landscape Strip	C-15	1	0
717	013-0092-023	2916	FRANKLIN BLVD	1.0	1.0	RES	NO METER	1" Retrofit		40' SNLL, 1' behind curb	Landscape Strip	C-15	1	0
718	013-0092-024	2922	FRANKLIN BLVD	1.0	1.0	RES	NO METER	1" Retrofit	266' SSPL of 4th Avenue	Back of W Curb of Franklin	Landscape Strip	C-15	1	0
719	013-0092-025	2924	FRANKLIN BLVD	1.0	1.0	RES	NO METER	1" Retrofit			Landscape Strip	C-15	1	0
720	013-0103-027	2925	FRANKLIN BLVD	2.0	2.0	RES	METERED	N/A		2' EEC of Franklin - On SLL	N/A	C-15	1	0
721	013-0103-032	2935	FRANKLIN BLVD	1.5 & 1.0	1.5 & 1.0	RES	NO METER	1.5" Service to Meter Box (1) & 1" Hybrid w/ Hot Tap (1)		2' EEC of Franklin - On SLL	Landscape Strip	C-15	2	0
722	013-0121-025	2940	FRANKLIN BLVD	1.0	1.0	RES	NO METER	1" Retrofit		53' SSC of Marshall, 1' NSLL, 1' WWC of Franklin in c/s box.	Landscape Strip	C-15	1	0
723	013-0121-026	2944	FRANKLIN BLVD	1.0	1.0	RES	NO METER	1" Retrofit	45' SSPL of Marshall Way	1) 41' NSLL, 2' SNLL, 1' WWC of Franklin Blvd. (11/10/05) 2) 2' SNLL, 1' WWC in Carson box (11/9/05)	Landscape Strip	C-15	1	0
724	013-0103-024	2945	FRANKLIN BLVD	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap	64' EEPL Franklin Blvd	South line of Rt. of Way	Landscape Strip	C-15	1	0
725	013-0103-022	2949	FRANKLIN BLVD	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap		120' NNC of Marshall Way - 1' EEC of Franklin	Landscape Strip	C-15	1	0
726	013-0121-027	2952	FRANKLIN BLVD	1.0	1.0	RES	NO METER	1" Retrofit		10' SNLL - 60' NSLL - 2' WWC of Franklin Blvd.	Landscape Strip	C-15	1	0
727	013-0103-021	2953	FRANKLIN BLVD	1.0	1.0	RES	NO METER	1" Retrofit		2' NSLL - 1' Behind curb	Landscape Strip	C-15	1	0
728	013-0121-028	2956	FRANKLIN BLVD	1.0	1.0	RES	NO METER	1" Retrofit	95' NNPL of Portola Way	WPL Franklin	Landscape Strip	C-15	1	0
729	013-0103-020	2957	FRANKLIN BLVD	1.0	1.0	RES	NO METER	1" Retrofit		1' EEC of Franklin - On NPL of lot	Landscape Strip	C-15	1	0
730	013-0123-013	2980	FRANKLIN BLVD	1.0	1.0	RES	NO METER	1" Retrofit	18' 6" WWPL Franklin Blvd	NPL Alley	Concrete Alley	C-18	1	0
731	013-0123-014	2986	FRANKLIN BLVD	1.0	1.0	RES	NO METER	1" Retrofit		So. Side of Alley - E or W line of Lot (under Tree)	Concrete Alley	C-18	1	0
732	013-0123-015	2998	FRANKLIN BLVD	1.0	1.0	COM	METERED	N/A		41' NNC of 5th - 1' EEC of Franklin	Concrete Alley	C-18	1	0
733	013-0212-011	3000	FRANKLIN BLVD	0.75	1.0	COM	METERED	N/A		90' NNPL of Alley, 2 1/2' WWC of Franklin Blvd.	Asphalt Alley	C-18	1	0
734	013-0212-012	3008	FRANKLIN BLVD	0.75	1.0	RES	NO METER	1" Retrofit	87' WWC of Franklin Blvd. NPL of Alley	87' WWC of Franklin on NPL of Alley in Box	Asphalt Alley	C-18	1	0
735	013-0081-001	2900	HIGHLAND AVE	1.0	1.0	RES	NO METER	1" Hybrid	60' SS Curb of 4th Ave, 11' NSPL of Lot	3 1/2' W of Main	Behind Sidewalk	C-9	1	0
736	013-0082-022	2907	HIGHLAND AVE	1.0	1.0	RES	NO METER	1" Hybrid	110' SSPL of 4th Ave	West Rt. of Way	Behind Sidewalk	C-9	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
737	013-0081-002	2908	HIGHLAND AVE	1.0	1.0	RES	NO METER	1" Hybrid	89' SSPL of 4th Ave	East Rt. of Way	Behind Sidewalk	C-9	1	0
738	013-0082-021	2911	HIGHLAND AVE	1.0	1.0	RES	NO METER	1" Hybrid	5' NSLL, 1' EEPL ROW	5' NSLL on the ELL	Behind Sidewalk	C-9	1	0
739	013-0081-003	2912	HIGHLAND AVE	1.0	1.0	RES	NO METER	1" Hybrid	151' SSPL of 4th Ave	E Rt. of Way	Behind Sidewalk	C-9	1	0
740	013-0082-020	2915	HIGHLAND AVE	1.5	1.0	RES	NO METER	1" Hybrid		20' NSLL 2' WELL	Behind Sidewalk	C-9	1	0
741	013-0081-004	2916	HIGHLAND AVE	0.75	1.0	RES	NO METER	1" Hybrid	188' SSPL of 4th Ave	East Rt. of Way	Behind Sidewalk	C-9	1	0
742	013-0082-019	2919	HIGHLAND AVE	1.0	1.0	RES	NO METER	1" Hybrid	24' NSLL 4 1/2' WEPL of ROW	Same 2' EEPL of ROW	Behind Sidewalk	C-9	1	0
743	013-0081-005	2920	HIGHLAND AVE	1.0	1.0	RES	NO METER	1" Hybrid		28' SNLL 22' NSLL 4' EWPL of Lot	Behind Sidewalk	C-9	1	0
744	013-0082-018	2923	HIGHLAND AVE	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW	314' NNPL of Marshall Way	West Rt. of Way	Behind Sidewalk	C-13	1	0
745	013-0081-006	2924	HIGHLAND AVE	1.0	1.0	RES	NO METER	1" Hybrid	24' NSLL 3' EWLL	22' NSLL 5' EWLL in Meter box	Behind Sidewalk	C-13	1	0
746	013-0081-007	2928	HIGHLAND AVE	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW	25' NSLL 25' SNLL 3' EWLL	Same 6' EWLL	Behind Sidewalk	C-13	1	0
747	013-0082-017	2929	HIGHLAND AVE	1.0	1.0	RES	NO METER	1" Hybrid			Behind Sidewalk	C-13	1	0
748	013-0082-016	2931	HIGHLAND AVE	1.0	1.0	RES	NO METER	1" Hybrid	224' NNPL of Marshall Way	W Rt. of Way	Behind Sidewalk	C-13	1	0
749	013-0081-008	2932	HIGHLAND AVE	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW	1) 16' NSLL - 2' EWPL (6/7/06) 2) 12' NSLL - 3' EWLL (6/5/06) 2) 220' NNPL of Marshall Way	1) 12' NSLL - 6' EWLL in box (6/5/06) 2) E Rt. of Way	Behind Sidewalk	C-13	1	0
750	013-0081-009	2936	HIGHLAND AVE	1.0	1.0	RES	NO METER	1" Hybrid	179' NNPL of Marshall Way	West Rt. of Way	Behind Sidewalk	C-13	1	0
751	013-0082-015	2939	HIGHLAND AVE	1.0	1.0	RES	NO METER	1" Hybrid	22' SNLL-28' NSLL and 2' WELL	22' SNLL 1' WEPL in row in s/p	Behind Sidewalk	C-13	1	0
752	013-0082-014	2941	HIGHLAND AVE	1.0	1.0	RES	NO METER	1" Hybrid	15' NSLL, 3' EEPL Rt. of Way	15' NSLL, 2' WEPL Rt. of Way	Behind Sidewalk	C-13	1	0
753	013-0081-010	2942	HIGHLAND AVE	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW	114' NNPL of Marshall Way	None	Behind Sidewalk	C-13	1	0
754	013-0082-013	2947	HIGHLAND AVE	1.0	1.0	RES	NO METER	1" Hybrid		18' NSLL & 3' WELL	Behind Sidewalk	C-13	1	0
755	013-0081-011	2948	HIGHLAND AVE	1.5	1.0	RES	NO METER	1" Hybrid	84' NNPL of Marshall Way	East Rt. of Way	Behind Sidewalk	C-13	1	0
756	013-0081-012	2954	HIGHLAND AVE	1.0	1.0	RES	NO METER	1" Hybrid		26' NNC of Marshall 6' EWPL inside Garage	Behind Sidewalk	C-13	1	0
757	010-0275-010	1929	LARKIN WAY	1.0	1.0	RES	NO METER	1" Retrofit	100' NN curb of 20th Street 14.5' WEPL of lot	1' NN curb of Larkin Way	Landscape Strip	C-2	1	0
758	010-0337-045	1930	LARKIN WAY	0.75	1.0	RES	NO METER	1" Retrofit		101' WWC of 20th - 3' SSC of Larkin ELL	Landscape Strip	C-2	1	0
759	010-0337-044	1932	LARKIN WAY	0.75	1.0	RES	NO METER	1" Retrofit		3' SSC of Larkin - 1' EWLL	Landscape Strip	C-2	1	0
760	010-0275-009	1933	LARKIN WAY	0.75	1.0	RES	NO METER	1" Retrofit	405' WWPL Freeport Blvd	NPL	Landscape Strip	C-2	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

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761	010-0337-043	1940	LARKIN WAY	0.75	1.0	RES	NO METER	1" Retrofit	6' SNC of Larkin - 23' WWC of 20th Street	11' WELL - 3' SNC of Larkin Way	Landscape Strip	C-2	1	0
762	010-0275-008	1941	LARKIN WAY	0.75	1.0	RES	NO METER	1" Retrofit			Landscape Strip	C-2	1	0
763	010-0337-042	1948	LARKIN WAY	0.75	1.0	RES	NO METER	1" Retrofit	6' SNC of Larkin - 2' SNC WWC of 20	4' EWLL - 2' SNC of Larkin in Standpipe	Landscape Strip	C-2	1	0
764	010-0337-041	2000	LARKIN WAY	0.75	1.0	RES	NO METER	1" Retrofit	243' WWPL Freeport Blvd	SPL Larkin Way	Landscape Strip	C-2	1	0
765	010-0277-008	2001	LARKIN WAY	0.75	1.0	RES	NO METER	1" Retrofit	18' NNC of Larkin - 8' EWC of 20th Street	18' NNC of Larkin - 5' EEC of 20th Street in Standpipe	Landscape Strip	C-2	1	0
766	010-0337-040	2008	LARKIN WAY	1.0	1.0	RES	NO METER	1" Retrofit	43' EEPL 20th Street 47' 6" EEC 20th Street	Same as corp - 22' WELL, 1' SSC Larkin Way	Landscape Strip	C-2	1	0
767	010-0277-007	2009	LARKIN WAY	0.75	1.0	RES	NO METER	1" Retrofit		ELL - 1' NNC of Larkin Way	Landscape Strip	C-2	1	0
768	010-0277-006	2015	LARKIN WAY	0.75	1.0	RES	NO METER	1" Retrofit	180' WWPL of Freeport Blvd	10' WELL, 1' NNC Larkin Way	Landscape Strip	C-2	1	0
769	010-0337-039	2016	LARKIN WAY	0.75	1.0	RES	NO METER	1" Retrofit	162' WWPL Freeport Blvd	SPL Larkin Way	Landscape Strip	C-2	1	0
770	010-0337-038	2024	LARKIN WAY	0.75	1.0	RES	NO METER	1" Retrofit	26' NSC on WLL	1' EWLL 1' SSC	Landscape Strip	C-2	1	0
771	012-0052-008	2035	MARKHAM WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	NC of Markham	212' WWPL of 21st Street, 1' NNC of Markham	In Sidewalk	C-7	1	0
772	012-0053-009	2038	MARKHAM WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	147.5' WWPL 21st St, 3.5' WEL of Lot (Chg. O.P.)	Back S Cb Markham Way	In Sidewalk	C-7	1	0
773	012-0053-010	2040	MARKHAM WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	146.5' WWPL 21st St, 2.5' WWLL	Back S Curb Markham Way	In Sidewalk	C-7	1	0
774	012-0052-007	2045	MARKHAM WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	161' WWPL 21st St, 1' WEL Lot (Chg. O.P.)	Back N Cb Markham Way	In Sidewalk	C-7	1	0
775	012-0052-006	2049	MARKHAM WAY	0.75	1.0	RES	NO METER	1" Service w/ Meter		1' NNC of Markham - at WPL of Lot	In Sidewalk	C-7	1	0
776	013-0022-002	2110	MARKHAM WAY	1.0	1.0	RES	NO METER	1" Hybrid	65' 6" EEC of 21st St, 4' 6" EWLL at NPL Alley	4 1/2' EWLL on SPL in alley	In Sidewalk	C-7	1	0
777	013-0021-022	2111	MARKHAM WAY	1.0	1.0	RES	NO METER	1" Hybrid		16' WELL - 6" SNLL	In Sidewalk	C-7	1	0
778	013-0022-003	2120	MARKHAM WAY	1.0	1.0	RES	NO METER	1" Hybrid		19' EWLL, NPL of Alley	In Sidewalk	C-7	1	0
779	013-0021-021	2121	MARKHAM WAY	1.0	1.0	RES	NO METER	1" Hybrid	138' EEPL of 21st Street	South Rt of Way	In Sidewalk	C-7	1	0
780	013-0022-004	2130	MARKHAM WAY	1.0	1.0	RES	NO METER	1" Hybrid	33' WELL, 8' SNPL of Alley	33' WELL, 1' SNPL of alley in box	In Sidewalk	C-7	1	0
781	013-0021-020	2131	MARKHAM WAY	1.0	1.0	RES	NO METER	1" Hybrid	182' EEPL of 21st Street	South Rt of Way	In Sidewalk	C-7	1	0
782	013-0022-005	2140	MARKHAM WAY	1.0	1.0	RES	NO METER	1" Hybrid	230' EEPL of 21st Street	NPL of Alley	In Sidewalk	C-7	1	0
783	013-0021-019	2141	MARKHAM WAY	1.0	1.0	RES	NO METER	1" Hybrid		14' EWLL, 1' NNPL of lot in c/s box	In Sidewalk	C-7	1	0
784	013-0022-006	2150	MARKHAM WAY	1.0	1.0	RES	NO METER	1" Hybrid		25' WELL - 31' EWLL into Alley @ Rear	In Sidewalk	C-7	1	0
785	013-0021-018	2151	MARKHAM WAY	1.0	1.0	RES	NO METER	1" Hybrid		28' WELL, 3' SNLL	In Sidewalk	C-7	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
786	013-0022-007	2160	MARKHAM WAY	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW	347' EEPL 21st St	NPL Alley	In Sidewalk	C-7	1	0
787	013-0021-017	2161	MARKHAM WAY	1.0	1.0	RES	NO METER	1" Hybrid		WV. Loc. 15' EWPL of Lot - NLL	In Sidewalk	C-7	1	0
788	013-0022-008	2170	MARKHAM WAY	1.0	1.0	RES	NO METER	1" Hybrid		11' WELL - on NPL of Alley	In Sidewalk	C-7	1	0
789	013-0021-016	2171	MARKHAM WAY	1.0	1.0	RES	NO METER	1" Hybrid		27 1/2' EWLL - 1' SNLL	In Sidewalk	C-7	1	0
790	013-0022-009	2204	MARKHAM WAY	1.0	1.0	RES	NO METER	1" Hybrid	35' EWLL, 9' SSSL	35' EWLL, 2' SSSL in Meter Box	In Sidewalk	C-7	1	0
791	013-0021-015	2207	MARKHAM WAY	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW		WV. Loc. 33' EWLL, 1 SNLL in SP	In Sidewalk	C-7	1	0
792	013-0022-010	2210	MARKHAM WAY	1.0	1.0	RES	NO METER	1" Hybrid	30' EWLL, 7' SNPL of Alley	31' EWLL, NPL of Alley	In Sidewalk	C-7	1	0
793	013-0022-011	2220	MARKHAM WAY	1.0	1.0	RES	NO METER	1" Hybrid	570 WWPL of 24th St	NPL Alley	In Sidewalk	C-7	1	0
794	013-0021-014	2221	MARKHAM WAY	1.0	1.0	RES	NO METER	1" Hybrid		15' WELL - 1' NNPL in ROW	In Sidewalk	C-7	1	0
795	013-0022-012	2230	MARKHAM WAY	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW		46' WELL - on NPL of Alley	In Sidewalk	C-7	1	0
796	013-0021-013	2231	MARKHAM WAY	1.0	1.0	RES	NO METER	1" Hybrid	110' WW Cb Markham Way is also 14' EWL Line in Rt of Way	1' SNL Line	In Sidewalk	C-7	1	0
797	013-0022-013	2240	MARKHAM WAY	1.5	1.0	RES	NO METER	1" Hybrid	434 West WPL 24th Sts	No PL Alley	In Sidewalk	C-7	1	0
798	013-0022-014	2250	MARKHAM WAY	1.5	1.5	RES	NO METER	1.5" Relocate to Street ROW	215' 6" SS Curb Line of Castro Way in Rt of Way or 60' 6" N. of NP Line of Alley	WS of Rt of Way	In Sidewalk	C-7	1	0
799	013-0022-015	2256	MARKHAM WAY	1.0	1.0	RES	NO METER	1" Hybrid	33' SNLL - 2 1/2' WEPL of Lot	29' SNLL - 7' WELL	In Sidewalk	C-7	1	0
800	013-0022-016	2266	MARKHAM WAY	0.75	1.0	RES	NO METER	1" Hybrid	39' WELL - on SLL	39' WELL - 2' NSLL	In Sidewalk	C-7	1	0
801	013-0021-012	2275	MARKHAM WAY	1.0	1.0	RES	NO METER	1" Hybrid	32' WW Cb of Markham Way & 20' EWLL & 3' NSPL	31' WW Cb of Markham Way & 21' EWLL & 1' NSPL	In Sidewalk	C-7	1	0
802	013-0022-017	2276	MARKHAM WAY	1.0	1.0	RES	NO METER	1" Hybrid		44 1/2' SSC Castro - 5' WEPL of Lot	In Sidewalk	C-7	1	0
803	013-0061-001	2100	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit		15' EEC of 21st Street, 31' NNC of Marshall Wy	Landscape Strip	C-8	1	0
804	013-0061-002	2114	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	15' E of point of Curb 4th & Marshall	3' WELL, 1 1/2' Behind Curb	Landscape Strip	C-8	1	0
805	013-0061-003	2116	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit		2 1/2' WWLL, 1' Behind Curb	Landscape Strip	C-8	1	0
806	013-0061-004	2128	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	67' E of Point of Curb Marshall & 4th	South Curb of Marshall	Landscape Strip	C-8	1	0
807	013-0032-001	2131	MARSHALL WAY	2.0 & 1.0	1.5	RES	NO METER	1.5" Retrofit w/ Tie-in to Abandoned Service		WV. Loc. 100' WELL - 1' NNC of Marshall	Landscape Strip	C-8	2	1
808	013-0061-005	2132	MARSHALL WAY	0.75	1.0	RES	NO METER	1" Retrofit		27 1/2' WELL - 2' SSC of Marshall	Landscape Strip	C-8	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

