Meeting Date: **6/9/2015**

Report Type: Consent

Report ID: 2015-00450

City of SACRAMENTO

11

City Council Report
915 I Street, 1st Floor
www.CityofSacramento.org

Title: Contract: East Sacramento Water Main Replacement Project Phase 2 (Z14010066) [Published for Review 05/28/2015]

Location: District 3

Recommendation: Pass a Motion 1) approving the contract plans and specifications for the East Sacramento Water Main Replacement Project Phase 2; and 2) awarding the contract to A. Teichert & Sons, Inc. in an amount not to exceed $11,435,747.

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

Presenter: None

Department: Department Of Utilities

Division: Engineering & Water Resources

Dept ID: 14001311

Attachments:

1-Description/Analysis

2-Background

3-Location Map

4-Contract Specifications

City Attorney Review

Approved as to Form
Joe Robinson
5/22/2015 4:17:17 PM

Approvals/Acknowledgements

Department Director or Designee: Bill Busath - 5/18/2015 2:45:57 PM

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Description/Analysis

Issue Detail: The proposed project will install water meters and replace water distribution and transmission mains that are at the end of their useful life. Approximately 46,000 lineal feet of water main and 1,396 meters will be placed as part of this project.

Policy Considerations: This action is in conformance with City Code Chapter 3.60 Articles I and III, which provide that the City Council may award competitively bid contracts to the lowest responsible bidder.

Economic Impacts: This project is expected to create 43.14 total jobs (24.81 direct jobs and 18.33 jobs through indirect and induced activities) and create $6,659,653 in total economic output ($4,197,630 of direct output and another $2,462,023 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 Manager has reviewed the proposed project and has determined that this project is exempt from the California Environmental Quality Act (CEQA), under CEQA Guidelines Section numbers 15302(c) and 15303. The project consists of the replacement of existing water main (utility systems) involving negligible expansion of capacity (CEQA Guidelines Section 15302(c)); and the installation of new water meters (equipment) (CEQA Guidelines Section 15303).

Sustainability: The project is consistent with the Sustainability Master Plan goals to help to improve water conservation awareness, by providing a monthly statement of water usage to the customers. The placement of water meters, where none previously existed, also furthers the City's progress in implementing the Water Forum Agreement and California Urban Water Conservation Council Best Management Practices (BMPs 1, 4, and 7).

Commission/Committee Action: Not Applicable

Rationale for Recommendation: After the plans and specifications were completed by Engineering Services, the project was formally advertised to solicit public bids. This project was advertised and five bids were received and opened on April 22, 2015. The bids are summarized below:

	Bidders	Bid Amount
1	A. Teichert & Son, dba Teichert Construction	$11,435,747
2	Marques Pipeline, Inc.	$11,493,646

	Bidders	Bid Amount
3	Preston Pipelines, Inc.	$12,529,460
4	T & S Construction Co., Inc.	$13,280,000
5	Florez Paving	$18,331,905

Teichert Construction was the low bidder, with a bid amount of $11,435,747. The engineer's estimate was $13,786,000.

Staff recommends award of the contract to the low bidder, A. Teichert & Son dba Teichert Construction, as the lowest responsive and responsible bidder.

Financial Considerations: The total estimated project cost including design, construction, City supplied materials, inspection, and contingency is $14,471,000. There is sufficient funding in Z14010066 (Water Revenue Bond Ser. 2013, Fund 6310) to award the contract and complete the project. This action has no impact on the General Fund.

Local Business Enterprise (LBE): The lowest responsible bidder, Teichert Construction, is a LBE.

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BACKGROUND

The proposed project will replace existing water distribution and transmission mains and install new water meters in the East Sacramento area as part of the City's Water Meter Retrofit Program.

The existing water distribution system within the project boundaries consists of cast iron mains located in residential backyards, alleys, and in street right of ways. The following criteria were researched and analyzed to determine if abandonment and replacement of water mains was necessary as part of this project: easements, flow capacity of existing water mains, leak history, and encroachments over existing water facilities. Based on the analysis, all backyard water mains in the project area will be replaced and approximately 12,000 lineal feet of main in existing streets and alleys will also be replaced with this project.

There were multiple catastrophic pipe failures on 16" and 20" transmission mains located in McKinley Boulevard and D Street. The project abandons those mains and constructs a new 30" transmission main in H Street to replace the capacity from the 16" and 20" mains.

The project consists of the following:

- Abandon existing residential backyard water mains and street right of way mains.
- Construct approximately 7,000 lineal feet of new water transmission mains within H Street.
- Construct approximately 39,000 lineal feet of new water distribution mains within the public right of way.
- Install new fire hydrants to meet current fire safety standards.
- Construct 1,396 new residential water services with water meters.
- Place meters behind the sidewalk where existing easements or street right-of-ways exist.

The Department of Utilities will distribute an informational letter or postcard containing pertinent project information and contact numbers to provide residents within the area notice of the project and an opportunity to express any concerns regarding the project. The outreach plan also includes:

- Preconstruction project signs.
- Informational door hangers provided by the Contractor at project milestones, including 7 day and 24 hour notices for work performed on private property.
- Water conservation packet following the water meter installation.

EAST SACRAMENTO WATER DISTRIBUTION AND TRANSMISSION MAIN REPLACEMENT PROJECT - PHASE 2
(PN:Z14010066)

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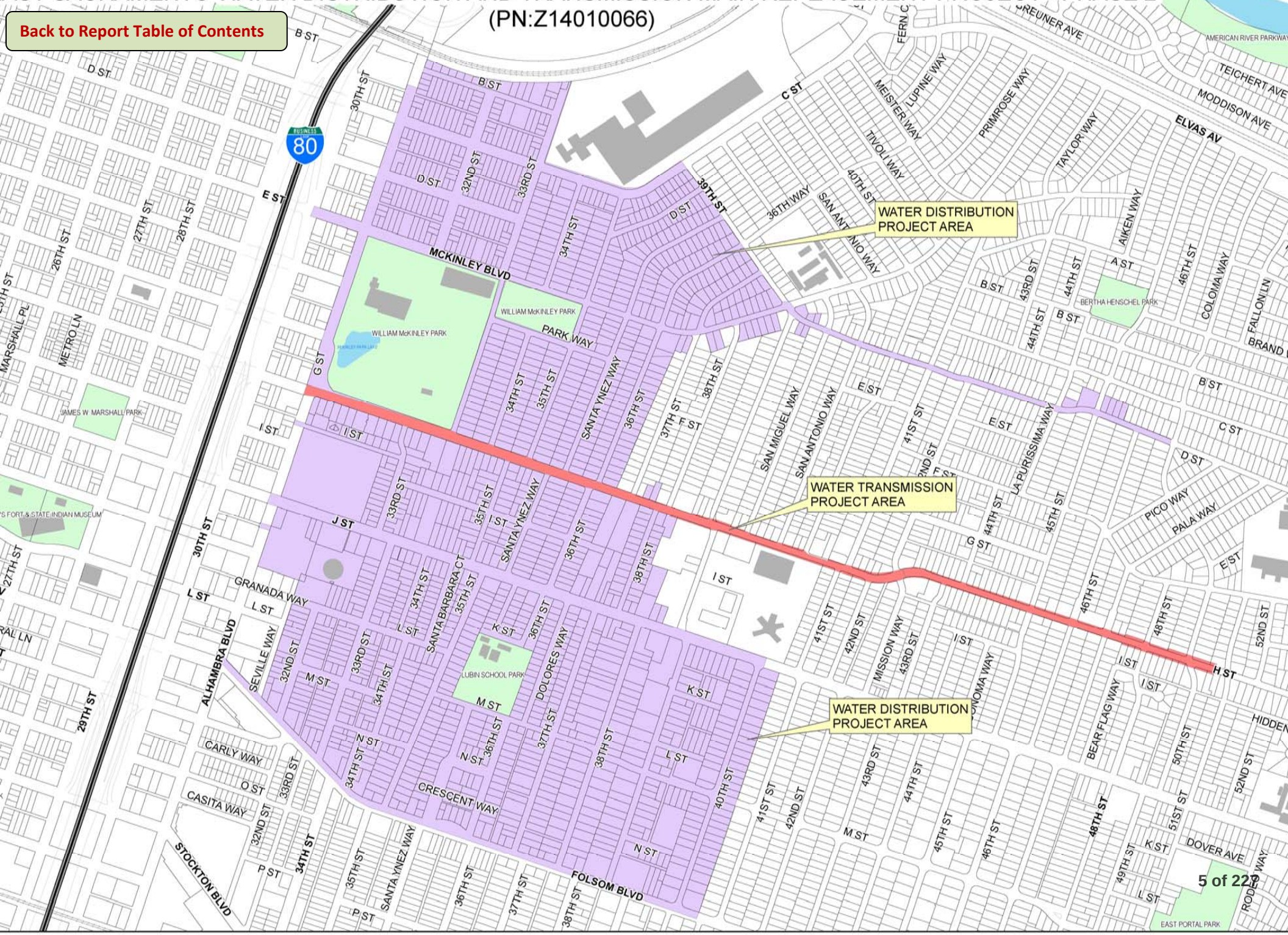

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City of SACRAMENTO
Department of Utilities

ENGINEERING SERVICES DIVISON

CONTRACT SPECIFICATIONS
FOR

EAST SACRAMENTO WATER MAIN REPLACEMENT PROJECT PHASE 2 (REBID)

PN: Z14010066

B15141321011

Engineer's Estimate: 13,786,000.00

For Pre-Bid Information Call:	Separate Plans
Rosa Millino Associate Engineer (916) 808-1451	Bid to be received before 2:00 PM **April 22, 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

City of
SACRAMENTO
Department of Utilities

ENGINEERING SERVICES DIVISION

1395 35th AVENUE
SACRAMENTO, CA
95822-2911

PH 916-808-1400
FAX 916-808-1497/1498

East Sacramento Water Main Replacement Phase 2 (PN: Z14010066)

ADDENDUM #01

April 15, 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, Rosa Millino at (916) 808-1451.

Sincerely,

Michelle Carrey, Interim Supervising Engineer

Addendum
Enclosure

cc: Distribution List
Planholders

EAST SACRAMENTO WATER MAIN REPLACEMENT PHASE 2 (PN:Z14010066)

Item No 1. SPECIFICATIONS

1. Section 1.05 - Definitions

   Replace the definitions for "Locate" and "Verify" with the following:

   "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).

2. Section 1.06 - Shop Drawings and Submittals

   Add the following to the list of submittals:

   Trench Sheeting, Shoring, and Bracing Plan

3. Section 1.23 - Time of Award

   Replace the entire section with the following:

   The Contractor shall furnish to the City the signed agreement, required insurance certificates, endorsements, waivers of subrogation, and the required surety bonds within ten 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.

4. Section 1.24 Contractor Identification

   Replace the entire section with the following:

   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.

5. Section 3.10 - Water Meters

- Page 25, first paragraph, remove reference to "Section 3.17" and replace it with "this section"

- Pages 27, third paragraph, remove entire paragraph titled Endpoints.

6. Section 3.12 - Contractor Receipt of City Supplied Materials

- Replace first sentence in first paragraph 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.

- Add the following sentence to the end of the first paragraph:

  Contractor is responsible for any damaged or unreturned endpoints and shall be charged the City of Sacramento current endpoint contract price.

7. Section 3.13- Meter Boxes and Lids

- Second paragraph, last sentence and fifth paragraph, first sentence, remove the words "and lid lock."

- Replace eighth paragraph with the following:

  Contractor shall install City supplied endpoints through the meter box lids. No lids shall have a reading lid.

- Page 34, replace entire paragraph on Meter Boxes for 3" and Larger Meters with the following:

  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).

8. <u>Section 3.14 Contractor Source Documents for Monthly billing</u>

- Page 35, add the following to the list under the heading "The contractor shall record the following on the electronic spreadsheet:"

  Badger Orion Fixed Network (SE) endpoint serial number (via Barcode only, no manual input)

- Page 35, last paragraph/Note: delete the word "MIU" and replace it with the following:

  Badger Orion Fixed Network (SE) endpoints.

9. <u>Add new section: Section 3.23 – Endpoints</u>

   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.

10. <u>Bid Items Nos. 20-41</u>

- Remove all reference to "City furnished lid locks or pre-installed endpoints" and add the following sentence:

The City will furnish, and the Contractor shall install, meters 3" and larger and Badger ORION Fixed Network (SE) endpoints.

11. Bid Items Nos. 20-33 (except Bid Item No. 25) 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.

12. Bid Item No. 47 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.

13. Bid Item No. 49 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.

14. Appendix

- Add Appendix I - Contractor Photo Identification Badge to the table of contents and insert the attached Photo Identification Example.

- Modify Appendix B- Notification Letters for installing new water services and meters, and retrofits as follows:

  Insert the following paragraphs before the last paragraph in each letter:

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.

Item No. 2 FRONT END DOCUMENTS

SEALED PROPOSAL

Replace the following language from the sealed proposal, first paragraph after the bid items table: "If awarded the contract, the undersigned shall execute said contract and furnish the necessary bonds within ten (10) days after the notice of award of said contract and begin work within fifteen (15) days after the signing of the contract by the Contractor and the City or the Notice to Proceed has been prepared, whichever is applicable." with the following: "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."

This addendum is issued in conformance with the original plans and specifications. Unchanged portions of the plans and special provisions remain in effect.

Min: 2-1/8" Max: 4"

Min: 3-3/8" Max: 6"

PHOTO

CONTRACTOR NAME

CONTRACTOR FOR

WATER METER PROGRAM

CITY OF SACRAMENTO

DEPARTMENT OF UTILITIES

EMPLOYEE NAME: JOHN DOE

EXPIRATION DATE: xx/xx/xxxx

ID must be laminated and shall be worn by all Contractor employees at all times during construction

EAST SACRAMENTO WATER MAIN REPLACEMENT PROJECT PHASE 2 (REBID)

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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 **April 22, 2015** and opened at and read after 2:00 p.m. on **April 22, 2015**, or as soon thereafter as business allows, in the Hearing Room, 2nd Floor Room, in Historic City Hall, for construction of:

EAST SACRAMENTO WATER MAIN REPLACEMENT PROJECT PHASE 2 (REBID)
(PN: Z14010066) (B15141321011)

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
EAST SACRAMENTO WATER MAIN REPLACEMENT PROJECT PHASE 2 (REBID)
(PN: Z14010066) (B15141321011)

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:

Rosa Millino, Department of Utilities, Engineering & Water Resource Division
1395 35th Avenue, Sacramento, CA 95822
Phone: (916) 808-1451 / Fax: (916) 808-1497/Email: RMillino@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.

<u>Essentials of Public Works Enforcement Fund</u>:

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: A. Teichert & Son, Inc. dba Teichert Construction
(Please print)

CITY OF SACRAMENTO

SEALED PROPOSAL

(MUST BE SIGNED BY BIDDER)

The Sealed Proposal will be received not later than **April 22, 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 **April 22, 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

EAST SACRAMENTO WATER MAIN REPLACEMENT PROJECT PHASE 2 (REBID)
(PN: Z14010066) (B15141321011)

in the City and County of Sacramento, California.

TOTAL BID: Eleven million four hundred thirty-five thousand seven hundred forty-seven dollars and zero cents. ($11,435,747.00).

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	1	LS	$13,000.00	$13,000.00
2	Mobilization	1	LS	$168,000.00	$168,000.00
3	4-Inch Water Service to Transfer	6	EA	$4,500.00	$27,000.00
4	6-Inch Water Service/Hydrant Lead to Transfer	4	EA	$15,000.00	$60,000.00
5	8-Inch Water Service/Hydrant Lead to Transfer	2	EA	$16,700.00	$33,400.00
6	Install and Reconnect Existing City Water Meter (2" and smaller)	139	EA	$750.00	$104,250.00
7	6-Inch Diameter Water Main to furnish and Install	956	LF	$96.00	$91,776.00
8	8-Inch Diameter Water Main to furnish and Install	24402	LF	$100.00	$2,440,200.00
9	12-Inch Diameter Water Main to furnish and Install	9040	LF	$150.00	$1,356,000.00
10	Ductile Iron Pipe Only, 8-Inch Diameter Water Main to Furnish and Install	4,565	LF	$125.00	$570,625.00
11	4-Inch Diameter Gate Valve to Furnish and Install	10	EA	$1,100.00	$11,000.00
12	6-Inch Diameter Gate Valve to Furnish and Install	20	EA	$1,200.00	$24,000.00

A. Teichert & Son Inc.
dba Teichert Construction

Item No.	Description	Estimated Quantity	Unit	Unit Price	Total
13	8-Inch Diameter Gate Valve to Furnish and Install	166	EA	$1,600.00	$265,600.00
14	12-Inch Diameter Gate Valve to Furnish and Install	28	EA	$2,500.00	$70,000.00
15	2-Inch Diameter Blow-off to Furnish and Install	4	EA	$1,700.00	$6,800.00
16	6-Inch Diameter Blow-off to Furnish and Install	18	EA	$6,200.00	$111,600.00
17	8-Inch Standard Fire Hydrant to Furnish and Install	54	EA	$3,200.00	$172,800.00
18	Existing Fire Hydrant Removal	37	EA	$750.00	$27,750.00
19	2-Inch and Smaller Substandard Water Service	200	EA	$775.00	$155,000.00
20	1-Inch Water Service (main to existing service)	222	EA	$1,500.00	$333,000.00
21	1 1/2-Inch Water Service (main to existing service)	20	EA	$2,400.00	$48,000.00
22	2-Inch Water Service (main to existing service)	6	EA	$3,000.00	$18,000.00
23	4-Inch Water Service (main to existing service)	4	EA	$7,100.00	$28,400.00
24	6-Inch Water Service (main to existing service)	2	EA	$15,000.00	$30,000.00
25	1-Inch Meters to Furnish and Install in Existing Meter Box	13	EA	$250.00	$3,250.00
26	Hybrid Water Service w/Meter Box to Furnish and Install (Main to Front/Side Hosebib)	103	EA	$2,500.00	$257,500.00
27	Hybrid Water Service w/Meter Box to Furnish and Install (Main to Rear Property)	308	EA	$3,050.00	$939,400.00
28	1 1/2-Inch Water Service w/Meter Box to Furnish and Install (Main to Rear Property)	92	EA	$3,600.00	$331,200.00
29	2-Inch Water Service w/Meter Box to Furnish and Install (Main to Rear Property)	26	EA	$4,650.00	$120,900.00
30	Meter Retrofit of 1-Inch Water Services	586	EA	$970.00	$568,420.00
31	Meter Retrofit of 1 1/2-inch Water Services	24	EA	$1,400.00	$33,600.00
32	Meter Retrofit of 2-Inch Water Services	4	EA	$2,100.00	$8,400.00
33	Meter Retrofit of 6-Inch Water Services	1	EA	$10,800.00	$10,800.00
34	2-Inch Water Service w/Meter Box & Meter w/three 1" water service connections (3663-3667 J St)	1	EA	$8,100.00	$8,100.00
35	2-Inch Water Service w/Meter Box & Relocate Existing RP & Meter (3701 J St)	1	EA	$8,400.00	$8,400.00
36	2-Inch Water Service w/Meter Box and Meter & Relocate Existing RP (3610 I St)	1	EA	$7,900.00	$7,900.00
37	2-Inch Water Service w/Meter Box & Relocate Existing Meter (3600 J St, 3349 J St)	1	EA	$4,400.00	$4,400.00
38	1 1/2-Inch Water Service w/Meter Box & Relocate Existing RP & Meter (3655 J St)	1	EA	$11,000.00	$11,000.00
39	Hybrid Water Service w/Meter Box to Furnish and Install & Relocate existing RP & Meter	1	EA	$7,000.00	$7,000.00
40	4-Inch Water Service & Relocate Existing RP & Meter	2	EA	$9,700.00	$19,400.00
41	4-Inch by 2-Inch Water Service to Furnish and Install (1100 39th Street)	1	EA	$6,700.00	$6,700.00

A. Teichert & Son Inc.
dba Teichert Construction

Item No.	Description	Estimated Quantity	Unit	Unit Price	Total
42	Additional 2-inch and Smaller Water Pipe to furnish and Install	1000	LF	$ 7.00	$ 7,000.00
43	Connection to Existing Water Distribution system	25	EA	$ 4,500.00	$ 112,500.00
44	Water Service to Abandon	665	EA	$ 170.00	$ 113,050.00
45	1 1/2-Inch Schedule 40 PVC Pipe to Furnish and Install	1000	LF	$ 13.00	$ 13,000.00
46	Mains to Cap	10	EA	$ 1,900.00	$ 19,000.00
47	Existing Valves, Tees, Saddles & Water Mains to Remove or Abandon	1	LS	$ 162,000.00	$ 162,000.00
48	Water Quality to Provide	1	LS	$ 11,000.00	$ 11,000.00
49	Concrete to Remove and Replace	15000	SF	$ 12.00	$ 180,000.00
50	Asphalt Concrete to Remove and Replace	2300	SF	$ 7.50	$ 17,250.00
51	Unsuitable Material to Remove and Replace	500	TON	$ 26.00	$ 13,000.00
52	Potholes	30	EA	$ 425.00	$ 12,750.00
53	30-Inch Diameter Water Transmission Main to Furnish and Install	6810	LF	$ 240.00	$ 1,634,400.00
54	Abandon Existing 6-inch Diameter Cast Iron Pipe	80	LF	$ 50.00	$ 4,000.00
55	Cap Existing Water pipes and Abandon Existing 16 inch Diameter Cast Iron Water Pipe	2626	LF	$ 19.00	$ 49,894.00
56	Cap Existing Water pipes and Abandon Existing 20 inch Diameter Cast Iron Water Pipe	7024	LF	$ 23.00	$ 161,552.00
57	Cap Existing Water pipes and Abandon Existing 24 inch Diameter Welded Steel Water Pipe	915	LF	$ 32.00	$ 29,280.00
58	24" Diameter Butterfly Valve to Furnish and Install	1	EA	$ 21,000.00	$ 21,000.00
59	30" Diameter Butterfly Valve to Furnish and Install	4	EA	$ 31,000.00	$ 124,000.00
60	2-inch Air Vacuum and Release Valve with Enclosure to Furnish and Install	19	EA	$ 6,500.00	$ 123,500.00
61	Access Manhole to Furnish and Install	2	EA	$ 11,000.00	$ 22,000.00
62	Corrosion Monitoring System to Furnish and Install	1	LS	$ 12,000.00	$ 12,000.00
63	Trench Sheeting, Shoring and Bracing to Furnish and Install	1	LS	$ 21,000.00	$ 21,000.00
64	Replace Traffic Signal Detector Loops	10	EA	$ 3,000.00	$ 30,000.00
65	Connection to Existing Transmission Main Water System	1	LS	$ 30,000.00	$ 30,000.00

TOTAL BID: $ 11,435,747.00

A. Teichert & Son Inc.
dba Teichert Construction

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 two hundred forty (240) 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 ($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.

√ ***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 (installed and operable).***

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:

Completion of 29,000 linear feet of distribution main and associated water services per phasing plan in Special Provisions, and all transmission main work-bid items 53, 55-62, & 65(installed & operable)

Milestone Date: ***Feb. 15, 2016***

The above milestone date is a fixed date, and shall not be extended for any reason, except that the City may agree to extend the milestone date if critical path Work is delayed by bad weather or unforeseen conditions, if, and only to the extent that, the cumulative period of such delay after the Notice to Proceed is issued and prior to the milestone date is more than 15 working days. Contractor is responsible for having sufficient staff and equipment needed to meet this milestone.

CONTRACTOR'S ACKNOWLEDGMENT: RC *(initial here)*

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.

A. Teichert & Son Inc.
dba Teichert Construction

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. In addition, the contractor shall provide documentation for a minimum of one project that would equal the placement of 1,000 feet of water transmission main (pipe greater than 18" diameter) 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.

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

- ☐ Bid Bond
- ☐ Cashier/Certified Check
- ☐ Other_____

Reviewer's Initials: _____

CONTRACTOR

Addendum No. 1 _____ _____

Addendum No. 2 _____ By:_____
(Signature)

Addendum No. 3 _____ Title:_____

Addendum No. 4 _____ Address:_____
No PO Box – Physical Address ONLY

_____
City STATE ZIIP Code

Telephone No. _____

Fax No. _____

Email _____

(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.

_____

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

Expiration date _____. Representation made herein are true and correct under penalty or perjury

PN: Z14010066 (B15141321011)

KNOW ALL MEN BY THESE PRESENTS,

That we, _____

as Principal, and _____

a corporation duly organized under the laws of the State of _____and duly licensed to become sole surety on bonds required or authorized by the State of California, as Surety, are held and firmly bound unto the City of Sacramento, hereinafter called the City, in the penal sum of ten percent (10%) of the (BASE OR LUMP SUM) Proposal of the Principal above named, or other amount as set forth in the Invitation to Bidders, submitted by said Principal to the City for the Work described below, for the payment of which sum in lawful money of the United States, well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH

That whereas the Principal has submitted the above mentioned proposal to the City, for which Proposals are to be opened by the Office of the City Clerk, Historic City Hall, Hearing Room, 2nd Floor, 915 I Street, Sacramento, California, on **April 22, 2015**, for the Work specifically described as follows:

EAST SACRAMENTO WATER MAIN REPLACEMENT PROJECT PHASE 2 (REBID)
(PN: Z14010066) (B15141321011)

NOW, THEREFORE, if the aforesaid Principal is award the Agreement and within the time and manner required under the Contract Documents, enters into a written Agreement, in the prescribed form, in accordance with the Proposal, and files two (2) bonds with the City, one to guarantee faithful performance and the other to guarantee payment for labor and materials, and files the required insurance policies with the City, all as required by the Contract Documents or by law, then the obligation shall be null and void; otherwise it shall be and remain in full force and effect.

In the event suit is brought upon this bond by the Obligee and judgment is recovered, the Surety shall pay all costs incurred by the Obligee in such suit, including a reasonable attorney's fee to be fixed by the court, which sums shall be additional to the principal amount of this bond.

IN WITNESS THEREOF, We have hereunto set our hands and seal this _____day of _____, 2015.

_____
PRINCIPAL Seal

By: _____

_____
Title

_____
SURETY Seal

By _____

_____
Title

_____
Agent Name and Address

_____

_____
Agent Phone #

_____
Surety Phone #

_____
California License #

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		**Date**	
Prime Contractor Address		**Bid Amount**	$
(REQUIRED) Prime Contractor DIR Registration #		**Is Prime LBE?**	Yes No

Business Name		**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**
License Number					
Address			Yes		$
City, State, Zip			No		
Contact Person					
Phone					
Business Name		**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**
License Number					
Address			Yes		$
City, State, Zip			No		
Contact Person					
Phone					
Business Name		**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**
License Number					
Address			Yes		$
City, State, Zip			No		
Contact Person					
Phone					

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:

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:

_____

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:_____

BY:_____Date:_____

Signature Title

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:

   _____

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 <u>either</u> 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) x 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 _____, on _____.
(Location) (Date)

Signature: _____

Print name: _____

Title: _____

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

_____
Name of Contractor

_____
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.

_____ _____

Signature of Authorized Representative Date

_____

Print Name

_____

Title

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 . . .

- 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 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.

Construction and Demolition (C&D) Debris Recycling Requirements

As a condition of receiving this Contract, Contractor agrees to fully comply with the requirements specified herein for all demolition projects, as well as projects with a valuation of $250,000 or more:

1. **Definitions**. For purposes of this section, the following terms, words and phrases shall have the following meanings:

"Certified C&D sorting facility" means a facility that receives C&D debris and/or processes C&D debris into its component material types for reuse, recycling, and disposal of residuals and possesses a valid certificate as a C&D sorting facility from the Sacramento Regional County Solid Waste Authority.

"Construction and demolition debris" or "C&D debris" means used or commonly discarded materials resulting from construction, repair, remodel or demolition operations on any pavement, house, building, or other structure, or from landscaping that are not hazardous as defined in California Health and Safety Code section 25100 et seq. Such materials include, but are not limited to, concrete, asphalt, wood, metal, brick, dirt, sand, rock, gravel, plaster, glass, gypsum wallboard, cardboard and other associated packaging, roofing material, ceramic tile, carpeting, masonry, plastic pipe, trees, and other vegetative matter resulting from land clearing and landscaping.

"Divert" or "diversion" means to use materials for any purpose other than disposal in a landfill or transformation facility. Methods to divert materials include on-site reuse of the materials, delivery of materials from the project site to a certified C&D sorting facility or a recycling facility, or other methods as approved in regulations promulgated by the City Department of Utilities.

"Franchised waste hauler" means a person who possesses a valid commercial solid waste collection franchise issued by the Sacramento Regional County Solid Waste Authority.

"Mixed C&D debris" means loads that include commingled recyclable and non-recyclable C&D debris generated at a project site.

"Recyclable C&D debris" means C&D debris required to be diverted from landfills as specified in the Waste Management Plan and returned to the economic mainstream in the form of raw material for new, reused or reconstituted products that meet the quality standards necessary to be used in the marketplace.

"Recycling facility" means a facility or operation that receives, processes, and transfers source-separated recyclable materials.

"Source-separated C&D debris" means recyclable C&D debris that is separately sorted and containerized at the site of generation by individual material type and segregated from mixed C&D debris prior to collection and transporting.

"Waste log" means a record detailing the management of C&D debris generated by the covered project, including the date and weight/volume of material by type that was salvaged, reused, recycled or disposed.

2. **Waste Management Plan**. A completed WMP (see **Attachment 1**) must be submitted to and approved by the City prior to commencing any work on the project. The WMP must specify the types of C&D debris that will be generated from the project; the manner in which C&D debris will be managed and/or stored on the project site; the manner in which recyclable C&D debris generated from the project will be recycled or reuse; the person who will haul, collect or transport the recyclable C&D debris from the project site; and the certified C&D sorting facility or recycling facility where recyclable C&D debris will be delivered. The WMP must be approved by the City prior to commencing any work on the project.

3. Contractor shall be solely responsible for diverting the recyclable C&D materials specified on the WMP. Mixed C&D debris shall be delivered to a SWA-certified C&D sorting facility only. Only the permit holder, the person who generates the waste, a franchised waste hauler, or the City of Sacramento can transport or haul mixed C&D debris. Source-separated C&D debris may be delivered by any person to any recycling facility that accepts such materials. (See **Attachment 2** for list of C&D Debris Haulers and Facilities).

4. During the course of the project, Contractor shall maintain a waste log (see **Attachment 3**), and keep all weight tickets or weight receipts, for all C&D debris hauled away from the project. At a minimum, the waste log shall specify the C&D debris generated by the project; the manner in which C&D debris was recycled or re-used; and the facility where the C&D debris was delivered.

5. Within 30 days after submitting the project completion report, Contractor shall submit to the City a completed waste log, along with copies of supporting weight tickets. Contractor shall maintain and keep accurate and complete records of al bills, weight receipts or weight tickets that were issued for the collection, transport or disposal of C&D debris for a period of one-year after submittal of the waste log. The records shall be made available for inspection, examination and audit by the City during the one-year retention period to validate the information provided in the WMP and in the waste log. If the City determines noncompliance by the Contractor after an audit has been conducted, Contractor shall reimburse the City for all costs incurred in performing the audit.

6. Failure by Contractor to comply with any provisions specified herein will subject Contractor to possible suspension and/or termination of this Contract for cause; repayment of any or all of the Contract amount disbursed by the City; imposition of a penalty, payable to the City ($50-$250 for first offense, $251-$500 for second offense, and $501-$1500 for subsequent offenses); and/or submission of a performance security deposit fee when submitting a permit application to the City for a project within one year of imposition of the penalty.

For questions or to obtain more information about the Recycling Requirements for C&D debris, contact the City of Sacramento, Solid Waste Services Division, 2812 Meadowview Road, Building 1, Sacramento, CA 95832, or telephone (916) 808-4833, or email C&D@cityofsacramento.org

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:	
	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: _____ Engineering Estimate: _____
Contractor: _____ Phone: _____
Address: _____ Email: _____

B. Briefly describe the project:

_____

_____

_____

_____

_____

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.

1. **How will C&D debris will be stored on the project site**: _____ Mixed C&D _____ Source-Separated
2. **Company to haul away debris**: _____
3. **Facilities to receive debris**: _____

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

E. Definitions.

Please read and understand these terms. Call Solid Waste at (916) 808-4833 if these terms are not clear to you. More information is also available online at http://www.cityofsacramento.org/utilities/.

1. **Self-haul or self-hauling**: This is when the general contractor or a subcontractor *who is doing work on the project* hauls their own waste materials for recycling or disposal. Note that a *jobsite cleanup crew is not doing other work on the project and is not self-hauling*. Jobsite cleanup crews need to be franchised in order to haul mixed C&D debris away.

2. **Franchised hauler**: Check the Department of Utilities (DOU) website for a list of these haulers. Only these companies and the City of Sacramento can collect and haul mixed C&D debris generated within the City for a fee.

3. **Source separation**: This means keeping wood, metal, cardboard, or other recyclables in separate containers, and sending the materials to an authorized recycler. A list of authorized recyclers can be found on the DOU web site. Source-separated materials may be hauled by anyone.

4. **Mixed C&D debris**: This means putting all recyclable debris into one container. Mixed materials must be sent to a certified mixed C&D sorting facility. Mixed materials may be either self-hauled or hauled by a franchised hauler. If your job site is crowded, this option saves the most space.

5. **Certified Mixed C&D Sorting Facility**: See the DOU web site for a list. These facilities have been certified by the Sacramento Regional Solid Waste Authority (SWA) to extract recyclable materials from mixed C&D debris.

F. Terms and Conditions

- Your approved Waste Management Plan and Waste Log must be kept on the job site for the duration of the project.
- City of Sacramento Solid Waste Services staff may enter the jobsite to inspect waste collection areas.
- **ALL** Clean Wood Waste (unpainted, untreated lumber, plywood and OSB), Inert Materials (concrete, asphalt paving, brick, block, and dirt), Wooden Pallets, Scrap Metal, and Corrugated Cardboard must be recycled.
- Only SWA-Certified Mixed C&D Sorting Facilities may be used to recycle these materials if mixed with other materials.
- Only the City of Sacramento, SWA-Franchised Haulers, or self-haulers (as defined above) may collect and transport mixed C&D material from the jobsite.
- C&D Debris may not be burned or dumped illegally.
- Your Waste Log must be completed and submitted, with supporting weight tickets, within 30 days of submitting your project completion report. All waste hauling and disposal or recycling activity must be entered on the Waste Log, including information from any subcontractors who self-hauled their own debris off-site.
- You must keep all receipts or weight-tickets from your project for a period of one year from the submittal of your waste log.
- Failure to comply with these terms and conditions may result in a fine and payment of a security deposit on future projects

C&D Debris Haulers & Facilities

C&D Debris Waste Management Plan
City of Sacramento Solid Waste Services
2812 Meadowview Road, Building 1
Sacramento, CA 95832
Phone: (916) 808-4833 / Fax: (916) 808-4999
C&D@cityofsacramento.org

Certified Mixed C&D Facilities

Allied Waste / Elder Creek Transfer and Recovery	(916) 387-8425
Florin-Perkins Public Disposal	(916) 443-5120
L&D Landfill	(916) 737-8640
Waste Management / K&M Recycle America	(916) 452-0142

Franchised Haulers

ACES Waste Services, Inc.	(866) 488-8837	Elk Grove Waste Management, LLC	(916) 689-4052
Allied Waste Services	(916) 631-0600	Mini Drops, Inc.	(916) 686-8785
All Waste Systems, Inc.	(916) 456-1555	Norcal Waste Services of Sacramento	(916) 381-5300
Atlas Disposal Industries, LLC	(916) 455-2800	North West Recyclers	(916) 686-8575
California Waste Recovery Systems	(916) 441-1985	Waste Management of Sacramento	(916) 387-1400
Central Valley Waste Services, Inc.	(209) 369-8274	Waste Removal & Recycling	(916) 453-1400
City of Sacramento Solid Waste	(916) 808-4839	Western Strategic Materials, Inc.	(916) 388-1076

Recyclers*

Bell Marine	(916) 442-9089
C & C Paper Recycling	(916) 920-2673
EBI Aggregates	(916) 372-7580
International Paper	(916) 371-4634
Modern Waste Solutions	(916) 447-6800
PRIDE Industries, Inc.	(916) 640-1300
Recycling Industries, Inc.	(916) 452-3961
Sacramento Local Conservation Corps	(916) 386-8394
Smurfit-Stone Container Corporation	(916) 381-3340
Southside Art Center	(916) 387-8080
Spencer Building Maintenance, Inc.	(916) 922-1900

Recovery Stations & Landfills

Elder Creek Recovery & Transfer Station	(916) 387-8425
Kiefer Landfill	(916) 875-5555
L & D Landfill	(916) 383-9420
North Area Recovery Station	(916) 875-5555
Sacramento Recycling & Transfer Station	(916) 379-0500
Waste Management Recycle America	(916) 452-0142

More updated information can be found online at:
http://www.cityofsacramento.org/utilities/

* Please note that any facility may receive source-separated recyclable materials as long as it is authorized to do so by the State of California. This is not meant to be a complete list.

C&D Debris Waste Log

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

Project address: _____

This waste log, and copies of supporting weight tickets, must be submitted to Solid Waste within 30 days of submitting the project completion report. The waste log and weight tickets must also be kept on file for one year after project completion.

Date	Hauler	Material	Destination	Amount

Hauler: Indicate the Franchisee, Self-Hauler, City of Sacramento, or other hauler who removed the material offsite.
Material: Indicate appropriate category: Scrap Metal, Inert Materials, Cardboard, Wooden Pallets, or Clean Wood Waste.
Destination: Indicate the facility that received the material for disposal or recycling
Amount: Indicate the weight. If weight is not known, put volume.

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Green Contracting Survey
(Voluntary)

The City of Sacramento and the Sacramento Metropolitan Air Quality District (SMAQMD) are conducting a joint pilot project to help meet Federal Clean Air Standards for the Sacramento region.

Attached is a Green Contracting Fleet Inventory Form. Please complete the form, remove it from the bid package and return it to SMAQMD in the postage paid envelope provided with the bid package. Please do not return the Green Contracting Fleet Inventory Form to the City of Sacramento with the bid documents or otherwise.

A limited amount of funds and other financial incentives may be available to qualified contractors participating in this joint project to assist qualified contractors with upgrading and/or replacing equipment and/or trucks.

Completing and returning the Green Contracting Fleet Inventory Form is strictly voluntary

Voluntary Green Contracting Fleet Inventory List (On-Road Equipment)

In partnership with the City of Sacramento and the Sacramento Metropolitan Air Quality Management District

Company Name:	
Contact Name:	
Company Address:	
City, State, ZIP:	
Company Phone:	

	City Bid Information
Department	
Project #	
LBE	

Instructions:

a) Please enter the vehicle / equipment information for each unit used in conjunction with your City of Sacramento Bid.
b) All fields are required for both on-road heavy-duty vehicles and off-road construction equipment over 50 HP.
c) Electronic version available at http://www.airquality.org/ceqa/index.shtml
d) For additional questions, please call (916) 874-4892

Please Submit To:

Kristian Damkier, P.E.
Sacramento Metropolitan AQMD
777 12th St, 3rd Floor
Sacramento, CA 95814-1908

#	VIN	License Plate	Vehicle Information			Engine Information				Annual Usage (miles)	Received Funding
			Make	Model	Year	Make	Model	Year	HP		
(ex)	*1XP5AAC35RG339402*	*1T45678*	*Kenworth*	*T-300*	*2002*	*Cummins*	*ISB*	*2002*	*250*	*35,000*	*No*

Voluntary Green Contracting Fleet Inventory List (On-Road Equipment)

In partnership with the City of Sacramento and the Sacramento Metropolitan Air Quality Management District

Company Name:	
Contact Name:	
Company Address:	
City, State, ZIP:	
Company Phone:	

	City Bid Information
Department	
Project #	
LBE	

Instructions:

a) Please enter the vehicle / equipment information for each unit used in conjunction with your City of Sacramento Bid.
b) All fields are required for both on-road heavy-duty vehicles and off-road construction equipment over 50 HP.
c) Electronic version is available at http://www.airquality.org/ceqa/index.shtml
d) For additional questions, please call (916) 874-4892

Please Submit To:

Kristian Damkier, P.E.
Sacramento Metropolitan AQMD
777 12th St, 3rd Floor
Sacramento, CA 95814-1908

Equipment Serial Number	Equipment Information				Engine Information				Annual Usage (hours)
	Make	Model	Type	Year	Make	Model	Year	HP	
48W34456	*Caterpillar*	*631G*	*Scraper*	*2003*	*Caterpillar*	*3408E*	*2003*	*485*	*1,600*

Place Holder

For Local Business Enterprises (LBE) **Participation Requirements** for Public Projects of $100,000 or More

Note: see Economic Development Page for most current. These are the informational pages.

Place Holder

For **Subcontractor** and Local Business Enterprises (LBE) **Participation Verification** Form

Note: see Economic Development Page for most current.

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.

A. Teichert & Son, Inc., dba Teichert Construction
Bidder

BY: x
A. Ed Herrnberger

Title: Director, Private Procurement

Address: P.O. Box 1890

Davis, CA 95617-1890

Date: 4-30-2015

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 2, 2015 is made and entered into between the CITY OF SACRAMENTO, a municipal corporation ("City"), and **A. Teichert & Son Inc., dba Teichert Construction, 24207 Country Road 100A, Davis, CA 95616** ("Contractor").
Mailing Address: P.O. Box 1890 Davis, CA 95617-1890

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:

East Sacramento Water Main Replacement, Phase 2 (REBID) (PN: Z14010066)

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 phase "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 **two hundred forty (240) 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.

In addition to the above, the Contractor shall make a written assignment of all manufacturer's and other product warranties to the City, prior to completion and final acceptance of the Work by 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 IF CHECKED:

√ ***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 (installed and operable).***

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:

Completion of 29,000 linear feet of distribution main and associated water services per phasing plan in Special Provisions, and all transmission main work-bid items 53, 55-62, & 65(installed & operable)

Milestone Date: Feb. 15, 2016

The above milestone date is a fixed date, and shall not be extended for any reason, except that the City may agree to extend the milestone date if critical path Work is delayed by bad weather or unforeseen conditions, if, and only to the extent that, the cumulative period of such delay after the Notice to Proceed is issued and prior to the milestone date is more than 15 working days. Contractor is responsible for having sufficient staff and equipment needed to meet this milestone.

CONTRACTOR'S ACKNOWLEDGMENT: aeh

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-erections, 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.

