

Meeting Date: 12/8/2015

Report Type: Consent

Report ID: 2015-00939

Title: Contract: 56th Street & Grove/Lampasas Avenue Sewer Replacement

Location: Districts 2 and 3

Recommendation: Pass a Resolution 1) approving the contract plans and specifications for the 56th St. & Grove/Lampasas Ave. Sewer Replacement Project, and awarding the contract to T&S Construction, for an amount not-to-exceed \$972,681; and 2) approving related budget transfers to fund the Project.

Contact: Dan Sherry, Engineering & Water Resources Manager, (916) 808-1419; Brett Grant, Supervising Engineer, (916) 808-1413, Department of Utilities

Presenter: None

Department: Department Of Utilities

Division: Cip Engineering

Dept ID: 14001321

Attachments:

- 1-Description/Analysis
- 2-Background
- 3-Location Map
- 4-Resolution
- 5-Contract

City Attorney Review

Approved as to Form
Joe Robinson
12/2/2015 12:18:03 PM

Approvals/Acknowledgements

Department Director or Designee: Bill Busath - 11/17/2015 12:48:28 PM

Description/Analysis

Issue Detail: Staff is recommending Council approve a construction contract with T&S Construction to replace failed vitrified clay sewer pipe in Lampasas and Grove avenues, from the Bay Drive Drainage Ditch to Norwood Ave., in 56th St. between H & J, and in H St. between 56th & 57th. As part of this project, substandard sewer and water services, selected existing manholes, and a failing watermain will also be replaced.

Policy Considerations: This action is in conformance with City Code Chapter 3.60 Articles I and III, which provide that City Council may award competitively bid contracts to the lowest responsible bidder. Replacing these pipelines is consistent with the criteria set forth in the Department of Utilities' Capital Improvement Programming Guide,

Economic Impacts: This project is expected to create 3.9 total jobs (2.2 direct jobs and 1.7 jobs through indirect and induced activities) and create \$600,567 in total economic output (\$378,542 of direct output and another \$222,025 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 reviewed the proposed project and determined that it is exempt from review under the California Environmental Quality Act (CEQA) under Section 15302(c) of the CEQA Guidelines. The project consists of replacing existing public utility facilities with negligible expansion of capacity, and thus will not result in a significant environmental impact.

Sustainability: The project is consistent with the City's Sustainability Master Plan and sustainability targets as it will facilitate reduced sanitary sewer outflows, it will improve service and reliability, and it will reduce energy-intensive maintenance.

Commission/Committee Action: Not Applicable.

Rationale for Recommendation: The project was formally advertised to solicit bids, and bids were opened by the City Clerk on November 4, 2015. Five bids were received, as follows:

	Bidders	Bid Amount
1	T&S Construction	\$972,681
2	Navajo Pipelines	\$1,055,660
3	Florez Paving	\$1,098,100
4	McQuire & Hester, Inc.	\$1,190,410
5	Martin General	\$1,346,565

The engineer's estimate was \$995,000. T&S Construction is the lowest responsive and responsible bidder.

Financial Considerations: Total estimated cost for this project is \$1,250,000. To date, \$725,240 is available, and staff anticipates an additional \$524,760 will be needed to complete all project activities. Funding in an amount of \$489,660 will be transferred to the Wastewater Collection Pipe Replacement Program (project X14130600) from other project funds as shown below:

Project Description	Project No.	Fund No.	Amount (USD)
<i>Source Project No.'s</i>			
Sump 137 Reconstruction	X14002300	6320	(274,660)
Sump 137 Reconstruction	X14002300	6006	(50,000)
Residential Water Meter Program	Z14010000	6005	(165,000)
		Total =	(489,660)

Remaining funding needs in an amount of \$35,100 will be charged to the related Street Bikeway Overlays and Seals FY16 Program project (R15162000). Sufficient funds exist in the Street Bikeway Overlays and Seals FY16 Program for this charge.

Local Business Enterprise (LBE): T&S Construction is an LBE firm.

Background

The subject contract will complete two primarily residential sewer replacement projects City Council approved as part of DOU's FY13/14 CIP budget - the Lampasas project in northeast Sacramento's Noralto neighborhood, and the 56th St. project in East Sacramento. Based on economy of scale, DOU opted to combine this work into one construction contract, thereby receiving potentially more competitive bids, and reducing DOU's overall delivery costs.

There are three main reasons for replacing the existing sewers: 1) remove sags in the existing pipelines to thereby reduce grease build-up, maintenance requirements, and the likelihood of future sanitary sewer outflows (SSO's), 2) increase pipe diameter to meet current standards, and 3) rehabilitate pipe that is near the end of its useful service life. Existing 8-, and 10-inch diameter sewers along Lampasas Avenue and Grove Avenue are approximately 60 years old, and the existing 8-inch diameter sewer along 56th and H streets is nearly 100 years old. Both sewers require frequent maintenance and both have a history of SSOs. Closed circuit television inspections reveal severely deteriorated clay pipe, heavy grease buildup, offset pipe joints, and broken segments where voids are visible outside the pipe. Per DOU's Capital Improvement Programming Guide criteria, these pipes have failed and replacement is necessary.

Hydraulic capacity of the existing 8-inch diameter sewer along 56th & H streets is considered adequate. In order to meet DOU's design requirements, however, the 8-inch diameter main along Lampasas, and the 10-inch diameter main along Grove are both undersized, and should be upsized to 10- and 15-inches, respectively.

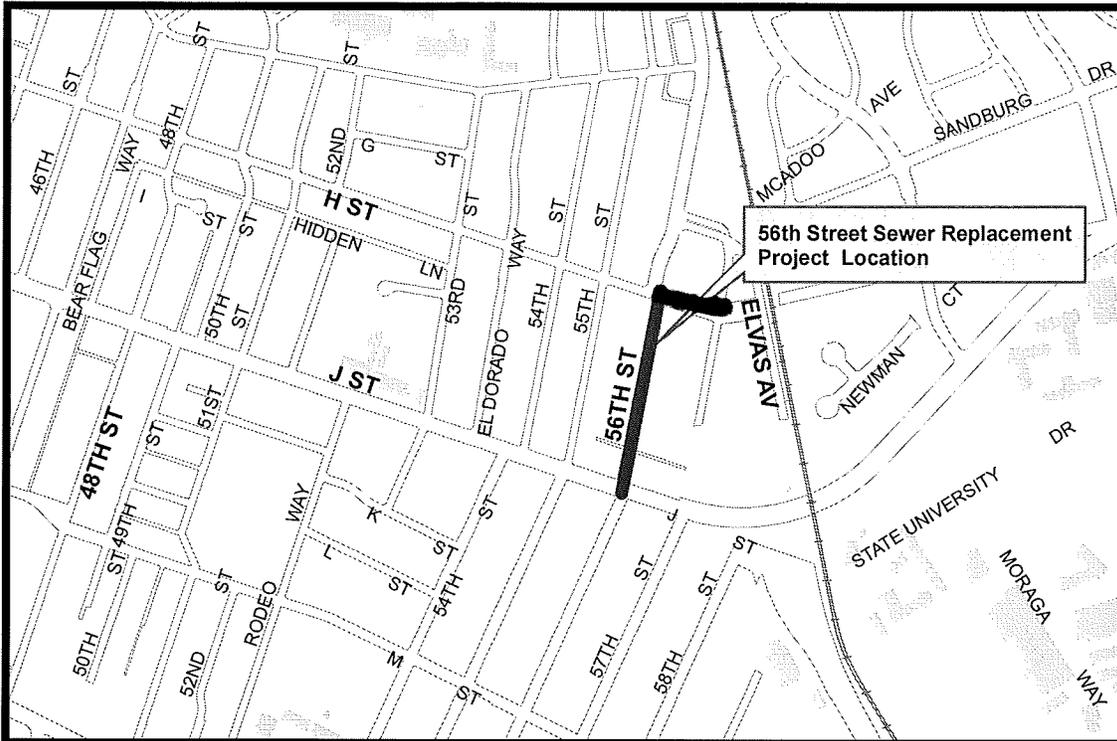
Concurrent with main replacements, existing substandard water and sewer services to adjacent properties, exposed when the sewer trench is opened, will also be replaced. Substandard water services are typically old lead or galvanized iron pipe. Substandard sewer services are anything other than PVC or plastic pipe (typically most are old clay). Water service replacements will extend to existing water meter and/or curb stop locations. Sewer service replacements will extend to existing curbside cleanouts and/or back of walk locations where new cleanouts will be installed.

The existing 6-inch water main along 56th St. is also near the end of its useful service life. The old iron pipe is very tuberculated and rough inside, which reduces service pressures and fire flow capacity. Water meters have been installed in this neighborhood, but neither the water main nor services between the main and the meters have been upgraded since they were initially installed. DOU proposes to use available water fund reserves to replace this old watermain with a new 8" main, concurrent with replacement of the sewer.

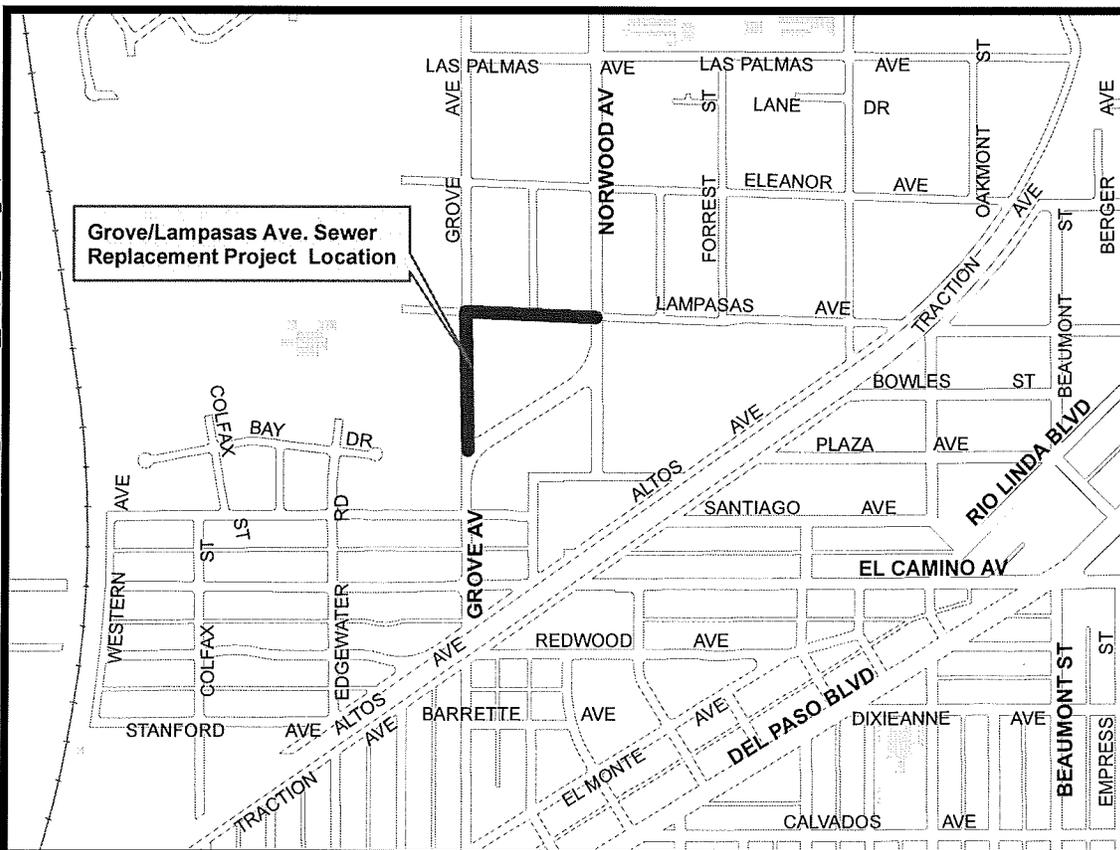
Concurrent replacement of both the water and sewer mains and services along 56th St. will disturb a good portion of the roadway surface, which already exhibits significant cracking. Accordingly, the Public Works and Utility departments have agreed to cost share a full 2-inch thick asphalt overlay, gutter lip to gutter lip the full length of 56th St. between H & J streets. DOU will pick-up 43-percent of the surface grinding/AC overlay/ and speed hump replacement costs.

LOCATION MAP

56th Street Sewer Replacement Project Grove/Lampasas Ave. Sewer Repl Project (PN:X14130601/3)



File: R:\Water\Water Exhibits\Project Location Maps\CM_X14130601-3_Project_Location_Map.mxd



RESOLUTION NO. 2015-

Adopted by the Sacramento City Council

AWARDING CONTRACT AND APPROVING BUDGET ADJUSTMENTS TO THE UTILITIES CAPITAL IMPROVEMENT PROGRAM FOR THE 56th STREET & GROVE/LAMPASAS AVENUE SEWER REPLACEMENT PROJECTS

BACKGROUND

- A. The 56th St. & Grove/Lampasas construction contract will complete two sewer replacement projects that City Council included as part of DOU's FY13/14 CIP budget (Wastewater Collection Pipe Replacement Project X14130600).
- B. Concurrent replacement of the 8-inch water main in 56th St. and a full 2-inch asphalt overlay were added to the scope of work in order to improve both a known substandard watermain and a roadway with considerable surface cracking. Including this work now lessens future neighborhood disruptions for separate water main replacement and overlay projects.
- C. Additional funds are required to construct the improvements as designed and bid.

BASED ON THE FACTS SET FORTH IN THE BACKGROUND, THE CITY COUNCIL RESOLVES AS FOLLOWS:

- Section 1. The contract plans and specifications for the 56th St. & Grove/Lampasas Ave. Sewer Replacement Project are approved, and the contract is awarded to T&S Construction, for an amount not-to-exceed \$972,681;
- Section 2. Budget transfers from the following projects to the Wastewater Collection Pipe Replacement Project (X14130600) are approved, in the amounts shown below:

Project Description	Project No.	Fund No.	Amount (USD)
<i>Source Project No.'s</i>			
Sump 137 Reconstruction	X14002300	6320	(274,660)
Sump 137 Reconstruction	X14002300	6006	(50,000)
Residential Water Meter Program	Z14010000	6005	(165,000)
		Total =	(489,660)

- Section 3. The Streets and Bikeway Overlays and Seals FY16 project (R15162000) is obligated to fund an amount up to \$35,100 for the 56th Street Sewer Replacement project.

ENGINEERING SERVICES DIVISION

CONTRACT DOCUMENTS
FOR
56TH STREET & GROVE/LAMPASAS AVE. SEWER REPLACEMENTS

PN: X14130601 & X14130603

B16141321008

Engineer's Estimate: \$865,000

For Pre-Bid Information Call:

Stu Williams
Senior Engineer
(916) 808-1410

No Separate Plans

Bids to be received before 2:00 PM
October 28, 2015
City Hall, Office of the City Clerk
915 I Street, 5th Floor, Public Counter
Sacramento, CA 95814

LBE PROGRAM PARTICIPATION

This project has a required minimum LBE participation level of 5.0 percent. For information on meeting the City of Sacramento's Local Business Enterprise (LBE) project goals, please contact City Procurement at (916) 808-6240, or visit the City of Sacramento's web site at:

<http://www.cityofsacramento.org/Economic-Development/Grow-Here/Small-Business/LBE>

56TH STREET & GROVE/LAMPASAS AVE. SEWER REPLACEMENTS

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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 **October 28, 2015**. Proposals will then be opened and read as soon thereafter as business allows, in the Hearing Room, 2nd Floor Room, in Historic City Hall, for construction of the:

56TH STREET & GROVE/LAMPASAS AVE. SEWER REPLACEMENTS (PN: X14130601 & X14130603) (B16141321008)

The work involves replacement of existing 6- to 10-inch diameter sewer pipes with new 8- to 15-inch diameter sewer pipes; replacement of an existing 6-inch water main with a new 8-inch water main; reconnection of existing sewer and water services; replacement of substandard sewer and water services; and associated work. The project requires at least 5.0 percent participation by Local Business Enterprise (LBE) firms.

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 56TH STREET & GROVE/LAMPASAS AVE. SEWER REPLACEMENTS (PN: X14130601 & X14130603) (B16141321008)

You can view and download the Contract Documents via the following webpage address:

<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 upon request.

The City of Sacramento has a Labor Compliance Program, and **electronic submission of Labor Compliance Reports is required**. The contractor and every lower-tier subcontractor shall submit certified payrolls and labor compliance documentation electronically in the manner prescribed by the City of Sacramento. Each contractor and subcontractor shall receive a unique Log-On identification and password to access the City's reporting system. Use of the City's system may entail additional contractor time for data entry of weekly payroll information including employee identification, labor classification, total hours worked, hours worked on this project, and wage and benefit rates paid, etc. 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.

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 is subject to compliance monitoring and enforcement by the DIR. Per California Labor Code Section 1771.4 (enacted by SB 854), the contractor and all subcontractors shall furnish electronic payroll records directly to the Labor Commissioner (in addition to submittals made to City staff via the City's electronic system).

NOTICE TO CONTRACTORS

A Fact Sheet summarizing the provisions of SB 854 is included in the Contract Documents following this Notice solely for informational purposes, and does not in any way affect the contractor's and subcontractors' obligations 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.

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 Notice to Contractors 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.

Contact information for the City's manager of this project is:

Stu Williams, Department of Utilities, Engineering & Water Resource Division
1395 35th Avenue, Sacramento, CA 95822
Phone: (916) 808-1410 / Fax: (916) 808-1497/E-mail: SSWilliams@cityofsacramento.org

Addendum #1

October 21, 2015

56th ST. & GROVE/LAMPASAS AVE. SEWER REPLACEMENTS
PN: X14130601 & X147130603 (Bid Transaction #B16141321008)

To All Potential Bidders:

This addendum consists of seven (7) items as described on the following pages. In general, **the bid date is postponed one week** to allow pricing two additional items of work, i.e., grinding and placing a full width AC overlay on 56th St., plus replacement of the 8-inch sewer in H St. between 56th & 57th streets. A plan sheet for the additional work on H St. will be issued in a subsequent addendum.

The changes described in this addendum shall be incorporated into the Plans and Specifications for the subject project, and shall be considered part of the original documents, as if they were originally provided therein. All other terms, conditions, and specifications of the contract documents 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 or telegram which includes a reference to the Project Name and the Addendum Number.

Failure to cause acknowledgment of this addendum in one of the identified methods to be received at New City Hall, Office of the City Clerk, Public Counter, 5th Floor, 915 I Street, Sacramento CA 95814, prior to the hour and date specified for receipt of bids, may result in rejection of your offer. If by virtue of this addendum you decide to change an offer already submitted, such change may be made by telegram or letter, provided that such telegram or letter makes reference to the Project Name and the Addendum Number, and the change is received prior to the hour and date specified for bid opening.

For questions related to this addendum, contact the Project Manager, Stu Williams at (916) 808-1410, or e-mail: sswilliams@cityofsacramento.org.

Attachments follow and are part of this addendum.

56th St. & Grove/Lampasas Ave. Sewer Replacements
PN: X14130601 & X14130603 (Bid Transaction # B16141321008)

Item Ref, Page Description

Bid Date and Engineer's Estimate

1. Contract Doc. Cover Change the Engineer's Estimate from "\$865,000" to "\$995,000."
2. Contract Cover, Notice, Change the date bids are due from "October 28, 2015" to "November 4, 2015."
Proposal, & Bid Bond,

Proposal & Bid Proposal Guarantee

3. Proposal pages 1 & 2 of 3, Replace these three pages with the attached ones that show "Rev 1" in the
and Bid Bond page 1 footer. Proposal Item No. 3 reflects less anticipated potholes; Item No's. 6 &
10 reflect the added 8-inch sewer replacement along H Street between 56th &
57th; and Item No. 24 is for the added overlay on 56th St. The allotted number
of working days is increased to eighty-five (85). The bid date is changed on
the bid bond.

Agreement

4. Agreement, page 3 of 12. In the second line of the first paragraph of article 9, replace "**seventy (70)**
working days" with "**eighty-five (85) working days**".

Special Provisions

5. Article 3.05, pg SP 3-2 Add the following to the end of the first paragraph:

Based on a sta 1+00 Grove Ave. flow meter reading from 2013, the downstream end average dry weather flow (ADWF), the peak dry weather flow (PDWF), and the peak wet weather flow (PWWF) leaving the Grove/Lampasas sewer main are estimated to be 0.65, 1.04, and 1.6 million gallons per day (mgd), respectively. Based on the City's Downtown Sewer model, the downstream end ADWF, PDWF, and the PWWF leaving the 56th St. sewer main are estimated to be 0.07, 0.25, and 0.26 mgd respectively.
6. Item No. 3, Potholes, Replace the first and second paragraphs with the following single paragraph:
pg SP 4-1

Unless otherwise directed, perform potholes in Lampasas Ave. at a minimum frequency of every 50 linear feet along the length of the surface marked 12 or 16 inch gas main that is closest to (and north of) the replacement sewer so as to confirm this gas line's horizontal and vertical alignment. Potholes, hand-excavation, or any other method utilized by the contractor to conform with the requirements of California Government Code 4216 to determine the exact location of all other utilities shown on the drawings shall be included in the various items of work, and no separate payment will be made therefor.
7. New Item No. 24, Replace the subject page with attached pages SP 4-10 and SP 4-11 that shows
pg SP 4-10 "Rev 1" in the footer. This adds a new item to grind and place a new AC
overlay on 56th St.

End of Addendum No. 1 Items (5 attached pages follow and are part of this addendum)

Contractor's Name: _____
(Please print)

CITY OF SACRAMENTO
SEALED PROPOSAL

Sealed Proposals will be received not later than 2:00 PM on **November 4, 2015**, at the Office of the City Clerk, New City Hall, at 915 I Street, 5th Floor, Public Counter, Sacramento, California 95814, and will be opened as soon thereafter as business allows. PROPOSALS MUST BE SIGNED BY BIDDERS IN ORDER TO BE RESPONSIVE.

TO THE HONORABLE CITY COUNCIL:

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

**56TH STREET & GROVE/LAMPASAS AVE. SEWER REPLACEMENTS
(PN: X14130601 & X14130603) (B16141321008)**

in the City and County of Sacramento, California.

TOTAL BID: _____ (\$ _____).

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	Preconstruction Photographs	1	LS	\$ _____	\$ _____
2	Mobilization	1	LS	\$ _____	\$ _____
3	Potholes	15	EA	\$ _____	\$ _____
4	15-Inch Sewer Pipe	482	LF	\$ _____	\$ _____
5	10-Inch Sewer Pipe	694	LF	\$ _____	\$ _____
6	8-Inch Sewer Pipe	1,380	LF	\$ _____	\$ _____
7	Manhole #3	4	EA	\$ _____	\$ _____
8	Manhole #3A	3	EA	\$ _____	\$ _____
9	Inside Drop Connection	3	EA	\$ _____	\$ _____
10	Substandard Sewer Service	70	EA	\$ _____	\$ _____
11	Sewer Pipe Ends to Plug	10	EA	\$ _____	\$ _____
12	Unsuitable Material	35	TON	\$ _____	\$ _____
13	Unmarked Utility Crossings	20	EA	\$ _____	\$ _____
14	Service Lateral Trench Hand Excavation	350	LF	\$ _____	\$ _____
15	8-inch Water Main	990	LF	\$ _____	\$ _____
16	4-inch Water Service to Transfer	1	EA	\$ _____	\$ _____
17	Fire Hydrant Lead to Transfer	2	EA	\$ _____	\$ _____
18	Replacement Fire Hydrant	1	EA	\$ _____	\$ _____
19	4-inch Diameter Gate Valve	1	EA	\$ _____	\$ _____

Item No.	Description	Estimated Quantity	Unit	Unit Price	Total
20	8-inch Diameter Gate Valves	4	EA	\$ _____	\$ _____
21	Connection to Existing Water Distribution System	1	LS	\$ _____	\$ _____
22	Replace Traffic Signal Detector Loops	3	EA	\$ _____	\$ _____
23	Substandard Water Service	14	EA	\$ _____	\$ _____
24	56 th St. Asphalt Overlay	270	TON	\$ _____	\$ _____

TOTAL BID: \$ _____

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 signing of the contract by the Contractor and the City, or by the Notice to Proceed date, whichever is applicable.

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 **of eighty-five (85) 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 **seven hundred dollars (\$700.00) 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.

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.

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 total amount bid in the Proposal by 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 **November 4, 2015**, for the Work specifically described as follows:

56TH STREET & GROVE/LAMPASAS AVE. SEWER REPLACEMENTS
(PN: X14130601 & X14130603) (B16141321008)

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 #

Standard Specifications. New service boxes shall be installed for each new water service.

Contractor shall give twenty-four (24) hours advance notice to the residents and businesses before their water service is replaced. Maximum time for shutdown of any water service to any residence or business shall be four (4) hours.

The quantity of Substandard Water Services shown on the Proposal is for bidding purposes only. The exact number and location of existing Substandard Water Services to be replaced shall be determined in the field. The unit price paid will not be adjusted if the actual number of services replaced varies from the quantity shown. If no substandard water services are encountered, no payment will be made for this item.

Payment shall be made at the unit price bid to replace substandard water services, based on the actual number 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. 24 56th St. Asphalt Overlay

This item consists of milling for and placing a 2-inch thick asphalt concrete (AC) overlay along 56th St., between approximate stations 0+65 and 10+38. Extend the overlay and milling as directed by the Engineer for the full width and depth between the adjacent gutter lips. After completing all sewer main, water main, and service lateral replacement work along this street, place overlay in conformance with Standard Specification Section 22 and these Special Provisions. Work shall include replacement in kind of both traffic calming "speed lumps" and all pavement markings. AC placed in pipe trenches below the 2-inch overlay depth so as to match the existing pavement thickness shall not be included in or measured as part of the Asphalt Overlay. Unless otherwise directed or approved, replacement markings shall be thermoplastic in conformance with Standard Specification section 32-2.

Asphalt concrete (AC) for the overlay shall be Type A conforming to Section 22 of the Standard Specifications, except that the aggregate grading shall be ½" Maximum, Medium, and the asphalt binder shall be PG 64-10 with no crumb rubber requirement.

Lower all existing roadway iron, i.e., manholes, valve boxes, cleanouts, etc., prior to pavement planing, then raise all to finish grade following overlay placement.

Pavement milling shall be done in an approved manner by cold planing. Limits of pavement planing shall be determined by the Engineer. The depth of planing below the gutter lip and at the roadway centerline shall be equal to the specified overlay thickness. Dispose of grindings off-site. Repair any damage done by the grinding machine to existing AC that is to remain.

Removal of pavement markings and speed lumps shall be performed via approved methods, and will be considered as included in the prices paid per ton of asphalt concrete.

Resurface the roadway within **three (3) calendar days** of planing operations.

Roadway iron shall be temporarily lowered below the grade of the planed surface prior to milling. The hole shall be covered so as to support traffic and temporarily covered with compacted AC prior to opening lane to traffic. **All debris, which enters maintenance holes as a result of this operation, shall be removed immediately.**

Prior to lowering roadway iron, submit drawings for approval showing the location of all iron. Each maintenance hole shall be clearly identified by type, and shall be sequentially numbered on a drawing. The locations shall be established by recording on the drawing and marking in the field, the radial distance from the maintenance hole to two (2) separate and distinct points on the street curb. Work shall not proceed on lowering iron or pavement milling until such drawings have been reviewed and accepted by the Engineer.

Reinstall roadway iron to conform to the grade of the new surface in accordance with these Special Provisions. Unless otherwise directed, reinstallation shall conform to comparable Standard Specification Section 38 drawings for new installations. Castings shall be thoroughly cleaned of all loose or cracked Portland Cement Concrete prior to reinstallation, and the excavated area and casting shall be thoroughly wetted prior to receiving reinstallation mortar or concrete.

Asphalt patch around reinstalled roadway iron shall be 3/8" maximum aggregate per Section 39.202 of the State Specifications. Apply a RS-1 or SS-1 asphaltic sand seal coat atop the AC patch in accordance with the General Provisions of Section 37-1, "Seal Coats" of the State Specifications.

Complete raising iron within 10 working days of placing the asphaltic concrete overlay. Perform field review with the Engineer to ensure all iron has been raised to grade. **If during the review the Engineer determines a maintenance hole has not been raised, Contractor shall be fined a \$1,000 administrative penalty for each iron piece not adjusted to grade.**

Place pavement markings at least three (3) calendar days, but no more than seven (7) calendar days after resurfacing is completed. **If the Contractor fails to place the striping and markings in the time period allowed, Contractor shall be fined an administrative penalty of \$500 per calendar day until the work is completed.**

Payment shall be at the unit price bid per ton and shall include full compensation for furnishing all labor, materials, tools equipment and incidentals and for doing all work necessary to complete this item in place including pavement milling (planing), lowering and reinstalling existing roadway iron, furnishing and placing asphalt concrete, and removing and replacing pavement markings as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer.

****END OF SPECIAL PROVISIONS****

Addendum #2

October 21, 2015

56th ST. & GROVE/LAMPASAS AVE. SEWER REPLACEMENTS
PN: X14130601 & X147130603 (Bid Transaction #B16141321008)

To All Potential Bidders:

This addendum consists of one (1) item as follows:

Addendum No. 1 posted on the PlanetBids vendor portal on October 21, 2015. If one attempts to download the addendum, the “Addendum Detail” window lists two files (1st Title = “Addendum No. 1 56th”. 2nd Title = “Bid Spec for Add No. 1”). Please disregard the 2nd file (file name = “X14130601_Lampasas56thAveSewerWater”).

Page 2 of 2 of this addendum is a screen shot provided for clarification. The text in Addendum No. 1 remains valid.

This change shall be incorporated into the Plans and Specifications for the subject project, and shall be considered part of the original documents, as if originally provided therein. All other terms, conditions, and specifications of the contract documents 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 or telegram which includes a reference to the Project Name and the Addendum Number.