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809	013-0032-002	2133	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit		3' EWLL - 1' NNC of Marshall	Landscape Strip	C-8	1	0
810	013-0061-006	2140	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit		20' WELL - 25' EWLL	Landscape Strip	C-8	1	0
811	013-0032-011	2147	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	48' NNPL Marshall Way	West Alley Line	Landscape Strip	C-8	1	0
812	013-0061-007	2148	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit		19' WWLL - 1' SSC of Marshall	Landscape Strip	C-8	1	0
813	013-0032-010	2149	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap		66' NNC of Marshall, 1' WELL in s/p	Landscape Strip	C-8	1	0
814	013-0061-008	2160	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit		23 1/2' EWLL - 15 1/2' WELL - 1 1/2' SSC of Marshall	Landscape Strip	C-8	1	0
815	013-0032-009	2161	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap			Landscape Strip	C-12	1	0
816	013-0032-008	2167	MARSHALL WAY	1.5	1.0	RES	NO METER	1" Retrofit	9' EWC of 22nd Street, 40' NNC of Marshall	2' WWC of 22nd Street, 40' NNC of Marshall	Landscape Strip	C-12	1	0
817	013-0061-009	2168	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit		18' WWLL - 1' SSC Marshall	Landscape Strip	C-12	1	0
818	013-0061-010	2178	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	3' WWPL of alley	1 1/2' WELL, 2' SSC of Marshall	Landscape Strip	C-12	1	0
819	013-0061-011	2180	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit		1' SSC of Marshall Way, 1' WWLL, 48' WELL	Landscape Strip	C-12	1	0
820	013-0061-012	2190	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	51' WWPL 22nd St	South Curb of Marshall Way	Landscape Strip	C-12	1	0
821	013-0073-001	2200	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	61' EE Curb Line of 22nd St, Oak Park to City	Back of S Curb Marshall Way	Landscape Strip	C-12	1	0
822	013-0073-002	2208	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	12' EWLL - 30' WELL - 1' SSCL of Marshall Way	3' EWLL - 39' WELL - 25' NSCL of Marshall	Landscape Strip	C-12	1	0
823	013-0073-003	2220	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	112' EEC of 22nd Street	5' EWLL, 1' SSC of Marshall Wy in box	Landscape Strip	C-12	1	0
824	013-0071-006	2225	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	24' EEPL Alley Line	North Curb of Marshall	Landscape Strip	C-12	1	0
825	013-0073-004	2226	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	7' WE Alley Line	South Curb of Marshall	Landscape Strip	C-12	1	0
826	013-0073-005	2230	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	42' WWPL 23rd St	South Curb of Marshall	Landscape Strip	C-12	1	0
827	013-0071-005	2239	MARSHALL WAY	0.75	1.0	RES	NO METER	1" Retrofit		31' WWC of 23rd, 1' WWC of Marshall	Landscape Strip	C-12	1	0
828	013-0073-006	2248	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit		EPL of Lot - S Curb of Marshall	Landscape Strip	C-12	1	0
829	013-0073-007	2300	MARSHALL WAY	1.0	1.0	RES	METERED	N/A		1' SSC of Marshall Wy, on WLL in standpipe	Landscape Strip	C-12	1	0
830	013-0072-011	2301	MARSHALL WAY	1.5	1.5	RES	NO METER	1.5" Retrofit			Landscape Strip	C-12	1	0
831	013-0073-008	2308	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	19' EEPL 23rd St	Back of N Curb	Landscape Strip	C-12	1	0
832	013-0072-010	2315	MARSHALL WAY	0.75	1.0	RES	NO METER	1" Hybrid w/ Hot Tap	76' NNPL Marshall Way Connected - 12-9-38	WPL	Landscape Strip	C-13	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