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:
CertsOnly-Portland@ebix.com

(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 04-30-2015

BY x

A. Ed Herrnberger
Print Name

Director, Private Procurment, North Region
Title

BY

Print Name

Title

68-0174245
Federal ID#

008-03627
State ID#

100870
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
__X__ Corporation
_____ Limited Liability Company
_____ Other (*please specify:*_____)

CITY OF SACRAMENTO
a municipal corporation

DATE _____

BY _____
For: John F. Shirey, City Manager

Original Approved As To Form:

_____
City Attorney

Attest:

_____
City Clerk

Form approved by City Attorney 1-31-14

A. TEICHERT & SON, INC., 3500 American River Drive, Sacramento, California 95864

I, ANNE S. HASLAM, Secretary of A. TEICHERT & SON, INC., a California Corporation, which does business under the fictitious names of TEICHERT CONSTRUCTION, TEICHERT MATERIALS, TEICHERT AGGREGATES, TEICHERT READYMIX, TEICHERT BULK TRANSPORTATION, and ANGELO UTILITIES, as well as under its own name, certify that the following is a true and correct copy of a resolution unanimously passed and adopted by the Board of Directors of this corporation at a meeting held on August 6, 2014 and as amended at meetings held on September 8, 2014, September 30, 2014,October 20, 2014, November 21, 2014 and February 19, 2015:

RESOLVED, That

	JUDSON T. RIGGS	President
and	MARY T. ROTELLI	Executive Vice President & Chief Operating Officer
and	RONALD L. GATTO	Executive Vice President, Chief Financial Officer & Assistant Secretary
and	ANNE S. HASLAM	Secretary

any two of whom acting in combination, are authorized on behalf of this corporation and in its name or in any of the fictitious names under which this corporation does business, to sign, seal, acknowledge, verify and deliver deeds, deeds of trust, mortgages, pledges, transfers, promissory notes, and any other documents and instruments relating to the business and properties, real and personal, of this corporation;

RESOLVED FURTHER, That the following officers of this corporation:

Judson T. Riggs	President
Mary T. Rotelli	Executive Vice President & Chief Operating Officer
Ronald L. Gatto	Executive Vice President, Chief Financial Officer & Assistant Secretary
Dana M. Davis	Senior Vice President
David A. Swartz	Senior Vice President
Robert A. DeRuiter	Vice President
Thomas J. Griffith	Vice President
Mark R. Ingram	Vice President
Susan L. Mansfield	Vice President & Chief Information Officer
Timothy B. Murphy	Vice President
John T. Cassidy	Controller
Anne S. Haslam	Secretary

are authorized, acting alone or in any combination, on behalf of this corporation and in its name or in any of the fictitious names under which this corporation does business, to execute and deliver proposals, bids, bonds, contracts, and agreements for construction work; and to do all other acts of a business nature that this corporation is empowered to do by law;

RESOLVED FURTHER, That the following employees of this corporation:

Daniel E. Brown	Director, Private Procurement,Central Valley
Rick Czuleger	Senior Estimator, North Region
Darryl Hansen	Senior Estimator, North Region
A. Ed Herrnberger	Director, Private Procurement, Greater Sacramento
Clark J. Hulbert	Director, Project Management
Francis Johnson	Director, Private Procurement, Bay Area
Scott Lewis	Area Manager, North Region
Raul Ortiz	Area Manager, Central Valley
Bryan Ramirez	Area Manager, North Region
Janez Seliskar	Chief Estimator, Fresno
Eric Stannard	Director of Public Procurement
Gordon Stout	Area Manager, South Valley
John W. Thomassen	Senior Estimator, Central Valley

are designated as attorneys in fact of this corporation with full authority to execute proposals, bids, bonds, contracts, and agreements for construction work.

DATED: 4.30.2015

Anne S. Haslam

Anne S. Haslam
Secretary of A. Teichert & Son, Inc.

CALIFORONIA LABOR CODE RELATING TO APPRENTICES ON PUBLIC WORKS PROJECTS

See following links: www.dir.ca.gov and/or www.leginfo.ca.gov

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 04/28/2015

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

Willis Insurance Services of California, Inc.
c/o 26 Century Blvd.
P. O. Box 305191
Nashville, TN 37230-5191

CONTACT NAME:
PHONE (A/C, NO, EXT): 877-945-7378 FAX (A/C, NO): 888-467-2378
E-MAIL ADDRESS: certificates@willis.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A: Zurich American Insurance Company	16535-100
INSURER B: Allied World Assurance (US) Inc.	19489-001
INSURER C:	
INSURER D:	
INSURER E:	
INSURER F:	

INSURED

Teichert Construction
4401 Duluth Ave
Rocklin, CA 95765

COVERAGES

CERTIFICATE NUMBER: 23117395

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 INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY	Y		GLO3437182-12	4/1/2014	4/1/2016	EACH OCCURRENCE	$ 2,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurence)	$ 1,000,000
	X XCU COVERAGE INCL						MED EXP (Any one person)	$ 5,000
	X BFPD, CONTRACT						PERSONAL & ADV INJURY	$ 2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 4,000,000
	POLICY X PRO-JECT X LOC						PRODUCTS - COMP/OP AGG	$ 4,000,000
	OTHER:						Excess of	$500,000 SIR
A	AUTOMOBILE LIABILITY	Y		BAP3437183-13	4/1/2015	4/1/2016	COMBINED SINGLE LIMIT (Ea accident)	$ 2,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$
	ALL OWNED AUTOS / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	HIRED AUTOS / NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
							Excess of	$500,000 SIR
B	UMBRELLA LIAB X OCCUR			03082614	4/1/2015	4/1/2016	EACH OCCURRENCE	$ 3,000,000
	X EXCESS LIAB CLAIMS-MADE						AGGREGATE	$ 3,000,000
	DED RETENTION $							$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY		Y	EWS5345068-10	4/1/2015	4/1/2016	X PER STATUTE / OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N	N/A					E.L. EACH ACCIDENT	$ 1,000,000
	(Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000

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

RE: East Sacramento Water Main Replacement, Phase 2, (REBID) (Teichert Job# 1701223)

Named Insured is a California qualified self-insurer registered under #1867-132-01 for Workers' Compensation. Policy #EWS5345068-10 provides Excess Workers' Compensation / Employer's Liability coverage excess of $1,000,000 SIR.

CERTIFICATE HOLDER

City of Sacramento Department of Utilities
Engineering Services Division
Attn: Renee Graves
1395 35th Avenue
Sacramento, CA 95822-2911

CANCELLATION

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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AGENCY CUSTOMER ID: 629045

LOC#: _____

ADDITIONAL REMARKS SCHEDULE

AGENCY		NAMED INSURED
Willis Insurance Services of California, Inc.		Teichert Construction 4401 Duluth Ave Rocklin, CA 95765
POLICY NUMBER See First Page		
CARRIER See First Page	NAIC CODE	EFFECTIVE DATE: See First Page

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: 25 FORM TITLE: CERTIFICATE OF LIABILITY INSURANCE

RE: East Sacramento Water Main Replacement, Phase 2, (REBID) (Teichert Job# 1701223)

City of Sacramento, its officials, employees, and volunteers is included as an Additional Insured as respects to General Liability and Auto Liability, but solely in regards to work being performed by or on behalf of the Named Insured in connection with the job described herein.

Waiver of Subrogation applies as respects Excess Workers Compensation per the endorsement attached and where permitted by law.

It is understood and agreed that this insurance is primary and any other insurance maintained by the additional insured shall be excess only and not contributing with this insurance.

Coll:4677604 Tpl:1943740 Cert:23117395 © 2008 ACORD CORPORATION. All rights reserved.
The ACORD name and logo are registered marks of ACORD

Additional Insured – Automatic – Owners, Lessees Or Contractors

ZURICH

Policy No.	Eff. Date of Pol.	Exp. Date of Pol.	Eff. Date of End.	Producer No.	Add'l. Prem	Return Prem.
GLO 3437182-12	04/01/2014	04/01/2016				

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

Named Insured:

Address (including ZIP Code):

This endorsement modifies insurance provided under the:

Commercial General Liability Coverage Part

A. Section **II – Who Is An Insured** is amended to include as an insured any person or organization who you are required to add as an additional insured on this policy under a written contract or written agreement.

However, if you have entered into a construction contract or construction agreement with an additional insured person or organization, the insurance afforded to such additional insured only applies to the extent permitted by law.

B. The insurance provided to the additional insured person or organization applies only to "bodily injury", "property damage" or "personal and advertising injury" covered under Section **I – Coverage A – Bodily Injury And Property Damage Liability** and Section **I – Coverage B – Personal And Advertising Injury Liability**, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf,

and resulting directly from your ongoing operations or "your work" as included in the "products-completed operations hazard", which is the subject of the written contract or written agreement.

C. However, regardless of the provisions of Paragraphs **A.** and **B.** above:

1. We will not extend any insurance coverage to any additional insured person or organization:
   a. That is not provided to you in this policy; or
   b. That is any broader coverage than you are required to provide to the additional insured person or organization in the written contract or written agreement; and
2. We will not provide Limits of Insurance to any additional insured person or organization that exceed the lower of:
   a. The Limits of Insurance provided to you in this policy; or
   b. The Limits of Insurance you are required to provide in the written contract or written agreement.

D. The insurance provided to the additional insured person or organization does not apply to:

"Bodily injury", "property damage" or "personal and advertising injury" arising out of the rendering or failure to render any professional architectural, engineering or surveying services including:

1. The preparing, approving or failing to prepare or approve maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; and
2. Supervisory, inspection, architectural or engineering activities.

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E. The following is added to Paragraph 2. Duties In The Event Of Occurrence, Offense, Claim Or Suit of Section IV – **Commercial General Liability Conditions:**

The additional insured must see to it that:

1. We are notified as soon as practicable of an "occurrence" or offense that may result in a claim;
2. We receive written notice of a claim or "suit" as soon as practicable; and
3. A request for defense and indemnity of the claim or "suit" will promptly be brought against any policy issued by another insurer under which the additional insured may be an insured in any capacity. This provision does not apply to insurance on which the additional insured is a Named Insured, if the written contract or written agreement requires that this coverage be primary and non-contributory.

F. For the coverage provided by this endorsement:

1. The following paragraph is added to Paragraph 4.a. of the Other Insurance Condition of Section IV – **Commercial General Liability Conditions:**

   This insurance is primary insurance as respects our coverage to the additional insured person or organization, where the written contract or written agreement requires that this insurance be primary and non-contributory with respect to any other policy upon which the additional insured is a Named Insured. In that event, we will not seek contribution from any other such insurance policy available to the additional insured on which the additional insured person or organization is a Named Insured.

2. The following paragraph is added to Paragraph 4.b. of the Other Insurance Condition of Section IV – **Commercial General Liability Conditions:**

   This insurance is excess over:

   Any of the other insurance, whether primary, excess, contingent or on any other basis, available to an additional insured, in which the additional insured on our policy is also covered as an additional insured on another policy providing coverage for the same "occurrence", offense, claim or "suit". This provision does not apply to any policy in which the additional insured is a Named Insured on such other policy and where our policy is required by written contract or written agreement to provide coverage to the additional insured on a primary and non-contributory basis.

G. This endorsement does not apply to an additional insured which has been added to this policy by an endorsement showing the additional insured in a Schedule of additional insureds, and which endorsement applies specifically to that identified additional insured.

All other terms and conditions of this policy remain unchanged.

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POLICY NUMBER: BAP 3437183-13

COMMERCIAL AUTO
CA 20 48 02 99

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

DESIGNATED INSURED

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM
GARAGE COVERAGE FORM
MOTOR CARRIER COVERAGE FORM
TRUCKERS COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by this endorsement.

This endorsement identifies person(s) or organization(s) who are "insureds" under the Who Is An Insured Provision of the Coverage Form. This endorsement does not alter coverage provided in the Coverage Form.

This endorsement changes the policy effective on the inception date of the policy unless another date is indicated below.

Endorsement Effective:	Countersigned By:
Named Insured:	(Authorized Representative)

SCHEDULE

Name of Person(s) or Organization(s):

ANY PERSON OR ORGANIZATION TO WHOM OR WHICH YOU ARE REQUIRED TO PROVIDE ADDITIONAL INSURED STATUS OR ADDITIONAL INSURED STATUS ON A PRIMARY, NON-CONTRIBUTORY BASIS, IN A WRITTEN CONTRACT OR WRITTEN AGREEMENT EXECUTED PRIOR TO LOSS, EXCEPT WHERE SUCH CONTRACT OR AGREEMENT IS PROHIBITED BY LAW.

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to the endorsement.)

Each person or organization shown in the Schedule is an "insured" for Liability Coverage, but only to the extent that person or organization qualifies as an "insured" under the Who Is An Insured Provision contained in Section II of the Coverage Form.

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ZURICH

Waiver of Subrogation Endorsement

Insured:	Endorsement No.:
TEICHERT, INC.	
Policy No.:	Effective Date of this Endorsement:
EWS 5345068-10	04/01/2015

This endorsement modifies insurance provided by the following:

Excess Insurance Policy for Self-Insurer of Workers Compensation and Employers Liability

This policy is changed to provide:

Part Six - Condition G - Subrogation - Recovery From Others - gives us the right to recover all payments which we have made to you from anyone liable for loss. We agree to waive this right but only to the extent that you perform work under a written contract which requires you to obtain this agreement.

Countersigned: _____

Authorized Signature

CITY OF SACRAMENTO
PERFORMANCE BOND
Department of Utilities

Bond No.: 070019170

Premium: $34,307.00

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

A Teichert & Son Inc., dba Teichert Construction
P.O. Box 1890
Davis, CA 95617-1890

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

East Sacramento Water Main Replacement, Phase 2, (REBID)
(PN: Z14010066) (B15141321011)

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, 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)*:
LIBERTY MUTUAL INSURANCE COMPANY, 1340 Treat Blvd., Suite 550, Walnut Creek, CA 94597,
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: **Eleven Million Four Hundred Thirty Five Thousand Seven Hundred Forty Seven Dollars and no Cents ($11,435,747.00)** 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 April 29, 2015.

A. TEICHERT & SON INC.
DBA TEICHERT CONSTRUCTION
(Contractor) (Seal)

By X
A. Ed Herrnberger
Title ~~Director, Private Procurement~~

ORIGINAL APPROVED AS TO FORM:

City Attorney

LIBERTY MUTUAL INSURANCE COMPANY
(Surety) (Seal)

By Pamela A. Nelson
Pamela A. Nelson
Title Attorney-in-Fact

Agent Name and Address Willis Insurance Services of California, Inc.
525 Market Street, 34th Floor, San Francisco, CA 94105

Agent Phone # 415-955-0120
Surety Phone # 925-979-6712
California License # 0C12721
Surety Email: eduardo.campos@libertymutual.com

CITY OF SACRAMENTO
PAYMENT BOND
Department of Utilities

Bond No.: 070019170
Premium: Included in Performance Bond

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

A Teichert & Son, Inc., dba Teichert Construction
P.O. Box 1890
Davis, CA 95617-1890

hereinafter called Contractor, a contract for construction of:

East Sacramento Water Main Replacement, Phase 2, (REBID)
(PN: Z14010066) (B15141321011)

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*):
_____, 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 **Eleven Million Four Hundred Thirty Five Thousand Seven Hundred Forty Seven Dollars and no Cents ($11,435,747.00)** 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 April 29, 2015.

A. TEICHERT & SON INC.
DBA TEICHERT CONSTRUCTION
(Contractor) (Seal)
By x
A. Ed Herrnberger
Title Director, Private Procurement

ORIGINAL APPROVED AS TO FORM:

City Attorney

LIBERTY MUTUAL INSURANCE COMPANY
(Surety) (Seal)
By Pamela A. Nelson
Pamela A. Nelson
Title Attorney-in-Fact
Agent Name and Address Willis Insurance Services of California, Inc.
525 Market Street, 34th Floor, San Francisco, CA 94105
Agent Phone # 415-955-0120
Surety Phone # 925-979-6712
California License # 0C12721
Surety Email: eduardo,campos@libertymutual.com

Effective 7-1-12

ATTORNEY IN FACT ACKNOWLEDGEMENT OF SURETY

STATE OF WASHINGTON

COUNTY OF KING

On the 29th day of April, 2015, before me, Paul Perez, a notary public in and for said county and state, personally appeared Pamela A. Nelson, known to me to be the person whose name is subscribed to the within instrument as the Attorney-in-Fact of Liberty Mutual Insurance Company the corporation named as Surety in said instrument and acknowledged to me that he/she subscribed the name of said corporation thereto as Surety and his/her own name as Attorney-in-Fact.

PAUL PEREZ
COMMISSION EXPIRES
NOTARY
PUBLIC
06/06/2016
STATE OF WASHINGTON

Notary Public for: State of Washington
My Commission Expires: 06/06/2016

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.
This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 6337734

American Fire and Casualty Company
The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That American Fire & Casualty Company and The Ohio Casualty Insurance Company are corporations duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Brian Hearst; Joan M. Councilman; Pamela A. Nelson

all of the city of SEATTLE, state of WA each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 4th day of November, 2013.

American Fire and Casualty Company
The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

By: Gregory W. Davenport
Gregory W. Davenport, Assistant Secretary

STATE OF WASHINGTON ss
COUNTY OF KING

On this 4th day of November, 2013, before me personally appeared Gregory W. Davenport, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute 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 have hereunto subscribed my name and affixed my notarial seal at Seattle, Washington, on the day and year first above written.

By: KD Riley
KD Riley , Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS – Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts – SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes Gregory W. Davenport, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, David M. Carey, the undersigned, Assistant Secretary, of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, 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 29th day of April, 2015.

By: David M. Carey
David M. Carey, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

LMS_12873_092012

SPECIAL PROVISIONS

SPECIAL PROVISIONS FOR
EAST SACRAMENTO
WATER MAIN REPLACEMENT PROJECT PHASE 2
(PN: Z14010066)

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SECTION 1 GENERAL CONSTRUCTION REQUIREMENTS

1.01 Scope of Work

The work to be performed under these Special Provisions generally consists of furnishing and placing 6-inch, 8-inch, 12-inch and 30-inch diameter water mains. Also included is furnishing and installing all required fittings, valves, blow offs, air vacuum and release valves, system ties, fire hydrants and other appurtenances, water services, meter setters, meter boxes, lids, meter valves and water 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 and transmission systems 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 and water services as shown on the Plans and in these Special Provisions.

The Contractor shall provide all labor, materials, tools, and equipment to complete in place 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, referred to herein as "City Standard Specifications" and also includes all issued addendums. 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 Rosa Millino of the City of Sacramento, Department of Utilities, 1395 35th Avenue, Sacramento, California, 95822, phone (916) 808-1451.

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, decks, alleys, patios, walkways, driveways, and sidewalks.

“Locate” shall mean locate and field mark with a locator using a minimum of a single-frequency utility locating device.

“Verify” shall mean excavate and expose.

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. City and Residential Water Service Materials
7. Meters (including registers)

8. Public Notification Information
9. Phasing Plan
10. Meter boxes and lids
11. Transmission Water Main Pipe, Fittings, and Joints
12. Calculations for Length of Restrained Pipe
13. Butterfly Valves and Flexible Couplings
14. Appurtenances such as Blow-offs, Air Vacuum and Release Valves, and Gate Valves
15. Pipe and Fittings Used for System Connections
16. Corrosion Monitoring System
17. Erosion, Sediment and Pollution Control Plan
18. Material data for all grout, concrete, asphalt, bedding, backfill, and aggregate base
19. Signed manufacturer warranty certifications

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.

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

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 provide and comply with manufacturer's installation instructions and procedures in accordance with Section 5 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 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.

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 measures shall be at a minimum in accordance with Section 16 of the City Standard Specifications. The Contractor shall prepare and submit a site specific erosion, sediment and pollution control plan (ESC Plan) that identifies 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 ESC Plan shall be submitted a minimum of 48 hours prior to start of the work. 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 of the City Code 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
I. Administrative Penalties

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 project signs. A total of 8 project signs (4 per phase), approximately 30 inches by 54 inches, shall be supplied by the City. The signs shall be installed at the following locations, but the locations of the signs shall change based on the project phasing, or as directed by the Engineer:

Suggested locations of signs:

- Alhambra Blvd and H St
- Alhambra Blvd and J St
- D St and 41st St
- D St and La Purissima Way

- Folsom Blvd. and 35th St
- Folsom Blvd. and 40th St
- H St and 38th St
- H St and 50th St
- J St and 33rd St
- J St and 40th St
- McKinley Blvd. and 33rd St
- McKinley Blvd. and 35th St
- McKinley Blvd. and 39th St
- Seamas Ave and Karbet

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 four (4) small signs (2 per retrofit phase), approximately two (2) by three (3) feet. Placement shall be on barricades and located on at the end of the work area where only retrofits are being performed. Sign shall be removed at the end of each work day and placed accordingly on the next construction day.

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 five (5) 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 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

- The Contractor's first order of work is to pothole possible utility conflicts prior to ordering the 30-inch Transmission Main pipe for this project. Pothole locations are identified on the Plans but the number of potholes may change based on USA markings. The pothole information shall be submitted to the Engineer for review prior to the Contractor ordering the pipe. Once the pothole information has been submitted to the Engineer, the City may require a maximum of three weeks for the redesign of the Plans if necessary. The Engineer has the right to modify the design of the proposed water transmission main at no extra cost to the City. If there's a need for utility relocations, the Contractor shall coordinate with the Utility Company and allow time for the utility to make the required relocations.

- Schools: The contractor shall complete all work within 500 feet of school property including work on the fronting street(s) when the school is not in session or on weekends. The Contractor shall schedule and coordinate all required work at the school property with Sacramento City Unified School District Plumbing Supervisor Jim Heberling at 741-1058. Contractor shall confirm the school session and include this information on the Contractor's schedule.

  The schools located within the project area are:

  Sutter Middle School (3150 I Street)

  David Luben Elementary School (3535 M Street)

  Sacred Heart Parish School (856 39th Street)

- 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.

- Construction work in the alley behind Sutter Lawn Tennis Club (3951 N Street) shall take place only during the time frame of September through mid-March. The Contractor shall coordinate alley parking lot closures with the general manager at 916-451-3336.

- Second to the last phase of construction shall include the following: work in J Street, 36th Street to 40th Street, work at 1040 39th Street (Sacred Heart Church), and work through Safeway parking lot/Alhambra Tank.

- The last phase of construction shall include placing the distribution main in Folsom Blvd.

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 days of contract award at City Council. Time extensions will not be granted for delays in the Contractor receiving water meters.

1.20 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.

1.21 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, 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 Appendix.

1.22 Permanent Survey Monuments

Contractor is responsible for verifying that the arrangements have been made for preserving and/or perpetuating all permanent survey monuments that will be affected by the work in accordance with Section 5 of the City Standard Specifications.

1.23 Time of Award

Section 3-2, "Time of Award," of the Standard Specifications is hereby amended for this project. Time of Award for this contract shall be made within Sixty (60) calendar days after opening of the proposals to the lowest responsible bidder.

1.24 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.

1.25 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 2. PUBLIC CONVENIENCE & PROTECTION OF EXISTING IMPROVEMENTS

2.01 Public Right-of Way and Easements

All water mains 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 may 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.

If the Contractor finds it necessary to encroach onto private property outside the limits of the project, the Contractor shall make all necessary arrangements with the owner of the property for such encroachment. A copy of any written agreements entered into between the Contractor and the property owner concerning encroachment onto private property shall be provided to the Engineer prior to beginning any work on the property described in the agreement.

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 insure 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 for 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 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.

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 City 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.

   Driveways may be closed only during normal working hours and only after giving property owners a minimum of twenty-four (24) hours written notice in advance of the closure.

2. 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.

3. 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.

4. 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.

5. City working hours are defined to be between 7:00 A.M. and 6:00 P.M., Monday through Friday excluding Legal Holidays, unless otherwise noted in these Special Provisions. 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.

6. A changeable message board shall be required in both directions on all primary streets.

7. The Contractor is hereby alerted that Alhambra Blvd from E St to Broadway, H Street, Folsom Blvd and J Street are designated as “Primary Streets” in accordance with Section 6-10 of the City Standard Specifications. The working hours on these streets are reduced to 8:30 AM to 4:00 PM, Monday through Friday. As such, by City ordinance 2002-004, the contractor will be assessed administrative penalties of $1000.00 per code violation every 15 minutes that the contractor violates the code.

The Contractor is required to submit a completed “Traffic Alert” form to the City, ten (10) working days prior to closure of any street. A sample “Traffic Alert” form is included in Appendix C.

The Contractor is also alerted that several streets within the project limits are active Regional Transit bus routes. The Contractor is required to coordinate with Regional Transit for all closures. Please coordinate directly with Robert Hendrix at 916-556-0354.

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 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 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 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 working days prior to the street closure.

5. Regional Transit - Provide the street/alley closure limits and estimated duration of closure, by calling Lynn Cain at 321-5375 and faxing the information to 557-4541 five 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 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 City 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 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 of the City Standard Specifications.

2.09 Notification to Property Owners

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

- Seven days prior to commencing any work on public streets
- Seven days prior to commencing any work on private property
- 24 hours prior to commencing work on private property
- 24 hours prior to a water service shutdown on private property

In the event the Contractor returns to the property for additional work, or does work in the street in front of the property (such as paving), the seven working day and twenty four hour notification process shall be repeated.

Notifications shall be in the form of a door hanger and shall include the Contractors name, a contact person and phone number, a brief summary of the work, and the estimated duration of the work. Notifications shall be as shown in the Appendix B.

For properties receiving a meter box in a non-traffic location, or driveway, the Contractor shall also be responsible for marking proposed water service and meter

box locations and notifying these property owners of the proposed location one week prior to installing the service saddle on the new water main. Where meter boxes are to be placed within a sidewalk, no additional notification is necessary.

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. Notifications shall be as shown in Appendix B.

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 **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 section 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 traffic, nor access to residences.

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. Use of plates or plywood as temporary cover prior to meter box placement is not 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 construction Plans and the provisions of Section 27-3 and 27-8 of the City Standard Specifications.

3.04 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 City 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 1200 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.

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

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 11 days before the shutdown is required. If these coordination requirements are not performed, the City cannot provide the shutdown.

Due to the types of businesses found within the project boundaries, shutdowns may be limited to off-hours such as nights or weekends.

The Contractor shall expose the existing water main at tie-in locations 24 hours prior to a 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.

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.

3.06 Pavement Cutting and Surface 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 (4”) inches of asphalt concrete over twelve (12”) inches 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 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 service 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. Contractor shall refer to Section 3.19 Tree Preservation Requirements for work near trees and roots. 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.

Masonry work damaged as a result of the construction shall be repaired by an experienced brick mason to match existing improvements. Existing bricks shall be salvaged and reused to preserve the integrity of the improvement.

Driveways consisting of exposed aggregate concrete or flat concrete shall be replaced by an experienced concrete finisher to match existing improvements.

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 an 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 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 and Commercial 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. 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 10 days prior to placing the saddle and/or constructing the service.**

Proposed service hookup locations may require adjustment due to residential plumbing and irrigation systems. 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 hours.

3.10 Water Meters

The definition of “meters” outside of section 3.17 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 10 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 1 ½” 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 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 1 ½" 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 a 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.

Endpoints

If Badger meters are furnished and installed for this project, Orion Fixed network (SE) endpoints shall be purchased by the City and preinstalled on the meters by Badger at the factory, and shall be installed by the Contractor. The endpoint shall be connected to the meter through the NICOR Hydroconn AMR series II End Connector. The contractor shall be responsible for supplying the Capital Improvement Project (CIP) number (Z14010066) to Badger upon purchase of the meter, so that the CIP number can be applied to each invoice for tracking purposes.

If badger meters are not used for this project, the endpoints will be provided and installed by the City after the meters are installed by the Contractor, and the Contractor shall be responsible for installing City supplied lid locks on all of the meter box lids. All meters supplied for this contract shall be fabricated by the same manufacturer.

Positive Displacement Type Meters 1" - 2"

General Description

Meters furnished under these specifications shall be the product of a manufacturer with at least ten years 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.

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: 1 ½” through 2”

All meters 1 ½” 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
1 ½”	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”	¾	3-50	25
1 1/2”	1 ½	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 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

1 ½” 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 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
1 1/2”	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 1 ½” – 4” sizes and be capable of resisting distortion under pressure up to one hundred and 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
1 1/2”	13”	7” Max	1” NPT
2”	17”	7” Max	1 ½ ” 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 1 ½” 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 accompanies 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 24 months after installation and to meet AWWA C-701 Accuracy Standards for two years from date of shipment.

3.11 Trench Shoring, Sheeting, and Bracing

The Contractor shall furnish, install, and maintain a trench or shoring system in compliance with the requirements set forth in City’s Standard Specifications.

3.12 Contractor Receipt of City Supplied Material

The City will supply all meters three inches and larger. In addition, if the Contractor does not supply Badger meters, the City will supply all lid locks to be installed on the meter box lids. 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 Contractors expense.

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 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, the 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 ¾" diameter hole with a 4" diameter, 1/8" deep recessed area centered over the 1 ¾" diameter hole to accommodate an automated meter reading endpoint and lid lock.

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 ½-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 ¾" diameter hole with a 3" diameter, ½" deep recessed area centered over the 1 ¾" diameter hole to accommodate an automated meter reading endpoint and lid lock. 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, ½” 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 H20 lids, the lids shall have a 1 ¾” diameter hole with a 3” diameter, ½” deep recessed area centered over the 1 ¾” diameter hole.

If Badger meters are supplied by the Contractor, the endpoints will be preinstalled on the meter and shall be installed in the meter box lid by the Contractor. If meters other than Badger are supplied, the Contractor shall install City supplied lid locks on the meter box lids. No lid 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 ½” x 2 ⅝” - 4” (2 ⅝” 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 2 ⅝”- 4” (2 ⅝” 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 Cal Trans 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
For 3-inch through 6-inch services the nominal meter box size shall be 30”W x 48”L x 12”-18”D. For 8-inch services the nominal meter box size shall be 30”W x 60”L x 12”-18”D. 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” Fire Meter w/Check Valve in Traffic shall be Oldcastle R17 Pit w/H20 Traffic Rated Steel Spring Loaded Cover (or approved equal).
- 6” and 8” Compound Meter & 6” Fire Meter w/Check Valve in Landscape shall be Oldcastle B52 Pit w/3 Piece Concrete Cover (or approved equal).
- 6” and 8” Fire Meter w/Bypass & 8” Fire Meter w/Check Valve shall be Oldcastle R37 Pit w/H20 Traffic Rated Steel Spring Loaded Cover (or approved equal).
- 3” through and 6” Turbine Meter in Traffic shall be Oldcastle 3048 Box w/H20 Rated Cover (or approved equal).
- 3” through and 6” Turbine Meter in Landscape shall be Oldcastle B48 Box w/2 Piece Concrete Cover (or approved equal).

3.14 Contractor Source Documents 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)
- 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

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 MIU serial number shall not be manually populated into the electronic spreadsheet. A barcode reader shall be used.

3.15 Placement of Meter Boxes

- 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.

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 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 limit the number of phases to no less than seven (7) with each separate phase of generally equal size in regard to quantity of new services and linear footage of new distribution main placed. For retrofits, the plan shall limit the size of a phase to 300 retrofits. The water transmission main shall be its own phase, independent of the water distribution main/water services work.

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.

Each phase shall be completed prior to beginning construction of the next phase, 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.

In order to meet the construction time frame, up to 2 phases may be constructed concurrently, but the phases may not be adjacent to each other. Three different crews are expected to perform this work (2 for distribution mains/water services and 1 for water transmission main). Each phase must have a separate water main and water service crew such that the same progress can occur within both phases at the same time. Each phase shall be completed prior to beginning construction of the next phase, 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 Connection to New or Existing Residential Services

Meter setter diameter shall match the new city-service diameter.

The Contractor shall reconnect the existing water service on the property owner's side of the meter box and the valve at the meter setter shall be left in an open position, so that the residential water service is operable when this item is complete. If the residential water service 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.

<u>Connection to Existing Service at the Hose Bib</u>

The Contractor shall connect to existing residential services using the appropriate adapter, bushing, reducer or other required fitting, and as shown on the Plans.

<u>Reconnection of Existing Water Service on Property Owner's Side of the Meter Box</u>

The Contractor shall use a flex coupling, and additional brass coupler, bushings, reducers, or other required fittings, as approved by the Engineer.

3.18 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.

3.19 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 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.

3.20 Cultural Resources

Observation will be employed by the Contractor and the Engineer during this project to ensure that any cultural resources identified during the project 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.

3.21 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 feet or less.

3.22 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. GENERAL WATER TRANSMISSION MAIN CONSTRUCTION REQUIREMENTS

4.01 Basis of Water Transmission Pipe Design

Pipe for the water transmission main to be provided under these Special Provisions shall be one of the following:

A. Welded Steel Pipe (WSP)
B. Concrete Cylinder Pipe (CCP)
C. Ductile Iron Pipe (DIP)

Thrust Restraint
The Contractor shall comply with Section 27-6 of the City Standard Specifications.

Water Transmission Main Material- General
All materials, design and fabrication of pipe shall conform to the requirements in Section 10-28 and 27 of the City Standard Specifications, except as modified herein.

Welded Steel Pipe (WSP)
In addition to the requirements of Section 10-28 and 27 of the City Standard Specifications, the following will also be included in the basis of design:

A. All of the required steel cross sectional area of the welded steel pipe shall be provided by the steel cylinder.

B. The minimum design stress shall be 16,500 psi or 50 percent of the steel minimum yield strength, whichever is greater. Grade of steel supplied shall be ASTM A570, Grade 33 or higher.

C. When determining the steel cylinder thickness of the pipe, considerations shall be taken for (1) internal pressure, including static and transient pressures; (2) external pressure, including trench loading and earth fill; and (3) practical considerations for handling, shipping, lining and coating, or similar operations. Minimum steel cylinder dimensions shall be as follows:

Nominal Pipe Diameter (inches)	Minimum Inside Diameter of Cylinder (inches)	Minimum Steel Cylinder Thickness (inches)
18	19.0	0.1345, 10 gauge
24	25.5	0.1345, 10 gauge

Nominal Pipe Diameter (inches)	Minimum Inside Diameter of Cylinder (inches)	Minimum Steel Cylinder Thickness (inches)
30	31.5	0.1644, 8 gauge
36	37.5	0.1875, 3/16
42	44.0	0.2500, 1/4
48	50.0	0.2500, 1/4
54	56.0	0.3125, 5/16

D. Cylinders shall be substantially true right cylinders, formed from one piece of sheet or coil steel.

E. Field circumferential butt welds are not acceptable.

Pipe End Finish

The exposed inside and outside surfaces of the pipe joints, flanges, reinforcement lugs, and all other exposed steel shall be protected from the formation of rust with an AWWA approved coating applied at the time of manufacture or fabrication of the pipe.

Internal Bracing and End Protection

Prior to delivery of the pipe, end covers and end/internal bracing shall be furnished and installed, as recommended by the manufacturer, for protection during shipping and storage, and installation.

Contractor Submittals

The Contractor shall submit the following items in addition to any other items required by AWWA Standard C200 or items required elsewhere in these Special Provisions to the Engineer or items required by Section 10-28 of the City Standard Specifications.

A. Affidavit of Compliance

Concrete Cylinder Pipe (CCP)

In addition to the requirements of Section 10-28 and 27 of the City Standard Specifications, the following will also be included in the basis of design:

Internal Bracing and End Protection

Prior to delivery of the pipe, end covers and end/internal bracing shall be furnished and installed as recommended by the manufacturer for protection during shipping, storage, and installation.

Contractor Submittals
The Contractor shall submit the following items in addition to any other items required by AWWA Standard C303 or items required elsewhere in these Special Provisions to the Engineer.

A. Affidavit of compliance

Ductile Iron Pipe (DIP)
The basis of design for DIP shall be conformance to the requirements of Section 10-28 and 27 of the City Standard Specifications, unless modified herein.

The Contractor shall furnish shop drawings and calculations covering the details of the pipe, fittings, special sections, joint details, and miscellaneous items to be furnished and fabricated for the pipe.

Contractor Submittals
The Contractor shall submit the following items in addition to any other items required by AWWA Standard C151/A21.51 or items required elsewhere in the Special Provisions to the Engineer.

A. Affidavit of compliance

4.02 Corrosion Monitoring

General
The Contractor shall comply with Section 27-17 of the City Standard Specifications.

The Contractor shall furnish and install the corrosion monitoring system components as indicated in the Plans and as specified in these Special Provisions.

Quality Assurance
The Contractor shall comply with Section 27-17 of the City Standard Specifications.

All equipment and materials shall be new and of the highest quality.

All work shall be accomplished by qualified, experienced personnel working under competent supervision.

Where the Plans or these Special Provisions require a higher degree of workmanship or better quality of material than implied by the above codes and standards, these Special Provisions and Plans shall prevail.

Contractor Submittals

An equipment and materials list shall be as specified in these Special Provisions. After approval of the submittals by an authorized representative of the Engineer, the Contractor shall order equipment and materials necessary to complete the facilities so that any long delivery times shall not delay the completion of the work in the specified time.

Brands or trade names are mentioned to set standards of quality: use no substitute materials unless approved in writing by an authorize representative of the Engineer. Approval of substitute materials does not relieve the Contractor of responsibility for providing a workable and functioning system as designed.

Catalog cuts, bulletins, brochures or data sheets shall be submitted for items of material or equipment for which shop drawings are not designated to be submitted. This data shall be submitted marked with a clear indication of the Contractor's intent. A list of items indicated "as specified" will not suffice. A manufacturers name alone will not suffice. The foregoing described catalog data are not required to be submitted for miscellaneous items of hardware which are needed to accomplish this work but which are not covered specifically in these Special Provisions.

Test Stations/Traffic Valve Boxes

The Contractor shall comply with Section 10 and 27-17 of the City Standard Specifications.

Test stations shall be placed at the locations indicated. The Contractor shall field verify final location of the test stations. Wire identifiers shall be placed on all wire prior to backfill and installation of test stations.

Wire

The Contractor shall comply with Section 10 and 27-17 of the City Standard Specifications.

After installation, all wire connections shall be tested at the test station by the Contractor, to ensure that they meet the minimum standard in the Plans and these Special Provisions

Exothermic Welds

The Contractor shall comply with Section 10, 27-17 and Detail W-1011 of the City Standard Specifications.

Connections shall be made at locations shown on Plans.

A coating shall be applied to all exothermic weld locations. The coating shall be a bitumastic coating as listed in these specifications for ductile iron or dielectrically coated steel. The coating shall be covered with a plastic weld cap. All surfaces must be clean and dry and free of oil, dirt, loose particles and all other foreign materials prior to application of the coating. For cement mortar lined and coated pipe or concrete cylinder pipe, the coating shall match the exterior mortar.

Insulating Flange Kits

The Contractor shall comply with Section 10 and 27-17 of the City Standard Specifications.

System Check-out

The Contractor shall comply with Section 27-17 of the City Standard Specifications.

4.03 Butterfly Valves

General

Butterfly valves shall be installed in the locations and to the details shown in the Plans and in accordance to the requirements found in Section 10-29 and 27 of the City Standard Specifications.

Raised identification plates shall be cast on or permanently attached (i.e. riveted) to each butterfly valve body showing the manufacturer's name or trade mark, year of valve casting, valve diameter and AWWA Class rating.

Submittals

The Contractor shall submit an Affidavit of Compliance to AWWA Standard C504 for all butterfly valves or groups of butterfly valves. The Affidavit of Compliance shall provide assurance that all material and manufacturing requirements have been met and required actuator torques are within specified limits.

Testing

It is required that butterfly valves meet leakage tests on both sides of the disc for flow in either direction. The Contractor shall furnish a certificate of compliance that all valves provided, comply with provisions of this specification requirement.

4.04 Flexible Couplings

The Contractor shall comply with Section 10-29 and 27-7 of the City Standard Specifications.

4.05 Air Vacuum and Release Valves

The Contractor shall comply with Section 10 and 27-7 of the City Standard Specifications.

4.06 Blow-offs

The Contractor shall comply with Section 10 and 27-7 of the City Standard Specifications.

4.07 Gate Valves

The Contractor shall comply with Section 10 and 27-7 of the City Standard Specifications.

4.08 Access Manholes

The Contractor shall comply with Section 10 and 27-7 of the City Standard Specifications.

4.09 Fire Hydrants

The Contractor shall comply with Section 10 and 27-7 of the City Standard Specifications.

4.10 Valve Boxes

The Contractor shall comply with Section 10 and 27-7 of the City Standard Specifications.

4.11 Placement and Joining of Pipe

General Requirements

In the course of the Contractor's pipe laying operation, an authorized representative of the Engineer will have the right to direct the work of the Contractor according to the following:

A. Decide if trench conditions are suitable for pipe laying due to inclement weather.

B. Direct repairs to pipe outside coating, as needed.

C. Request cleaning of the inside of the pipe, as needed.

D. Direct the Contractor to prevent undue pipe deflection and/or unit loading during pipe handling.

The Contractor shall consider the above directives as an integral part of the water transmission main contract.

Rubber Gasketed Joints

The Contractor shall comply with Section 10 and 27-4 of the City Standard Specifications.

Restrained Joints

The Contractor shall comply with Section 10 and 27-6 of the City Standard Specifications.

Insulated Joints

The Contractor shall comply with Section 10 and 27-7 of the City Standard Specifications.

Field Welding of Pipe Joints

The Contractor shall comply with Section 10, 27-4, and the Details of the City Standard Specifications.

Welding in the field shall follow the pipe laying operation as closely as possible. All field welds for steel pipe shall be complete before lining and coating of the joints is begun. Double, continuous, watertight, full fillet weld joints shall be the minimum required at all field joints. Triple weld joints shall be required of those sizes of welded steel pipe or concrete cylinder pipe specifically noted on the Plans to be triple welded.

Cement Mortar Joint Finish

The Contractor shall comply with Section 10 and 27-4 of the City Standard Specifications.

Prior to the application of cement mortar to the exterior of the pipe joints, a layer of welded wire mesh shall be tack welded to the pipe at the joint.

The application of cement mortar to the interior and exterior of the pipe shall be made subsequent to welding joints in the field to preclude the formation of gas pockets at the joint.

Pipe End Sealing
The Contractor shall comply with Section 10 and 27-4 of the City Standard Specifications.

Where valves are installed at the pipe end, water tight seals and temporary backfilling shall also be used at the days end.

Installation of Appurtenances
The Contractor shall comply with Section 10 and 27-7 of the City Standard Specifications.

4.12 Trench Backfill, Pavement Repair And Surface RestorationTrench Backfill

The Contractor shall comply with Section 10, 26-5, 27-8 and 27-9 of the City Standard Specifications.

Placement and compaction of trench backfill material shall meet the applicable requirements of the City of Sacramento's Standard Specifications and Technical Drawing T-80 in the Plans.

Full Depth Select or Imported Backfill
The Contractor shall comply with Section 10 and 27-8 of the City Standard Specifications.

Full Depth Select or Imported Backfill shall also apply in streets where it is desired to reopen the affected construction area to traffic in as short a time as possible.

Utility Crossing Padding
Wherever the water main pipe crosses over or under intersecting sanitary sewer, storm drain, or other utility lines, and the minimum clearance between the two lines is six (6) inches or less, styrofoam pad of full gap thickness or sand shall be placed between the intersecting pipelines. The styrofoam pad shall be approximately 18 inches square and shall be secured so as to remain in place during subsequent backfill operations. Larger pads shall be provided where so indicated on the Plans.

Clean-Up Behind Pipe Laying Operations
The Contractor shall comply with Section 16 and 27-4 of the City Standard Specifications.

4.13 Hydrostatic Pressure And Disinfection Testing

General

The Contractor shall comply with Section 27-13 of the City Standard Specifications.

This section covers disinfection, hydrostatic pressure and leakage testing, and flushing of water transmission mains and related valves and fittings. All hydrostatic pressure and disinfection testing shall be made in the presence of an authorized representative of the Engineer and shall conform with the Standard Specifications except as modified with these Special Provisions.

Testing Procedure

The Contractor shall comply with Section 27-12 and 27-13 of the City Standard Specifications.

In no case shall water be discharged directly to a river, creek, pond or other surface water. A suggested, but not mandated method of achieving the required residual is to add sodium metabisulfite at a ratio of 1.4 parts sodium metabisulfite to 1 part chlorine. Sodium metabisulfite shall conform to AWWA Standard B601.

Prior to disposal of de-chlorinated water, the City will take samples, the cost of which will be borne by the City, and test for chlorine residual at discharge locations along the pipeline. If the test results indicate that the discharge water exceeds the allowable chlorine residual, the Contractor shall re-neutralize until test results indicate a chlorine residual of 0.01 mg/l or less. The cost for re-testing chlorine residual after initially failing to meet the requirements shall be borne by the Contractor. At no time shall any un-neutralized water be discharged to the City storm drain system.

