

**CALIFORNIA INFRASTRUCTURE AND ECONOMIC DEVELOPMENT BANK (I-Bank)
 INFRASTRUCTURE STATE REVOLVING FUND (ISRF) PROGRAM**

MODIFICATION TO I-BANK FINANCING AGREEMENT

MODIFICATION REQUEST NO. 1

The City of San Bernardino Municipal Water Department submitted an Agreement Amendment Request To Add New Component(s) (Amendment Request) (Attachment 1) dated September 11, 2012, to add the System Wide Pipeline Replacement Project (New Component) to the Project. The new name of the project will be the Ogden 12MG Reservoir and System Wide Pipeline Replacement Project (New Project).

BACKGROUND

Borrower	City of San Bernardino Municipal Water Department (Department)
Project Name	Ogden 12 MG Reservoir Project (Project)
Original Use of Proceeds	Proceeds were used for construction, construction contingency, and the I-Bank fee.
I-Bank Board Approval Date	October 25, 2011
I-Bank Board Resolution No.	11-25
Agreement Type	Enterprise Fund Installment Sale Agreement (Agreement)
Original Agreement Effective Date	May 15, 2012
Original Financing Amount	\$10,000,000
Interest Rate	2.61%
Term	20 years
Original Disbursement Deadline	September 25, 2014
Total Principal Disbursements as of (Date)	none
First Interest Payment Date	2/1/2013
Total Interest Payments as of (Date)	None
First Principal Payment Date	8/1/2013
Total Principal Payment(s) as of (Date)	None
Payments Made as Agreed	NA
Last Fiscal Year Monitored	NA
In Compliance with Loan Agreement?	Too new for monitoring

Project Description

The Project consists of design, engineering, and construction of a new 12 million gallon (MG) reservoir, including site-work, piping, connections, access road, perimeter fence, control systems, security systems, and landscaping.

Prior Modifications and Amendments

None.

ANALYSIS OF PROPOSED MODIFICATION

The Project construction contract came in 30% lower than estimated at time of underwriting. To use the total loan amount, the Department requests a modification of the Project to add the New Component. The New Component consists of the construction of approximately 8,000 linear feet of 8" ductile iron pipeline, 760 linear feet of 6" ductile iron pipeline, 50 linear feet of 4" ductile iron pipe, a 6" automated control valve station, relocation and upgrade of 245 domestic, fire and landscape water services, and all associated work. All improvements will be contained within existing city streets.

The benefits of the New Component include replacing aging water infrastructure and improving fire flow rates to increase safety and to meet current standards.

The name of the Project with the New Component will be the Ogden 12MG Reservoir and System Wide Pipeline Replacement Project (New Project).

Project and Cost Eligibility

The following table illustrates the Project Sources and Uses:

Project Sources and Uses

Project Uses	Project Sources		
	I-Bank	SBMWD	Total
Construction & Contingency	\$ 9,915,000	\$ 485,000	\$ 10,400,000
Architectural/Engineering/Design/Permits/ Environmental/Construction Management		\$ 479,900	\$ 479,900
Contingency for Construction Management/Engineering/Architectural/Design		\$ 39,000	\$ 39,000
I-Bank Origination Fee	\$ 85,000		\$ 85,000
Total	\$ 10,000,000	\$ 1,003,900	\$ 11,003,900

The budget for the New Project is less than the budget for the Project; therefore, the Department's total contribution will be reduced from \$1,003,900 to \$437,001. The requested amendment requires revising the Project Sources and Uses table to reallocate funds on the Construction & Contingency and soft costs line items and to recognize the Department's reduced contribution.

To accommodate the reduction, the Department's contribution for Contingency for Construction Management/Engineering/Architectural/Design will be eliminated, soft costs reduced for the Department and increased for the I-Bank, and Construction & Contingency decreased for the Department and decreased for the I-Bank. The following table illustrates the amended Project Sources and Uses for the New Project:

New Project Sources and Uses

Project Uses	Project Sources		
	I-Bank	SBMWD	Total
Construction & Contingency	\$ 9,349,779	\$ 297,221	\$ 9,647,000
Architectural/Engineering/Design/Permits/ Environmental/Construction Management	\$ 565,221	\$ 139,780	\$ 705,001
I-Bank Origination Fee	\$ 85,000		\$ 85,000
Total	\$ 10,000,000	\$ 437,001	\$ 10,437,001

Preliminary costs do not exceed 20% of the loan amount.