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833	013-0073-009	2320	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit		1' WWLL - 1' SSC of Marshall	Landscape Strip	C-12	1	0
834	013-0073-010	2324	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	32' WELL - 13' EWLL - 26' NSC of Marshall Way	32' WELL - 13' EWLL - 1' SSC of Marshall Way	Landscape Strip	C-12	1	0
835	013-0072-019	2329	MARSHALL WAY	0.75	1.0	RES	NO METER	1" Hybrid w/ Hot Tap	87' NNPL Marshall Way	EPL	Landscape Strip	C-13	1	0
836	013-0073-011	2332	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit		WPL of Lot - on S Curb of Marshall	Landscape Strip	C-13	1	0
837	013-0072-022	2337	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	51' EE Alley Line	North Curb of Marshall Way	Landscape Strip	C-13	1	0
838	013-0073-012	2340	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	94 1/2' WW Cb 24th St & 6" EELL	1' SS Cb Marshall Way	Landscape Strip	C-13	1	0
839	013-0073-013	2352	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	94' WW Curb 24th St, 1' EWL Lot	1' SS Curb Marshall Way	Landscape Strip	C-13	1	0
840	013-0073-014	2356	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	38' WWPL of 24th St	NC o/ Marshall Wy.	Landscape Strip	C-13	1	0
841	013-0111-001	2400	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	60' EEC of 24th St, 6' NSC of Marshall	8' SSC of Marshall, 1' WELL of lot in C/S Box	Behind Sidewalk	C-13	1	0
842	013-0111-002	2410	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter		1' WWLL - 5' SSPL of Marshall Way	Behind Sidewalk	C-13	1	0
843	013-0111-003	2416	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	145' EEPL 24th Street	4.5 Back S Sidewalk, Marshall Way	Behind Sidewalk	C-13	1	0
844	013-0111-004	2424	MARSHALL WAY	0.75	1.0	RES	NO METER	1" Service w/ Meter		10' SSC of Marshall - On WPL of	Behind Sidewalk	C-13	1	0
845	013-0111-005	2432	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	245' EEPL 24th St	4.5 S Back Sidewalk Marshall	Behind Sidewalk	C-13	1	0
846	013-0111-006	2440	MARSHALL WAY	1.5	1.0	RES	NO METER	1" Service w/ Meter		18' WEPL of Lot - 6' SSC of Marshall	Behind Sidewalk	C-13	1	0
847	013-0082-012	2447	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Hybrid	11' SNLL, on ELL	11' SNLL, 2' WELL	Behind Sidewalk	C-13	1	0
848	013-0111-007	2450	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter		130' WW Sidewalk of 25th Street, 45' Behind Walk	Behind Sidewalk	C-13	1	0
849	013-0111-008	2464	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	104' WW Back Sidewalk 25th Street	4.5 Back Sidewalk Marshall Way	Behind Sidewalk	C-13	1	0
850	013-0111-009	2472	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	15' WW Back Sidewalk 25th St	SPL Marshall Way	Behind Sidewalk	C-13	1	0
851	013-0113-001	2500	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	11' NSLL & 1' WELL	1' WELL & 9' SSC	Behind Sidewalk	C-13	1	0
852	013-0113-002	2510	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	11' NSLL - 1' EWLL	1' EWLL - 4' Behind Sidewalk in SP	Behind Sidewalk	C-13	1	0
853	013-0113-003	2516	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter		ELL - 5' S of Sidewalk	Behind Sidewalk	C-14	1	0
854	013-0113-004	2524	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	46' 6" WELL - 3' 6" EWLL - 15' NSPL of Marshall Way	46' 6" WELL - 3' 6" EWLL - 1' SSPL of Marshall Way	Behind Sidewalk	C-14	1	0
855	013-0113-005	2532	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter		39' WELL - 11' EWLL	Behind Sidewalk	C-14	1	0
856	013-0113-006	2540	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	48' WELL - 2' EWLL - 1' 6" SSPL Marshall Way	48' WELL - 2' EWLL - 15' NSPL Marshall Way	Behind Sidewalk	C-14	1	0
857	013-0113-007	2548	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	20' EWLL & 30' WELL & 5' SS Cb of Marshall Way	20' EWLL & 30' WELL & 11' NS Cb of Marshall Way	Behind Sidewalk	C-14	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
858	013-0113-008	2556	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	5' EWLL & 45' WELL	Same as Corp & SPL of Marshall Way	Behind Sidewalk	C-14	1	0
859	013-0113-009	2564	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter		1) 6' WEC of Marshall, 14' SNLL (7/5/05) 2) 6' WEC, 14' SSC (10/29/2001)	Behind Sidewalk	C-14	1	0
860	013-0121-001	2600	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter		2' WELL - 10' SSC is C/S Box	Behind Sidewalk	C-14	1	0
861	013-0086-013	2609	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	66' EEC of 26th Street (NE side)	65 1/2' EEC 26th St, 6 1/2' EWPL of Lot, Valve is 2' NSPL of Marshall Way	Behind Sidewalk	C-14	1	0
862	013-0121-002	2610	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	46' WELL - 4' WELL - 3' SSPL of Marshall Way	46' WELL - 4' EWLL - 15' 6" NSPL of Marshall Way	Behind Sidewalk	C-14	1	0
863	013-0086-012	2617	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter		9' EWLL - 1 1/2' Behind Sidewalk	Behind Sidewalk	C-14	1	0
864	013-0121-003	2620	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter		8' SSC - 1' WELL in S/P (11/29/06)	Behind Sidewalk	C-14	1	0
865	013-0086-011	2625	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	200' EE Prop./ Line Marshall Way	N. Prop. Line Marshall Way	Behind Sidewalk	C-14	1	0
866	013-0121-004	2630	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	11' NSC of Marshall Way, 11' EWLL	6' SSC of Marshall Way, 11' EWLL	Behind Sidewalk	C-14	1	0
867	013-0086-010	2633	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	On WLL - 50' WELL - 27' SNPL of Marshall Way	5' 6" EWLL - 45' WELL - 1' NNPL of Marshall Way	Behind Sidewalk	C-14	1	0
868	013-0086-009	2641	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	11' NSC, 74' EEC of 26th Street	On WPL, 7' NNC of Marshall in Box	Behind Sidewalk	C-14	1	0
869	013-0086-008	2649	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Hybrid		9' NNC of Marshall, On WLL	Behind Sidewalk	C-14	1	0
870	013-0121-005	2700	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter		5' SSC of Marshall on ELL in Pipe	Behind Sidewalk	C-14	1	0
871	013-0121-006	2710	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	81' EEC 27th St, 77' EEPL 27th Street & at WLL	Same as Corp Cock - at SPL Marshall Way	Behind Sidewalk	C-14	1	0
872	013-0121-007	2720	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter		26' EWLL - 4' SSC of Marshall	Landscape Strip	C-14	1	0
873	013-0092-041	2721	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Hybrid	64' NNC of Marshall Way, 2' WWPL	63' NNC of Marshall - 1' EWPL of Lot in C/S box	Landscape Strip	C-14	1	0
874	013-0121-008	2728	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	223' E of E Curb of 27th Street	0.8 S of S Curb of Marshall Way	Landscape Strip	C-14	1	0
875	013-0092-040	2731	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	208' EEPL of 27th St, 27' WEPL	27' WELL, 13' EWLL, 2' NNC of Marshall WY in C/S Box	Landscape Strip	C-14	1	0
876	013-0121-009	2734	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	13' EWLL & 23' WELL & 1' SS Cb of Marshall Way	14' EWLL & 22' WELL & 34' NS Cb of Marshall Way	Landscape Strip	C-14	1	0
877	013-0092-039	2739	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	6' SNC - 21' EWLL	1 1/2' NNC - 21' EWLL	Landscape Strip	C-14	1	0
878	013-0121-010	2740	MARSHALL WAY	0.75	1.0	RES	NO METER	1" Retrofit	31' NSC on EPL	1' SSC on EPL in SP	Landscape Strip	C-14	1	0
879	013-0121-011	2746	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	644' W of WPL of Franklin Blvd	1' S of S Curb of Marshall Way - W line of Lot	Landscape Strip	C-15	1	0
880	013-0092-038	2747	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	Used Tap at 307' EEPL of 27th St	NC o/ Marshall	Landscape Strip	C-14	1	0
881	013-0121-012	2754	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	564.5' W of WPL of Franklin Blvd	Back S Curb of Marshall Way E Line of Lot	Landscape Strip	C-15	1	0
882	013-0092-037	2755	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit		4' WEPL of Above - 1' NNC of Marshall in C/S Box	Landscape Strip	C-15	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
883	013-0092-036	2761	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit		14' WELL, 1' Back of Curb	Landscape Strip	C-15	1	0
884	013-0121-013	2762	MARSHALL WAY	0.75	1.0	RES	NO METER	1" Retrofit		1' EWLL - 2' SSC of Marshall	Landscape Strip	C-15	1	0
885	013-0121-014	2800	MARSHALL WAY	0.75	1.0	RES	NO METER	1" Retrofit	6' SNC, 18' WELL	18' WELL, 1 1/2' SSC in S/P	Landscape Strip	C-15	1	0
886	013-0092-035	2801	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit		On WELL - 1' Behind Curb in S/P	Landscape Strip	C-15	1	0
887	013-0121-015	2808	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	0.5' WELL	1' SS Curb Marshall Way	Landscape Strip	C-15	1	0
888	013-0092-034	2811	MARSHALL WAY	0.75	1.0	RES	NO METER	1" Retrofit	7' SNC, 2' WELL	1' NNC, 2' WELL in box	Landscape Strip	C-15	1	0
889	013-0121-016	2816	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	6' EW Lot Line & 6.5' SN Cb Marshall	1' SS Cb of Marshall Way	Landscape Strip	C-15	1	0
890	013-0092-033	2817	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	2' WELL - 28' EWLL	2' WELL - 28' EWLL - 9' N. of Main - 14' Back of Curb	Landscape Strip	C-15	1	0
891	013-0121-017	2824	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	376' WWC of Franklin Blvd	1' SSC of Marshall, 1' EWLL	Landscape Strip	C-15	1	0
892	013-0092-032	2825	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	6' SNC, 8' EWLL	1' NNC, 8' EWLL	Landscape Strip	C-15	1	0
893	013-0121-018	2832	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit		2' SSC on WPL in s/p	Landscape Strip	C-15	1	0
894	013-0092-031	2833	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit		10' WELL - 4' NNC of Marshall Way	Landscape Strip	C-15	1	0
895	013-0121-019	2840	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	24' WELL @ 2840 Marshall Way, 7' SNC of 2840 Marshall Way	24' WELL @ 2840 Marshall Way, 3' SSC of Marshall Way	Landscape Strip	C-15	1	0
896	013-0092-030	2841	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit		124' WWC of Alley 4' NNC of Marshall	Landscape Strip	C-15	1	0
897	013-0121-020	2848	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit		1' WWPL - 1' SSC of Marshall	Landscape Strip	C-15	1	0
898	013-0092-029	2849	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit		1' NNC of Marshall - 1' WWPL of Lot in c/s box	Landscape Strip	C-15	1	0
899	013-0121-021	2856	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	211' WW Curb Franklin Blvd, E Lot Line	1' SS Curb Marshall Way	Landscape Strip	C-15	1	0
900	013-0092-028	2857	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit		1' WELL, 1' NNC of Marshall - In Standpipe	Landscape Strip	C-15	1	0
901	013-0121-022	2864	MARSHALL WAY	1.0	1.0	RES	METERED	N/A		35' WELL, Back of Curb	Landscape Strip	C-15	1	0
902	013-0092-027	2865	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	40.5' W of W Curb of Alley 27th & Franklin Blvd.	Back of N. Curb of Marshall Way - W Line of Lot	Landscape Strip	C-15	1	0
903	013-0121-023	2872	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit	121' WWPL of Franklin	South Curb of Marshall	Landscape Strip	C-15	1	0
904	013-0121-024	2898	MARSHALL WAY	1.0	1.0	RES	NO METER	1" Retrofit		2' EWLL, 1' SSC	Landscape Strip	C-15	1	0
905	013-0092-026	2899	MARSHALL WAY	1.5	1.0	RES	NO METER	1" Retrofit	54' NNPL Marshall Way 64' NNC Marshall Way S.	Same as corp cock - 14' NSLL, 1' WWC Franklin Blvd	Landscape Strip	C-15	1	0
906	013-0138-028	3020	MARSHALL WAY	1.0	1.0	RES	METERED	N/A	23' EWLL - 17' WELL - 7' SNC of Marshall Way	1' NNC of Marshall Way	Landscape Strip	C-15	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
907	000-0000-000		MARSHALL WAY at 21ST ST	2.0	2.0	IRR	METERED	2" Relocate to Street ROW w/ Meter Relocate			Landscape Strip	C-8	1	0
908	013-0062-001	2100	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		44' WELL, & 1' SSC of Portola	Landscape Strip	C-12	1	0
909	013-0061-024	2115	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		22' NSLL - 1 1/2' EEC of Portola	Landscape Strip	C-12	1	0
910	013-0062-002	2116	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	362' WWPL of 22nd St	South Curb of Portola Way	Landscape Strip	C-12	1	0
911	013-0061-023	2121	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		23' WELL - 2' NNC of Portola	Landscape Strip	C-12	1	0
912	013-0061-022	2125	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	376' WWPL of 22nd St	North curb of Portola	Landscape Strip	C-12	1	0
913	013-0062-003	2126	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		1' SSC of Portola - on WLL	Landscape Strip	C-12	1	0
914	013-0061-021	2133	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	170' EEPL 21st St	19'WELL-27'EWLL-2'NNC of Portola Way in c/s box	Landscape Strip	C-12	1	0
915	013-0062-004	2134	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	300' WWPL 22nd St	South curb of Portola	Landscape Strip	C-12	1	0
916	013-0062-005	2140	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		19' WELL - 3' SSC of Portola	Landscape Strip	C-12	1	0
917	013-0061-020	2141	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	286' WWPL of 22nd St	North curb of Portola	Landscape Strip	C-12	1	0
918	013-0062-006	2150	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		2' SSC of Portola - on ELL	Landscape Strip	C-12	1	0
919	013-0061-019	2153	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		3' SSC on the ELL W/Box	Landscape Strip	C-12	1	0
920	013-0062-007	2158	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	201' WWPL of 22nd St	South curb of Portola	Landscape Strip	C-12	1	0
921	013-0061-018	2159	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		17 1/2' EELL - 2' NNC of Portola Way	Landscape Strip	C-12	1	0
922	013-0062-008	2164	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		4' WELL - 1' SSC of Portola	Landscape Strip	C-12	1	0
923	013-0061-017	2165	PORTOLA WAY	2.0	1.5	RES	NO METER	1.5" Retrofit	175' WW curb of 22nd St	N Curb Portola Way	Landscape Strip	C-12	1	0
924	013-0061-016	2175	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		31'EWLL-1'6" NNC of Portola	Landscape Strip	C-12	1	0
925	013-0062-009	2178	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		1' SSC of Portola - on WLL	Landscape Strip	C-12	1	0
926	013-0062-011	2180	PORTOLA WAY	1.0	1.0	NOT IN USE	NO METER	N/A			N/A	C-12	1	1
927	013-0062-010	2180	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		2' SSC of Portola - 24' EWLL (In Standpipe)	Landscape Strip	C-12	1	0
928	013-0061-015	2181	PORTOLA WAY	2.0	1.5	RES	NO METER	1.5" Retrofit	40' WWPL 22nd St	Back of N Curb	Landscape Strip	C-12	1	0
929	013-0074-001	2200	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		12' WELL, 26' EWPL, 1' SSC of Portola Way in box	Landscape Strip	C-12	1	0
930	013-0073-030	2201	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	7' EEPL 22nd Street	Back N Curb Portola Way	Landscape Strip	C-12	1	0
931	013-0073-029	2209	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	71' EEPL of 22nd St	16'WELL-2'NNC of Portola in s/p	Landscape Strip	C-12	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
932	013-0074-002	2212	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	22' EEPL of 22nd St	South curb of Portola	Landscape Strip	C-12	1	0
933	013-0074-003	2216	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		On ELL, Behind Curb	Landscape Strip	C-12	1	0
934	013-0073-028	2221	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	116' EEPL of 22nd St	North curb Portola	Landscape Strip	C-12	1	0
935	013-0074-004	2226	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		On WLL, 2' SSC of Portola	Landscape Strip	C-12	1	0
936	013-0073-027	2227	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	153' EEPL 22nd St	North Curb Portola Way	Landscape Strip	C-12	1	0
937	013-0073-026	2233	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	205' EEPL of 22nd St	17' WELL 3' NNC of Portola in S/P	Landscape Strip	C-12	1	0
938	013-0074-005	2238	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	140' EEPL of 22nd St	South Curb Portola	Landscape Strip	C-12	1	0
939	013-0074-006	2244	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		17' WELL - 2' SSC of Portola	Landscape Strip	C-12	1	0
940	013-0073-025	2245	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		21' EWLL - 1' NNC of Portola	Landscape Strip	C-12	1	0
941	013-0074-007	2248	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	212 1/2' EE Cb 22nd St northerly and 6" EWLL	1' SS Cb. Portola Way	Landscape Strip	C-12	1	0
942	013-0073-024	2251	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	286' EEPL 22nd St	North curb Portola	Landscape Strip	C-12	1	0
943	013-0074-008	2256	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		28' EWLL - 2' SSC of Portola	Landscape Strip	C-12	1	0
944	013-0074-009	2264	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	25' WELL	25' WELL - 1' SSC of Portola	Landscape Strip	C-12	1	0
945	013-0074-010	2300	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	397' EEPL 22nd St., On E Lot Line	1) 3' WELL - 1' SSC (10/30/06) 2) Back South curb (Portola)	Landscape Strip	C-12	1	0
946	013-0073-023	2301	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	331' E of EPL of 22nd Street	1) 22' WELL, 16' EWLL, 1' NNC of Portola in box (1/11/06) 2) Back of N Curb of Portola Way	Landscape Strip	C-12	1	0
947	013-0073-022	2309	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	379' EEPL of 22nd St	North curb of Portola	Landscape Strip	C-12	1	0
948	013-0074-011	2310	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		1) 1' EWLL, 1' SSC of 2310 Portola Way in driveway box (2/9/06) 2) 43' WELL, 1' EWLL, 1' SSC of Portola Way (08/30/05) 3) 1' EWLL, 1' SSC of Portola under Concrete Driveway	Landscape Strip	C-12	1	0
949	013-0074-012	2322	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	345' WWPL of 24th St	South curb of Portola	Landscape Strip	C-12	1	0
950	013-0073-021	2323	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	335' WWPL of 24th St	North curb Portola	Landscape Strip	C-12	1	0
951	013-0074-013	2324	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		1' EWLL, 1' SSC of Portola in c/s box	Landscape Strip	C-12	1	0
952	013-0073-020	2329	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		1) 24' EWLL - 2' NNC in box (7/27/06) 2) 22' EWLL - 24' WELL - 2' NNC of Portola	Landscape Strip	C-12	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
953	013-0074-014	2336	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		26 1/2' WELL - on South Curb	Landscape Strip	C-12	1	0
954	013-0073-019	2337	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	247' WWPL 24th St	North curb Portola	Landscape Strip	C-12	1	0
955	013-0074-015	2344	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		1) 1' SSC on EPL (5/12/06) 2) EPL of Lot - South Curb of Street	Landscape Strip	C-12	1	0
956	013-0073-018	2345	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	200' WWPL of 24th St	1) 22' ewll - 1' nnc (9/24/07) 2) NC o/Portola	Landscape Strip	C-13	1	0
957	013-0074-016	2350	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	2' EW lot line	Back South curb Portola	Landscape Strip	C-12	1	0
958	013-0073-017	2351	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		23' WELL, back of curb in S/P (24" deep)	Landscape Strip	C-13	1	0
959	013-0074-017	2358	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		21' WELL - 2' SSC of Portola	Landscape Strip	C-13	1	0
960	013-0074-018	2362	PORTOLA WAY	0.75	1.0	RES	NO METER	1" Retrofit		ELL - 1' SSC of Portola	Landscape Strip	C-13	1	0
961	013-0073-016	2369	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		21' EWLL - 1 1/2' NNC of Portola, 27' WELL Installed Standpipe	Landscape Strip	C-13	1	0
962	013-0073-015	2371	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		60' WWPL of 24th Street, Noth Curb of Portola	Landscape Strip	C-13	1	0
963	013-0074-019	2372	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	95' WWPL of 24th St. & 6.5' SN Cb of Portola Way	1' SS Cb. of Portola	Landscape Strip	C-13	1	0
964	013-0074-020	2380	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	49 1/2' WWC 24th St, 20' EWLL	Same as corp cock - 26' S of Main, 1' Back of Curb	Landscape Strip	C-13	1	0
965	013-0112-003	2400	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Hybrid		9' EEC of 24th Street, NPL of Alley	Landscape Strip	C-13	1	0
966	013-0111-018	2401	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		30' EEC of 24th Street - 2' NNC of Portola	Landscape Strip	C-13	1	0
967	013-0111-017	2409	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	79' E of EPL of 24th Street	Back of N Curb of Portola Way	Landscape Strip	C-13	1	0
968	013-0111-016	2417	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	19' EWLL - 29' WELL - 10' SNC of Portola	19' EWLL - 29' WELL - 1' NNC of Portola	Landscape Strip	C-13	1	0
969	013-0112-004	2420	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	112' EEPL o/24th St	North alley line	Unimproved Alley	C-16	1	0
970	013-0112-005	2424	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	178' EEPL of 24th St.	23' WELL on NPL o/alley in SP	Unimproved Alley	C-16	1	0
971	013-0111-015	2425	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	190' EEPL 24th Street	10' WELL, Behind curb	Landscape Strip	C-13	1	0
972	013-0111-014	2435	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	204' EEPL 24th St.	NPL Portola Way & 5th Avenue	Landscape Strip	C-13	1	0
973	013-0112-006	2440	PORTOLA WAY	1.5	1.5	RES	NO METER	1.5" Retrofit			Unimproved Alley	C-16	1	0
974	013-0111-013	2443	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	226' WWPL of 25th St.	North curb of Portola	Landscape Strip	C-13	1	0
975	013-0112-007	2444	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	15' EWPL, 13' SNLL	15' EWLL, 2' NNPL of Alley	Unimproved Alley	C-16	1	0
976	013-0112-008	2450	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	311' EEPL of 24th St	South Alley Line	Unimproved Alley	C-16	1	0
977	013-0112-009	2456	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		9' EWLL & 1' NSLL	Landscape Strip	C-13	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
978	013-0111-012	2457	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	122' 6" WWPL of 25th Street	North curb of Portola	Landscape Strip	C-13	1	0
979	013-0111-011	2467	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	75' WWPL 25th St	North curb of Portola Way	Landscape Strip	C-13	1	0
980	013-0112-010	2472	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit			Unimproved Alley	C-16	1	0
981	013-0111-010	2473	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		21' WWC of 25th Street, 1' NNC of Portola Way	Landscape Strip	C-13	1	0
982	013-0112-011	2480	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	22' WWPL of 25th St	North Alley Line	Unimproved Alley	C-16	1	0
983	013-0114-001	2500	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	38' EEPL 25th St	NPL Alley	Unimproved Alley	C-16	1	0
984	013-0114-002	2508	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		24' EWLL, 1' NSPL of Alley	Unimproved Alley	C-16	1	0
985	013-0113-017	2509	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		1) 23' WELL, 1' NNC (06/29/07) 2) 25' EWLL, 25' WELL, 1' NNC of Portola in s/p	Landscape Strip	C-13	1	0
986	013-0114-003	2516	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	125' EEPL of 25th St	North Alley Line	Unimproved Alley	C-16	1	0
987	013-0113-016	2517	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit			Landscape Strip	C-14	1	0
988	013-0114-004	2524	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		8' WELL - 1' NNPL of Alley	Unimproved Alley	C-17	1	0
989	013-0113-015	2525	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	198' WWPL of 26th St.	North curb of Portola	Landscape Strip	C-14	1	0
990	013-0113-014	2533	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	20' EWLL - 30' WELL - 9' 6" SNLL of Portola Way	21' 6" EWLL - 28' 6" WELL - 1' NNCL of Portola Way	Landscape Strip	C-14	1	0
991	013-0113-013	2541	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	10' SNC of Portola - 12' WELL	1' NNC of Portola - 12' WELL	Landscape Strip	C-14	1	0
992	013-0114-005	2542	PORTOLA WAY	1.5	1.5	RES	NO METER	1.5" Retrofit		29' WELL - NPL of Alley in box	Unimproved Alley	C-17	1	0
993	013-0114-006	2548	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		26' WEPL - South Curb of Portola	Landscape Strip	C-14	1	0
994	013-0113-012	2553	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	28' EWLL - 24' WELL - 10' SNC of Portola	Same - 1' NNC of Portola	Landscape Strip	C-14	1	0
995	013-0113-011	2557	PORTOLA WAY	0.75	1.0	RES	NO METER	1" Retrofit	78' WWPL 26th St	27' WELL 1' NNC	Landscape Strip	C-14	1	0
996	013-0114-007	2562	PORTOLA WAY	2.0	1.0	RES	NO METER	1" Retrofit	22' WWC of 26th Street - 12.5' SNPL of Alley	22' WWC of 26th Street - 1' NNPL of Alley Standpipe	Unimproved Alley	C-17	1	0
997	013-0113-010	2571	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		18' EWLL - behind Curb	Landscape Strip	C-14	1	0
998	013-0122-001	2600	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	31' 4" EWLL, 26' EEPL of 26th St, 9' 3" SSPL	#1) 35' EEC of 26th St, 1' SNPL #2) 36' EEC of 26th St, 26' WELL, 1' SNPL of Alley in s/p	Concrete Alley	C-17	1	0
999	013-0121-050	2601	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		50' EEC of 26th Street - 5' WEPL of Lot 2 1/2' NNC of Street	Landscape Strip	C-14	1	0
1000	013-0121-049	2605	PORTOLA WAY	1.25	1.0	RES	NO METER	1" Retrofit			Landscape Strip	C-14	1	0
1001	013-0122-002	2608	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		1) 26' WELL NPL of alley in s/p (3/1/06) 2) 21' EWLL, on NLL	Concrete Alley	C-17	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
1002	013-0121-048	2609	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		13' WELL - 1' NNC of Portola	Landscape Strip	C-14	1	0
1003	013-0122-003	2618	PORTOLA WAY	1.5	1.5	RES	NO METER	1.5" Retrofit		112 1/2' EEPL of 26th Street - 37 1/2' WELL S Curb of Portola	Landscape Strip	C-14	1	0
1004	013-0121-047	2619	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	195' EEPL-26th St - 2' NNC - 5' WELL	North curb of Portola - 9' SNC - 5' WELL	Landscape Strip	C-14	1	0
1005	013-0122-004	2624	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	198' EEC of 26th Street - 10' SNC of Portola	14' EWLL - 2' NSC	Landscape Strip	C-14	1	0
1006	013-0121-046	2627	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		5' WELL, 1' NNC	Landscape Strip	C-14	1	0
1007	013-0121-051	2635	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		21' WELL, 45' EWLL - 1' NNC in s/p	Landscape Strip	C-14	1	0
1008	013-0122-005	2638	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		10 1/2' EWLL, NPL of Alley	Concrete Alley	C-17	1	0
1009	013-0122-006	2642	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		21' WELL - 29' EWLL - 1' NNC of Portola	Landscape Strip	C-14	1	0
1010	013-0122-007	2648	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		20 1/2' EWLL - NPL of Alley	Concrete Alley	C-17	1	0
1011	013-0121-043	2649	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	14' EWLL - 31' NSC of Portola	Same - 2' SSC of Portola	Landscape Strip	C-14	1	0
1012	013-0121-042	2659	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	430' EE curb of 26th Street	NPL of Portola Way	Landscape Strip	C-14	1	0
1013	013-0122-008	2660	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	135' WWPL of 27th St, 13' EWLL	13' EWLL, 2' SSC of Portola Wy in c/s box	Landscape Strip	C-14	1	0
1014	013-0122-009	2664	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	13' EWLL 13' SNC of 2664 Portola way	22' EWLL 1' SSC in box	Landscape Strip	C-14	1	0
1015	013-0121-041	2665	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	9' 6" SNCL of Portola	21' WELL - 6' NNCL in C/S Box	Landscape Strip	C-15	1	0
1016	013-0121-040	2673	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	24' WWC of 27th Street and 16' EWLL	21' WWC of 27th St. and 19' EWLL	Landscape Strip	C-15	1	0
1017	013-0122-010	2676	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		45' WWC of 27th ST - 2' SSC of Portola in Standpipe	Landscape Strip	C-15	1	0
1018	013-0123-002	2700	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	57' SSC Portola - 29' NSLL - 26' WEC 27th ST	Same & 2' EEC 27th ST	Landscape Strip	C-15	1	0
1019	013-0121-039	2701	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	25' WELL - 25' EWLL - 9' SNC of Portola (12/8/93)	25' WELL - 25' EWLL - 1' NNC of Portola (3/6/07)	Landscape Strip	C-15	1	0
1020	013-0123-003	2708	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	77' EEC of 27th St & 9' SNC of Portola	9' EWLL - 2' NNPL of Alley	Concrete Alley	C-18	1	0
1021	013-0121-038	2709	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		21' EEPL of 27th ST - 18' SNPL of Portola	Landscape Strip	C-15	1	0
1022	013-0121-037	2717	PORTOLA WAY	0.75	1.0	RES	NO METER	1" Retrofit	96' 5" E of EPL of 27th St	12 Back of N Curb of Portola Way	Landscape Strip	C-15	1	0
1023	013-0123-004	2720	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	24' EWLL & 26' WELL & 32' NSC of Portola	Same & 1' SSC of Portola Way	Landscape Strip	C-15	1	0
1024	013-0121-036	2727	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	5' EWLL, 45' WELL, 9' 6" SNC Line of Portola Way	5' EWLL, 45' WELL, 9' 6" SNC Line of Portola Way	Landscape Strip	C-15	1	0
1025	013-0123-005	2728	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		28 1/2' WELL - NPL of Alley	Concrete Alley	C-18	1	0
1026	013-0123-006	2736	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		16' EWLL - 1' NNPL of Alley	Concrete Alley	C-18	1	0
1027	013-0121-035	2737	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		26' EWLL - 1' NNC of Portola	Landscape Strip	C-15	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
1028	013-0123-007	2740	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		33' EWLL - 1 1/2' NSLL	Concrete Alley	C-18	1	0
1029	013-0121-034	2745	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		288' WWC of Franklin on N Curb of Portola	Landscape Strip	C-15	1	0
1030	013-0123-008	2748	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		2' EWLL - 48' WELL - 2' NNPL of Alley	Concrete Alley	C-18	1	0
1031	013-0121-033	2751	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	219' WWPL of Franklin Bl	33' EWLL, 17' WELL, 2' NNC of 2751 Portola Wy in box	Landscape Strip	C-15	1	0
1032	013-0121-032	2757	PORTOLA WAY	0.75	1.0	RES	NO METER	1" Retrofit		25' WEPL of Lot - 1' NNC of Portola	Landscape Strip	C-15	1	0
1033	013-0123-009	2758	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	151' WWPL Franklin Blvd	Back of S Curb of Portola Way	Landscape Strip	C-15	1	0
1034	013-0121-031	2767	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	126' WWPL of Franklin	North Curb of Portola	Landscape Strip	C-15	1	0
1035	013-0123-010	2770	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	89' WWPL of Franklin Blvd.	1' WELL, 1' SSC of Portola	Landscape Strip	C-15	1	0
1036	013-0121-030	2773	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		14' EWLL - 2' NNC of Portola Way	Landscape Strip	C-15	1	0
1037	013-0123-011	2776	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	88.5 W of WPL of Franklin Blvd.	Back of S Curb of Portola - W line of lot	Landscape Strip	C-15	1	0
1038	013-0123-012	2784	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit		19' NSLL - 1' WWC of Franklin	Concrete Alley	C-18	1	0
1039	013-0121-029	2787	PORTOLA WAY	1.0	1.0	RES	NO METER	1" Retrofit	39' WWC, 9' SNC	40' WWC of Franklin - 1' NNC of Portola	Landscape Strip	C-15	1	0
1040	013-0061-014		PORTOLA WAY	1.0	1.0	NOT IN USE	NO METER	N/A			N/A	C-12	1	1
1041	013-0103-023	3057	REARES LN	1.0	1.0	RES	NO METER	1" Hybrid w/ Hot Tap			Landscape Strip	C-15	1	0
1042	013-0086-001	2600	ROCHON WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	Same 1' SSPL of Rochon	56' EECL of 26th 3' WELL 13' 6" NSPL of Rochon Way	Landscape Strip	C-14	1	0
1043	013-0085-014	2601	ROCHON WAY	1.0	1.0	RES	NO METER	1" Hybrid	5' SNLL - 12' WELL	8' SNLL - 14' WELL	Behind Sidewalk	C-10	1	0
1044	013-0086-002	2608	ROCHON WAY	1.0	1.0	RES	NO METER	1" Hybrid	96' EEPL of 36th Street	1' Gate Valve	Behind Sidewalk	C-14	1	0
1045	013-0085-013	2609	ROCHON WAY	1.0	1.0	RES	NO METER	1" Hybrid		30' EWLL - 4' SNLL	Behind Sidewalk	C-14	1	0
1046	013-0086-003	2616	ROCHON WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter		31' EWLL 6' SSC in Box	Behind Sidewalk	C-14	1	0
1047	013-0085-012	2617	ROCHON WAY	1.0	1.0	RES	NO METER	1" Hybrid		27' WELL, 6 1/2' SNLL in Standpipe	Behind Sidewalk	C-14	1	0
1048	013-0086-004	2622	ROCHON WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	Same - 1' SSPL of Rochon Way	38' EWLL - 12' WELL - 13' 6" NSPL of Rochon Way	Behind Sidewalk	C-14	1	0
1049	013-0085-011	2625	ROCHON WAY	1.0	1.0	RES	NO METER	1" Hybrid	4' WELL - 44' EWLL - 2' SNLL	4' WELL - 4' SNLL	Behind Sidewalk	C-14	1	0
1050	013-0086-005	2632	ROCHON WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	Same as Corp & 5' SSC of Rochon Way	32' WELL & 18' EWLL & 9' NSC Rochon Way	Behind Sidewalk	C-14	1	0
1051	013-0085-010	2633	ROCHON WAY	1.0	1.0	RES	NO METER	1" Hybrid	138' WWC of 27th St, 26' EWLL	26' EWLL, 3' S of Main	Behind Sidewalk	C-14	1	0
1052	013-0086-006	2640	ROCHON WAY	0.75	1.0	RES	NO METER	1" Hybrid	9' nsc - 14' well (3/20/07)	1) 2' ssc - 14' well in meterbox (3/20/07) 2) 28' ewll - 3' nsl in box (3/6/07) 2) 27' EWLL - 3' NSLL	Behind Sidewalk	C-14	1	0