4.14 Traffic Signal Detector Loops

Traffic Signal Detector Loops shall be replaced per the requirements of the City Standard Specifications dated June 2007 at the locations indicated in these special provisions

4.15 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 5. ITEMS OF THE PROPOSAL

Item No. 1 Construction Photographs

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- 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 4-inch Water Service to Transfer

Item No. 4 6-inch Water Service/Hydrant Lead to Transfer

Item No. 5 8-inch Water Service/Hydrant Lead 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.

The Contractor shall assume the Underground Service Alert function for the City for the facilities on which they are working. The Contractor shall locate and mark water service laterals, and this work shall be performed by a qualified person, in accordance with the requirements of Underground Service Alert (Calif. Government code 4216). All costs shall be borne by the Contractor and shall be included in this bid item.

USA markings shall be verified by the Contractor.

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 show 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. 6 <u>Install and Reconnect (E) Metered Service (2" and smaller)</u>

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.

Contractor shall intercept existing service and place compression coupler. If existing pipe is galvanized or plastic, replace with Type K Copper or HDPE water service to existing meter.

Unless otherwise directed, intercept and connect the existing service lateral as close as practicable to the new water main.

The Contractor shall assume the Underground Service Alert function for the City for the facilities on which they are working. The Contractor shall locate and mark water service laterals, and this work shall be performed by a qualified person, in accordance with the requirements of Underground Service Alert (Calif. Government code 4216). All costs shall be borne by the Contractor and shall be included in this bid item.

USA markings shall be verified by the Contractor.

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.

Payment shall be at the contract unit price bid for each existing water meter that is reconnected to the new main 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. 7 6-Inch Diameter Water Main to Furnish and Install

Item No. 8 8-Inch Diameter Water Main to Furnish and Install

Item No. 9 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. 10 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.

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. 11 4-Inch Diameter Gate Valve to Furnish and Install

Item No. 12 6-Inch Diameter Gate Valve to Furnish and Install

Item No. 13 8-Inch Diameter Gate Valve to Furnish and Install

Item No. 14 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.15 <u>2-Inch Diameter Blow-off to Furnish and Install</u>

Item No.16 <u>6-Inch Diameter Blow-off to Furnish and Install</u>

This item shall consist of furnishing and installing a two inch (2”) or six inch (6”) diameter blow-off at the locations indicated on the Plans and shall be installed in accordance with Standard Drawing W-301, W804, W-805 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 or 6-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. 17 <u>8-inch Standard Fire Hydrant to Furnish and Install</u>

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 Appendix B, 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. The hydrant lateral pipe can be PVC or DIP as long it complies with the detail in the Plans per the California Code of Regulations.

The fire hydrant lead and valve shall be 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. 18 <u>Existing Fire Hydrant Removal</u>

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 feet (2') 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, Bldg. 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. 19 <u>2-inch and Smaller Substandard Water Service</u>

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 Contactor 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 the Underground Service Alert function for the City for the facilities on which they are working. The Contractor shall locate and mark water service laterals, and this work shall be performed by a qualified person, in accordance with the requirements of Underground Service Alert (Calif. Government code 4216). All costs shall be borne by the Contractor and shall be included in this bid item.

USA markings shall be verified by the Contractor.

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 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. 20 1-Inch Water Service (main to existing service)

Item No. 21 11/2-Inch Water Service (main to existing service)

Item No. 22 2-Inch Water Service (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; installing City furnished Lid Locks or pre-installed endpoints, 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 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 the Underground Service Alert function for the City for the facilities on which they are working. The Contractor shall locate and mark water service laterals, and this work shall be performed by a qualified person, in accordance with the requirements of Underground Service Alert (Calif. Government code 4216). All costs shall be borne by the Contractor and shall be included in this bid item.

USA markings shall be verified by the Contractor.

Typical details can be found in the 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. 23 4-Inch Water Service (main to existing service)

Item No. 24 6-Inch Water Service (main to existing service)

These items shall consist of furnishing and installing water services from the water main to the point of service at the property. Each water service shall include furnishing and placing a tee, all necessary piping and fittings, meter box, meter lid, bypass piping, installing City furnished Lid Locks, and all other items necessary to place and connect water services for a complete and operable system as shown on the Plans. 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. Gate valves shall be paid for under separate items and the City will supply all meters three inches and larger.

If existing service is combined Fire/Domestic, the service shall be constructed per detail W-515RBB as shown in the Plans.

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 the Underground Service Alert function for the City for the facilities on which they are working. The Contractor shall locate and mark water service laterals, and this work shall be performed by a qualified person, in accordance with the

requirements of Underground Service Alert (Calif. Government code 4216). All costs shall be borne by the Contractor and shall be included in this bid item.

USA markings shall be verified by the Contractor.

Typical details can be found in the Plans. Not all water connections will match the typical details.

The quantity of Water Services (main to existing service) to install and connect from the main up to existing service 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. 25 1-Inch Meters to Furnish and Install in Existing Meter Box

This item shall include the installation of water meters in an existing meter box. Contractor shall install a meter only when the depth from top of meter box to the top of idler is between 9-inches and 12-inches. If depth is greater than 12-inches, or less than 9-inches, then a 1-inch retrofit item will be performed. This shall include shutting off the water to the existing service, removing and disposing of the idler and furnishing and placing the new meter in the existing meter setter. If there isn't an existing meter setter, then the Contractor shall place and connect the meter to the existing water service

piping. Once the meter is installed, the Contractor shall turn the water back on to the property and flush the service line.

The quantity of 1-Inch and meters to furnish and install within existing meter boxes 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 for each 1-Inch meter furnished and installed within existing meter box and shall include full compensation for furnishing all labor, material, tools, equipment and incidentals and for doing all work to complete this item in place.

Item No. 26 Hybrid Water Service w/Meter Box, to Furnish and Install (main to front/side hose bib),

Item No. 27 Hybrid Water Service w/Meter Box, to Furnish and Install (main to rear of property,

Item No. 28 1 ½-Inch Water Service w/Meter Box, to Furnish and Install (main to rear of property),

Item No. 29 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, and meter; installing City furnished Lid Locks or pre-installed endpoints, all necessary piping and fittings, preparing the hosebib 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 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.

Some services have existing meters that will require relocation by the Contractor to the new meter box location as shown on the Plans. Relocation of existing meters shall be included in this bid item.

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. This item includes the relocation of existing meters to the new meter box when encountered.

The Contractor shall assume the Underground Service Alert function for the City for the facilities on which they are working. The Contractor shall locate and mark water service laterals, and this work shall be performed by a qualified person, in accordance with the requirements of Underground Service Alert (Calif. Government code 4216). All costs shall be borne by the Contractor and shall be included in this bid item.

USA markings shall be verified by the Contractor.

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 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 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.

<u>Payment</u> 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. 30 <u>Meter Retrofit of 1-inch Water Services</u>

Item No. 31 <u>Meter Retrofit of 1½-inch Water Services</u>

Item No. 32 <u>Meter Retrofit of 2-inch Water Services</u>

This item shall consist of furnishing and installing meter setters, curb stops, meter boxes, lids, water meters, required pipe, all fittings including those required to adjust alignment and elevation, City furnished lid locks or pre-installed endpoints, 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. 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.

Service Size	**Technical Dwg.**
• 1” service to retrofit	W-402RL, W-402R
• 1 ¼” single family residential retrofit	W-402RL, W-402R
• 1 ¼” multi-family residential retrofit	W-507RL, W-507R
• 1 ½ ” service to retrofit	W-507RL, W-507R
• 2” service to retrofit	W-507RL, 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 1 ¼ -inch service shall have a 1 ½ -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 the Underground Service Alert function for the City for the facilities on which they are working. The Contractor shall locate and mark water service laterals, and this work shall be performed by a qualified person, in accordance with the

requirements of Underground Service Alert (Calif. Government code 4216). All costs shall be borne by the Contractor and shall be included in this bid item.

USA markings shall be verified by the Contractor.

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 depths from finished grade to the top of curb stop varied 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. 33 Meter Retrofit of 6-inch Water Services

This item shall consist of installing 6-inch water meters on existing water services in accordance with Section 10, 27 and 38 of the Standard Specifications and Standard Drawing W-515RBB as shown in the Plans.

The Contractor shall assume the Underground Service Alert function for the City for the facilities on which they are working. The Contractor shall locate and mark water service laterals, and this work shall be performed by a qualified person, in accordance with the requirements of Underground Service Alert (Calif. Government code 4216). All costs shall be borne by the Contractor and shall be included in this bid item.

USA markings shall be verified by the Contractor.

Contractor shall be responsible for furnishing and installing 6-inch pipe, fittings, meter boxes, lids, valves, standpipes, valve boxes, check valves, vaults, concrete, supports and all other necessary components to properly install 6-inch meters. The City will furnish meters 3” and larger. The Contractor shall install the meters.

For 3” and larger water service to retrofit with existing backflow device only: When the meter is being installed on a backflow device, the Contractor shall note that the backflow device is required to be retested by a certified tester and if repairs are needed, the cost of such repairs shall be included in this bid item.

For fire flow meters with check valves only: The Contractor shall reconnect the existing water service to the newly installed check valve on the property owners side of the meter so that the water customer’s water service is in service when this item is complete. The quantity of check valves to be placed shown on the bid proposal is for bidding purposes only. The unit price indicated for check valves to be placed will not be adjusted because the actual number of required varies from the quantity shown on the bid proposal.

The quantity of 3-inch and larger water meters to be placed shown on the bid proposal is for bidding purposes only. The unit price indicated for 3-inch and larger water meters to be placed will not be adjusted because the actual number of required water meters varies from the quantity shown on the bid proposal. Both above and below ground installations shall be at the same bid price.

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 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 Contractor shall reconnect the existing water service on the property owners side of the meter box so that the water customer’s water service is in service when this item is complete.

Payment shall be at the unit price bid per each 6-inch water meter retrofit and shall include full compensation for furnishing all labor, tools, equipment and for performing all work necessary to complete this item in place.

Item No. 34 **2-Inch Water Service w/Meter Box & Meter w/three 1-Inch water service connections(3663-3667 J Street)**

Item No. 35 **2-Inch Water Service w/Meter Box & Relocate Existing RP and Meter (3701 J St)**

Item No. 36 **2-Inch Water Service w/Meter Box and Meter & Relocate Existing RP (3610 I St)**

Item No. 37 **2-Inch Water Service w/Meter Box & Relocate Existing Meter (3600 J St)**

Item No. 38 **11/2-Inch Water Service w/Meter Box & Relocate Existing RP and Meter (3655 J St)**

Item No. 39 **Hybrid Water Service w/meter box to Furnish and Install & Relocate Existing RP & Meter**

Item No. 40 **4-Inch Water Service & Relocate Existing RP and Meter**

This item shall consist of furnishing and installing water services from the water main to the property's existing point of connection in the rear of the property as shown in the Plans.

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.

Each water service shall include furnishing and placing a tee, fittings, saddle, corporation stop, meter box, meter lid, meter and meter setter; installing City furnished Lid Locks or pre-installed endpoints, all necessary piping and all other items necessary to place and connect water

The Contractor shall assume the Underground Service Alert function for the City for the facilities on which they are working. The Contractor shall locate and mark water service laterals, and this work shall be performed by a qualified person, in accordance with the requirements of Underground Service Alert (Calif. Government code 4216). All costs shall be borne by the Contractor and shall be included in this bid item.

USA markings shall be verified by the Contractor.

Some of these services have existing meters and/or RP's that will require relocation by the Contractor to the new meter boxes/locations as shown on the Plans. **Relocation of existing RP Device w/meter shall be per standard drawing numbers W-608 or W-505, including the construction of a new concrete pad and enclosure.** Contractor will be required to test the RP devices after the relocations.

All costs associated with this work including all re-work if the USA markings are found to be incorrect shall be included in this 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.

When contractor is connecting to existing service at the hose bib, the Contractor shall furnish and 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 Plans. Not all water connections will match the typical details.

The quantity of water services to install and connect from the main to the hose bib/rear 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.

This item shall include up to one hundred fifty feet (150') of water service. Additional footage shall be paid under a separate item.

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 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.

Payment shall be at the contract unit price bid for each water service installed and connected from the main to hose bib or existing connection point 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. 41 <u>4-Inch by 2-Inch Water Service to Furnish and Install (1100 39th St)</u>

This item shall consist of furnishing and installing water service from the new water main to the property's existing point of connection in the rear of the property as shown in the Plans.

The pipe material for the 4-inch service shall be Drisco Plex 4000 IPS (HDPE DR 9) or approved equal (From meter to connection point/rear).

The pipe material for the 2-inch portion of the service (from the main to the meter box) shall be in accordance with Section 10, 27 and 38 of the Standard Specifications.

Each water service shall include furnishing and placing a saddle, corporation stop, meter box, meter lid, meter setter, meter valve, meter, installing City furnished lid lock, or pre-installed endpoints and all required lateral pipe and all other items to place and connect water services as shown on the Plans.

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.

The Contractor shall assume the Underground Service Alert function for the City for the facilities on which they are working. The Contractor shall locate and mark water service laterals, and this work shall be performed by a qualified person, in accordance with the requirements of Underground Service Alert (Calif. Government code 4216). All costs shall be borne by the Contractor and shall be included in this bid item.

All costs associated with this work including all re-work if the USA markings are found to be incorrect shall be included in this 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.

When contractor is connecting to existing service at the hose bib, the Contractor shall furnish and 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.

The quantity of water services to install and connect from the main to the hose bib/rear 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.

This item shall include up to one hundred fifty feet (150') of water service. Additional footage shall be paid under a separate item.

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 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.

Payment shall be at the contract unit price bid for each water service installed and connected from the main to hose bib/rear 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 <u>Additional 2-Inch and Smaller Water Pipe to Furnish and Install</u>

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. 43 <u>Connection to Existing Water Distribution System</u>

This item shall consist of connecting the new water main to the existing water distribution 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 pothole tie-in locations to locate existing water mains.

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. 44 <u>Water Service to Abandon</u>

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 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 the Underground Service Alert function for the City for the facilities on which they are working. The Contractor shall locate and mark water service laterals, and this work shall be performed by a qualified person, in accordance with the requirements of Underground Service Alert (Calif. Government code 4216). All costs shall be borne by the Contractor and shall be included in this bid item.

USA markings shall be verified by the Contractor.

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. 45 1 ½-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, 1 ½-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. 46 <u>Mains to Cap</u>

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’ PVC pipe, and an 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.

Pavement Cutting and Surface Restoration Payment shall be at the contract unit price bid per each capped main 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. 47 <u>Existing Valves, Tees, Saddles and Water Mains, to Remove or Abandon</u>

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.

All abandoned taps from live mains shall be removed such that no protrusions remain, and any sections removed from the live main shall be repaired.

The method of abandoning the mains depends on the type of existing pipe. Asbestos-cement, steel, and cast iron pipe shall be plugged with two (2) feet of concrete. Steel pipe shall be abandoned by welding 1/4-inch thick steel plate on cut ends. Use of a restrained MJ cap to abandon steel main, rather than welding, in the event that valve shutdown does not effect a positive shutdown 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.

Item No. 48 <u>Water Quality to Provide</u>

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. 49 <u>Concrete to Remove and Replace</u>

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. 50 Asphaltic Concrete to Remove and Replace

This item shall cover miscellaneous asphalt concrete pavement to remove and replace not specified in the previous bid items and surface restoration due to meter box placement. 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. 51 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. 52 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 location 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. 53 30-Inch Diameter Water Transmission Main to Furnish and Install

This item shall consist of furnishing and installing water transmission main pipe and fittings at the locations and alignments shown on the Plans and to the details given.

Prior to ordering the pipe, the Contractor shall perform the necessary potholes for the construction of the 30-inch diameter water transmission main in H Street and provide pothole information to the Engineer to determine and identify any conflicts with existing utilities. Once the pothole information has been submitted to the Engineer, the City will require a maximum of three weeks to redesign and identify any relocations by other utility companies. The Engineer reserves the right to modify the design of the proposed water transmission main after the receipt of the pothole information at no extra cost to the Project. Pothole locations are identified on the plans and the number may change based on USA markings. If there's a need for utility relocations, the Contractor shall coordinate with that Utility and allow time for the required relocations. 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. All surface restoration, including striping, whether concrete, landscaping, asphaltic concrete, or any other material as specified in these Special Provisions, shown on the Plans, and as encountered on the job site, shall be included with this item unless otherwise specified.

Payment shall be at the contract unit price bid per linear foot of water transmission main 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 including pavement cutting and removal, trenching, furnishing and placing pipe, backfilling, pressure testing, disinfecting, and repaving or other surface restoration.

Item No. 54 Abandon Existing 6 inch Diameter Cast Iron Pipe

Existing 6-inch cast iron pipe underneath building at 3349 J Street shall be plugged and the entire length of the pipe completely filled to the top with air blown sand where shown on the Plans and in accordance with these Special Provisions.

Both ends of the abandoned pipe shall be exposed and opened, including connections to the water mains or any other connections or openings and shall be grouted full for the end twenty-four inches of length with 2 sack, Portland cement concrete.

Cut pipe removed during this procedure shall become the property of the Contractor and shall be disposed of at the Contractor's expense.

This item shall also include the abandonment of valves, fittings and other appurtenances which are connected to the existing water pipe and encountered while abandoning the water pipe.

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 unit price bid per linear foot of abandoned existing 6-inch water pipe 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. 55 Cap Existing Water Pipes and Abandon Existing 16 inch Diameter Cast Iron Pipe

Item No. 56 Cap Existing Water Pipes and Abandon Existing 20 inch Diameter Cast Iron Water Pipe

Item No. 57 Cap Existing Water Pipes and Abandon Existing 24 inch Diameter Welded Steel Water Pipe

Existing 16, 20 and 24-inch steel water pipes shall be abandoned and the entire length of the pipe completely filled to the top with air blown sand where shown on the Plans and in accordance with these Special Provisions. Pipe material may vary from Welded Steel to Cast Iron.

Both ends of the abandoned pipe shall be exposed and opened, including connections to the water mains or any other connections or openings and shall be grouted full for the end twenty-four inches of length with 2 sack, Portland cement concrete. Material shall be introduced into the abandoned pipe no more than 400' apart and a test port shall be placed at the midpoint to determine if the material introduced into the pipe successfully filled the pipe. If the pipe to be abandoned is not filled at the test port, the interval between the two locations where material is introduced into the pipe will be shortened by 100' intervals until the Engineer determines the operation is successful.

This item shall include the cut and caps on the existing water piping system required to place the transmission main and the removal of these to perform the connection to the proposed pipe.

Cut pipe removed during this procedure shall become the property of the Contractor and shall be disposed of at the Contractor's expense.

This item shall also include the abandonment of valves, fittings and other appurtenances which are connected to the existing water pipe and encountered while abandoning the water pipe.

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 unit price bid per linear foot to abandon the existing 16, 20 or 24-inch water pipes 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. 58 24-Inch Diameter Butterfly Valve to Furnish and Install

Item No. 59 30-Inch Diameter Butterfly Valve to Furnish and Install

This item shall consist of furnishing and installing butterfly valves at the locations indicated on the Plans, to the lines, grades, and details given.

Included in this item is the removal and disposal of the existing gate valves and vaults as shown on the Plans.

All clearing, trench excavation, backfilling, and surface restoration required for installation of the butterfly valves shall be included in the unit cost of furnishing and placing the water main pipe.

Payment shall be at the contract unit price bid for each butterfly 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. 60 2-Inch Air Vacuum and Release Valve with Enclosure to Furnish and Install

This item shall consist of furnishing and installing air vacuum and release valves at the locations indicated on the Plans per detail No.W-802.

All clearing, trench excavation, backfilling, and surface restoration required for installation of this item shall be included in the unit cost of furnishing and installing 2-Inch Air Vacuum and Release Valve with Enclosure.

Payment shall be at the contract unit price bid per each air vacuum and release valve furnished and Installed and shall include full compensation for furnishing all labor, material, enclosure, tools and equipment, and for performing all work necessary to complete this item in place.

Item No. 61 Access Manhole to Furnish and Install

This item shall consist of furnishing and installing access manholes at the locations indicated on the Plans. Surface restoration associated with this bid item shall be included.

Payment shall be at the contract unit price bid per each access manhole furnished and installed and shall include full compensation for furnishing all labor, material, tools and equipment, and for performing all work necessary to complete this item in place.

Item No. 62 Corrosion Monitoring System to Furnish and Install

This item shall consist of furnishing all plant, labor, equipment and materials to install the corrosion monitoring system, as shown on the Plans and as specified herein.

Payment shall be at the contract lump sum price bid for furnishing and installing the corrosion monitoring 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. 63 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. 64 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 the following intersections: Folsom Blvd and 36th St, Folsom Blvd and 39th St, J St and 33rd St, J St and 36th St, J St and 39th St, J St and 40th St, H St & 33rd St, and at H St & 39th St as described in these Special Provisions. This item includes the replacement of detector loops, detector cables, detector hand holes, conduit, surface restoration and all work shall conform to the requirements of the City Standard Specifications dated June 2007.

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. 65 <u>Connection to Existing Transmission Main Water System</u>

This item shall consist of furnishing all labor, equipment, and materials to make the tie-in connections, including but not limited to, valves, couplings and fittings, from the existing transmission main system to the new transmission systems as shown on the Plans.

Connections made between different phases of the work outlined in these contract specifications shall not be considered an “existing connection”.

The Contractor shall pothole tie-in locations to locate existing water mains.

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.

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 lump sum price bid for connecting from the existing transmission main system to the new transmission systems 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

Location Description Examples and Abbreviations

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 B

Notification Letters

Installing New Water Meter (Retrofit) [Distribute 7 working days prior to beginning work]

(CITY LETTER HEAD)
Dear Resident,

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. Access to your driveway may be temporarily restricted when construction takes place in front of your house. At the end of each work day, we will backfill the trench, place temporary paving or place steel plates over trench, and open all lanes of traffic to the public. Our work hours are typically between 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.

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) [Distribute 24 hours prior to beginning work]

(CITY LETTER HEAD)

Dear Resident,

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.

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 in lieu of final concrete around the meter, sidewalk and/or the driveway. This will be replaced with a finished concrete within the duration of the project.

At the end of each work day, disturbed landscape or sidewalk panels will be backfilled or temporarily paved or covered until the area can be properly restored.

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.

Constructing Water Main (Work in Public Streets or Right of Way): [Distribute 7 working day prior to beginning work]

(CITY LETTER HEAD)

Dear Resident,

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. Access to your driveway may be temporarily restricted when construction takes place in front of your house. At the end of each work day, we will backfill the trench, place temporary paving or place steel plates over trench, and open all lanes of traffic to the public. Our work hours are typically between 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. 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

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 Streets or Right of Way): [Distribute 24 hours prior to beginning work]

(CITY LETTER HEAD)

Dear Resident,

The City of Sacramento, Department of Utilities has commenced with the 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**. 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: [Distribute 7 working day prior to beginning work]

(CITY LETTER HEAD)

Dear Resident,

(Contractor) has completed construction of the water main in your neighborhood. The next phase of our work requires construction of a new water service from the new water main in the street to your home.

The Contractor will need access to your yards on (include date(s)) **between the hours of 7:30 AM and 3:30 PM**

We will need access to your frontyard and backyard to complete this work. Please provide access to your yards 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.**

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: [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 our work requires construction of a new water service from the new water main in the street to your home.

The Contractor will need access to your yards on (include date) **between the hours of 7:30 AM and 3:30 PM**

We will need access to your frontyard and backyard to complete this work. Please provide access to your yards 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.**

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: [Distribute 7 working days and 24 hours prior to obtaining access to property]

(CITY LETTER HEAD)

Dear Resident,

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.

We will need access to your backyard several times over the course of this project and will notify you prior to each visit. 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.**

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: [Distribute 7 working day prior to beginning work]

(CITY LETTER HEAD)

Dear Resident,

(Contractor) has completed construction of the water main in your neighborhood. The next phase of our work 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 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.**

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: [Distribute 24 hours prior to beginning work]

(CITY LETTER HEAD)

Dear Resident,

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.

We will 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.**

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: [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 our work 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.

APPENDIX C

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 days prior to scheduled work.**

DATE BIDS DUE:

DATE OF AWARD:

WHO (Project Name and PM Name):

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 D

Schedule of Services

STREET _NBR	STREET_NAM	(E)Tap Size	(E) CORP STOP LOCATION	(E) CURB STOP LOCATION	STATUS	(P) METER BOX LOCATION
200	32ND ST	1.0		100' WWC of 32nd Street, 1' SNPL of Alley	NO METER	CONC ALLEY
208	32ND ST	1.0	9' S of N Alley Line	on NPL of Alley - 79' 3" W of WPL of 32nd Street and in Standpipe	NO METER	CONC ALLEY
209	32ND ST	0.75		104' EEC of 32nd Street NPL of Alley	NO METER	CONC ALLEY
216	32ND ST	1.0	91' S of N Alley	NPL of Alley - 80' W of WPL 32nd Street in Standpipe	NO METER	CONC ALLEY
217	32ND ST				NO METER	CONC ALLEY
224	32ND ST	0.75		69' WWC of 32nd Street, 1' SNPL of Alley in Standpipe	NO METER	CONC ALLEY
225	32ND ST	0.75		52 1/2' EEPL OF RES	NO METER	CONC ALLEY
232	32ND ST	1.0	33' WW curb of 32nd Street	SPLof Alley	NO METER	CONC ALLEY
233	32ND ST	1.0	44' EEPL of 32nd Street, 37' WELL	SPL oF Alley	NO METER	CONC ALLEY
240	32ND ST	1.0		13' WWC of 32nd Street SPL of Alley	NO METER	CONC ALLEY
241	32ND ST	0.75	80 1/2' EEPL of 32nd Street & 102' EEC, 1' WELL of 233 32nd Street	80' EEPL - 10 1/2' EEC of 32nd Street & 18' WELL of 233 32nd Street	NO METER	CONC ALLEY
316	32ND ST	0.75		102' WWC of 32nd Street NPL of Alley	NO METER	CONC ALLEY
317	32ND ST	0.75		103' EEC of C Street on NPL of Alley	NO METER	CONC ALLEY
324	32ND ST	0.75	2' SNPL of Alley - 29' EWLL	on NPl of Alley - 2' EWLL	NO METER	CONC ALLEY
325	32ND ST	0.75		52 1/2' EEPL of 32nd St 1' NNPL of Alley	NO METER	CONC ALLEY
332	32ND ST	1.0	70' WWC of 32nd St, 1' SSPL of Alley	71' WWCb of 32nd Street, 8' SNPL of Alley, Gate Valve 71' WWCb of 32nd Street SPL of Alley	NO METER	CONC ALLEY
333	32ND ST	1.0	14' NSPL of Alley - 75' EEC of 32nd Street	On SPL of Alley - 75' EEC of 32nd Street	NO METER	CONC ALLEY
340	32ND ST	1.0	71' WWC of 32nd St, 1' SNPL of alley	72' WWCb of 32nd 8' SSPL of Alley in S/P	NO METER	CONC ALLEY
341	32ND ST	0.75	48' WWPL 32nd Street	SPL C and D Alley	NO METER	CONC ALLEY
417	32ND ST	0.75		100' EEC of 32nd Street 1' SNPL of Alley	NO METER	CONC ALLEY
424	32ND ST				NO METER	UNIMPROVED ALLEY
425	32ND ST	1.0		82' EEC of 32nd Street NPL of the Alley	NO METER	CONC ALLEY
432	32ND ST	0.75	34' WWPL 32nd Street	SPL Alley	NO METER	UNIMPROVED ALLEY
433	32ND ST			22 1/2' EEC of 32nd SPL of Alley Back of Sidewalk	NO METER	CONC ALLEY
440	32ND ST	0.75	105' WWC of 32nd Street 11' NSPL of Alley	103' WWC of 32nd SPl of Alley in C/S box	NO METER	UNIMPROVED ALLEY
441	32ND ST	0.75	60' EEPL of 32nd Street	SPL of Alley	NO METER	CONC ALLEY
1208	32ND ST	0.75	1 1/2' tap is 55' EEPL 32nd Street	66' EEC 32nd Street 1' SSC Street, Back of So curb 14' EEPL 32nd St.	parking lot	N/A
1216	32ND ST				parking lot	N/A
1219	32ND ST	1.0		16 1/2' NSLL 1' EEC of 32nd Street in Standpipe	NO METER	PARK STRIP
1222	32ND ST	0.75	6' EWC, 1' SNLL	4' SNLL, 1/2' WWC	NO METER	PARK STRIP
1224	32ND ST	0.75	144' SSPL L Street	W curb 32nd Street	NO METER	PARK STRIP
1225	32ND ST	1.0	12' NSLL - 6' EWC 26' SNLL, 7' EWC (1/13/06)	29'SNLL- 1' EEC of 32nd Street in s/p	NO METER	PARK STRIP
1235	32ND ST	1.0		EPL of 32nd Street	METERED	N/A
1236	32ND ST	1.0	174' SSPL of L Street	29' NS lot line - 11/2' Back of WC	NO METER	PARK STRIP
1240	32ND ST	0.75		7 1/2' NSLL & 1' WWCb of 32nd Street	NO METER	PARK STRIP
1241	32ND ST	0.75	7' EWC 32nd Street at Main	38' NSLL,2' SNLL, 1' EEC of 32nd Street in sp	METERED	N/A
1248	32ND ST	1.5	64' NSLL - 17' SNLL 6' EWC 32nd Street	Same & 3' WWC 32nd Street	METERED	N/A
1249	32ND ST	1.0		18' NSLL, 1' EEC of 1249 32nd St	METERED	N/A
1261	32ND ST	1.0		10' NSLL - 1' EEC in Box 1) 13' nsll - 1' wwc in c/s box (6/12/07)	NO METER	PARK STRIP
1272	32ND ST	0.75	22' NNC of M Street - 6' EWC of 32nd Street	2) 22' NNC of M Street on WC of 32nd Street in Box	NO METER	PARK STRIP
1273	32ND ST	1.0		54' EWC 32nd Street 1' NNC M Street	METERED	N/A
1284	32ND ST	1.0		13' SNLL 1' WWC of 32nd Street in standpipe	NO METER	PARK STRIP
1301	32ND ST			101' EEPL o/32nd St - 1' SSC o/M St	NO METER	PARK STRIP
1304	32ND ST				UNKNOWN	PARK STRIP
1308	32ND ST				UNKNOWN	PARK STRIP
1311	32ND ST	1.0		23' NSLL - 17' SNLL 1' EEC of 32nd Street	NO METER	PARK STRIP
1316	32ND ST	1.0	34' 6" SSPL M Street 41' SSPL M Street Rosa	Same as corp cock - 29' 6" NSLL, 1' WWC 32nd Street	METERED	N/A
1319	32ND ST	1.0		3' NSLL 1' EEC - located & shutt off curb stop	NO METER	PARK STRIP
1325	32ND ST	1.0	120.5 S.SPL of M Street	Back of E Curb of 32nd Street	NO METER	PARK STRIP
1332	32ND ST	1" (1.5 Lead)		Valve is - 8' SNPL of Lot 3' WWPL of 32nd Street	UNKNOWN	PARK STRIP
1335	32ND ST	1.0		5 1/2' NSLL Back of Walk 1' EEC	NO METER	PARK STRIP
1341	32ND ST	0.75		130 1/2' NNPL of Folsom Bl Valve is in Back of Curb	NO METER	PARK STRIP
1355	32ND ST	1.0		Tap is 130' NNPL of Folsom Bl Valve in Back of Curb	NO METER	PARK STRIP
100	33RD ST	1.0	24' WEC of 33rd 26' SNPL of 33rd	20' WEC of 33rd Street 1' NNPL of 33rd	NO METER	LAWN
146	33RD ST			2' WWC of 33rd 6' NSLL in Box	NO METER	LAWN
148	33RD ST			3' WWPL of 33rd 3' SSLL 1) 1' WWC o/33rd - 13' NSLL in meter box (5/11/06)	NO METER	LAWN
216	33RD ST	1.0	16' EWC o/33rd - 13' NSLL (5/11/06)	2) 97' WWC of 33rd, on NPL of alley in C/S box	METERED	N/A
228	33RD ST				NO METER	CONC ALLEY
232	33RD ST				NO METER	PARK STRIP
240	33RD ST	1.0	15' WWC 33rd Street 6' EWPL 33rd Street	Same as corp cock - at SPL Alley	NO METER	PARK STRIP
250	33RD ST	1.0	7 1/2" EWPL of 33rd Street 15' WWC of 33rd Street	1' SSPL of Alley 14' WWC of 33rd Street in box	NO METER	PARK STRIP
316	33RD ST	1.0	8' SNPL of Alley 13' WWC of 33rd Street	2' SNPL of Alley 13' WWC of 33rd Street	NO METER	CONC ALLEY
317	33RD ST				NO METER	SIDEWALK
321	33RD ST	1.0	15' 6" SNLL 36' EEC	17' 6" SNLL 36' EEC - In Planter in S/P	NO METER	SIDEWALK
324	33RD ST	0.75		68 1/2' WWC of 33rd Street NPL of Alley 1) 55' wwc o/33rd St on spl o/alley (6/12/07) 2) 2' EWLL - 1' SSPL of alley (11/8/06)	METERED	N/A
332	33RD ST	0.75		3) SO at SPL of Alley 31' WWPL of 33rd Street	NO METER	CONC ALLEY
335	33RD ST	1.0		19' SNLL 2' WELL in Rear	NO METER	LAWN
340	33RD ST	1.0	6' E of WPL of 33rd Street	16' W of W Curb of 33rd Street and at SPL of Alley	NO METER	PARK STRIP
345	33RD ST	1.0	261' SSPL C Street	West line Rt of Way	NO METER	LAWN
348	33RD ST				METERED	N/A
355	33RD ST	1.0	18' NSPL of lot	3' W of Main, E lot Line	NO METER	LAWN
363	33RD ST		18' SNLL 3' EWLL	18' SNLL 1' WELL	NO METER	LAWN
375	33RD ST	1.0		2' WEPL 18' SNLL in S/P	NO METER	LAWN
400	33RD ST			12' WWCb of 33rd Street NPL of Alley	METERED	N/A
401	33RD ST	1.0		6' WEPL & 14' NSLL 37' SNLL 401 33rd Street	NO METER	LAWN
417	33RD ST	1.0		19' SNLL 1' WELL	NO METER	LAWN
420	33RD ST	0.75		101 1/2' WWC 33rd Street NPL Alley 3' EWLL 1) 28' snll - 2' well in box (7/5/07)	NO METER	CONC ALLEY
421	33RD ST	0.75		2) 19' NSLL on EPL in Rear	NO METER	LAWN
424	33RD ST	0.75		84' WWC 33rd Street 20' EWLL NPL Alley	NO METER	CONC ALLEY
431	33RD ST	1.0		18' NSLL & 2' WELL	NO METER	LAWN
432	33RD ST	1.0		33'WWC 33rd 2' SSPL of Alley in S/P	NO METER	CONC ALLEY
440	33RD ST	0.75		81' WWPL of 33rd Street Service Cock at South Alley Line	NO METER	CONC ALLEY
441	33RD ST	1.0	15' N of SLL - 34' S of NLL - Replaced 3/4 corp with 1"	2' W of ELL	NO METER	LAWN
443	33RD ST	0.75	64' NNPL of McKinley Blvd	West Rt of Way	NO METER	LAWN
577	33RD ST	1.5	26' NSLL, 4' WEPL under garage.	26' NSLL, 8' WEPL in S/P 1) 3' WEPL, 15' NSLL in meter box (8/18/05)	NO METER	SIDEWALK
585	33RD ST	0.75	14' NSLL 2' WEPL of 585 33rd Street	2) 14' NSLL - 2' WEPL o/address - 143' SSPL o/Parkway	NO METER	SIDEWALK
593	33RD ST	1.0	185' S of S pr Line of Park Way	West Line of Rt of Way	NO METER	SIDEWALK
601	33RD ST	1.0		14' NSLL 7' WELL	NO METER	SIDEWALK
609	33RD ST	1.5		16'SNLL-6'WELL in s/p	NO METER	SIDEWALK
617	33RD ST	1.0	2' W of Main 5' WELL	5' SNLL 35' NSLL 3' WELL	NO METER	SIDEWALK
625	33RD ST	1.0	26.5' SNLL, 5' WELL (3/21/06)	1) 26.5' SNLL, 8' WELL in meter box (3/21/06)	METERED	N/A
633	33RD ST	1.5	21' NSLL 4' WEPL in ROW	21' NSLL 7' WEPL in ROW in S/P	NO METER	SIDEWALK

641	33RD ST	1.0	21' NSLL 2' WELL	27' NSLL 7' WELL	NO METER	SIDEWALK
649	33RD ST	1.0	6' SNLL 6' WEPL	6' SNLL 5 WEPL	NO METER	SIDEWALK
701	33RD ST	1.0	280' NNPL H Street	West Line of Rt of Way	NO METER	SIDEWALK
711	33RD ST	1.0	2' NSLL 5 WEPL	4' WELL 6' SNLL in Box	NO METER	SIDEWALK
717	33RD ST	1.0	22' SNLL 6' WELL	28' NSLL 23' SNLL 6 1/2' WELL	NO METER	SIDEWALK
725	33RD ST	1.0		28' SNLL 6' WEPL 24' NSLL in Box	NO METER	SIDEWALK
733	33RD ST	1.0		22' NSPL of Lot 3' W of Main 6' WELL Replaced 1' Broken Wheel Valve		SIDEWALK
741	33RD ST	1.5		5' WEPL 5' SNLL in S/P	NO METER	SIDEWALK
826	33RD ST	0.75	112' NNPL I Street	WPL 33rd Street	NO METER	SIDEWALK
827	33RD ST	1.50		68' WELL, 6' SNLL in C/S box	NO METER	SIDEWALK
845	33RD ST	1.5	13' NSLL 23 1/2 ' WEC of 33rd Street	WV: 13' NSLL, 6' EEC in Standpipe	NO METER	SIDEWALK
851	33RD ST	0.75	32' SNPL of I Street	EPL of 33rd Street	NO METER	SIDEWALK
857	33RD ST	0.75	19' NSLL 23' SNLL 29' WEPL of 33rd Street	19' NSLL 23' SNLL 5' EEC of 33rd Street	NO METER	SIDEWALK
871	33RD ST	0.75	63' EEPL 33rd Street	NPL	NO METER	SIDEWALK
900	33RD ST	1.0		21' SSC of I Street & 4' WWC of 33rd Street in C/S Box	NO METER	SIDEWALK
				1) 3' NSLL, 4' WWC (7/19/05)		
902	33RD ST			2) 45' SNLL 5' NSLL 5' WWC of 33rd Street	NO METER	SIDEWALK
904	33RD ST	1.0		20' 6" WWPL of 33rd Street - Tap on Main leads to 900 33rd Street	NO METER	SIDEWALK
906	33RD ST	1.0		8' NSLL 33' SNLL 11' EWPL of 33rd Street	NO METER	SIDEWALK
908	33RD ST	1.0	40' SNLL	on SLL, 1' behind sidewalk	NO METER	SIDEWALK
910	33RD ST	1.0		26' SNLL 5' WWC in Box	NO METER	SIDEWALK
916	33RD ST	1.0	111' S of S curb of I Street	WPL of 33rd Street - 17' N of S lot Line	NO METER	SIDEWALK
				1) 23' SNLL - 5' EEC of 33rd St. in box (05/02/06)		
919	33RD ST	1.0	11' S of S Curb of I Street	2) EPL of 33rd Street - 16' N of S lot Line	NO METER	SIDEWALK
924	33RD ST	1.0	WPL of 33rd st- 18' SNLL	21' SNLL- 1'behind sidewalk	NO METER	SIDEWALK
925	33RD ST	0.75		40 1/2' SNLL - 4 1/2' EEC of 33rd Street	NO METER	SIDEWALK
927	33RD ST				NO METER	SIDEWALK
932	33RD ST	0.75		25' NSLL 5' WWC of 33rd Street	NO METER	SIDEWALK
940	33RD ST	1.0		123' NNPL of J Street 6' WWC of 33rd Street	NO METER	SIDEWALK
941	33RD ST	0.75		6' EEC of 33rd	NO METER	SIDEWALK
949	33RD ST	1.0		33' NSLL Back of Sidewalk	NO METER	SIDEWALK
				1) 9' SNLL back of walk (08/09/05)		
952	33RD ST	1.0		2) 31' SNLL, 9' NSLL (Old)	NO METER	SIDEWALK
962	33RD ST	0.75	9' NSLL & 28' WEPL of 33rd Street	9' NSLL 2' EEPL of 33rd Street	NO METER	SIDEWALK
964	33RD ST	1.5		25' NNC of J Street - 6' WWC	NO METER	SIDEWALK
1023	33RD ST	1.0		20' SNLL and EC of 33rd Street in Standpipe	NO METER	PARK STRIP
1028	33RD ST				NO METER	PARK STRIP
1029	33RD ST	1.0	151' SSPL of J Street	E Curb line of 33rd Street	NO METER	PARK STRIP
				1) 1 1/2' NSLL - 1' WWC in meter box (7/10/06)		
			1) 2' NSLL - 6' EWC (7/10/06)	2) 3' NSLL - 3' WWC in c/s box (6/2/06)		
1038	33RD ST	1.0	2) 250 A SSPL J Street	3) 246 A SSL of J Street Back of Curb 33rd	NO METER	PARK STRIP
1039	33RD ST	1.5	7' EWC of 33rd Street & 29 1/2' NSLL	22' SNLL 1' EEC of 33rd Street In Standpipe	NO METER	PARK STRIP
				1) 1' SNLL - 2' WWC in c/s box (6/5/06)		
1040	33RD ST	1.5	At Main 7' EWC of 33rd Street	2) 2' WWC o/33rd - 1' SNPL o/1040 33rd Street	NO METER	PARK STRIP
1043	33RD ST			35' SNLL 1' EEC 33rd Street, 9'NSLL in a box	NO METER	PARK STRIP
1049	33RD ST	0.75	19' 6" SNLL 20' NSLL & 7' EWC of 33rd Street	19' 6" SNLL 20' NSLL & 8' EEC of 33rd Street	NO METER	PARK STRIP
1100	33RD ST			35' SNLL or 1' NSLL 1' WWC of 33rd Street	NO METER	PARK STRIP
1103	33RD ST	1.0	46' SNLL on SLL 7' EWC of 33rd Street Back of Walk		NO METER	PARK STRIP
1107	33RD ST	1.0	32' NSLL 2' SNLL 7' EWC of 33rd Street	3' SNLL 2' EEC	NO METER	PARK STRIP
1108	33RD ST	1.0		250.5 NNPL of 7' L Street	UNKNOWN	PARK STRIP
1111	33RD ST	1.0	179' N of NPL of L Street	Back of E Curb of 33rd Street - 4' S of N lot Line	NO METER	PARK STRIP
1114	33RD ST	1.0		11' SNLL at Curb Line	NO METER	PARK STRIP
1117	33RD ST	1.0	100.5 N of NPL of L Street	Back of E Curb of 33rd Street - S lot Line	NO METER	PARK STRIP
1120	33RD ST	1.0		18' SNLL 1' WWC of 33rd	NO METER	PARK STRIP
1124	33RD ST	0.75	13' NSLL - 6' EWC	13' NSLL - 1' WWC in box	NO METER	PARK STRIP
1125	33RD ST	1.0	100' N of NPL of L Street	Back of E Curb of 33rd Street - N lot Line	NO METER	PARK STRIP
1130	33RD ST	1.0	69' N N curb of L Street 6' N of SLL	W curb of 33rd Street	NO METER	PARK STRIP
1139	33RD ST	1.0		39' NNC of L Street 1' EEC of 33rd Street 23'SNLL in box.	NO METER	PARK STRIP
1140	33RD ST	1.0		33' SNLL,1' WWC of 33rd Street	METERED	N/A
1200	33RD ST	0.75	10' SSPL of L Street	West curb back of curb 33rd Street	NO METER	PARK STRIP
1201	33RD ST	1.0	55.5 S of SPL of I Street See RO. 2394	1' E of E Curb of 33rd Street	NO METER	PARK STRIP
1208	33RD ST	1.0	5' 6" EWC 33rd Street - 11' NSLL	1' 6" WWC 33rd Street 11' NSLL	NO METER	PARK STRIP
1216	33RD ST	.75	13' NSLL 6' EWC	11' NSLL, 1' WWC in a box	NO METER	PARK STRIP
1219	33RD ST	1.0	114.5 S of S Curb of L Street	Back of E Curb of 33rd Street - 12.5 S of N lot Line	NO METER	PARK STRIP
1223	33RD ST	1.0	170.5 S of SPL of L Street	Back of E Curb of 33rd Street - S line of Lot	NO METER	PARK STRIP
1224	33RD ST	1.0	133' S of SPL of L Street	Back of W Curb of 33rd Street 11.5 S of N lot Line	NO METER	PARK STRIP
1231	33RD ST	1.0	12'SNLL, 6'EWC of 1232 33rd St	12'SNLL, 2' EEC of 33rd St in meter box	NO METER	PARK STRIP
1232	33RD ST	0.75		13' NSLL Back of Curb	METERED	N/A
1237	33RD ST	1.0		4' NSLL Back of Curb in Standpipe	NO METER	PARK STRIP
1241	33RD ST	1.0		2' NNLL of ECb of 33rd Street	NO METER	PARK STRIP
				1) 13' NSLL BACK O/WALK (1/28/06)		
1242	33RD ST	1.0	175' N of NPL of N Street	2) Back of W Curb of 33rd St - 13' NSLL	NO METER	PARK STRIP
1245	33RD ST	1 + m	2' NSLL 31' WEC of 33rd Street	2' NSLL 2' EEC of 33rd Street	METERED	N/A
1249	33RD ST	1.5	93 1/2' NNC of M Street 30' SNLL	1' EEC @ NLL, in meter box	NO METER	PARK STRIP
1250	33RD ST	0.75	10 1/2' SNLL 5 1/2' EWC of 33rd Street	15' NSLL 1' WWC of 33rd Street in C/S Box	NO METER	PARK STRIP
1255	33RD ST	1.0	56' EEPL of 33rd Street on 4" Main	0.5' S of Sidewalk	NO METER	PARK STRIP
1260	33RD ST	1.0		16' SNLL 2' Behind Curb	NO METER	PARK STRIP
1278	33RD ST	1.0	46' WWPL 33rd Street - 57' WWC 33rd Street	Same as corp cock - 14" NNC M Street	NO METER	PARK STRIP
1302	33RD ST	1.0	38' S of SPL of M Street	Back of W Curb of 33rd Street 3' N of S Line of Lot	NO METER	PARK STRIP
1310	33RD ST	1.0	6' EWC 11' SNLL	2' WWC 11' SNLL in Box	NO METER	PARK STRIP
1316	33RD ST	0.75		On NPL of 1316 35th Street 6' WWC of 35th St in Meter Box	NO METER	PARK STRIP
1317	33RD ST	1.0	6' EWC of 33rd Street, on NLL of 1317 33rd st	2' EEC, on NLL of 1317 33rd St in box	NO METER	PARK STRIP
1321	33RD ST	1.0		1' NSLL 2' EEC in c/s box	NO METER	PARK STRIP
1324	33RD ST	1.0		10' NSLL & 1 WWC	METERED	N/A
1327	33RD ST	1.0		17' NSLL 2 1/2 ' EEC in Box	NO METER	PARK STRIP
1332	33RD ST	0.75	184' SSPL M Street 15' NSLL	24' SNLL - 1' WWC 33rd Street, Back of W Curb 33rd Street	NO METER	PARK STRIP
1333	33RD ST	1.5	36' EE Curb of 33rd Street, 25' EEPL of 33rd Street	1' N of Curb Line	NO METER	PARK STRIP
1340	33RD ST	1.0	31' N of N Curb of N Street	Back of W Curb of 33rd Street 15' N of S lot Line	NO METER	PARK STRIP
1400	33RD ST	0.75	10'NSLL, 30'SNLL, 6'EWC of 33rd St	9' NSLL, 33'SNLL, 3' WWC of 33rd Street in Box.	NO METER	PARK STRIP
1401	33RD ST	0.75	4' EEPL 33rd Street Replaced 5/1/1941	SPL	NO METER	PARK STRIP
				1) 14 1/2' SNLL - 2' WWC in box (8/16/06)		
1408	33RD ST	1.0	14' SNLL - 26' NSLL - 6' EWC 33rd Street	2) Same & 1' WWC 33rd Street	NO METER	PARK STRIP
1409	33RD ST	1.0	50' SSC of N Street, 34' NSLL	Same as location & at EC of 33rd Street	NO METER	PARK STRIP
1416	33RD ST	1.0	35 1/2' SSC N Street - 6' EWC 33rd Street	Same & 1' WWC 33rd Street	NO METER	PARK STRIP
			1) 6' EWC 33RD ST., 3' SNLL (7/15/06)	1) 1' EEC 33RD ST, 3' SNLL (7/15/06)		
1423	33RD ST	1.0	2) 6' SNLL, 31' WEC of 33rd St	2) 6' SNLL, 2' EEC in box	NO METER	PARK STRIP
1425	33RD ST	1.0		Tap 143 1/2' NNCb of Folsom Blvd Valve 5 1/2' SNPL of Lot, ECb of 33rd Street	NO METER	PARK STRIP
1430	33RD ST	1.0		2' NSLL 1' EEC Winrd Water Off	NO METER	PARK STRIP
310	34TH ST	1.5	1' SNLL & 49' NSLL & 9' EWPL of 324 - 34th Street	1' NSLL & 49' NSLL & 5' EWPL of 34 - 34th Street	NO METER	SIDEWALK
324	34TH ST				NO METER	SIDEWALK
325	34TH ST	1.0		25' SNLL 2' WELL in S/P	NO METER	SIDEWALK