Failure to cause acknowledgment of this addendum in one of the identified methods to be received at New City Hall, Office of the City Clerk, Public Counter, 5th Floor, 915 I Street, Sacramento CA 95814, prior to the hour and date specified for receipt of bids, may result in rejection of your offer. If by virtue of this addendum you decide to change an offer already submitted, such change may be made by telegram or letter, provided that such telegram or letter makes reference to the Project Name and the Addendum Number, and the change is received prior to the hour and date specified for bid opening.

For questions related to this addendum, contact the Project Manager, Stu Williams at (916) 808-1410, or e-mail: sswilliams@cityofsacramento.org.

Addendum No. 2
56th St. & Grove/Lampasas Ave. Sewer Replacements
PN: X14130601 & X14130603 (Bid Transaction # B16141321008)

October 21, 2015

The screenshot shows the PlanetBids Vendor Portal interface. The main content area displays details for Addendum No. 01, including the title "Addendum 1 56th Street & Grove/Lampasas Avenue Sewer Replacement", the post date "October 21, 2015", and the description "Addendum 1 56th Street & Grove/Lampasas Avenue Sewer Replacement". A modal window titled "Addendum Detail" is open, showing a table of files for download. The table has columns for Title, File Name, and Status. The file listed is "Addendum No. 1 56th Bid Spec for Add No.1 X14130601_Lampasas56thAveSewerWater", with a status of "Active". A red callout box points to the "Files" column header with the text "Download and acknowledge this document as Addendum No. 1". Another red callout box points to the "Status" column with the text "Disregard this document. It does not contain the project plans". The interface also includes a navigation menu at the top with options like "Home - Engineering and W...", "Parcel Viewer, Sacramento C...", "PlanetBids Vendor Portal", and "PlanetBids Vendor Portal". A "Log in to Acknowledge" button is visible at the bottom of the modal window.

Title	File Name	Status
Addendum No. 1 56th Bid Spec for Add No.1 X14130601_Lampasas56thAveSewerWater	Lampasas_56thGroveSewerReplace_Adde	Active

Addendum #3

October 28, 2015

56th ST. & GROVE/LAMPASAS AVE. SEWER REPLACEMENTS
PN: X14130601 & X147130603 (Bid Transaction #B16141321008)

To All Potential Bidders:

This addendum consists of four (4) items as described on the following pages. The changes shall be incorporated into the Plans and Specifications for the subject project, and shall be considered part of the original documents, as if they were originally provided therein. All other terms, conditions, and specifications of the contract documents 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 or telegram which includes a reference to the Project Name and the Addendum Number.

Failure to cause acknowledgment of this addendum in one of the identified methods to be received at New City Hall, Office of the City Clerk, Public Counter, 5th Floor, 915 I Street, Sacramento CA 95814, prior to the hour and date specified for receipt of bids, may result in rejection of your offer. If by virtue of this addendum you decide to change an offer already submitted, such change may be made by telegram or letter, provided that such telegram or letter makes reference to the Project Name and the Addendum Number, and the change is received prior to the hour and date specified for bid opening.

For questions related to this addendum, contact the Project Manager, Stu Williams at (916) 808-1410, or e-mail: sswilliams@cityofsacramento.org.

Attachments follow and are part of this addendum.

56th St. & Grove/Lampasas Ave. Sewer Replacements
PN: X14130601 & X14130603 (Bid Transaction # B16141321008)

<u>Item</u>	<u>Ref, Page</u>	<u>Description</u>
-------------	------------------	--------------------

Plans

- | | | |
|----|------------------------------------|--|
| 1. | Dwg G-1 | Replace this sheet with the one included herewith marked “Revision 1” in the title block (lower left corner). The “Index of Sheets” is changed to show new sheet “A-1” titled “H St. Plan & Profile sta 0+00 to 4+50”; the location map for the 56 th Project is changed to include H St. between 56 th and 57 th streets; and the sheet count in the title block (lower right corner) is changed to reflect 8 instead of 7 total sheets. |
| 2. | Dwg C-2 | Replace this sheet with the one included herewith marked “Revision 1” in the title block (lower left corner). Profile info for the MH at sta 10+64.19 is changed; and the sheet count in the title block (lower right corner) is changed to reflect 8 instead of 7 total sheets. |
| 3. | Dwg’s C-1, C-3, C-4,
C-5, & W-1 | Change “7” to “8” in the lower right corner of the title block on these five drawings to reflect 8 instead of 7 total sheets. |
| 4. | Dwg A-1 | Add this new sheet which shows replacement of 333 lineal feet of existing 8”SS on H Street, between 56 th & 57 th streets. This is the sheet mentioned as forthcoming in Addendum #1. The MH this Dwg at sta 0+45.83 is the same as the MH at sta 10+64.19 on Dwg C-2. Limit pavement striping to be restored per note 5 on this sheet to existing striping damaged as a part of constructing this project. |

End of Addendum No. 3 Items (3 plans follow and are part of this addendum)

GENERAL NOTES

- ALL CONSTRUCTION SHALL CONFORM TO THE CITY OF SACRAMENTO STANDARD SPECIFICATIONS DATED JUNE 2007 AND THE SPECIAL PROVISIONS.
- THREE WORKING DAYS PRIOR TO PROJECT STAKING, THE CONTRACTOR SHALL SUBMIT TO THE RESIDENT ENGINEER A COMPLETED CONSTRUCTION STAKING REQUEST FORM.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR FURNISHING, INSTALLING AND MAINTAINING ALL WARNING SIGNS AND DEVICES NECESSARY TO SAFEGUARD THE GENERAL PUBLIC AND THE WORK, AND FOR PROVIDING PROPER AND SAFE ROUTING OF THE VEHICULAR AND PEDESTRIAN TRAFFIC DURING THE PERFORMANCE OF THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO WORKING HOURS. THE USE OF FLAGGERS, BARRICADES AND CONSTRUCTION SIGNING SHALL COMPLY WITH THE CURRENT EDITION OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.).
- THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (1-800-642-2444) TWO WORKING DAYS PRIOR TO COMMENCEMENT OF WORK. IN ACCORDANCE WITH ALL APPROPRIATE LAWS, INCLUDING BUT NOT LIMITED TO CALIFORNIA GOVERNMENT CODE 4216, CONTRACTOR SHALL TAKE THE PROPER CARE AND PROTECTION WHEN EXCAVATING NEAR AND LOCATING UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING WATER, SEWER AND/OR DRAINAGE FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL THE PROPOSED IMPROVEMENTS ARE PLACED AND FUNCTIONING.
- EXACT LIMITS OF PAVEMENT REMOVAL AND RECONSTRUCTION SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- DEMOLITION OF EXISTING IS TO BE LIMITED TO THE ITEMS SHOWN ON THE PLANS AND DESCRIBED IN THE SPECIAL PROVISIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE ALL EXISTING FEATURES DAMAGED BY HIS OPERATIONS, AT HIS EXPENSE.
- THE CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR PROTECTING EXISTING TREES. ANY TREE DAMAGED SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.
- AT THE TIME THE CONTRACT IS AWARDED, THE CONTRACTOR SHALL POSSESS A CLASS A LICENSE, OR A COMBINATION OF CLASSES REQUIRED BY THE CATEGORIES AND CLASSES OF WORK INCLUDED IN THIS CONTRACT.
- THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE DIVISION OF OCCUPATIONAL SAFETY & HEALTH (2424 ARDEN WAY SUITE 165, SACRAMENTO, CA PHONE 263-2800) PRIOR TO ANY TRENCHING EXCAVATION 5 FEET OR MORE IN DEPTH. A COPY OF THIS PERMIT SHALL BE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES.
- CALL PG&E 48 HOURS IN ADVANCE TO REQUEST "STANDBY" WHEN WORKING NEAR (WITHIN 5') OR CROSSING HIGH PRESSURE FEEDER GAS MAINS AS DESIGNATED ON THE PLANS OR IN THE FIELD. CONTACT PG&E BY CALLING 386-5153.
- ALL CURB, GUTTER AND SIDEWALK SHOWN TO BE REMOVED SHALL BE REMOVED TO THE NEAREST EXPANSION JOINT OR SCORE MARK. DAMAGE TO EXISTING CURB, GUTTER, AND SIDEWALK WHICH IS SHOWN ON THE PLANS TO REMAIN, SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING RECORD DRAWINGS FOR ALL UNDERGROUND WORK THROUGHOUT THE COURSE OF CONSTRUCTION. SUCH DRAWINGS SHALL RECORD THE LOCATION AND GRADE (CITY DATUM) OF ALL UNDERGROUND IMPROVEMENTS AND SHALL BE DELIVERED TO THE CITY PRIOR TO CONSIDERATION OF THE ACCEPTANCE OF WORK.
- THE CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR PRESERVING ALL EXISTING SURVEY MONUMENTS WHICH WILL BE DISTURBED OR REMOVED AS REQUIRED BY CONTRACTOR'S WORK. CONTRACTOR SHALL COORDINATE WITH ENGINEER/SURVEYOR PRIOR TO DISTURBANCE OF EXISTING MONUMENTS, AND SHALL RESET MONUMENTS OR PROVIDE PERMANENT WITNESS MONUMENTS AND FILE DOCUMENTATION WITH THE COUNTY SURVEYOR PURSUANT TO BUSINESS AND PROFESSIONS CODE SECTION 8771.
- REPLACEMENT OF LIVE SEWER SERVICES SHALL BE TO THE PROPERTY LINE. REPLACEMENT SEWER CLEANOUTS AND SERVICE DIAMETERS SHALL MATCH EXISTING, OR BE A MINIMUM OF 4 INCHES.
- WITHOUT EXCEPTION, ALL OPENING AND CLOSING OF VALVES ON EXISTING WATER MAINS SHALL BE EXECUTED BY UTILITIES DEPARTMENT CREWS ONLY.
- ALL TAPS INTO SEWER AND DRAIN MANHOLES SHALL BE CORE BORED WITH KOR-N-SEAL TAPS OR APPROVED EQUAL UNLESS OTHERWISE APPROVED BY THE ENGINEER.

TREE PRESERVATION NOTES:

- THE CONTRACTOR SHALL HIRE AN INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST (PROJECT ARBORIST) TO MONITOR AND ASSIST WITH TREE PRESERVATION EFFORTS.
- TREE TRUNKS AND BRANCHES SHALL BE PROTECTED FROM MECHANICAL DAMAGE BY EQUIPMENT OR OTHER CAUSE BY ANY MEANS NECESSARY.
- THE CONTRACTOR SHALL NOT ALLOW STORAGE OF FUELS, MATERIALS, EQUIPMENT, CONCRETE WASHOUT OR ANY OTHER DELETERIOUS ACTIVITIES WITHIN THE DRIPLINE OF ANY "PROTECTED TREE". A "PROTECTED TREE" IS ANY TREE WITHIN THE CITY RIGHT OF WAY OR A HERITAGE TREE. A HERITAGE TREE IS:
 - 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.
 - 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.
- WHERE ANY PRUNING IS REQUIRED, INCLUDING PRUNING FOR EQUIPMENT CLEARANCE, HEALTH OR OTHER REASONS, THE WORK SHALL BE DIRECTED AND MONITORED BY THE PROJECT ARBORIST.
- WHERE TREE ROOTS GREATER THAN TWO INCHES IN DIAMETER ARE ENCOUNTERED DURING TRENCHING, AND/OR EXCAVATION, WORK SHALL BE IMMEDIATELY HALTED UNTIL THE PROJECT ARBORIST DETERMINES THE EXTENT OF ROOT PRUNING NECESSARY OR OTHER ALTERNATE MEANS TO MINIMIZE DAMAGE TO THE TREE AND TO ALLOW THE WORK TO PROCEED. WHERE ANY ROOT PRUNING IS REQUIRED, THE WORK SHALL BE DIRECTED AND MONITORED BY THE PROJECT ARBORIST.
- THE PROJECT ARBORIST SHALL PROVIDE NOTICE TO THE CITY AND DOCUMENT SUCH WORK AS OUTLINED ABOVE. DOCUMENTATION SHALL BE PROVIDED TO THE CITY WITHIN 72 HOURS OF SUCH WORK BY CONTACTING URBAN FORESTRY PERSONNEL DIRECTLY OR AT URBANFORESTRY@CITYOFSACRAMENTO.ORG.
- IN A CASE WHERE THE PROJECT ARBORIST DETERMINES THAT DIRECTION FROM CITY OFFICIALS IS NECESSARY, THE CITY SHALL BE NOTIFIED OF THE REQUEST AT LEAST 24 HOURS IN ADVANCE.
- DAMAGE TO PUBLIC TREES MAY BE SUBJECT TO PENALTIES UNDER SACRAMENTO CITY CODE 12.56 OR 12.64. CLAIMS FOR DAMAGE TO TREES ON PRIVATE PROPERTY MAY BE BROUGHT BY INDIVIDUAL PROPERTY OWNERS.

STANDARD ABBREVIATIONS

A.B.	AGGREGATE BASE	EL. or ELEV.	ELEVATION	PI	POINT OF INTERSECTION
A.C.	ASPHALT CONCRETE	EMTR	ELECTRICAL METER	PL or R	PROPERTY LINE
APPROX.	APPROXIMATE	EP or EOP	EDGE OF PAVEMENT	PP	POWER POLE
AT&T	AT&T TELECOMMUNICATIONS	(E), EXIST.	EXISTING	PCC	PORTLAND CONCRETE
AVE.	AVENUE	FA	FIRE ALARM	(P), PROP.	PROPOSED
BC	BEGIN CURVE	FG	FINISHED GRADE	PVC	POLY VINYL CHLORIDE
BLDG	BUILDING	FH	FIRE HYDRANT	PEDESTAL	
BOC	BACK OF CURB	FL or E	FLOW LINE	R or RT.	RADIUS OR RIGHT
CAB	CABINET	FM	FORCE MAIN	RCP	REINFORCED CONC. PIPE
C&G	CURB AND GUTTER	FO	FIBER OPTIC	R/W, ROW	RIGHT-OF-WAY
CC&S	CURB, GUTTER AND SIDEWALK	FOC	FACE OF CURB	S=	SLOPE EQUALS
CL or E	CENTER LINE	G	GAS	SD	STORM DRAIN
CH	CHORD	G.B.	GRADE BREAK	SDMH	STORM DRAIN MANHOLE
CO	CLEANOUT	GMTR	GAS METER	SDWK	SIDEWALK
CONC.	CONCRETE	G.V.	GATE VALVE	SECT.	SECTION
CONST.	CONSTRUCT	JP	JOINT POLE	SHT.	SHEET
CTV	CABLE TV	L=	LENGTH EQUALS	SS	SANITARY SEWER
CR LT.	CURVE RETURN LEFT	LF	LINEAR FEET	SS SVC	SANITARY SEWER SERVICE
CS	COMBINED SEWER	LT. or L	LEFT	STA.	STATION
CSSS	CITY OF SACRAMENTO STANDARD SPECIFICATIONS	MFG.	MANUFACTURER	STD.	STANDARD
CSMH	COMBINATION SEWER MH	MH	MANHOLE	T or TEL	TELEPHONE
D.B.	DITCH BOX	MB	MAIL BOX	TOB	TOP OF BANK
DI	DROP INLET	MAX., MIN.	MAXIMUM, MINIMUM	TYP.	TYPICAL
DRWY	DRIVEWAY	No.	NUMBER	W	WALKWAY
DWG	DRAWING	N.T.S.	NOT TO SCALE	WKWY	WALKWAY
EC	END CURVE	PB	PULL BOX	WV	WATER VALVE
				< or AP	ANGLE POINT

REVISIONS				
NO.	DESCRIPTION	DATE	BY	
1	SHT. A-1 ADDED FOR H ST. AND TOTAL SHTS CHG.	10-27-15	CY	

BENCH MARK	ELEV.	FIELD BOOK
DESCRIPTION:		
SEE PROJECT SHEETS		

SCALE:
H: N/A
V: N/A

CITY OF SACRAMENTO
DEPARTMENT OF UTILITIES

DESIGNED BY: S.S. WILLIAMS
DATE: 9-28-15

CHECKED BY: B. GRANT
DATE: 9-28-15

DRAWN BY: C. YEE
DATE: 9-28-15

R.C.E. NO. 31326
DATE: 9-28-15

R.C.E. NO. C58964
DATE: 9-28-15



IMPROVEMENT PLANS FOR:
56th STREET & GROVE/LAMPASAS AVE.
SEWER REPLACEMENT PROJECTS
COVER SHEET

DWC. NO. **G-1**
SHEET **1** OF **78**

CITY OF SACRAMENTO IMPROVEMENT PLANS FOR 56th STREET SEWER REPLACEMENT H STREET TO J STREET GROVE/LAMPASAS AVE. SEWER REPLACEMENT BAY DRIVE DITCH TO NORWOOD AVE.

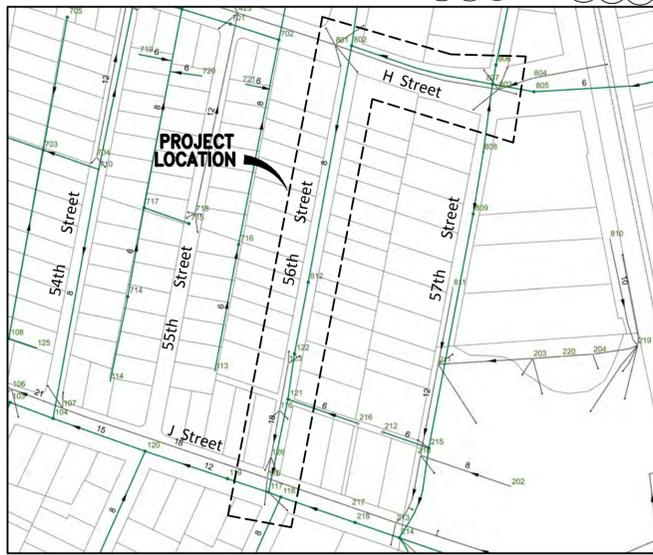
APPROVED BY: Brett C. Grant **9/28/15**
BRETT C. GRANT R.C.E. 58964 DATE
SUPERVISING ENGINEER
DEPARTMENT OF UTILITIES

APPROVED BY: Michelle J. Carrey **9/28/15**
MICHELLE J. CARREY R.C.E. 58722 DATE
SUPERVISING ENGINEER
DEPARTMENT OF UTILITIES

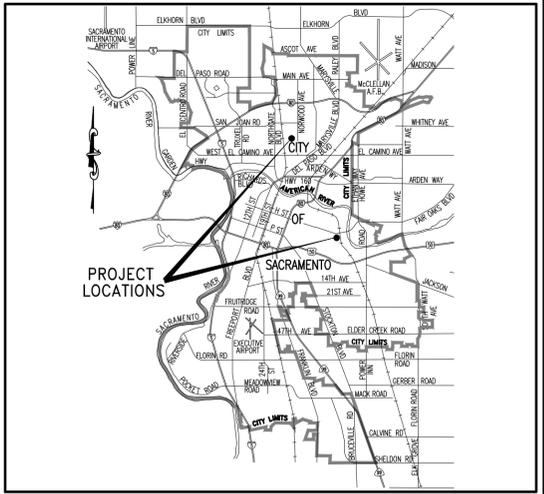
APPROVED BY: Jim Boyd **29 Sept 15**
JIM BOYD DATE
INTERIM SEWER SUPERINTENDENT
DEPARTMENT OF UTILITIES

INDEX OF SHEETS

- G-1 COVER SHEET
- C-1 56th STREET PLAN AND PROFILE - STA. 0+00 TO 5+25
- C-2 56th STREET PLAN AND PROFILE - STA. 5+25 TO 10+65
- C-3 GROVE/LAMPASAS AVE. PLAN AND PROFILE - STA. 0+50 TO 5+25
- C-4 GROVE/LAMPASAS AVE. PLAN AND PROFILE - STA. 5+25 TO 10+50
- C-5 GROVE/LAMPASAS PLAN AND PROFILE - STA. 10+50 TO 13+50
- W-1 56th STREET WATER PLAN
- A-1 H STREET PLAN AND PROFILE - STA. 0+00 TO 4+50



LOCATION MAPS



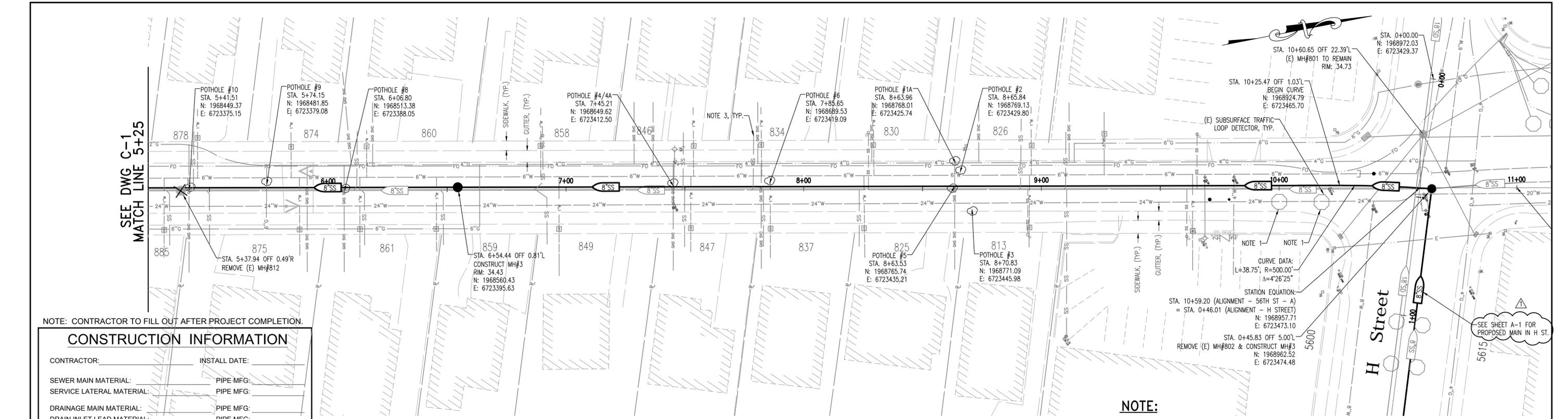
VICINITY MAP

LEGEND

EXISTING	PROPOSED
NO. 22 DRAIN INLET	NO. 22 DRAIN INLET
TYPE B DROP INLET	TYPE B DROP INLET
MANHOLE	MANHOLE
COMBINED SEWER MAIN	COMBINED SEWER MAIN
SANITARY SEWER MAIN	SANITARY SEWER MAIN
STORM DRAINAGE MAIN	STORM DRAINAGE MAIN
SEWER SERVICE W/CLEANOUT	SEWER SERVICE W/CLEANOUT
WATER MAIN	WATER MAIN
WATER MAIN W/BLOW-OFF	WATER MAIN W/BLOW-OFF
WATER MAIN W/AIR RELEASE VALVE	WATER MAIN W/AIR RELEASE VALVE
WATER MAIN W/GATE VALVE	WATER MAIN W/GATE VALVE
WATER MAIN W/BUTTERFLY VALVE	WATER MAIN W/BUTTERFLY VALVE
STANDARD FIRE HYDRANT	STANDARD FIRE HYDRANT
WHARF FIRE HYDRANT	WHARF FIRE HYDRANT
WATER SERVICE & METER BOX	WATER SERVICE & METER BOX
WATER SERVICE & CURB STOP	WATER SERVICE & CURB STOP
WATER SERVICE & CORP STOP	WATER SERVICE & CORP STOP
BACKFLOW PREVENTER	BACKFLOW PREVENTER
CURB, GUTTER & SIDEWALK	CURB, GUTTER & SIDEWALK
CENTER LINE	CENTER LINE
RIGHT-OF-WAY	RIGHT-OF-WAY
GAS MAIN & GAS VALVE	GAS MAIN & GAS VALVE
ELECTRICAL CONDUIT	ELECTRICAL CONDUIT
POWER POLE W/GUY WIRE	POWER POLE W/GUY WIRE
TELEPHONE CONDUIT	TELEPHONE CONDUIT
CABLE BOX/POD	CABLE BOX/POD
STREET LIGHT	STREET LIGHT
ELEVATION	ELEVATION
FENCE	FENCE
BENCH MARK	BENCH MARK
SIGN	SIGN
BOLLARD GATE POST OR POST	BOLLARD GATE POST OR POST
ADDRESS	ADDRESS
PLUG OR CAP	PLUG OR CAP
PIPE TO ABANDON	PIPE TO ABANDON
PIPE TO REMOVE	PIPE TO REMOVE
BUILDING	BUILDING
RAILROAD	RAILROAD
TREE OR BUSH	TREE OR BUSH

PN: X14130601/3

PN: X14130603 - 56TH ST & GROVE/LAMPASAS AVE. SEWER REPLACEMENT PROJECTS



NOTE: CONTRACTOR TO FILL OUT AFTER PROJECT COMPLETION.

CONSTRUCTION INFORMATION

CONTRACTOR: _____ INSTALL DATE: _____

SEWER MAIN MATERIAL: _____ PIPE MFG: _____

SERVICE LATERAL MATERIAL: _____ PIPE MFG: _____

DRAINAGE MAIN MATERIAL: _____ PIPE MFG: _____

DRAIN INLET LEAD MATERIAL: _____ PIPE MFG: _____

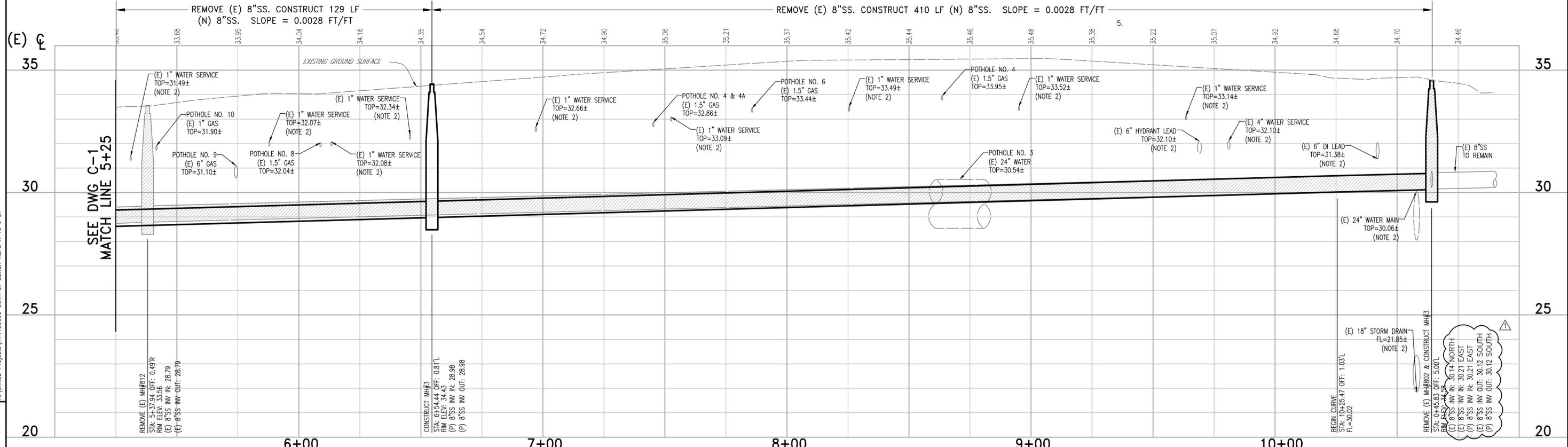
SEWER LATERAL LOCATIONS SUBMITTED

INFORMATION APPROVED BY (CONTR): _____

INFORMATION ACCEPTED BY (CITY): _____

56TH STREET

- NOTE:**
- (E) SUBSURFACE TRAFFIC LOOP DETECTOR.
 - FIELD VERIFY ALL CROSSING UTILITY INVERT ELEVATIONS. ONLY A LIMITED NUMBER OF PRE-BID POTHOLES WERE EXCAVATED. NON-POTHOLED ELEVATIONS SHOWN ARE ESTIMATED.
 - SEE NOTE 8 ON DWG. C-1, TYP.



PN: X14130603
 X14130603 56th STREET SEWER REPLACEMENT H TO J STREET
 R:\Civil3D Projects\X14130603 56TH ST SEWER REPL H TO J ST

PN: X14130603 56TH ST & GROVE/LAMPASAS AVE. SEWER REPLACEMENT PROJECTS

REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	SHEET A-1 ADDED - REPLACEMENT OF (E) 8" SEWER MAIN IN H STREET ADDED.	10-27-15	CY

BENCH MARK ELEV. 33.743
 DESCRIPTION: 298-ASC
 HILTI NAIL LIGHT BASE EAST SIDE ELVAS AVENUE AT G STREET. CENTERLINE AND ON RAMP OF J STREET OVERPASS.