Schedule of Services
Curtis Park Water Main Replacement, Phase 2

No.	APN	Street No.	Street Name	Ex. Tap Size (in)	New Tap Size (in)	Service Type	Meter Status	Service Type	Ex. Corp Stop Location (per historical records)	Ex. Curb Stop Location (per historical records)	Meter Location	Civil Sheet	No. of Existing Services	No. of Services to Abandon
1053	013-0085-009	2641	ROCHON WAY	1.0	1.0	RES	NO METER	1" Hybrid	15 1/2' WELL - 35 1/2' EWLL - NPL	36'EWLL-15'WELL-4'SNLL in box	Behind Sidewalk	C-14	1	0
1054	013-0086-007	2648	ROCHON WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	5' EWLL - 64' WWV 27th Street - 9' NSC Rochon Way	5' EWLL - 64' WWV of 27th St - 5' SSC Rochon Way	Behind Sidewalk	C-14	1	0
1055	010-0292-012	2672	SAN FERNANDO WAY	1.0	1.0	RES	NO METER	1" Retrofit	70' WW Curb of San Fernando Way	36'SNLL-7'NSLL-2' WWV	In Sidewalk	C-6	1	0
1056	010-0292-013	2680	SAN FERNANDO WAY	0.75	1.0	RES	NO METER	1" Retrofit		1' NSLL, 6' WWV of San Fernando in meter box	In Sidewalk	C-6	1	0
1057	010-0292-014	2690	SAN FERNANDO WAY	1.0	1.0	RES	NO METER	1" Retrofit	Same as Corp and at W Curb of San Fernando way	46' N of N Curb of 2nd Ave and 14' S of N lot line	In Sidewalk	C-6	1	0
1058	013-0051-013	2701	SAN FERNANDO WAY	1.25	1.0	RES	NO METER	1" Service w/ Meter	75' SSC 2nd Ave - 91' NSPL Alley	58' SS 2nd Ave - 5' EEC San Fernando Way (in Driveway) 14' NSLL	In Sidewalk	C-6	1	0
1059	013-0051-010	2714	SAN FERNANDO WAY	1.0	1.0	RES	NO METER	1" Hybrid	Same - on NPL of Alley	28' WNPL of San Fernando Way - 48' EWLL 7' 6" SNPL of Alley	In Sidewalk	C-6	1	0
1060	013-0051-014	2715	SAN FERNANDO WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	119' SS Cb 2nd Ave	EPL San Fernando Way	In Sidewalk	C-6	1	0
1061	010-0337-055	1925	SLOAT WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	35.3' WWPL of 21st Street	SPL of Sloat Way	Landscape Strip	C-3	1	0
1062	010-0337-001	1926	SLOAT WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter		On EPL of Lot & 1' SSC of Sloat Way	Landscape Strip	C-3	1	0
1063	010-0337-002	1934	SLOAT WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter		18' WELL & 1' SSPL of Sloat Way	Landscape Strip	C-3	1	0
1064	010-0337-054	1935	SLOAT WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	102.5' EEL West Pacific RR ROW on E Lot	1' eell - 1' nnc in sp (green cristeey box) (12/11/06)	Landscape Strip	C-3	1	0
1065	010-0337-003	1944	SLOAT WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	103' EEL of RR ROW Also @ WLL	Back of NC of Sloat	Landscape Strip	C-3	1	0
1066	010-0337-053	1945	SLOAT WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter			Landscape Strip	C-3	1	0
1067	010-0337-004	2000	SLOAT WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter		38' WELL & 1' EWLL & 1' SSC Sloat Way	Landscape Strip	C-3	1	0
1068	010-0337-052	2001	SLOAT WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	242' WWPL of 21st Street	No of Sloat	Landscape Strip	C-3	1	0
1069	010-0337-005	2010	SLOAT WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	217 1/2' WWPL 21st Street & 8' SNC Sloat	1' SSC & 14' EWLL	Landscape Strip	C-3	1	0
1070	010-0337-051	2015	SLOAT WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter		21' WELL & 1' NNC Sloat Way	Landscape Strip	C-3	1	0
1071	010-0337-006	2016	SLOAT WAY	0.75	1.0	RES	NO METER	1" Service w/ Meter	5' EELL, 22' NSC	1) 1' SSC, 5' EELL in driveway (9/23/05) 2) 1" EWPL, 5' SSSL in box (9/23/05) 3) 5' EELL, 1' SSC in box (09/22/05)	Landscape Strip	C-3	1	0
1072	010-0337-050	2017	SLOAT WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter	149 1/2' WWPL of 21st Street	Back of No of Sloat Way - ELL	Landscape Strip	C-3	1	0
1073	010-0337-007	2020	SLOAT WAY	0.75	1.0	RES	NO METER	1" Service w/ Meter	5' EWLL, 22' NSC (09/22/05)	1) 5' EWLL, 1' SSC in box (09/22/05) 2) 5' EWLL, 1' SSC of Sloat Way	Landscape Strip	C-3	1	0
1074	010-0337-049	2027	SLOAT WAY	1.0	1.0	RES	NO METER	1" Service w/ Meter		WLL - 1' NNC of Sloat	Landscape Strip	C-3	1	0

Appendix C: Drawing Index

Drawing No.	Description
W-400	Meter Box Lids
W-402R	Retrofit of 1-Inch Water Service Within Existing Sidewalk or Alley
W-402RL	Retrofit of 1-Inch Water Service at Landscape Area
W-402HB	Installation of Hybrid Water Service in Sidewalk or Alley
W-402HBL	Installation of Hybrid Water at Landscape Area
W-402NP	Retrofit in Neighboring Property
W-402RE	Retrofit of 1-Inch Water Service in Backyard Easement
W-404	Tap Excavation Requirements on Existing Mains Thru 12" Taps
W-406	Water Service Connection at Hose Bib
W-406A	Rear Water Service Connection
W-406B	Water Service Connection at Hose Bib
W-406C	Front/Side Water Service Connection
W-407	Backyard Hose Bib
W-507R	Retrofit of 1 ½-Inch & 2-Inch Water Service within Existing Sidewalk
W-507PR	1 ½-Inch & 2-Inch Metered Water Service within Existing Sidewalk
W-507PRL	1 ½-Inch & 2-Inch Metered Water Service at Landscape Area
W-507RL	Retrofit of 1 ½-Inch & 2-Inch Water Service at Landscape Area
W-507L	1 ½-Inch & 2-Inch Metered Water Service at Landscape Area
W-508R	Retrofit of 3-Inch and Larger Water Service with Ex. Backflow Device
W-509	Retrofit of 3"-8" Water Service without BF Device on Looped or Irrigation System
W-509A	Traffic Steel Cover w/4-Inch Recessed Probe Hole
W-515A	6-Inch & 8-Inch Fire Flow Meter in a Vault with Bypass
W-515C	6-Inch & 8-Inch Fire Flow Meter in a Looped System
W-515R	6-Inch & 8-Inch Fire Flow Meter Above Ground with Check Valve
W-516	6-Inch & 8-Inch Check Valve in a Vault
W-608	Installation of 3" and Larger Metered Water Services with Backflow Assembly
W-609	3 Inches & Larger RP Device with Meter on NON-City Irrigation & Looped Domestic Systems

Appendix D: Notification Letters

Installing New Water Meter (Retrofit) - 7 Days Prior

(Distribute 7 working days prior to beginning work)

(CITY LETTER HEAD)

Dear Neighbor,

The City of Sacramento, Department of Utilities, awarded a construction contract to (Contractor) to install water meters at various commercial and residential properties in your neighborhood. A new meter and box will be constructed at the point of service to each property. Also, miscellaneous improvements may be made to service laterals, water mains, and fire hydrants as necessary to complete this project in your neighborhood.

During the course of construction, on street parking may be temporarily removed to accommodate traffic and construction work. You will always have access to your home; however, access to your driveway may be temporarily restricted when construction takes place in front of your house. At the end of each work day, trenches will be backfilled and temporary paving or steel plates will be placed over the trench and all lanes of traffic will be open. Typical working hours for this project will be 7 AM to 5 PM.

Your water service will be temporary shut-off for a short period of time not more than 4 hours, between the hours of 7:30 AM and 3:30 PM. This work is currently scheduled for _____.

We may need access to your backyard to complete this work. Please provide access to your backyard and make arrangements for any pets that may be a problem. **If special arrangements are required, please contact (Contractor Superintendent) at (phone number) or a project representative listed below.** Once the meter has been installed we will need to use your hose bib and garden hose to flush the line.

During the course of the construction project, all employees that are contracted with the City of Sacramento Department of Utilities Water Meter Program will be required to wear and visibly display approved photo identification badges with an expiration date.

The Contractor does not need access inside your home at any time to complete the work associated with this project. If asked to provide access inside your home, you should deny access and contact the City Inspector immediately at the phone number provided below.

General public and construction crew safety is of primary concern to us and we encourage you to observe the construction signs. We realize this construction project may be a temporary inconvenience and we will strive to minimize the impacts to the residents.

If you have any questions or problems, please contact any one of the project representatives listed below:

Contractor Superintendent: Name, Phone Number
City Inspector: Name, Phone Number
City Project Manager: Name, Phone Number

Thank you for your cooperation on this very important project.

Please note: the contractor's schedule is subject to change without notice. For questions regarding the schedule, please contact one of the project representatives listed above.

Installing New Water Meter (Retrofit) - 24 Hours Prior
(Distribute 24 hours prior to beginning work)

(CITY LETTER HEAD)

Dear Resident,

The City of Sacramento Department of Utilities and its contractor is ready to install a water meter on your property. As indicated earlier, during the installation process, a temporary water service shut-down will be necessary.

Your water service will be temporary shut-off tomorrow for a short period of time not more than 4 hours, between the hours of 7:30 AM and 3:30 PM.

During the course of the construction project, all employees that are contracted with the City of Sacramento Department of Utilities Water Meter Program will be required to wear and visibly display approved photo identification badges with an expiration date.

The Contractor does not need access inside your home at any time to complete the work associated with this project. If asked to provide access inside your home, you should deny access and contact the City Inspector immediately at the phone number provided below.

We may need access to your backyard to complete this work. Please provide access to your backyard and make arrangements for any pets that may be a problem. **If special arrangements are required, please contact (Contractor Superintendent) at (phone number) or a project representative listed below.** Once the meter has been installed we will need to use your hose bib and garden hose to flush the line.

If your meter is being installed in the sidewalk, temporary black pavement will be placed around the meter, sidewalk and/or the driveway. This will be replaced with finished concrete within the duration of the project.

In the event that the Contractor is not able to meet this schedule, you will be re-notified with an updated schedule.

Contractor Superintendent: Name, Phone Number
City Inspector: Name, Phone Number
City Project Manager: Name, Phone Number

Thank you for your cooperation on this very important project.

**Constructing Water Main (Work in Public Right-of-Way) -
7 Days Prior**

(Distribute 7 working days prior to beginning work)

(CITY LETTER HEAD)

Dear Neighbor,

The City of Sacramento Department of Utilities awarded a construction contract to (Contractor) to replace the water distribution main and water services in your neighborhood. A new water main will be constructed in the street and water services will be constructed from the new main to each home. Also, new fire hydrants will be constructed to improve fire protection in your neighborhood.

During the course of construction, on street parking may be temporarily removed to accommodate traffic and construction work. You will always have access to your home; however, access to your driveway may be temporarily restricted when construction takes place in front of your house. At the end of each work day, trenches will be backfilled and temporary paving or steel plates will be placed over the trench and all lanes of traffic will be open. , Typical working hours for this project will be 7 AM to 6 PM.