334	34TH ST	1.0	211' SSPL of C Street	East Rt of Way	NO METER	SIDEWALK
335	34TH ST	1.0		22' SNPL of 34th Street	NO METER	SIDEWALK
344	34TH ST	1.0	26' 6" SNLL 23' 6" NSLL 4' 6" EWLL	26' 6" SNLL 23' 6" NSLL 8' 6" EWLL in box	NO METER	SIDEWALK
				1) 17' SWLL - 3' WELL (8/28/06)		
345	34TH ST	1.0	247' SSPL C Street 251' 6" SSC C Street	2) 15' SNLL, 2' 6" WELL	NO METER	SIDEWALK
				1) 21' SNLL, 12' EWPL in ROW (11/17/05)		
354	34TH ST	1.0	303' SSPL C Street	2) At E line of Rt of Rt of Way	NO METER	SIDEWALK
355	34TH ST	0.75	321' So SPL C Street	West Rt of Way	NO METER	SIDEWALK
364	34TH ST	1.0		18' NSLL, 7' EWPL	NO METER	SIDEWALK
365	34TH ST	0.75	22' NSLL- 3' EEPL of 365 34th St	22' NSLL 1' WEPL in ROW- 28 1/2' SNLL	NO METER	SIDEWALK
374	34TH ST	1.0	20' SNLL 2' EWPL ROW		NO METER	SIDEWALK
375	34TH ST	1.0	378' NNPL McKinley Blvd	West line of Rt of Way	NO METER	SIDEWALK
400	34TH ST	1.0	2' 6" EWPL in Right of Way	12' 6" NSLL - 38' 6" SNLL - 6" EWPL in Right of Way	NO METER	SIDEWALK
401	34TH ST	1.0		24' NSLL 2' WEPL in Standpipe	NO METER	SIDEWALK
410	34TH ST	0.75		28' NSLL 7' EWLL	NO METER	SIDEWALK
411	34TH ST	1.0		14 1/2' NSLL 16" EELL in Standpipe	NO METER	SIDEWALK
420	34TH ST	0.75	213' NNPL of E Street	East Rt of Way	NO METER	SIDEWALK
421	34TH ST	1.0	24' NSLL 5' EELL	145' EEC of 34th Street Approx 2' deep 25' NSLL 3' WELL	NO METER	SIDEWALK
430	34TH ST	1.0	4' EWLL 9' NSLL	7' EWLL Same	NO METER	SIDEWALK
431	34TH ST	1.0		14' NSLL 6' WEPL of lot	NO METER	SIDEWALK
440	34TH ST	1.0		23' SNLL 7' 6" EPL in ROW	NO METER	SIDEWALK
441	34TH ST	0.75		30' SNLL 1' EELL	NO METER	SIDEWALK
450	34TH ST	1.0	Same as curb stop except 4' 5" EWN of lot	24' NSLL 26' SNLL 7' 5" EWPL of lot ROW	NO METER	SIDEWALK
451	34TH ST	1.0		21' NSLL on EPL of lot	NO METER	SIDEWALK
460	34TH ST	1.5	44' 6" NNC of McKinley Bl or 14' SNLL & 4' EWPL of 34	44' 6" NNC of McKinley Bl or 14' SNLL 4' 6" EWPL of 34th Street	NO METER	SIDEWALK
461	34TH ST	1.0	16' SNLL, 1' WEPL	16' SNLL, 4' WEPL in standpipe	NO METER	SIDEWALK
569	34TH ST	1.0	47' South of SPL Parkway	East Side of Rt of Way	NO METER	LAWN
				1) 53' SSC o/Park Wy - 3' EWPL o/alley ROW (6/13/06)		
570	34TH ST	1.0	5 1/2' NSLL 2' WWLL	2) 5 1/2' NSLL in ROW - 2' EWLL in box	NO METER	LAWN
				1) 16.5' NSLL, 3.5' EWPL in c/s box (2/16/06)		
				2) 1.5" WV loc: 16.5' NSLL, 4' EWLL (2/15/06)		
576	34TH ST	1.5	16.5' NSLL on WPL (2/16/06)	3) East Rt of Way	NO METER	SIDEWALK
				1) WV: 10' NSLL, 6' WELL (5/31/05)		
577	34TH ST	1.5	94' SSPL of Park Way	2) West Rt of Way	NO METER	SIDEWALK
584	34TH ST	1.0	14' NSLL 2' WEPL of 585 33rd Street	22' SNLL 1' EWPL in ROW	NO METER	SIDEWALK
585	34TH ST	1.0		10' SNLL 5' WELL in box	NO METER	SIDEWALK
592	34TH ST	1.0		3' EWPL, 10' SNLL in ROW in c/s box	NO METER	SIDEWALK
593	34TH ST	1.5		10 1/2' NSLL & 6' WELL	NO METER	SIDEWALK
600	34TH ST	0.75	17' 6" SNLL	17 1/2' SNLL on WPL in C/S box	NO METER	SIDEWALK
601	34TH ST	1.0	9' SNLL & 42' NSLL & 2' WEPL	10' SNLL & 41' NSLL & 4' WEPL	NO METER	SIDEWALK
608	34TH ST	1.0		20' SNLL & on WPL of 34th Street	NO METER	SIDEWALK
609	34TH ST	0.75	262' SSPL of F Street	E Rt of Way	NO METER	SIDEWALK
615	34TH ST		11' NSLL 5' WELL	11' NSLL 2' WELL	NO METER	SIDEWALK
618	34TH ST	1.0	343' S of SPL Parkway	West Rt of Way	NO METER	SIDEWALK
624	34TH ST	1.0	393' SSPL of Parkway	E Rt of Way	NO METER	SIDEWALK
625	34TH ST	1.0	17' NSLL & 2' WELL	17' NSLL & 6' WEPL	NO METER	SIDEWALK
				1) 10' NSLL, 3' EWLL in box (07/16/07)		
632	34TH ST	1.0		2) 10' NSLL 2' EWLL	NO METER	SIDEWALK
633	34TH ST	1.0		23' NSLL 5 1/2' WELL	NO METER	SIDEWALK
640	34TH ST	1.0		386' NNPL of H Street	NO METER	SIDEWALK
641	34TH ST	1.0	463' SSPL of Parkway		NO METER	SIDEWALK
648	34TH ST	1.5	344' 6" NNPL of H Street of 360' 6" N N curb H Street	4'E of WPL of Lot	NO METER	SIDEWALK
649	34TH ST	1.0	27' SNLL 2' WELL	27' SNLL, 8' WEPL	NO METER	SIDEWALK
				1) 21' SNLL, 2' EWPL in ROW (1/19/06)		
700	34TH ST	1.0	276' NNPL of H Street	2) East Rt of Way	NO METER	SIDEWALK
701	34TH ST	1.0	270' NNPL of H Street		NO METER	SIDEWALK
708	34TH ST	1.0	17' NSLL & 2' WELL of 711 33rd Street	17' NSLL & 2' EWLL of 708 34th Street	NO METER	SIDEWALK
709	34TH ST	1.0	14' NSLL 6 1/2' WELL	15' NSLL 9' WELL in Standpipe	NO METER	SIDEWALK
716	34TH ST	1.0		14' NSLL	NO METER	SIDEWALK
				Service is 10' NSLL 40' SNLL 6' WEPL in ROW Curb		
717	34TH ST	1.0		cock 8' 6" WEPL in ROW in c/s box	NO METER	SIDEWALK
724	34TH ST	1.0		28' SNLL & 22' NSLL on WPL	NO METER	SIDEWALK
725	34TH ST	1.0		28' NSLL 3' WELL in Standpipe	NO METER	SIDEWALK
732	34TH ST	1.0		44' SNLL or 6' NSLL	NO METER	SIDEWALK
733	34TH ST	1.0	8' NSLL 4' WEPL	8' NSLL 5' WEPL of 733 34th Street in box	NO METER	SIDEWALK
740	34TH ST	1.0		5' SNLL 1' EWLL in box	NO METER	PARK STRIP
741	34TH ST	1.5	6' SNLL 6 1/2' WEPL	7' SNLL 7' WELL	NO METER	PARK STRIP
1024	34TH ST		9 1/2' NSLL 6 1/2' EWC of 34th Street	9 1/2' NSLL 1' Behind Sidewalk	NO METER	SIDEWALK
1031	34TH ST	1.0	150 1/2' S S Curb of J Street 15' SNPL of Lot	WPL of 34th Street	NO METER	SIDEWALK
1032	34TH ST	1.25	16' SNLL - 37' NSLL-	16' SNLL 37'NSLL 6'WWC in box	NO METER	SIDEWALK
1035	34TH ST	0.75	188' S of SPL of J Street	EPL of 34th Street - 16' N of S Lot Line	NO METER	SIDEWALK
1040	34TH ST				NO METER	SIDEWALK
1045	34TH ST	0.75		6' NNC 1' NSLL (in valve box)	NO METER	SIDEWALK
1048	34TH ST	0.75	250' SSPL J Street	WPL 34th Street	NO METER	SIDEWALK
1051	34TH ST	0.75	247' S of SPL of J Street	EPL of 34th Street - N line of Lot	NO METER	SIDEWALK
1100	34TH ST	1.0	264' N of NPL of L Street	WPL of 34th Street	NO METER	SIDEWALK
				1) 12' SNLL, 5' EEC in standpipe (10/19/05)		
1101	34TH ST	1.0		2) 33' 6" NSLL 10' 6" SNLL 5' EEC	NO METER	SIDEWALK
1109	34TH ST	0.75	212' NPL of L Street changed tap 3/8/1940 RO. 6560	EPL 34th Street Back of Sidewalk	NO METER	SIDEWALK
1114	34TH ST	1.0	2' SNLL - 41' NSLL	2' SNLL - 6' WWC of 34th St in C/S Box	NO METER	SIDEWALK
1116	34TH ST	0.75	24' NSLL 6' EWC	23' NSLL 7' WWC	NO METER	SIDEWALK
1117	34TH ST	0.75	7' EWC of 9' NSLL	6' EEC of 9' NSLL	NO METER	SIDEWALK
1124	34TH ST	0.75	7 1/2' NSLL 11' EELL of 1128 34th Street	8'NSLL, 5' WWC Back of Sidewalk	NO METER	SIDEWALK
1125	34TH ST				NO METER	SIDEWALK
1136	34TH ST	1.0	82.5 N of NPL of L Street	WPL of 34th Street - S Lot Line	NO METER	SIDEWALK
			1) 120' NNC o/L St - 6' EWC o/34th (12/15/06)			
			2) 110' NNPL L Street changed from Carl Koch	1) 12' SNLL - 6' EEC o/34th St in meterbox (12/15/06)		
1137	34TH ST	1.0	5/1/1924	2) EPL 34th Street	NO METER	SIDEWALK
1141	34TH ST	0.75		2' SNLL of 1141 34th Street 5' EEC of 34th	NO METER	SIDEWALK
1144	34TH ST	0.75		7' NSLL 6' WWC of 34th Street	NO METER	SIDEWALK
1153	34TH ST	1.0		15' WELL 1 1/2' NNC of L Street	NO METER	PARK STRIP
1216	34TH ST	1.0		1' WWC of 34th Street 14' NSLL	NO METER	PARK STRIP
1224	34TH ST	1.0	5' EWC 1' NSLL	1' WWC 1' NSLL in Meter box	E METER BO K	N/A
1225	34TH ST	1.0	39' SNLL - 1' NSLL	37' E of Main at EPL of 34th Street	NO METER	PARK STRIP
1233	34TH ST	1.0		6' NSLL EC of 34th Street	NO METER	PARK STRIP
1234	34TH ST	1.0		12' SNLL 1' WWC	NO METER	PARK STRIP
1240	34TH ST	1.0		102' NNPL of N Street at SLL Back of Curb	NO METER	PARK STRIP
1243	34TH ST				NO METER	PARK STRIP
1248	34TH ST	1.0	6' EWC 34th Street	1' WWC 34th Street Copper Service 112' NNC of M Street	NO METER	PARK STRIP
1251	34TH ST	1.0		2' NSLL 1' EEC of 34th Street	E METER BO K	N/A
1259	34TH ST	1.0		2' SNLL & 1' EEC of 34th Street in box	NO METER	PARK STRIP
1267	34TH ST	1.0	4' SNPL M Street on East Side 34th Street	1'NSLI-@ back of walk	E METER BOX	N/A
1301	34TH ST	1.0	25' WECL of 34th Street	16' SNLL - 33' NSLL - 1' 6" EECL of 34th Street	NO METER	PARK STRIP

1308	34TH ST	1.0		on NLL 1' WWC of 34th Street	NO METER	PARK STRIP
1309	34TH ST	1.0	SLL 25' WECL 1' NSLL	3' NSLL 1' EEC of 34th Street in box	NO METER	PARK STRIP
1317	34TH ST	1.0	100' NNPL of N Street Connected to City 5/12/1933 Bu	West Side 34th Street	NO METER	PARK STRIP
1318	34TH ST	1.0	1' SSLL, 7' EWC (10/17/05)	1) 1' SSLL, 3' WWC in C/S Box (10/17/05)	NO METER	PARK STRIP
				1) 2' SNLL, 3' WWC in C/S box (10/17/05)		
				2) 1' SNL, 1' WWCc in box (10/10/05)		
1324	34TH ST	1.0	2' SNLL, 7' EWC (10/17/05)	3) 1' SNLL 1' WWC of 34th Street in box	NO METER	PARK STRIP
1325	34TH ST	1.0		SLL of 1325 34th 1' EECb of 34th Street	NO METER	PARK STRIP
1341	34TH ST	1.0	39' SNLL 52' NNPL of N Street - 26' WEC of 34th Stre	1' EEC of 34th Street	NO METER	PARK STRIP
1400	34TH ST	1.0		on WPL & on the SPL of N Street	NO METER	PARK STRIP
1412	34TH ST	1.0		2' WWC of 34th Street & 44' SSPL of N Street	NO METER	PARK STRIP
1416	34TH ST	1.0		3' SNLL of 1424 34th Street 1' WWC in box	NO METER	PARK STRIP
1419	34TH ST	1.0	138 1/2' SS curb of N Street 6' NSPL of Lot	E curb of 34th Street	NO METER	SIDEWALK
1424	34TH ST	1.0		2 1/2' SNLL Back of Curb	NO METER	PARK STRIP
				#1 - 54' NNC Folsom Bl 8' EWC 34th Street,		
1427	34TH ST	1.0		#2 - 55' NNC Folsom Bl 8' EWC of 34th Street	NO METER	SIDEWALK
1439	34TH ST				E METER BOX	N/A
1455	34TH ST	1 + Meter	48' SNLL of 1441 34th Street 1' EEC of 34th Street	48' SNLL of 1441 34th Street 23' WEC of 34th Street in Meter box	METERED	N/A
			1 1/2" Tap 144 1/2' EEPL 35th Street 1" Tap 84' N N			
315	35TH ST	1.0	Curb of D Street		METERED	N/A
319	35TH ST				NO METER	SIDEWALK
				322 35th Street cross connected to 3440 C Street see old tap card for		
322	35TH ST	1.0	39' WWLL 5' SSC of C Street	3440 C	NO METER	SIDEWALK
324	35TH ST		2' EWPL 22' NSLL	4' EWPL 22' NSLL in C/S box	NO METER	SIDEWALK
329	35TH ST	1.0	11' SNC D Street - 137' EEC 35th Street	7' NNC of Street - 137' EEC 35th Street	NO METER	SIDEWALK
334	35TH ST	0.75	159' SSPL of C Street	East Rt of Way	NO METER	SIDEWALK
339	35TH ST	0.75	120' EEPL of 35th Street	110' EEPL of 35th NPL of D Street	NO METER	SIDEWALK
344	35TH ST	0.75	25' SNLL & 2' EWLL	Copper 25' SNLL & 6' EWLL	NO METER	SIDEWALK
354	35TH ST	1.0		11' EWPL 17' SNLL	NO METER	SIDEWALK
364	35TH ST	1.0		17.5' SNLL 10' EWLL Standpipe	NO METER	SIDEWALK
365	35TH ST	1.0	6' NSLL 3' WELL		NO METER	SIDEWALK
				1) 10' ewpl - 17' nsll (4/26/07)		
				2) 18' nsll - 10' ewll (4/3/07)		
374	35TH ST	0.75		3) Service valve 17' 3" NSLL 9' 6" EWPL in ROW	NO METER	SIDEWALK
375	35TH ST				NO METER	SIDEWALK
400	35TH ST	0.75	328' NN Cb of E Street 29.5' S N Lot Line	7' E W Lot Line	NO METER	SIDEWALK
				1) 22' SNLL, 1' WEPL @ box (5/23/05)		
401	35TH ST	1.0	22' SNLL, 2' WEPL	2) 22' SNLL, 5' WEPL in a c/s box	NO METER	SIDEWALK
410	35TH ST	1.0		25' NSLL 8' EWLL	NO METER	SIDEWALK
411	35TH ST	1.0		Gate Valve 21' SNLL & 7' WELL dug out & tightened	NO METER	SIDEWALK
420	35TH ST	1.0		21' 3" NSLL & 7 1/2 ' EWPL in Standpipe	NO METER	SIDEWALK
				1) 17' snll - 5' well in box (2/20/07)		
421	35TH ST	1.0	18' SNLL & 32' NSLL & 5' WEPL	2) 18' SNLL & 32' NSLL & 8' WEPL	NO METER	SIDEWALK
430	35TH ST	0.75	186' NNPL of E Street	East Rt of Way	NO METER	SIDEWALK
431	35TH ST	0.75	175' NNPL of McKinley Blvd	West Rt of Way	NO METER	SIDEWALK
440	35TH ST				NO METER	SIDEWALK
441	35TH ST	1.0	18' NSLL 5' WEPL	18' NSLL 7' WEPL	NO METER	SIDEWALK
450	35TH ST	1.0	25' SNLL 3' EWLL	25' SNLL & 6' EWLL	NO METER	SIDEWALK
451	35TH ST	1.0		19' SNPL 7' WEPL In valve box	NO METER	SIDEWALK
460	35TH ST	1 1/2 -ww	4' 6" SNLL & 4' 6" EWLL	ww- 6' EWPL 4' SNLL	NO METER	SIDEWALK
461	35TH ST	1.0	55' N N curb of C Street	2 1/2' W 2 of 6" main	NO METER	LAWN
501	35TH ST	1.0	8.5' NSLL - 6' WELL	Same & 13' WELL	NO METER	SIDEWALK
511	35TH ST	1.0		16' NSLL & 10' WELL	NO METER	SIDEWALK
521	35TH ST	1.0	12' EWLL 4' NSLL	10' EWLL 10' NSPL in box	NO METER	SIDEWALK
531	35TH ST	1.0		61' WWC 35th Street 13' SSC of McKinley Bl	NO METER	SIDEWALK
541	35TH ST	0.75	81' NNPL Parkway	West line of Rt of Way	NO METER	SIDEWALK
551	35TH ST	1.0	41' NN Curb Park Way	West line of Rt of Way	NO METER	LAWN
568	35TH ST	1.5	41' SSPL Park Way 44' 6" SSC Park Way	Same as corp cock - 22' NSLL, 30' EWPL of Lot	NO METER	LAWN
569	35TH ST	1.0	52' SSPL Park Way	West line of Rt of Way	NO METER	LAWN
576	35TH ST	0.75	165' NPL, 1' WWLL	165' NPL, 3' EWLL	NO METER	SIDEWALK
577	35TH ST	1.5	95 1/2' S S curb of Park Way 11 1/2 ' NSPL of Lot	3' W of main	NO METER	SIDEWALK
584	35TH ST	1.0		valve 18' NSLL, 2' EWPL	METERED(BACKY	SIDEWALK
585	35TH ST	1.0		1" W Valve 29' NSLL, 11' WELL	NO METER	SIDEWALK
592	35TH ST	1.0		18' SNLL & 2' EWPL in Rear	NO METER	SIDEWALK
593	35TH ST	1.0		6 1/2 ' WELL, 5' NSLL	NO METER	SIDEWALK
600	35TH ST	1.0	17' SNLL - 33' NSLL - 1' WWPL	Same & 3' EWLL	NO METER	SIDEWALK
601	35TH ST	1.0	232' SSPL of Parkside	West Rt of Way	NO METER	SIDEWALK
608	35TH ST	1.0		located and shut off wheel valve 22' NSLL & on WLL	NO METER	SIDEWALK
609	35TH ST	1.0	22' NSLL 6' WELL	21' NSLL 8' WELL	NO METER	SIDEWALK
616	35TH ST	1.5	9' NSLL, 2' WEPL of 615 34th St	9' NSLL, 2' EWPL of 616 34th St	NO METER	SIDEWALK
617	35TH ST	1.0	322' S of S curb Parkway 16' S of NLL and 6' W of ELL	3 1/2' W of main or 9'WEPL, 15' SNLL in a c/s box	NO METER	SIDEWALK
624	35TH ST	1.0	39' NSLL - 11' SNLL - 3' WWPL of Right Way	3' EWPL of Right of Way	NO METER	SIDEWALK
625	35TH ST	1.0	5' WELL 27' SNPL		METERED(BACKY	SIDEWALK
632	35TH ST	1.0		31' NSLL-21'SNLL 1' EWPL	NO METER	SIDEWALK
633	35TH ST	0.75	9' WELL	gate valve 17 1/2' NSLL & 11' WELL	NO METER	SIDEWALK
640	35TH ST	1.5	18' WWLL - 24' NSLL - 26' SNLL	18" EWLL - 24' NSLL - 26' SNLL	NO METER	SIDEWALK
641	35TH ST	1.0	25' SNLL 7' WELL	24' SNLL 15' WELL in Standpipe	NO METER	SIDEWALK
				1) WV: 15' NSLL, 11' WEPL in box (6/7/05)		
645	35TH ST			2) 14' NSLL in ROW	NO METER	SIDEWALK
648	35TH ST	1.5		11' NSLL & 39' SNLL at a point 6' EWLL	NO METER	SIDEWALK
700	35TH ST	1.5	18' NSLL 1' WWPL	Replaced wheel valve 18 NSLL 4' EWLL of 35th Street	NO METER	SIDEWALK
701	35TH ST	1.0	272' NNPL of N Street	West Rt of Way	NO METER	SIDEWALK
708	35TH ST	0.75		Valve is 11' NSLL & 2' WEPL in Rear	NO METER	SIDEWALK
709	35TH ST	1.0	224' NNPL of N Street	West Rt of Way	NO METER	SIDEWALK
716	35TH ST	1.0	177' NNPL of H Street	East Rt of Way	NO METER	SIDEWALK
717	35TH ST	1.0		Service valve 10' NSPL of lot 6' WEPL of lot 3' W of Main	NO METER	SIDEWALK
724	35TH ST	1.5	10' NSLL 3' WWPL	10' NSLL 2' EWLL	NO METER	SIDEWALK
725	35TH ST	1.0	129' EEC of 35th Street 138' NNC of H Street	13' NSLL 6' WEPL	NO METER	SIDEWALK
732	35TH ST	1.0	32' NSLL 3' WWPL of 732 35th St	32' NSLL 1' EWPL	NO METER	SIDEWALK
733	35TH ST	1.0		19' NSLL 10' WELL Under Redwood deck	NO METER	SIDEWALK
740	35TH ST	1.5	40' NNPL of H Street	West Rt of Way	NO METER	PARK STRIP
800	35TH ST	1.5	7' EWC of 35th Street 59' SSC of H Street		NO METER	SIDEWALK
801	35TH ST	1.0	15 1/2' WELL 30' NSC of H Street	15 1/2' WELL 2' SSC of H Street in Box	NO METER	PARK STRIP
				1) 12' nsll - 7' eec (4/30/07)		
811	35TH ST	1.0	106' SSPL of H Street 14' 6" N S Lot Line	2) 2' SNLL 7' EEC	NO METER	SIDEWALK
824	35TH ST	1.0	1' SNLL - 51' NSLL - 7' EWC 35th Street	Same & 6' WWC 35th Street	NO METER	SIDEWALK
825	35TH ST	1.0	6' EWC on NPL		NO METER	SIDEWALK
832	35TH ST			4' WWC on SPL	NO METER	SIDEWALK
835	35TH ST	0.75	156' NNPL I Street	WPL	NO METER	SIDEWALK
844	35TH ST	1.0	44' NSLL, 6' SNLL, 10' EWPL of 35th Street	Same as corp and 1' WWPL of 35th Street	NO METER	SIDEWALK
845	35TH ST	1.0	8' SNLL & 42' NSLL & 5.5' EE Cb of 35th Street	8' SNLL & 42 NSLL & 25' WE Cb of 35th Street	NO METER	SIDEWALK
854	35TH ST	0.75	156' NNPL I Street	WPL	NO METER	SIDEWALK

855	35TH ST	1.0		1' NSLL 5' EEC 35th Street in Standpipe	NO METER	SIDEWALK
900	35TH ST	1.0	50' SSPL of I Street, 11' EWPL of 35th Street	50' SSPL of I St, 11' WWPL of 35th Street in s/p	NO METER	SIDEWALK
901	35TH ST	1.0	140' N N Curb of Harnon's Alley - 40' SS Cb I Street	Back Edge Sidewalk	NO METER	SIDEWALK
909	35TH ST	1.0	Same as corp and at EPL of 35th Street	65' S of S curb of Eye Street and 33' N of S Lot Line	NO METER	SIDEWALK
910	35TH ST	1.0	67' S of S Curb of 1 Street	12' West of Main WPL of 35th Street	NO METER	SIDEWALK
919	35TH ST	1.0	Same as corp and at EPL of 35th Street	132' S of S curb of Eye Street and 10' N of S Lot Line	NO METER	SIDEWALK
920	35TH ST	0.75		5' WWC of 35th Street & 1' NSLL in box	NO METER	SIDEWALK
927	35TH ST	1.5	1' SNLL 28' WEPL & 35th Street	1' SNLL 5' EEC of 35th Street in Standpipe	NO METER	SIDEWALK
928	35TH ST	2.0	134' NNC of J Street 6' EWC of 35th Street	134' NNC of J Street 6' WWC of 35th Street	NO METER	SIDEWALK
940	35TH ST	1.5		G/V - 134' NNC of J St, 6' WWC of 35th St	NO METER	SIDEWALK
950	35TH ST	1.0		on SPL of 950 35th Street 5' WWC of 35th Street in Box	NO METER	SIDEWALK
1023	35TH ST				NO METER	LAWN
1024	35TH ST	1.5	WPL of 35th St	wv- 3' NSLL 5' WWC in s/p	NO METER	LAWN
1027	35TH ST	1.0	23' North of S line of Lot	5' W of E line of lot	NO METER	LAWN
1034	35TH ST	1.0	10' EWC of 35th Street 1' SNLL of 1034 35th Street	5' WWC of 35th 1' SNLL of 1034 35th Street in C/S Box	NO METER	LAWN
1037	35TH ST	1.5	At Main 1' 6" WEPL ROW	14' NSLL & 38' SNLL	NO METER	LAWN
1040	35TH ST	1.0	16' EWC 35th Street- on SPL of lot	6' WWC 35th Street- on SPL of lot	NO METER	LAWN
1045	35TH ST	1.5		29' SNLL, 6' WELL in s/p	NO METER	LAWN
1048	35TH ST	1.0	16' EWC of 35th St on NPL of 1048	6' WWC of 35th St- on NPL of lot in box	NO METER	LAWN
1053	35TH ST	1.0		20' NSLL 5' WEPL	NO METER	LAWN
1100	35TH ST	1.0		3' NSPL 6' WWC of 35th Street	NO METER	LAWN
1101	35TH ST	1.5	29' NSLL 2' EEPL	29' NSLL 3' WEPL in box 354' SSPL of J ST	NO METER	LAWN
1108	35TH ST	1.0		2' NNPL - 5' WWC of 35th Street	NO METER	LAWN
1115	35TH ST	1.0		25 1/2' SNLL 23' NSLL 6' WELL	NO METER	LAWN
1116	35TH ST	1.0	8' NSLL, 42' 6" SNLL	9'NSLL, 6'6" WWC in s/p	NO METER	LAWN
1117	35TH ST	1.0		1' SNLL & EPL of 35th Street	NO METER	LAWN
1124	35TH ST	1.0	2' SNLL 10' EWC	2' SNLL 5'WWC in box.	NO METER	LAWN
1125	35TH ST	1.0	NPL Lot	East Side 35th Street	NO METER	LAWN
1132	35TH ST	1.0	56' NNC of L Street 10' EWC of 35th Street	7' WWC of 35th Street 1' NSLL of 1132 35th Street	NO METER	LAWN
1133	35TH ST	1.0	12' EWC & 2' SSLL	1' EEPL & 2' SSLL in sewer box	NO METER	LAWN
1140	35TH ST	1.0		2.5' SNPL 7' WWCb of 35th 52' NNCb of L Street	NO METER	LAWN
1141	35TH ST	1.0	12' EWC & 3' SNLL	3' SNLL & 1' EEPL	NO METER	LAWN
1201	35TH ST	1.0	Same as Corp & 5' W of E Lot Line	64' N of N curb of 35th Ave & 37' S of N Lot Line	NO METER	LAWN
1209	35TH ST				NO METER	LAWN
1217	35TH ST	0.75	21' WEC 2' SSLL	W V 4' EEC on SPL	NO METER	LAWN
1224	35TH ST	1.0		on NLL behind sidewalk in SP	NO METER	LAWN
1225	35TH ST		21' WEC 3' SNLL	2' SSLL 5' EEC	NO METER	LAWN
1232	35TH ST	1.0		5' NSLL, 40'SNLL, 5' WWC of 35th St	NO METER	LAWN
1233	35TH ST	1.0	43'NNC of M St-11'EWC of 35th St	6'EEC of 35th St-3'SNPL in s/p	NO METER	LAWN
1244	35TH ST	1.0		38' NSLL 20' SNLL on WPL of lot	NO METER	LAWN
1250	35TH ST	1.0	On SLL, 12' EWC	On SLL, 8' WWC in box	NO METER	LAWN
1300	35TH ST	1.0	On NLL, 12' EWC	on NLL, 7' WWC in box.	NO METER	LAWN
1308	35TH ST	1.0	100' SSC of M Street 11' EWC of 35th Street	6' WWC of 35th Street on SLL 1.1) 2' NNLL, behind walk in SP (6/1/06) 1.2) 2' NNPL, behind walk in SP (6/1/06)	NO METER	LAWN
1309	35TH ST	1.0		2) on NLL Behind Sidewalk in Standpipe	NO METER	LAWN
1316	35TH ST	1.0	101' SSC of M Street 11' EWC of 35th Street in box	6' WWC of 35th Street on SLL of 1308 35th Street	NO METER	LAWN
1317	35TH ST	1.0	SPL Lot	East Side 35th Street	NO METER	LAWN
1324	35TH ST	1.0	SPL Lot 63	West Side 35th Street	NO METER	LAWN
1325	35TH ST	1.0	21' WEC of 1325 35th Street 1' NNLL of 1325 35th Str	e5' EEC of 35th Street 1' NNLL of 1325 35th Street	NO METER	LAWN
1331	35TH ST	1.0	SPL lot	East Side 35th Street	NO METER	LAWN
1332	35TH ST	1.0		on NLL behind sidewalk	NO METER	LAWN
1339	35TH ST	1.0	24' NSLL - 26' SNLL - 22' WEC of 35th Street	1' EEPL of 35th Street	NO METER	LAWN
1340	35TH ST	1.0	12' WWCb of 35th 1' NSLL of 1340 35th	7' WWC of 35th St, 1'NSLL of 1340 35th in C/S box	NO METER	LAWN
1347	35TH ST	1.0		1' NSLL &1' EEPL of 35th Street	NO METER	LAWN
1355	35TH ST	1.0		NPL & 5'EEC of 35th Street	NO METER	LAWN
1405	35TH ST	1.0		5' EEC of 35th Street 0'.6" NSLL in C/S box	NO METER	LAWN
1409	35TH ST	1.0		5' EEC of 35th Street 0'.6" SNLL in box	NO METER	LAWN
1415	35TH ST	0.75	548' SSPL Folsom Blvd	W Line of Alley	NO METER	LAWN
1416	35TH ST	1.0		1' SNLL Behind Sidewalk	NO METER	LAWN
1424	35TH ST	1.0	SPL Lot	East Side 35th Street	NO METER	LAWN
1425	35TH ST	1.0	NPL Lot	East Side 35th Street	NO METER	LAWN
1426	35TH ST	1.0	49' SNLL & 1' NSLL & 16' EWPL of 35th Street	Same as corp & 1' WWPL of 35th Street	NO METER	LAWN
1433	35TH ST	1.0		13' SNLL & 6' EEC in C/S box	NO METER	LAWN
1440	35TH ST	1.0	on SLL - 12' EWC of 35th Street	SLL - 1' WWPL of 35th Street	NO METER	LAWN
1441	35TH ST	1.0	2'SNLL, 12'EWC	2'SNLL, 6'EEC in c/s box.	NO METER	LAWN
1447	35TH ST	1.0	40' SNLL - 10' NSLL - 6' EEPL of 35th Street	40' SNLL - 10' NSLL - 25.6' WEPL of 35th Street	NO METER	LAWN
1448	35TH ST	1.0	NPL #41	West Side 35th Street	NO METER	LAWN
1455	35TH ST	1.0	26' WEPL of 35th Street	11' 6" SNLL - 38' 6" NSLL - 1' EEPL of 35th Street	NO METER	LAWN
1456	35TH ST	1.0		1' NSLL, 5' WWC of 35th Street in S/P 1) 6' NSLL - 5' WWC in c/s box (5/10/06)	NO METER	LAWN
520	36TH ST			2) 5' WWC of 36th 94' SSC of McKinley Bl	E METERBOX	N/A
526	36TH ST	1.0		4' NNPL 5' WWC	NO METER	SIDEWALK
544	36TH ST	1.0	4' NSLL & 12' EWC of Street	4' NSLL & 4' WWC of Street in S/P	NO METER	SIDEWALK
552	36TH ST	0.75	953.5' NNPL H Street	West Side 36th Street	NO METER	SIDEWALK
560	36TH ST	0.75	885.5' NNPL H Street	West Side 36th Street	NO METER	SIDEWALK
568	36TH ST	1.0		10' SNLL & 1' WWPL of 36th Street	NO METER	SIDEWALK
576	36TH ST	0.75		2' SNLL 5' 6" WWC of 36th Street in box	NO METER	SIDEWALK
584	36TH ST	0.75	756.5' NNPL H Street	West Side 36th Street 2' SNLL - 5' 5" WWC of 36th Street	NO METER	SIDEWALK
592	36TH ST	0.75		2' SNLL WPL of 36th Street	NO METER	SIDEWALK
600	36TH ST	1.0	Same 2' WWPL of 36th Street	43' 6" SNLL - 4' 6" NSLL - 15' 6" EWPL of 36th Street	NO METER	SIDEWALK
608	36TH ST	0.75	Corp - 13' EWC, 2' NNLL	West Side 36th Street 5' WWC, on NPL in Standpipe	NO METER	SIDEWALK
616	36TH ST	1.0	13' EWC on NLL	7' WWC of 36th Street on NPL of 616 36th Street	NO METER	SIDEWALK
624	36TH ST	0.75		2' SNLL & 5' WWCb of 36th Street	NO METER	SIDEWALK
632	36TH ST	1.0	25' NSLL & 25' SNLL & 6.5' WW Cb of 36th Street	27' NSLL & 23' SNLL 7 12.5' EW CB of 36th Street 1) 12' SNLL, 39.5' NSLL, 1' WWPL 36th Street (10/13/05)	NO METER	SIDEWALK
640	36TH ST	1.0	8' 6" SNLL 43' NSLL 1516" EWPL 36th Street	2) 12' SNLL, 39' 6" NSLL, 1' WWPL 36th Street	NO METER	SIDEWALK
648	36TH ST	1.0	11' SNLL 12' EWC	WV 9' SNLL 4' WWC	NO METER	SIDEWALK
700	36TH ST	1.0		9' NSLL 6' WWC of 36th Street Second Service approx 4' SNLL	NO METER	SIDEWALK
708	36TH ST	0.75	206' NNPL H Street	West Side 36th Street	NO METER	SIDEWALK
716	36TH ST	1.0	198' NNPL at H Street 2' SNPLL	WPL at 36th Street	NO METER	SIDEWALK
724	36TH ST	1.0	19' SNLL 132' NNPL of H Street	18' SNLL back of Sidewalk	NO METER	SIDEWALK
732	36TH ST	0.75	3' NSLL 13' EWCb of 36th Street	3' NSLL 6' WWCb of 36th Street	NO METER	SIDEWALK
740	36TH ST	1.0	3' NNLL 13' EWCb	1' SNLL 7' WWCb	NO METER	PARK STRIP
800	36TH ST	1.0		61' SSCL of H Street Back of Sidewalk	NO METER	LAWN
801	36TH ST	1.0		24' NSLL & 6' EECb of 36th Street	NO METER	SIDEWALK
808	36TH ST	1.0	NPL Lot	WPL 36th Street	NO METER	LAWN
815	36TH ST	1.0	50' NSLL & 20' SNLL & 28' WEPL of 36th Street	Same as corp & 1' EEPL of 36th Street	NO METER	LAWN
816	36TH ST	1.0	1' SNLL 7' WEC 36th Street	1' SNLL 6' EEC 36th Street	NO METER	LAWN
824	36TH ST	1.0	21' SNLL - 26' NSLL - 12' EWPL of 36th Street	21' SNLL - 26' NSLL - 1' 6" WEPL of 36th Street	NO METER	LAWN
825	36TH ST	1.0	2' NSLL 7' WWC 36th Street	2' NSLL 7' WWC 36th Street	NO METER	LAWN
834	36 ST	1.0	Same as Curb Stop	on SLL 142' NNPL I Street WPL 36th Street	NO METER	LAWN