Status of Project and Impact on Disbursement Schedule

The New Project is bid ready and the Department will select a new contractor once I-Bank financing is approved. The Department states that the New Component will be complete in September 2013. The disbursement deadline for the Project is September 25, 2014; therefore, no changes are necessary to the disbursement deadline.

Tax-Exempt Status

The New Project is eligible for tax-exempt financing under Federal law.

Loan Underwriting Criteria

The Borrower will utilize the contractor pre-qualification forms developed by the Department of Industrial Relations as set forth in AB 574 (Chapter 972 of the Statutes of 1999) codified in Public Contract Code Section 20101 et seq.

The New Project meets the loan underwriting criteria as set forth in the ISRF Program Criteria, Priorities, and Guidelines.

Other Funding Sources/Project Financial Feasibility

There are no Other Funding Sources for the New Project.

Compliance with Revenue Bonds Master Indenture

The Agreement is pledged to the Master Indenture for the ISRF Revenue Bonds. Section 302, Release, Addition and Amendment of Master Indenture Obligations, subsection (b) states that the I-Bank may, at its discretion, amend or waive the terms of the Master Indenture Agreements in any manner. As such, the proposed modification is allowed under the Master Indenture.

California Environmental Quality Act (CEQA)

The Department has submitted a recorded Notice of Categorical Exemption dated April 4, 2012 for the New Component.

LEGAL ISSUES

The Department provided Resolution No. 814 authorizing the submission of the Amendment Request for financing of the New Component and declaration of official intent to reimburse certain expenditures from proceeds of the obligation. Resolution No. 814 is attached as part of Attachment 1.

The Department states that there is no new or anticipated litigation and no contract disputes that will negatively impact the Department's repayment source.

The City of San Bernardino (City) filed a Chapter 9 bankruptcy petition on August 1, 2012. The Department does not appear to be part of the City's bankruptcy proceedings although a legal determination has not been made.

Legal Agreement Modifications

This modification request will result in a first amendment to the Agreement and includes:

1. Revising the project name to Ogden 12MG Reservoir and System Wide Pipeline Replacement Project.
2. Revising the project description.
3. Revising the sources and uses.

This modification request will not result in a change to the amortization schedule.

BORROWER'S AUTHORIZATION

Per Section 8.13 (b) of the Agreement (copied, in part, below), the General Manager has full authority to act on behalf of the Purchaser:

(b) The Purchaser Project manager shall be the General Manager or such other person as may be designated in writing by the Purchaser. The Purchaser Project manager shall be the Purchaser's representative for the administration of this Agreement and shall have full authority to act on behalf of the Purchaser. The General Manager or such other person as designated by the Purchaser's General Manager may designate in writing another person or persons authorized to request disbursement of Facility Funds. All communications given to the Purchaser Project manager shall be as binding as if given to the Purchaser.

The Department's Resolution No. 814 is consistent with the Agreement.

OTHER ISSUES

The New Component is bid-ready and the Department will request bids after it receives financing approval from the I-Bank for the New Project.

The Department has stated that when awarding the construction contract for the New Component it will use the Department of Industrial Relations Prequalification Questionnaire. The Department will submit a copy of the construction contract for the New Component once executed, as well as a copy of the builder's risk insurance policy, and the contractor's payment and performance bonds as required in the Agreement.

The Department has expertise in managing the construction of a water pipeline and will act as construction manager for the New Component.

APPROVAL AUTHORIZATION

Pursuant to Resolution 11-24 adopted by the I-Bank Board on September 27, 2011, the I-Bank's Executive Director has been delegated the authority to amend or modify financing documents associated with the ISRF Program Loans so long as such proposed amendment (A) is consistent with the intent of the Board resolution that approved the initial ISRF Program Loan; (B) is approved by counsel to the I-Bank and (C) does not involve any of the following: (1) any increase in the principal amount of the ISRF Program Loan; (2) any extension of the final maturity date; (3) any change in the security pledged to repay the ISRF Program Loan; (4) any change in the interest rate. The proposed modification recommended herein falls within the Executive Director's approval authority pursuant to Resolution 11-24.