FIELD BOOK
 1467

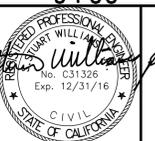
SCALE:
 H: 1"=20'
 V: 1"=2'

ON ORIGINAL SCALE DRAWING ADJUST SCALED DIMENSIONS IF THIS DOES NOT SCALE AT 1"

CITY OF SACRAMENTO
DEPARTMENT OF UTILITIES

DESIGNED BY: S.S. WILLIAMS
 CHECKED BY: B. GRANT

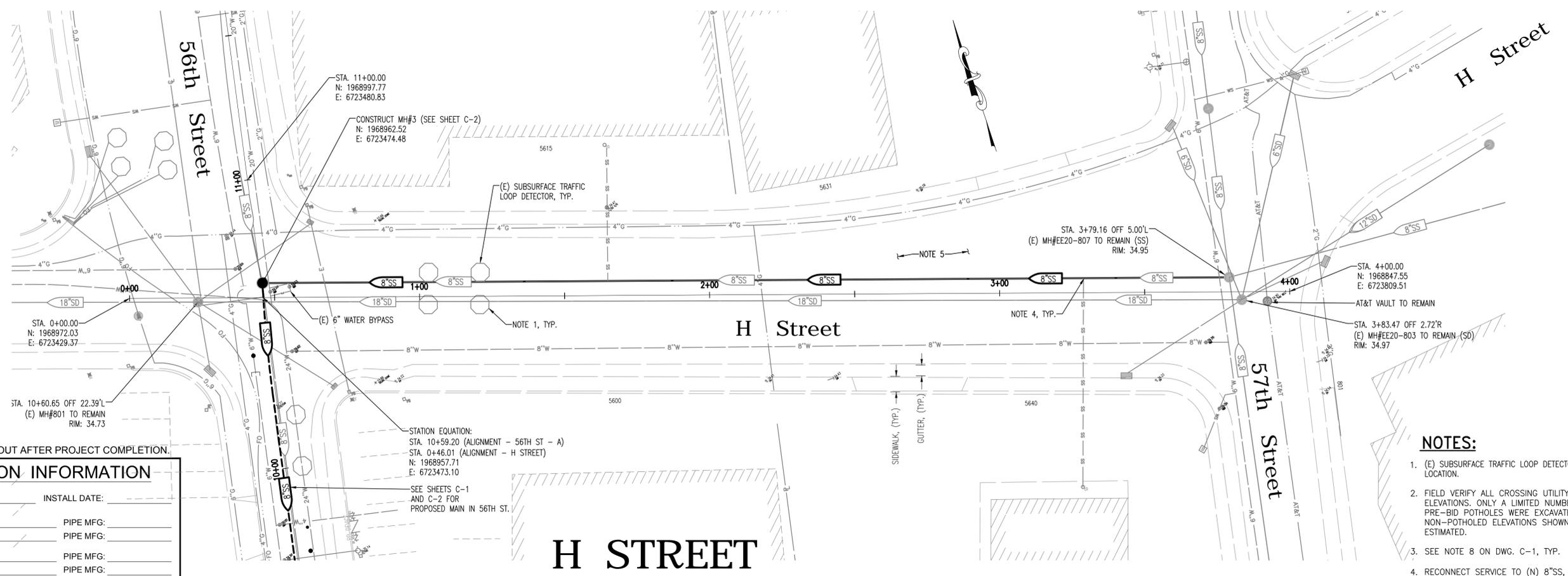
DATE: 9-29-15
 R.C.E. NO. 31326
 DATE: 9-29-15
 R.C.E. NO. C58964
 DATE: 9-29-15



IMPROVEMENT PLANS FOR:
56th STREET & GROVE/LAMPASAS AVE.
SEWER REPLACEMENT PROJECTS
56th ST. PLAN & PROFILE STA. 5+25 TO 10+65

DWG. NO. C-2
 SHEET 3 OF 8
 PN: X14130603

PN: X14130603
 X14130603 56th STREET SEWER REPLACEMENT H TO J STREET
 R:\Civil3D Projects\X14130603 56TH ST SEWER REPL H TO J ST



NOTE: CONTRACTOR TO FILL OUT AFTER PROJECT COMPLETION.

CONSTRUCTION INFORMATION

CONTRACTOR: _____ INSTALL DATE: _____

SEWER MAIN MATERIAL: _____ PIPE MFG: _____

SERVICE LATERAL MATERIAL: _____ PIPE MFG: _____

DRAINAGE MAIN MATERIAL: _____ PIPE MFG: _____

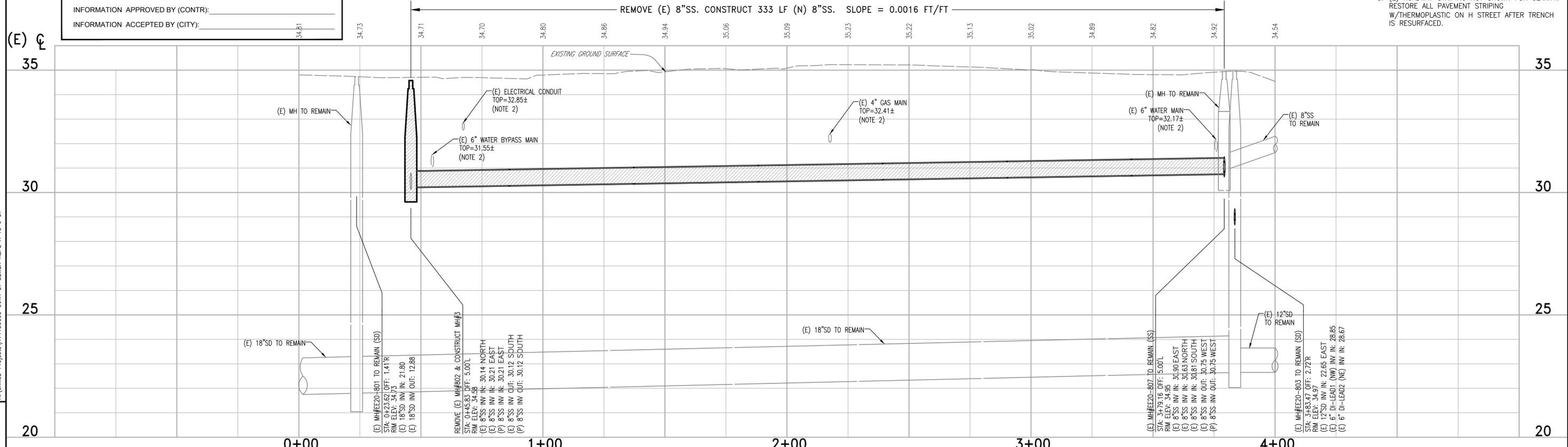
DRAIN INLET LEAD MATERIAL: _____ PIPE MFG: _____

SEWER LATERAL LOCATIONS SUBMITTED

INFORMATION APPROVED BY (CONTR): _____

INFORMATION ACCEPTED BY (CITY): _____

- NOTES:**
- (E) SUBSURFACE TRAFFIC LOOP DETECTOR, APPROX. LOCATION.
 - FIELD VERIFY ALL CROSSING UTILITY INVERT ELEVATIONS. ONLY A LIMITED NUMBER OF PRE-BID POTHOLES WERE EXCAVATED. NON-POTHOLED ELEVATIONS SHOWN ARE ESTIMATED.
 - SEE NOTE 8 ON DWG. C-1, TYP.
 - RECONNECT SERVICE TO (N) 8"SS, TYP.
 - (E) ROADWAY STRIPING NOT SHOWN FOR CLARITY. RESTORE ALL PAVEMENT STRIPING W/THERMOPLASTIC ON H STREET AFTER TRENCH IS RESURFACED.



REVISIONS	BENCH MARK	FIELD BOOK	1"	CITY OF SACRAMENTO	DEPARTMENT OF UTILITIES	IMPROVEMENT PLANS FOR: 56th STREET & GROVE/LAMPASAS AVE.	DWG. NO. A-1
NO. DESCRIPTION DATE BY	DESCRIPTION: 298-ASC ELEV. 33.743 HILTI NAIL LIGHT BASE EAST SIDE ELVAS AVENUE AT G STREET. CENTERLINE AND ON RAMP OF J STREET OVERPASS.	1467 SCALE: H: 1"=20' V: 1"=2'	ON ORIGINAL SCALE DRAWING ADJUST SCALED DIMENSIONS IF THIS DOES NOT SCALE AT 1"	DRAWN BY: C. YEE DATE: 10-27-15	DESIGNED BY: S.S. WILLIAMS R.C.E. NO. 31326 DATE: 10-27-15	CHECKED BY: B. GRANT R.C.E. NO. C58964 DATE: 10-27-15	SHEET 8 OF 8
GIS GRID NO. W17-16-EE20.FF20 PN: X14130603 STATE OF CALIFORNIA CIVIL ENGINEER S.S. WILLIAMS No. C31326 Exp. 12/31/16							56th STREET & GROVE/LAMPASAS AVE. SEWER REPLACEMENT PROJECTS H ST. PLAN & PROFILE STA. 0+00 TO 4+50

PN: X14130603 56TH ST & GROVE/LAMPASAS AVE. SEWER REPLACEMENT PROJECTS

NEW PUBLIC WORKS CONTRACTOR REGISTRATION LAW [SB 854]

FACT SHEET

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

Essentials of public works contractor registration program:

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

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

Essentials of Public Works Enforcement Fund:

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

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

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

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

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

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 City Procurement at (916) 808-6240, or visit the City of Sacramento's web site at: <http://www.cityofsacramento.org/Economic-Development/Grow-Here/Small-Business/LBE>

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

Contractor's Name: T+S Construction Co., Inc.
 (Please print)

CITY OF SACRAMENTO
 SEALED PROPOSAL

Sealed Proposals will be received not later than 2:00 PM on **November 4, 2015**, at the Office of the City Clerk, New City Hall, at 915 I Street, 5th Floor, Public Counter, Sacramento, California 95814, and will be opened as soon thereafter as business allows. PROPOSALS MUST BE SIGNED BY BIDDERS IN ORDER TO BE RESPONSIVE.

TO THE HONORABLE CITY COUNCIL:

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

56TH STREET & GROVE/LAMPASAS AVE. SEWER REPLACEMENTS
(PN: X14130601 & X14130603) (B16141321008)

in the City and County of Sacramento, California.

TOTAL BID: Nine hundred seventy two thousand six hundred eighty one dollars and zero cents (972,681⁰⁰)
~~Nine hundred eighty one thousand eight hundred sixty one~~ (~~801,861⁰⁰~~)
ATS dollars and zero cents

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	Preconstruction Photographs	1	LS	\$ <u>2,831⁰⁰</u>	\$ <u>2,831⁰⁰</u>
2	Mobilization	1	LS	\$ <u>44,693⁰⁰</u>	\$ <u>44,693</u>
3	Potholes	15	EA	\$ <u>539⁰⁰</u>	\$ <u>8,085⁰⁰</u>
4	15-Inch Sewer Pipe	482	LF	\$ <u>192⁰⁰</u>	\$ <u>92,544⁰⁰</u>
5	10-Inch Sewer Pipe	694	LF	\$ <u>149⁰⁰</u>	\$ <u>103,406⁰⁰</u>
6	8-Inch Sewer Pipe	1,380	LF	\$ <u>195⁰⁰</u>	\$ <u>269,100⁰⁰</u>
7	Manhole #3	4	EA	\$ <u>10,968⁰⁰</u>	\$ <u>43,872⁰⁰</u>
8	Manhole #3A	3	EA	\$ <u>8,764⁰⁰</u>	\$ <u>26,292⁰⁰</u>
9	Inside Drop Connection	3	EA	\$ <u>1,313⁰⁰</u>	\$ <u>3,939⁰⁰</u>
10	Substandard Sewer Service	70	EA	\$ <u>1,636⁰⁰</u>	\$ <u>114,520⁰⁰</u>
11	Sewer Pipe Ends to Plug	10	EA	\$ <u>78⁰⁰</u>	\$ <u>780⁰⁰</u>
12	Unsuitable Material	35	TON	\$ <u>61⁰⁰</u>	\$ <u>2,135⁰⁰</u>
13	Unmarked Utility Crossings	20	EA	\$ <u>405⁰⁰</u>	\$ <u>8,100⁰⁰</u>
14	Service Lateral Trench Hand Excavation	350	LF	\$ <u>24⁰⁰</u>	\$ <u>8,400⁰⁰</u>
15	8-inch Water Main	990	LF	\$ <u>129⁰⁰</u>	\$ <u>127,710⁰⁰</u>
16	4-inch Water Service to Transfer	1	EA	\$ <u>3,180⁰⁰</u>	\$ <u>3,180⁰⁰</u>
17	Fire Hydrant Lead to Transfer	2	EA	\$ <u>2,999⁰⁰</u>	\$ <u>5,998⁰⁰</u>
18	Replacement Fire Hydrant	1	EA	\$ <u>5,896⁰⁰</u>	\$ <u>5,896⁰⁰</u>
19	4-inch Diameter Gate Valve	1	EA	\$ <u>997⁰⁰</u>	\$ <u>997⁰⁰</u>

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 receipt of the City's notice that the undersigned will be recommended for Contract award. The undersigned further agrees to begin work within fifteen (15) days after receipt of the Notice to Proceed is issued by the City.

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. 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.

BID DEPOSIT ENCLOSED IN THE FOLLOWING FORM:

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

CERTIFIED CHECK

MONEY ORDER

CASHIERS'S CHECK

BID BOND

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

Mark which, if any addendum have been issued and received: #1; #2; #3; #4; #5.

Addendum #1, Received 10/21/15 - Addendum #2 Received 10/21/15

Under penalty of perjury, I certify that the Taxpayer ID Number and all other information provided here are correct.

CONTRACTOR: T & S Construction Co., Inc.

By: *Chris T. Smith*
(Signature)

Title: Vice President

Address: 6108 Hedge Avenue, Sacramento, CA. 95829

Physical Address ONLY. No PO Box

Sacramento, CA 95829
City STATE ZIP Code

Telephone No.: (916) 381-3052

Fax No.: (916) 387-1861

Email: arttsconstruction@hughes.net

Federal Tax ID # or Social Security #: 88-0118410

Contractor's License No. 301528, Classification A, Expiration date 4/30/17 is held by the bidder.

City of SACRAMENTO

Subcontractor Verification Form For Public Projects under \$100,000 THIS FORM MUST BE SUBMITTED WITH THE SEALED BID PROPOSAL

To be eligible for award of this contract, the bidder shall list all subcontractors who perform work, labor, or render service 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/supplies listed. The inclusion of false information or the omission of required information will render the bid non-responsive.

Prime Contractor Name	T4S Construction Co. Inc.
Prime Contractor Address	6108 Hedge Avenue SACRAMENTO CALIFORNIA 95829
(REQUIRED) Prime Contractor DIR Registration #	10000009172

Date	11/4/2015
Bid Amount	\$ 900,000 972,881 ⁰⁰ ATS

Business Name	Subcontractor DIR Registration # (subject to verification)	Type of Work, Services, or Supplies to be provided to complete contract	Estimated Dollar Value of Work, Services or Supplies to be Performed or Provided
Martin Brothers Construction Address: 8801 Folsom Blvd STE. 260 Sacto CA 95826 Contact Person: Alex Emerson Telephone: (916) 381-0911 Email: aemerson@martinbrothers.net	1000000017	Overlay	\$ 51,975 ⁰⁰
Chrisp Company Address: 1805 East Banner Rd., Woodland CA 95716 Contact Person: Benjamin Chafey Telephone: (510) 719-6452 Email: bchafey@chrispco.com	1000000306	Striping	\$ 11,525 ⁰⁰
Business Name: Address: Contact Person: Telephone: Email:	Subcontractor DIR Registration # (subject to verification)	Type of Work, Services, or Supplies to be provided to complete contract	Estimated Dollar Value of Work, Services or Supplies to be Performed or Provided
			\$

COPY AND ATTACH ADDITIONAL SHEETS AS NECESSARY

I hereby certify that each subcontractor listed on this Subcontractor and LBE Participation Verification Form has been notified that it has been listed and has consented in writing to its name being submitted for this contract. Additionally, I certify that I shall notify each business entity listed on this Form, in writing, if the award is granted to my firm, and I shall make all documentation relevant to subcontractor and LBE participation available to the City of Sacramento upon request. I further certify that all information contained in this Form is true and correct and I acknowledge that the City will rely on the truth of the information in awarding the contract.

PRINCIPAL OF FIRM:

<i>Chris T. Smith</i>	VICE PRESIDENT	11/4/15
Signature	Title	Date

Form Revised
3/9/15

City of SACRAMENTO

Subcontractor Verification Form For Public Projects under \$100,000

THIS FORM MUST BE SUBMITTED WITH THE SEALED BID PROPOSAL.

To be eligible for award of this contract, the bidder shall list all subcontractors who perform work, labor, or render service 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/supplies listed. The inclusion of false information or the omission of required information will render the bid non-responsive.

Prime Contractor Name	T & S Construction Co., Inc.
Prime Contractor Address	6108 Hedge Avenue Sacramento, California 95829
(REQUIRED) Prime Contractor DIR Registration #	1000000972

Date	11/4/2015
Bid Amount	\$ 972,681 ⁰⁰

Business Name	Subcontractor DIR Registration # (subject to verification)	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
Address			\$
Contact Person			
Telephone			
Email			
Business Name	Subcontractor DIR Registration # (subject to verification)	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
Address			\$
Contact Person			
Telephone			
Email			
Business Name	Subcontractor DIR Registration # (subject to verification)	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
Address			\$
Contact Person			
Telephone			
Email			

COPY AND ATTACH ADDITIONAL SHEETS AS NECESSARY

I hereby certify that each subcontractor listed on this Subcontractor and LBE Participation Verification Form has been notified that it has been listed and has consented in writing to its name being submitted for this contract. Additionally, I certify that I shall notify each business entity listed on this Form, in writing, if the award is granted to my firm, and I shall make all documentation relevant to subcontractor and LBE participation available to the City of Sacramento upon request. I further certify that all information contained in this Form is true and correct and I acknowledge that the City will rely on the truth of the information in awarding the contract.

PRINCIPAL OF FIRM:

	Vice President	11/4/15
Signature	Title	Date

Form Revised
3/9/15

DRUG-FREE WORKPLACE POLICY AND AFFIDAVIT

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

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

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

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

EXCEPTION: "NONE"

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

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

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

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

CONTRACTOR'S NAME: T & S Construction Co., Inc.

BY: Arthur T. Spinella Vice President 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.

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.

NOTE: For Questions 6 thru 8, and Questions 10 thru 14, 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 these questions.

1. Classification & Expiration Date(s) of California Contractor's License Number(s) held by firm:
T & S Construction Co., Inc. - 301528 "A" -expires 4/30/17
2. Has a contractor's license held by your firm and/or any owner, officer or partner of your firm been revoked at any time 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?
 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?
 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?
 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?
 Yes No

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

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

Yes No

OR

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

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

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

Yes No

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

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?

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?

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?

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?

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 6108 Hedge Avenue, Sac, CA, on 11/4/2015.
(Location) (Date)

Signature: 

Print name: Arthur T. Spinella

Title: Vice President

NOTE: If two or more entities submit a bid on a contract as a Joint Venture, each entity in 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 directly 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."

Attachment A
DECLARATION OF COMPLIANCE
Equal Benefits Ordinance

T & S Construction Co., Inc.

Name of Contractor

6108 Hedge Avenue, Sacramento, Ca 95829

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.

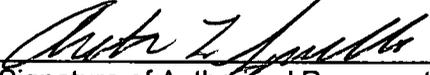
Unless otherwise authorized in writing by the City Manager, I understand this cash equivalent must begin at the time the union(s) refuse to allow the collective bargaining agreement(s) to be reopened or no longer than three (3) months from the date the Contract is executed with the City.

- 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

Arthur T. Spinella

 Print Name

Vice President

 Title

11/4/2015

 Date



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

On 11/4/2015 (date), your employer (the "Employer") entered into a contract with the City of Sacramento (the "City") for Lampasas Ave. Sewer Replacements (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 . . .

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

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



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

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

The included employee benefits are:

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

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

You May . . .

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

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

Discrimination and Retaliation Prohibited.

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

You May Also . . .

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

KNOW ALL MEN BY THESE PRESENTS,

That we, T & S Construction Co., Inc.

as Principal, and Travelers Casualty and Surety Company of America

a corporation duly organized under the laws of the State of Connecticut 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 total amount bid in the Proposal by 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 **October 28, 2015**, for the Work specifically described as follows:

56TH STREET & GROVE/LAMPASAS AVE. SEWER REPLACEMENTS
(PN: X14130601 & X14130603) (B16141321008)

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 15th day of October, 2015.

T & S Construction Co., Inc.

PRINCIPAL Seal

By Arthur T. Spinella
ARTHUR T. SPINELLA
VICE PRESIDENT
Title

Travelers Casualty and Surety Company of America

SURETY Seal

By Jana B. Pilgard
Jana B. Pilgard, Attorney in Fact

Title
Buschmann, Buschmann & Laux Surety Insurance Services LLC
Agent Name and Address

300 Harding Blvd., Suite 209, Roseville, CA 95678

Joel Buschmann 916-782-6637

Agent Phone #
Art Oliver 916-852-5267

Surety Phone #

BB&L CA License #0G13571
California License #

X14130601 & X14130603

Bid Bond, Page 1 of 1

(B16141321008)

ACKNOWLEDGMENT

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

State of California
County of Placer

On October 15, 2015 before me, Kathy Rangel, Notary Public
(insert name and title of the officer)

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

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

WITNESS my hand and official seal.



Signature Kathy Rangel (Seal)



POWER OF ATTORNEY

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

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

Attorney-In Fact No. 224023

Certificate No. 005815162

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

Robert D. Laux, Joel J. Buschmann, Dona Lisa Buschmann, Jana B. Pilgard, and Kathy Rangel

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

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 27th day of February, 2014.

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

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



State of Connecticut
City of Hartford ss.

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

On this the 27th day of February, 2014, before me personally appeared Robert L. Raney, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

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



[Signature]
Marie C. Tetreault, Notary Public

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

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

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

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

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

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

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 15th day of October, 20 15.

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

Kevin E. Hughes
Kevin E. Hughes, Assistant Secretary



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

LOCAL BUSINESS ENTERPRISE (LBE) PARTICIPATION REQUIREMENTS

(For City Contracts without federal funds)

I. LBE PARTICIPATION REQUIREMENT

On April 3, 2012, the Sacramento City Council adopted a Local Business Enterprise (LBE) Preference Program to provide enhanced opportunities for the participation of LBEs in the City’s contracting and procurement activities. On November 19, 2013, City Council increased the LBE preference percentage from 2% to 5% and authorized City departments to require minimum LBE participation levels in specific contracts. Under City Code section 3.60.270, when the bid specifications for a City contract establish a minimum participation level for LBEs, no bidder on the contract shall be considered responsive unless its bid meets the minimum LBE participation level required by the bid specifications.

The City has established a **minimum 5% participation level for LBEs on certain contracts of \$100,000 or more as illustrated below.**

When Does the LBE Program Apply?

	Contracts Under \$100,000			Contracts \$100,000 or More			
	Supplies / Non-Professional	Professional	Public Projects	Supplies	Non-Professional	Professional	Public Projects
5% LBE Preference Applies to Bid Evaluation?	Yes	Yes	Yes	No	No	Yes	No
5% Minimum Participation Requirement? *	No	No	No	No	Yes	Yes	Yes

* Requirement may be waived by the City Manager or the City Manager’s designee (e.g. Department Directors)

II. LBE QUALIFICATION

- A. To meet the LBE participation requirement, bidders must meet the requirements for an LBE prior to the deadline for submission of bids.
- B. Local Business Enterprise means a business enterprise, including but not limited to, a sole proprietorship, partnership, limited liability company, corporation, or other business entity that has a legitimate business presence in the City or unincorporated areas of Sacramento County. Proof of legitimate business presence in the City or unincorporated areas of Sacramento County shall include:
 1. Be an established business entity operating in the City or unincorporated County of Sacramento for at least twelve (12) consecutive months prior to submission of bid; and

2. Having either :

- a. a principal business office or workspace; or
- b. regional, branch, or satellite office with at least one full-time employee located and operating legally in the city or unincorporated county of Sacramento.

III. LBE PARTICIPATION LEVEL REQUIREMENTS

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

IV. LBE REQUIREMENTS FOR CONTRACTOR

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

No later than 30 days after completion of the work performed under the contract, a summary of these records shall be prepared, certified correct by the Contractor's authorized representative and furnished to the City. The Contractor shall provide such other information, records, reports, certifications or other documents as may be required by the City, to determine compliance with any provision of the LBE program or these specifications.

- B. Performance of LBE Subcontractors and Suppliers: The LBEs listed by the Contractor shall perform the work and supply the materials or equipment for which they are listed, unless the Contractor has received prior written authorization from the City to perform the work with other forces or to obtain the materials or equipment from other sources. Reasons for requesting such authorization would include:

1. The listed LBE fails to execute a written contract based upon the general terms, conditions, plans, and specifications for the project.
 2. The listed LBE becomes bankrupt or insolvent.
 3. The listed LBE subcontractor fails to meet the bond requirements of the Contractor.
 4. The work performed or the materials or equipment provided by the listed LBE are unsatisfactory or are not in accordance with the plans and specifications, or the listed LBE fails to perform its contractual obligations.
 5. It would be in the best interest of the City.
- C. Subcontractor Substitution: No substitution of an LBE subcontractor shall be made at any time without compliance with the Subletting and Subcontracting Fair Practices Act. If an LBE subcontractor is unable to perform successfully and is to be replaced, the Contractor shall make reasonable efforts to replace the original LBE subcontractor with another verified LBE subcontractor. The new LBE subcontractor must be verified at the time of substitution.
- D. Reporting and Utilization Requirements and Sanctions: Failure to provide specific information, records, reports, certifications, or any other documents required for compliance with these specifications, or failure to utilize one or more LBEs in substantial compliance with the LBE utilization indicated in the Contractor's bid (unless otherwise authorized by the City as provided herein, or when such failure results from changes to the work approved by the City), shall be considered a breach of the contract. A deduction may be made from the contract amount and the deduction shall be not more than 10% of the value of the work or materials or equipment that the subject LBE(s) were listed to perform or provide in the Contractor's bid, and shall also be deducted from any payment due to the Contractor. This is in addition to any deduction that may be made under any other provision of the contract, the Sacramento City Code, or State law.
- E. Hearing and Review of Division Manager Decision: Prior to making a deduction pursuant to Section IV (D), above, the City shall provide written notice of the proposed deduction to the Contractor. The Contractor may, no later than five working days after receiving such notice, provide a written request to the City for a hearing to contest the proposed deduction. Upon receipt of a timely written request from the Contractor, the City shall schedule a hearing before the Division Manager (as defined in the City's Standard Specifications for Public Construction), and written notice of the date, time and location of the hearing shall be provided to the Contractor not less than five working days prior to the date of the hearing. The hearing shall be conducted in the manner specified in Section 4-8 of the Standard Specifications, and the Division Manager shall prepare and forward to the Contractor a written decision as soon as practicable after the hearing. The Division Manager's decision shall be subject to review in accordance with the provisions of Section 4-9 of the Standard Specifications. Failure to request such review in compliance with the requirements set forth in Section 4-9 shall constitute acceptance of the Division Manager's decision by the Contractor.

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

V. DEFINITIONS

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

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.

Bidder

BY: _____

Title: _____

Address: _____

Date: _____

PLEASE READ CAREFULLY BEFORE SIGNING

To be signed by authorized corporate officer or partner or individual submitting the bid.

For example, if bidder is: (see below)

1. An individual using a firm name, sign: "John Doe, an 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 _____, 20__, is made and entered into between the CITY OF SACRAMENTO, a municipal corporation (“City”), and _____ (“Contractor”).

The City and Contractor hereby mutually agree as follows:

1. **CONTRACT DOCUMENTS**

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

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

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

2. **DEFINITIONS**

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

3. **AGREEMENT CONTROLS**

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

4. **SCOPE OF CONTRACT**

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

56TH STREET & GROVE/LAMPASAS AVE. SEWER REPLACEMENTS (PN: X14130601 & X14130603)

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

5. CONTRACT AMOUNT AND PAYMENTS

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

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

6. PROGRESS PAYMENTS

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

- A. On or about the first of the month, the Engineer shall present to the Contractor a statement showing the amount of labor and materials incorporated in the Work through the twentieth (20) calendar day of the preceding month. After both Contractor and Engineer approve the statement in writing, and the City's labor compliance officer provides written approval, the City shall issue a certificate for ninety-five (95) percent of the amount it shall find to be due, subject to any deductions or withholdings authorized or required under the Contract or any applicable Laws or Regulations.
- B. No inaccuracy or error in said monthly estimates shall operate to release Contractor from damages arising from such Work or from enforcement of each and every provision of the Contract Documents, and City shall have the right subsequently to correct any error made in any estimate for payment.
- C. Contractor shall not be paid for any defective or improper Work.
- D. The remaining five (5) percent of the value of the Work performed under the Contract, if unencumbered and subject to any deductions or withholdings authorized or required under the Contract or any applicable Laws or Regulations, shall be released not later than sixty (60) days after completion and final acceptance of the Work by City. Acceptance by Contractor of the final payment shall constitute a waiver of all claims against the City arising under the Contract Documents, except for disputed claims in stated amounts that the Contractor specifically reserves in writing, but only to the extent that the Contractor has complied with all procedures and requirements applicable to the presentation and processing of such claim(s) under the Contract Documents. Contractor shall be entitled to substitute securities for retention or to direct that payments of retention be made into escrow, as provided in Public Contract Code Section 22300, upon execution of the City's Escrow Agreement for Security Deposits in Lieu of Retention.
- E. The parties agree that, for purposes of the timely progress payment requirements specified in Public Contract Code Section 20104.50, the date that the City receives a statement jointly approved by the Contractor and the Engineer as provided above shall be deemed to constitute the date that City receives an undisputed and properly submitted payment request from the Contractor. Progress payments not made within 30 days after this date may be subject to payment of interest as provided in Public Contract Code Section 20104.50.
- F. This Contract is subject to compliance monitoring and enforcement by the California Department of Industrial Relations, as specified in California Labor Code section 1771.4.

7. RETENTION OF SUMS CHARGED AGAINST CONTRACTOR

When, under the provisions of this Contract or any applicable Laws or Regulations, City is authorized or required to withhold, deduct or charge any sum of money against Contractor, City may deduct and retain the amount of

such charge from the amount of the next succeeding progress estimate(s), or from any other moneys due or that may become due Contractor from City. If, on completion or termination of the Contract, sums due Contractor are insufficient to pay City's charges, City shall have the right to recover the balance from Contractor or its Sureties.