835	36TH ST	1.0	SPL Lot	EPL	NO METER	LAWN
844	36TH ST	1.0	141' NNPL of I Street	Same as corp Back of Sidewalk	NO METER	LAWN
845	36TH ST	1.0	15' SNLL - 31' NSLL - 28' WEPL of 36th Street	15' SNLL - 31' NSLL - 1' 6" EEPL of 36th Street	NO METER	LAWN
854	36TH ST	1.0		4'NSLL of 854 36th St , 7' WWC of 36th St in SP	NO METER	LAWN
855	36TH ST	1.0		1' NSLL- 6' EEC in box	UNKNOWN	LAWN
864	36TH ST	1.0	NPL Lot	3'NNLL of 864 36th St, 6' WWC of 36th St in SP	NO METER	LAWN
865	36TH ST	1.0		6' EEC 1' SNPL	NO METER	LAWN
901	36TH ST	1.0	SPL Lot	WPL	NO METER	LAWN
910	36TH ST	1.0	SLL 7' EWC of 36th Street (copper)		NO METER	LAWN
911	36TH ST	1.0		1' SNLL, 6' EEC of 36th Street in S/P: Serves residence. (See also second tap:serves irrigation.)	NO METER	LAWN
920	36TH ST	1.0		1' SNLL 6.5' WWC of 920 36th Street	NO METER	LAWN
921	36TH ST	1.0	NPL Lot	EPL	NO METER	LAWN
931	36TH ST	1.0	67' EEC - 4' NSLL	67' EEC - 8' NSLL	NO METER	LAWN
934	36TH ST	1.0	3' NSLL of 934 36th Street 14' WWC of 36th Street	6' NSLL of 934 36th Street 14' WWC of 36th Street	NO METER	LAWN
940	36TH ST	1.0	82' WWPL of 36th Street	S Rt of Way	NO METER	LAWN
945	36TH ST				NO METER	LAWN
948	36TH ST	1.0		21 1/2" SNLL 2' WWPL Also 22 1/2' NSLL	NO METER	LAWN
949	36TH ST	1.0		5' WELL & 1' SNLL 945 36th Street	NO METER	LAWN
956	36TH ST	1.5		11' SNLL 30' NSLL 1' EWLL	NO METER	LAWN
957	36TH ST	1.0	139' EEPL 36th Street 173' NNPL J Street	Same as corp cock - 4' S of Main - 169' NNPL J Street	NO METER	LAWN
1024	36TH ST	1.0	2 1/2' E of Main	13' NSLL of WPL left Standpipe 3' EWLL	NO METER	SIDEWALK
1034	36TH ST	0.75	188' SSPL of J Street	E of Rt of Way	NO METER	SIDEWALK
1044	36TH ST	0.75	153' NNPL K Street	None	NO METER	SIDEWALK
1054	36TH ST	0.75	120' NNPL of K Street	None	NO METER	SIDEWALK
1064	36TH ST	1.0	15' NSLL 35' SNLL	15' NSLL 35' SSLL 2 1/2' E of Main 1' EWLL	NO METER	SIDEWALK
1074	36TH ST	0.75	33' NNPL of K Street	E Rt of Way	NO METER	SIDEWALK
1300	36TH ST	1	38' WWPL 13th Street	NPL of Alley	NO METER	PARK STRIP
1301	36TH ST	1.0	54' SSPL N Street	West Side 36th Street	NO METER	PARK STRIP
1302	36TH ST	1.0		50' SSC of M Street, 2' WWC of 36th Street, 1' SNLL in Box.	NO METER	PARK STRIP
1303	36TH ST	1.0		1303 NLL 1' EEC of 36th Street, 1305 1' EEC 1' NSLL of 36th Street	NO METER	PARK STRIP
1304	36TH ST			23' NSLL 1' WWC 36th Street in S/P	NO METER	PARK STRIP
1305	36TH ST	1.0		NLL or 50' NSLL & 1' EEC of 36th Street	EMETERBOX	N/A
1306	36TH ST	1.0		SLL 1' WWC of 36th Street	NO METER	PARK STRIP
1307	36TH ST	0.75		41' NSLL or 9' SNLL Approx 1' EEC of 36th	NO METER	PARK STRIP
			1) 31' snll - 9' wec (7/10/07)	1) 31' snll - 1' wwc in m/box (7/10/07)		
1308	36TH ST	1.0	2) 21' SNLL - 32' NSLL - 6' EWC 36th Street	2) 21' SNLL - 32' NSLL - 1' WWC 36th Street	EMETERBOX	N/A
1309	36TH ST	1.0	172' NNCb of N Street	same in back of curb	NO METER	PARK STRIP
1317	36TH ST	1.0	74' NNPL N Street 84' NNC N Street	Same as corp cock - 9' 6" NSLL, 3' EEC 36th Street	NO METER	PARK STRIP
1325	36TH ST	1.0		NLL 1 1/2' behind curb	NO METER	PARK STRIP
1333	36TH ST	1.0		27' NSLL 11' EEC of 36th Street	NO METER	PARK STRIP
1341	36TH ST	1.0	29' 6" WECL of 36th St	37' SNLL, 13' NSLL, 3' EECL of 36th St	NO METER	PARK STRIP
1400	36TH ST	1.25		11' SNLL 3' WWC of 1400 36th Street	NO METER	PARK STRIP
1401	36TH ST	1.0		25' SSC of N St. on NLL	EMETERBOX	N/A
1405	36TH ST	1.0		20' SNLL & 6' EEC of 36th Street	NO METER	PARK STRIP
1417	36TH ST		18' SNLL 7' EWLL	18' SNLL 2' EEC	NO METER	PARK STRIP
1418	36TH ST	1.5	308' NNPL Folsom Blvd		NO METER	PARK STRIP
1424	36TH ST	1.0	184' SSPL N Street 193' SSC N Street	Same as corp cock - 27' NSLL, 2' WWC 36th Street	NO METER	PARK STRIP
1425	36TH ST	1.0	231' NNC Folsom Blvd at SLL	Same as corp cock - 31' E of Main, 10" Back of Curb Line	NO METER	PARK STRIP
1430	36TH ST	1.0	220' NNPL of Folsom Blvd	West Side 36th Street	NO METER	PARK STRIP
1433	36TH ST	1.0	28'NSLL, 22'SNLL, 30' WECL of 36th St	28' NSLL 22' SNLL 2' EEC of 36th Street in Concrete box.	NO METER	PARK STRIP
1441	36TH ST	1.0		34 1/2' SNLL 1' EEC of 36th Street	NO METER	PARK STRIP
1449	36TH ST	0.75	250' SSPL Folsom Blvd	WPL Alley	NO METER	PARK STRIP
300	36TH WAY	1.0	266' N of 6" GV on main		NO METER	SIDEWALK
301	36TH WAY	1.0	290' N of 6" GV on main	EPL	NO METER	SIDEWALK
310	36TH WAY	1.0	265' N of GV on main	5' WWC, 3' NSPL	NO METER	SIDEWALK
311	36TH WAY	1.0	239' N of 6" GV on main	EPL	NO METER	SIDEWALK
				1) 1' SNLL, 6' EEC in C/S box (5/20/05)		
				2) 1' WELL, 6' SSC in C/S box (5/16/05)		
315	36TH WAY	1.0	233' N of 6" GV on main	3) 1' WELL and back of walk (5/12/05)	NO METER	SIDEWALK
320	36TH WAY	1.0	159' N of GV on main	WPL	NO METER	SIDEWALK
325	36TH WAY	1.0	139' N of GV on main	EPL	NO METER	SIDEWALK
330	36TH WAY	1.0	153' N - 6" GV on main	6' NNC of 36th Way & on EPL	NO METER	SIDEWALK
335	36TH WAY	1.0	138' N of GV on main	EPL	NO METER	SIDEWALK
340	36TH WAY	0.75	55' N of 6" GV on main	3/4" WV on WPL, 6' NNC	NO METER	SIDEWALK
				1) 1' EWLL, 4' SSC 345 36th Way in C/S box (5/3/05)		
				2) 1' NSLL, 1' BOW (5/3/05)		
345	36TH WAY	1.0	49' SNLL - 1' NSLL - 10' EWC 39th Way	3) 49' SNLL - 1' NSLL - 1' Back of Sidewalk	NO METER	SIDEWALK
350	36TH WAY	1.0	54' N of 6" GV on main	WPL	NO METER	SIDEWALK
355	36TH WAY	1.0	NLL - 10' EWC 39th Way	NLL - 50' NSLL - 3' Back of Sidewalk	NO METER	SIDEWALK
360	36TH WAY				NO METER	SIDEWALK
365	36TH WAY	1.0	49' SNLL or 1' NSLL - 8' EWC 36th Way	Same - 6 1/2' EEC 36th Way	NO METER	SIDEWALK
370	36TH WAY	1.0	512' N of GV - GV is 6' EWC of 36th Way & 1 1/2' N NC	WPL	NO METER	SIDEWALK
375	36TH WAY	1.0	50' NSLL or SLL - 8' EWC 36th Way	Same - 6 1/2' EEC 36th Way	NO METER	SIDEWALK
				1) 1' NSLL, 7' WWC of 36th Way (1/19/06)		
380	36TH WAY	1.0	SLL - 50' SNLL - 7' EWC 36th Way	2) 1' NSLL - 49' SNLL - 7' WWC 36th Way	NO METER	SIDEWALK
				1) approx loc: 3' SSLL, 6' EEC of 36th Way (11/8/05)		
385	36TH WAY	1.0	29' WEPL 36th Way on the SLL	2) 4' SSLL - 2' EEPL 36th Way	NO METER	SIDEWALK
388	36TH WAY	1.0	412' N of GV - 6' EWC of 36th Way of 1 1/2' NNC of	McKinley Blvd	NO METER	SIDEWALK
395	36TH WAY	1.0	29' WEPL 36th Way - 1' SNLL	5' SNLL - 2' EEPL 36th Way	NO METER	SIDEWALK
396	36TH WAY	1.0	371' NNPL of McKinley Blvd	East ROW	NO METER	SIDEWALK
400	36TH WAY	0.75		13' NSLL - Approx 5' EWLL	NO METER	SIDEWALK
409	36TH WAY	1.0	269' N of GV - 6' EWC 36th Way of 1 1/2' NNC McKinl	EPL	NO METER	SIDEWALK
410	36TH WAY	0.75	230' NNPL of McKinley Blvd	East of ROW	NO METER	SIDEWALK
411	36TH WAY	1.0	246' NNPL of McKinley Blvd - 2' SNLL	Same as Corp & at EPL of 36th Way	NO METER	SIDEWALK
420	36TH WAY	1.0	194' NNPL of McKinley Bl	East ROW	NO METER	SIDEWALK
421	36TH WAY	1.0	45' SNLL or 1' NSLL - 7' EWC 36th Way	Same - 1' Back of Walk	NO METER	SIDEWALK
430	36TH WAY	1.0	4' E/WPL & 17' 6" N/SLL	1' E/ WPL & 17' 6" N/SLL	NO METER	SIDEWALK
431	36TH WAY	1.0	1' SNLL - 49' NSLL - 5' WEC 36th Way	1' SNLL - 49' NSLL - 5' EEC 36th way	NO METER	SIDEWALK
300	37TH ST	1.0	240' NNPL H Street	EPL	NO METER	SIDEWALK
310	37TH ST				NO METER	SIDEWALK
311	37TH ST	1.0	10'SNC /37th St-1'WELL	6'SSC /37th St-1'WELL	NO METER	SIDEWALK
320	37TH ST	1.0	Same as corp and at NPL of 37th Street	1' E of W lot line and 51' W of E W lot line	NO METER	SIDEWALK
321	37TH ST	1 Wheel Valve		On - SLL - 1' NSLL 2 1/2' back of sidewalk in standpipe	NO METER	SIDEWALK
330	37TH ST	1.0	488 N of GV at NPL of McKinley Blvd	WPL	NO METER	SIDEWALK
331	37TH ST	1.0	9' SNLL, 10' EWC	8' EEC, on NLL in box	NO METER	SIDEWALK
				1) 6' NNC - 4' EWLL (no box)(5/17/06)		
340	37TH ST	1.0	47' WELL & 3' EWLL	2) Same as corp & NPL of 37th Street	NO METER	SIDEWALK
349	37TH ST	1.0	At Main 9' SNC of 37th Street	1' EWLL & 53' WELL Copper service C/S 6' SSC of 37th Street	NO METER	SIDEWALK
350	37TH ST	1.0	382' N o/GV @ NPL o/McKinley Blvd	2' WW edge o/sidewalk	NO METER	SIDEWALK
355	37TH ST	1.0	At main 9' SNC of 37th Street	58' EWLL & 6' SSC of 37th Street	NO METER	SIDEWALK
360	37 ST	1.0	280.5' N of GV at NPL of McKinley Blvd	WPL	NO METER	SIDEWALK

361	37TH ST	1.0	280' N 6' GV at NPL of McKinley Blvd	EPL	NO METER	SIDEWALK
370	37TH ST	1.0	279.5 ' N of GV at NPL of Mckinley Blvd	WPL	NO METER	SIDEWALK
381	37TH ST	1.0	2' SNLL of 381 37th - 28' WEPL on 6' CI Main	1' SNLL of 381 37th - 6' EEC of 37th Street	NO METER	SIDEWALK
382	37TH ST	1.0	186' N of valve at NPL of McKinley Blvd	WPL	NO METER	SIDEWALK
400	37TH ST	1.0	5' SNPL, 6' EWC of 37th Street	3' SNPL, 6' WWC in standpipe	NO METER	SIDEWALK
410	37TH ST	1.0		11' NNC of 37th - 6' EWLL in Standpipe in walkway	NO METER	SIDEWALK
1022	37TH ST	1.0	132' SSPL J Street		NO METER	LAWN
1025	37TH ST	2.0	2' EEPL of 1025 37th Street & 44' NSLL	44' NSLL & 1' WEPL of Lot in ROW	NO METER	LAWN
1026	37TH ST	0.75		29' NSLL, 2' EWLL	NO METER	LAWN
1032	37TH ST				NO METER	LAWN
1037	37TH ST	1.0	8' NSLL on EPL	7' NSLL on 3' WEPL	NO METER	LAWN
1040	37TH ST	1.0		31 1/2' NSPL of Lot, 2' EWPL of Lot	NO METER	LAWN
1041	37TH ST	0.75		32' NSLL on EPL in ROW	NO METER	LAWN
1048	37TH ST	0.75		23' NSLL - 4.5 EWPL of Lot	NO METER	LAWN
1050	37TH ST				NO METER	LAWN
1051	37TH ST	0.75		25' NSLL - Shut off 5' WELL	NO METER	LAWN
1103	37TH ST				NO METER	LAWN
1106	37TH ST	0.75		34' SNLL - 4' EWLL	NO METER	LAWN
1109	37TH ST	1.0		20' SNLL, 5' WELL	NO METER	LAWN
1119	37TH ST	2 WV	493' SSPL of J Street	21' NSLL, 7' WELL	NO METER	LAWN
1120	37TH ST	1.0	493' SSPL J Street		NO METER	LAWN
1124	37TH ST	1.0	46' NSLL, 34' SNLL, 1' EWPL	31' SNLL, 1.5' EWPL in Box	NO METER	LAWN
1125	37TH ST	0.75		30' NSLL & 2' WEPL in ROW in standpipe	NO METER	LAWN
1132	37TH ST				NO METER	LAWN
1133	37TH ST	0.75	20' SNLL on ELL	20' SNLL, 4' WELL in standpipe	NO METER	LAWN
1141	37TH ST	0.75		3' WEPL, 3' NSLL of 37th Street	NO METER	LAWN
1142	37TH ST	0.75	13 1/2' NSLL &2' EWLL	13' NSLL & 3' EWPL in S/P	NO METER	LAWN
1148	37TH ST				NO METER	LAWN
1151	37TH ST	1.0	689' SSPL J Street		NO METER	LAWN
1154	37TH ST	0.75		23' 6" NSLL, 4' EWPL in ROW	NO METER	LAWN
1159	37TH ST	1.0	166' N N curb of N Street 42' S of NPL	3' W of 6" Main	NO METER	LAWN
1160	37TH ST	0.75		5' EWPL, 23' SNLL in box	NO METER	LAWN
				1) 22' NSLL - 2.5' WEPL in c/s box (4/25/06)		
				2) 22' NSLL, 2' WEPL in box (3/16/06)		
1165	37TH ST	0.75	20 1/2' NSLL, 6" EELL of 1165 37th Street	3) 22' NSLL, 2' WELL of 1165 37th Street	NO METER	LAWN
1166	37TH ST	0.75	12' SNLL, 5' EWPL of lot	14' SNLL, 31' NSLL, 5' EWPL in c/s box	NO METER	LAWN
1174	37TH ST	0.75	20' NSLL & 2' EWPL of 37th Street	20' NSLL & 4' EWPL of 37th Street	NO METER	LAWN
1175	37TH ST	0.75		18' SNLL & ELL of Lot	NO METER	LAWN
1180	37TH ST	0.75	13' SNLL-2'EWLL	13'SNLL-4'EWLL in box	NO METER	LAWN
1181	37TH ST	0.75	38' 6" NNC of M Street on ELL		NO METER	LAWN
1300	37TH ST			w/v: 43' SSC of M St, 5' WWC of 37th St in standpipe	NO METER	LAWN
1301	37TH ST				NO METER	LAWN
1302	37TH ST	1.0	711' NNPL Folsom Blvd	WPL 37th Street	EMETERBOX	N/A
				1) 18' NSLL, 2' WEPL in c/s box (11/8/05)		
1303	37TH ST	1.5	18' NSLL, 1' WEPL (11/8/05)	2) enters property 18' NSLL in ROW (11/7/05)	NO METER	LAWN
1304	37TH ST	1.0	140' SSPL of M Street or 144' 6" SS curb of M Street 1	WPL of 37th Street	NO METER	LAWN
1305	37TH ST			6' NSLL - 4' WELL inSstandpipe	NO METER	LAWN
1306	37TH ST			35' NSLL & 6' WWC of 37th Street	NO METER	LAWN
1307	37TH ST	1.0		28' NSLL, 6' WELL	NO METER	LAWN
1308	37TH ST	1.0	WPL	7' WWC of 37th St, 18' SNLL in box	NO METER	LAWN
1309	37TH ST	1.0	13' SNLL - 1' WEPL of Lot	Wheel Valve 19' SNLL on EPL in box	NO METER	LAWN
1316	37TH ST	1.0	5' E of WC of 37th Street	1' W of WLL- 27' SNLL - 20' NSLL, 6.5' WWC in a s/p	NO METER	LAWN
1317	37TH ST	1.0	25' NSLL - 3' WELL	25' NSLL - 6' WELL in Standpipe	NO METER	LAWN
1324	37TH ST	1.0	5' EWC, 15' SNLL	6 1/2' WWC, 15' SNLL	NO METER	LAWN
1325	37TH ST	1.0	44' NSLL - 6' SNLL	4' WELL	EMETERBOX	LAWN
1332	37TH ST	1.0	545' NNPL of Folsom Blvd		NO METER	LAWN
1335	37TH ST	1.0		5' WELL - 7.5' NSLL	NO METER	LAWN
				1) 24' SNLL, 26' NSLL, 6' WELL, 3' W Main in s/p (8/9/05)		
1341	37TH ST	1.0	24' SNLL, 26' NSLL	2) Same as Corp - 6' WELL, 3' W Main in standpipe	NO METER	LAWN
1348	37TH ST	1.0	26' SNLL, 19' NNPL of Alley, S EWC of 37th Street	26' SNLL, 19' NNPL of Alley, 6' WWC of 37th Street	NO METER	LAWN
1349	37TH ST	1.0		16' 5" NSLL & 6' WEPL of Lot	NO METER	LAWN
1400	37TH ST				NO METER	LAWN
1401	37TH ST	0.75		6' NSLL - 4' WELL - Under rabbit hutch	NO METER	LAWN
1409	37TH ST	0.75	30' NSLL - 2' WELL	30' NSLL - 4' WELL	NO METER	LAWN
1410	37TH ST	2.0		1' NSLL - 6' WWC 37th Street	NO METER	LAWN
1417	37TH ST	1tap	23' SNLL & 27' NSLL, & 1' WELL	24' SNLL & 26' NSLL & 6' WELL	NO METER	LAWN
1424	37TH ST	2.0		1' SNLL & 7' WWCb of 37th Street	NO METER	LAWN
1425	37TH ST				NO METER	LAWN
1438	37TH ST	1		3 1/2' SNLL 2' Behind sidewalk in standpipe	NO METER	LAWN
1440	37TH ST	1.0	141' NNC Folsom Blvd	31' SNLL & 9' NSLL, 1' WWPL 37th Street	NO METER	LAWN
1441	37TH ST	1.5		72' EWLL, @ SPL of Alley	NO METER	LAWN
1450	37TH ST	1.0		22' NSLL 1' back of walk in S/P 22' 6" NSLL - 1' WW Sidewalk of 37th	NO METER	LAWN
			78' NNC Folsom Blvd - 5' NSLL - 32' E of main or at			
1451	37TH ST	1.0	EPL 37th Street	6' NSLL & Under curb No	NO METER	LAWN
1460	37TH ST				METERED	N/A
810	38TH ST	1.0		14' SNLL & 6' WWC of 810 38th Street	NO METER	SIDEWALK
817	38TH ST	0.75	20' WEC 38th Street	5' 6" SNPL - 46' 9" NSPL - 7' 4" EEC of 38th Street	NO METER	SIDEWALK
818	38TH ST	1.0		18' 6" SNLL & 5' WWC, 30' NSLL	NO METER	SIDEWALK
824	38TH ST	0.75	7' EWC - 17' NSLL	17 NSLL, 6' WWC of 38th Street (meter box)	NO METER	SIDEWALK
825	38TH ST	1.0	At Main - 6' EWC of 38th Street	28' 6" SNLL of 22' NSLL	NO METER	SIDEWALK
832	38TH ST	0.75	341' SSPL H Street	WPL 38th Street	NO METER	SIDEWALK
835	38TH ST	1.0	25' WEC & 15' NSLL	15' NSLL - 6' EEC, Back of Sidewalk	NO METER	SIDEWALK
840	38TH ST	1.0	10' 6" EWPL of 38th Street	40' SNLL - 8' NSLL - 1' WWPL of 38th Street	NO METER	SIDEWALK
841	38TH ST	1.0		6 EEC - 5' EEC in box	NO METER	SIDEWALK
848	38TH ST	1.0		G/V: 39' NSLL, 5' WWC of 38th St	NO METER	SIDEWALK
851	38TH ST	1 P	24' NSLL - 24' SNLL - 5 1/2' EWC	25' NSLL - 23' SNLL - 5' EEC	NO METER	SIDEWALK
857	38TH ST	1.0	374' SS curb of H Street	EPL 38th Street	NO METER	SIDEWALK
862	38TH ST	1.0	46' NSLL - 2' SNLL - 5' EWC 38th Street	Same & 7' WWC in s/p	NO METER	SIDEWALK
900	38TH ST	1.0		5' SNLL, 5' WWC of 38th Street	NO METER	SIDEWALK
903	38TH ST	1.0		1' 6" NSLL & 1' 6" EEPL of 38th Street	NO METER	SIDEWALK
910	38TH ST	1.0		9' NSLL & 2' Back of walk in drive in box	NO METER	SIDEWALK
916	38TH ST	1.0	Same as corp and at WPL of 38th Street	35' SNLL and 18.6' SNLL	NO METER	SIDEWALK
917	39TH ST				NO METER	SIDEWALK
924	38TH ST	1.5		52' WWC of 38th Street, 6' S S wall of bldg (in standpipe)	NO METER	SIDEWALK
925	38TH ST	1.0	Same	32' SNLL 14' NSLL	NO METER	SIDEWALK
936	38TH ST	1.5	71' WWPL of 38th Street	S Rt of Way	NO METER	SIDEWALK
937	38TH ST	1.0	12'SNLL 25'WEC	12'SNLL 5'EEC in box.	NO METER	SIDEWALK
938	38TH ST	1.0	114' NNC J Street 98' NNPL J Street 28' SNLL	Same as corp cock - at W Curb 38th Street	METERED	N/A
939	38TH ST	1.0	1 1/2' NNPL of J Street	31' E of Main at EPL of 38th Street	NO METER	SIDEWALK
967	38TH ST	1 1/2" on 2 1/2"		93' NNC of J Street; 5' EEC of 38th street	E METER BOX	N/A
1012	38TH ST	1.0	3' SNLL, 1' EWPL of 1032 38th St	151' SSC of Jst, 4' EWPL of 1032 38th St in c/s box	NO METER	PARK STRIP
1020	38TH ST	1.5	1' EWPL 1' NNPL of 1030 38th Street	4' EWIL ON SPL IN ROW	NO METER	PARK STRIP

1032	38TH ST	1.0	178' SSC J Street 164' SSPL J Street 22' NSLL	Same as corp cock - at ELL	NO METER	PARK STRIP
1044	38TH ST	1.5	218' SSPL of J st	38'WWC of 38th St-1.5 NNLL	NO METER	PARK STRIP
1045	38TH ST	1		1) 12' SNLL, 2' EEPL in ROW in sp behind garage (1/26/06) 2) 12' SNLL - 2' EEPL in ROW in Standpipe behind grange	NO METER	PARK STRIP
1049	38TH ST	1.5	25' NSLL & 2' WEPL of 38th Street	25' NSLL & 7' WEPL of 38th Street	NO METER	PARK STRIP
1050	38TH ST	1.0		23' NSLL - 6" EWLL	NO METER	PARK STRIP
1056	38TH ST	1.5	256' So of So PL of J Street		NO METER	PARK STRIP
1081	38TH ST	2.0	2' WELL Over----->1 1/2" at 57 1/2" NSLL & 68 1/2' SNLL for the house service. Renewed to copper & installed new gate valves at 1081 38th St- North & South locations at 5' WELL	2' at 83' SNLL & 38' SNLL - for Irrigation	NO METER	PARK STRIP
1101	38TH ST	1.25	1' 6" WEPL in Right of Way	26' SNLL - 26' 6" NSLL - 5' WEPL in Right of Way	NO METER	PARK STRIP
1104	38TH ST	2.0	2'SNLL, 1'WWPL of 1113 37th St	2' SNLL, 3'EWPL of 1112 38th St in box.	NO METER	PARK STRIP
1109	38TH ST	1.5	10' SNLL, Service cock is 2 1/2 ' W of Main		NO METER	PARK STRIP
1112	38TH ST	2.0	2'SNLL , 1'WWPL of 1111 37th St	3' EWPL 2' SNLL of 1112 38th St in C/S box	NO METER	PARK STRIP
1117	38TH ST	1.25	36' SNLL - 10' NSLL - 2' WEPL	5' WEPL	NO METER	PARK STRIP
1120	38TH ST	1.5	1' EWPL 1' NNPL of 1030 38th Street	Valve - 24' NSLL - 26' SNLL - 4' EWPL of 38th Street	NO METER	PARK STRIP
1125	38TH ST	1.5	19' NSLL & on EPL of 1125 38th Street	Under Garage floor	NO METER	PARK STRIP
1130	38TH ST	1.0		1=2' EWLL, 25' SNLL #2 2' EWLL, 27' SNLL	NO METER	PARK STRIP
1137	38TH ST	1.5		Water service 7' NSLL, 6' WELL	NO METER	PARK STRIP
1140	38TH ST	1.5	2' SNLL, on WLL of 1140 38th Street	2' SNLL, 3' EWLL of 1140 38th Street	NO METER	PARK STRIP
1141	38TH ST	1.5	22' SNLL & 5' 6" WELL on ROW - 114138th Street	Valve - 21' SNLL, 8' WELL on ROW 1141 38th Street	NO METER	PARK STRIP
1149	38TH ST	1.5		1) 10' NSLL, 3' WEPL in s/p (3/28/07) 2) 11' NSPL of Lot, 3' WEPL of Lot	NO METER	PARK STRIP
1150	38TH ST	1.0	25' NSLL, 26' SNLL on ELL	25' NSLL, 26' SNLL, 25 WELL	NO METER	PARK STRIP
1200	38TH ST	1.5	28' SNLL - 1' WELL	28' SNLL - 3' EWLL in box	NO METER	PARK STRIP
1209	38TH ST	1.5				PARK STRIP
1210	38TH ST	1.0		21' SNLL, 30' WELL of 1175 37th Street	NO METER	PARK STRIP
1215	38TH ST	1.5		22 1/2' SNLL & 2' WELL in square box under tile	NO METER	PARK STRIP
1216	38TH ST	1.25		4' EWLL & 4' NSPL of 3717, M Street	NO METER	PARK STRIP
1217	38TH ST	2.0		35' NNC of M Street, 3' WEPL of 1217 38th Street	NO METER	PARK STRIP
1300	38TH ST	1.5	36' SSPL M Street	18' NSLL - WLL	NO METER	PARK STRIP
1301	38TH ST	1.5	1 1/2' Corp - 57' SSC M Street, 10' NSLL & 3' EELL	1 1/2' valve - 57' SSC M Street, 10' NSLL & 1'6" WELL	NO METER	PARK STRIP
1302	38TH ST	1.5		103' SSPL - M Street, 2' NSLL, 4' E of pole line in Easement 1) 7' SNLL - 2' WELL in planter (7/12/06)	NO METER	PARK STRIP
1303	38TH ST	1.25		2) 6' SNLL, 2 1/2' WELL	NO METER	PARK STRIP
1306	38TH ST	1.5		19' NSLL - 4' EWLL - 1306 38th Street	NO METER	PARK STRIP
1308	38TH ST	2.0	636' NNPL Folsom Blvd	241' SSPL of M Street and 8' NSPL of Lot on WLL	NO METER	PARK STRIP
1311	38TH ST	2 WV		34' NSLL & 5' WELL	NO METER	PARK STRIP
1315	38TH ST	1.25		WV 46' NSLL - 5' WEPL	NO METER	PARK STRIP
1316	38TH ST	1.5	3' WWPL, 4' NSLL	3' EWPL, 4' NSLL in box	NO METER	PARK STRIP
1330	38TH ST	2.0		38 1/2' NSLL, on 38th SNLL, 5' EWPL in box	NO METER	PARK STRIP
1335	38TH ST	1.5	51' SNLL - 23' NSLL - 1' WEPL in ROW	Valve - 51' SNLL - 23' NSLL - 4' WEPL in ROW	NO METER	PARK STRIP
1340	38TH ST	2.0		30 1/2' SNPL of Lot, 2' EWPL of Lot	NO METER	PARK STRIP
1345	38TH ST	1.5	441' NNPL Folsom Blvd	No Curb Cock	NO METER	PARK STRIP
1348	38TH ST	1.5	15 1/2' SNLL & 2 1/2' WELL of 1349 37th Street		NO METER	PARK STRIP
1355	38TH ST	2 W V		4' NSLL & 4' WELL	NO METER	PARK STRIP
1400	38TH ST	1.5		26' NSLL & 24' SNLL, 2' EWPL	NO METER	PARK STRIP
1401	38TH ST	1.0		27' SNLL, 1' EEPL in box	NO METER	PARK STRIP
1408	38TH ST	1.5		17' SNLL, 1' EWLL tied into 1 1/2' House service	NO METER	PARK STRIP
1415	38TH ST	2.0		23' SNLL or 47' NSLL, 1' WEPL of Lot	NO METER	PARK STRIP
1424	38TH ST	1.5	Gate valve - 27' SNLL & 2' EWLL in pipe	1) WV loc: 6' EWPL, 30' SNLL in c/s box (8/15/05)	NO METER	PARK STRIP
1435	38TH ST	2.0	22' NSPL on EPL under fence	22' NSPL, 3' WEPL in C/S box 1 1/2" W V 12' NSLL, 2' WEPL	NO METER	PARK STRIP
1440	38TH ST	1.5	14' NSPL of alley, 1' W of pole line	4' EWPL, 2' NSPL of alley in box 1) 19' NSLL - 8' WEPL in c/s box (4/25/06)	NO METER	PARK STRIP
1447	38TH ST	1		2) 19' NSLL & 8' WELL	NO METER	PARK STRIP
1448	38TH ST	1.0		6' NNPL of Folsom, 7' EWPL of 38th Street 1) 13' NNCc of Folsom Blvd., 4' WELL of 3835 Folsom in c/s box (3/7/06) 2) 13' NNC Folsom Bl, 4' WWPL of 3855 Folsom Blvd. in c/s box (3/6/06) 3) 13' NNC of Folsom Blvd., 4' WELL of 3835 Folsom Blvd. (1/10/06)	NO METER	PARK STRIP
1457	38TH ST	1.0	16' NNC of Folsom Blvd & 2 1/2' WELL of 3835 Folsom		NO METER	PARK STRIP
1462	38TH ST	1.0	8' EWC 38th Street	6' NNPL Folsom - 6' EWPL 38th Street	NO METER	PARK STRIP
200	39TH ST	1.0	55' SS Curb of C Street, 34' NSPL of Lot	WPL of 39th Way	NO METER	SIDEWALK
300	39TH ST	1.0	187' N of N curb Meister Ave 11' N of SLL	2 1/2 W of main	NO METER	SIDEWALK
1033	39TH ST	2.0		2' Gate Valve - 19' SNLL & 7' WWCb of 39th Street	NO METER	CONC ALLEY
1040	39TH ST		AC PARKING LOT		NO METER	N/A
1043	39TH ST	0.75		32' SNLL & 22' NSLL 39th Street on WPL of Alley	NO METER	CONC ALLEY
1047	39TH ST	1.0	31' NNC of 'K' Street, 34' SNLL of 3911 'K' Street, 8' 4"	31' NNC of 'K' Street, 34' SNLL of 3911 'K' Street WPL of Alley	NO METER	CONC ALLEY
1100	39TH ST	2.0		159' SNLL & 6' EWLL of 1100 39th Street	NO METER	SIDEWALK
1101	39TH ST			WPL of Alley, 29' SSC of 'K' Street at 1101 39th Street	NO METER	UNIMPROVED ALLEY
1109	39TH ST	1.5	90' SSC of "K" Street - 8' EWPL of Alley	90' SSC of I"K" Street on WPL of Alley	NO METER	UNIMPROVED ALLEY
1117	39TH ST	1.5		4' SNLL, on WPL of Alley in Standpipe	NO METER	UNIMPROVED ALLEY
1127	39TH ST	1.5		20' SNLL & 30' NSLL & 2' EWPL of Alley	NO METER	UNIMPROVED ALLEY
1133	39TH ST	1.5		27' SNLL - 24' NSLL - Line out to Alley	NO METER	UNIMPROVED ALLEY
1141	39TH ST	1.0		101' NNC of 'L' Street, 8' EWPL of Alley	NO METER	UNIMPROVED ALLEY
1146	39TH ST	2.0		48' NSLL & 4' EWPL in C/S Box 1) 10' SNLL, @ WLL,	NO METER	SIDEWALK
1152	39TH ST	2-services		2) 41' SNLL, @ WLL	NO METER	SIDEWALK
1153	39TH ST	1.0		1' NNPL of "L" Street or 5' NNCb of 'I' Street at the WPL of Alley	NO METER	UNIMPROVED ALLEY
1201	39TH ST	1.0		wv: 50'SSC of L Street, 1'WEPL of alley in C/S box.	NO METER	CONC ALLEY
1204	39TH ST	1.0		57' NSLL, 3' EWLL In Standpipe	NO METER	SIDEWALK
1208	39TH ST	1.0		17' NSLL - 2' EWPL	NO METER	SIDEWALK
1213	39TH ST	1.5	104' NNPL of M St	WV=88' SSC of L Street, 43' NSLL, On WPL of Alley	METERED	N/A
1216	39TH ST			2 1/2' SNLL, 3' E of 6" Main in ROW 38th, 39th, "J" & 'M' Streets	NO METER	SIDEWALK
1231	39TH ST	1	100' EEPL 39th Street	NPL Alley	NO METER	CONC ALLEY
1300	39TH ST	1.5	64' S Curb of M Street, 59 1/2' S of SPL M Street	4' E of Main - 8' E of WLL	NO METER	SIDEWALK
1303	39TH ST	1.0		81' SSCb of 'M' Street, WPL of Alley	NO METER	CONC ALLEY
1304	39TH ST	1.5	60' SNLL - 6' EWLL	62' SNLL - 7' EWLL standpipe	NO METER	SIDEWALK
1305	39TH ST	1.0		134' SSCb of "M" Street, 6' NSLL, WPL of Alley	NO METER	CONC ALLEY
1306	39TH ST	1.5	634' NNPL Folsom Blvd		NO METER	SIDEWALK
1307	39TH ST	1.0	90' SSPL M Street, 221' NNPL "N" Street	WPL	NO METER	CONC ALLEY
1315	39TH ST	1.0	91' SSPL M Street, 220' NNPL of "N" Street	10' NSLL on WPL of Alley	NO METER	CONC ALLEY
1320	39TH ST	1.0	42' NSLL & 1' WWPL of ROW	42' NSLL, 2' EWPL of ROW	NO METER	SIDEWALK
1325	39TH ST	1.5	500' NNPL Folsom Blvd		NO METER	CONC ALLEY
1330	39TH ST			23' SNLL- 1' EWLL	NO METER	SIDEWALK
1334	39TH ST		24' NSLL, 52' SNLL & 1' WWLL	24' NSLL, 52' SNLL, & 3' EWLL	NO METER	SIDEWALK
1335	39TH ST	1.5	148' NNCb of 'N' Street	5' W of Main at WPL of Alley	NO METER	CONC ALLEY

1341	39TH ST	1.0		88' NNPL of 'N' Street, 92' 6" NNCb of "N" Street	NO METER	CONC ALLEY
				1) 22' snll - 6' ewll in concrete c/s box (1/30/07)		
			37' 8" in N of SPL of N Street, 3' N of N Cb of N	2) 23' snll - 4' ewpl in box (01/02/07)		
1344	39TH ST	1.0	Produced East	3) 23' SNLL	METERED(BY	SIDEWALK
1348	39TH ST	0.75	330' NNPL Folsom Blvd	330'NNPL of Folsom Blvd.,19'SNLL,E Rt of Way	NO METER	SIDEWALK
1355	39TH ST		6' EWPL of Alley - 6' NNC of N Street	6' NNC of N Street - 1' EWPL of Alley	NO METER	CONC ALLEY
1400	39TH ST	1.5		WV: 18 1/2' SN 8' E of E	NO METER	SIDEWALK
1408	39TH ST	1.5	250' NNPL Folsom Blvd.	7' EWPL, 15" SNLL in C/S box	NO METER	SIDEWALK
1416	39TH ST	1.5		8' SNLL & 6' EWPL in c/s box in ROW	NO METER	SIDEWALK
				1) WV: 60' WWC 39th St. in alley N side property,		
				triangle box (5/27/05)		
1428	39TH ST	1.5	Same as corp and at SPL of Alley	2) 60' WW Cb of 39th Street and 124' E of W Lot Line	NO METER	SIDEWALK
1003	40TH ST	1.5		25' SSC of 'J' Street & 5' EEPL	NO METER	SIDEWALK
1020	40TH ST	1.0	24' SNLL on WLL	5' NSLL, 5' EWLL in c/s Box	NO METER	SIDEWALK
1021	40TH ST	1.0	17'SNLL	19'SNLL, 1'WEPL in c/s box	NO METER	SIDEWALK
1025	40TH ST	1.5	4 1/2'EEPL-6 1/2'NSLL	6 1/2'NSLL-1'WEPL in row	NO METER	SIDEWALK
1028	40TH ST	1.0	2' EWPL, 3' SNLL		NO METER	SIDEWALK
1034	40TH ST				NO METER	SIDEWALK
1035	40TH ST	1.0		21' SNLL - 2' WELL	NO METER	SIDEWALK
1044	40TH ST	1.0	21' NSLL, 1' EWPL	21' NSLL, 5' EWPL	NO METER	SIDEWALK
1045	40TH ST	1.5	281' SSPL J Street	No Curb cock	NO METER	SIDEWALK
1054	40TH ST	2.0	2	10' EWPL- 5' SNLL in Box	NO METER	SIDEWALK
1058	40TH ST	1.5	337' SSPL J Street	None	NO METER	SIDEWALK
1063	40TH ST	1.5	40' SNLL - 3' EEPL	40' SNLL, 1' WELL in standpipe	NO METER	SIDEWALK
1069	40TH ST	0.75	17' SNLL - 3' EELL	22' SNLL - 1' WELL	NO METER	SIDEWALK
1100	40TH ST				NO METER	SIDEWALK
1103	40TH ST	1.0		8' NSLL - 2' EEPL in pipe	NO METER	SIDEWALK
1109	40TH ST				NO METER	SIDEWALK
1112	40TH ST			3' EWLL & 20' NSLL	NO METER	SIDEWALK
1120	40TH ST	1.5	425' NNPL of M Street (center of Lot)	Rt. of Way	NO METER	SIDEWALK
1121	40TH ST	1.5		24' SNLL on ELL in standpipe	NO METER	SIDEWALK
1127	40TH ST	2.0	31' NSLL - 2' 6" EELL	20' SNLL, on EPL of ROW in standpipe	NO METER	SIDEWALK
1128	40TH ST	1.5	17'NSLL in ROW	3' NSLL, 3' EWPL in box	NO METER	SIDEWALK
1135	40TH ST	1.0	18' SNLL - 32' NSLL - 5' EELL	6' W of Main- 2' WELL	NO METER	SIDEWALK
1138	40TH ST			3 1/2' NSLL & to WPL of 40th Street	NO METER	SIDEWALK
1140	40TH ST	1.25	19' SNLL & 31' NSLL	19' SNLL & 31' NSLL - 5' EWPL of Lot	NO METER	SIDEWALK
1141	40TH ST	0.75		19' SNLL & 1' WELL	NO METER	SIDEWALK
				1) 25' SNLL, 2' EWPL in c/s box (11/1/05)		
1200	40TH ST	1.5	25' SNLL on WPL (11/1/05)	2) 37' SNLL, 2' NNPL of 'L' Street	NO METER	SIDEWALK
1207	40TH ST	1.0	206' NNPL of M Street or 210' 6" NN Curb M Stree t, 5'	2' W of ELL	NO METER	SIDEWALK
1210	40TH ST	1.5		38' NSLL - 12' SNLL - 4' EWPL of 40th Street	NO METER	SIDEWALK
1211	40TH ST	1.5		1' 6" SNLL & 1' WEPL	NO METER	SIDEWALK
1217	40TH ST	2.0	7' NSLL of 1212 - 41St & 3' EWLL of 1212 41st	20' NSLL of 1217 40th & 12' WELL of 1217 40th	NO METER	SIDEWALK
1224	40TH ST				NO METER	SIDEWALK
1225	40TH ST			32' NSPL of Lot - 6' EEPL of Lot	NO METER	SIDEWALK
1230	40TH ST	1.5	21' NNPL M st. on WPL	21' NNPL of 'M' Street, 3' EWPL of Lot	NO METER	SIDEWALK
1233	40TH ST	2.0	34' NNC of M Street, 6' EWPL	30' NNC of M Street, 1' WEPL in c/s Box	NO METER	SIDEWALK
1300	40TH ST	1.0	4' NSLL - 1 1/2' EWLL	12' EWLL, 5' SSC in sidewalk (8/1/91)	NO METER	SIDEWALK
1308	40TH ST	1.5		5' NSPL, 3' EWPL in Standpipe	NO METER	SIDEWALK
1309	40TH ST	1 cu	80' SS Curb of M Street, 321/2' NSPL of Lot	5' W of Main	NO METER	SIDEWALK
1310	40TH ST	1.0	1' SNLL & EWPL	2' SNLL & 4' EWPL	NO METER	SIDEWALK
1321	40TH ST	1.0		1) 8' SNLL, 7' WEPL in box (9/28/05)2) 24' NSLL & on EPLL	NO METER	SIDEWALK
1324	40TH ST	1.5		22.8' SNLL & 5' EWLL	NO METER	SIDEWALK
1325	40TH ST	1.0		13 1/2' SNLL & 4 1/2' WEPL in rear	NO METER	SIDEWALK
1332	40TH ST	1.5	241' No of NPL of "N" Street	None	NO METER	SIDEWALK
1335	40TH ST			1 1/2" WV 2' WEPL - 2' NSLL in meter box	NO METER	SIDEWALK
1340	40TH ST	1.0	31' NSLL - 1' EWPL	Same - 1' EWPL	NO METER	SIDEWALK
1341	40TH ST	1.5	24' SNLL - 4' EELL	25' NSLL & 28' SNLL & 4' WELL in Box	NO METER	SIDEWALK
1348	40TH ST	1.5	18'SNLL, 1'EWPL	1) 18' SNLL, 3' EWPL in s/p (11/2/05)2) 18'SNLL, 3'EWPL in C/S box/	NO METER	SIDEWALK
1351	40TH ST	1.5		5' SNLL & 1' WELL of 1351 40th Street	NO METER	SIDEWALK
1357	40TH ST	1.5		15' SNPL of Lot, 2' WEPL of Lot	NO METER	SIDEWALK
1358	40TH ST	2.0		3' EWLL - 13' SNLL	NO METER	SIDEWALK
1367	40TH ST	1.0		11' SNLL, @ ELL	NO METER	SIDEWALK
1373	40TH ST	1.5		1'6" NSLL & 1'6" WEPL in ROW	NO METER	SIDEWALK
1400	40TH ST	2.0		14' SNLL - 6' EWPL in valve Box	NO METER	SIDEWALK
1401	40TH ST	1.0	3' 4" N of SLL, 10" S of NLL	1) 11' SNLL, 2' WEPL in s/p (08/30/05)2) 2" WELL, Main is 5" E of ELL	NO METER	SIDEWALK
1414	40TH ST	1.5		Gate Valve: 32' NSLL, 3' EWPL	NO METER	SIDEWALK
1415	40TH ST	1.5	4' SNLL & 6' WELL - 1408 41st Street	3' SNLL & 5' WELL of 1415 40th Street	NO METER	SIDEWALK
				47' SNLL, 2' EWPL in S/P :Controls rear irrigation.		
1422	40TH ST	2.0		(See also 1 1/2" Tap: Controls house & front irrigation.)	NO METER	SIDEWALK
1425	40TH ST	1.5		40' NSLL & 2' EELL standpipe	NO METER	SIDEWALK
1430	40TH ST	1.5		2 1/2' NSLL, 2 1/2' EWLL in ROW of 40th Street	NO METER	SIDEWALK
1440	40TH ST				NO METER	PARK STRIP
1441	40TH ST	2.5		1) 7' SNLL - 1' WEPL in SP (10/4/06)	NO METER	PARK STRIP
3107	B ST				NO METER	LAWN
3116	B ST				NO METER	CONC ALLEY
3117	B ST				NO METER	LAWN
3119	B ST					LAWN
3123	B ST					LAWN
3126	B ST				NO METER	CONC ALLEY
3132	B ST					CONC ALLEY
3140	B ST					CONC ALLEY
3148	B ST					CONC ALLEY
3156	B ST	1.0		Wheel Valve 22' EWLL - 1' SNPL Alley	NO METER	CONC ALLEY
3163	B ST	1.0	24' WELL - 1' NNC "B" Street	25' WELL - 4' NNC "B" Street	NO METER	LAWN
3164	B ST				NO METER	CONC ALLEY
3166	B ST	0.75		5' EWLL - @ NPL of alley in S/P - 139' WWC	NO METER	CONC ALLEY
3167	B ST	0.75	115' WWPL of 32nd Street	NPL Alley	NO METER	LAWN
3187	B ST	3/4 WV		W/V - 33' EWLL, 1' NNC of B St	NO METER	LAWN
3195	B ST	1.0	16' SNC of B Street, 29' EWLL	2' NNC of B Street, 29' EWLL	METERED	N/A
3199	B ST	1.0	93' EWPL 32 Street 72' EW Cb.	6' 6" W of E LL	NO METER	LAWN
3201	B ST	1.0	7 1/2' WWLL B Street - 2' NNC B Street	5' NNC B Street - 9' WWLL	NO METER	LAWN
3202	B ST				NO METER	CONC ALLEY
3204	B ST			103' EEC 32nd Street 1' SNPL Alley	NO METER	CONC ALLEY
3217	B ST			16' WELL - NPL Alley	NO METER	LAWN
3229	B ST	0.75		3/4" Gate Valve 17' EWLL - 2' NNC B Street	NO METER	LAWN
3240	B ST	1 + Meter		234' EEC of 32nd, Cu NPL of Alley	METERED	CONC ALLEY
3249	B ST	0.75		22' WELL at NPL of Alley	NO METER	LAWN
3255	B ST	1.0	43' EWLL - 16' WELL - 18" NNC B Street	Same	NO METER	LAWN
3264	B ST	1.0		1' NNC B Street - 2' EELL	NO METER	CONC ALLEY
3271	B ST				NO METER	LAWN
3272	B ST	0.75		70' WWPL 33rd Street 12' EWLL NPL Alley	NO METER	CONC ALLEY
3280	B ST	1.0		16' NNC B Street WPL 33rd Street	NO METER	CONC ALLEY