STAFF RECOMMENDATION

Staff had determined that the Request is reasonable, is consistent with current ISRF Program Criteria, Priorities, and Guidelines, and recommends approval of the Amendment Request discussed herein.

ATTACHMENTS

Attachment 1 Amendment Request

Prepared
by:



John Belmont, Loan Officer

10/5/12
Date

see attached memo dated 10/16/12.

Reviewed
by:



Carlos Nakata, ISRF Program Manager

10/8/12
Date

Modified Amortization Schedule Approved, if applicable
Comments:

Reviewed
by:



Diane Cummings, ISRF Support Manager

10/8/12
Date

Modified Amortization Schedule Approved, if applicable
Comments:

Reviewed
by:



Tom Tengan, Sr. Staff Counsel

10/8/12
Date

Comments: *California Attorney General's Office has advised that the Department does not appear to be part of the City of San Bernardino's bankruptcy.*

Reviewed
for
Delegation
by:



Marilyn Munoz, General Counsel

10/8/12
Date

The modification request falls within the authority delegated to the Executive Director. I-Bank Board consideration and approval is not required.

The modification request does not fall within the delegated authority of the I-Bank Executive Director, and Board consideration and approval of the request is required.

Comments:

Reviewed
by:

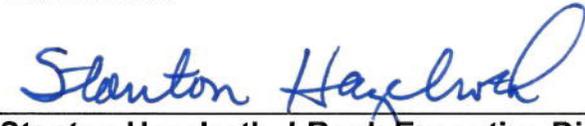


Roma Cristia-Plant, Asst. Executive Director

10/9/12
Date

Comments:

Approved
by:



Stanton Hazelroth, I-Bank Executive Director

10/8/12
Date

Comments:



CALIFORNIA INFRASTRUCTURE AND ECONOMIC DEVELOPMENT BANK

Memorandum

Date: 10/16/12

To: File

From: John Belmont

Thru: Carlos Nakata

Thru: Roma Cristia-Plant

Subject: Clarification to project description

On October 11, 2012, staff spoke with Matthew Litchfield, Water Utility Director for the San Bernardino Municipal Water Department (Department) to confirm ownership of pipelines and clarify the project description. On October 12, 2012, Mr. Litchfield sent an email (Attachment 1), regarding the following:

- Affirming that all facilities to be relocated, upgraded and installed will be owned and maintained by the Department in public right of way.
- All domestic meters/services are located within public right of way.
- Abandoned pipelines are pipelines that are not in use and will be replaced.

Attachment 1: Email Correspondence

From: Matt Litchfield [mailto:Litchfield_Ma@sbcity.org]
Sent: Monday, October 15, 2012 5:26 PM
To: Belmont, John
Cc: Nakata, Carlos
Subject: RE: SBMWD Modification Call

John,

See my responses below in red...thx and let me know if you need anything else...

Matthew H. Litchfield, P.E.
Director, Water Utility
Litchfield_ma@sbcity.org

From: Belmont, John [<mailto:John.Belmont@ibank.ca.gov>]
Sent: Friday, October 12, 2012 2:16 PM
To: Matt Litchfield
Cc: Nakata, Carlos
Subject: SBMWD Modification Call
Importance: High

Matt,

Thank you for your time yesterday to go over questions regarding the amendment request.