General public and construction crew safety is of primary concern to us and we encourage you to observe the construction signs. The City realizes this construction project may be a temporary inconvenience and we will strive to minimize the impacts to the residents.

If you have any questions or problems, please contact any one of the project representatives listed below:

Contractor Superintendent: Name, Phone Number

City Inspector: Name, Phone Number

City Project Manager: Name, Phone Number

Pipeline work is scheduled to begin in your neighborhood on _____.

Once the pipeline is constructed, we will return to your street several times to complete the following: install the water service to each home, disinfect and pressure test the pipelines and restore paving and landscaping. The anticipated project completion date is _____. Thank you for your cooperation on this very important project.

Please note: the contractor's schedule is subject to change without notice. For questions regarding the schedule, please contact one of the project representatives listed above.

**Constructing Water Main (Work in Public Right-of-Way) -
24 Hours Prior**

(Distribute 24 hours prior to beginning work)

(CITY LETTER HEAD)

Dear Neighbor,

The City of Sacramento, Department of Utilities is conducting water main replacement project for your neighborhood. A Contractor may need to access your property to collect data to help the city determine pipe size and connection location. The Contractor may need to access your back yard as part of the data collection process. Please provide access to your backyard and make arrangements for any pets that may be a problem.

During the course of the construction project, all employees that are contracted with the City of Sacramento Department of Utilities Water Meter Program will be required to wear and visibly display approved photo identification badges with an expiration date.

The Contractor does not need access inside your home at any time to complete the work associated with this project. If asked to provide access inside your home, you should deny access and contact the City Inspector immediately at the phone number provided below.

If special arrangements are required, please contact (Contractor Superintendent) at (phone number) or a project representative listed below.

City Inspector: Name, Phone Number
City Project Manager: Name, Phone Number

Thank you for your cooperation on this very important project.

Installation of New Water Service and Meter - 7 Days Prior
(Distribute 7 working days prior to beginning work)

(CITY LETTER HEAD)

Dear Resident,

(Contractor) has completed construction of the water main in your neighborhood. The next phase of this project requires construction of a new water service from the new water main in the street to your home.

The Contractor will need access to this property on (include date(s)) between the hours of 7:30 AM and 3:30 PM

We will need access to the frontyard and backyard to complete this work. Please provide access to the property and make arrangements for any pets that may be kept in the yard.

During the course of the construction project, all employees that are contracted with the City of Sacramento Department of Utilities Water Meter Program will be required to wear and visibly display approved photo identification badges with an expiration date.

The Contractor does not need access inside your home at any time to complete the work associated with this project. If asked to provide access inside your home, you should deny access and contact the City Inspector immediately at the phone number provided below.

If special arrangements are required, please contact (Contractor Superintendent) at (phone number) or a project representative listed below.

City Inspector: Name, Phone Number
City Project Manager: Name, Phone Number

Thank you for your cooperation on this very important project.

Installation of New Water Service and Meter - 24 Hours Prior
(Distribute 24 hours prior to beginning work)

(CITY LETTER HEAD)

(Contractor) has completed construction of the water main in your neighborhood. The next phase of this project requires construction of a new water service from the new water main in the street to your home.

The Contractor will need access to this property on (include date) between the hours of 7:30 AM and 3:30 PM

We will need access to the front yard and backyard to complete this work. Please provide access to this property and make arrangements for any pets that may kept in the yard.

During the course of the construction project, all employees that are contracted with the City of Sacramento Department of Utilities Water Meter Program will be required to wear and visibly display approved photo identification badges with an expiration date.

The Contractor does not need access inside your home at any time to complete the work associated with this project. If asked to provide access inside your home, you should deny access and contact the City Inspector immediately at the phone number provided below.

If special arrangements are required, please contact (Contractor Superintendent) at (phone number) or a project representative listed below.

In the event that the Contractor is not able to meet this schedule, you will be re-notified with an updated schedule.

City Inspector: Name, Phone Number
City Project Manager: Name, Phone Number

Thank you for your cooperation on this very important project.

Access to Property - 7 Days & 24 Hours Prior
(Distribute 7 working days and 24 hours prior to obtaining access to property)

(CITY LETTER HEAD)

Dear Neighbor,

The City of Sacramento, Department of Utilities, awarded a construction contract to (Contractor) to install water meters at various commercial and residential properties in your neighborhood. A new meter and box will be constructed at the point of service to each property.

The City and Contractor will need access to the backyard several times over the course of this project and will notify you prior to each visit. Please provide access to the backyard and make arrangements for any pets that may be kept in the yard.

During the course of the construction project, all employees that are contracted with the City of Sacramento Department of Utilities Water Meter Program will be required to wear and visibly display approved photo identification badges with an expiration date.

The Contractor does not need access inside your home at any time to complete the work associated with this project. If asked to provide access inside your home, you should deny access and contact the City Inspector immediately at the phone number provided below.

If special arrangements are required, please contact (Contractor Superintendent) at (phone number) or a project representative listed below.

Contractor Superintendent: Name, Phone Number
City Inspector: Name, Phone Number
City Project Manager: Name, Phone Number

The Contractor will need access to your yard on _____.

In the event that the Contractor is not able to meet this schedule, you will be re-notified with an updated schedule.

Thank you for your cooperation on this very important project.

Transferring Water Services - 7 Days Prior
(Distribute 7 working days prior to beginning work)

(CITY LETTER HEAD)

Dear Neighbor,

(Contractor) has completed construction of the water main in your neighborhood. The next phase of this project requires connecting your new water service to your house plumbing.

Your water service will be temporary shut-off for a short period of time between the hours of 7:30 AM and 3:30 PM. This work is currently scheduled for _____.

We will need access to the backyard to complete this work. Please provide access to the backyard and make arrangements for any pets that may be kept in the yard.

During the course of the construction project, all employees that are contracted with the City of Sacramento Department of Utilities Water Meter Program will be required to wear and visibly display approved photo identification badges with an expiration date.

The Contractor does not need access inside your home at any time to complete the work associated with this project. If asked to provide access inside your home, you should deny access and contact the City Inspector immediately at the phone number provided below.

If special arrangements are required, please contact (Contractor Superintendent) at (phone number) or a project representative listed below.

City Inspector: Name, Phone Number
City Project Manager: Name, Phone Number

Thank you for your cooperation on this very important project.

Please note: the contractor's schedule is subject to change without notice. For questions regarding the schedule, please contact one of the project representatives listed above.

Transferring Water Services - 24 Hours Prior
(Distribute 24 hours prior to beginning work)

(CITY LETTER HEAD)

Dear Neighbor,

Your water service will be temporary shut-off tomorrow for a short period of time between the hours of 7:30 AM and 3:30 PM.

The City of Sacramento and its Contractor will need access to the backyard to complete this work. Please provide access to the backyard and make arrangements for any pets that may be kept in the yard.

During the course of the construction project, all employees that are contracted with the City of Sacramento Department of Utilities Water Meter Program will be required to wear and visibly display approved photo identification badges with an expiration date.

The Contractor does not need access inside your home at any time to complete the work associated with this project. If asked to provide access inside your home, you should deny access and contact the City Inspector immediately at the phone number provided below.

If special arrangements are required, please contact (Contractor Superintendent) at (phone number) or a project representative listed below.

In the event that the Contractor is not able to meet this schedule, you will be re-notified with an updated schedule.

City Inspector: Name, Phone Number
City Project Manager: Name, Phone Number

Thank you for your cooperation on this very important project.

Water Main Surface Restoration - 7 Days & 24 Hours Prior
(Distribute 7 working days and 24 hours prior to beginning work)

(CITY LETTER HEAD)

Dear Resident,

(Contractor) has completed construction of the water main and installation of water services in your neighborhood. The next phase of the project requires surface restoration of the street pavement. The Contractor may also need to perform work to repair or replace curb, gutter or other improvements disturbed during the construction of the new water mains and services. Parking and temporary street closures may accompany this paving. Access to your driveway may be temporarily restricted when construction takes place in front of your house

The Contractor plans to perform paving on your street on/between (include date(s)) between the hours of 7:30 AM and 3:30 PM.

If special arrangements are required, please contact (Contractor Superintendent) at (phone number) or a project representative listed below.

City Inspector: Name: Phone Number
City Project Manager: Name: Phone Number

In the event that the Contractor is not able to meet this schedule, you will be re-notified with an updated schedule.

Thank you for your cooperation on this very important project.

Fire Hydrant Installation - 7 Days Prior

(Distribute 7 working days prior to sawcutting street for new hydrant lateral)



IMPORTANT NOTICE ABOUT THE FIRE HYDRANT INSTALLATION FRONTING YOUR PROPERTY

Dear Neighbor,

The City of Sacramento Department of Utilities will soon begin the installation of new water mains, which includes the installation of new fire hydrants in your area. A new fire hydrant will be placed within the City right-of-way or easement fronting your property. The new hydrant location has been marked in the field for your reference.

The location of the proposed fire hydrant is based on a series of design criteria including meeting minimum spacing requirements to meet the Fire Code, avoiding obstructions and other utilities, and minimizing the impact to the neighborhood. Where possible, hydrants are placed at street intersections or near property lines to best serve the neighborhood. In order to maintain fire protection during construction, existing hydrants will remain in service until after the new water mains and fire hydrants are activated.

The City of Sacramento has previously notified the property owner, as well as the residents living at the property, regarding the fire hydrant placement and installation. Any concerns that have been informed to the City Project Manager have been discussed with the property owner and addressed when possible.

During construction of the new hydrant, you may experience temporary street closures or parking removal. If you have any questions or concerns, please contact the City Inspector or the City Project Manager.

City Inspector: Name & Phone No.

City Project Manager: Name & Phone No.

We appreciate your understanding as we work to improve water service to your neighborhood.

City of Sacramento, Department of Utilities
1395 35th Avenue, Sacramento, CA 95822
(916) 808-1400

Appendix E: Contractor Source Documents for Monthly Billing (Example)

Appendix F: Sidewalk Closure Policy

Sidewalk Closures Policy

Background:

For any sidewalk closure there needs to be an alternate accessible pedestrian route and is hereto defined as a path of travel when an existing pedestrian route is blocked by construction, alteration, maintenance, or other temporary conditions. Currently the City of Sacramento's DOT addresses this issue via the Contract Special Provisions and Traffic Control Plan (to include vehicle, pedestrian, bicycle, etc.) submitted to staff before construction activities begin. Although the current special provisions address access to pedestrians with disabilities in concept, more specificity and clarification are needed in order to keep abreast of the public rights-of-way accessibility requirements and to create a consistent set of standards for the individuals/entities who do construction work in the City's rights-of-way.

Accessibility Requirements:

Section R302 of the Revised Draft Guidelines for the Public Rights-of-Way published in November of 2005 by the United States Access Board, requires an alternate access route when the existing pedestrian route is temporarily closed. Although the Draft Guidelines are not currently enforceable by the US Department of Justice, they represent best practices that should be followed when appropriate. It is preferable that the alternate accessible pedestrian route is adjacent to the initial path of travel where feasible. The alternate accessible route shall be clearly marked and detectable by pedestrians with visual impairments. In cases where the alternate accessible pedestrian route cannot be maintained adjacent to the construction site, pedestrians may be routed to the opposite side if adequate signage and appropriate and safe crossing options are provided. Particular attention is directed to the California MUTCD, Chapter 6D – Pedestrian and Worker Safety and Chapter 6F – Temporary Traffic Control Zone Devices.

Standards:

Before the beginning of construction or before an encroachment permit is approved, the Project Manager or Contractor shall submit a traffic control plan whereby she/he specifically outlines the alternate accessible pedestrian route. The traffic control plan will be reviewed by the Department of Transportation staff for compliance. In designating an alternate accessible pedestrian route, the following accessibility elements must be followed to the maximum extent feasible:

1. Overall, tape and traffic cones are not acceptable methods for directing or guiding pedestrians to an alternate route or providing a barricade due to their lack of detectability by pedestrians who are blind and use a long cane to navigate.
2. It is preferable for the alternate accessible pedestrian route to be adjacent to the initial path of travel where it is safe and feasible to do so.
3. The sidewalk's running slope must be equal to that of the adjacent vehicular way
4. No vertical displacements greater than ¼ of an inch are allowed within the walking surface; if a displacement of greater than ¼ of an inch exists it can be temporarily

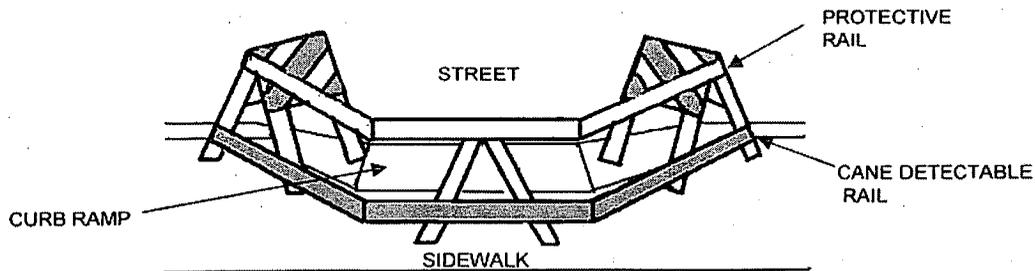
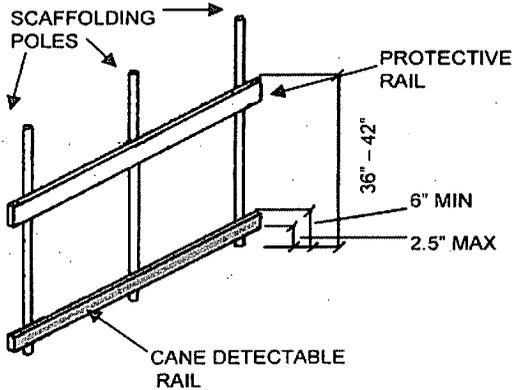
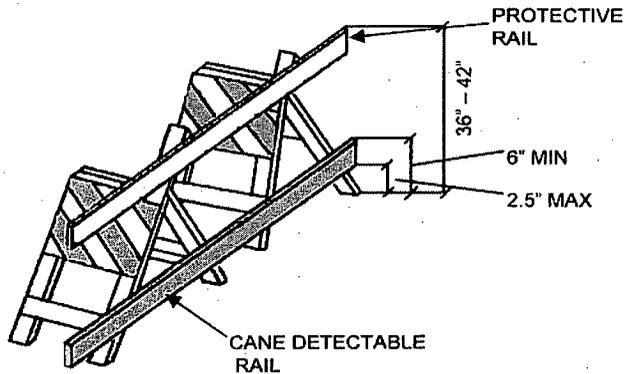
mitigated by a asphalt patch not to exceed a 1:12 (8.33%) slope.

5. The clear width of the alternate pedestrian route shall be 48" minimum.
6. Single points are allowed to reduce to 36" for a distance of up to 2 ft.
7. No objects shall protrude more than 4" between 27" and 80" in height and into the path of travel.
8. Where a sidewalk closure or channeling is required it shall conform to the required elements applicable to sidewalk barricades shown in Attachment 1 (See Pedestrian Barricades). The top of the bottom rail of the barricade shall be no less than 6" above ground and the bottom of the bottom rail of the barricade shall be no more than 2.5" above the ground for long cane detectability. The bottom rail is to be highly visible, painted orange, white, or yellow. The top of the top rail of the barricade shall be between 36"- 42" above ground. The rails shall extend across barricades for the full width of the closed sidewalk or curb ramp. When rails are used to channel pedestrians the rails shall extend the entire length of the temporary path of travel so that there are no gaps in the rails.
9. Where temporary fencing delineates and parallels the edge of the walkway, the footings of the fence shall be kept outside the 48" walkway to eliminate tripping hazards.
10. Where curb, gutter or sidewalk is removed, barricades are to be installed by the contractor. Barricades shall remain in place a minimum of 72 hours after concrete has been poured on new curb, gutter, and sidewalk. Contractors shall be responsible for monitoring and keeping barricades placed on curb, gutter, and sidewalk work site during the 72 hour requirement and/or until paved back.
11. Where detours are provided, sidewalk signs indicating that the sidewalk, curb ramp, or both the sidewalk and curb ramp are closed to through pedestrian traffic are required. These signs shall be placed so as to provide ample warning of the detour to people with mobility impairments and minimize backtracking. Signs shall be placed so that they are visible from the sidewalk before the detour begins (see Attachment 2 for sign placement).
12. During detours, access shall be provided by directing all pedestrian traffic to the unaltered side of the street where marked crossings and usable curb ramps exist; if such elements do not exist, temporary marked crosswalks and temporary ramps shall be provided. Any plan proposing temporary marked crosswalks and ramps must be approved by Traffic Engineering.
13. In the Downtown area, which is bounded by Highway 50, Sacramento River, American River, and Business 80, the Contractor will only be allowed to work at one (1) corner of an intersection at one time, or up to two (2) corners of any two adjacent intersections, all on the same side of the primary street being constructed.
14. In all other areas, the Contractor shall be allowed to work at up two (2) corners of an intersection at one time, or at up to three (3) corners of any two adjacent intersections, all on the same side of the primary street being constructed.
15. No additional construction work shall be allowed at the two (2) adjacent intersections until the truncated domes are fully installed.

Proposed variances from the above guidelines shall be reviewed and approved by the Construction Traffic Management Engineer and ADA Physical Access Manager.