8. COMMENCEMENT AND PROSECUTION OF WORK

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

9. TIME OF COMPLETION

The entire Work shall be brought to completion in the manner provided for in the Contract Documents on or before **seventy (70) 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 **seven hundred dollars (\$700.00)** 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.

- 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 _____

BY _____

Print Name

Title

BY _____

Print Name

Title

Federal ID#

State ID#

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

Type of Business Entity (*check one*):

- _____ Individual/Sole Proprietor
- _____ Partnership
- _____ Corporation
- _____ Limited Liability Company
- _____ Other (*please specify:* _____)

CITY OF SACRAMENTO
a municipal corporation

DATE _____

BY _____

For: John F. Shirey, City Manager

Original Approved As To Form:

Attest:

City Attorney

City Clerk Date

CITY OF SACRAMENTO
PERFORMANCE BOND
Department of Utilities

Bond #: _____
Premium: _____

WHEREAS, the City of Sacramento, in the State of California, hereinafter called City has conditionally awarded to *(here insert full name and address of Contractor)*:

as principal, hereinafter called Contractor, an agreement for construction of:

56TH STREET & GROVE/LAMPASAS AVE. SEWER REPLACEMENTS
(PN: X14130601 & X14130603) (B16141321008)

in accordance with the plans, specifications, drawings, conditions, and project manual prepared therefore, which agreement is by reference made a part hereof, 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)*:

_____, 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 _____ DOLLARS \$ _____), 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 this obligation shall be null and void; otherwise shall be and remain in full force and effect. This obligation shall remain in full force and effect until (1) the date that the Contractor no longer has any remaining obligation of performance under the Contract, or (2) the date that is one year after the date that the work to be performed under the Contract is accepted as complete by the City, whichever occurs later.

As part of the obligation 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 obligation, all to be taxed as costs and included in any judgement 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 _____, 2015.

(Contractor) (Seal)

By _____

Title _____

ORIGINAL APPROVED AS TO FORM:

City Attorney

(Surety) (Seal)

By _____

Title _____

Agent Name and Address _____

Agent Phone # _____

Surety Phone # _____

California License # _____

Surety Email: _____

CITY OF SACRAMENTO
PAYMENT BOND
Department of Utilities

Bond No: _____
Premium: _____

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

hereinafter called Contractor, a contract for construction of:

56TH STREET & GROVE/LAMPASAS AVE. SEWER REPLACEMENTS
(PN: X14130601 & X14130603) (B16141321008)

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 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 _____ DOLLARS (\$_____), 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 _____ 2015.

(Contractor) (Seal)
By _____
Title _____

(Surety) (Seal)
By _____
Title _____

ORIGINAL APPROVED AS TO FORM:

City Attorney

Agent Name and Address _____
Agent Phone # _____
Surety Phone # _____
California License # _____
Surety Email: _____

CALIFORNIA LABOR CODES RELATING TO APPRENTICES ON PUBLIC WORKS
PROJECTS

See info at these webpages: www.dir.ca.gov and/or www.leginfo.ca.gov

Request for Taxpayer Identification Number and Certification

**Give Form to the
requester. Do not
send to the IRS.**

Print or type See Specific Instructions on page 2.	1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.		
	2 Business name/disregarded entity name, if different from above		
	3 Check appropriate box for federal tax classification; check only one of the following seven boxes: <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____ <small>Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner.</small> <input type="checkbox"/> Other (see instructions) ▶ _____		4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <small>(Apply to accounts maintained outside the U.S.)</small>
	5 Address (number, street, and apt. or suite no.)		Requestor's name and address (optional)
	6 City, state, and ZIP code		
	7 List account number(s) here (optional)		

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I Instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

Social security number									
-				-					
OR									
Employer identification number									
-									

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign Here	Signature of U.S. person ▶	Date ▶

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at www.irs.gov/fw9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See *What is backup withholding?* on page 2.

By signing the filled-out form, you:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued).
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.

2015 Withholding Exemption Certificate**590**

The payee completes this form and submits it to the withholding agent.

Withholding Agent (Type or print)

Name _____

Payee

Name _____

 SSN or ITIN FEIN CA Corp no. CA SOS file no.

Address (apt./ste., room, PO Box, or PMB no.) _____

City (If you have a foreign address, see instructions.) _____

State _____

ZIP Code _____

Exemption Reason

Check only one reason box below that applies to the payee.

By checking the appropriate box below, the Payee certifies the reason for the exemption from the California income tax withholding requirements on payment(s) made to the entity or individual.

 Individuals — Certification of Residency:

I am a resident of California and I reside at the address shown above. If I become a nonresident at any time, I will promptly notify the withholding agent. See instructions for General Information D, Definitions.

 Corporations:

The corporation has a permanent place of business in California at the address shown above or is qualified through the California Secretary of State (SOS) to do business in California. The corporation will file a California tax return. If this corporation ceases to have a permanent place of business in California or ceases to do any of the above, I will promptly notify the withholding agent. See instructions for General Information D, Definitions.

 Partnerships or Limited Liability Companies (LLCs):

The partnership or LLC has a permanent place of business in California at the address shown above or is registered with the California SOS, and is subject to the laws of California. The partnership or LLC will file a California tax return. If the partnership or LLC ceases to do any of the above, I will promptly inform the withholding agent. For withholding purposes, a limited liability partnership (LLP) is treated like any other partnership.

 Tax-Exempt Entities:

The entity is exempt from tax under California Revenue and Taxation Code (R&TC) Section 23701 _____ (insert letter) or Internal Revenue Code Section 501(c) _____ (insert number). If this entity ceases to be exempt from tax, I will promptly notify the withholding agent. Individuals cannot be tax-exempt entities.

 Insurance Companies, Individual Retirement Arrangements (IRAs), or Qualified Pension/Profit Sharing Plans:

The entity is an insurance company, IRA, or a federally qualified pension or profit-sharing plan.

 California Trusts:

At least one trustee and one noncontingent beneficiary of the above-named trust is a California resident. The trust will file a California fiduciary tax return. If the trustee or noncontingent beneficiary becomes a nonresident at any time, I will promptly notify the withholding agent.

 Estates — Certification of Residency of Deceased Person:

I am the executor of the above-named person's estate or trust. The decedent was a California resident at the time of death. The estate will file a California fiduciary tax return.

 Nonmilitary Spouse of a Military Servicemember:

I am a nonmilitary spouse of a military servicemember and I meet the Military Spouse Residency Relief Act (MSRRA) requirements. See instructions for General Information E, MSRRA.

CERTIFICATE OF PAYEE: Payee must complete and sign below.

Under penalties of perjury, I hereby certify that the information provided in this document is, to the best of my knowledge, true and correct. If conditions change, I will promptly notify the withholding agent.

Payee's name and title (type or print) _____ Telephone (____) _____

Payee's signature ► _____ Date _____

Nonresident Withholding Allocation Worksheet

2015

587

The payee completes this form and returns it to the withholding agent.

Part I Withholding Agent

Withholding agent's name

Address (apt./ste., room, PO Box, or PMB no.)

City (If you have a foreign address, see instructions.)

State ZIP Code

Part II Nonresident Payee

Payee's name

SSN or ITIN FEIN CA Corp no. CA ROS file no.

Address (apt./ste., room, PO Box, or PMB no.)

City (If you have a foreign address, see instructions.)

State ZIP Code

Nonresident payee's entity type: (Check one)

- Individual/sole proprietor
- Corporation
- Partnership
- Limited liability company (LLC)
- Estate or trust

Part III Payment Type

Nonresident payee: (Check one)

- Performs services totally outside California (no withholding required, skip to Certification of Nonresident Payee)
- Provides goods and services in California (see Part IV, Income Allocation)
- Provides only goods or materials (no withholding required, skip to Certification of Nonresident Payee)
- Provides services within and outside California (see Part IV, Income Allocation)
- Other (Describe) _____

If the nonresident payee performs all the services within California, withholding is required on the entire payment for services unless the payee is granted a withholding waiver from the Franchise Tax Board (FTB). For more information, get FTB Pub. 1017, Resident and Nonresident Withholding Guidelines.

Part IV Income Allocation

Gross payments expected from the withholding agent during the calendar year for:

	(a) Within California	(b) Outside California	(c) Total payments
1 Goods and services:			
Goods/materials (no withholding required)	_____	_____	_____
Services (withholding required)	_____	_____	_____
2 Rents or lease payments	_____	_____	_____
3 Royalty payments	_____	_____	_____
4 Prizes and other winnings	_____	_____	_____
5 Other payments	_____	_____	_____
6 Total payments subject to withholding.			
Add column (a), line 1 through line 5	_____	_____	_____
Nonresident withholding threshold amount:	\$1,500.00		
Backup withholding threshold amount:	\$0.00		

Certification of Nonresident Payee

Under penalties of perjury, I certify that the information provided on this document is true and correct. If the reported facts change, I will promptly inform the withholding agent.

Sign Here	Print or type payee's name	Telephone ()
	Payee's signature	Date
	Print or type representative's name and title	Telephone ()
	Authorized representative's signature	Date

Green Contracting Survey (Voluntary)

The City of Sacramento and the Sacramento Metropolitan Air Quality Management 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 Contract Documents, and return it to SMAQMD. Please do not return the Green Contracting Fleet Inventory Form to the City of Sacramento.

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 Forms to SMAQMD 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	_____

Please Submit To:

- 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>
For additional questions, please call (916) 874-4892
 - d)

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		
(ex)	1XP5AAC35RG339402	1T45678	Kenworth	T-300	2002	Cummins	ISB	2002	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.
Electronic version is available at <http://www.airquality.org/ceqa/index.shtml>
- c) For additional questions, please call (916) 874-4892
- d)

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	Year	Type	Make	Model		Year	HP
48W34456	Caterpillar	631G	2003	Scraper	Caterpillar	3408E	2003	485	1,600

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 all 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: _____
 Contractor: _____
 Address: _____

Engineering
 Estimate: _____
 Phone: _____
 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.



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*

Recovery Stations & Landfills

Bell Marine	(916) 442-9089	Elder Creek Recovery & Transfer Station	(916) 387-8425
C & C Paper Recycling	(916) 920-2673	Kiefer Landfill	(916) 875-5555
EBI Aggregates	(916) 372-7580	L & D Landfill	(916) 383-9420
International Paper	(916) 371-4634	North Area Recovery Station	(916) 875-5555
Modern Waste Solutions	(916) 447-6800	Sacramento Recycling & Transfer Station	(916) 379-0500
PRIDE Industries, Inc.	(916) 640-1300	Waste Management Recycle America	(916) 452-0142
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		

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.

SPECIAL PROVISIONS

SPECIAL PROVISIONS

SECTION 1 – GENERAL CONSTRUCTION REQUIREMENTS

1.01 Scope of Work

These Special Provisions cover the replacement of active sewer pipelines, manholes, services, ancillary features, installation of a new water main, transfer of existing water services to the new water main, abandonment of an existing water main, and all associated work. All work shall be performed in accordance with the latest version of the City of Sacramento Standard Specifications for Public Construction, aka the “Standard Specifications”, except as modified herein. Contractor shall provide all labor, materials, tools, equipment, and incidentals, and shall perform all work necessary to complete the subject project in place and make all required connections to the existing piping systems as shown on the Plans and as specified herein.

These Special Provisions and the Standard Specifications reference certain American Water Works Association (AWWA) standards. 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, CONTRACTOR CERTIFIES THAT HE/SHE IS FAMILIAR WITH WATER PIPE INSTALLATION, DISINFECTION, PRESSURE TESTING AND ALL RELATED REQUIREMENTS CONTAINED IN THE AWWA STANDARDS.

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

1.02 Shop Drawings & Submittals

In general accordance with Section 5-7 of the Standard Specifications, Contractor shall prepare and submit for review one e-mailed electronic pdf copy (unless noted otherwise) of the following shop drawings and submittals:

1. Construction schedule (pdf and mpp file compatible with Microsoft Project 2010)
2. Concrete and asphalt concrete mix designs (manholes and pavement)
3. Record drawings (upon completion of work)
4. Traffic control plans
5. Water quality control plan
6. Proposed pipe material and fittings
7. Flow control plan
8. Water service materials
9. Public notification plan
10. Manhole precast sections and covers
11. CCTV Inspection DVDs

Contractor is advised that at the Engineer’s discretion, the above list may be expanded to include additional items to which Section 5-7 of the Standard Specifications will apply. Contractor shall keep one copy of the approved Traffic Control Plan and the Water Quality Control Plan at the construction site at all times.

1.03 Project Signs

Prior to beginning any onsite work the contractor shall install four (4) project signs (two per project). The signs, each approximately 30-inches tall by 54-inches wide, shall be supplied by the City. Location and height of sign installation shall be as directed by the Engineer. In general, install each sign near the project ends on single posts, with bottom of the sign a minimum of seven (7) feet above surrounding grade, and with the sign panel facing traffic entering the project area. If acceptable to the Engineer, existing sign posts may be used; otherwise, Contractor shall install new posts. Each sign and post installed by the Contractor shall be removed at the end of the project and the sign returned to the City.

1.04 Project Schedule

Contractor shall submit a detailed schedule showing all items of work at least ten (10) days prior to initiating onsite construction. The schedule shall be submitted, reviewed and updated in accordance with Section 7-2 of the Standard Specifications. Schedule weekend work in accordance with Section 7-4 of the Standard Specifications.

1.05 Materials and Equipment

Contractor is responsible for the care and protection of all materials and equipment until the completion and final acceptance of the work, in accordance with Sections 5-15 thru 5-18, 5-21, and 5-22 of the Standard Specifications. *PVC pipe manufactured by JM Pipe or PW Eagle Pipe will not be allowed.*

1.06 Permits

None required.

1.07 Administrative Penalties

City Code Chapter 12.20 establishes administrative penalties for non-compliance with minimum requirements relating to construction activities within the City right of way. Contractor may be assessed an administrative penalty for each violation of any provision addressed by the ordinance, and amounts can be deducted from the Contract. The ordinance includes the following general categories:

Working hours	Public safety and convenience
Traffic control plans	Repair of traffic control systems
Access to private property	Care of existing facilities
Construction area maintenance	Public notification
Maintenance of traffic	Noise levels

Copies of the ordinance are available from the City Clerk's Office, 915 I Street, Sacramento, CA. 95814, and at <http://www.qcode.us/codes/sacramento/>

1.08 Water Quality Control

Contractor shall comply with Section 16 of the Standard Specifications. Prepare and submit an erosion, sediment and pollution control plan (ESC Plan) to the Engineer for review a minimum of 48 hours prior to start of the work. Contractor shall not begin work until an accepted ESC Plan is on file with the Engineer.

1.09 Daily Coordination Requirements

In addition to other responsibilities of the Contractor and the Contractor's Superintendent as detailed in Section 5-4 of the Standard Specifications, the Contractor's Superintendent or other Contractor representative as approved by City shall meet with City's representative(s) at the job site each working day, once each morning and once each afternoon, for a total of approximately one (1) hour per working day. The purpose of such meetings shall be to maintain close coordination between City and Contractor throughout performance of the Contract, and to address matters including, but not limited to: reviewing the current work day's schedule, updating the City representative on the current working day's completed work, communicating customer notifications, valve placements and abandonments, service connections completed that day, job walks as required by the City representative to rectify anomalies, identify work scheduled for the next working day, and review USA markings.

1.10 Project Closeout

When the project is completed in accordance with the Plans and Specifications, Contractor shall notify the Engineer of the completion of the project at which time City will prepare a list of deficient work items, or punch list. After all punch list items have been completed to the satisfaction of the Engineer, and as-built drawings are completed and submitted, a completion report will be prepared in accordance with Section 8-4 of the Standard Specifications.

1.11 Payment

Full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in performing and complying with the project's General Requirements (Special Provision Sections 1 thru 3) shall be considered as included in the prices paid for the various contract bid items, and no additional compensation will be allowed therefor.

****END OF SECTION****

SECTION 2– PUBLIC CONVENIENCE & PROTECTION OF EXISTING CONDITIONS

2.01 Public Right-of-Way and Easements

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

In the event the Contract requirements necessitate the Contractor to encroach onto adjoining private property, 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 property owners concerning encroachment onto private property shall be provided to the Engineer prior to beginning any work on the subject property.

2.02 Existing Facilities

Protection and maintenance of existing utilities shall conform to Section 13 of the Standard Specifications and these Special Provisions.

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

Contractor shall insure that utility services to customers in the project are maintained.

All costs for relocating existing overhead and/or underground utilities not specified on the Plans to be relocated, but are relocated or cut and reconnected at the Contractor's choice, shall be borne by the Contractor.

2.03 Existing Site Conditions

Bidders are directed to Section 2-4 of the Standard Specifications which require Bidders to examine the project site.

2.04 Handling and Removal of Hazardous or Contaminated Materials

In the event hazardous or contaminated materials are encountered at the site for which separate handling or removal provisions have not been made in these Special Provisions, the Contractor shall stop work on that item, contact the Engineer and schedule his operations to work elsewhere on the site, if possible. The City will be responsible for handling and removal of hazardous material or may request that the Contractor be made available, through contract change order, to provide additional services as needed for the completion of the work. Additional services may consist of retaining a subcontractor who possesses a California license for hazardous substance removal and remedial actions.

Hazardous or contaminated materials may only be removed and disposed of from the project site in accordance with the following provisions:

1. All work is to be completed in accordance with the following regulations and requirements:
 - a. Chapter 6.5, Division 20, California Health and Safety Code.
 - b. California Administration Code, Title 22, relating to Handling, Storage, and Treatment of Hazardous Materials.

- c. City of Sacramento Building Code and the Uniform Building Code, 1994 edition.
2. Coordination shall be made with the County of Sacramento Environmental Management Department, Hazardous Materials Division, and the necessary applications shall be filed.
3. All hazardous materials shall be disposed of at an approved disposal site and shall only be hauled by a current California registered hazardous waste hauler using correct manifesting procedures and vehicles displaying a current Certificate of Compliance. The Contractor shall identify by name and address the site where toxic substances shall be disposed of. No payment for removal and disposal services shall be made without a valid certificate from the approved disposal site that the material was delivered.

None of the aforementioned provisions shall be construed to relieve the Contractor from the Contractor's responsibility for the health and safety of all persons (including employees) and from the protection of property during the performance of the work. This requirement shall be applied continuously and not be limited to normal working hours.

2.05 Health and Safety

Contractor is warned that existing sewers and appurtenances have been exposed to sewage and industrial wastes, and may carry flammable liquids. Conform to Standard Specification Section 26-3.

2.06 Public Notification of Work

Contractor shall notify property owners, rental property management companies, and/or tenants adjacent to the project limits in writing at least seven (7) working days in advance of beginning work. Notices shall be approved by the Engineer and shall describe the work to be performed, the anticipated duration of construction and the name and telephone number of the Contractor's representative that can be reached 24 hours a day, seven (7) days a week. See sample notification letters in Appendix B.

Specific timed notices shall include the following:

- Notify seven (7) working days prior to commencing any work.
- Notify twenty-four (24) hours prior to a water service shutdown.
- In the event Contractor returns to a public right of way for additional work after an absence of more than fourteen (14) calendar days, then property owners and residents affected by work shall be re-notified two (2) working days prior to resuming work.

2.07 Maintenance of Traffic, Public Safety, and Convenience

Contractor's attention is directed to Sections 6-6 through 6-11, 7-4 and 16-3 of the Standard Specifications. **Contractor will not be allowed to begin onsite work until an approved traffic control plan is on file with the Engineer.** In addition, approved traffic control plans shall be kept on hand at the project site at all times while construction is in progress.

Contractor will ensure that utility services to customers in the project are maintained, and work shall be performed in accordance with the following requirements applicable to all streets:

1. The Contractor shall not cause public rights-of-way, public property or public easement to be covered with construction related trash, debris, garbage, waste material or soil. Areas affected by the construction, must be cleaned to the satisfaction of the Engineer prior to re-opening to the public.
2. Project materials and equipment 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 related construction. Equipment and materials shall not front any single address in excess of ten (10) days unless otherwise accepted by the Engineer.
3. Stockpiles within the public right-of-way shall be no higher than 6 ft in height, and shall not impede vehicular traffic, pedestrian traffic, access to residences, or drainage along the curb line. Should stockpiling of materials within the public right-of-way prove to be a nuisance to adjacent residents, the materials and/or equipment shall be moved within two (2) working days following direction by the Engineer.
4. Trench plates shall not be utilized for more than three (3) calendar days in one location and temporary surfacing shall not be utilized for more than five (5) calendar days in one location without prior written approval of the Engineer.
5. The Contractor shall provide access to all existing driveways at all times except when excavation is in progress, when forms are in place, when concrete or asphalt is being placed or unless other arrangements are made with the property owner. 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' notice in advance of the closure. Access for emergency vehicles shall be available on all streets within the construction area at all times.
6. Rear access to buildings and existing parking areas behind buildings shall be maintained. If arrangements have been made with property owners, the Contractor may close such access for a limited time. Contractor shall give property owners forty-eight (48) hours' notice in advance of the closure.
7. Provide for pedestrian traffic at all times except where closures are approved in advance by the Engineer.
8. At least one (1) lane of traffic shall be maintained open at all times on Grove Ave., Lampasas Ave., and 56th St. All work within public streets and/or roadway right-of-way shall be done in an expeditious manner so as to cause as little inconvenience to the traveling public as possible.
7. Work hours shall be between the hours of 7 a.m. and 6 p.m. Monday through Friday, excluding legal holidays. No work shall be done on Saturdays, Sundays or legal holidays, except as described in Section 7-4 of the Standard Specifications and as approved by the Engineer.
8. At night and at other times when work is not in progress, all lanes shall be open to the public for vehicular traffic. Skid-resistant steel plates or other approved methods shall be used to cover all open excavations in the roadway(s) during non-working hours.

Contractor is hereby alerted that Norwood Avenue, H, and J Streets are designated "primary streets" and as such the requirements and administrative penalties of Chapter 12.20 of the City Code apply (<http://www.qcode.us/codes/sacramento/>). In accordance therewith, Contractor shall

maintain at least one traffic lane open in each travel direction on these roadways, and shall not impede traffic on any primary street outside the work hours of 8:30 A.M. and 4:00 P.M.

All signs and street marking damage caused by or related to the construction of this project shall be replaced in kind by the Contractor. In the case of partial damage to lane stripes and traffic lettering the whole stripe or marking in its entirety shall be replaced. Temporary markings and striping shall be installed within 72 hours (three working days) of damage.

Prior to commencing work and/or closing the street or alley, Contractor shall contact the following City Divisions and agencies:

1. Police Communication Center, one (1) working day prior to closure, by calling 264-5471.
2. Fire Department Communications Center one (1) working day prior to closure by calling 228-3035 or fax at 228-3082.
3. City Traffic Engineering Services five (5) working days prior to closure by calling 808-5307.
4. City Solid Waste Division five (5) working days prior to closure by calling 808-4952 or fax at 808-4999. The Contractor shall also coordinate with the property owners all relocations of trash receptacles necessary to maintain garbage collection.
4. Street Parking five (5) working days prior to closure by calling 808-5579 or fax at 808-7501.
5. Regional Transit five (5) working days prior to closure by calling Lynn Cain at 321-5375 or fax at 557-4541.

At a minimum, the following information shall be provided:

Project name and number	City Inspector's Name and phone number
Contractor's name and 24-hr phone number	Limits of street closure, with street names
City project manager's name	Duration of street closure

2.08 Removal of Street Parking

In locations where Contractor's operations require removal of on-street parking, such removal shall be in accordance with Section 6-18 of the Standard Specifications. Failure to comply with this section will prevent City from towing vehicles parked in the proposed work area.

****END OF SECTION****

SECTION 3 – GENERAL UTILITY CONSTRUCTION REQUIREMENTS

3.01 Trench Excavation, Shoring, Sheet piling, Bracing, and Backfill

Trench excavation and backfill in all streets shall meet the applicable requirements of Sections 10, 14 and 26 of the Standard Specifications, these Special Provisions and Backfill & Resurfacing Detail T-80A in Appendix A. If specified in these Special Provisions, or so directed by the Engineer, pipe shall be backfilled with Controlled Density Fill (CDF) in accordance with Section 10-16 of the Standard Specifications.

Contractor is hereby alerted that 12 and 16 inch diameter high pressure gas mains are located in Lampasas Avenue as shown on the Plans. When working near (within 5 feet) or crossing gas mains, Contractor shall comply with all PG&E requirements, which may include temporarily supporting the gas mains and/or using hand or vacuum excavations for placement of the proposed pipe. Contractor shall contact PG&E by calling (916) 386-5153 and submit plans and details as requested by PG&E for written approval prior to working near the gas mains. A copy of the written approval shall be provided to the Engineer prior to working near the gas mains.

3.02 Pavement Cutting and Surface Restoration

Pavement cutting and surface restoration shall conform to the applicable provisions of Section 26-11 of the Standard Specifications and these Special Provisions. Contractor shall restore surfaces in kind (using the same surface material as existing) unless otherwise noted on the Plans or within these Special Provisions. The costs for performing pavement cutting and surface restoration, unless otherwise stated in these Special Provisions, should be included in the costs of the associated item of work that requires excavation. No separate payment will be made for surface restoration.

If trenches cross sidewalks, curb, and/or gutter, Contractor shall replace entire sidewalk panel to nearest control or expansion joint on both sides of trench wall. Extent of curb and gutter replacement shall coincide with sidewalk panel being replaced. Pavement cutting shall be perpendicular and parallel to the centerline of the road when practicable.

Anticipate for bid purposes, that the pavement section on Grove & Lampasas avenues consists of 4 inches of asphalt concrete atop 12 inches of Class 2 aggregate base; the pavement section on 56th Street consists of 6 inches of asphalt concrete atop 4 inches of Class 2 aggregate base; and the pavement section on Norwood, H, and J streets consists of 7 inches of asphalt concrete atop 14 inches of Class 2 aggregate base

3.03 Temporary Paving

Temporary paving shall be in accordance with Section 14-4 of the Standard Specifications.

3.04 Closed Circuit Television Inspection of Sewer Pipes

All sewer pipes 6-inches and larger installed this contract shall be inspected by the Contractor utilizing a remote closed circuit in-line television (CCTV) camera. CCTV inspections shall be conducted after all utilities have been installed and backfill compaction has been completed, but prior to final paving.

Before performing CCTV inspections, Contractor shall clean pipes as necessary to remove

standing water and to remove solids, debris, grease, and/ or grit from the inside of the pipe between access points.

Contractor shall notify the Engineer two (2) working days in advance of the anticipated date of CCTV inspection so that the Engineer may observe the flow control, cleaning, and CCTV inspection operations.

Perform all CCTV inspection in accordance with NASSCO's Pipeline Assessment Certification Program (PACP). CCTV inspections shall be conducted entirely in digital format and shall be recorded in MPG or AVI format written to DVD and shall be compatible with the Granite XP software (version 3.7.4 or City's current version). CCTV inspection shall match within +/- 2 (two) feet of the measured linear footage along the pipe centerline, from manhole center to manhole center, or access point.

Documentation shall consist of one or more DVDs that show all features encountered during CCTV inspections. The speed of travel shall be slow enough to detect reverse slope or low spots in pipe grades and to inspect and identify each pipe joint, service connection, etc., but should not, at any time, be faster than 30 feet per minute. Position the CCTV camera in the center of the pipe to provide maximum clarity, and provide accurate distance measurements to all features. Footage measurements shall be displayed continuously on the video. Submit the DVD(s) to the Engineer for review and approval prior to pipe acceptance by the City.

Every section of pipe (manhole to manhole or access point) shall be identified at the beginning of each video. Information to display shall include: project name, street name, City manhole numbers, inspector's name, pipe diameter and length, and date of inspection. In addition to inspecting the pipe, pan all manholes with the CCTV camera.

3.05 Maintaining Water, Sewer & Drainage Flows

Contractor shall be responsible for maintaining sewer, water, and drainage flows, including temporary bypasses in accordance with Section 13-2 of the Standard Specifications, and these Special Provisions.

Maintaining sewer and drainage flow (flow control) is defined herein as a method or set of methods used to adjust the flow to allow for replacement, placement, repair, inspection, and maintenance of the sewer and drainage systems. This item is to be accomplished through the use of pumps to bypass flow around the work area until the work is complete.

Per Section 13 of the Standard Specifications, Contractor shall furnish all materials, labor, equipment, power, maintenance, etc. to implement the necessary flow control system and control or divert the flow around and/or through the work area for the duration of the work. The design and installation of the necessary system(s), as well as the operation of a temporary bypass pumping system shall be the Contractor's responsibility.

Contractor shall submit a flow control plan to the Engineer for approval a minimum of ten (10) working days prior to controlling flows and shall not begin onsite work until an approved plan is on file with the Engineer. As a minimum, the flow control plan shall include the following:

- a. Detailed procedures for handling peak estimated flows
- b. Schedule for controlling flow at different stages of the construction
- c. Operation plan
- d. Emergency procedures

- e. Drawing of plug(s), bypass pump and discharge pipeline locations
- f. Bypass pump sizes, capacities, numbers of each, and power requirements
- g. Bypass pipeline sizes and material types
- h. Bypass pipeline locations and/or road crossing details.

Pumping and Bypassing

Contractor shall provide, operate and maintain a bypass pumping system provided the conditions presented herein are included in the flow control plan and implemented during construction.