3287	B ST	1.0	4' EE Curb of 33rd Street	NPL of Alley W of 33rd Street 1.1) 15' EEC o/Alhambra - 1' SNPL o/alley in c/s box (9/18/06) 1.2) 15' EEC o/Alhambra on NPL o/alley (9/18/06)	NO METER	LAWN
3100	C ST	0.75	1' EEPL 31st Street	2) Back N curb C and D Alley	NO METER	CONC ALLEY
3101	C ST	0.75		68' EEC Alhambra - SPL Alley	NO METER	CONC ALLEY
3106	C ST	0.75		80' EEC of Alhambra - 1' NNPL of Alley	NO METER	CONC ALLEY
3109	C ST	0.75	64' EEPL 31st Street	NPL Alley	NO METER	CONC ALLEY
3116	C ST	0.75	116 1/2' EEPL Alhambra Blvd	3 1/2' WEPL - NPL Alley	NO METER	CONC ALLEY
3117	C ST	1.0	101' EEPL 31st Street	SPL B and C Alley	NO METER	CONC ALLEY
3128	C ST	0.75	NPL	24 1/2' EWLL - 1' NNPL of Alley	NO METER	CONC ALLEY
3131	C ST	0.75		C/S in Concrete al Box At 21' WELL - 17' EWLL - SPL Alley	NO METER	CONC ALLEY
3132	C ST	0.75	18' WELL - 22' EWLL - 7' SNPL Alley	Same - 1' NNPL Alley	NO METER	CONC ALLEY
3137	C ST	1.0	182' EEPL 31st Street		NO METER	CONC ALLEY
3140	C ST	0.75	223' EEPL 31st Street	21' EWLL on SPL on alley in box	NO METER	CONC ALLEY
3143	C ST	1.0	2' S of NPL of Alley	6" S of S Alley - 25' E of WLL - 15' W of ELL	NO METER	CONC ALLEY
3148	C ST	1.0		14 1/2" EWLL - on NPLL of Alley	NO METER	CONC ALLEY
3149	C ST				NO METER	CONC ALLEY
3158	C ST	0.75		3/4" Gate Valve 19 1/2' EWLL - 6" NNPL Alley	NO METER	CONC ALLEY
3159	C ST	1.0		1 1/2' WELL, on SPL of Alley in Standpipe	NO METER	CONC ALLEY
3167	C ST				NO METER	CONC ALLEY
3170	C ST				NO METER	CONC ALLEY
3173	C ST	1.0		15'EWLL, 1'SSPL Alley in box	NO METER	CONC ALLEY
3176	C ST	1.0	121' WWPL of 32nd Street or 143' WW Curb of 32nd S	2' E of WLL - NPL of Alley	NO METER	CONC ALLEY
3180	C ST	0.75	80' WWPL 32nd Street	NPL C and D Alley	NO METER	CONC ALLEY
3181	C ST	0.75		103' WEC of 32nd St-1'SSPL of alley in s/p	NO METER	CONC ALLEY
3188	C ST	1.0		15' WWC of 32nd Street 1' NNPL of Alley	NO METER	CONC ALLEY
3189	C ST	0.75		79' WWPL 32nd Street 102' WWC 32nd Street 1' SSPL Alley	NO METER	CONC ALLEY
3200	C ST	1.0	18' EE Curb of 32nd Street	NPL of Alley	NO METER	CONC ALLEY
3201	C ST	1.0	24' EE Curb of 32nd Street	Back of S Curb of Alley	NO METER	CONC ALLEY
3204	C ST				NO METER	CONC ALLEY
3209	C ST	0.75	Same As C/S - 11' NSPL Alley	81' EEPL 32nd Street 102 1/2' EEC - 6" WELL	NO METER	CONC ALLEY
3216	C ST	1.0		12' WELL - 1' SNPL of Alley	NO METER	CONC ALLEY
3219	C ST	1.0		135 1/2' EEC 32nd Street	NO METER	CONC ALLEY
3224	C ST	1.0	162' EE Curb of 32nd Street	NPL of Alley	NO METER	CONC ALLEY
3225	C ST	1.0		10' WELL - SPL of Alley	NO METER	CONC ALLEY
3232	C ST	1.0	188' EE Cb. 32nd Street, 3' EWLL	NPL of Alley	NO METER	CONC ALLEY
3233	C ST	1.0		20' WELL, 1' NSLL	NO METER	CONC ALLEY
3240	C ST	1.0		231' WWPL 33rd Street 8' EWPL - NPL Alley 1a) 21' ewll - 19' well on spl o/alley (3/13/07) 1b) 27' well - 1' nspl o/alley (3/13/07) 2) 19' WELL SPL alley (9/6/05)	NO METER	CONC ALLEY
3241	C ST	1.0	Same As Curb - 11' NSPL Alley	3) 222' EEPL 32nd Street 243 1/2' EEC 22' WELL	NO METER	CONC ALLEY
3248	C ST	1.0		8' EWPL, 32'WELL, NPL Alley in box	NO METER	CONC ALLEY
3249	C ST	1.0		26' WELL - SPL Alley 1) 2' EWLL, 1' SNPL of alley in @ box (08/04/05)	NO METER	CONC ALLEY
3256	C ST	1.0	183' WW Curb of 33rd Street, 38' WELL	2) NPL of Alley (Old)	NO METER	CONC ALLEY
3257	C ST	1.0		23' WELL & at NPL of Alley	NO METER	CONC ALLEY
3265	C ST	0.75		35' WELL - 5' EWLL - SPL Alley	NO METER	CONC ALLEY
3270	C ST	0.75		3/4" WV 28' EWLL - 12' WELL - 3' NSLL C Street In Alley	NO METER	CONC ALLEY
3272	C ST	0.75	104' WWC of 33rd Street, 10' SNPL of Alley	104' WWC 33rd Street 1' SNPL of Alley in Stand Pipe & Meter Box	NO METER	CONC ALLEY
3273	C ST	0.75		79' WWPL 33rd Street 3' EWLL - SPL Alley 1" = 1) 15' WWC of 33rd Street, 1' SNPL of Alley in Stand Pipe, 3/4" 2)	NO METER	CONC ALLEY
3280	C ST	1 + 3/4		103 1/2' WWC of 33rd Street, 1' SNPL of Alley in Meter Box	NO METER	PARK STRIP
3308	C ST	1.5	85' East of East Curb of 33rd Street	3' North of Main of 7' North of South of Alley Line	NO METER	LAWN
3318	C ST	1.0	121' EE Curb of 33rd Street 2' WE Lot Line	2 1/2' E of Main	NO METER	LAWN
3324	C ST	1.0	143 1/2 ' WW Curb of 34th Street 21 1/2' EWPL of Lot	3 1/2' E of Main	NO METER	LAWN
3326	C ST	1.0	142 1/2' WWC of 34th Street on S line of Alley	13' WELL of 3324 - C - Street, 2' NSLL in backyard	METERED(BY)	SIDEWALK
3402	C ST	1.0		35 1/2' EEC of 34th - on W Line of ROW	NO METER	LAWN
3406	C ST	1.0		78 1/2' EEC 34th Street	NO METER	LAWN
3410	C ST	1.0		100' EEPL 34th Street - 12' NPL Alley	NO METER	LAWN
3416	C ST	1.0	141 1/2' EE Curb of 34th Street, 16' EWPL of Lot	NPL of Alley	NO METER	LAWN
3432	C ST	0.75		12' SSC of C Street, 2' WELL of 3416 'C' Street 1) 50' WWC of 35th Street 6' SSC of "C" Street (7/18/05) 2) 51' WWC of 35th St., 6' SSC of C St. in meter box (7/1/05)	NO METER	LAWN
3440	C ST	1.0	47' WWC of 35th Street 13' SNC of "C" Street	3) 50' WWC of 35th Street 6' SSC of "C" Street (3/3/19)	METERED(BY)	SIDEWALK
3522	C ST	1.0	53' EEPL 35th Street, WPL Lot	3' SPL "C" Street	NO METER	LAWN
3528	C ST	1.0	133' EEPL 35th Street	SPL C Street	NO METER	LAWN
3534	C ST	1.0	106' EEPL of 35th Street	35' WELL, 18'EWLL, 5'SSC in Box.	NO METER	LAWN
3544	C ST	1.0	38' SNLL - 54' WEPL C Street		NO METER	LAWN
			259' West of West PL of 39th Way or 263' 6" West of West	260' WWPL of 39th Way or 264' 6" WW Cb of 39 Way 21' E of WPL of Lot or 6' 6" SSCb of C Street 2' SSPL of C		
3550	C ST	1.0	Curb of 39th Way	Street	NO METER	LAWN
3554	C ST				METERED	N/A
3558	C ST	1.0	41' WELL - 9' EWLL - 14 1/2' SNC C Street	Same & 8' SSC C Street	NO METER	LAWN
3562	C ST	1.0	46' NSC C Street 1' EWPL	#1 6' SSC C Street - WPL in Standpipe #2 34 1/2' NSC C Street - WPL	NO METER	LAWN
3566	C ST	1.0		5' WELL, 35' EWLL 4' SNLL	NO METER	LAWN
3570	C ST	1.0	19' WELL - 20' EWLL - 15' SNC of C Street	1' SSPL of C Street	NO METER	LAWN
3108	D ST	1.0		5' EEPL of Alhambra on SPL of Alley	NO METER	UNIMPROVED ALLEY
3109	D ST	0.75		2' WWPL on SPL of Alley	NO METER	CONC ALLEY
3116	D ST	1.0		10' WELL NPL of Alley	METERED	UNIMPROVED ALLEY
3117	D ST	1.0	94' EEPL of Alhambra Blvd or 109' EE Curb Alhambra	13'EWLL ON SPL of Alley	NO METER	CONC ALLEY
3124	D ST	1.0	11' EWLL - 27' WELL 3124 D Street - 7' SSPL of Alley	11' EWLL - 27' WELL on NPL of Alley	NO METER	UNIMPROVED ALLEY
3129	D ST			23' EWLL, 1' NSPL of Alley	NO METER	CONC ALLEY
3132	D ST	1.0	215' EE curb of 31st Street	NPL of Alley	NO METER	UNIMPROVED ALLEY
3135	D ST	1.0		17' EWLL - 23' WELL - 1' NSPL Alley installed box.	NO METER	CONC ALLEY
3141	D ST	0.75	226' EEPL 31st Street		NO METER	CONC ALLEY
3144	D ST				NO METER	UNIMPROVED ALLEY
3148	D ST	1.0		WV 21' EWLL - 1' NNPL Alley	NO METER	UNIMPROVED ALLEY
3149	D ST	0.75	12'NSPL of alley, 7'EWLL	7'EWLL, 1'SSPL of alley in box. 1) 9' WELL IN FLOWER BED INSIDE FENCE ON NPL O/ALLEY (4/21/07)	NO METER	CONC ALLEY
3156	D ST	0.75	9' WELL - 8' SNPL	2)Same - NPL Alley 1) 6' EWLL, 1' SSPL of alley in c/s box (9/27/05)	NO METER	UNIMPROVED ALLEY
3157	D ST	1.0		2) 6' EWLL - 1' SSPL Alley 1) 13' WELL on NPL of Alley (2/23/06) 2) 13' WELL on NPL of Alley (11/10/05)	NO METER	CONC ALLEY
3164	D ST	0.75	13' WELL - 9' SNPL of Alley	3) 13' WELL - on NPL of Alley	NO METER	UNIMPROVED ALLEY
3165	D ST	3/4 WV		18' EWLL - 22' WELL - SPL Alley 1) 3' NNPL of alley, 1' WELL in c/s box (11/16/05) 2) 25' EWLL, 1' NNPL of Alley in c/s box (11/2/05)	NO METER	CONC ALLEY
3172	D ST	1.0		3) 15' WELL NPL of Alley	NO METER	UNIMPROVED ALLEY

3173	D ST	1.0	107' WWC 32nd Street 3' WELL	Same as corp cock 13' S of main 1' SS Alley line	NO METER	CONC ALLEY
3180	D ST	1.0	79' 6" WWPL of 32nd Street - 7' SNPL of Alley	80' WWPL of 32nd Street - 1' NNPL of Alley	NO METER	UNIMPROVED ALLEY
3181	D ST				NO METER	CONC ALLEY
3188	D ST	1.0	13.6'WWC 32nd St, 8'EWPL 32nd St	14'WWC of 32nd St., 2'NNPL of Alley in box	NO METER	AC
3195	D ST	0.75	105' WWC 32nd Street - 12' NSPL Alley	57' WWC 32nd Street - on SPL Alley	NO METER	CONC ALLEY
3200	D ST	0.75		15' EEC 32nd Street - 1' NNPL Alley	NO METER	AC
3201	D ST	0.75	14' EEC 32nd Street - 8' SNPL	Same - 1' SSPL Alley	NO METER	AC
3208	D ST	1.0	4' EWLL, 8' SNPL	4' EWLL, on NPL of Alley	NO METER	CONC ALLEY
3209	D ST	0.75	78' East of East PL 32nd Street	SPL C and D Alley	NO METER	CONC ALLEY
3212	D ST	0.75		21' WELL on NPL of Alley	NO METER	CONC ALLEY
3215	D ST	1.0		w/v - On SPL of alley,23'EWLL, 16' WELL in box	NO METER	CONC ALLEY
3224	D ST	0.75		1' NNPL of Alley - 1' WELL	NO METER	CONC ALLEY
3225	D ST	1.0	153' EEPL of 32nd Street	SPL of Alley	NO METER	CONC ALLEY
3232	D ST	0.75	4 1/2' EWLL @ NPL of Alley	2.5' EWLL on NPL o/alley in SP (4/21/06)	NO METER	CONC ALLEY
3233	D ST	0.75		19' EWLL, 21' WELL, @ SPL of Alley	NO METER	CONC ALLEY
3240	D ST	0.75		17' EWLL @ NPL of Alley	NO METER	CONC ALLEY
3241	D ST	0.75		10' WELL, 1' SSPL of Alley	NO METER	CONC ALLEY
3248	D ST	0.75		19' EWLL @ NPL of Alley	NO METER	CONC ALLEY
3249	D ST	0.75		13 1/2' WEPL of lot on SPL of Alley	NO METER	CONC ALLEY
3256	D ST	0.75		18' EWLL @ NPL of Alley	NO METER	CONC ALLEY
3257	D ST	1.0	27' EWLL, 13' NSPL of Alley	27' EWLL @ SPL of al in box	NO METER	CONC ALLEY
3264	D ST	1.0		24' EWLL @ NPL of Alley	NO METER	CONC ALLEY
3265	D ST	0.75		13' WELL on SPL o/alley	NO METER	CONC ALLEY
3272	D ST	0.75	81' WWPL 33' Street	Same & NPL Alley	NO METER	CONC ALLEY
3279	D ST	1.0		101' WWC of 33rd, 1' SSPL of Alley	NO METER	CONC ALLEY
3500	D ST	1.0	80' SSPL D Street	3' W of 6" Main	NO METER	SIDEWALK
3506	D ST	1.0	77' SS Cb. line D Street in Rt Way 3' WWL line running N & S	WL line	NO METER	SIDEWALK
3512	D ST	1.0		1' SNLL, behind Side Walk	NO METER	SIDEWALK
3514	D ST	0.75		1' NSLL, behind Sidewalk, on WLL	NO METER	SIDEWALK
3518	D ST	0.75		on ELL - 5' SSC D Street	NO METER	SIDEWALK
3521	D ST	0.75	184' EEPL of 35th Street	NPL of D Street	NO METER	SIDEWALK
3522	D ST	1.0	204' from EE line of Sidewalk of 35th Street WPL of lot	SPL - "D" Street	NO METER	SIDEWALK
3526	D ST	0.75	286" EEPL 35th Street	SPL D Street	NO METER	SIDEWALK
3527	D ST	0.75	185' EEPL of 35th Street	NPL of D Street	NO METER	SIDEWALK
3530	D ST	0.75	287' EEPL 35th Street	SPL D Street	NO METER	SIDEWALK
3531	D ST				NO METER	SIDEWALK
3534	D ST	0.75	523' EEPL of 35th Street	SPL of D Street	NO METER	SIDEWALK
3535	D ST	1.0		1/2' EWLL - Behind Sidewalk	NO METER	SIDEWALK
3538	D ST	0.75		W V: 1' NSLL, 5' EEC in c/s box	NO METER	SIDEWALK
3541	D ST	1.0	31' W of E lot line and 9' E of W lot line	Same and at the NPL of D Street	NO METER	SIDEWALK
3542	D ST	0.75	443' E of E Curb Line of 35th Street	So Pr Line of D Street	NO METER	SIDEWALK
3543	D ST	1.0		WPL - 1' under sidewalk on NPL D Street	NO METER	SIDEWALK
3546	D ST				NO METER	SIDEWALK
3547	D ST	1.0	12' SNC "D" Street 17' EWLL 3547 "D" Street	5' NNC "D" Street 17' EWLL 3547 "D" Street	METERED	N/A
3550	D ST	0.75	524' EEPL of 35th Street	SPL of Street	NO METER	SIDEWALK
3551	D ST	0.75	474' EEPL of 35th Street	1'SNLL, 5'WWC in c/s box	NO METER	SIDEWALK
3554	D ST				NO METER	SIDEWALK
3555	D ST				NO METER	SIDEWALK
3558	D ST	1.0	603' EE line of Sidewalk on 35th Street	NS of PL	NO METER	SIDEWALK
3559	D ST	1.0		EPL of Lot - NPL D Street, 5' NNC in C/S box	NO METER	SIDEWALK
3562	D ST	1.0	165' WW Curb of 39th Way, on WLL	SPL D Street	NO METER	SIDEWALK
3563	D ST	1.0		WPL of Lot - NPL D Street	NO METER	SIDEWALK
3566	D ST	1.0	1' EEPL - 19' NSC D Street	1' EELL, Back of Side walk in SP	NO METER	SIDEWALK
3567	D ST			WV: on NLL, back of sidewalk	NO METER	SIDEWALK
3570	D ST	1.0	6" EWLL - 19' NSC D Street	6" EWLL - 6' SSC D Street	METERED	N/A
3571	D ST				NO METER	SIDEWALK
3574	D ST	0.75		9 1/2' EWLL - 4 1/2' SNPL	NO METER	SIDEWALK
3577	D ST	1.0	43' S of SPL of 39th Way 2 1/2' N of SLL	WPL of D Street	NO METER	SIDEWALK
1002	DOLORES WAY	1.5	20' SSPL of J Street	East Rt. of Way	NO METER	PARKSTRIP
1009	DOLORES WAY	0.75		15' SNPL of Lot - 2 1/2' W of Main	NO METER	SIDEWALK
1010	DOLORES WAY	0.75	120' SSPL J Street	E line of Rt of Way	NO METER	SIDEWALK
1016	DOLORES WAY	0.75	14' SNLL & 1' WWPL	14' SNLL & 1' EWPLin c/s box	NO METER	SIDEWALK
1019	DOLORES WAY	0.75	206' SSPL J Street	W line of Rt of Way	NO METER	SIDEWALK
1024	DOLORES WAY	0.75	252' SSPL J Street	E Lot of Rt of Way	NO METER	SIDEWALK
1025	DOLORES WAY	0.75		9 1/2' NSLL - 3' WPL of ROW	NO METER	SIDEWALK
1036	DOLORES WAY			19' SNLL - 1' EWPL of Lot in Standpipe	NO METER	SIDEWALK
1037	DOLORES WAY	0.75	444' SSPL J Street	W line of Rt of Way	NO METER	SIDEWALK
1041	DOLORES WAY				NO METER	SIDEWALK
1042	DOLORES WAY	0.75		9' SNLL - 1' EWPL of Lot in Standpipe	NO METER	SIDEWALK
1048	DOLORES WAY	0.75	543' SSPL J Street	E line of Rt of Way	NO METER	SIDEWALK
1055	DOLORES WAY	0.75		1) 13' snll - 2' well in c/s box (6/13/07) 2) 13' SNLL - 2' WEPL	NO METER	SIDEWALK
1058	DOLORES WAY				NO METER	SIDEWALK
1059	DOLORES WAY	0.75	6' NSLL - on PL	9' NSLL - 2' WELL	NO METER	SIDEWALK
1100	DOLORES WAY	1.0	416' SSPL J Street, 6' NS Line Lot	14' NSLL	NO METER	SIDEWALK
1105	DOLORES WAY	0.75	3' WELL, 3' NSLL	1' EEPL, 2' NSLL	NO METER	SIDEWALK
1108	DOLORES WAY	0.75		33 1/2' NSLL - 12' SNLL - 2' EWPL of Lot	NO METER	SIDEWALK
1109	DOLORES WAY	0.75	718' SSPL J Street	W line of Rt of Way	NO METER	SIDEWALK
1120	DOLORES WAY	0.75		20' SNLL - 1' EWPL in rear	NO METER	SIDEWALK
1121	DOLORES WAY	1.0	21' NSLL and 24' SNLL Main is 1' EELL (in 1120 37th Street)	18' NSLL & 27' SNLL and 12' WELL	NO METER	SIDEWALK
1127	DOLORES WAY				NO METER	SIDEWALK
1128	DOLORES WAY				NO METER	SIDEWALK
1134	DOLORES WAY	0.75		16' NSLL - 6' EWPL in ROW	NO METER	SIDEWALK
1135	DOLORES WAY	1.0		22' NSLL - 1' WELL of Lot in Standpipe	NO METER	SIDEWALK
1144	DOLORES WAY				NO METER	SIDEWALK
1145	DOLORES WAY	0.75	617' SSPL J Street	None	NO METER	SIDEWALK
1201	DOLORES WAY				NO METER	SIDEWALK
1204	DOLORES WAY	1.0	23' SNLL, 1' WWLL	23' SNLL - 3' EWLL	NO METER	SIDEWALK
1208	DOLORES WAY				NO METER	SIDEWALK
1209	DOLORES WAY	0.75	26' SNLL - 1' EELL	Same - On ELL	NO METER	SIDEWALK
1218	DOLORES WAY	0.75	6' NSLL, 2' EWLL	6' NSLL, @ 4' EWLL	NO METER	SIDEWALK
1221	DOLORES WAY				NO METER	SIDEWALK
1224	DOLORES WAY	1.5	21' SNLL - 18' EWPL	21' SNLL - 5' WWPL	NO METER	SIDEWALK
1229	DOLORES WAY	0.75		23' NSLL - 3' WELL	NO METER	SIDEWALK
1234	DOLORES WAY	1.0	1' WWPL of ROW - 6' SNLL - 40' NSLL	2' EWPL of ROW - 6' SNLL - 40' NSLL	NO METER	SIDEWALK
1235	DOLORES WAY				NO METER	SIDEWALK
1240	DOLORES WAY	1.0	34' NNPL M Street, 38' 6" NNC M Street	Same as Corp cock - 15' SNLL, 30' EWPL of Lot	NO METER	SIDEWALK
1241	DOLORES WAY	0.75	37' NNPL M Street	West line Rt. of Way	NO METER	SIDEWALK
3101	FOLSOM BLVD	1.0		93' EEC of Alhambra - 3' NNC of Folsom in box	METERED	N/A
3145	FOLSOM BLVD	1.0	133' W of W Curb of Seville Way	Back of North Curb Folsom	METERED	N/A

3195	FOLSOM BLVD	1 1/2 + Meter		82' EEC of Seville - 1' NNC of Folsom Blvd	METERED	N/A
3201	FOLSOM BLVD	1.0		21' WELL - 3' NNC of Folsom	METERED	N/A
3219	FOLSOM BLVD	1.5	77' EEC of 32nd St., 31' NSLL	77'EEC of 32nd St, 32' NSLL in meter box	METERED	N/A
3241	FOLSOM BLVD	1.5	141' WWPL of 33rd Street	N Curb Back of Curb. 21' EEC Alley between 32rd & 33rd Streets - 4' NNC, Folsom Blvd - RO 69191	METERED	N/A
3257	FOLSOM BLVD	1.0		102' WWC of 33rd St, 27'WELL, 21' EWLL, 1' NNC of Folsom in meter box	METERED	N/A
3271	FOLSOM BLVD	1.0		88' NNC of Folsom, 1' WWC of 33rd Street in meter box	METERED	N/A
3315	FOLSOM BLVD	1.0		2' SNLL 1' EEC of 34th Street	METERED	N/A
3331	FOLSOM BLVD	1 + Meter	6 1/2' EWC of 34th - 1' NNLL of 1440 1/2 34th Street	186' NNC of Folsom - WPL of 34th Street	METERED	N/A
3401	FOLSOM BLVD	2.0	11' NNC Folsom - 24' WEC 34th Street	16' NNC Folsom - 13' EEC 34th Street	METERED	N/A
3427	FOLSOM BLVD	1.0	9' EEPL of 35th Street (S. of Folsom) 31' WELL	1) 1' NNC, 27' WELL in box (7/8/05) 2) 1' NNC of Folsom, 27' WELL, in S/P	NO METER	PARKSTRIP
3429	FOLSOM BLVD	1.0	Same	61' NNC of Folsom Blvd. - 13' SNLL - 1' Back of Sidewalk	NO METER	LAWN
3501	FOLSOM BLVD	1.0		1' SNLL - 5' EEC of 35th Street	NO METER	LAWN
3515	FOLSOM BLVD	0.75	62' SSPL of Folsom Blvd.	WPL Alley	NO METER	PARKSTRIP
3529	FOLSOM BLVD	1.5	116' WWPL Santa Ynez Way, 130' WWC Santa Ynex Way (North)	Same as corp cock - 19' EWPL of lot, 6" NNC Folsom Blvd.	NO METER	PARKSTRIP
3531	FOLSOM BLVD				NO METER	PARKSTRIP
3541	FOLSOM BLVD	1.0	49' EEC of Sant Ynez Way - 16' WELL - 47.5' NNC of Folsom Blvd.	49' EEC of Sant Ynez Way - 16' WELL - 5' SNC of Folsom Blvd.	NO METER	PARKSTRIP
3549	FOLSOM BLVD	1.0	24' WELL 59' NNC of Folsom & 5.5' SNC of Folsom	24' WELL 59' NNC of Folsom in box	NO METER	PARKSTRIP
3557	FOLSOM BLVD	1.0		26 1/2' EWLL - 6' SNC of Folsom Blvd.	NO METER	PARKSTRIP
3565	FOLSOM BLVD	1.5		56' WWC of 36th Street - 1' NNC of Folsom in Standpipe	NO METER	PARKSTRIP
3573	FOLSOM BLVD	1.0		#1 41' SSC of Crescent Way - 2' WWC of 35th 40' SSC of Crescent Way - 2' WWC of 35th	NO METER	PARKSTRIP
3609	FOLSOM BLVD	1.5	89' EEPL of 36th Street	Back of north curb Folsom Blvd.	NO METER	PARKSTRIP
3617	FOLSOM BLVD	1.0		42 1/2' WELL @ back of curb	NO METER	PARKSTRIP
3631	FOLSOM BLVD	2.0	67.5' WWC of 37th St, 49.5' EWLL, 6.5'SNC of Folsom Blvd	49 1/2' EWLL - 1' NNC of Folsom Blvd in SP.	METERED	N/A
3701	FOLSOM BLVD	1.0		1) 62' EEC of 37th St., 1' NNC of Folsom (9/29/05) 2) 28' WELL of 3701 Folsom Blvd, 1' NNC of Folsom 3) 33' WELL, 2' NNC of Folsom in box	NO METER	PARKSTRIP
3707	FOLSOM BLVD	1.0		1) 62' EEC of 37th St., 1' NNC of Folsom (9/29/05) 2) 33' WELL, 2' NNC of Folsom in box	NO METER	PARKSTRIP
3835	FOLSOM BLVD	1.0		40' NNC - 7' WELL	NO METER	PARKSTRIP
3901	FOLSOM BLVD			37' EEC of 39th Street, 3' NNC of Folsom BL	METERED	N/A
3949	FOLSOM BLVD	2 - 1" SVC'S		2' EEPL & 2' NSPL	NO METER	CONC ALLEY
3957	FOLSOM BLVD	1.0		16' EWLL 22' WELL- 1' NSPL of Alley in Box	NO METER	CONC ALLEY
3965	FOLSOM BLVD	1.0	71' 6" NNPL Folsom Blvd. - 3' WEPL Rt. of Way	71' NNPL Folsom Blvd. - 1' EEPL Rt. of Way	NO METER	CONC ALLEY
3145	GRANADA WAY	1.0	250' EEPL of Alhambra Blvd	NPL	METERED	N/A
3110	H ST	1	18' 6" EEPL Alhambra Blvd, 32' 6" EEC of Alhambra Blvd	18' 6" EEPL of Alhambra Blvd, SPL of Lot	NO METER	PARKSTRIP
3122	H ST	1.0	138' EEPL Alhambra Blvd	24' N of main at S line of Lot	NO METER	PARKSTRIP
3132	H ST	1.0	31' WELL, 8' SSPL	30' WELL - 1' NSPL	NO METER	PARKSTRIP
3150	H ST	1.0		28' WELL - @ SLL	NO METER	PARKSTRIP
3160	H ST	1.0	24' EEC Alhambra Bl - 190' WWC H Street	26' EEC Alhambra Bl - 186' WWC H Street in meter box	NO METER	PARKSTRIP
3200	H ST	1.0	33' WELL 3161 "I" Street, 8' SNLL	1) C/S 21 1/2' EWLL - 1' SSC H Street, 2) C/S Gate Valve 31' EWLI - 3' NSLL in ROW of 3900 H Street, 33' WEL 3161"I" Street, 8' SNLL	NO METER	PARKSTRIP
3202	H ST	1.0	39'4" EWLL - Approx 7' SNLI	39'3" EWLL - 44' WELL - Aprox 1" NSLL	NO METER	PARKSTRIP
3232	H ST	1.0		2" Gate Valve 18' EWLL - 7' NSLL	NO METER	PARKSTRIP
3240	H ST	1.0	16 1/2' EWPL - 9' SNPL 3237 I Street	20 1/2' EWLL on SPL in Standpipe	NO METER	PARKSTRIP
3248	H ST			43' WWC of 33rd Street, 1' SSLL IN Standpipe	NO METER	PARKSTRIP
3300	H ST	1.5	14'EWC of 33rd St-22' SSC of H St	16' EEC 33rd Street - 2' NSPL	NO METER	SIDEWALK
3310	H ST	1.0		36' WEPL, 14' NSLL - in Standpipe	NO METER	PARKSTRIP
3322	H ST	1.0	8' EEPL McKinley Park	Back of South Curb	NO METER	PARKSTRIP
3344	H ST	1.5	241' EEPL 33rd Street	North Line of Rt of Way	NO METER	PARKSTRIP
3360	H ST	2.0	26'EEC of 33rd St. (North of H)	S Curb of H Street	NO METER	PARKSTRIP
3400	H ST	2.0		68' WELL, Back of Curb	NO METER	PARKSTRIP
3412	H ST				NO METER	PARKSTRIP
3428	H ST	1.5		WV= 50' WWC of 34th Street - 2' SSC of H Street	NO METER	PARKSTRIP
3430	H ST	1.0	120' SSPL H Street	1" Valve 127' WWPL 35th Street	METERED(BY)	N/A
3440	H ST	1.0	2" - 116' SSPL H Street 1" Stop on 2" Load 21' W 35th Street T 127' W 35th Street and End 2" Load 147" W 35th Street	WPL 35th Street WV: IN back yard of 824 35th St, 94'WWC, on NPL	NO METER	PARKSTRIP
3501	H ST			1 1/2' SNLL - 1' WELL	NO METER	PARKSTRIP
3522	H ST	1.0	12' WWC of 35th Street - 7' SNC of H Street	28' WELL, 1' Behind Curb	NO METER	PARKSTRIP
3524	H ST	1.5		7' WWC Santa Yenze 1' NSLL of 3540 H st. in box	NO METER	PARKSTRIP
3543	H ST	1.5		1)19' EEC sacta ynez, 1" NNC o/ Hst in box (1/1/07) 2) 18' eec o/Santa Ynez - 1' nnc o/H St in box (1/11/07) 3) 17'eec o/SantaYnez - 1'nnc o/H St in c/s box (1/2/07) 4) 19' EEC of Santa Yney, 1' NNC of H (S/P)	NO METER	SIDEWALK
3650	H ST	4		2' EWLL, 3' SNC of I Street	NO METER	SIDEWALK
3700	H ST	2.0	124.5' WWC of 38th Street (S) 2' back of Walk or 1' SSPL of H Street	1) 18' well - 13' ssc in m/box (5/10/07) 2) 13' SSC of H St , 19' WELL	METERED	N/A
3760	H ST	1.0	39' SSPL H Street	39' SSPL H Street 10' W of Main at WPL 37th Street	NO METER	SIDEWALK
3800	H ST	1.0	Same as corp and at EPL of 38th Street	79' SSC of H Street and 20' NSLL	NO METER	SIDEWALK
3101	I ST	0.75	Corp: 32' EEPL 31st Street 75' NSC of I Street	32' EEPL of 31st 71' NSC of I Street	NO METER	SIDEWALK
3111	I ST	1.5		WV 42 1/2' WEPL of Lot, 5' S of Main	NO METER	SIDEWALK
3135	I ST	1.0	44' WELL - 56' EWLL - 8' SNLL	43' WELL - 13' SNLL - 57' EWLL	NO METER	SIDEWALK
3137	I ST				NO METER	SIDEWALK
3150	I ST	4.0			METERED	LAWN
3151	I ST	1.0		18' SNLL 9' WEPL	NO METER	SIDEWALK
3161	I ST	1.0	376' EEPL of 31st Street	South Rt of Way	NO METER	SIDEWALK
3201	I ST	1.0	45' EWLL - 5' SSPL ROW	Same - 2' NSPL	NO METER	SIDEWALK
3215	I ST				NO METER	SIDEWALK
3225	I ST	1.0	205' WWPL 33rd Street	South Line of Rt of Way	NO METER	SIDEWALK
3237	I ST	1.0	110' WWPL of 33rd Street	South Rt of Way	NO METER	SIDEWALK
3240	I ST	1.0		1" Curb Stop 141'8" SSC - 3' EWLL	NO METER	SIDEWALK
3300	I ST	1.25	141' 6" EE Curb of 33rd Street	141' 6" EE Curb of 33rd Street - 29' S of Main at SPL of I Street	NO METER	LAWN
3304	I ST				NO METER	SIDEWALK
3316	I ST	1.0	4' EWLL, 38' WELL, 23' NSC of "I" Street	4' EWLL, 38' WELL, 6' SSC of "I" Street	NO METER	SIDEWALK
3317	I ST	1.0	6'SSC, On EPL	7' NNC 'I' Street , on the ELL in C/S Box	NO METER	LAWN
3318	I ST	2.0	4' WELL - 37' EWLL - on SPL	3'WELL - 37' EWLL - 2' NSPL (in ROW)	NO METER	SIDEWALK
3320	I ST	1.5	17' WELL - 24' EWLL - 25' NSC of I Street	17' WELL - 24' EWLL - 5' SSC of I Street	NO METER	SIDEWALK
3325	I ST				UNKNOWN	SIDEWALK
3330	I ST	0.75		211' EEPL 33nd Street - SPL I Street	NO METER	LAWN
3333	I ST	1.0		41' EWLL - 2' Back of Walk	NO METER	LAWN