Rev. 10/07

Pedestrian Barricade



BARRICADE ELEMENTS

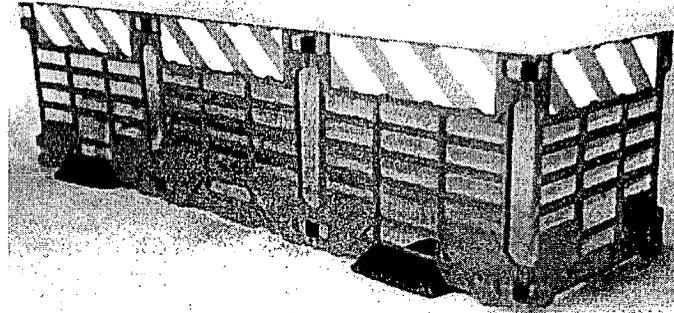
(Minimum Requirements)

- Tape and traffic cones not acceptable.
- Cane detectable, solid rail a maximum of 2.5" above grade and a minimum of 6" above grade that extends across entire width of sidewalk/curb ramp.
- Solid protective rail 36" - 42" above grade that extends across the entire width of the sidewalk/curb ramp.
- Cane detectable rail is highly visible, painted either orange, white, or yellow and should match the color of the adjacent channeling or traffic control devices, if any are present.
- When used to channel pedestrians, the rails shall extend the entire length of the temporary walkway so that there are no gaps in the rail.

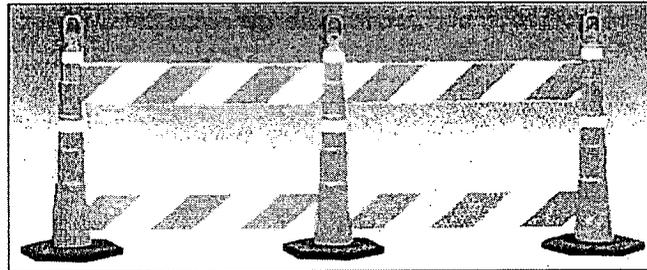
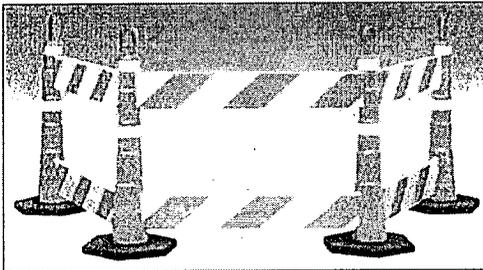
OPTIONS

- Type I, II, or III barricades placed end to end and fastened together to create one rigid barrier with rails that meet above requirements.
- Chain link fencing equipped with toe rail that extends the entire length of the temporary walkway and protrudes to the face of the footings.
- See California MUTCD, sections 6D and 6F.68 for additional guidance.

Attachment 1



Remcon Plastics, Incorporated
www.remcon.com/safety-products/pedestrian-barricade



Plastic Safety Systems, Incorporated
www.plasticsafety.com/barricade.navigator.asp



Pedestrian Channeling Using Type 1 Barricade

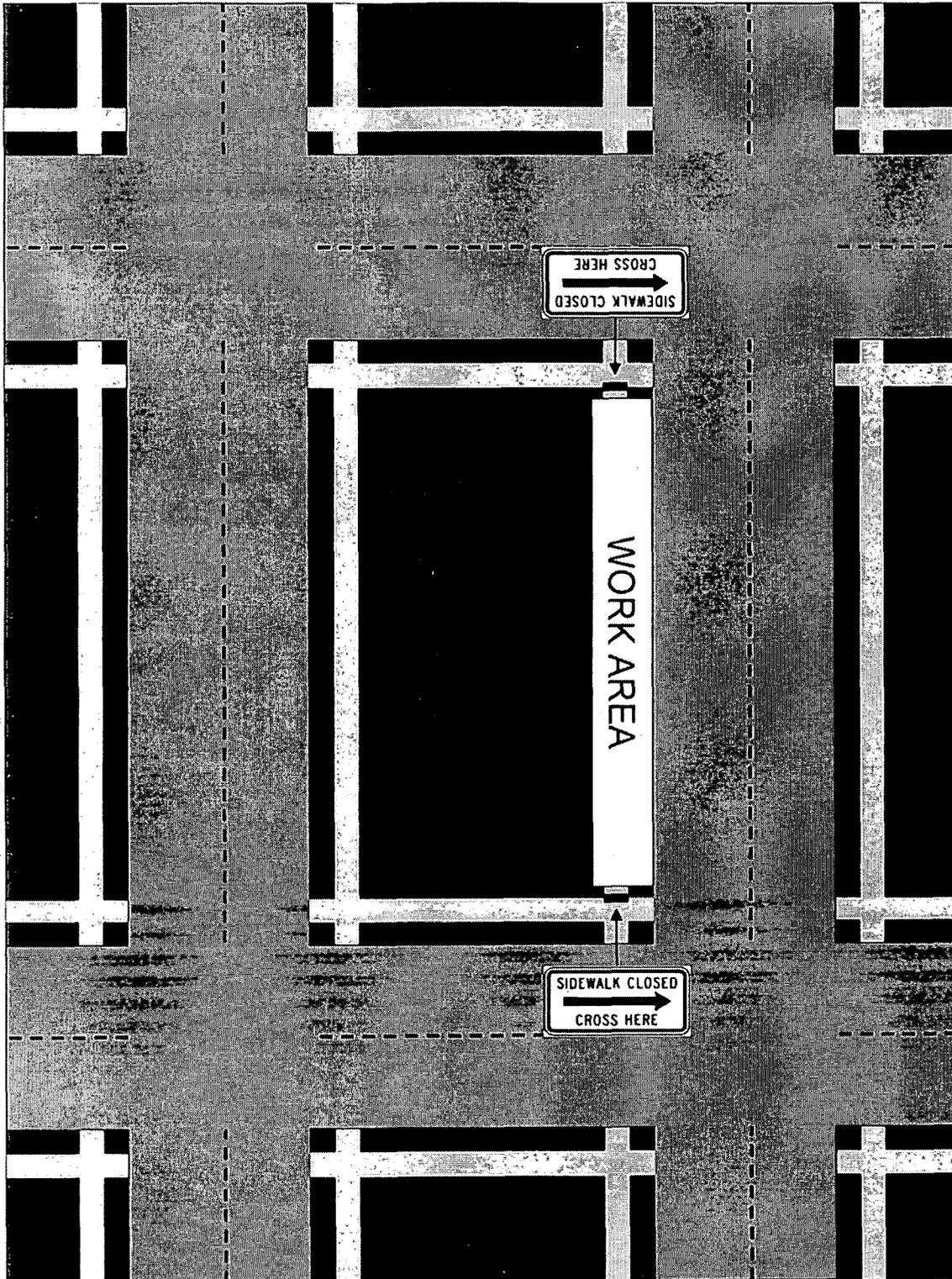


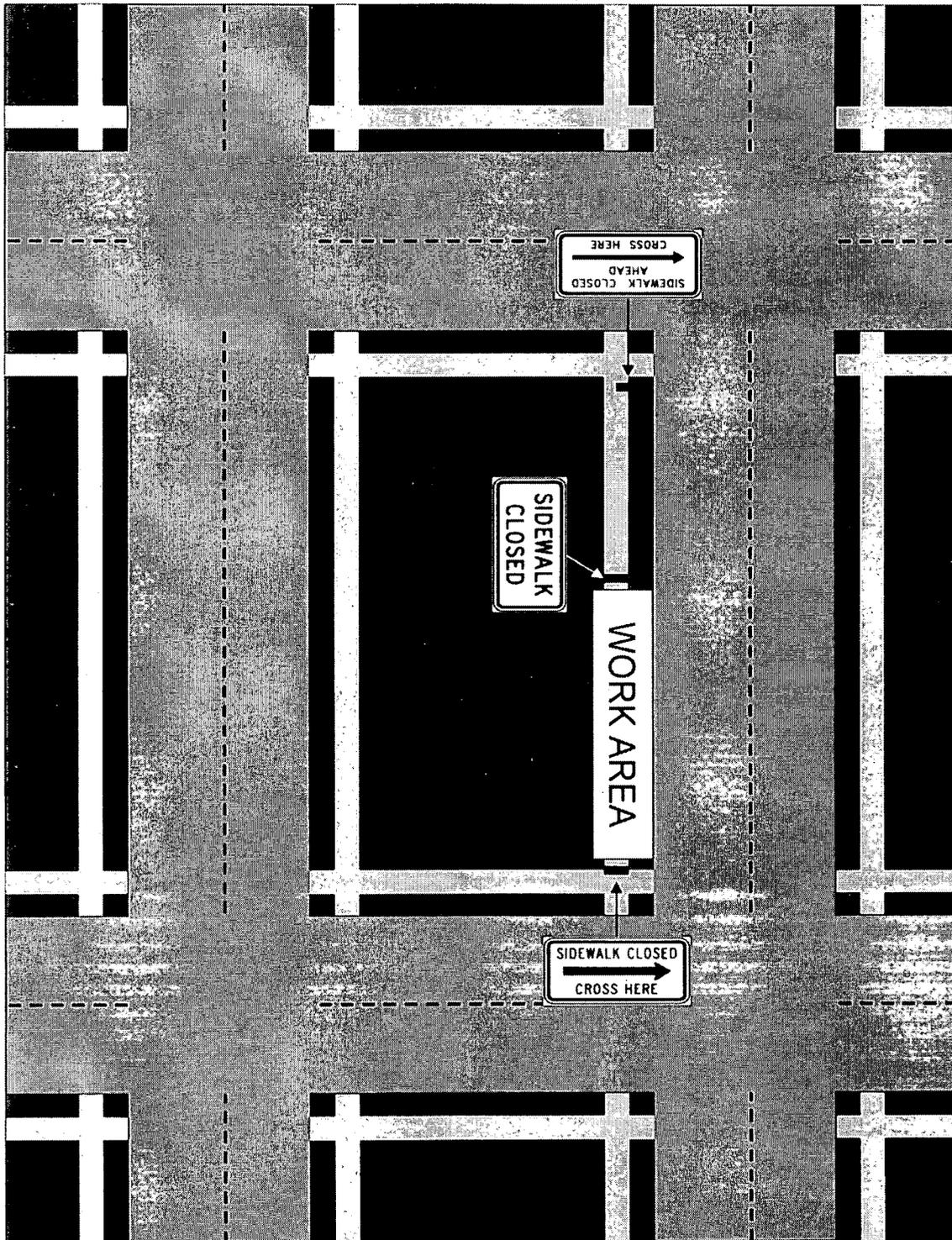
Pedestrian Channeling Using Type 1 Barricade

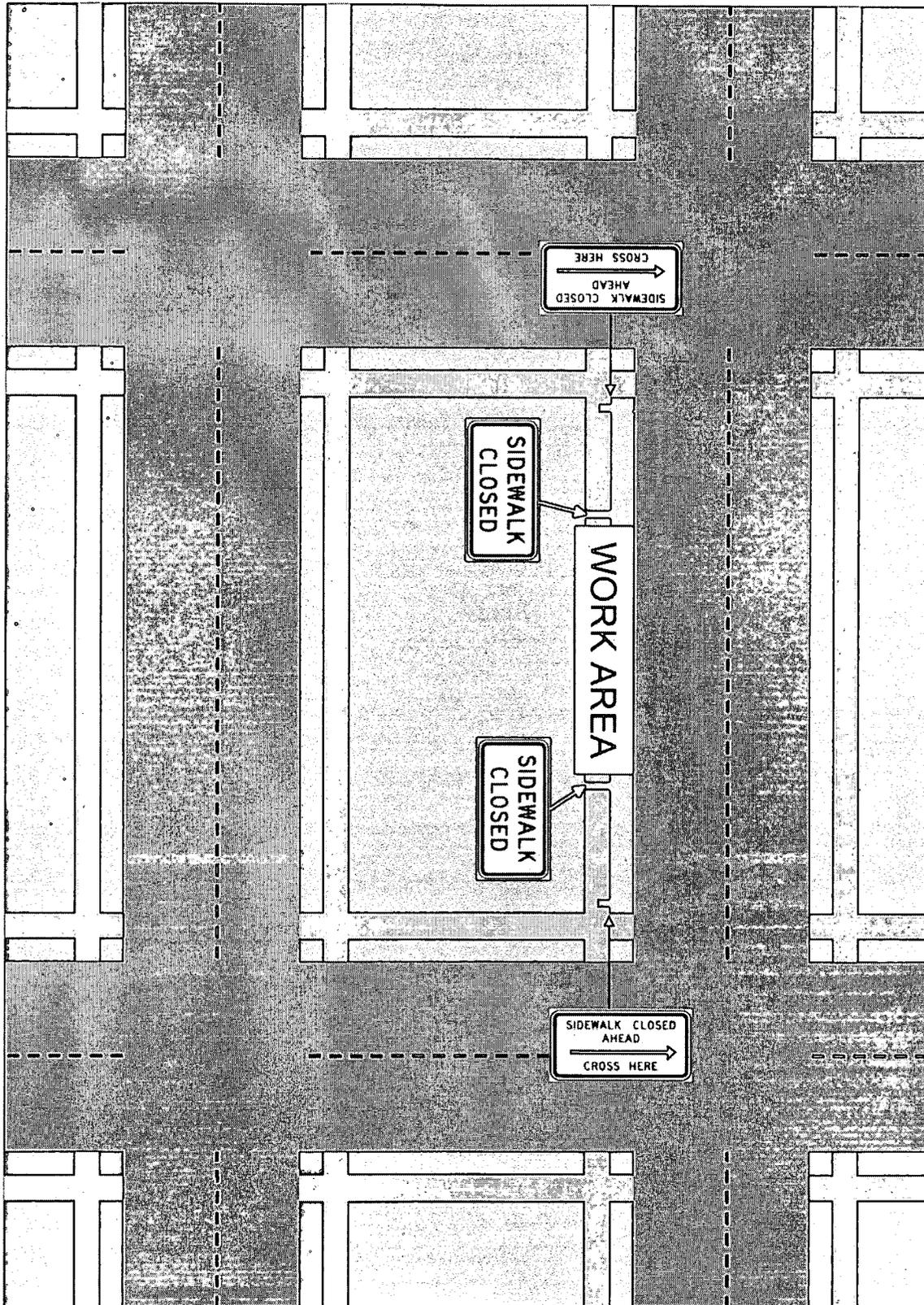
Sidewalk Closure Signs

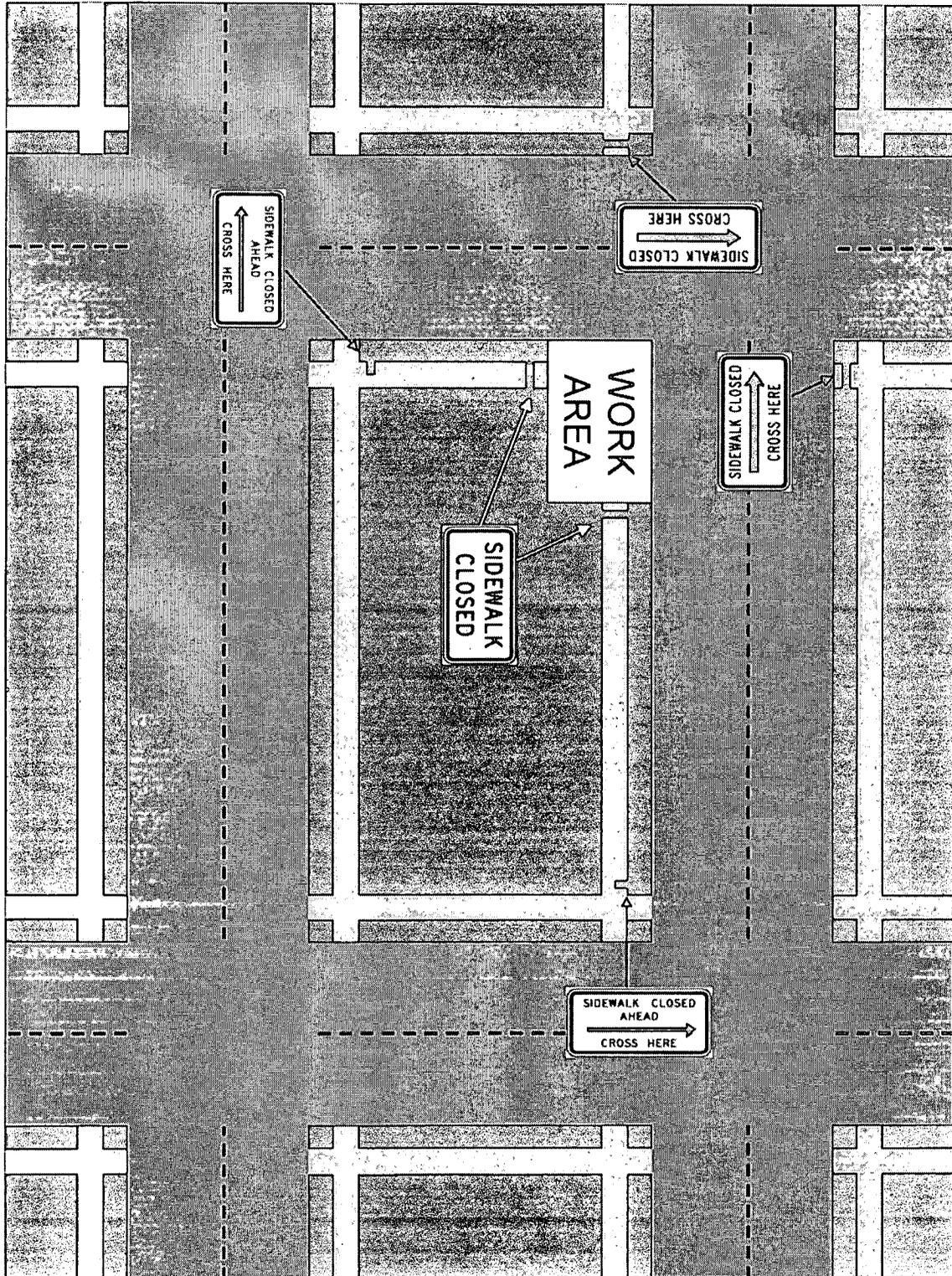
- This attachment should be used as a guide in directing the placement and design of warning signs for sidewalk closures. Signs shall conform to the standards in the current edition of the California MUTCD. Any variation of the signs used shall be approved by the responsible city engineer.
- **SIDEWALK CLOSED (R9-9):** Installed at the beginning of the closed sidewalk, at the intersections preceding the closed sidewalk, and elsewhere along the closed sidewalk as needed.
- **SIDEWALK CLOSED, (ARROW) USE OTHER SIDE (R9-10):** Installed at the beginning of the restricted sidewalk when a parallel sidewalk exists on the other side of the roadway.
- **SIDEWALK CLOSED AHEAD, (ARROW) CROSS HERE (R9-11):** Used to indicate to pedestrians that sidewalks beyond the sign are closed and to direct them to open crosswalks, sidewalks, or other travel paths.
- **SIDEWALK CLOSED, (ARROW) CROSS HERE (R9-11a):** Installed just beyond the point to which pedestrians are being redirected.