- a. Contractor shall obtain approval and secure all permits for placement of temporary bypass pumping system and pipeline within public right-of-way.
- b. The Contractor shall be responsible for furnishing the necessary equipment, power, labor, and supervision to set up and operate the pumping and bypassing system in order to maintain flows and services. All equipment shall be operated in a manner to keep the pump noise to a minimum and in accordance with the City noise ordinance. Electric pumps or diesel silent pack pumps shall be used. No other type of pump will be acceptable without prior approval of the Project Engineer.
- c. Pumped flows shall be in an enclosed pipe that is adequately protected from traffic, and shall be redirected into the sewer or drainage systems or alternatively into an enclosed tank for hauling to the regional wastewater treatment plant. Dumping or free flow of sewage on private or public property, gutters, streets, sidewalks, or into storm sewers is prohibited.
- d. Bypass pumps shall be fully automatic, self-priming units that do not require use of foot valves or vacuum pumps in priming system. Pumps shall be of open impeller design with ability to pump minimum 3-inch diameter solids. Pumps shall be able to run dry for long periods of time to accommodate the cyclical nature of flows. A standby pump, one of each size, shall be available on site.
- e. Contractor shall provide the necessary stop/start controls for each pump.
- f. Contractor shall include one stand-by pump for each size to be maintained on site. Back-up pumps shall be on-line and isolated from the primary system by a valve.
- g. In order to prevent the accidental spillage of flows, all discharge systems shall be temporarily constructed of a secure, tight, leak free discharge pipe. Aluminum "irrigation" type piping or glued PVC pipe will not be allowed.
- h. Contractor shall be responsible for continuity of the sewer service to each facility connected to the section of sewer main during the execution of the work, and shall also bypass the main sewer flow around the pipe to be replaced, or into adjacent sewers
- i. The pumps and the bypass lines shall be of adequate capacity and size to handle all flows without backup to private property.
- j. Contractor shall perform leakage tests of the bypass pumping discharge piping using clean water prior to operation.
- k. Contractor shall inspect the bypass pumping system no less than once every 2 hours to ensure that the system is working correctly. Contractor shall ensure that the temporary pumping system is properly maintained and a responsible operator shall be on hand at all times when the pumps are operating.

- i. Before the bypass pumping system is dismantled, either to be moved to the next location or at the completion of the work, discharge sewage or stormwater remaining in the bypass discharge pipeline and pumping equipment into the working sewer.
- m. Upon completion of the bypass pumping operation, disturbed areas shall be cleaned and restored to a condition which is at least equal to or better than the condition which existed prior to the start of work.
- n. Substantial infiltration and inflow (I/I) has been recorded within the project area, even for low intensity rainfall events. Accordingly, all temporary plugs and the bypass pumping system shall be removed if rainfall is forecasted (over 40% probability) within 24 hours by the National Weather Service for Sacramento or if otherwise directed by the DOU.

Precaution and Performance Requirements

Whenever flows in a pipeline are bypassed, sufficient precautions shall be taken to protect all sewer and drainage mains from damage that might be inflicted by excessive surcharging. Further precautions shall be taken to ensure that flow control operations do not cause flooding or damage to public or private property being served by the sewer and/or drainage system involved. The Contractor shall be responsible for damages to private or public property that may result from the flow control operations. The Contractor shall be responsible for any violations of laws, regulations or permits and shall indemnify and hold the City harmless from any and all damages, including but not limited to fines, penalties and law suits which arise from such violations.

It is essential that the sewer service have no interruption through the duration of the work. The Contractor shall provide adequate bypass pumping so that there is no interruption in the flow through the duration of the work. Therefore, the Contractor shall provide, maintain and operate all temporary facilities such as dams, plugs, pumping equipment (both primary and back-up units) as necessary to intercept the flow before it impacts the work area, carry it past the work area and return it to the existing sewer system downstream of the work. Cut or disconnected sewer services shall be replaced or repaired by 5:00 PM of the same day, and shall be constructed per Standard Drawing S-260 & S-265.

Discharge of sewage into the construction trench, private or public property, gutters, streets, sidewalks or storm drains shall not be permitted.

3.06 Disinfection and Pressure Testing of Water Mains and Services

Disinfection and pressure testing of water mains, related valves and fittings, as well as flushing of the water main, shall conform to AWWA Standards and Sections 27-12 and 27-13 of the Standard Specifications. All pressure and disinfection testing shall be made in the presence of the Engineer.

Contractor shall coordinate with the City so that water used to test and disinfect a new main is captured and recycled as much as practicable. Contractor shall also coordinate with the City when flushing a new main. Contractor shall notify the Engineer three days prior to flushing water used in the testing and/or disinfection process. 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 system. If dechlorinated water is released to a storm or sewer system, it shall be hard piped to a manhole rather than released to the ground.

City can provide up to four water trucks onsite during the flushing process. At no time will Contractor be delayed by the lack of available City trucks. If City isn't able to provide adequate trucking to capture the water, Contractor shall adhere to the flushing requirements within the City Standard Specifications and these Special Provisions to dispose of the water.

3.07 Distribution System Shutdowns for Water Main Connections

After successful hydrostatic pressure testing and disinfection, Contractor shall connect the new water main to the existing water system at the locations indicated on the Plans in accordance with Section 27-14 of the Standard Specifications. Contractor shall temporarily cap existing mains as necessary and as approved by the Engineer to maintain service to City customers.

To coordinate and schedule any water main shutdown, Contractor shall provide the Engineer with a proposed shutdown schedule before 3:00 PM on the Monday a minimum of eleven (11) days before the shutdown is required. If these coordination requirements are not performed, City cannot provide the shutdown.

Contractor shall expose the existing water main at tie-in locations twenty-four (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. City will not conduct a shutdown until the Contractor is capable of completing the work within a 4 hour period.

Contractor shall remove and dispose of water released from cutting or opening existing mains. The excavation shall be kept dry until all necessary work within the work area has been performed.

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

3.08 Residential Water System Tie-Ins

Each residential water system shutdown shall be approved by the Engineer prior to making the shutdown. Shutdowns will not be approved until all appropriate preparations have been made by Contractor 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.

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 water main is complete. All underground work shall be inspected prior to backfilling.

3.09 Tree Preservation Requirements

Trees within the project area shall be protected by the following means:

1. Contractor shall hire an International Society of Arboriculture (ISA) certified arborist to do any required pruning for equipment clearance. Contractor shall also contact the City Arborist (Dan Pskowski, 768-8604) for a root inspection(s) for trenching activities within the dripline of any tree.
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

project sponsor 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. 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.

3.10 Archaeological Resources Discovery

Discovery of cultural resources. If subsurface archaeological features or deposits, including locally darkened soil ("midden"), that could conceal cultural deposits, animal bone, obsidian and/or mortars are discovered during construction, then all work within 150 feet of the resources shall halt. Contractor and City shall consult with an archaeologist certified by the Society of Professional Archeologists (SOPA), or one who meets the federal standards in the Code of Federal Regulations (36 CFR 61) to assess the significance of the find. Archaeological test excavations shall be conducted by the archaeologist to aid in determining the nature of the find. If the find is determined to be significant by the archaeologist, representatives of the City and the archaeologist shall coordinate to determine the appropriate course of action. All significant cultural materials recovered shall be subject to scientific analysis and professional museum curation. In addition, a report shall be prepared by the archaeologist according to current professional standards. Work shall be re-started only upon a notice to proceed from the City's Project Manager.

Discovery of Native American sites. If a Native American site is discovered during construction, Contractor shall give immediate notice to the City's Project Manager, and the City's evaluation process shall include consultation with the appropriate Native American representatives. If Native American archaeological, ethnographic, or spiritual resources are involved, all identification and treatment shall be conducted by qualified archaeologists, who are certified by the Society of Professional Archeologists (SOPA) and/or meet the federal standards as stated in the Code of Federal Regulations (36 CFR 61), and Native American representatives, who are approved by the local Native American community as scholars of the cultural traditions.

In the event that no such Native American is available, persons who represent tribal governments and/or organizations in the locale in which resources could be affected shall be consulted. If historic archeological sites are involved, all identified treatment is to be carried out by qualified historical archaeologists.

Discovery of human remains. If a human bone or bone of unknown origin is found during construction, Contractor shall give immediate notice to City's Project Manager, all work shall stop in the vicinity of the find, and the County Coroner shall be contacted immediately. If the remains are determined to be Native American, Coroner shall notify the Native American Heritage Commission, who shall notify the person most likely believed to be a descendant. The most likely descendant shall work with the City's Project Manager and Contractor to develop a program for re-interment of the human remains and any associated artifacts. No additional work is to take place within the immediate vicinity of the find until the identified appropriate actions have taken place.

****END OF SECTION****

SECTION 4 – ITEMS OF THE PROPOSAL

Item No. 1 Preconstruction Photographs

This item shall conform to Section 11 of the Standard Specifications.

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

Item No. 2 Mobilization

Mobilization shall consist of preparatory work and operations, including, but not limited to, those necessary for the movement of personnel, equipment, supplies, and incidentals to the project site; and for all other work and operations which must be performed or costs incurred prior to beginning work on the various contract items on the project site. Compensation for mobilization in excess of eight (8) percent of the total amount of all other bid items shall be paid with the progress payment when all other work items are 100 percent complete.

Payment for mobilization shall be on a lump sum basis and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for performing all work necessary to complete this item.

Item No. 3 Potholes

Prior to construction, Contractor shall contact Underground Service Alert (U.S.A.) to field locate and surface mark the location of all existing utilities within the project area. Unless otherwise directed or approved by the Engineer, Contractor shall, at least ten (10) days prior to onsite construction, pothole underground utilities that they may be in conflict with the proposed work. A representative from the City shall approve the pothole locations prior to potholing and shall be onsite during the pothole operations. Since the 56th St. sewer is a size-on-size replacement, and much of the replacement sewer along Grove and Lampasas Avenues is deep compared to most other utilities, few crossing utility conflicts with the replacement mains are anticipated.

In addition to potential utility conflicts, perform potholes in Lampasas Ave. at a minimum frequency of every 50 linear feet along the length of the surface marked 12 or 16 inch gas main that is closest to the replacement sewer so as to confirm the gas line's horizontal and vertical alignment.

After coring thru the surface asphalt layer, potholes shall be advanced using hand excavation and/or vacuum extraction methods. Unless otherwise approved, backfill potholes to the base of the roadway section with compacted sand, and replace the roadway section in kind.

The estimated quantity of potholes shown is for bidding purposes only. The exact number of potholes actually performed in the field may vary.

Payment shall be at the unit price bid per pothole and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work necessary to complete this item, including surface restoration.

Item No. 4 15-inch Sewer Pipe

Item No. 5 10-inch Sewer Pipe

Item No. 6 8-inch Sewer Pipe

Where shown on the Plans, furnish and install VCP and/or PVC sewer pipe and fittings in accordance with the manufacturer's recommendations and these Special Provisions. Submit pipe material information for approval in accordance with Special Provisions Section 1.02.

Only one type of pipe shall be used between manholes. If more than one pipe material is proposed for this project, Contractor shall include a plan with the pipe material submittal showing where the different types will be used. Any deviation in the plan thereafter shall not be allowed unless approved in advance by the Engineer.

Contractor shall install a flexible joint in the new pipe (bell and spigot or flexible coupling) a horizontal distance of 18 inches to 24 inches from the outside wall of each manhole. Inside each manhole, unless otherwise directed or approved, fill the annular space between the new pipe OD and the flexible boot (the "Kor-N-Seal" or equal flexible connector) with grout so as to provide a smooth, crevice free, inside surface.

Remove existing sewer pipe as required to install the new pipe in accordance with Section 13 of the Standard Specifications. All removed pipe and ancillary features or portions thereof shall be disposed of offsite by the Contractor.

Excavation and backfill created by removal of a manhole shown to be removed but not replaced shall conform to Section 14-2, Structure Excavation and Backfill, of the Standard Specifications, except as modified herein. Backfill to pavement subgrade using CDF, Class 2 aggregate base, or an import material with a sand equivalent of 20 or greater, then complete surface restoration. Class 2 aggregate base and import material shall be compacted to at least 90 percent relative compaction. Clean the existing frame and cover of foreign material and deliver it to the City of Sacramento Corp. Yard, 5730 24th Street, Attention: Sewer Superintendent.

Contractor shall reconnect all live sewer services to the new sewer pipe. The location of sewer services shown on the Plans is diagrammatic only. Locations shown are based on previous CCTV inspections that identified sewer main connections that may or may not be live services, and that may or may not be substandard. Contractor shall differentiate between live and abandoned services after they are exposed by use of a portable CCTV or other approved means. Engineer will evaluate the in-field CCTV results to differentiate live from abandoned services. A separate payment will be made for the replacement of substandard sewer services as provided for in Item No. 10. Unless otherwise directed, abandoned services shall be cut from the main and the pipe end to remain shall be plugged.

Contractor's operations shall not result in the interruption of sewer service to any building served by the sewer main. The replacement of each sewer service shall be accomplished within the same day that work is started. Contractor shall provide, at no extra cost to the City, whatever equipment, materials, labor and services are necessary to ensure that the sewer service is maintained consistent with this requirement including, if necessary, the installation of temporary lines and/or main connections, temporary pumping equipment, and night-time or other overtime work as may be required.

When connecting a service to an existing manhole, the service shall be installed above the

base of the manhole such that no alteration of the manhole base is required, unless otherwise approved by the Engineer. If the service enters a manhole near the invert of the manhole flow channel, the service shall be channelized in the manhole bench with vitrified clay pipe, shaped to provide a smooth transition into the main flow channel. If the service enters a manhole more than 1.5 feet above the spring-line of the pipe forming the manhole channel, an inside drop connection shall be constructed from the incoming service to one (1) foot above the spring-line of the pipe forming the channel at no additional cost to the City.

Sewer Pipe shall conform to the following:

Vitrified Clay Pipe (VCP)

VCP and fittings shall conform to the applicable provisions of Standard Specifications Section 10-19 and Section 26.

Poly Vinyl Chloride Pipe (PVC)

PVC and fittings shall conform to the applicable provisions of Standard Specifications Section 10-19 and Section 26, and these Special provisions. PVC manufactured by JM Pipe or PW Eagle Pipe will not be allowed.

For PVC pipe and fittings, the minimum pipe stiffness at 5% deflection shall be 46 PSI according to ASTM test D2412. A maximum deflection of 5% from the base I.D. will be allowed within 96 hours after placement of the backfill. A maximum deflection of 7½% from the base I.D. will be allowed within 6 months after placement of the backfill. Flexible pipe joints shall be in accordance with ASTM D3212.

If requested by the Engineer, all PVC conduits shall be tested with a mandrel 5% smaller than the average inside diameter of the pipe placed no sooner than 96 hours after placement of the backfill. Mandrel tests may be performed by the City after a six (6) month period of time at which time a maximum deflection of 7-1/2% from the base I.D. will be allowed. The mandrel used shall be the PHOS PVC Sewer Pipe Deflection Gauge or other deflection gauge approved by the Engineer.

Testing of pipe for leakage, as described in Standard Specifications Section 26-10, is not required. In order to confirm proper placement, however, all new sewer pipe shall be inspected by the Contractor utilizing a CCTV camera as specified in Special Provisions Section 3.04.

Payment shall be made at the respective unit prices bid per lineal foot of each sewer main size, based on the actual footage installed when measured from center of manhole to center of manhole, which shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work necessary to complete these items in place, including removal of existing sewers and ancillary features; making sewer pipe connections to manholes; CCTV video inspections; reconnection of live services to the new sewer pipe; plus pavement cutting and surface restoration.

- Item No. 7** **Manhole #3**
- Item No. 8** **Manhole #3A**

In accordance with the plans, existing manholes shall be removed, then depending upon the depth, either a new Manhole #3 or new Manhole #3A shall be constructed as shown. Manhole

construction, unless otherwise directed by the Engineer, shall conform to the Standard Specifications, Section 38, Drawing No.'s S-70 (Manhole #3) and S-80 (Manhole #3A).

Existing manhole components that are removed shall be disposed of offsite, except that existing frames and covers, once cleaned of all foreign material, shall be delivered to the City of Sacramento Corp. Yard, 5730 24th Street, Attention: Sewer Superintendent. Excavation shall conform to Standard Specifications Section 14-2, Structure Excavation.

All manhole interior holes and seams shall be grouted flush using non-shrink grout such as "Metallic Grouting Compound" by Burke, "Embeco" by Master Builders, "Ferrolith-G" by Sonneborn-Desoto, or approved equal. All internal surfaces shall have a smooth, crevice free, finish, including the annular space between pipes and flexible connectors.

Install preformed plastic sealing compound between precast manhole sections. The Grove/Lampasas and 56th Street project areas are not considered "high groundwater" areas, and thus external joint rubber seals are not required.

Payment shall be at the unit price bid per each manhole constructed and shall include full compensation for furnishing all labor, materials, tools and equipment and for performing all work necessary to complete these items in place, including pavement cutting and surface restoration.

Item No. 9 Inside Drop Connection

Inside drop connections shall be constructed in manholes where shown on the plans or directed by the Engineer in conformance with Standard Specifications DWG No. S-130.

Payment shall be at the unit price bid per each inside drop connection 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 Substandard Sewer Service

Substandard sewer services encountered during construction shall be replaced in accordance with the requirements of Sections 10, 26, and 38 of the Standard Specifications. Unless otherwise directed, substandard sewer services are existing live sewer services that are not solid wall HDPE or ABS pipe. Each replacement service shall match the existing service size. All replacement services shall be acrylonitrile-butadiene-styrene (ABS) pipe installed with a cleanout as shown on Standard Specifications, Section 38, DWG No.'s S-260 and S-265.

Replacement services shall be connected perpendicular to sewer mains using tees or insert-a-tees. Cast iron fittings will not be allowed. Under no circumstance will grouted connections be acceptable. Unless otherwise approved, Contractor shall layout replacement services and cleanouts as follows: Expose substandard service connection at main; briefly disconnect the service at main and insert a locating sonde into the service pipe; extend the sonde to determine the cleanout location in the planter strip (or behind the sidewalk if no planter strip) in front of the facility served; then trench for and install the new service line from the cleanout location so as to be perpendicular to the new main.

The quantity of Substandard Sewer Services to be replaced that is shown on the Proposal is for bidding purposes only. The unit price paid will not be adjusted if the actual number of

substandard sewer services replaced varies from the quantity shown.

Payment shall be made at the unit price bid for each substandard sewer service based on the actual number replaced, which 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 surface restoration.

Item No. 11 Sewer Pipe Ends to Plug

Existing sewer pipes encountered that are determined by the Engineer to be abandoned or inactive shall be plugged and sealed per Section 13-3 of the Standard Specifications. Pipe ends to be measured and paid for under this item must be six inches (6") in diameter or larger. Contractor shall plug with concrete or otherwise cap the end of all smaller diameter pipes at no additional cost to the City.

The quantity of Pipe Ends to Plug shown in the Proposal is for bidding purposes only. The unit price paid will not be adjusted if the actual number varies from the quantity shown.

Payment shall be made at the unit price bid to plug each pipe end, based on the actual number plugged as directed by the Engineer, and shall include full compensation for furnishing all labor, materials, tools and equipment, and for doing all work necessary to complete this item in place.

Item No. 12 Unsuitable Material

Whenever the trench bottom, in the opinion of the Engineer, is unsuitable as a foundation for pipe bedding, the foundation shall be treated in accordance with Sections 26-5.4 or 27-3 of the Standard Specifications as appropriate. Unsuitable material is generally defined as material the engineer determines to be:

1. Of such unstable nature as to be incapable of being compacted to specified density using ordinary methods at or near optimum moisture content; or
2. Too wet to be properly compacted and circumstances prevent processing or in-place drying prior to incorporation into the work; or
3. Containing visible or excessive deleterious material; or
4. Otherwise unsuitable for planned use.

Trench backfill shall consist of Class 2 Aggregate Base (AB) or job excavated, native soil meeting the requirements of Section 26-5 of the Standard Specifications. The use of job excavated native soil shall be at the Contractors risk. No additional compensation will be paid to the Contractor for hauling, stockpiling, drying, wetting or any processing of the native soil or AB required in order to achieve the minimum stability and relative compaction criteria.

Excavated unsuitable material shall be the property of the Contractor and shall be disposed of away from the project site. For offsite disposal, the Contractor shall have written permission from the owner upon whose property the disposal is to be made before any material is deposited thereon.

The quantity shown in the Proposal for this item shall be considered approximate. No guarantee is made or implied that the quantity will not be reduced, increased, or deleted as may be required by the Engineer. This item has been included in the proposal in anticipation

of encountering unsuitable material during subgrade preparation. If no unsuitable material is excavated, then this item will be deleted.

Measurement for payment for excavation of unsuitable material and placement of clean crushed rock, "pit run", cobbles, Class 2 aggregate base or any approved combination thereof shall be based upon the weight of material placed less the weight of its moisture content.

Payment shall be made at the unit price bid per ton of unsuitable material, based on the actual tonnage installed, which shall include full compensation for furnishing all labor, materials, tools and equipment and for performing all work necessary to complete this item in place.

Item No. 13 Unmarked Utility Crossings

All utilities, abandoned or live, not shown on the plans that cross the excavation but do not physically conflict with installation of the Bid Proposal items shall be paid for under this item. A crossing shall be defined as any pipe, cable, conduit, or duct structure that in the opinion of the Engineer crosses the excavation within 60 degrees of a line perpendicular to the excavation. If more than one utility crosses within a 15-inch long section of the trench, then all the utilities in that cross section will be paid as one. Crossings that are more than 60 degrees from perpendicular, run parallel in the excavation or physically conflict with the installation shall be paid for on a time and material basis in accordance with section 8 of the Standard Specifications.

The quantity shown in the Proposal for this item shall be considered approximate. No guarantee is made or implied that the quantity will not be reduced, increased, or deleted as may be required. This item has been included in anticipation of encountering unmarked utility crossings during construction. If no unmarked utility crossings are encountered, then this item will be deleted.

Payment shall be made at the unit price bid per each unmarked utility crossing, based on the actual number encountered, which 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. 14 Service Lateral Trench Hand Excavation

As indicated in Special Provision 3.01, PG&E may require hand or vacuum extraction methods within 5' either direction of their 12 and 16 inch diameter gas mains in Lampasas Avenue. It is anticipated this will apply only to the replacement of substandard sewer or water services that cross these high pressure gas mains. Additional Contractor costs associated with performing hand or vacuum extraction in lieu of standard mechanical excavation methods normally used to excavate service line trenches will be included in this item of work. Measurement shall be performed in the field along each service line trench where hand or vacuum extraction methods are required by the onsite PG&E representative. The Engineer and Contractor shall agree daily to the measured footage. No payment will be made for this item for any daily footage not approved by the Engineer.

The quantity shown in the Proposal for this item shall be considered approximate. No guarantee is made or implied that the quantity will not be reduced, increased, or deleted. If no service lateral hand excavation is required, then no payment will be made for this item.

Payment shall be made at the unit price bid per lineal foot of service lateral trench hand

excavation, based on the actual agreed to footage, which shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work necessary to complete this item in place.

Item No. 15 8-inch Water Main

This item shall consist of furnishing and installing water main pipe and fittings at the locations shown on the Plans, or as directed by the Engineer. 8-inch pipe shall be ductile iron pipe only. Material and placement shall meet the applicable requirements of Sections 10, 27, and 38 of the City Standard Specifications and these Special Provisions. Included shall be furnishing and installing elbows to change horizontal and/or vertical alignment of the proposed water main to avoid conflicts with existing underground utilities or to maintain proper depth of bury through vertical curves.

Also included, at no additional measurement or quantity shall be the transfer of all existing 1½-inch and smaller water services from the existing water main to the new water main for a complete and operable system. Service transfers shall include furnishing and installing a new saddle, corporation stop, service pipe, and associated fittings for each service. Contractor shall intercept the existing water service and connect it to the new corporation stop using copper pipe of the same size as the existing service. Unless otherwise directed, intercept and connect the existing service lateral as close as practicable to the new water main.

Contractor shall assume and be solely responsible for performance of all locating and marking functions under the Underground Service Alert law (Calif. Government Code § 4216 and following) for all City water mains and related subsurface facilities (valves, tees, hydrant leads, etc.), on which the Contractor is performing any work. Contractor also shall locate and mark all water service laterals, including new corporation stops. All locating and marking performed by Contractor shall be performed by a qualified person, as defined in Government Code § 4216, and shall be performed in accordance with all requirements of the Underground Service Alert law (Government Code § 4216 and following).

Payment shall be made at the unit price bid per lineal foot of 8-inch water main, based on the actual footage installed, which shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work necessary to complete this item in place, including trenching; reconnection of 1½-inch and smaller services to the new main; poly wrap; plus pavement cutting and surface restoration.

Item No. 16 4-inch Water Service to Transfer

Item No. 17 Fire Hydrant Lead to Transfer

These items shall consist of furnishing and installing necessary fittings in the new main prior to pressure testing and disinfection, plus installing piping and all other items necessary to connect the existing services to the new main, for a complete and operable system. This bid item includes fire hydrant leads for hydrants to remain, and irrigation 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 angled fittings of 45 degrees or less.

Included shall be 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.

Materials and placement shall meet the applicable requirements of Sections 10, 27, and 38 of the Standard Specifications and these Special Provisions. Existing service shall not be disrupted until the new water main is connected and operable.

Payment shall be made at the respective lump sum prices bid, based on the actual number installed, which shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work necessary to complete these items in place, including trenching, service reconnection to the new main; plus pavement cutting and surface restoration.

Item No. 18 Replacement Fire Hydrant

This item shall consist of furnishing and installing a new standard 8-inch fire hydrant at the location indicated on the Plans. Work shall include removal of the existing hydrant and valve shown to be removed, and plugging the end of the existing hydrant lead to be abandoned with two feet (2') of Class "C" or Class "D" Portland cement concrete. The standard fire hydrant shall be installed in accordance with Standard Drawing W-201 and Sections 10, 27, and 38 of the Standard Specifications, and these Special Provisions. The new fire hydrant lead and valve shall be installed and paid for under separate items.

Contractor shall place a blue stake at the proposed new location. Door hangers, as shown in Appendix B, shall be placed on the homeowner's door explaining the new 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.

Contractor shall deliver each removed hydrant to the Corporation Yard, 5730 24th Street, Bldg. 9. All pipe and valves removed shall become the property of the Contractor and shall be disposed of away from the project site. Removal of the existing hydrant shall not begin until the new water main is in operation.

Payment shall made be at the contract unit price bid for each replacement fire hydrant, based on the actual number 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, trenching, and surface restoration.

Item No. 19 4-Inch Diameter Gate Valve

Item No. 20 8-Inch Diameter Gate Valve

These items 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 Standard Specifications and these Special Provisions.

Payment shall be made at the respective unit prices bid, based on the actual number installed, which shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work necessary to complete these items in place, including trenching, pavement cutting, and surface restoration.

Item No. 21 Connection to Existing Water Distribution System

This item shall consist of connecting the new 8-inch water main to the existing water distribution system as shown on the Plans. Include plugging all ends of the existing 6-inch water main to be abandoned, and removing all appurtenances associated with existing valves no longer required including the valve risers and the valve boxes. This one item includes both end connections of the new water main. Work shall be in accordance with Section 27-14 of the Standard Specifications, and these Special Provisions.

Contractor shall expose tie-in locations to locate existing water mains prior to installing new water main to determine elevations, confirm material types, and to layout the work so as to minimize the required number of fittings. Contractor shall furnish and install all fittings, restraints, and new pipe as necessary to connect mains. When cutting into an existing main, up to 15 feet of new pipe may be required for each tie-in. Contractor shall use maximum 45 degree elbows to match existing pipe elevations, which shall be installed in accordance with Standard Specifications Drawing W-103.

At all locations where a water main is to be abandoned, expose the main for Engineer's approval of cut location. Remove existing pipe to be abandoned such that no protrusions remain on the live main to remain. Unless otherwise directed or approved, plug cut ends of pipe to be abandoned with pressure rated end caps or a two foot long plug of concrete inserted into the abandoned pipe.

Payment shall be made at the contract lump sum price bid for connecting the new water main to the existing water distribution system as shown, which 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 trenching, pavement cutting, plugging abandoned pipe ends, removal of valves no longer required, and all surface restoration.

Item No. 22 Replace Traffic Signal Detector Loops

This item shall consist of furnishing and installing all necessary equipment and materials to replace any intersection detector loops, detector hand holes, and/or conduit damaged during construction at 56th St. and either H and/or J streets. All work shall conform to the requirements of the current City Standard Specifications.

Payment shall be made at the 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. 23 Substandard Water Service

Substandard water services encountered during construction shall be removed and replaced in accordance with Sections 10, 27, and 38 of the Standard Specifications.

A water service shall be considered substandard if not made of copper tubing or if it does not have a minimum of twelve (12) inches of cover. Included in this item shall be the installation of a new curb stop and copper tubing of the same size as the existing service line. The new tubing shall extend from the new curb stop to the existing corporation stop. If the existing corporation stop cannot be reused through no fault of the Contractor, the work associated with installing a new corporation stop will be considered extra work and paid per Section 8 of the

Standard Specifications. New service boxes shall be installed for each new water service.

Contractor shall give twenty-four (24) hours advance notice to the residents and businesses before their water service is replaced. Maximum time for shutdown of any water service to any residence or business shall be four (4) hours.

The quantity of Substandard Water Services shown on the Proposal is for bidding purposes only. The exact number and location of existing Substandard Water Services to be replaced shall be determined in the field. The unit price paid will not be adjusted if the actual number of services replaced varies from the quantity shown. If no substandard water services are encountered, no payment will be made for this item.

Payment shall be made at the unit price bid to replace substandard water services, based on the actual number 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.