3349	I ST	1.5	264' 6" EEC 33rd Street Jacobson	Same as Corp Cock - 11' N of Main - at NPL I Street	NO METER	LAWN
3357	I ST	1.5		7' WELL - 49' EWLL - 6' NNC I Street	NO METER	LAWN
3400	I ST	1.25		1 1/4" WV 25' EWLL - 1' SSPL	NO METER	LAWN
3405	I ST	2 Taps 3/4-(P) 1.5 "		25' EWLL, 6' NNC of I Street Standpipe	NO METER	LAWN
3408	I ST	1.0	362' EEPL of 33rd Street	NPL of I Street	NO METER	LAWN
3411	I ST	1.5	22' WEPL, 5' SNC	22' WEPL, 5' NNC in C/S box	NO METER	LAWN
3416	I ST	1.25	8' EWLL & 5' SNC of "I" Street	11' EWLL & 5' SSC of "I" Street	NO METER	LAWN
			# 1 Corp Cock 6' SNC I Street 17' EWLL	# 1Curb Cock 6' NNC I Street 18' EWLL		
3417	I ST	2 Taps 3/4-(P#2 Corp Cock 6' SNC I Street 18' EWLL		# 2 Curb Cock 7' NNC I Street 18 1/2' EWLL	NO METER	LAWN
3421	I ST			7' SSC on WPL	NO METER	LAWN
3424	I ST	1.0	180' WWPL of 35th Street	N Rt of Way	NO METER	LAWN
3430	I ST	0.75	5' SNC & 1' EWLL	1 1/2' EWLL - 5' SSC	NO METER	LAWN
3441	I ST	1.0		5 1/2' NNC I Street - 1 1/2' WWLL	NO METER	LAWN
3451	I ST	0.75	59' NNPL I Street	WPL 35th Street	NO METER	LAWN
3501	I ST	1.5	25' WWC 35th Street - 66' NNC 'I' Street	5' EEC of 35th Street - 2' WELL	NO METER	LAWN
3523	I ST	2 Taps 1	66 1/2' NNC of I Street, 8' EWC of Santa Ynez	64 1/2' NNC of I Street, 8' WWC of Santa Ynez in Carson box W / Server C	NO METER	LAWN
3536	I ST	1.0		1/2' SNPL 5' WWC of Santa Ynez in valve box	NO METER	SIDEWALK
3570	I ST	1 1/4 WV		1 1/4" WV 27' SSPL I Street - 7' WWC 36th Street	NO METER	LAWN
3610	I ST	2.0		5' WELL, 16' NSLL in Box	NO METER	SIDEWALK
3666	I ST				NO METER	LAWN
3140	J ST	4.0		20' WELL - 4' SNLL	NO METER	AC
3160	J St	2.0	320' 6" E of E curb Alhambra blvd	328' 6" E of E curb	METERED	N/A
3200	J ST	1.0		174' SSC of J Street, 1' WELL @ 3180	METERED	N/A
3230	J ST	1.0		22' W of entrance gate - 1' SSC of Roadway of Tank 3	NO METER	CONC SURFACE
3243	J ST	1.0	161' S of SPL of J Street on Street entrance to tank	27' E of main	NO METER	LAWN
3246	J ST	1.0		7'NSC of J St-10' WWC of 33rd (in meter box)	METERED	N/A
3258	J ST	1 + Meter		95' SSC of Street 3' WWC of 33rd Street	METERED	N/A
3300	J ST	1.5	81' SS curb of J Street	E curb of 33rd Street	NO METER	SIDEWALK
3301	J ST	1.0		42 1/2' WWC J Street - 5' EEC 33rd Street. Installed Standpipe	NO METER	SIDEWALK
				1) 22' SSC of J St., 1' EEC of 33rd St. @ box		
3312	J ST	2 Taps 1 1/2" & 3/4"		2) 22' SSC J Street - 1' EEC 33rd Street	NO METER	SIDEWALK
				62' NNC of J St, 5' EEC of 33rd St in meter		
3319	J ST	1.5		box	METERED	N/A
				6' SSC of J Street; 6' WWC of 34rd Street, 6 1/2' NSPL		
3322	J ST	1.25		of J street	NO METER	SIDEWALK
3325	J ST	.75		2' EWLL, 4' SNLL	METERED	N/A
				1) 73' SSC of J St., 7' WWC of 34th St. in box (9/6/05)		
				2) 73' SSC J St., 6'8" WWC 34th St. (9/6/05)		
3334	J ST	1.25		3) 73' SSC J Street - 6' 8" WWC 34th Street	NO METER	SIDEWALK
3335	J ST	2.0	7' EWLL & 73' WELL & 4' NNPL	Same & 5' SNPL	NO METER	LAWN
3349	J ST	2+M		2" Wheel Valve: 194' NNPL J Street - 10' WELL	METERED(BY)	SIDEWALK
3400	J ST	1.0	62' South of SPL J Street	East PL 34th Street	NO METER	SIDEWALK
3401	J ST	1.5		1 1/2" Wheel Valve: 13' SNLL - 25 1/2' WELL in standpipe in ROW.	NO METER	PARKSTRIP
			261' WW curb 35th & 184' NN curb of J Street. 11'			
3409	J ST	2.0	SNLL - 18 1/2' WELL	South Rt. of Way	NO METER	PARKSTRIP
3412	J ST	1.0	20' SSC J St, 23' WEC of 34th St	9' SSC J St, 7' EEC of 34th St in box	NO METER	SIDEWALK
3416	J ST	1.5		Wheel valve: 94' SSC J Street & 1' WWC of Santa Barbara Ct.	NO METER	SIDEWALK
3417	J ST	1.25	208' WWPL of 35th Street	None	NO METER	PARKSTRIP
3427	J ST	1.5		In standpipe 15' SNPL - 2' EWLL in ROW in c/s Box to grade	NO METER	PARKSTRIP
3430	J ST				NO METER	SIDEWALK
				#1 1 1/2" C/S : 135' NNC J Street - 5' WWC 35th Street		
				#2 :1" C/S 97' NNC J Street - 6' WWC 35th Street C/S in		
3435	J ST	2 Taps 1" & 1 1/4"		Standpipe	NO METER	PARKSTRIP
			41' NSLL & 95' SS Cb of J Street & 4' EE Cb. of			
3440	J ST	2.0	Santa Barbara Ct.	41' NSLL & 95' SS Cb of E Street & 21' WE Cb of Santa Barbara Ct	NO METER	SIDEWALK
3445	J ST	1.0		96 1/2' NNC of J St, 5 1/2' WWC of 35th St	NO METER	PARKSTRIP
3448	J ST	1.0	133' SSC of J Street; 7' EWC of Santa Barbara	133' SSC of J Street; 5' EEC of Santa barbara	NO METER	SIDEWALK
3453	J ST				NO METER	SIDEWALK
			2' SPL J Street on Santa Barbara - 7' SSCL of J			
3458	J ST	1.0	Street. 7' NSPL of J Street	7' SSCL of J Street - 7' NSPL of J Street	NO METER	PARKSTRIP
3468	J ST	0.75	93' SSPL of J Street	WPL of 35th Street	NO METER	LAWN
				96 1/2' NNC J Street - 80' SSPL Alley - 5 1/2' EEC 35th		
3501	J ST	1.5	7' EWC 35 Street	Street.	NO METER	SIDEWALK
3504	J ST	1.0		23' NSPL - 99' EEC of 35th, 16' SSC of J St	E METER BOX	N/A
3511	J ST	1.5"	7' NSPL of Harmon Alley - 65' EEC of 35th street	SPL of Harmon Alley - 65' EEC of 35th Street	NO METER	CONC ALLEY
3521	J ST	1.0		65' WELL - 1' EWLL - SPL Alley	NO METER	CONC ALLEY
3523	J ST	0.75		4' EWLL & on SPL of Alley	NO METER	CONC ALLEY
3531	J ST	1.0	5' EWC of Santa Ynez - 88' NNC of J Street	40' SNLL - 6' WWC of Santa Ynez	NO METER	SIDEWALK
3532	J ST			43' SSC J Street at WLL	NO METER	SIDEWALK
3540	J ST	1.5	65' SS Curb of J Street	3' W of main	NO METER	SIDEWALK
3545	J ST	1.5	31'NNC of J St-5'EWC of Santa Ynez Way	1 1/2" Wheel Valve: 23'NNC of J St-5'EEC of Santa Ynez Wy	NO METER	SIDEWALK
3560	J ST	1.5	64' SSC J Street	Same as corp cock - 5' E of Main 2.5' EWLL	E METER BOX	SIDEWALK
3571	J ST			143' WWC of 86th Street, 44' NNC of J Street in a box.	NO METER	LAWN
3600	J ST	2.0		298' NSPL, 3' WELL	METERED	SIDEWALK
3601	J ST	1.0		Wheel valve: NLL - 3' WELL	NO METER	LAWN
3644	J ST	1.0		53'SSC of J Street, 11'WELL	METERED(BY)	SIDEWALK
3649	J ST	1.0		43' EWLL of 3649 J Street on NPL	METERED(BY)	SIDEWALK
3655	J ST	1.0		26' EWLL - 1' SNLL In Standpipe	METERED(BY)	SIDEWALK
3663	J ST			16' EWPL This lot	NO METER	SIDEWALK
3672	J ST	1.0		4' EWLL, 7' SSC J Street	METERED	N/A
3700	J ST	1.0		60' SSC J Street - 2 1/2' WEPL in Standpipe	METERED(BY)	SIDEWALK
3701	J ST	2.0	185' NNPL of J Street, 1' WEPL in Rt. of Way	Same and 5' WEPL in Rt. of Way	METERED	AC
3707	J ST	1.0	13' SNC of J St	37' EWLL or 1' NNC J street	NO METER	SIDEWALK
				63'SSPL J Street - on WpL of building 3710 donut		
3710	J ST	0.75		shop & 3712 Liquor store.	METERED	SIDEWALK
3711	J ST	1 1/2" Meter		Wheel Valve: 81' NNC of J Street; 1' WWC of 38th street	METERED	N/A
3720	J ST	1.0	19' WELL, 2' NSPL	33' WELL, 6' NSPL in the rear, in c/s box	METERED	SIDEWALK
				155'SSC of J St & 10'WWC of 38th Street Fronts 1020		
3754	J ST	1.5		38thSt per map in research file.	METERED	SIDEWALK
3800	J ST	2.0	154' SSC of J Street - 3' WWC 38th street	118 ' SSC of J Street - 11' EEC 38th street	METERED	N/A
3809	J ST	1.0	189' NNPL J Street	EPL 38th Street	E METER BOX	N/A
3810	J ST	2 .0	134' SSPL of J Street - or 148' SS Curb of J Street	Same As Corp Cock - 3' E of Main	METERED	N/A
				39' EEC of 39th St, 13' WELL, 1' NNPL of Alley in		
3900	J ST	1.5	36'6" EEPL of 39th St, 12' WELL, 7'6" SNPL of Alley	meter box.	METERED	N/A
3908	J ST	0.75	2' NNPL J Street	EPL 39th Street	NO METER	CONC ALLEY
3920	J ST	1.5	142.5' EEC 39th St, 19.5' WELL, 8.5' SNPL Alley	WV: 142.2' EEC 39th St, 19.5' WELL, NPL Alley	E METER BOX	N/A
3924	J ST	1.5	285' EEPL 39th Street	SPL I Street	NO METER	CONC ALLEY
3938	J ST	1.5	40' WELL - 10' EWLL - 9' SNPL Alley	Same - 1' SNPL Alley	NO METER	CONC ALLEY
				16' EWLL or 50' 4" WELL - Wheel valve aprox 6" SNPL		
3940	J ST	1.5	8' SNPL Alley	Alley	NO METER	CONC ALLEY
3948	J ST	1.5	254' EEPL 39th Street	NPL J and K Alley	NO METER	CONC ALLEY
3956	J ST	1.5	76' SSC of J street	76' SSC of "J" Street - 10' NSLL - 7' EWPL of lot	NO METER	PARKSTRIP
3911	K ST	1.0	39 1/2' NNC K Street -25 1/2' SNLL - 8 1/2' EWPL Alley	40' NNC of K St, 4'EELL in alley	NO METER	CONC ALLEY

3930	K ST	1.0		27 1/2' SSC K Street - WPL Alley	NO METER	UNIMPROVED ALLEY
				1) 170' SSC, 8' EWPL of alley (8/8/05)		
3932	K ST	1.0	58' SSPL K Street	2) EPL Alley	NO METER	UNIMPROVED ALLEY
3933	K ST	1.0	82 1/2' NNC K Street -92 1/2' SNLL - 10 1/2' WEPL Alle	Same - EPL Alley	NO METER	CONC ALLEY
3940	K ST	1.0	12' WELL 33' EWLL 9' SNPL Alley	12' WELL, 33' EWLL, 1' SNPL	NO METER	UNIMPROVED ALLEY
3941	K ST	0.75	2' WELL -11' NSPL Alley	Same - 1' NSPL Alley	NO METER	CONC ALLEY
3948	K ST	1.0		26' EWLL, on NPL of Alley in box.	NO METER	UNIMPROVED ALLEY
3949	K ST				E METER BOX	N/A
3954	K ST	1.0		85' NSLL - 3 1/2' WELL	NO METER	UNIMPROVED ALLEY
3161	L ST	1.0	81' EEPL of Alhambra Blvd	SPL	METERED	N/A
3200	L ST	1.0	13' WELL - 7' SNC	12' WELL - 69' EEC of 32nd Street - 1' SSC of L Street in Box	E METER BOX	N/A
				1 1/2" Wheel Valve: 76 1/2' EEPL 32nd Street - 32' WEPL of Lot - NPL L		
3207	L ST	1.5		street	NO METER	PARKSTRIP
3208	L ST	1.0	30' NSCL of L Street	16' 6" EWLL - 24' WELL - 1' SSCL of L Street	NO METER	PARKSTRIP
			1) 16' WEC O/RIO LINDA, 7' SNLL O/RIO LINDA (10/18/06)	1) 8' EEC O/RIO LINDA,4' SNLL O/3038 RIO LINDA (10/18/06)		
			2) 7' SNC O/L ST,44' EEC O/32ND ST (10/18/06)	2) 1' NNC O/L ST., 44' EEC O/32ND ST (10/18/06)		
3213	L ST	1.25	3) 246' W Curb of 33rd Street.	3) 30' WELL, 1' NNC in c/s box	NO METER	PARKSTRIP
3215	L ST	1.0		39' EWLL - 1 1/2' NNC L Street, 2' WELL in S/P	NO METER	PARKSTRIP
3216	L ST	1.0	4' SNC of L - 25' EWLL	18' WEPL - 1' SSC L Street	NO METER	PARKSTRIP
3232	L ST	0.75	161' WWPL of 33rd Street	N Curb Back of Curb L Street	E METER BOX	N/A
3233	L ST	0.75	3' EWLL- 7' 4" SNC L street	3' EWLL - 6" NNC L Street in Parking Strip	E METER BOX	N/A
3241	L ST	0.75	139' WWPL 33rd Street - 7' 4" SNC	3' EWLL - 6' NNC - Back of N Curb L Street	NO METER	PARKSTRIP
3308	L ST	1.0		12' EEC of 33rd Street - 1' SSC of L Street	NO METER	PARKSTRIP
3319	L ST	1.0	56' NNC L Street - 6 EWC 34th Street	Same & 6' WEC 34th Street	NO METER	SIDEWALK
3322	L ST	1.0		1' SSC L Street - 11'EEC of 33rd St	NO METER	PARKSTRIP
				1) 73' WWC o/34th St - 1' SSC o/L St in box (10/4/06)		
3324	L ST	1.0		2) 12' EELL - 1' SSC in c/s box	NO METER	PARKSTRIP
3330	L ST	1.0		65' WWPL 34th St - Back of curb L St in S/P	NO METER	PARKSTRIP
3331	L ST	1.0		65' WWPL 34th Street - Back of Curb L Street in S/P	NO METER	SIDEWALK
3342	L ST	1.0	46 1/2' NN Curb of "L" Street, 5 1/2' SNLL	Back WPL 1'	NO METER	PARKSTRIP
3400	L ST	1.0	26' EEC of 34th St, 29' WELL, 30' NSC of L St	25' EEC of 34th St, 6' SSC L St in box	NO METER	SIDEWALK
3412	L ST	1.0		6' SSC - 13' EWLL	NO METER	SIDEWALK
3418	L ST	1.0	8' E of W Curb of Santa Barbara Court	5' S of Sidewalk - 16.5 W of E Line of Lot	NO METER	SIDEWALK
3440	L ST	0.75	32' NNPL of L Street	WCBC of Santa Barbara Court	NO METER	SIDEWALK
3450	L ST	1.0		1' EWLL - 2' S of Sidewalk	NO METER	SIDEWALK
				1) 5' wwc o/35th St on spl in sp (6/25/07)		
3462	L ST	1.0	12' EWPL of 35th St, SPL	2) 5' WWC of 35th St, On SPL in s/p	NO METER	LAWN
3930	L ST	1.0	50' NNPL L Street	WPL Alley	METERED	N/A
3931	L ST	1.0	54' NNC L Street -7' EWPL Alley	Same - PL Alley - 7' W of Main	NO METER	UNIMPROVED ALLEY
3935	L ST	1.0	68' NNC of L Street, 9' EWPL of Alley	68' NNC of L Street, EPL of Alley	NO METER	UNIMPROVED ALLEY
3945	L ST	1.0		6' WELL, SPL of Alley	NO METER	UNIMPROVED ALLEY
				1) 22' EWLL, 2' NSPL of alley (12/12/05)		
3955	L ST	1.0	22' EWLL, 9' SNPL of alley (12/12/05)	2) 23' EWLL, 21'WELL, SPL Alley in Box	NO METER	UNIMPROVED ALLEY
3961	L ST	1.0	61' NNC L Street. 57' NNPL L Street.	Same As Corpcock - 2' WELL	NO METER	UNIMPROVED ALLEY
3220	M ST	1.0		2' EWLL - 1' SSC of M Street in C/s Box	NO METER	PARKSTRIP
3225	M ST	1.0		5' EEPL Alley - 2' NNC M Street	NO METER	PARKSTRIP
3226	M ST	1.0		9' EWLL, 1 1/2' SNLL in SP	NO METER	PARKSTRIP
3229	M ST	1.0	5' WELL - 6' SNC M Street	4' WELL - 1' NNC M Street in box.	E METER BOX	N/A
3300	M ST	3/4 on 1 1/2	56' SSPL of M Street	E Curb Back of Curb 33rd Street	NO METER	PARKSTRIP
3315	M ST	0.75		16' WWPL Alley - 5 1/2' NNC M street	NO METER	PARKSTRIP
3320	M ST	1.0		46' WWPL of Alley, 1' SSC of M street	NO METER	PARKSTRIP
3325	M ST	1.0	None	18' 6" EEPL of Alley - 26' WELL - 5' NNCL of M Street	NO METER	PARKSTRIP
				1) 100' eec o/33rd St - 1' ssc o/M St (5/30/07)		
3326	M ST	1.0	88' eec o/33rd St - 5' nns o/M St (5/30/07)	2) 45' WWLL of Alley, 1' SSC of M street	NO METER	PARKSTRIP
3327	M ST	0.75	C/S 19' EWLL, 13' NNC	Corp 26' EWLL, 5' NNC	NO METER	PARKSTRIP
3331	M ST	1.0	51' WWC 34th Street. 2' EWLL	NPL M Street	NO METER	PARKSTRIP
3340	M ST	1.0		48'SSC M Street, 14'NSPL, 18'WWC of 34th St in c/s box	NO METER	PARKSTRIP
3500	M ST	1.0		3' NSLL, Behind Sidewalk	NO METER	SIDEWALK
3501	M ST	1.0	42'NNC of M St-11'EWC of 35th St	6'EEC of 35th St-1'NSPL in s/p	NO METER	LAWN
3514	M ST	1.0		51' SSPL M Street	NO METER	SIDEWALK
3526	M ST	1.0		11' SSC M Street - 3' WWC Santa Ynez	NO METER	SIDEWALK
3535	M ST	4.0			METERED(BY)	LAWN
3540	M ST	1.0		14' NSLL - 1' EEC of Santa Ynez	NO METER	LAWN
3606	M ST	1.0	61' SSC M Street - 6' EWC 36th street	60 1/2' SSC M Street - 2 1/2' EEC 36th street	NO METER	SIDEWALK
3618	M ST	1.0	60' SSPL of M Street 5' EWC of 37th St	WPL of 37th Street	NO METER	SIDEWALK
3717	M ST	1.0		44' NNPL of M Street	NO METER	SIDEWALK
3900	M ST	1.0		1' SSPL of M Street - 1' WWPL of Alley	METERED	CONC ALLEY
3915	M ST	1.0		37' NNC of 'M' Street; @ WPL of Alley	NO METER	SIDEWALK
3920	M ST	1.0	59.6' SSPL M St, 64' SSC M St	59.6' SSPL M St, 65' SSC M St, WPL of Alley, in box	NO METER	CONC ALLEY
3931	M ST	1.0		Wheel Valve: 45' EEPL Alley - 14' NNC M Street in Valve Box	NO METER	SIDEWALK
3932	M ST	1.0		61' SSC M Street - EPL Alley (in standpipe)	NO METER	SIDEWALK
3940	M ST	1.0	1" Valve is 61' EEPL Alley. 2" Tap off Alley 39th & 40th	1" Valve on SPL M Street	NO METER	SIDEWALK
3950	M ST	1.0	40' 6" WELL - 5' EWLL - 5' SSC - M Street	40' 6" WELL - 5' EWLL 11' NNC M Street	NO METER	SIDEWALK
3956	M ST	1.0	73' SS Curb M Street	West Rt of Way	NO METER	SIDEWALK
4000	M ST	1.0	44' SS Curb of M Street. 9 1/2' NSLL	9' NSLL - 3' WEPL in box	NO METER	SIDEWALK
3101	MCKINLEY BLVD	1.0	16' EEC of McKinley, 12' NSPL of Alley	1' EEPL of 31st on SPL of Alley	NO METER	UNIMPROVED ALLEY
3109	MCKINLEY BLVD	0.75	77' EEPL 31st	SPL of Alley D-E (79' 2' E of tap EEPL of 31 st)	NO METER	UNIMPROVED ALLEY
3117	MCKINLEY BLVD	1.0	5' EWLL - 35' WELL - 13' NSPL Alley	Same & SPL Alley	NO METER	UNIMPROVED ALLEY
3125	MCKINLEY BLVD	0.75	137' EEPL 31st Street	SPL D & E Alley	NO METER	UNIMPROVED ALLEY
3133	MCKINLEY BLVD	1.0	26'EWLL, 14'WELL, 15'NSPL of Alley	26'EWLL, 14'WELL, 1'NSPL of Alley in c/s box	NO METER	UNIMPROVED ALLEY
3141	MCKINLEY BLVD				NO METER	UNIMPROVED ALLEY
3157	MCKINLEY BLVD	1.0	Curb Stop Loc. 18' EWLL - on SPL of Alley	Wheel Valve: 17 1/2' EWLL -on SPL of Alley	NO METER	UNIMPROVED ALLEY
				1) 12' WELL - 1' NSPL in c/s box. (11/27/06)		
3165	MCKINLEY BLVD	0.75	135'WWPL 32nd St.	2) 12'WELL of 3165 McKinley, 1'NSPL of Alley in c/s box	NO METER	UNIMPROVED ALLEY
3173	MCKINLEY BLVD	0.75	100' WWPL 32nd Street	SPL	NO METER	UNIMPROVED ALLEY
3181	MCKINLEY BLVD	0.75	104' WWC of 32 nd - 11' NSPL of Alley	104' WWC of 32 nd Street - on SPL of Alley	NO METER	UNIMPROVED ALLEY
3195	MCKINLEY BLVD	0.75	103' WWC of 32nd Street - 11' NSPL of Alley	103' WWC of 32nd - on SPL of Alley	NO METER	UNIMPROVED ALLEY
3201	MCKINLEY BLVD	0.75		22 1/2' EEC of 32 nd Street - SPL of Alley - just Back of Sidewalk	NO METER	CONC ALLEY
3209	MCKINLEY BLVD	0.75		104' EEC of 32 nd Street - SPL of Alley	NO METER	CONC ALLEY
3217	MCKINLEY BLVD	0.75		15' EWLL or 25' WELL - SPL of Alley	NO METER	CONC ALLEY
3225	MCKINLEY BLVD	1.0		1'WELL on SPL in alley	NO METER	CONC ALLEY
			186' E of G V 1' EE Curb 36th Street (S of McKinley Blvd.) & 2.75' N S Curb McKinley Blvd. (W of 36th Street)			
3233	MCKINLEY BLVD	1.0		SPL	NO METER	CONC ALLEY
3239	MCKINLEY BLVD	1.5		31' EWLL, 1' NSPL of Alley	NO METER	CONC ALLEY
				1) 25' EWLL - 1' SSPL o/alley in SP (10/18/06)		
3257	MCKINLEY BLVD	1.0		2) 14' EWLL - SPL of Alley	NO METER	CONC ALLEY
3265	MCKINLEY BLVD	1.0		135' WWC 9' EWLL of 33rd Street - at SPL of Alley	NO METER	CONC ALLEY
3273	MCKINLEY BLVD	1.0		106' WWC of 33rd Street - SPL of Alley	NO METER	CONC ALLEY
3281	MCKINLEY BLVD	1.0		4 1/2' WWC of 33rd - SPL of Alley under Curb	NO METER	CONC ALLEY
3301	MCKINLEY BLVD	1.0	52' NNPL McKinley Blvd. 56' 6" McKinley Blvd.	54' NNPL McKinley Blvd, or NPL of Lot	NO METER	SIDEWALK
3330	MCKINLEY BLVD				NO METER	LAWN

3533	MCKINLEY BLVD			48' NNC of McKinley - 1' WWPL of Lot	NO METER	LAWN
				1) 18.5' SSC o/McKinley on WLL in box (9/14/06)		
3540	MCKINLEY BLVD	1.0		2) 141 1/2' WWC of Santa Ynez - 9' SSC of McKinley	NO METER	LAWN
3555	MCKINLEY BLVD	0.75	73' NNPL of McKinley Blvd.	West Rt. of Way	NO METER	SIDEWALK
3563	MCKINLEY BLVD	1.0	85' NNC of McKinley Blvd @ WPL of ROW	85' NNC of McKinley Blvd, 3' EWPL of ROW	NO METER	LAWN
3573	MCKINLEY BLVD	1.0	7 1/2' EWC of 36 th Way - on NLL	5 1/2' WWC of 36th Way - on NLL	NO METER	SIDEWALK
3576	MCKINLEY BLVD	1.0		2' NSLL - 2' WWC of 36th Street	METERED	N/A
3601	MCKINLEY BLVD	1.0	21' SNC of McKinley, on PL	on ELL, 5' NNC of McKinley	E METER BOX	N/A
3615	MCKINLEY BLVD	1.5	1' EWLL - 21' SNC McKinley	1' EWLL - 1' NSLL (or 5' NNC) in yard - of 3615 McKinley	E METER BOX	N/A
3623	MCKINLEY BLVD				NO METER	LAWN
3633	MCKINLEY BLVD	1.0	45' NNPL McKinley Blvd.	Same as Corp Cock - 14' of Main at WPL 37th Way	NO METER	SIDEWALK
3701	MCKINLEY BLVD	1.0	6' SNC of McKinley - 5.2' EEC of 37th	37' WELL, 6' NNC of McKinley Blvd. 52' EEC in box of 3354	NO METER	LAWN
3729	MCKINLEY BLVD	1.0	14' EELL - 4 1/2' SNC of McKinley	13 1/2' EELL - 1' Behind Sidewalk 5' NNC in box	NO METER	LAWN
3739	MCKINLEY BLVD	1.0	14 1/2' EWLL - 4 1/2' SNC of McKinley	15' EWLL - 1' Behind Sidewalk in Standpipe	NO METER	LAWN
3749	MCKINLEY BLVD	1.0	On East line of Lot	8' N of N. Curb McKinley Blvd.	NO METER	LAWN
			197' W 16" Valve on McKinley Blvd. Main This Valve is 5.5' S N Curb McKinley Blvd. & 151.5' WCL Monument at intersection of McKinley Blvd. & D			
3801	MCKINLEY BLVD	1.0	Street	10' N N Curb McKinley Blvd.	NO METER	LAWN
3811	MCKINLEY BLVD	1.0		15' WELL, 5' NNC of McKinley	METERED	LAWN
3821	MCKINLEY BLVD				NO METER	LAWN
3831	MCKINLEY BLVD	1.0		128' WWC of 39th Street - 8 NNLL	NO METER	LAWN
3841	MCKINLEY BLVD			127' WWC of 39th ST- 8' NNPL of McKinley	NO METER	LAWN
3851	MCKINLEY BLVD				NO METER	LAWN
3318	N ST	0.75	110' EEPL 33rd Street	SPL N Street	METERED	N/A
3319	N ST	1.0	111' EEPL 33rd Street. 121' EEC 33rd Street.	Same As Corp Cock - 17' 6" EWLL, 20" NNC N Street	NO METER	PARKSTRIP
				1) 1.5' NNC of N St., 1' WEPL in c/s box (1/25/06)		
3325	N ST	0.75	7' SNC of N St., 2' EEPL (1/25/06)	2) 1' NNC N Street - ELL N Street Standpipe	UNKNOWN	PARKSTRIP
3335	N ST	1.0		56' WWC of 34th Street - 2' NNC of N Street	NO METER	PARKSTRIP
3345	N ST	1.0		56' WWC of 34th Street & 2' NNC of N Street	NO METER	PARKSTRIP
3400	N ST	1.0	46' NSLL -24 1/2' WEC 34th Street	48' SSC of N Street, 2' EEC of 34th Street. Back of curb	NO METER	LAWN
3410	N ST	1.0		6'SSC of N St, 3'EWLL OF 3410 N street.	NO METER	SIDEWALK
				1) 6' NNC, 1' WELL (12/16/05)		
				2) 123' WWC 35th Street - 47' EWLL - 1' NNPL N Street (8/17/05)		
				3) 123' WWC 35th Street - 47' EWLL - 1' NNPL N Street		
3415	N ST	1.0		(off 2" Plastic Line from Main in 35th Street)	NO METER	LAWN
3418	N ST	1.0		c/s:14' EWLL - 7' SSC N Street.	NO METER	LAWN
3423	N ST	1.0	110' WWPL 35th Street, 97' WWPL -NPL N Street	98' WWPL 35th Street, NPL N Street (off 2' Plastic Line from Main in 35th S	NO METER	LAWN
3426	N ST	1.0		c/s:27' WELL - 6' SSC N Street.	NO METER	LAWN
3433	N ST	1.0		6' WWC 35th Street - 1' SNLL	NO METER	LAWN
3434	N ST	1.0	221' EEPL 34th Street	C/S 6'SSC of N St 3'EWLL of 3434 N Street in SP	NO METER	LAWN
3446	N ST	1.0		5' WWC 35th Street - SPL of Lot	NO METER	LAWN
3551	N ST	1.0	49' SNLL & 73.5' NN Cb of N Street & 1' EE Cb of Santa Ynez Way	49' SNLL & 73.5 ' NN Cb. of N Street & 29' WE Cb of Snata Ynez Way	NO METER	LAWN
3561	N ST				NO METER	LAWN
3566	N ST	1.0	27' WELL - 5' SNC - 18' EWLL	20' WELL - 50' EWLL - 2' SSC	NO METER	LAWN
				1) 143' eec o/Santa Ynez - 6' snc o/N St (3/19/07)		
3567	N ST	1.0	28' WELL	2) North Curb	NO METER	LAWN
				91.5" WWC, 82' WWPL of 36th St, 31'WELL, 16'EWLL, 3'NNC		
3575	N ST	1.0	91.5' WWC, 82' WWPL of 36th St, 5' SNC of N St, 16'E	of N St in s/p	NO METER	LAWN
3579	N ST				UNKNOWN	LAWN
3583	N ST	1.0	75' NNC of N ST- 2' WWC of 36th St	75' NNC of N ST- 6' EWC of 36th ST	NO METER	LAWN
3900	N ST	1.0	162 1/2 ' EE Curb of 39th Street, 24' EWPL of Lot	NPL of Alley	NO METER	CONC ALLEY
3921	N ST	1.0		61' NNPL N Street - 65 1/2' NNC - WPL Alley	NO METER	CONC ALLEY
3930	N ST	1.0		36' WELL - 37' EWLL - NPL Alley	NO METER	CONC ALLEY
3936	N ST	1.0		9 1/2' WELL - 33 1/2' EWLL - 1' SNPL Alley	NO METER	CONC ALLEY
3940	N ST	1.0		30' EWLL - 1' SNPL Alley	NO METER	CONC ALLEY
				1) 16.5' EWLL, 1' SNPL of alley in s/p (1/27/06)		
				2) 20' EWLL on NPL of alley (1/24/06)		
3950	N ST	1.0		3) 16 1/2' EWLL - 1' SNPL Alley in S/P	NO METER	CONC ALLEY
				1 1/2" Wheel Valve: 199' NNC N Street - ELL of 3951		
3951	N ST	1.5		N street	METERED	SIDEWALK
3956	N ST	1.0	23' SSPL of N Street	West Rt of Way	NO METER	CONC ALLEY
3300	PARK WAY	1.0	30' 10" S of S curb Parkway	3'W of main and 6' W of ELL	NO METER	LAWN
1024	SANTA BARBARA CT	1.0	139.5 S of SPL J Street 21.5' N of S Lot Line	Back of W Curb of Street Barbara	NO METER	PARKSTRIP
1034	SANTA BARBARA CT	0.75	6' EWC - 11' SNLL	11' SNLL - 1' WWC	NO METER	PARKSTRIP
1035	SANTA BARBARA CT	1.0	33' NSLL 20' WEC	34' NSLL - 5' EEC	NO METER	PARKSTRIP
1041	SANTA BARBARA CT	0.75		2' EEC of Santa Barbara, 1'NSLL in a box	NO METER	PARKSTRIP
1044	SANTA BARBARA CT	1.0	231' S of SPL of J Street	Back of W Curb of Street Barbara 9' N of S line of Lot	NO METER	PARKSTRIP
1048	SANTA BARBARA CT	0.75	250' SSPL J Street	Back of W Curb	NO METER	PARKSTRIP
1049	SANTA BARBARA CT	0.75		2' EEC of Santa Barbara - on NLL	NO METER	PARKSTRIP
1100	SANTA BARBARA CT	0.75	20' NSLL - 20' WEC Santa Barbara Court	20' NSLL - 1' EEC Santa Barbara Court	NO METER	PARKSTRIP
1101	SANTA BARBARA CT	0.75	20' NSLL - 20' WEC	20' NSLL - 1' EEC Standpipe	NO METER	PARKSTRIP
1109	SANTA BARBARA CT	1.0	200.5 N of NPL of L Street	Back of E Curb of Santa Barbara - S line Lot	NO METER	PARKSTRIP
1112	SANTA BARBARA CT	1.0	338' S of SPL of J Street	Back of W Curb of Street Barbara - 17.5' N of S Lot Line	NO METER	PARKSTRIP
1116	SANTA BARBARA CT	1.0	223' N of NPL of L Street	Back of W Curb of Street Barbara - 23' N of S Lot Line	NO METER	PARKSTRIP
1119	SANTA BARBARA CT	1.0	199.5' N of NPL of L Street	Back of E Curb of Street Barbara - N line of Lot	NO METER	PARKSTRIP
1124	SANTA BARBARA CT	1.0		13' SNLL - 27' NSLL - 2' WWC of Santa Barbara	NO METER	PARKSTRIP
1125	SANTA BARBARA CT	1 Copper	16' SNLL, 6' EWC of Santa Barbara	16' SNLL, 8' EEC of Santa Barbara in box	NO METER	PARKSTRIP
1131	SANTA BARBARA CT	1.0	60' NNPL of L Street	39' SNLL and at E Curb of Santa Barbara Court	NO METER	PARKSTRIP
1136	SANTA BARBARA CT	1.0		23' NSLL, 16'SNLL, 1' WWC of Santa Barbara Ct in meter box	METERED	N/A
1138	SANTA BARBARA CT	1.0	996' NNC of I Street - 26' S of NLL	2' WWC of Santa Barbara Court	NO METER	PARKSTRIP
1152	SANTA BARBARA CT	1.0		24' NSLL - 1' Behind Curb 15' SNLL, 1' WWC of Santa Barbara	METERED	N/A
1156	SANTA BARBARA CT	0.75		37' NNC of L Street - 6' WWC of Santa Barbara 9' SNLL in Standpipe	NO METER	PARKSTRIP
300	SANTA YNEZ WAY	1.0		57 1/2' SSC of 39th Street - 6' WWC of Santa Ynez	NO METER	SIDEWALK
301	SANTA YNEZ WAY	1.0	49' SNC of 39th Street - 23 WEC of Santa Ynez	47' SNC of 39th - on SLL - 1' EEC of Santa Ynez	NO METER	SIDEWALK
309	SANTA YNEZ WAY	1.0	18' NSC of Santa Ynez - 1' WELL	1' WELL - 6 1/2' SSC of Santa Ynez	NO METER	SIDEWALK
310	SANTA YNEZ WAY	1.0	100' SSPL of 39th Street - 17' EWC of Santa Ynez	Same - 1' WWC of Santa Ynez	NO METER	SIDEWALK
314	SANTA YNEZ WAY	1.0	116' SSC 39th Street	Same as Corp Cock - 18' W of Main - WPL Santa Ynez	NO METER	SIDEWALK
317	SANTA YNEZ WAY	1.0	22' WEPL of Santa Ynez Way	31' 6" NSLL - 14' SNLL - 1' EEPL of Santa Ynez Way	NO METER	SIDEWALK
324	SANTA YNEZ WAY	1.0		47' SNLL - 1 1/2' WWC of Santa Ynez on SLL in S/P	NO METER	SIDEWALK
325	SANTA YNEZ WAY	1.0	22' NSPL of Santa Ynez Way	43' 6" EWLL - 2' 6" WELL - 1' SSPL of Santa Ynez Way	NO METER	SIDEWALK
326	SANTA YNEZ WAY	1.0		45' NSLL - 1' SNLL - 2' WWC of Santa Ynez	NO METER	SIDEWALK
332	SANTA YNEZ WAY	1.0	16' 6" SNPL of Santa Ynez Way	29' 6" WELL - 17' 6" EWLL - 1' NNPL of Santa Ynez Way	NO METER	SIDEWALK
333	SANTA YNEZ WAY	1.0	15' SNLL 31' NSLL 13' EWC of Santa Ynez	15' SNLL 13' NSLL 5.5' EEC Santa	NO METER	SIDEWALK
337	SANTA YNEZ WAY	1.0			NO METER	SIDEWALK
341	SANTA YNEZ WAY			2' NSLL, Back of sidewalk	NO METER	SIDEWALK
342	SANTA YNEZ WAY	1.0	16' NSLL - 28' SNLL - 17' EEPL of Santa Ynez Way	17' NSLL - 27' SNLL - 6" WEPL of Santa Ynez Way	NO METER	SIDEWALK
344	SANTA YNEZ WAY	1.0	36' SNLL & 14' NSLL & 6' WW Cb. of Santa Ynez W ay	36' SNLL & 14' NSLL & 12' EW Cb. of Santa Ynez Way	NO METER	SIDEWALK
347	SANTA YNEZ WAY	1.0	324' SSPL of 39th Street	EPL	NO METER	SIDEWALK
354	SANTA YNEZ WAY	1.0	17' EWPL of Santa Ynez - NLL	2' WWPL of Santa Ynez - NLL	NO METER	SIDEWALK