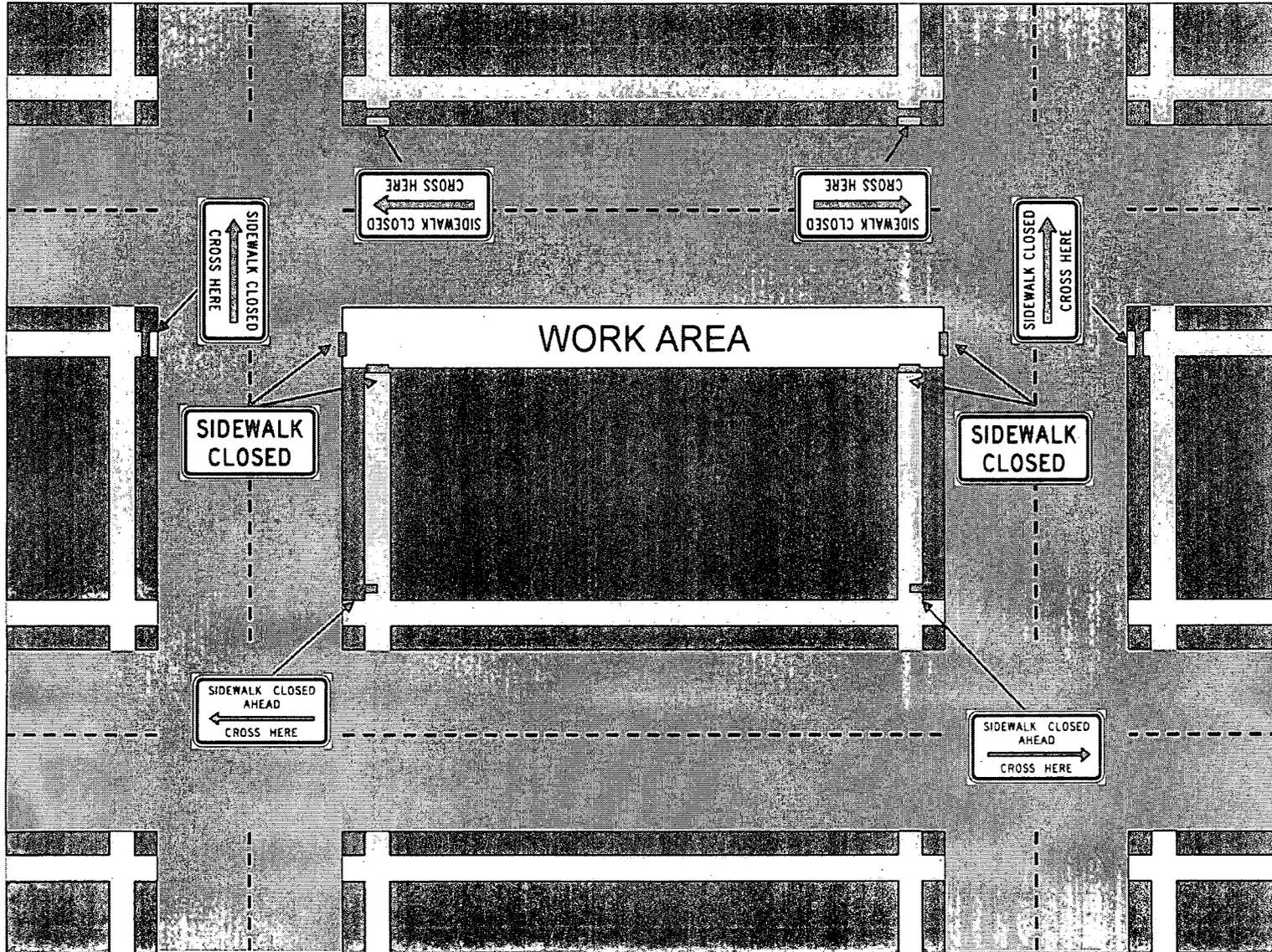
These signs are typically mounted on a detectable barricade to encourage compliance and communicate with pedestrians that the sidewalk is closed. The barricade shall extend the entire width of the sidewalk where the sidewalk is closed. When indicating that a sidewalk is closed ahead, the sign shall be placed so it is visible to pedestrians while maintaining a 4 foot minimum walkway. The signs are reflective, made of aluminum, and printed with black lettering on a white background. Details of various signs can be found in the "Standard Highway Signs" book.

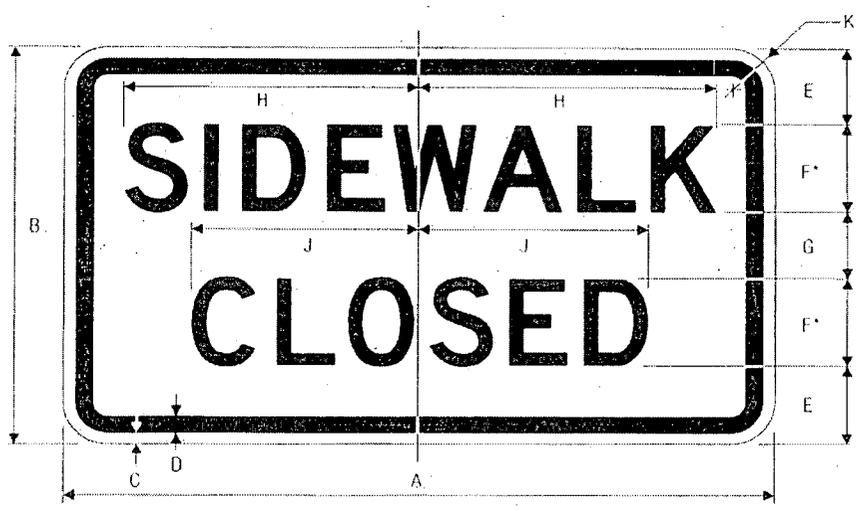








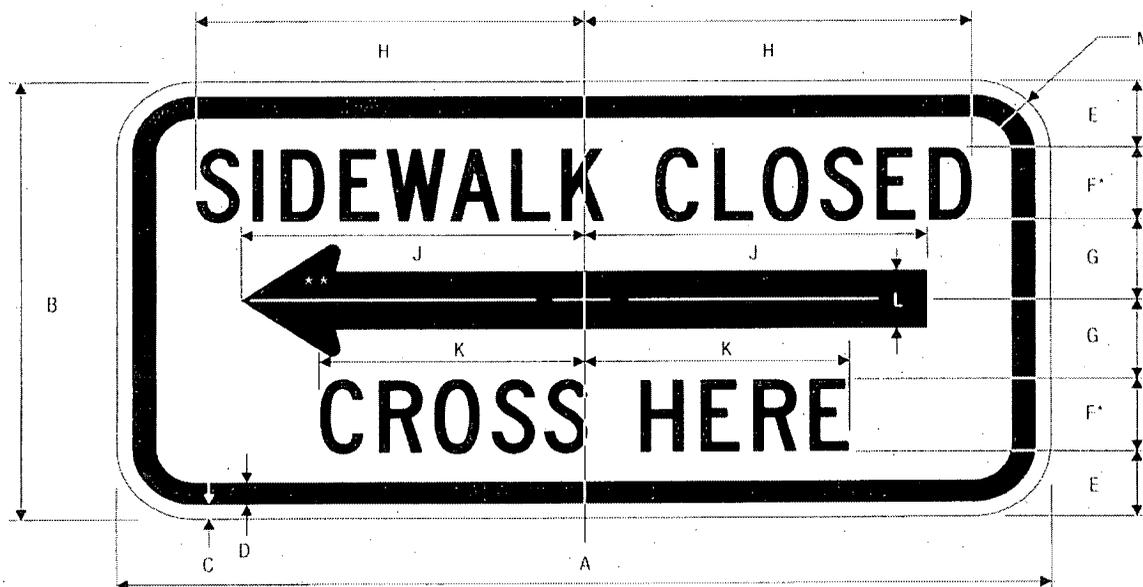




R9-9
SIDEWALK CLOSED

A	B	C	D	E	F	G	H	J	K
24	12	.375	.625	2.125	3 D*	1.75	9.367	7.225	1.5
30	18	.625	.875	3.5	4 D*	3	12.490	9.622	2.25

COLORS: LEGEND — BLACK
BACKGROUND — WHITE (RETROREFLECTIVE)



R9-11a

SIDEWALK CLOSED CROSS HERE

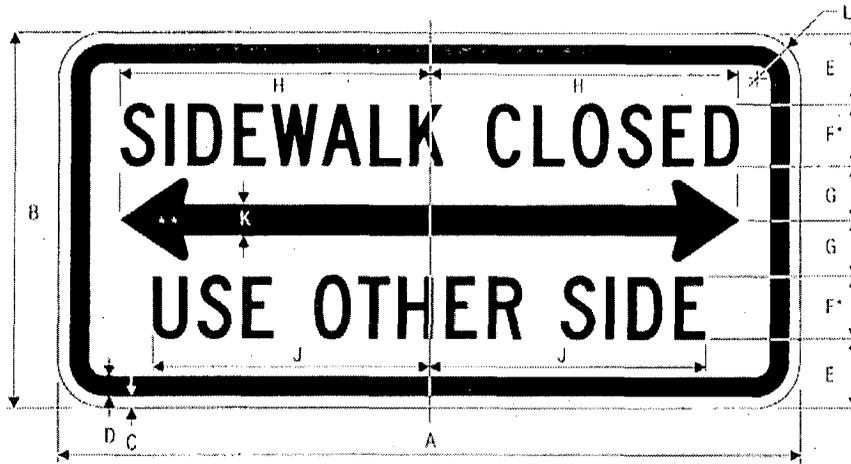
*Series 2000 Standard Alphabets.
 **See page 6-2 for arrow design.

A	B	C	D	E	F	G	H	J	K	L	M
24	12	.375	.625	1.75	2 C	2.250	9.967	8.75	7.785	1.6	1.5
48	24	.75	1.25	4.5	4 C	3.5	20	17.882	13.5	2	3

COLORS: LEGEND — BLACK
 BACKGROUND — WHITE (RETROREFLECTIVE)

Sidewalk Closure Signs

Attachment 2



R9-10 SIDEWALK CLOSED USE OTHER SIDE

A	B	C	D	E	F	G	H	J	K	L
24	12	.375	.625	1.75	2 C	2.250	9.967	9.014	1.6	1.5
48	24	.75	1.25	4.5	4 C	3.5	20	17.882	2	3



R9-11 SIDEWALK CLOSED AHEAD CROSS HERE

A	B	C	D	E	F	G	H	J	K	L	M	N
24	12	.375	.625	1.75	1.5 D	.75	1.625	9.367	3.422	.680	6.284	1.5
48	36	.75	1.25	6	4 C	3	4.5	20	6.971	2	13.570	3

COLORS: LEGEND - BLACK
 BACKGROUND - WHITE (RETROREFLECTIVE)

Appendix G: Legend for Curb Stop Abbreviations in Schedule of Services

ABBREVIATIONS

NE	NORTH OF EAST
SN	SOUTH OF NORTH
NS	NORTH OF SOUTH
NNC	NORTH OF NORTH CURB
SSC	SOUTH OF SOUTH CURB
NSC	NORTH OF SOUTH CURB
SNC	SOUTH OF NORTH CURB
WWC	WEST OF WEST CURB
EEC	EAST OF EAST CURB
EWC	EAST OF WEST CURB
WEC	WEST OF EAST CURB
SC	SOUTH CURB
NC	NORTH CURB
EC	EAST CURB
WC	WEST CURB
NNLL	NORTH OF NORTH LOT LINE
SSLL	SOUTH OF SOUTH LOT LINE
EELL	EAST OF EAST LOT LINE
WWLL	WEST OF WEST LOT LINE
NSLL	NORTH OF SOUTH LOT LINE
SNLL	SOUTH OF NORTH LOT LINE
EWLL	EAST OF WEST LOT LINE
WELL	WEST OF EAST LOT LINE
NNPL	NORTH OF NORTH PROPERTY LINE
SSPL	SOUTH OF SOUTH PROPERTY LINE
EEPL	EAST OF EAST PROPERTY LINE
WWPL	WEST OF WEST PROPERTY LINE
NSPL	NORTH OF SOUTH PROPERTY LINE
SNPL	SOUTH OF NORTH PROPERTY LINE
EWPL	EAST OF WEST PROPERTY LINE
WEPL	WEST OF EAST PROPERTY LINE
NPL	NORTH PROPERTY LINE
SPL	SOUTH PROPERTY LINE
EPL	EAST PROPERTY LINE
WPL	WEST PROPERTY LINE
(N)(S)(E)(W)	LOOKING THIS PARTICULAR DIRECTION
C/L	CENTERLINE
SVC	SERVICE
L	LINE
LH	LEFT HAND
RH	RIGHT HAND
Cor.	CORNER

Appendix H: Location Description Examples

Measurement Examples

Fire Hydrant - include address where hydrant is located and distance and direction from water main.

FH: Located in front of 1500 10th Ave.
Brand name (type) of FH
Model number
10' north of main

Fire Hydrant Gate Valve - include distance and direction from fire hydrant.

FH GV: 9' south of Fire Hydrant

Meter Box - include address and location.

MB: 1400 Wentworth Ave: 45" NSPL, 5' EEC

Appendix I: Traffic Alert Form



TRAFFIC ALERT REQUEST

This request will provide the Department of Transportation (DOT) with the facts it needs to determine whether a traffic alert is needed. A traffic alert is warranted when traffic and/or pedestrian impacts related to construction activities are anticipated.

The alert is sent out to the local news media and to City Council, the City Manager's Office and DOT managers. Issuance of a traffic alert does not relieve the requestor of direct communication with the contiguous or adjacent businesses and residents.

Advance notification is necessary to provide DOT with ample time to consider whether a traffic alert is necessary, draft and obtain approval on copy and provide the news media with sufficient notice to consider running the announcement. **Therefore, the traffic alert must be submitted to Linda Tucker, Media and Communication Specialist with DOT, at least ten (10) days prior to scheduled work.**

DATE BIDS DUE: _____

DATE OF AWARD: _____

WHO: Curtis Park Water Main Replacement, Phase 2, Project Manager: Megan Thomas

WHAT: _____

WHERE: _____

WHEN (CONSTRUCTION START AND END DATE): _____

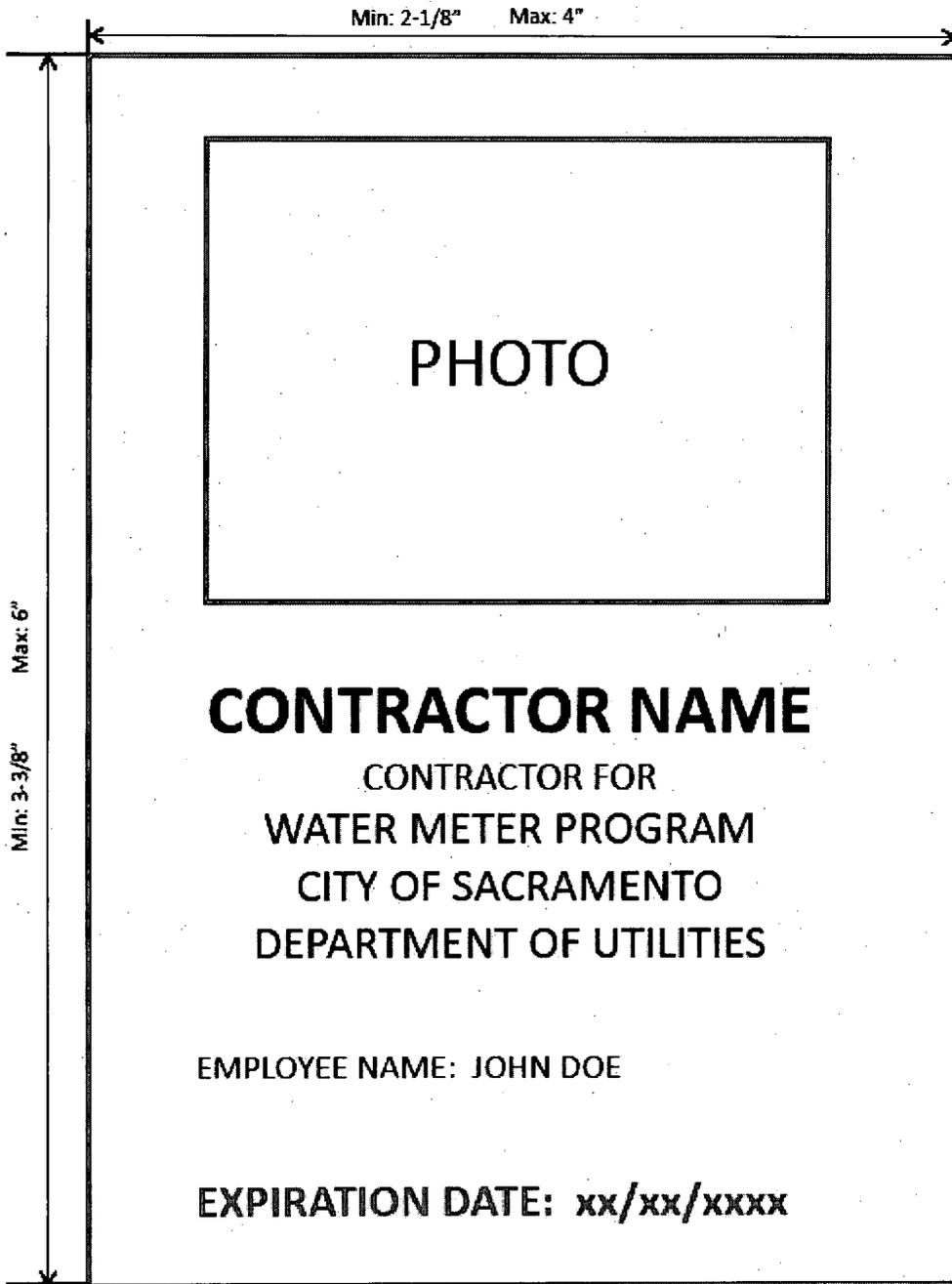
WHY: _____

IMPACT:

(Please indicate what roads, or lanes of roads, require closure, the streets between what blocks to be closed and any other impacts anticipated such as dust, noise and heavy equipment.)