****END OF SPECIAL PROVISIONS****

PLANS

P:\M_Plan\City\0603\0603 56th St H to J Streets Sewer Replacement\14130603 3 SHEET.GI.dwg, 9/28/2015 2:21:42 PM

GENERAL NOTES

- ALL CONSTRUCTION SHALL CONFORM TO THE CITY OF SACRAMENTO STANDARD SPECIFICATIONS DATED JUNE 2007 AND THE SPECIAL PROVISIONS.
- THREE WORKING DAYS PRIOR TO PROJECT STAKING, THE CONTRACTOR SHALL SUBMIT TO THE RESIDENT ENGINEER A COMPLETED CONSTRUCTION STAKING REQUEST FORM.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR FURNISHING, INSTALLING AND MAINTAINING ALL WARNING SIGNS AND DEVICES NECESSARY TO SAFEGUARD THE GENERAL PUBLIC AND THE WORK, AND FOR PROVIDING PROPER AND SAFE ROUTING OF THE VEHICULAR AND PEDESTRIAN TRAFFIC DURING THE PERFORMANCE OF THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO WORKING HOURS. THE USE OF FLAGGERS, BARRICADES AND CONSTRUCTION SIGNING SHALL COMPLY WITH THE CURRENT EDITION OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.).
- THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (1-800-642-2444) TWO WORKING DAYS PRIOR TO COMMENCEMENT OF WORK. IN ACCORDANCE WITH ALL APPROPRIATE LAWS, INCLUDING BUT NOT LIMITED TO CALIFORNIA GOVERNMENT CODE 4216, CONTRACTOR SHALL TAKE THE PROPER CARE AND PROTECTION WHEN EXCAVATING NEAR AND LOCATING UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING WATER, SEWER AND/OR DRAINAGE FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL THE PROPOSED IMPROVEMENTS ARE PLACED AND FUNCTIONING.
- EXACT LIMITS OF PAVEMENT REMOVAL AND RECONSTRUCTION SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- DEMOLITION OF EXISTING IS TO BE LIMITED TO THE ITEMS SHOWN ON THE PLANS AND DESCRIBED IN THE SPECIAL PROVISIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE ALL EXISTING FEATURES DAMAGED BY HIS OPERATIONS, AT HIS EXPENSE.
- THE CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR PROTECTING EXISTING TREES. ANY TREE DAMAGED SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.
- AT THE TIME THE CONTRACT IS AWARDED, THE CONTRACTOR SHALL POSSESS A CLASS A LICENSE, OR A COMBINATION OF CLASSES REQUIRED BY THE CATEGORIES AND CLASSES OF WORK INCLUDED IN THIS CONTRACT.
- THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE DIVISION OF OCCUPATIONAL SAFETY & HEALTH (2424 ARDEN WAY SUITE 165, SACRAMENTO, CA PHONE 263-2800) PRIOR TO ANY TRENCHING EXCAVATION 5 FEET OR MORE IN DEPTH. A COPY OF THIS PERMIT SHALL BE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES.
- CALL PG&E 48 HOURS IN ADVANCE TO REQUEST "STANDBY" WHEN WORKING NEAR (WITHIN 5') OR CROSSING HIGH PRESSURE FEEDER GAS MAINS AS DESIGNATED ON THE PLANS OR IN THE FIELD. CONTACT PG&E BY CALLING 386-5153.
- ALL CURB, GUTTER AND SIDEWALK SHOWN TO BE REMOVED SHALL BE REMOVED TO THE NEAREST EXPANSION JOINT OR SCORE MARK. DAMAGE TO EXISTING CURB, GUTTER, AND SIDEWALK WHICH IS SHOWN ON THE PLANS TO REMAIN, SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING RECORD DRAWINGS FOR ALL UNDERGROUND WORK THROUGHOUT THE COURSE OF CONSTRUCTION. SUCH DRAWINGS SHALL RECORD THE LOCATION AND GRADE (CITY DATUM) OF ALL UNDERGROUND IMPROVEMENTS AND SHALL BE DELIVERED TO THE CITY PRIOR TO CONSIDERATION OF THE ACCEPTANCE OF WORK.
- THE CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR PRESERVING ALL EXISTING SURVEY MONUMENTS WHICH WILL BE DISTURBED OR REMOVED AS REQUIRED BY CONTRACTOR'S WORK. CONTRACTOR SHALL COORDINATE WITH ENGINEER/SURVEYOR PRIOR TO DISTURBANCE OF EXISTING MONUMENTS, AND SHALL RESET MONUMENTS OR PROVIDE PERMANENT WITNESS MONUMENTS AND FILE DOCUMENTATION WITH THE COUNTY SURVEYOR PURSUANT TO BUSINESS AND PROFESSIONS CODE SECTION 8771.
- REPLACEMENT OF LIVE SEWER SERVICES SHALL BE TO THE PROPERTY LINE. REPLACEMENT SEWER CLEANOUTS AND SERVICE DIAMETERS SHALL MATCH EXISTING, OR BE A MINIMUM OF 4 INCHES.
- WITHOUT EXCEPTION, ALL OPENING AND CLOSING OF VALVES ON EXISTING WATER MAINS SHALL BE EXECUTED BY UTILITIES DEPARTMENT CREWS ONLY.
- ALL TAPS INTO SEWER AND DRAIN MANHOLES SHALL BE CORE BORED WITH KOR-N-SEAL TAPS OR APPROVED EQUAL UNLESS OTHERWISE APPROVED BY THE ENGINEER.

TREE PRESERVATION NOTES:

- THE CONTRACTOR SHALL HIRE AN INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST (PROJECT ARBORIST) TO MONITOR AND ASSIST WITH TREE PRESERVATION EFFORTS.
- TREE TRUNKS AND BRANCHES SHALL BE PROTECTED FROM MECHANICAL DAMAGE BY EQUIPMENT OR OTHER CAUSE BY ANY MEANS NECESSARY.
- THE CONTRACTOR SHALL NOT ALLOW STORAGE OF FUELS, MATERIALS, EQUIPMENT, CONCRETE WASHOUT OR ANY OTHER DELETERIOUS ACTIVITIES WITHIN THE DRIPLINE OF ANY "PROTECTED TREE". A "PROTECTED TREE" IS ANY TREE WITHIN THE CITY RIGHT OF WAY OR A HERITAGE TREE. A HERITAGE TREE IS:
 - 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.
 - 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.
- WHERE ANY PRUNING IS REQUIRED, INCLUDING PRUNING FOR EQUIPMENT CLEARANCE, HEALTH OR OTHER REASONS, THE WORK SHALL BE DIRECTED AND MONITORED BY THE PROJECT ARBORIST.
- WHERE TREE ROOTS GREATER THAN TWO INCHES IN DIAMETER ARE ENCOUNTERED DURING TRENCHING, AND/OR EXCAVATION, WORK SHALL BE IMMEDIATELY HALTED UNTIL THE PROJECT ARBORIST DETERMINES THE EXTENT OF ROOT PRUNING NECESSARY OR OTHER ALTERNATE MEANS TO MINIMIZE DAMAGE TO THE TREE AND TO ALLOW THE WORK TO PROCEED. WHERE ANY ROOT PRUNING IS REQUIRED, THE WORK SHALL BE DIRECTED AND MONITORED BY THE PROJECT ARBORIST.
- THE PROJECT ARBORIST SHALL PROVIDE NOTICE TO THE CITY AND DOCUMENT SUCH WORK AS OUTLINED ABOVE. DOCUMENTATION SHALL BE PROVIDED TO THE CITY WITHIN 72 HOURS OF SUCH WORK BY CONTACTING URBAN FORESTRY PERSONNEL DIRECTLY OR AT URBANFORESTRY@CITYOF.SACRAMENTO.ORG.
- IN A CASE WHERE THE PROJECT ARBORIST DETERMINES THAT DIRECTION FROM CITY OFFICIALS IS NECESSARY, THE CITY SHALL BE NOTIFIED OF THE REQUEST AT LEAST 24 HOURS IN ADVANCE.
- DAMAGE TO PUBLIC TREES MAY BE SUBJECT TO PENALTIES UNDER SACRAMENTO CITY CODE 12.56 OR 12.64. CLAIMS FOR DAMAGE TO TREES ON PRIVATE PROPERTY MAY BE BROUGHT BY INDIVIDUAL PROPERTY OWNERS.

STANDARD ABBREVIATIONS

A.B. — AGGREGATE BASE	EL or ELEV. — ELEVATION	PI or P — POINT OF INTERSECTION
A.C. — ASPHALT CONCRETE	EMIR — ELECTRICAL METER	PL — PROPERTY LINE
APPROX. — APPROXIMATE	EP or EOP — EDGE OF PAVEMENT	PP — POWER POLE
AT&T — AT&T TELECOMMUNICATIONS	(E), EXIST. — EXISTING	PCC — PORTLAND CONCRETE
AVE. — AVENUE	FA — FIRE ALARM	(P), PROP. — PROPOSED
BC — BEGIN CURVE	FG — FINISHED GRADE	PVC — POLY VINYL CHLORIDE
BLDG — BUILDING	FH — FIRE HYDRANT	PEU — PEDESTAL
BOC — BACK OF CURB	FL or E — FLOW LINE	R or RT. — RADIUS OR RIGHT
CAB — CABINET	FM — FORCE MAIN	RCP — REINFORCED CONC. PIPE
C&S — CURB, GUTTER AND SIDEWALK	FO — FIBER OPTIC	S = — SLOPE EQUALS
CL or E — CENTER LINE	FOC — FACE OF CURB	SD — STORM DRAIN
CH — CHORD	G — GAS	SDMH — STORM DRAIN MANHOLE
CO — CLEANOUT	G.B. — GRADE BREAK	SDWK — SIDEWALK
CONC. — CONCRETE	G.MTR — GAS METER	SECT. — SECTION
CONST. — CONSTRUCT	G.V. — GATE VALVE	SHT. — SHEET
CTV — CABLE TV	JP — JOINT POLE	SS — SANITARY SEWER
CR LT. — CURVE RETURN LEFT	L — LENGTH EQUALS	SS SVC — SANITARY SEWER SERVICE
CS — COMBINED SEWER	LF — LINEAR FEET	STA — STATION
CSSS — CITY OF SACRAMENTO STANDARD SPECIFICATIONS	LT. or L — LEFT	STD. — STANDARD
CSMH — COMBINATION SEWER MH	MFG. — MANUFACTURER	T or TEL — TELEPHONE
D.B. — DITCH BOX	MH — MANHOLE	TOB — TOP OF BANK
DI — DROP INLET	MB — MAILBOX	TYP. — TYPICAL
DRWY — DRIVEWAY	MAX., MIN. — MAXIMUM, MINIMUM	W — WATER
DWG — DRAWING	No. — NUMBER	WKWY — WALKWAY
EC — END CURVE	N.T.S. — NOT TO SCALE	WV — WATER VALVE
	PB — PULL BOX	< or AP — ANGLE POINT



LOCATION MAPS

NO.	DESCRIPTION	DATE	BY

BENCH MARK	ELEV.	FIELD BOOK
DESCRIPTION:		
SEE PROJECT SHEETS		

SCALE:	ON ORIGINAL SCALE DRAWING ADJUST SCALED DIMENSIONS IF THIS DOES NOT SCALE AT 1"
H: N/A	
V: N/A	

CITY OF SACRAMENTO

IMPROVEMENT PLANS FOR

56th STREET SEWER REPLACEMENT

H STREET TO J STREET

GROVE/LAMPASAS AVE. SEWER REPLACEMENT

BAY DRIVE DITCH TO NORWOOD AVE.

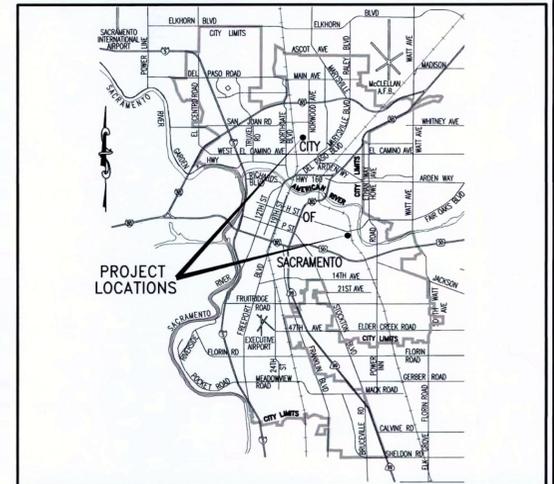
APPROVED BY: Brett C. Grant 9/28/15
 BRETT C. GRANT R.C.E. 58964 DATE
 SUPERVISING ENGINEER
 DEPARTMENT OF UTILITIES

APPROVED BY: Michelle J. Carrey 9/28/15
 MICHELLE J. CARREY R.C.E. 58722 DATE
 SUPERVISING ENGINEER
 DEPARTMENT OF UTILITIES

APPROVED BY: Jim Boyd 29 Sept 15
 JIM BOYD DATE
 INTERIM SEWER SUPERINTENDENT
 DEPARTMENT OF UTILITIES

INDEX OF SHEETS

- G-1 COVER SHEET
- C-1 56th STREET PLAN AND PROFILE - STA. 0+00 TO 5+25
- C-2 56th STREET PLAN AND PROFILE - STA. 5+25 TO 10+65
- C-3 GROVE/LAMPASAS AVE. PLAN AND PROFILE - STA. 0+50 TO 5+25
- C-4 GROVE/LAMPASAS AVE. PLAN AND PROFILE - STA. 5+25 TO 10+50
- C-5 GROVE/LAMPASAS PLAN AND PROFILE - STA. 10+50 TO 13+50
- W-1 56th STREET WATER PLAN



VICINITY MAP

LEGEND

EXISTING	PROPOSED
NO. 22 DRAIN INLET	■
TYPE B DROP INLET	■
MANHOLE	●
COMBINED SEWER MAIN	6" CS
SANITARY SEWER MAIN	6" SS
STORM DRAINAGE MAIN	6" SD
SEWER SERVICE W/CLEANOUT	SS SVC
WATER MAIN	24" W
WATER MAIN W/BLOW-OFF	○
WATER MAIN W/AIR RELEASE VALVE	▲
WATER MAIN W/BUTTERFLY VALVE	◆
STANDARD FIRE HYDRANT	●
WHARF FIRE HYDRANT	●
WATER SERVICE & METER BOX	WTR METER
WATER SERVICE & CURB STOP	—
WATER SERVICE & CORP STOP	—
BACKFLOW PREVENTER	—
CURB, GUTTER & SIDEWALK	—
CENTER LINE	—
RIGHT-OF-WAY	—
GAS MAIN & GAS VALVE	—
ELECTRICAL CONDUIT	—
POWER POLE W/GUY WIRE	—
TELEPHONE CONDUIT	—
CABLE BOX/POD	—
STREET LIGHT	—
ELEVATION	—
FENCE	—
BENCH MARK	—
SIGN	—
BOLLARD GATE POST OR POST	—
ADDRESS	—
PLUG OR CAP	—
PIPE TO ABANDON	—
PIPE TO REMOVE	—
BUILDING	—
RAILROAD	—
TREE OR BUSH	—

PN: X14130603 56th STREET SEWER REPLACEMENT H TO J STREET

NO.	DESCRIPTION	DATE	BY

BENCH MARK	ELEV.	FIELD BOOK
DESCRIPTION:		
SEE PROJECT SHEETS		

SCALE:

H: N/A

V: N/A

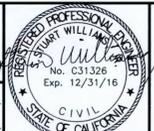
ON ORIGINAL SCALE DRAWING ADJUST SCALED DIMENSIONS IF THIS DOES NOT SCALE AT 1"

CITY OF SACRAMENTO
 DEPARTMENT OF UTILITIES

DRAWN BY: C. YEE
 DATE: 9-28-15

DESIGNED BY: S.S. WILLIAMS
 R.C.E. NO. 31326 DATE: 9-28-15

CHECKED BY: B. GRANT
 R.C.E. NO. C58964 DATE: 9-28-15



IMPROVEMENT PLANS FOR:

56th STREET & GROVE/LAMPASAS AVE.
 SEWER REPLACEMENT PROJECTS

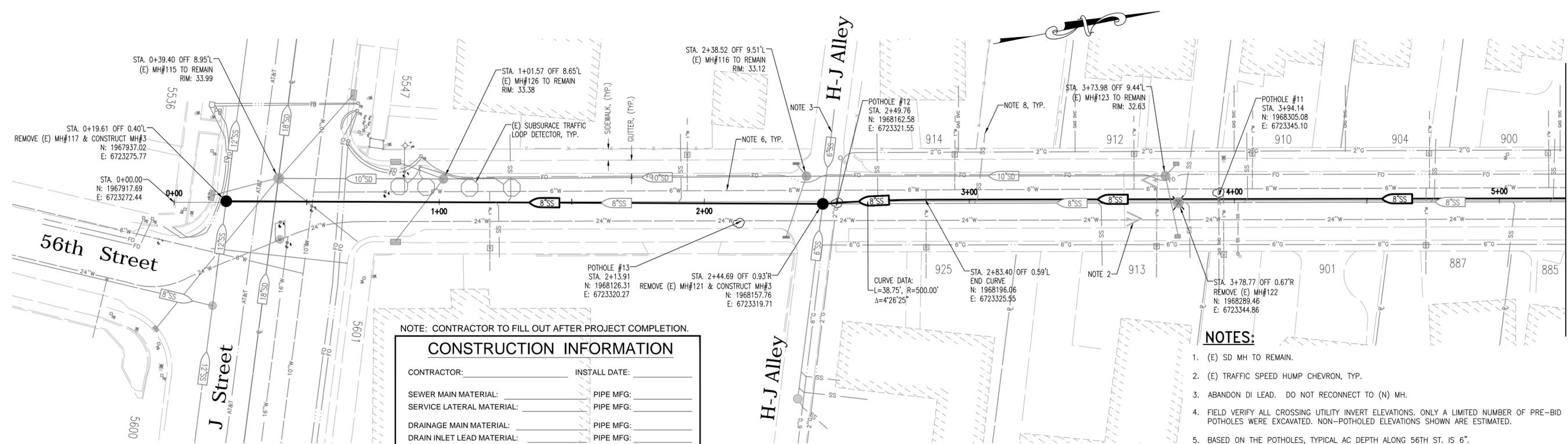
COVER SHEET

CIS GRID NO. W17-18, EEO2, FF20
 PN: X14130601/3

DWG. NO. G-1
 SHEET 1 OF 7

PN: X14130603 56TH ST & GROVE/LAMPASAS AVE. SEWER REPLACEMENT PROJECTS

P:\14130603\56th St Sewer Replacement\Drawings\56th St Sewer Replacement.dwg, 9/29/2015 9:13:18 AM



NOTE: CONTRACTOR TO FILL OUT AFTER PROJECT COMPLETION.

CONSTRUCTION INFORMATION

CONTRACTOR: _____ INSTALL DATE: _____

SEWER MAIN MATERIAL: _____ PIPE MFG: _____

SERVICE LATERAL MATERIAL: _____ PIPE MFG: _____

DRAINAGE MAIN MATERIAL: _____ PIPE MFG: _____

DRAIN INLET LEAD MATERIAL: _____ PIPE MFG: _____

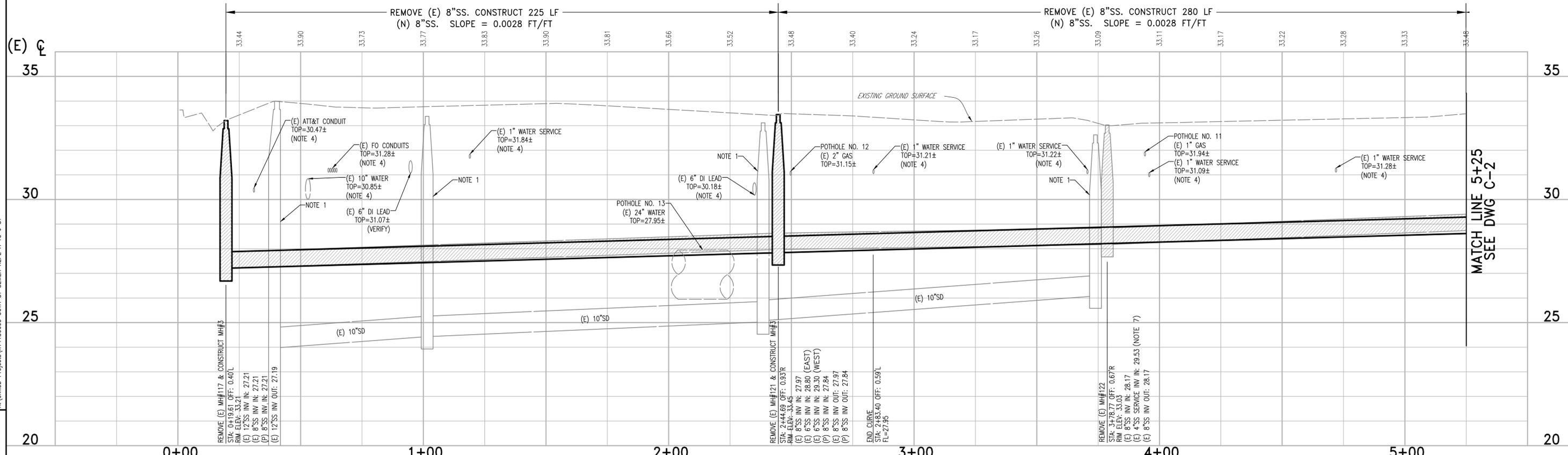
SEWER LATERAL LOCATIONS SUBMITTED

INFORMATION APPROVED BY (CONTR): _____

INFORMATION ACCEPTED BY (CITY): _____

- NOTES:**
- (E) SD MH TO REMAIN.
 - (E) TRAFFIC SPEED HUMP CHEVRON, TYP.
 - ABANDON DI LEAD. DO NOT RECONNECT TO (N) MH.
 - FIELD VERIFY ALL CROSSING UTILITY INVERT ELEVATIONS. ONLY A LIMITED NUMBER OF PRE-BID POTHOLES WERE EXCAVATED. NON-POTHOLED ELEVATIONS SHOWN ARE ESTIMATED.
 - BASED ON THE POTHOLES, TYPICAL AC DEPTH ALONG 56TH ST. IS 6".
 - REPLACE (E) 6" WATER WITH (N) 8" WATER. SEE DWG. W-1.
 - RE-CONNECT SERVICE TO (N) 8" SS.
 - SEWER SERVICE LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY ALL SEWER SERVICE LOCATIONS. REPLACE ALL NON-STANDARD LIVE SEWER SERVICES FROM MAIN TO NEW POINT OF SERVICE CLEANOUT LOCATED BEHIND THE BACK OF WALK. PLUG ALL DEAD OR ABANDONED SERVICES, TYP.

56TH STREET



PN: X14130603
X14130603 56th STREET SEWER REPLACEMENT H TO J STREET
R:\Civ\3D Projects\X14130603 56TH ST SEWER REPL H TO J ST

MATCH LINE 5+25
SEE DWG C-2

NO.	DESCRIPTION	DATE	BY

BENCH MARK	ELEV. 33.743
DESCRIPTION:	298-ASC
HILTI NAIL LIGHT BASE EAST SIDE ELVAS AVENUE AT G STREET. CENTERLINE AND ON RAMP OF J STREET OVERPASS.	

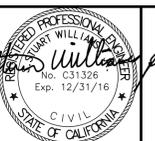
FIELD BOOK	1457
SCALE:	1"=20'
H:	1"=20'
V:	1"=2'

CITY OF SACRAMENTO
DEPARTMENT OF UTILITIES

ON ORIGINAL SCALE DRAWING ADJUST SCALED DIMENSIONS IF THIS DOES NOT SCALE AT 1"

DRAWN BY: C. YEE DESIGNED BY: S.S. WILLIAMS CHECKED BY: B. GRANT

DATE: 9-29-15 R.C.E. NO. 31326 DATE: 9-29-15 R.C.E. NO. C58964 DATE: 9-29-15



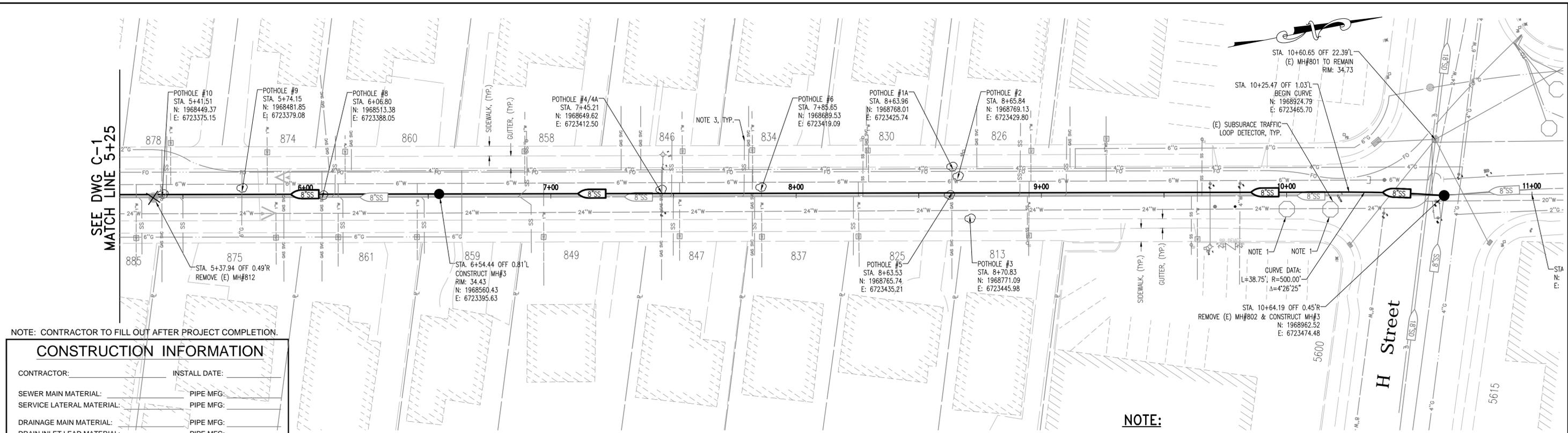
IMPROVEMENT PLANS FOR:

56th STREET & GROVE/LAMPASAS AVE.
SEWER REPLACEMENT PROJECTS
56th ST. PLAN & PROFILE STA. 0+00 TO 5+25

DWG. NO. **C-1**
SHEET **2** OF **7**

GIS GRID NO. W17-18, EE20, FF20
PN: X14130603

P:\DWG\2013\14130603\14130603_56th St Sewer Replacement.dwg 02/27/2013 9:26:51 AM



NOTE: CONTRACTOR TO FILL OUT AFTER PROJECT COMPLETION.

CONSTRUCTION INFORMATION

CONTRACTOR: _____ INSTALL DATE: _____

SEWER MAIN MATERIAL: _____ PIPE MFG: _____

SERVICE LATERAL MATERIAL: _____ PIPE MFG: _____

DRAINAGE MAIN MATERIAL: _____ PIPE MFG: _____

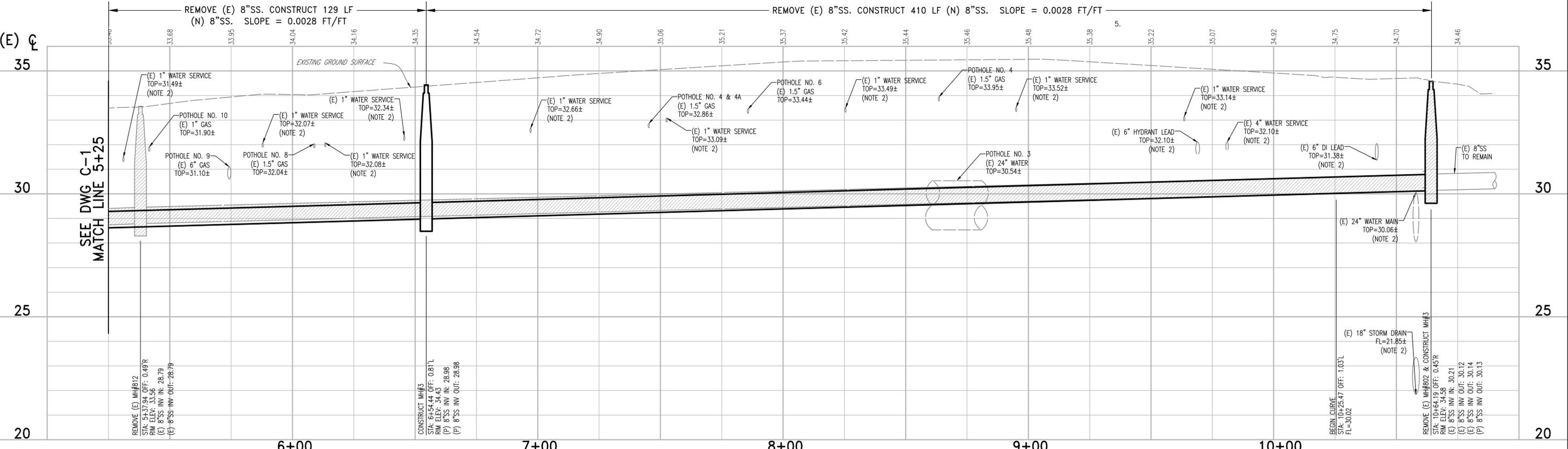
DRAIN INLET LEAD MATERIAL: _____ PIPE MFG: _____

SEWER LATERAL LOCATIONS SUBMITTED

INFORMATION APPROVED BY (CONTR): _____

INFORMATION ACCEPTED BY (CITY): _____

- NOTE:**
- (E) SUBSURFACE TRAFFIC LOOP DETECTOR.
 - FIELD VERIFY ALL CROSSING UTILITY INVERT ELEVATIONS. ONLY A LIMITED NUMBER OF PRE-BID POTHOLES WERE EXCAVATED. NON-POTHOLED ELEVATIONS SHOWN ARE ESTIMATED.
 - SEE NOTE 8 ON DWG. C-1, TYP.



PN: X14130603
X14130603 56th STREET SEWER REPLACEMENT H TO J STREET
R:\Civ\3D Projects\X14130603 56TH ST SEWER REPL H TO J ST

REVISIONS			
NO.	DESCRIPTION	DATE	BY

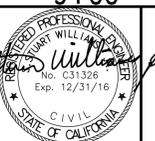
BENCH MARK
DESCRIPTION: 298-ASC ELEV. 33.743
HILTI NAIL LIGHT BASE EAST SIDE ELVAS AVENUE AT G STREET. CENTERLINE AND ON RAMP OF J STREET OVERPASS.