357	SANTA YNEZ WAY	1.0	399' SS Curb of 39th Way 31' N of SPL	18' SNLL- 6' EEC in box	NO METER	SIDEWALK
364	SANTA YNEZ WAY	1.0	465' SS Curb of 39th Way	18'NSLL-5'WWC of Santa Ynez in box	NO METER	SIDEWALK
365	SANTA YNEZ WAY	1.0	435' SS Curb of 39th Way 7' S of N Lot Line		NO METER	SIDEWALK
371	SANTA YNEZ WAY	1.0	Same as Corp and at SPL of Santa Ynez Way	18' EWLL - 34' WELL	NO METER	SIDEWALK
374	SANTA YNEZ WAY	0.75		22' NSLL - WPL of Santa Ynez	NO METER	SIDEWALK
381	SANTA YNEZ WAY	1.0	523' SSPL of 39th Street	EPL	NO METER	SIDEWALK
382	SANTA YNEZ WAY	1.0	538' SSPL of 39th Street	WPL	NO METER	SIDEWALK
388	SANTA YNEZ WAY	1.0	18' E of WPL of Santa Ynez Way	On WPL of Santa Ynez Way - 17' 6" N of SLL - 29' S of NLL	NO METER	SIDEWALK
389	SANTA YNEZ WAY	1.0	30' E of W Lot line and 20' W of E of Lot line	Same and at SPL of Santa Ynez Way	NO METER	SIDEWALK
392	SANTA YNEZ WAY	1.0	12' EWC, on NPL	5' WWC on NPL in S/P	NO METER	SIDEWALK
396	SANTA YNEZ WAY	1.0		29' NSLL, 2.5' EWLL	NO METER	SIDEWALK
397	SANTA YNEZ WAY	1.0	Same as corp and 3' W of E Lot lilne	75' S of S Curb of Santa Ynez Way and 43' N of S Lot line	NO METER	SIDEWALK
401	SANTA YNEZ WAY		15' SNLL - 2' EELL	15' SNLL - 1' WEPL in S/P	NO METER	SIDEWALK
408	SANTA YNEZ WAY	1.0		20' NSLL - 2' EWPL	NO METER	SIDEWALK
410	SANTA YNEZ WAY	1.0	15' NSLL & 3 WWPL	15' NSLL & 3 EWLL	NO METER	SIDEWALK
411	SANTA YNEZ WAY	0.75	281' NNPL of Mckinley Blvd	West Rt of Way	NO METER	SIDEWALK
420	SANTA YNEZ WAY	0.75		22 1/2' SNLL - 1' EWPL in Rear	NO METER	SIDEWALK
421	SANTA YNEZ WAY	0.75	216' NNPL of Mckinley Blvd	West Rt of Way	NO METER	SIDEWALK
430	SANTA YNEZ WAY	0.75	175' NNPL of Mckinley Blvd	East Rt of Way	NO METER	SIDEWALK
431	SANTA YNEZ WAY	0.75	173' NNPL of McKinley Blvd	West Rt of Way	EMETERBOX	N/A
440	SANTA YNEZ WAY	1.0	28' NSLL, 4' WWPL in ROW	28' NSLL, 5' EWPL in S/P	NO METER	SIDEWALK
441	SANTA YNEZ WAY	0.75	123' NNPL of McKinley Blvd 9' NSLL @ ELL	West Rt of Way	NO METER	SIDEWALK
450	SANTA YNEZ WAY	0.75		23 1/2' NSLL, 2' WWLL	NO METER	SIDEWALK
451	SANTA YNEZ WAY	1.0		2' NSLL, 1' WELL in neighbors yard (441 Santa Ynez)in c/s box.	NO METER	SIDEWALK
501	SANTA YNEZ WAY	1.0		1' NSLL - 5' EEC of Santa Ynez Way	NO METER	SIDEWALK
510	SANTA YNEZ WAY	1.0 to a 0.75	52'SSPL of McKinley Bl.	West Side of Side Walk	NO METER	SIDEWALK
			1) 9' SNLL, 511 SANTA YNEZ, 16' WEC (12/7/06)	1) 9' SNLL, 1' EEC IN M/B (12/7/06)		
511	SANTA YNEZ WAY	1.0	2) 49' SSPL of McKinley Blvd	2) East side of Sidewalk	NO METER	SIDEWALK
520	SANTA YNEZ WAY	1.0	5' WWC, 3' SNLL	16' EWC, 3' SNLL	NO METER	SIDEWALK
521	SANTA YNEZ WAY	1.0	97' SSPL of McKinley Blvd	East side of Sidewalk	NO METER	SIDEWALK
530	SANTA YNEZ WAY			7' WWC - of 1' SNLL in S/P	NO METER	SIDEWALK
531	SANTA YNEZ WAY	1.0	44' SSC of McKinley, 16' WEC of Santa Ynez	6' SNLL, 6' EEC of Santa Ynez	NO METER	SIDEWALK
540	SANTA YNEZ WAY	1.0	21' E of WPL of Santa Ynez Way	1' WWPL of Santa Ynez Way - 29' N of SLL - 16' S of NLL	NO METER	SIDEWALK
541	SANTA YNEZ WAY	1.0		9 1/2' SNLL - 1' EEC of Santa Ynez	NO METER	SIDEWALK
545	SANTA YNEZ WAY	0.75	900' NNPL H Street	East Side Santa Ynez Way	NO METER	SIDEWALK
548	SANTA YNEZ WAY			4' NSLL, 9'NNC of Park Way, 6'WWC of Santa Ynez in c/s box	NO METER	SIDEWALK
561	SANTA YNEZ WAY	1.0		2' SNLL, 38' NSLL 7 EEC	NO METER	SIDEWALK
568	SANTA YNEZ WAY	0.75		12' SSC of Park Way, 6' WWC of Santa Ynez	NO METER	SIDEWALK
569	SANTA YNEZ WAY	1.0		46' NSLL - 1 1/2' EEC of Santa Ynez	NO METER	SIDEWALK
576	SANTA YNEZ WAY	1.0	Same as corp and 2' EWLL	42' NSLL and 8' SNLL	NO METER	SIDEWALK
577	SANTA YNEZ WAY	0.75		3' SNLL - 47' NSLL - 5' EEC of Santa Ynez	NO METER	SIDEWALK
584	SANTA YNEZ WAY				NO METER	SIDEWALK
585	SANTA YNEZ WAY				NO METER	SIDEWALK
592	SANTA YNEZ WAY	1.0	15' EWC on NLL (10/3/05)	1) 2' SNLL, 5' WWC in s/p (10/3/05) 2) c/s #1 (back house & sprinklers) 5' SNLL, 4' EWPL in box. c/s #2 (front house) 5' WWC, 2' SNLL (9/27/05) 3) 3' EWLL - 8' SNLL	NO METER	SIDEWALK
593	SANTA YNEZ WAY				NO METER	SIDEWALK
595	SANTA YNEZ WAY	1.0	Same as Corp and at EPL of Santa Ynez	2.6' S N Lot line and 47.6' N S Lot line	NO METER	SIDEWALK
600	SANTA YNEZ WAY		15' EWLL, on NLL	5' WWC, on NLL	NO METER	SIDEWALK
608	SANTA YNEZ WAY			2' SNLL - WPL of Santa Ynez	NO METER	SIDEWALK
609	SANTA YNEZ WAY	0.75	17' WEC, 5' SNLL	5' SNLL & 6' EEC in meter box	NO METER	SIDEWALK
616	SANTA YNEZ WAY	1.0	29' N of S Lot line and 21' S of N Lot line	Same and at WPL of Santa Ynez Way	NO METER	SIDEWALK
617	SANTA YNEZ WAY	1.0		5 1/2' SNLL - 1 1/2' Behind Walk	NO METER	SIDEWALK
624	SANTA YNEZ WAY	1.0	7' SNLL - 43' NSLL	19' W of Main at WPL of Santa Ynez	NO METER	SIDEWALK
625	SANTA YNEZ WAY	1.0		5' EEC of Santa Ynez - 5' SNLL	NO METER	SIDEWALK
632	SANTA YNEZ WAY	1.0	3' SNLL - 47' NSLL - 4.5' WWC of Santa Ynez Way	On NLL - 50' NSLL - 14' EWC of Santa Ynez Way	NO METER	SIDEWALK
633	SANTA YNEZ WAY	1.0	4' SNLL - 47' NSLL - 1' EEPL of Santa Ynez	5' 6" SNLL - 45' 6" NSLL - 22' WEPL of Santa Ynez Way	NO METER	SIDEWALK
640	SANTA YNEZ WAY	1.0	14' EWC of Santa Ynez Way	17' SNLL - 35' NSLL - 6' WWC of Santa Ynez Way	NO METER	SIDEWALK
641	SANTA YNEZ WAY	0.75		4' SNLL, Behind Sidewalk	NO METER	SIDEWALK
648	SANTA YNEZ WAY	1.0	3' SNLL 47' NSLL	3' SNLL 47' NSLL 16' W of Main at WPL	NO METER	SIDEWALK
649	SANTA YNEZ WAY			6' SNLL - 5' EEC of Santa Ynez Installed Standpipe	NO METER	SIDEWALK
700	SANTA YNEZ WAY	1.0	295' NNPL of H Street 4' SNLL	1) 4' SNLL - 6' WWC o/Santa Ynez in box (10/13/06) 2) 6' WWC o/Santa Ynez, 6' SNLL o/700 Santa Ynez in SP	NO METER	SIDEWALK
701	SANTA YNEZ WAY	1.0	276' 6" NNPL H Street, 292' 6" NNC H Street	1) 24' SNLL - 1' EEPL (6/28/06) 2) Same as Corp Cock - 23' SNLL, 1' EEPL Santa Ynez	NO METER	SIDEWALK
708	SANTA YNEZ WAY	0.75	247.5' NNPL H Street	West Side Santa Ynez Way	NO METER	SIDEWALK
709	SANTA YNEZ WAY	1.0	225' NNC H Street	Same as Corp Cock - 24' E of Main - at EPL Santa Ynez	NO METER	SIDEWALK
716	SANTA YNEZ WAY	1.0	17' E of WPL of Santa Ynez Way	23' N of SLL - 27' S of NLL - 1' W of WPL of Santa Ynez Way	NO METER	SIDEWALK
717	SANTA YNEZ WAY	0.75	4' SNLL - 12' EWC Santa Ynez	4' SNLL - 5' EEC Santa Ynez	NO METER	SIDEWALK
724	SANTA YNEZ WAY	0.75	3' SNLL-13' EWC	4' SNLL- 5' WWC in c/s box	NO METER	SIDEWALK
725	SANTA YNEZ WAY	1.0	26' NSLL, 24' SNLL, 25' WWPL of Santa Ynez Way	24'SNLL, 27' NSLL, 5' EEC of Santa Ynez Way in c/s box	NO METER	SIDEWALK
732	SANTA YNEZ WAY	1.0	11' NSLL, 39 1/2' SNLL, 16 1/2' EWPL of Santa Ynez	1) 10.5' NSLL - 6' WWC in SP (7/14/06) 2) 10 1/2' NSLL - 40' SNLL, Back of Sidewalk	NO METER	SIDEWALK
733	SANTA YNEZ WAY	1.5	74' N of NPL of H Street Also 24' N of S Lot line	EPL of Santa Ynez Way	NO METER	SIDEWALK
740	SANTA YNEZ WAY	0.75		3' SNLL - Back of Walk	NO METER	SIDEWALK
801	SANTA YNEZ WAY	0.75	SPL Lot	EPL	E METER BOX	N/A
809	SANTA YNEZ WAY	0.75	NPL Lot	EPL	E METER BOX	N/A
812	SANTA YNEZ WAY	1.0 (2)		(1) (DOMESTIC) Valve 61' SSPL H Street - 5' wwc OF sANTA yENZE IN C/S BOX (2) (IRRIGATION) Valve 60' SSPL H Street - 5' WWC of Santa YenzeSanta Ynez Way	E METER BOX	N/A
816	SANTA YNEZ WAY	1.0		15 ' SNPL, 1 1/2' WWC of Santa Ynez	NO METER	SIDEWALK
817	SANTA YNEZ WAY	1.0	138' SSPL of H Street, or 154' S S Curb of H Street	2' EEPL of Santa Ynez Wy, 2 1/2' NSLL, behind walk	NO METER	SIDEWALK
825	SANTA YNEZ WAY	1.0		38' NSLL - 8' SNLL - 5' 6" EEC of Santa Ynez Way	NO METER	SIDEWALK
834	SANTA YNEZ WAY	1.0	11' EWPL of Santa Ynez Way	20' 6" SNLL - 26' 6" NSLL - 1' WWPL of Santa Ynez Way	NO METER	SIDEWALK
835	SANTA YNEZ WAY	1.0		21 1/2' S of NLL - 26 1/2' N of SLL - 177' N of No of I Street	NO METER	SIDEWALK
844	SANTA YNEZ WAY	1.0	167' NNC of 1 Street, 6' EWC of Santa Ynez	NLL - 5' WWC of Santa Ynez in Standpipe	NO METER	SIDEWALK
845	SANTA YNEZ WAY	1.0	Main 7' EWC	257' SSC of H Street - 4' SNLL - 41' NSLL - 6' 6" EEC	NO METER	SIDEWALK
854	SANTA YNEZ WAY	1.0	41' SNLL & 9' NSLL & WW Cb. of Santa Ynez Way	41' SNLL & 9' NSLL 6' EW Cb. of Santa Ynez Way	NO METER	SIDEWALK
855	SANTA YNEZ WAY	1.5	63' NNPL I Street	EPL Santa Ynez Way	NO METER	SIDEWALK
864	SANTA YNEZ WAY	1.0		1/2' SNPL 5' WWC of Santa Ynez in S/P	NO METER	SIDEWALK
865	SANTA YNEZ WAY	1.0		On NLL - 5' EEC of Santa Ynez	NO METER	SIDEWALK
903	SANTA YNEZ WAY	1.0	30' SS Curb of I Street	WPL of Santa Ynez Way	NO METER	SIDEWALK
909	SANTA YNEZ WAY	1.0		7' EEC of Santa Ynez - 1' SNLL in s/p	NO METER	SIDEWALK
910	SANTA YNEZ WAY	1.0	49' SSC of I st, 11' EELL	1' SNLL, 5' WWC	NO METER	SIDEWALK
920	SANTA YNEZ WAY	0.75	SPL Lot	WPL	NO METER	SIDEWALK
921	SANTA YNEZ WAY	1.0		5' EEC - 1' NSLL in C/S box	NO METER	SIDEWALK
928	SANTA YNEZ WAY			5' WWC of Santa Ynez - 1' SNLL	NO METER	SIDEWALK
931	SANTA YNEZ WAY	1.0	141' SS Curb of I Street NPL of Lot	1' SNLL, 7' EEC in c/s box	NO METER	SIDEWALK

			39' WWPL of Santa Ynez or 43' 6" Curb Santa Ynez			
936	SANTA YNEZ WAY	1.0	Way 39' WWPL of Santa Ynez	SP Line Alley	NO METER	SIDEWALK
941	SANTA YNEZ WAY	1.0	24' WEC of Santa Ynez - 6' NSLL	7' EEC of Santa Ynez - 6' NSLL in box	NO METER	SIDEWALK
949	SANTA YNEZ WAY	1.0		5' EEC of Santa Ynez - 1' SNLL	NO METER	SIDEWALK
957	SANTA YNEZ WAY	0.75	NPL Lot	EPL	NO METER	SIDEWALK
1014	SANTA YNEZ WAY	1.0	30' SSPL of J Street	East Rt of Way	METERED	N/A
1015	SANTA YNEZ WAY	1.0	91' SSPL of J Street	19' nsll	NO METER	SIDEWALK
1024	SANTA YNEZ WAY	0.75	132' S of SPL of J Street	None	NO METER	SIDEWALK
1025	SANTA YNEZ WAY	0.75	134' SSPL J Street	West line of Rt of Way	NO METER	SIDEWALK
1034	SANTA YNEZ WAY	1.0		26' SNLL - 20' NSLL - 2' EWPL in Right of Way	NO METER	SIDEWALK
1035	SANTA YNEZ WAY	0.75	25' NSLL - 20' SNLL - 3' WELL	Same - 5' WELL	NO METER	SIDEWALK
1044	SANTA YNEZ WAY	0.75	221' SSPL J Street	None	NO METER	SIDEWALK
1045	SANTA YNEZ WAY				NO METER	SIDEWALK
1054	SANTA YNEZ WAY	0.75		20' NSLL - 25' SNLL - 2' EWPL of	NO METER	SIDEWALK
1055	SANTA YNEZ WAY	1.0		3' WEPL of Lot - 15' NSLL	NO METER	SIDEWALK
1064	SANTA YNEZ WAY	1.0	2' 6" WWPL in Right of Way	28' NSLL - 3' 6" EWPL in Right of Way	NO METER	SIDEWALK
1065	SANTA YNEZ WAY	1.0	15' NSLL - 30' SNLL - 2' 6" WEPL in Right of Way	16' NSLL - 29' SNLL - 5' WEPL in Right of Way	NO METER	SIDEWALK
1080	SANTA YNEZ WAY	1.0	12' NSLL, 66' WWC of Santa Ynez Wy	67' WWC of Santa Ynez Wy, 30' EWLL, 17' NSLL	NO METER	SIDEWALK
1083	SANTA YNEZ WAY	1.0	46' NNC of K Street - 4' SNLL - 1' WELL	Same as Corp and 5' WELL	NO METER	SIDEWALK
1300	SANTA YNEZ WAY	1.0		11' SSC of M Street - 3' WWC of Santa Ynez	NO METER	PARKSTRIP
1302	SANTA YNEZ WAY	1.0	152' S of School Line	WPL	NO METER	PARKSTRIP
1303	SANTA YNEZ WAY	1.0	30' WEC of Santa Ynez - 2' NSLL	1' EEC of Santa Ynez - 2' NSLL	NO METER	PARKSTRIP
1304	SANTA YNEZ WAY	1.0	106' SSPL M S 110' 6" SSC M Street	Same as Corp Cock - 2' SNLL, 14" WWC Santa Ynez Way	NO METER	PARKSTRIP
1305	SANTA YNEZ WAY	1.0	41' SNLL 9' NSLL 30' WECL Santa Ynez Way	40' 6" SNLL, 9' 6" NSLL, 1' 6" EECL Santa Ynez Way	NO METER	PARKSTRIP
1306	SANTA YNEZ WAY	1.0		1' NSLL - 1' WWC of Santa Ynez in Standpipe	NO METER	PARKSTRIP
1307	SANTA YNEZ WAY	1.0		2'EEC of Santa Ynez Way, on SPL in S/P	NO METER	PARKSTRIP
1309	SANTA YNEZ WAY	1.0	252' S of School Line	EPL	NO METER	PARKSTRIP
1310	SANTA YNEZ WAY	1.0	13' NSLL - 27' SNLL - 7' EWC Santa Ynez	Same & 2' WWC Santa Ynez	NO METER	PARKSTRIP
1316	SANTA YNEZ WAY	1.0		3' NSLL - Back of Curb in box	NO METER	PARKSTRIP
1324	SANTA YNEZ WAY	1.0		36' SNLL - 1'WWC of Santa Ynez	NO METER	PARKSTRIP
1332	SANTA YNEZ WAY		38' NSLL - 10' SNLL	13' SNLL - Back of Curb	NO METER	PARKSTRIP
1334	SANTA YNEZ WAY	1.0		WV-1' WWC-on SPL of 1334	NO METER	PARKSTRIP
1400	SANTA YNEZ WAY	1.0		SPL - 1' WWC of Santa Ynez	NO METER	PARKSTRIP
1408	SANTA YNEZ WAY	1.0	6' E of WC of Santa Ynez Way - 28' S NLL	1' W of WCL of Santa Ynez Way - 28' S of NLL	NO METER	PARKSTRIP
1415	SANTA YNEZ WAY	1.0	60' SSC of N of Street, 6' WWC of Santa Ynez	60' SSC of N Street, 1' EEC of Santa Ynez	NO METER	PARKSTRIP
1416	SANTA YNEZ WAY	1.0	23' SNLL - 29' NSLL - 6' EWC Santa Ynez	Same & 3' WWC Santa Ynez	NO METER	PARKSTRIP
1417	SANTA YNEZ WAY	1.0	Same as Corp and E Curb of Santa Ynez Way	21' NSLL and 30' SNLL 1) on sll - back of curb, in box (6/11/07)	NO METER	PARKSTRIP
1424	SANTA YNEZ WAY	1.0		2) on sll - 1' wwc in c/s box (6/4/07)	NO METER	PARKSTRIP

1425	SANTA YNEZ WAY	1.0	20 1/2' NSLL - 2' EEC of Santa Ynez		NO METER	PARKSTRIP
1432	SANTA YNEZ WAY	1.0		NLL - West Curb of Santa Ynez	NO METER	PARKSTRIP
1433	SANTA YNEZ WAY				NO METER	PARKSTRIP
1435	SANTA YNEZ WAY	1.0		6 1/2' NNPL of Lot - 1 1/2' EEC of Santa Ynez	NO METER	PARKSTRIP
1440	SANTA YNEZ WAY	1.0	147' NNPL of Folsom Blvd 157' NNC of Folsom Blvd	Same as Corp Cock - 25' NSLL, 8" WWC of Santa Ynez Way	NO METER	PARKSTRIP
1441	SANTA YNEZ WAY	1.0	6' SNLL, 6' EWC	5' SNLL, 1' EEC of Santa Ynez in box	NO METER	PARKSTRIP
1448	SANTA YNEZ WAY			120' NNPL Folsom Blvd - 1 1/2' WWC of Santa Ynez	NO METER	PARKSTRIP
1225	SEVILLE WAY	1.0	18' WE Curb of Seville Way	EPL of Street, 4 1/2' N S Lot Line	NO METER	PARKSTRIP
1285	SEVILLE WAY	1.0	23' 6" NSPL M Street 12' 6" NSC M Street	Same as Corp Cock - 1' WWC 32nd Street	NO METER	PARKSTRIP

NO.	DATE PAID	APN	METER NO.	STREET NO.	STREET NAME	METER LOCATION	METER MANUFACTURER	METER SIZE	(E) SERVICE SIZE	(E) SERVICE MATERIAL	ADD	DEL	BID ITEMS	TOTAL SF CONCRETE	EXTRA CONCRETE	ADDITIONAL COMMENTS

EXAMPLE

APPENDIX F

Sidewalk Closure Policy

Department of
TRANSPORTATION
City of Sacramento

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

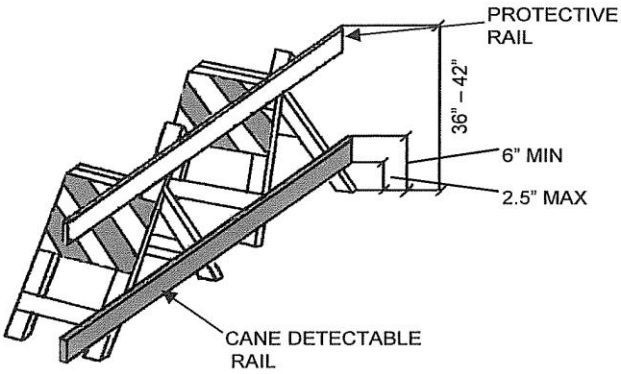
mitigated by a asphalt patch not to exceed a 1:12 (8.33%) slope.

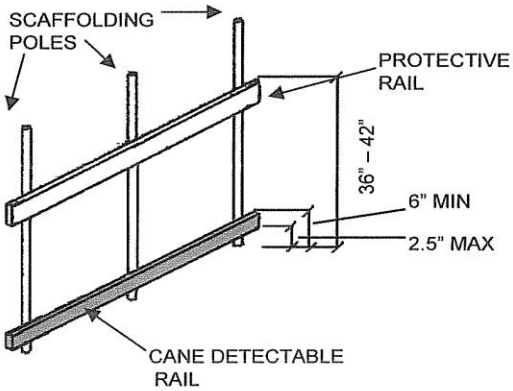
5. The clear width of the alternate pedestrian route shall be 48" minimum.
6. Single points are allowed to reduce to 36" for a distance of up to 2 ft.
7. No objects shall protrude more than 4" between 27" and 80" in height and into the path of travel.
8. Where a sidewalk closure or channeling is required 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.

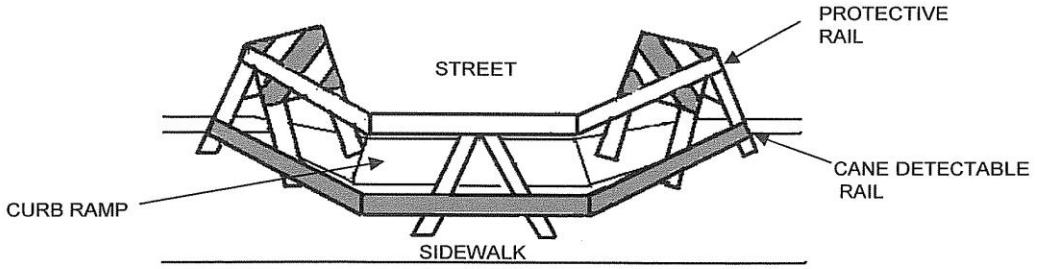
•When used to channel pedestrians, the rails shall extend the entire length of the temporary walkway so that there are no gaps in the rail.

OPTIONS

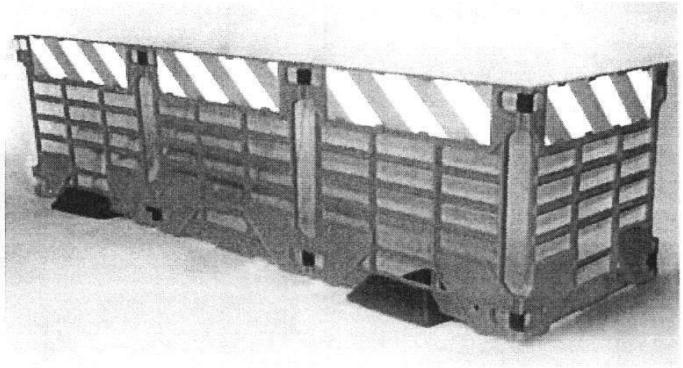
•Type I, II, or III barricades placed end to end and fastened together to create one rigid barrier with rails that meet above requirements.

•Chain link fencing equipped with toe rail that extends the entire length of the temporary walkway and protrudes to the face of the footings.

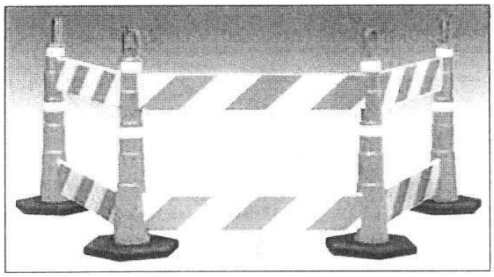
•See California MUTCD, sections 6D and 6F.68 for additional guidance.

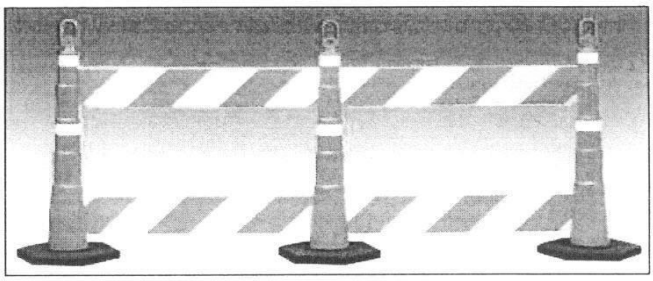


Attachment 1



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.

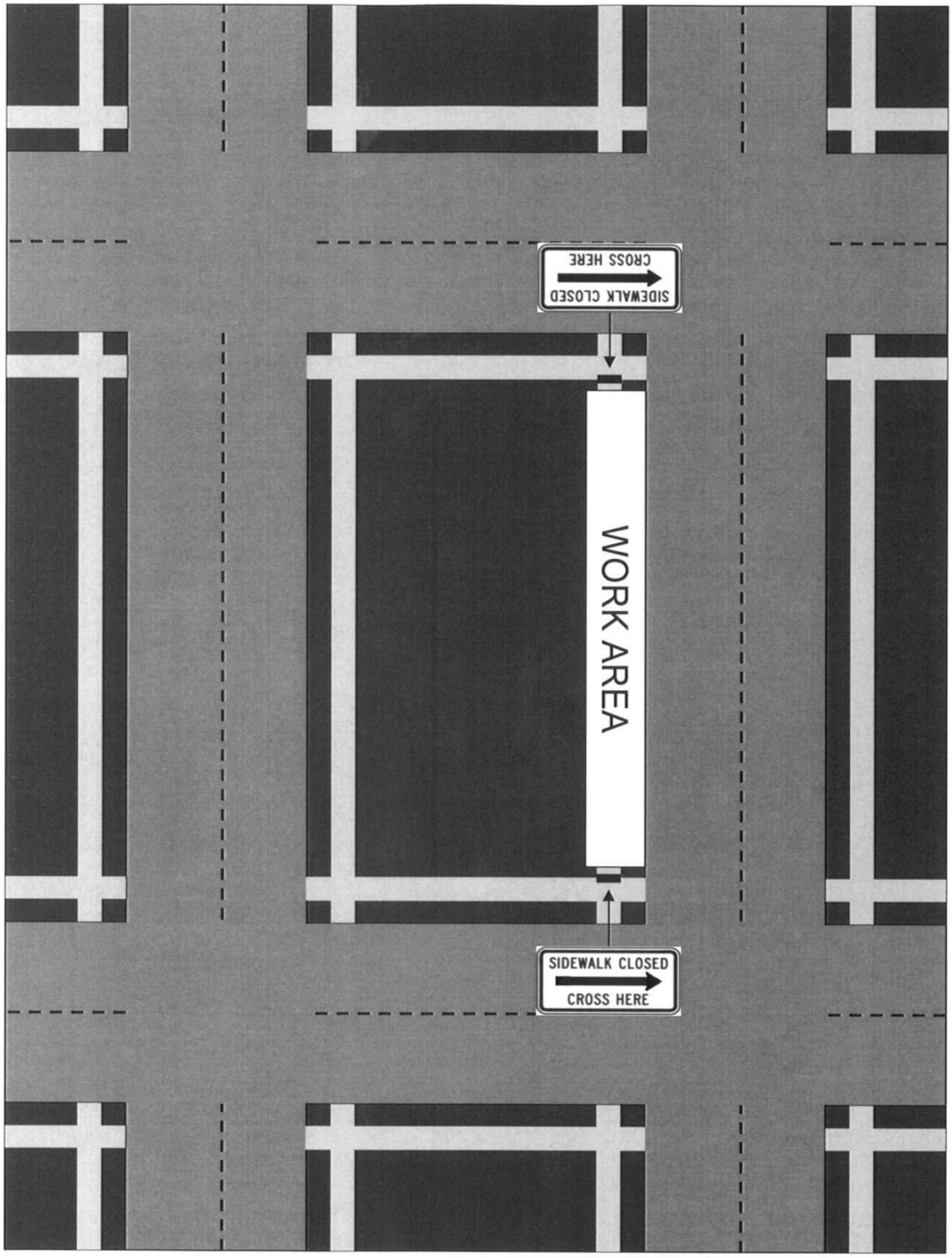
- SIDEWALK CLOSED AHEAD, (ARROW) CROSS HERE (R9-11): Used to indicate to pedestrians that sidewalks beyond the sign are closed and to direct them to open crosswalks, sidewalks, or other travel paths.

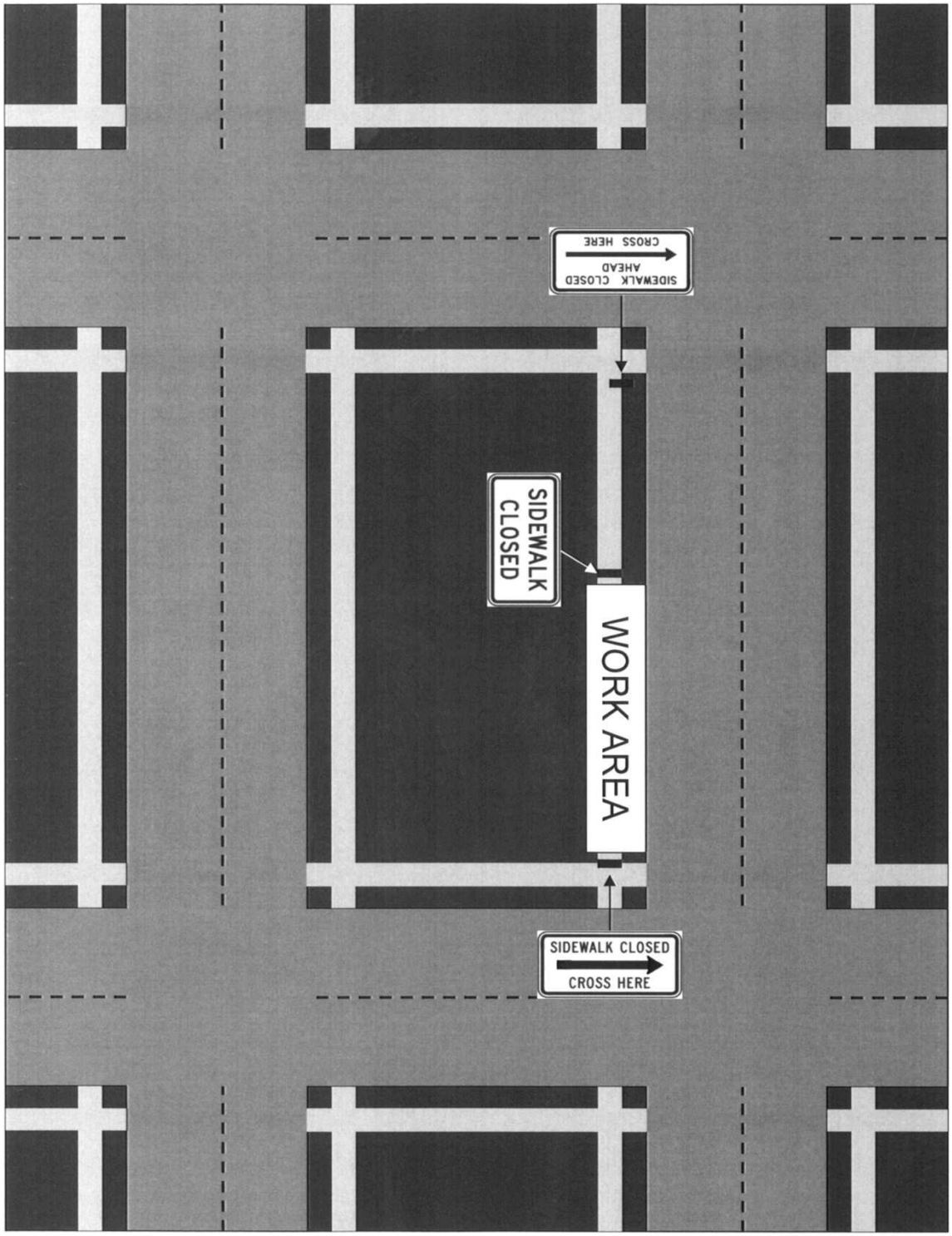
- SIDEWALK CLOSED, (ARROW) CROSS HERE (R9-11a): Installed just beyond the point to which pedestrians are being redirected.

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.

Sidewalk Closure – Sign Placement Example

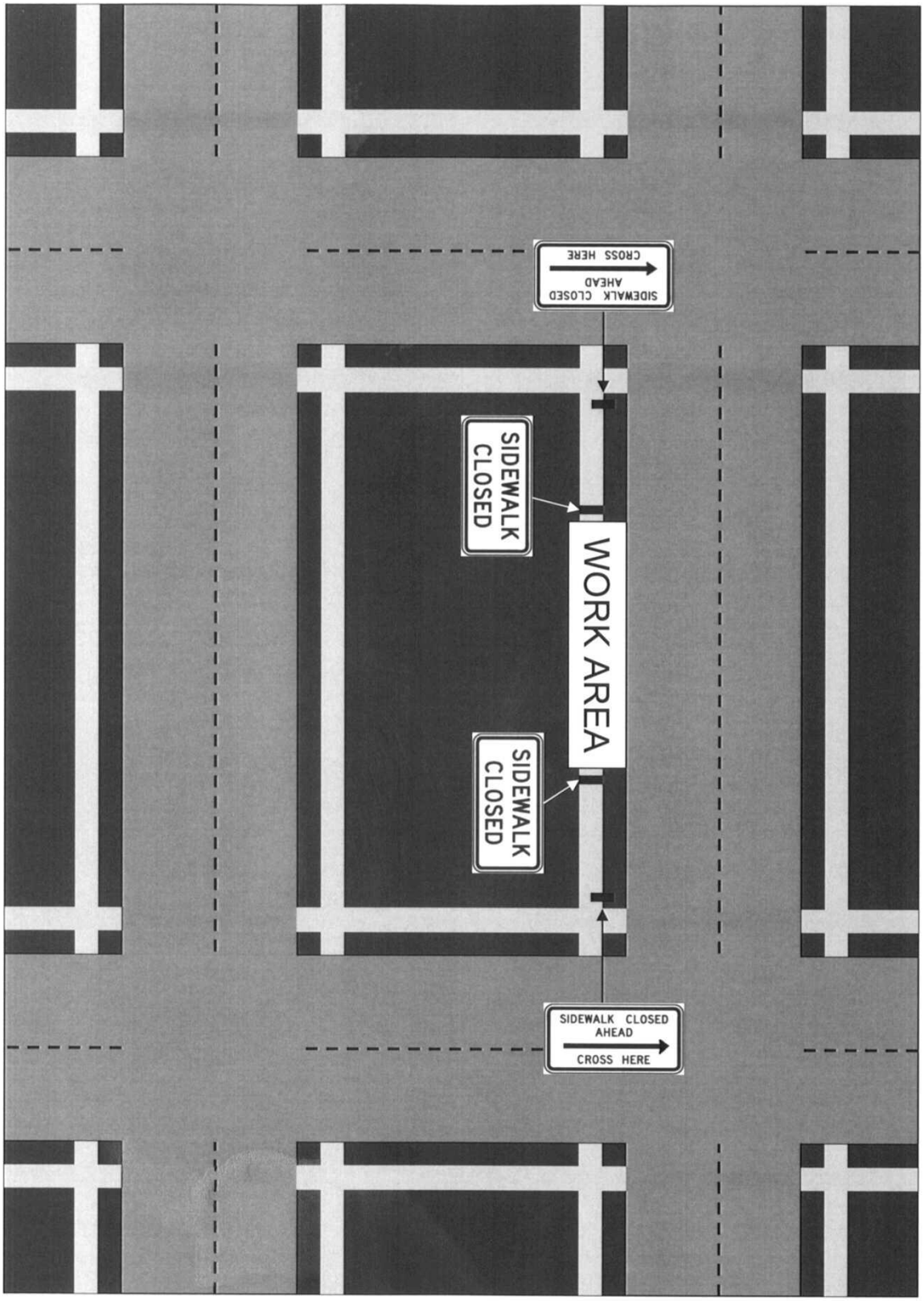
Attachment 2




SIDEWALK CLOSED
CROSS HERE
SIDEWALK CLOSED
WORK AREA
SIDEWALK CLOSED
AHEAD
CROSS HERE

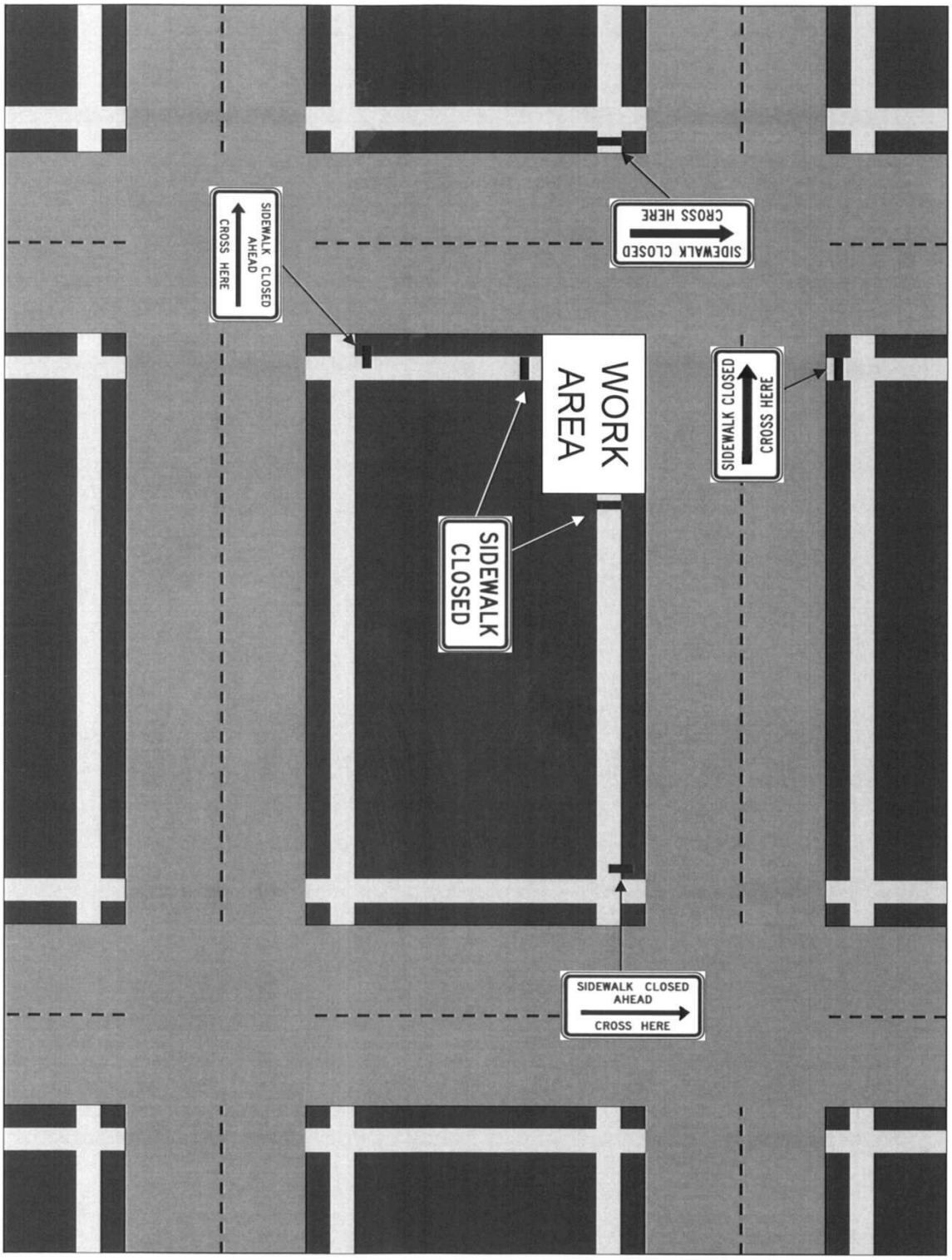
Sidewalk Closure – Sign Placement Example

Attachment 2



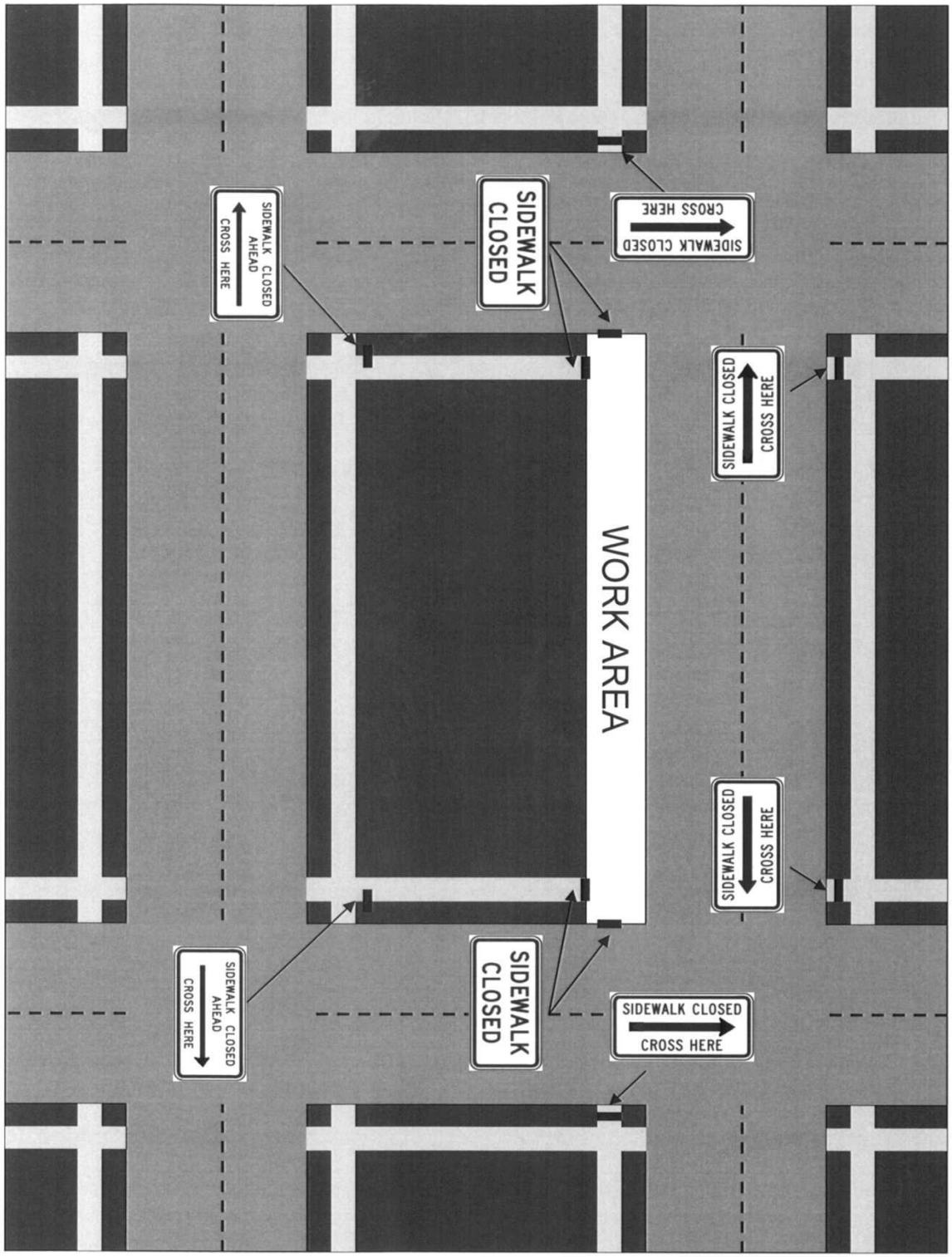
Sidewalk Closure – Sign Placement Example

Attachment 2



Sidewalk Closure – Sign Placement Example

Attachment 2

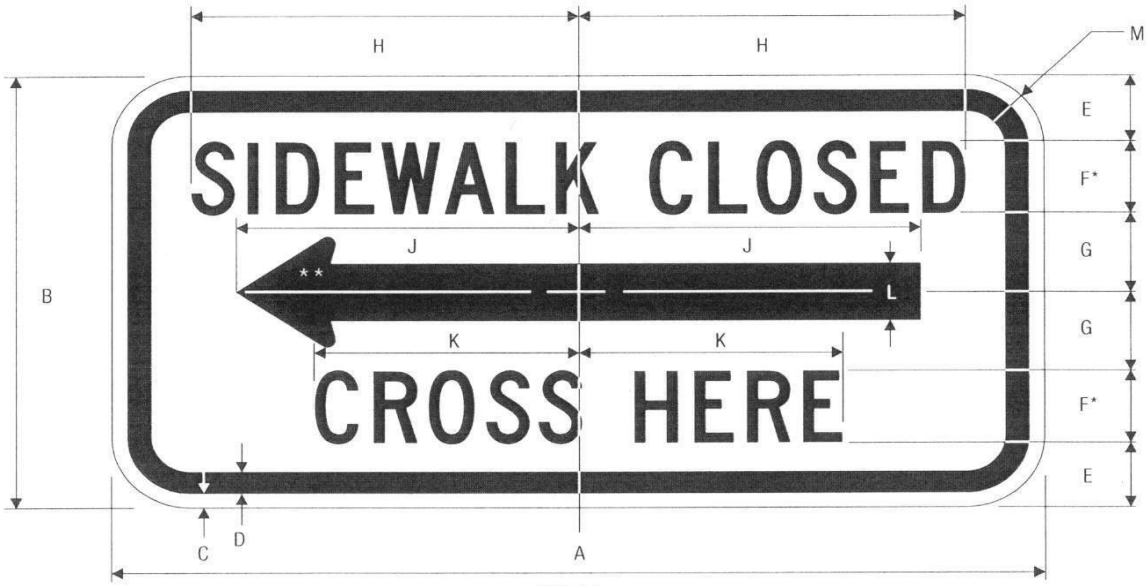


R9-9

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
C	30	18	.625	.875	3.5	4 D*	3	12.490	9.622	2.25

COLORS: LEGEND – BLACK
BACKGROUND – WHITE (RETROREFLECTIVE)



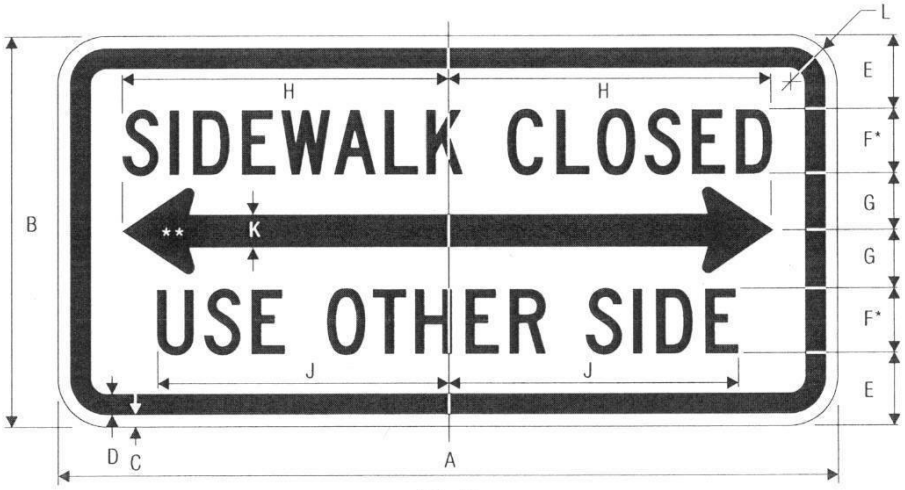
R9-11a

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)



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 Location Abbreviations found in Project Site Addresses

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

DRAWING INDEX

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-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