CONTACT: _____

Appendix J: Contractor Photo Identification Badge



ID must be laminated and shall be worn by all Contractor employees at all times during construction

Appendix K: Union Pacific Railroad Minimum Safety Requirements for Contractors

Obtained from the Union Pacific Railroad website (<http://www.up.com>) on April 2, 2015:

UPRR Safety Instructions

The following Safety Instructions are contained in all miscellaneous work contracts, work or service contracts, and major construction project contracts.

Safety of personnel, property, rail operations and the public is of paramount importance in the prosecution of the work pursuant to this agreement. As reinforcement and in furtherance of overall safety measures to be observed by the contractor (and not by way of limitation), the following special safety rules shall be followed:

1. The contractor shall keep the job site free from safety and health hazards and ensure that its employees are competent and adequately trained in all safety and health aspects of the job. The contractor shall have proper first-aid supplies available on the job site so that prompt first-aid services can be provided to any person that may be injured on the job site. The contractor shall promptly notify the railroad of any U.S. Occupational Safety and Health Administration reportable injuries occurring to any person that may arise during the work performed on the job site. The contractor shall have a non-delegable duty to control its employees, while they are on the job site or any other property of the railroad, to be certain they do not use, be under the influence of, or have in their possession any alcoholic beverage or illegally obtained drug, narcotic or other substance.
2. The employee of the contractor shall be suitably dressed to perform their duties safety and in a manner that will not interfere with their vision, hearing, or free use of their hands or feet. Only waist length shirts with sleeves and trousers that cover the entire leg are to be worn. If flare-legged trousers are worn, the trouser bottoms must be tied to prevent catching. The employees should wear sturdy and protective footwear. Employees shall not wear boots (other than work boots), sandals, canvas type shoes, or other shoes that have thin soles or heels that are higher than normal. In addition, the contractor shall require its employees to wear personal protective equipment as specified by railroad rules, regulations, or railroad officials overlooking the work at the job site. In particular, the protective equipment to be worn shall be:
 - 1) Protective head gear that meets American National Standard Z89. 1 – latest revision. It is suggested that all hard hats be affixed with contractor's or subcontractor's company logo or name.
 - 2) Eye protection that meets American National Standard for occupational and educational eye and face protection, Z87. 1 – latest revision. Additional eye protection must be provided to meet specific job situations such as welding, grinding, burning, etc.
 - 3) Hearing protection which affords enough attenuation to give protection from noise levels that will be occurring on the job site.
3. All heavy equipment provided or leased by the contractor shall be equipped with audible backup warning devices.
4. If in the opinion of the railroad representative any of contractor's or any of its subcontractor's equipment is unsafe for use on the railroad's right of way, the contractor, at the request of the railroad representative, shall remove such equipment from the railroad's right of way.
5. If the railroad representative has given the contractor permission to use certain equipment on any trackage at the job site, contractor shall ensure that each and all of its employees responsible for operating any motive power including, without limitation, any tryrail equipment (such equipment hereafter being referred to as "motive power") on any trackage of railroad will

be trained to know and understand, and will comply with railroad's operating rules applicable to the operation and use of such motive power.

In the event contractor's employees use any such motive power to move any rail cars or other railbound equipment equipped with air brakes, contractor shall further ensure that the employees are trained to know and understand and will comply with railroad's rules for handling such motive power, cars and equipment, and that contractor's employees perform all required tests of the operating systems of any motive power, cars and other equipment before and after movement. Contractor acknowledges receipt of railroad's applicable rules governing:

- 1) Operation and use of motive power, cars and other equipment, and
- 2) The movement of such motive power, cars and equipment by rail.

6. In live track operations, a distance of 20 feet from track must be maintained unless the contract necessitates working in close proximity to the track. When doing so, your employees and equipment must first have authorization of Union Pacific Railroad. When so authorized where work is in close proximity to tracks, a Union Pacific Railroad flagman must be present.

Your employees must be familiar with procedures to clear men and equipment from track area for approaching trains. In addition, the following safety procedures shall be adhered to by all of your employees:

- 1) Always be on the alert for moving equipment while working near any railroad tracks or facilities.
- 2) Do not step or walk on the top of the rail, frog, switches, guard rails or other track components.
- 3) In passing around ends of standing cars, engines, railroad machinery, and other ontrack equipment, leave at least one rail car length (50 feet) between yourself and the end of the equipment.
- 4) Avoid walking or standing on track at any time.
- 5) When it is necessary to walk or work on track, always keep a sharp lookout in both directions for approaching trains.
- 6) Before stepping or crossing tracks, look in both directions first. The same is true when walking around machinery and equipment on and about the tracks.
- 7) Do not sit on, lie under, or cross between cars except as required in performance of your duty, and only when track and equipment are under proper protection.
- 8) In multiple track territory, do not stand on one track while a train is passing on another.

City of
SACRAMENTO
Department of Utilities

Insurance/Bond Confirmation Form

Project Manager: Megan Thomas Project CIP#: Z14010062

Project Name: Curtis Park Water Main Replacement, Phase 2

Insurance Firm: Warren G. Bender, Co.

Insurance Agent: ~~None listed~~ Sarah Henderson Phone Number: 916/380-5300

CGL CO6405N968 W.C. UB-3E987184 Insured? Yes No

AU 8106405N968 State Firm _____

Bond Underwriting Firm: Travelers Casualty & Surety Bond Number: 106247067

Bond Firm By Contact Person: Monica A. Hutchison Phone Number: 916/380-5325

Attorney in Fact: Monica A. Hutchison Email: mhutchison@wgbender.com

Date Bond Issued: May 13, 2015

Firm Bond Issued to: Navajo Pipelines, Inc.

Amount of Bond: \$5,738,007.50 Bond Premium: \$50,137.00

Bond Valid?: Yes No

ATTACHMENTS:

License Verification <http://www.insurance.ca.gov/license-status/>

Surety Confirmation <https://interactive.web.insurance.ca.gov/companyprofile/companyprofile>

Submitted by: Amy Cooper Contract Services Date: 5/21/15

Reviewed by: [Signature] Supervising Engineer Date: 5/21/15

Acknowledged by: [Signature] Engineering Manager Date: 5/21/15

Amy Cooper

From: Monica Hutchison <mhutchison@wgbender.com>
Sent: Wednesday, May 20, 2015 3:48 PM
To: Amy Cooper
Subject: RE: Performance & Payment Bond #106247067-Verification Z14010062 Curtis Park Water Meter Replacement, Phase 2 (B15141321017)

Please see below....



Monica Hutchison
Bond Account Manager
Warren G. Bender Co.
License #0406967
(916)380-5325 (Direct Phone & Fax)

Like us on [Facebook](#) · Follow us on [Twitter](#) · Connect on [LinkedIn](#) · Check out our [Blog](#)

Our Mission: Providing protection, superior service and education to those who matter most, Our Customers.

 Please consider the environment before printing this e-mail.

E-MAIL CONFIDENTIALITY NOTICE: The contents of this e-mail message and any attachments are intended solely for the addressee(s) and may contain confidential information. If you are not the intended recipient of this message or if this message has been addressed to you in error, please immediately alert the sender by reply e-mail and then delete this message and any attachments. If you are not the intended recipient, you are notified that any use, dissemination, distribution, copying, or storage of this message or any attachment is strictly prohibited.

From: Amy Cooper [mailto:ACooper@cityofsacramento.org]
Sent: Wednesday, May 20, 2015 3:38 PM
To: Monica Hutchison
Cc: Renee Graves; Amy Cooper; Megan Thomas
Subject: Performance & Payment Bond #106247067-Verification Z14010062 Curtis Park Water Meter Replacement, Phase 2 (B15141321017)

Hi Monica,
Please confirm the issuance of performance and payment bond for the above referenced project by completing the following:

Principal: Navajo Pipelines, Inc.
Date of issuance: May 13, 2015
Amount of Bonds: \$5,738,007.50
Bond Premium: \$50,137
Authorized Attorney in Fact: Monica A. Hutchison
Surety: Travelers Casualty and Surety Company of America
Surety Underwriter: Andrae McClain
Underwriter Email/Phone (916) 852-5266
Obligee: City of Sacramento – Department of Utilities

Thank you in advance for your assistance and prompt response.

Amy Cooper
Engineering & Water Resources
Contract Services
(916) 808-8900

Agency License Details

The license status information shown below represents information taken from the California Department of Insurance (CDI) licensing database at the time of your inquiry. This information may not always be current. For example, items sent to the CDI may be pending review or simply may not have yet been entered into our licensing database. For instance, continuing education hours quoted may not reflect courses taken in the last 45 days. This database will reflect concluded disciplinary actions against licensees. Complaints and ongoing investigations are confidential and, therefore, not available.

Section 12938 (a) of the California Insurance Code, in part, requires the CDI to make all fully executed stipulations, orders, decisions, and settlements available to the public on its Web site. You can search for key documents regarding any enforcement action the department has filed against this licensee on the [Enforcement Action Documents Search Page](#). Please note [Enforcement Action Documents](#) (i.e. legal pleadings and orders generated during the enforcement action) are available on this Web site only for enforcement actions taken on or after July 1, 2001. If an enforcement action was taken prior to July 1, 2001, this Web site will only provide a summary description of the enforcement action. Documents relating to actions taken prior to July 1, 2001 may be obtained by submitting a written request to the CDI.

Glossary of Terms

Name: WARREN G. BENDER CO. License#: 0406967

License type: Casualty Broker-Agent	Status: Active	Status Date: 08/04/1970	Exp Date: 09/30/2016
License type: Life-Only	Status: Active	Status Date: 04/06/1976	Exp Date: 09/30/2016
License type: Property Broker-Agent	Status: Active	Status Date: 08/04/1970	Exp Date: 09/30/2016
License type: Accident and Health	Status: Active	Status Date: 04/06/1976	Exp Date: 09/30/2016
License type: Surplus Lines Broker	Status: Active	Status Date: 08/23/2010	Exp Date: 09/30/2016

Business Address: 516 GIBSON DRIVESUITE 240 ROSEVILLE, CA 95678

Bond Information

Bond Amount: \$10,000 Bond #: FX - 163799C
Surety Co: 25550 - INDEMNITY COMPANY OF CALIFORNIA

Bond Information

Bond Amount: \$50,000 Bond #: SL - 58658973
Surety Co: 13188 - WESTERN SURETY COMPANY



- Company Profile
- Company Search
- Company Search Results
- Company Information
- Old Company Names
- Agent for Service
- Reference Information
- NAIC Group List
- Lines of Business
- Workers' Compensation
- Complaint and Request for Action/Appeals
- Contact Information
- Financial Statements PDF's
- Annual Statements
- Quarterly Statements
- Company Complaint
- Company Performance & Comparison Data
- Company Enforcement Action
- Composite Complaints Studies
- Additional Info
- Find A Company Representative In Your Area
- View Financial Disclaimer

COMPANY PROFILE

Company Information

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA

**ONE TOWER SQUARE
HARTFORD, CT 06183**

Old Company Names

Effective Date

AETNA CASUALTY & SURETY COMPANY OF AMERICA 07/01/1997

Agent For Service

KARISSA LOWRY
C/O CORPORATION SERVICE COMPANY
2710 GATEWAY OAKS DRIVE, SUITE 150N
SACRAMENTO CA 95833

Reference Information

NAIC #:	31194
California Company ID #:	2444-8
Date Authorized in California:	07/31/1981
License Status:	UNLIMITED-NORMAL
Company Type:	Property & Casualty
State of Domicile:	CONNECTICUT

back to top

NAIC Group List

NAIC Group #: 3548 Travelers Grp

Lines Of Business

The company is authorized to transact business within these lines of insurance. For an explanation of any of these terms, please refer to the glossary.

- AIRCRAFT
- AUTOMOBILE
- BOILER AND MACHINERY
- BURGLARY
- COMMON CARRIER LIABILITY
- CREDIT
- DISABILITY
- FIRE
- LIABILITY
- MARINE
- MISCELLANEOUS
- PLATE GLASS
- SPRINKLER
- SURETY
- TEAM AND VEHICLE
- WORKERS' COMPENSATION

back to top

CITY OF SACRAMENTO

CHANGE ORDER

Contract # & Date: 2015-0879 06/16/15

Budget #:472011- 50000-6310-51000000-Z14010062

Purchase Order #: 0000029593

Change Order No: 1

Sacramento, California

December 3, 2015

TO: Navajo Pipelines, Inc., Contractor

CONTRACT FOR: Curtis Park Water Main Replacement, Phase 2

(B13141321017)

Upon mutual acceptance of this document by the City of Sacramento, hereinafter referred to as "CITY", and your firm, hereinafter referred to as "CONTRACTOR", in accordance with the terms and conditions of the original contract documents, you are hereby directed to make the following change or changes for the consideration set forth below:

Description: "See Exhibit A, attached and incorporated herein"

The original contract sum was:	\$ <u>5,738,007.50</u>
Net change by previous change orders:	\$ <u>0.00</u>
The contract sum prior to this change order was:	\$ <u>5,738,007.50</u>
The contract sum will be <u>increased</u> by this C.O:	\$ <u>111,700.00</u>
New contract sum including all Change Orders:	\$ <u>5,849,707.50</u>

CONTRACTOR agrees that the amount of increase or decrease in the contract sum specified in this change order shall constitute full compensation for the work required by this change order, including but not limited to all compensation for the additional and/or revised work specified herein, and shall fully compensate CONTRACTOR for any and all direct and indirect costs that may be incurred by CONTRACTOR in connection with such additional and/or revised work, including any changes, disruptions or delays in work schedules or in the performance or other work by CONTRACTOR. The time for performance of the Contract will be increased by twenty (20) days by reason of the performance of the work required by this Change Order. Except as herein above expressly provided, CONTRACTOR further agrees that the performance of the work specified in this Change Order or the rescheduling of other project work made necessary by this Change Order, shall not constitute a delay which will extend the time limit for completion of the work as said term is used in the Contract between CITY and CONTRACTOR for the project.

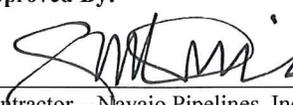
Approval Recommended By:


Project Manager – Megan Thomas
Date 12/3/15

Approved as to Form by:

Joe Robinson, Senior Deputy City Attorney

Approved By:


Contractor – Navajo Pipelines, Inc
Date 12/3/15

Approved By:

William O. Busath, Director, Department of Utilities

Approved By:

Shirley Concolino – City Clerk Date

**CITY OF SACRAMENTO
CHANGE ORDER
EXHIBIT A**

Contract # & Date: 2015-0879 06/16/15

Budget #:472011- 50000-6310-51000000-Z14010062

Purchase Order #: 0000029593

Change Order No: 1

- 1) Contractor shall install an additional 1,300-lf of 8” water main on Marshall Way for the contract price of \$79.50 per lf for a total of \$103,350.
(Database Code: Customer Requested Change) Total This Item: \$ 103,350.00

- 2) Contractor shall install an additional 6 - 8” gate valves associated with the additional water main installation on Marshall Way for the contract price of \$900.00 per each for a total of \$5,400.
(Database Code: Customer Requested Change) Total This Item: \$ 5,400.00

- 3) Contractor shall install an additional standard fire hydrant associated with the additional water main installation on Marshall Way for the contract price of \$2,950.00 per each for a total of \$2,950.
(Database Code: Customer Requested Change) Total This Item: \$ 2,950.00

Total This Change Order: \$ 111,700.00