FIELD BOOK
1457
SCALE:
H: 1"=20'
V: 1"=2'

CITY OF SACRAMENTO
DEPARTMENT OF UTILITIES

ON ORIGINAL SCALE DRAWING ADJUST SCALED DIMENSIONS IF THIS DOES NOT SCALE AT 1"

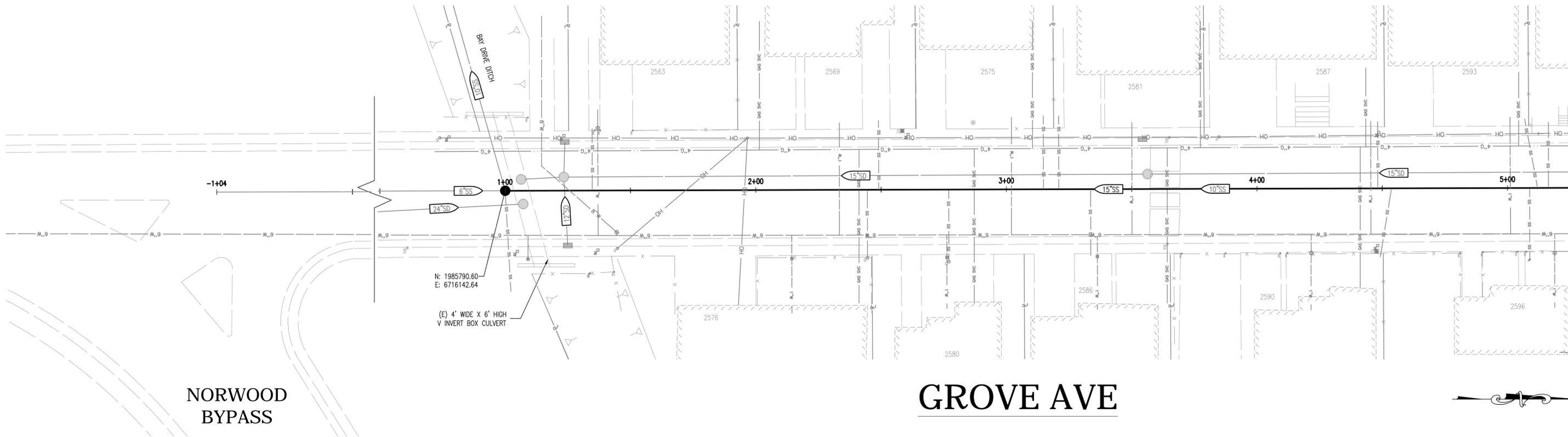
DRAWN BY: C. YEE DATE: 9-29-15
DESIGNED BY: S.S. WILLIAMS R.C.E. NO. 31326 DATE: 9-29-15
CHECKED BY: B. GRANT R.C.E. NO. C58964 DATE: 9-29-15



IMPROVEMENT PLANS FOR:
56th STREET & GROVE/LAMPASAS AVE.
SEWER REPLACEMENT PROJECTS
56th ST. PLAN & PROFILE STA. 5+25 TO 10+65

CIS GRID NO. W17-18, EEQ2, FF20
PN: X14130603
DWG. NO. C-2
SHEET 3 OF 7

PN: X14130603 56TH ST & GROVE/LAMPASAS AVE. SEWER REPLACEMENT PROJECTS

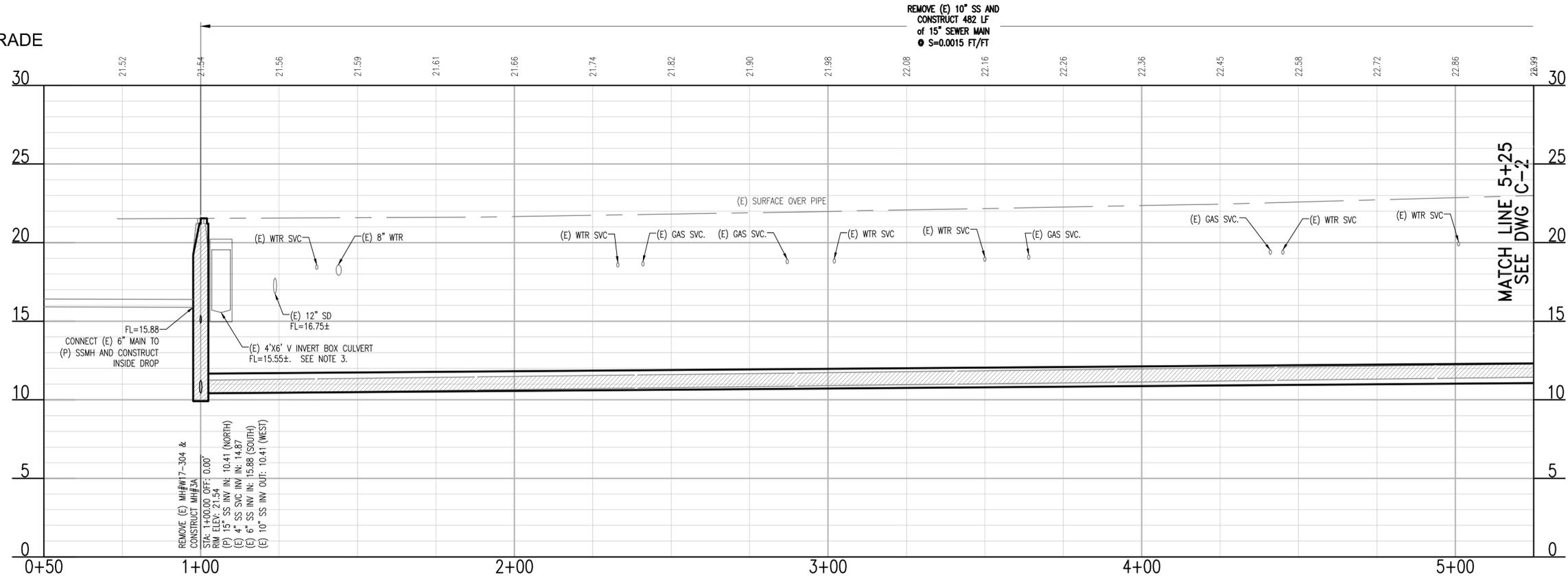


NORWOOD BYPASS

GROVE AVE

- Notes:**
- CONTRACTOR TO FIELD VERIFY ALL SEWER SERVICES. REPLACE ALL NONSTANDARD LIVE SEWER SERVICES FROM MAIN TO POINT OF SERVICE AND CONSTRUCT CLEANOUT PER STD DETAILS, TYP. ALL DEAD SERVICES SHALL BE PLUGGED. ALL SEWER SERVICE LOCATIONS ARE APPROXIMATE.
 - ALL EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY.
 - REMOVE (E) AND INSTALL (N) SS BY WORKING BENEATH (E) CULVERT. DO NOT CUT OR OTHERWISE DAMAGE THE EXISTING CULVERT, AND USE CLSM OR APPROVED EQUAL FOR TRENCH BACKFILL THIS AREA TO RESTORE FULL STRUCTURE SUPPORT.

(E) GRADE



NOTE: CONTRACTOR TO FILL OUT AFTER PROJECT COMPLETION.

CONSTRUCTION INFORMATION	
CONTRACTOR: _____	INSTALL DATE: _____
SEWER MAIN MATERIAL: _____	PIPE MFG: _____
SERVICE LATERAL MATERIAL: _____	PIPE MFG: _____
DRAINAGE MAIN MATERIAL: _____	PIPE MFG: _____
DRAIN INLET LEAD MATERIAL: _____	PIPE MFG: _____
<input type="checkbox"/> SEWER LATERAL LOCATIONS SUBMITTED	
INFORMATION APPROVED BY (CONTR): _____	
INFORMATION ACCEPTED BY (CITY): _____	

LAMPASAS AVE SEWER REPLACEMENT - GROVE AVE TO NORWOOD AVE
90% DESIGN
PN: X14130601

REVISIONS			
NO.	DESCRIPTION	DATE	BY

BENCH MARK	ELEV. 23.359'
DESCRIPTION: 277-G66	
RAMSET NAIL IN STREET LIGHT BASE NW CORNER LAMPASAS AVENUE AND GROVE AVENUE	

FIELD BOOK	1464
SCALE:	1"=20'
H:	1"=4'
V:	1"=4'

CITY OF SACRAMENTO DEPARTMENT OF UTILITIES		
DRAWN BY: M. REYES	DESIGNED BY: S.S. WILLIAMS	CHECKED BY: B. GRANT
DATE: 09/2015	R.C.E. NO. 31326 DATE: 09/2015	R.C.E. NO. 58964 DATE: 09/2015



IMPROVEMENT PLANS FOR:
56TH STREET & GROVE/LAMPASAS AVE
SEWER REPLACEMENT PROJECTS
GROVE AVE, PLAN & PROFILE - STA. 0+50 TO 5+25

CIS GRID NO. W17&W18	DWG. NO. C-13
PN: X14130601	SHEET 4 OF 7

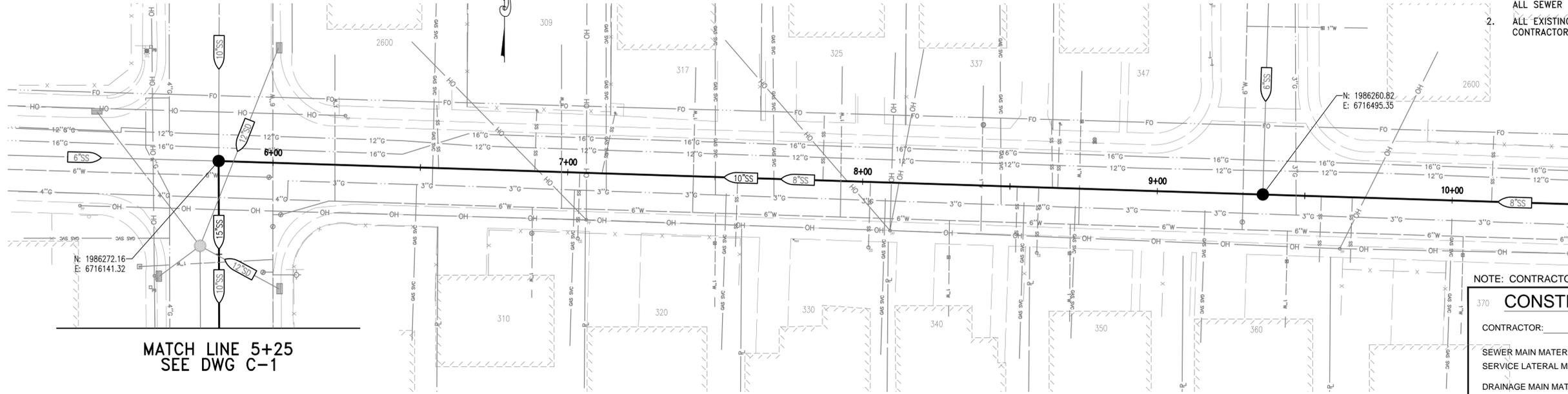
K:\GIS\Projects\14130601_Lamparas Sewer Replacm\Drawings\11071_Plan.dwg, 10/20/2015 10:45:40 AM

GROVE AVE

HAWTHORNE ST

Notes:

- CONTRACTOR TO FIELD VERIFY ALL SEWER SERVICES. REPLACE ALL NONSTANDARD LIVE SEWER SERVICES FROM MAIN TO POINT OF SERVICE AND CONSTRUCT CLEANOUT PER STD DETAILS, TYP. ALL DEAD SERVICES SHALL BE PLUGGED. ALL SEWER SERVICE LOCATIONS ARE APPROXIMATE.
- ALL EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY.



MATCH LINE 5+25
SEE DWG C-1

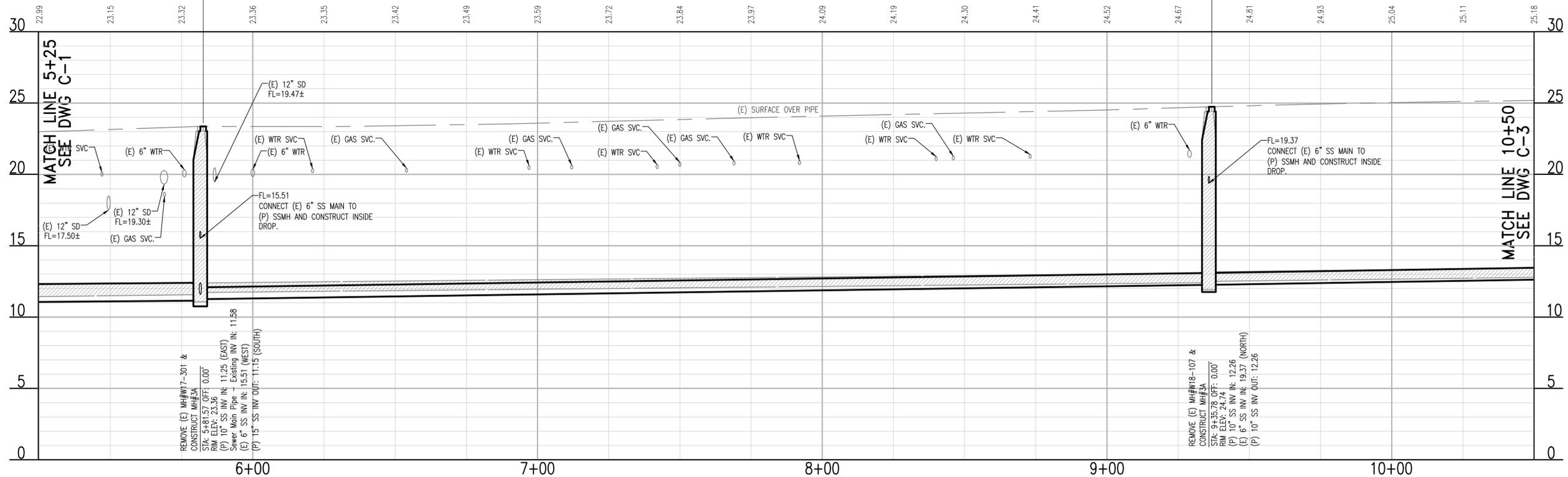
MATCH LINE 10+50
SEE DWG C-3

NOTE: CONTRACTOR TO FILL OUT AFTER PROJECT COMPLETION.

370 CONSTRUCTION INFORMATION	
CONTRACTOR: _____	INSTALL DATE: _____
SEWER MAIN MATERIAL: _____	PIPE MFG: _____
SERVICE LATERAL MATERIAL: _____	PIPE MFG: _____
DRAINAGE MAIN MATERIAL: _____	PIPE MFG: _____
DRAIN INLET LEAD MATERIAL: _____	PIPE MFG: _____
<input type="checkbox"/> SEWER LATERAL LOCATIONS SUBMITTED	
INFORMATION APPROVED BY (CONTR): _____	
INFORMATION ACCEPTED BY (CITY): _____	

LAMPASAS AVE

REMOVE (E) 8" SS AND
CONSTRUCT 354 LF
OF 10" SEWER MAIN
S=0.0029 FT/FT



MATCH LINE 5+25
SEE DWG C-1

MATCH LINE 10+50
SEE DWG C-3

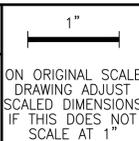
LAMPASAS AVE SEWER REPLACEMENT - GROVE AVE TO NORWOOD AVE
90% DESIGN

PN: X14130601

REVISIONS			
NO.	DESCRIPTION	DATE	BY

BENCH MARK	ELEV. 23.359'
DESCRIPTION: 277-G6G	
RAMSET NAIL IN STREET LIGHT BASE NW CORNER LAMPASAS AVENUE AND GROVE AVENUE	

FIELD BOOK	1464
SCALE:	ON ORIGINAL SCALE DRAWING ADJUST SCALED DIMENSIONS IF THIS DOES NOT SCALE AT 1"
H: 1"=20'	
V: 1"=4'	



CITY OF SACRAMENTO
DEPARTMENT OF UTILITIES

DESIGNED BY: S.S. WILLIAMS
R.C.E. NO. 31326 DATE: 09/2015

CHECKED BY: B. GRANT
R.C.E. NO. 58964 DATE: 09/2015

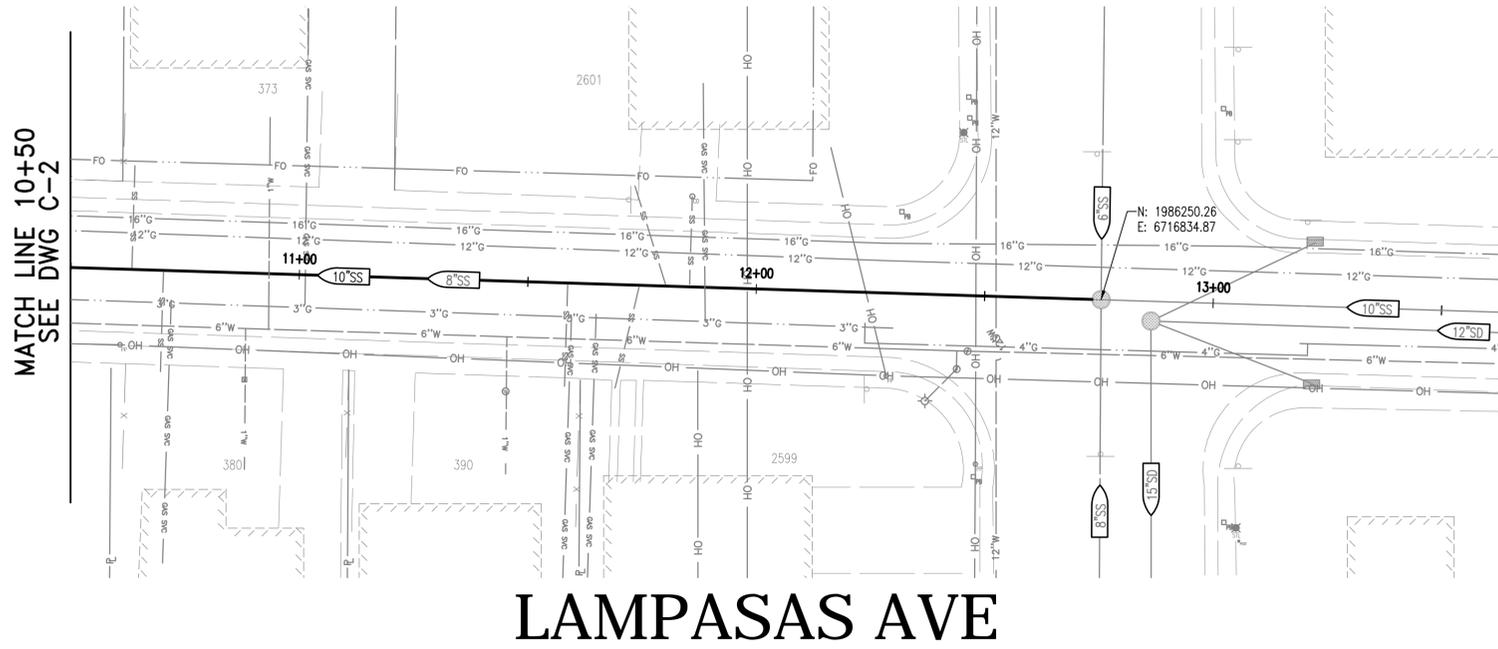
DRAWN BY: M. REYES
DATE: 09/2015



IMPROVEMENT PLANS FOR:
56TH STREET & GROVE/LAMPASAS AVE
SEWER REPLACEMENT PROJECTS
LAMPASAS, PLAN & PROFILE - STA. 5+25 TO 10+50

CIS GRID NO. W17&W18	DWG. NO. C-4
PN: X14130601	SHEET 5 OF 7

NORWOOD AVE



NOTE: CONTRACTOR TO FILL OUT AFTER PROJECT COMPLETION.

CONSTRUCTION INFORMATION

CONTRACTOR: _____ INSTALL DATE: _____

SEWER MAIN MATERIAL: _____ PIPE MFG: _____

SERVICE LATERAL MATERIAL: _____ PIPE MFG: _____

DRAINAGE MAIN MATERIAL: _____ PIPE MFG: _____

DRAIN INLET LEAD MATERIAL: _____ PIPE MFG: _____

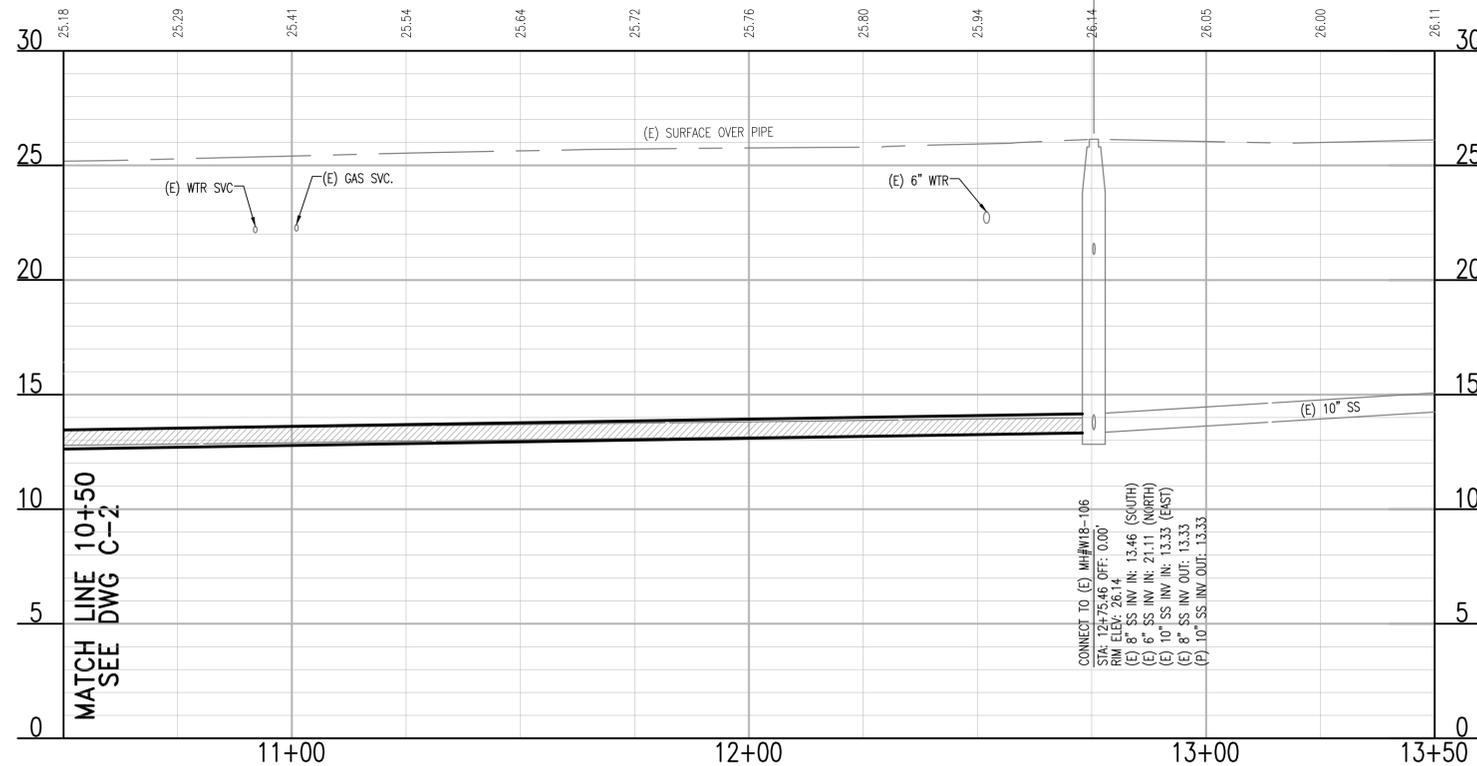
SEWER LATERAL LOCATIONS SUBMITTED

INFORMATION APPROVED BY (CONTR): _____

INFORMATION ACCEPTED BY (CITY): _____

LAMPASAS AVE

REMOVE (E) 8" SS AND
CONSTRUCT 340 LF
of 10" SEWER MAIN
S=-0.0032 FT/FT



Notes:

- CONTRACTOR TO FIELD VERIFY ALL SEWER SERVICES. REPLACE ALL NONSTANDARD LIVE SEWER SERVICES FROM MAIN TO POINT OF SERVICE AND CONSTRUCT CLEANOUT PER STD DETAILS, TYP. ALL DEAD SERVICES SHALL BE PLUGGED. ALL SEWER SERVICE LOCATIONS ARE APPROXIMATE.
- ALL EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY.

LAMPASAS AVE SEWER REPLACEMENT - GROVE AVE TO NORWOOD AVE
90% DESIGN

PN: X14130601

REVISIONS			
NO.	DESCRIPTION	DATE	BY

BENCH MARK	ELEV. 23.359'
DESCRIPTION: 277-G6G	
RAMSET NAIL IN STREET LIGHT BASE NW CORNER LAMPASAS AVENUE AND GROVE AVENUE	

FIELD BOOK	1464
SCALE:	
H: 1"=20'	
V: 1"=4'	

ON ORIGINAL SCALE
DRAWING ADJUST
SCALED DIMENSIONS
IF THIS DOES NOT
SCALE AT 1"

CITY OF SACRAMENTO DEPARTMENT OF UTILITIES	
DRAWN BY: M. REYES	DATE: 09/2015

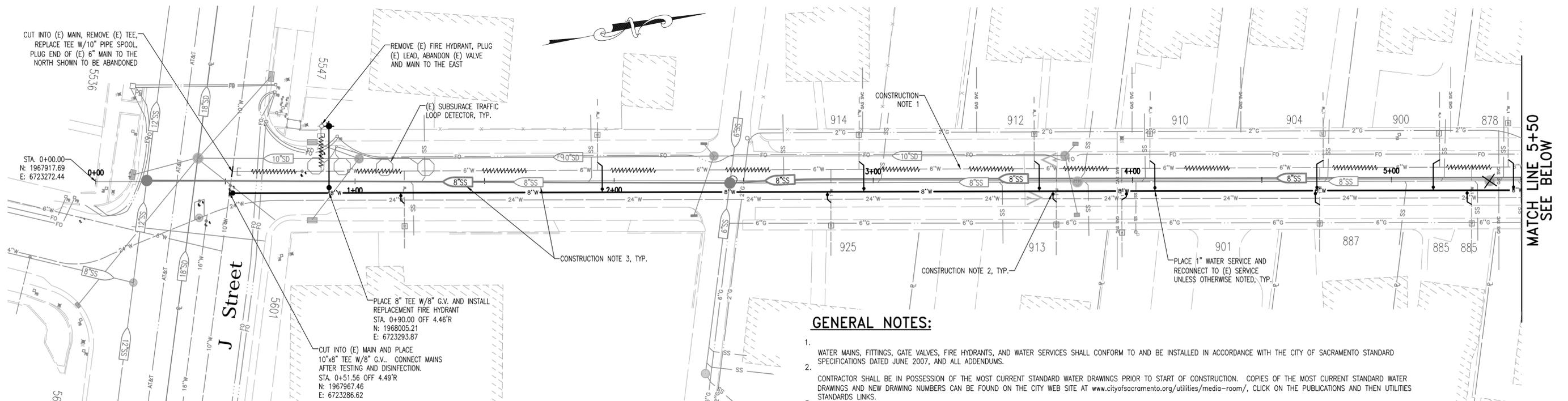
DESIGNED BY: S.S. WILLIAMS	R.C.E. NO. 31326	DATE: 09/2015
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CHECKED BY: B. GRANT	R.C.E. NO. 58964	DATE: 09/2015
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IMPROVEMENT PLANS FOR:
56TH STREET & GROVE/LAMPASAS AVE
SEWER REPLACEMENT PROJECTS
LAMPASAS, PLAN & PROFILE - STA. 10+50 TO 13+50

CIS GRID NO. W17&W18	DWG. NO. C-5
PN: X14130601	SHEET 6 OF 7



MATCH LINE 5+50
SEE BELOW

NOTE: CONTRACTOR TO FILL OUT AFTER PROJECT COMPLETION.

CONSTRUCTION INFORMATION	
CONTRACTOR: _____	INSTALL DATE: _____
SEWER MAIN MATERIAL: _____	PIPE MFG: _____
SERVICE LATERAL MATERIAL: _____	PIPE MFG: _____
DRAINAGE MAIN MATERIAL: _____	PIPE MFG: _____
DRAIN INLET LEAD MATERIAL: _____	PIPE MFG: _____
<input type="checkbox"/> SEWER LATERAL LOCATIONS SUBMITTED	
INFORMATION APPROVED BY (CONTR): _____	
INFORMATION ACCEPTED BY (CITY): _____	

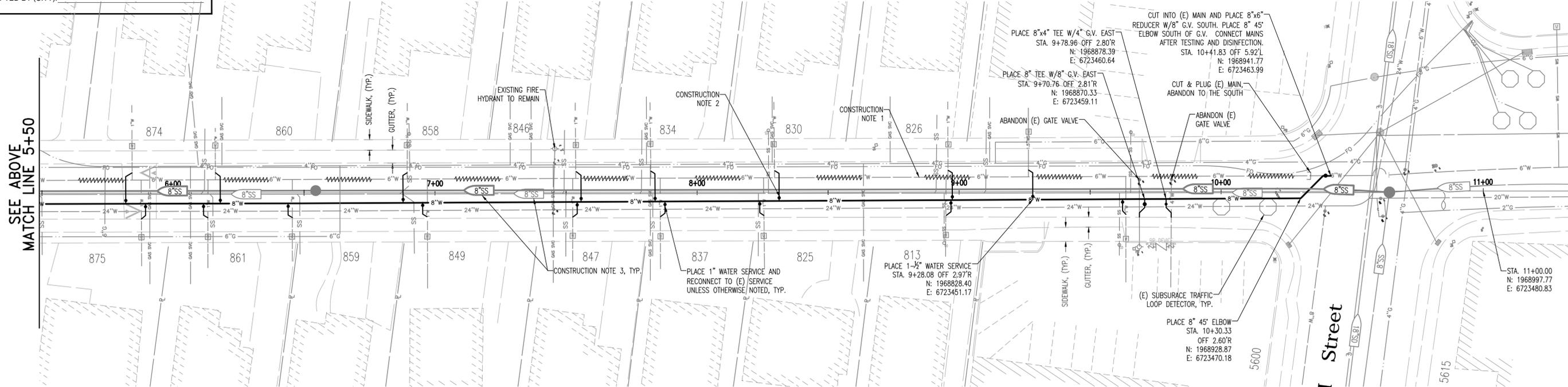
CONSTRUCTION NOTES:

- (E) WATER MAIN TO BE ABANDONED.
- RECONNECT EACH (E) WATER SERVICE TO (N) 8" D.I.P. WATER MAIN, TYP. ALL SERVICES.
- THE (E) & (N) 8"SS LINES ARE SHOWN CLOSE TO THE LAYOUT LINE THIS SHEET. IT IS ANTICIPATED CONTRACTOR WILL INSTALL (N) SS PRIOR TO INSTALLING THE (N) 8"W.

GENERAL NOTES:

- WATER MAINS, FITTINGS, GATE VALVES, FIRE HYDRANTS, AND WATER SERVICES SHALL CONFORM TO AND BE INSTALLED IN ACCORDANCE WITH THE CITY OF SACRAMENTO STANDARD SPECIFICATIONS DATED JUNE 2007, AND ALL ADDENDUMS.
- CONTRACTOR SHALL BE IN POSSESSION OF THE MOST CURRENT STANDARD WATER DRAWINGS PRIOR TO START OF CONSTRUCTION. COPIES OF THE MOST CURRENT STANDARD WATER DRAWINGS AND NEW DRAWING NUMBERS CAN BE FOUND ON THE CITY WEB SITE AT www.cityofsacramento.org/utilities/media-room/, CLICK ON THE PUBLICATIONS AND THEN UTILITIES STANDARDS LINKS.
- A SOLID NO. 10 COPPER WIRE INSULATED WITH HIGH MOLECULAR WEIGHT POLYETHYLENE (MHWPE) (BLUE COLOR ONLY) LOCATING WIRE SHALL BE PLACED WITH ALL PIPES FOR WATER DISTRIBUTION REGARDLESS OF MATERIAL TYPE. SEE CSSS DWG. NO. W-102.
- WATER SERVICE TAPS SHALL BE SEPARATED BY AT LEAST 36" CLEAR SEPARATION OF 36" SHALL BE MAINTAINED BETWEEN ALL FITTINGS, BELLS, SADDLES, ETC.
- CONTRACTOR SHALL SCHEDULE ALL REQUESTS FOR CITY INSTALLED WATER SYSTEM TIE-IN CONNECTIONS AT LEAST 14 WORKING DAYS IN ADVANCE.
- EXISTING WATER PIPE, VALVES, STANDPIPES, AND VALVE BOXES TO BE ABANDONED IN PLACE SHALL BE ABANDONED AS FOLLOWS: THE GATE VALVE SHALL BE LEFT IN THE CLOSED POSITION, AND THE STANDPIPE SHALL BE REMOVED AND VOID FILLED WITH CLASS 2 AGGREGATE BASE OR PEA GRAVEL. OPEN ENDS OF EXISTING PIPE TO BE ABANDONED IN PLACE SHALL BE SEALED WITH 2 FEET OF CONCRETE.
- WITHOUT EXCEPTION ALL OPENING AND CLOSING OF VALVES ON EXISTING WATER MAINS SHALL BE PERFORMED BY DEPARTMENT OF UTILITIES FIELD PERSONNEL.
- EXISTING CITY FIRE HYDRANTS REMOVED OR REPLACED BY THE CONTRACTOR SHALL BE RETURNED TO THE DEPARTMENT OF UTILITIES FIELD OFFICE AT 5730 24TH ST. BUILDING 9.
- REQUESTS FOR PUBLIC FIRE HYDRANT USE PERMITS FOR CONSTRUCTION PURPOSES SHALL BE APPLIED FOR AT THE DEPARTMENT OF UTILITIES CUSTOMER SERVICE SECTION, 1395 35TH AVENUE. FOR PERMIT INFORMATION, CALL (916) 808-5454.

56TH STREET



SEE ABOVE
MATCH LINE 5+50

56TH STREET

PN: X14130603
X14130603 56th STREET SEWER REPLACEMENT H TO J STREET
R:\Civil3D\Projects\14130603\56th St Sewer Repl H to J St

REVISIONS			
NO.	DESCRIPTION	DATE	BY

BENCH MARK	ELEV.	33.743
DESCRIPTION:	298-A5C	
HILT NAIL LIGHT BASE EAST SIDE ELVAS AVENUE AT G STREET, CENTERLINE AND ON RAMP OF J STREET OVERPASS.		

FIELD BOOK	1457
SCALE:	ON ORIGINAL SCALE DRAWING ADJUST SCALED DIMENSIONS IF THIS DOES NOT SCALE AT 1"
H:	1"=20'
V:	N/A

CITY OF SACRAMENTO					
DEPARTMENT OF UTILITIES					
DRAWN BY:	C. YEE	DESIGNED BY:	S.S. WILLIAMS	CHECKED BY:	B. GRANT
DATE:	9-29-15	R.C.E. NO.	31326	DATE:	9-29-15
		R.C.E. NO.	C58964	DATE:	9-29-15

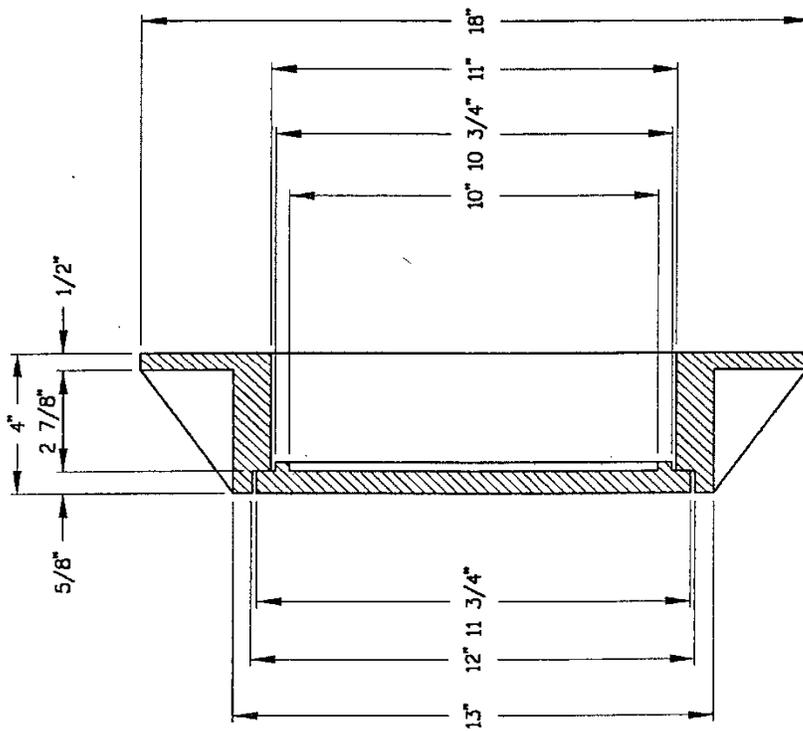


IMPROVEMENT PLANS FOR:	
56th STREET & GROVE/LAMPASAS AVE.	
SEWER REPLACEMENT PROJECTS	
56th ST. WATER PLAN	
WATER DWG. NO.	51-2680
CIS GRID NO.	W17-18_EE20_FF20
PN: X14130603	DWG. NO. W-1
	SHEET 7
	OF 7
	7

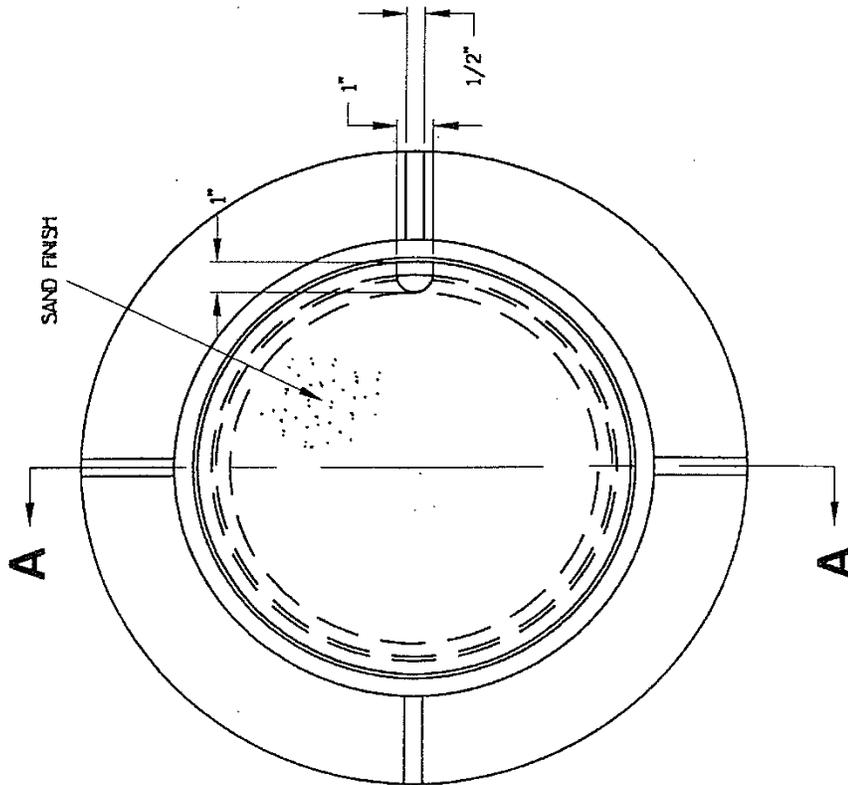
APPENDIX A

Miscellaneous Project Details

1. Cast Iron Cleanout Assembly Detail
2. Typical Sewer Service Cleanout Locations Detail S-265
3. ABS Sewer Service Detail S-260

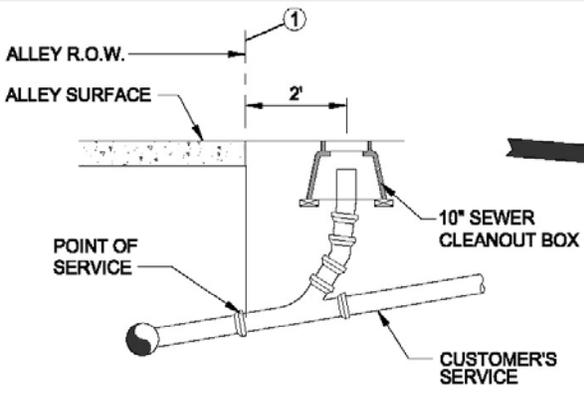


SECTION A-A

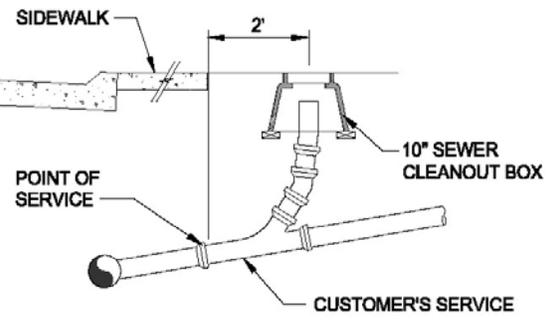


REVISION DATE: MAY 14, 1997
CITY OF SACRAMENTO
 DEPARTMENT OF UTILITIES
 APPROVED BY: R. BATHA NO SCALE
 DRAWN BY: B. GRANT DWG. NO.: A-1

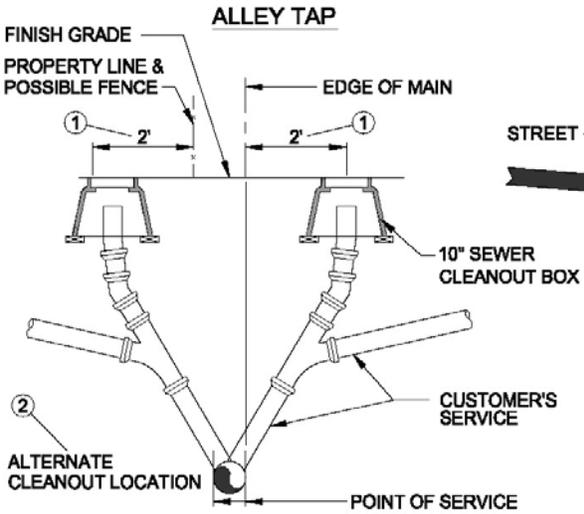
CAST IRON CLEANOUT ASSEMBLY



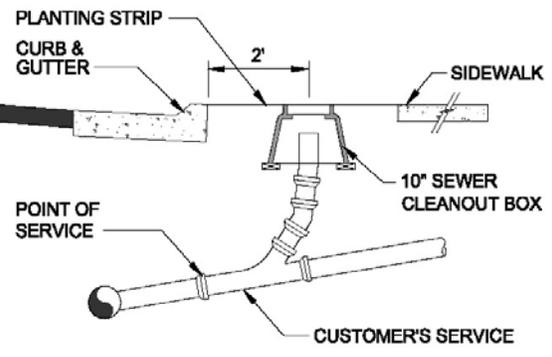
① IF BUILDING IS ON R.O.W. LINE, CONSTRUCT CLEANOUT WITHIN 2' OF FACE OF BUILDING. $\triangle 1$



STREET TAP WITH SIDEWALK

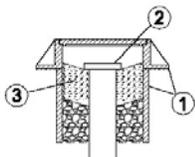


- ① WHEN APPLICABLE, ADJUST CLEANOUT LOCATION TO AVOID CONFLICT WATER MAIN. $\triangle 1$
- ② USE ALTERNATE CLEANOUT LOCATION WHEN MAIN IS LOCATED OUTSIDE PROPERTY LINE. $\triangle 1$



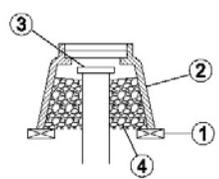
STREET TAP WITH PLANTING STRIP

EASEMENT TAP



- ① CAST-IRON CLEAN-OUT AND COLLAR ASSEMBLY
- ② 4" OR 6" DIA. MECHANICAL WING NUT PLUG, CHERNE INDUST., OR APPROVED EQUAL. (PROVIDE 3" CLEARANCE BETWEEN TOP OF CAP AND BOTTOM OF COVER)
- ③ GROUT 2" THICK MINIMUM, SLOPE TO TOP OF PIPE.

CAST-IRON CLEAN-OUT BOX



- ① PROVIDE 2" x 3" x 8" REDWOOD, PRESSURE TREATED OR MASONRY SUPPORT.
- ② 10" SEWER CLEAN-OUT BOX WITH LOCK BOLT FLUSH COVER (GREEN COLOR) CARSON IND. MODEL NO. 910-10 OR APPROVED EQUAL.
- ③ 4" OR 6" DIA. MECHANICAL WING NUT PLUG, CHERNE INDUST., OR APPROVED EQUAL. (PROVIDE 3" CLEARANCE BETWEEN TOP OF CAP AND BOTTOM OF COVER)
- ④ BACKFILL IN CONFORMANCE WITH SEC. 28 OF THE STD. SPECS.

CARSON BOX

NOTES:

- 1. CLEANOUTS LOCATED IN NON-TRAVELED WAY SHALL HAVE 10" SEWER CLEANOUT BOX WITH LOCK BOLT FLUSH COVER (GREEN COLORED). CARSON IND. MODEL No. 910-10 OR APPROVED EQUAL.
- 2. CLEANOUTS IN TRAVELED WAY SHALL HAVE CAST IRON CLEANOUT BOX AS SHOWN ABOVE. $\triangle 1$

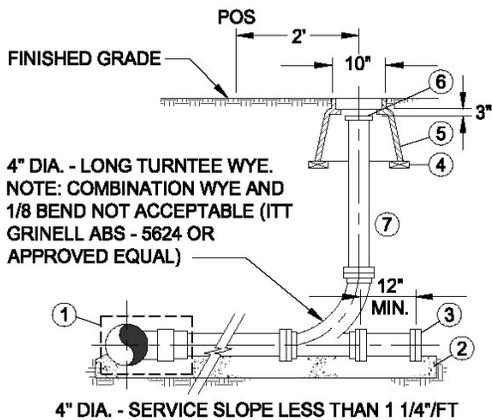
REV.	DATE	DESCRIPTION
$\triangle 1$	03-23-09	Noted
$\triangle 2$		
$\triangle 3$		

CITY OF SACRAMENTO
DEPARTMENT OF UTILITIES

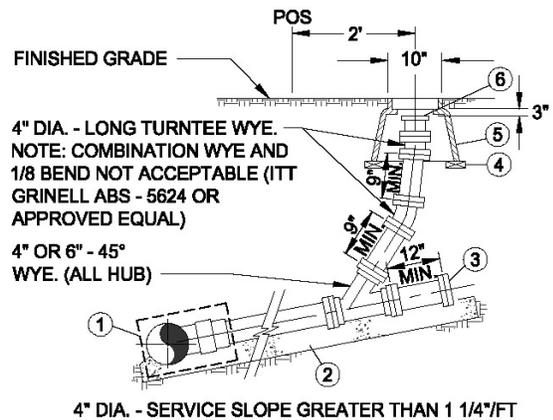
TYPICAL SEWER SERVICE
CLEANOUT LOCATIONS

APPR'D BY: *DOB* NO SCALE
DATE: MAY 2007 DWG. NO. S - 265

R:\Utilities\City_Stds_Details\Sewer_Drainage\S_265_TypSewer-Service.dwg

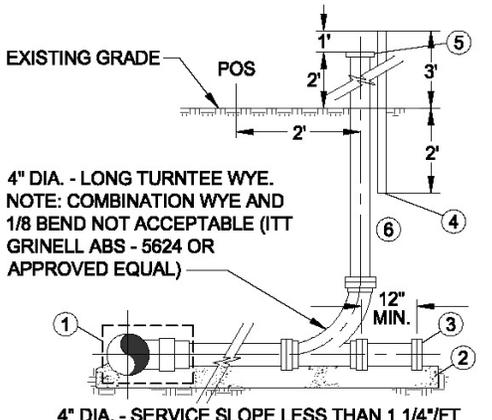


- 4" DIA. - LONG TURNTEE WYE.
NOTE: COMBINATION WYE AND 1/8 BEND NOT ACCEPTABLE (ITT GRINELL ABS - 5624 OR APPROVED EQUAL)
- 4" DIA. - SERVICE SLOPE LESS THAN 1 1/4%/FT
- ① SEE "CONNECTION DETAIL."
 - ② CRUSHED ROCK BEDDING; SEE STD. SPEC., SECTION 26.
 - ③ 4" OR 6" DIA. ABS SLIP CAP.
 - ④ PROVIDE 2" x 3" x 8" REDWOOD, PRESSURE TREATED OR MASONARY SUPPORT.
 - ⑤ 10" SEWER CLEAN-OUT BOX WITH LOCK BOLT FLUSH COVER (GREEN COLOR) CARSON IND. MODEL NO. 910-10 OR APPROVED EQUAL.
 - ⑥ 4" OR 6" DIA. MECHANICAL WING NUT PLUG, CHERNE INDUST., OR APPROVED EQUAL SECURE WITH A LOOSE FIT AND PEEN END OF BOLT OR OTHERWISE SCORE THREADS TO PREVENT REMOVAL OF WING NUT.
 - ⑦ BACKFILL IN CONFORMANCE WITH SEC. 26 OF THE STD. SPECS.

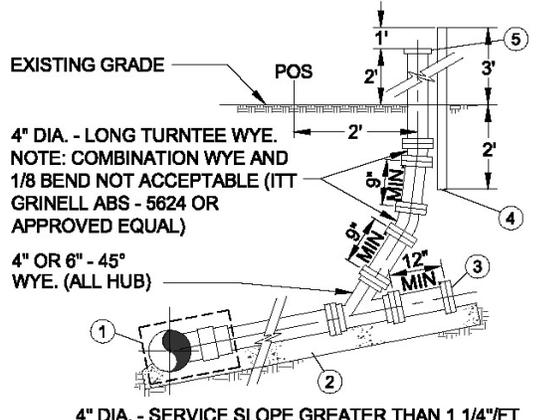


- 4" DIA. - LONG TURNTEE WYE.
NOTE: COMBINATION WYE AND 1/8 BEND NOT ACCEPTABLE (ITT GRINELL ABS - 5624 OR APPROVED EQUAL)
- 4" OR 6" - 45° WYE. (ALL HUB)
- 4" DIA. - SERVICE SLOPE GREATER THAN 1 1/4%/FT
6" DIA. - ALL SLOPES

A.B.S. SEWER SERVICE WITH CLEANOUT BOX

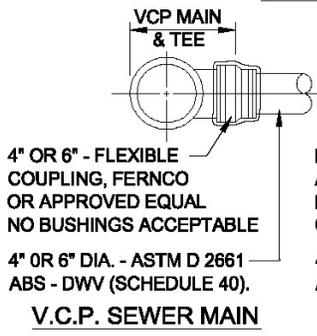


- 4" DIA. - LONG TURNTEE WYE.
NOTE: COMBINATION WYE AND 1/8 BEND NOT ACCEPTABLE (ITT GRINELL ABS - 5624 OR APPROVED EQUAL)
- 4" DIA. - SERVICE SLOPE LESS THAN 1 1/4%/FT
- ① SEE "CONNECTION DETAIL."
 - ② CRUSHED ROCK BEDDING; SEE STD. SPEC., SECTION 26
 - ③ 4" OR 6" DIA. ABS SLIP CAP.
 - ④ 2" x 4" x 5' REDWOOD OR APPROVED EQUAL PAINTED GREEN ON THE TOP 12".
 - ⑤ 4" OR 6" WELD-ON ABS OR APPROVED EQUAL CAP.
 - ⑥ BACKFILL IN CONFORMANCE WITH SEC. 26 OF THE STD. SPECS.



- 4" DIA. - LONG TURNTEE WYE.
NOTE: COMBINATION WYE AND 1/8 BEND NOT ACCEPTABLE (ITT GRINELL ABS - 5624 OR APPROVED EQUAL)
- 4" OR 6" - 45° WYE. (ALL HUB)
- 4" DIA. - SERVICE SLOPE GREATER THAN 1 1/4%/FT
6" DIA. - ALL SLOPES

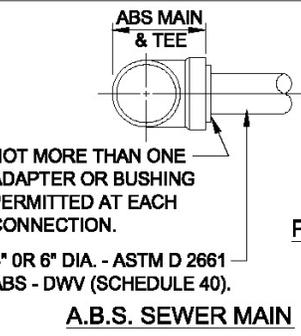
A.B.S. SEWER SERVICE WITHOUT CLEANOUT BOX



4" OR 6" - FLEXIBLE COUPLING, FERNCO OR APPROVED EQUAL
NO BUSHINGS ACCEPTABLE

4" OR 6" DIA. - ASTM D 2661
ABS - DWV (SCHEDULE 40).

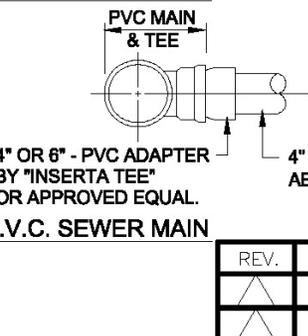
V.C.P. SEWER MAIN



NOT MORE THAN ONE ADAPTER OR BUSHING PERMITTED AT EACH CONNECTION.

4" OR 6" DIA. - ASTM D 2661
ABS - DWV (SCHEDULE 40).

A.B.S. SEWER MAIN



4" OR 6" - PVC ADAPTER BY "INSERTA TEE" OR APPROVED EQUAL.

4" OR 6" DIA. - ASTM D 2661
ABS - DWV (SCHEDULE 40).

P.V.C. SEWER MAIN

CONNECTION DETAIL

REV.	DATE	DESCRIPTION

CITY OF SACRAMENTO
DEPARTMENT OF UTILITIES

A.B.S. SEWER SERVICE

APPR'D BY: *DOB* NO SCALE
DATE: MAY 2007 DWG. NO. **S - 260**

R:\Utilities\City_Stds_Details\Sewer_Drainage\S_260_ABS_Sewer_Service.dwg

APPENDIX B

Sample Notification Letters

Constructing Sewer Main [Distribute 5 working days prior to beginning work]

(CONTRACTOR LETTER HEAD)

Dear Resident,

The City of Sacramento, Department of Utilities, awarded a construction contract to (Contractor) to replace the sewer pipeline add location here.

During the course of construction, a portion of the street will be closed to through traffic. In addition, if your garage, driveway, or parking area is accessed from the street, access may be temporarily restricted during the brief period that construction takes place in front of your driveway. At the end of each work day, the entire street will be re-opened. Our work hours are typically between 7 AM to 6 PM. In an effort to minimize driveway access delays, you may consider moving your vehicle before 7:00 a.m. when the construction crews begin work.

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 Inspection Supervisor: Name: Phone Number

City Project Manager: Name: Phone Number

Pipeline work is scheduled to begin in your neighborhood on _____.

Once the pipelines are constructed, we will restore the surface of the street. The anticipated project completion date is _____.

Thank you for your cooperation on this very important project.

Sincerely,

Contractor Representative

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

(CITY LETTER HEAD)

Dear Neighbor,

The City of Sacramento Department of Utilities awarded a construction contract to (Contractor) to replace the water distribution main and water services in your neighborhood. A new water main will be constructed in the street and water services will be constructed from the new main to each home. Also, new fire hydrants will be constructed to improve fire protection in your neighborhood.

During the course of construction, on street parking may be temporarily removed to accommodate traffic and construction work. You will always have access to your home; however, access to your driveway may be temporarily restricted when construction takes place in front of your house. At the end of each work day, trenches will be backfilled and temporary paving or steel plates will be placed over the trench and all lanes of traffic will be open. Typical working hours for this project will be 7 AM to 6 PM.

General public and construction crew safety is of primary concern to us and we encourage you to observe the construction signs. The City realizes this construction project may be a temporary inconvenience and we will strive to minimize the impacts to the residents.

During the course of the construction project, all employees that are contracted with the City of Sacramento Department of Utilities Water Meter Program will be required to wear and visibly display approved photo identification badges with an expiration date. The Contractor does not need access inside your home at any time to complete the work associated with this project. If asked to provide access inside your home, you should deny access and contact the City Inspector immediately at the phone number provided below.

If 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 Neighbor,

The City of Sacramento, Department of Utilities is conducting water main replacement project for your neighborhood. A Contractor may need to access your property to collect data to help the city determine pipe size and connection location. The Contractor may need to access your back yard as part of the data collection process. Please provide access to your backyard and make arrangements for any pets that may be a problem. **If special arrangements are required, please contact (Contractor Superintendent) at (phone number) or a project representative listed below.**

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. Contractor does not need access inside your home at any time to complete the work associated with this project. If asked to provide access inside your home, you should deny access and contact the City Inspector immediately at the phone number provided below.

If special arrangements are required, please contact (Contractor Superintendent) at (phone number) or a project representative listed below.

City Inspector: **Name: Phone Number**

City Project Manager: **Name: Phone Number**

Thank you for your cooperation on this very important project.

Transferring Water Services: [Distribute 24 hours prior to beginning work]

(CITY LETTER HEAD)

Dear Neighbor,

Your water service will be temporary shut-off tomorrow for a short period of time between the hours of 7:30 AM and 3:30 PM.

During the course of the construction project, all employees that are contracted with the City of Sacramento Department of Utilities Water Meter Program will be required to wear and visibly display approved photo identification badges with an expiration date. The Contractor does not need access inside your home at any time to complete the work associated with this project. If asked to provide access inside your home, you should deny access and contact the City Inspector immediately at the phone number provided below.

If special arrangements are required, please contact (Contractor Superintendent) at (phone number) or a project representative listed below.

In the event that the Contractor is not able to meet this schedule, you will be re-notified with an updated schedule.

City Inspector: Name: Phone Number

City Project Manager: Name: Phone Number

Thank you for your cooperation on this very important project.

Fire Hydrant Installation

(Distribute 7 working days prior to sawcutting street for new hydrant lateral)



IMPORTANT NOTICE ABOUT THE FIRE HYDRANT INSTALLATION FRONTING YOUR PROPERTY

Dear Neighbor,

The City of Sacramento Department of Utilities will soon begin the installation of new water mains, which includes the installation of new fire hydrants in your area. A new fire hydrant will be placed within the City right-of-way or easement fronting your property. The new hydrant location has been marked in the field for your reference.

The location of the proposed fire hydrant is based on a series of design criteria including meeting minimum spacing requirements to meet the Fire Code, avoiding obstructions and other utilities, and minimizing the impact to the neighborhood. Where possible, hydrants are placed at street intersections or near property lines to best serve the neighborhood. In order to maintain fire protection during construction, existing hydrants will remain in service until after the new water mains and fire hydrants are activated.

The City of Sacramento has previously notified the property owner, as well as the residents living at the property, regarding the fire hydrant placement and installation. Any concerns that have been informed to the City Project Manager have been discussed with the property owner and addressed when possible.

During construction of the new hydrant, you may experience temporary street closures or parking removal. If you have any questions or concerns, please contact the City Inspector or the City Project Manager.

City Inspector: Name & Phone No.

City Project Manager: Name & Phone No.

We appreciate your understanding as we work to improve water service to your neighborhood.

City of Sacramento, Department of Utilities
1395 35th Avenue, Sacramento, CA 95822
(916) 808-1400