Could you please provide us an email response to the information we talked about, in particular the Department's ownership and public right of way information of the pipelines. Below are the points we discussed:

1. Affirmed that all the pipelines for the domestic, fire and landscape water services are all owned and maintained by the Department. **THIS IS CORRECT. ALL FACILITIES TO BE INSTALLED WILL BE OWNED AND MAINTAINED BY THE DEPARTMENT IN PUBLIC RIGHT OF WAY.**
2. "Domestic" means domestic meter connections which are all part of public right of way. **CORRECT. ALL DOMESTIC METERS/SERVICES ARE LOCATED WITHIN PUBLIC RIGHTS OF WAY.**
3. The term renewal means replacement. **CORRECT.**
4. Abandoned pipelines are pipelines that are not in use and will be replaced. The current pipelines are too small and need to be replaced with larger pipelines. The customers in the abandoned pipelines are serviced by other pipelines on other streets. **CORRECT.**

Regards,

John Belmont

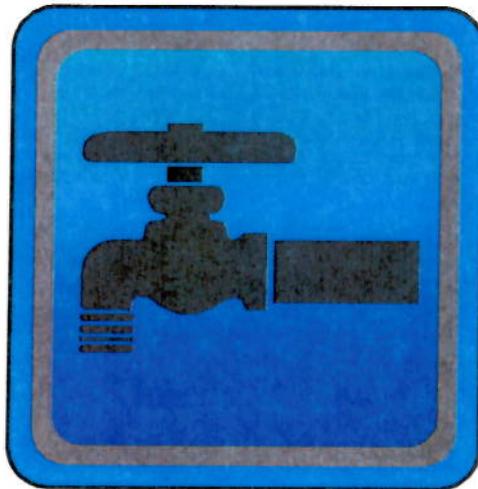
Municipal Finance Officer
California Infrastructure & Economic Development Bank
ISRF Support Unit
980 9th Street, Suite 900
Sacramento, CA 95814
Tel. (916) 323-1685
Fax (916) 319-7777
NEW EMAIL ADDRESS: john.belmont@ibank.ca.gov

**Attachment 1
Amendment Request**



CALIFORNIA INFRASTRUCTURE AND ECONOMIC DEVELOPMENT BANK

INFRASTRUCTURE STATE REVOLVING FUND PROGRAM



WATER/SEWER ENTERPRISE SYSTEM

Agreement Amendment Request ✓
To Add New Component(s)

**CALIFORNIA INFRASTRUCTURE AND ECONOMIC DEVELOPMENT BANK
(I-BANK)
Infrastructure State Revolving Fund (ISRF) Program
WATER/SEWER ENTERPRISE SYSTEM AGREEMENT AMENDMENT REQUEST
To Add New Component(s)**

PART I. BORROWER INFORMATION

1. Legal Name of Borrower:

City of San Bernardino Municipal Water Department ✓

PART II. LOAN INFORMATION

1. Approved Loan Amount: \$10,000,000.00 ✓
2. Loan Amount after New Component(s): \$10,000,000.00 ✓

PART III. PROJECT INFORMATION

1. Name of Project including New Component(s) [if different than originally approved, otherwise indicate "same"]:
Ogden 12 MG Reservoir and System Wide Pipeline Replacement Project ✓
2. Location/Address of New Component(s) [if different than originally approved, otherwise indicate "same"]:
See Attachment "A" ✓
3. Detailed description of New Component(s):
[References can be made to a detailed project description contained in either an environmental report or capital improvement plan or study.]
See Attachment "A" ✓
4. Amended Project Sources and Uses of Funds Table for Project with New Component(s).
Attach itemized cost estimates, bids, and/or construction contracts.
[Use Exhibit 1—Amended Sources and Uses of Funds Table with New Component(s). Label cost estimates, bid, and/or construction contracts as Exhibit 1a, 1b, 1c, etc.] ✓
5. Documentation of Other Project Funding Sources for New Component(s).
Attach evidence of commitment(s) from other funding sources for New Component(s), such as copies of resolutions, commitment letters, grant/loan agreements, etc.
[Label and attach as Exhibit 2—if multiple documents, label 2a, 2b, 2c, etc.]

6. Is land acquisition necessary for the New Component(s)?

No Yes—If yes, provide a description of the land acquired or to be acquired (who owns, address, assessor's parcel number, purchase date or expected purchased date, cost or estimate), and list the funding source for the land:

7. Will the Borrower use ISRF Program funds to pay any of its own employees or employees of other governmental agencies to construct the New Component(s), or to pay for administrative, engineering, environmental, or other expenses directly related to the construction of the New Component(s)?

No Yes—If yes, describe the staff and staff work to be or already provided, and the anticipated amount of reimbursement.

8. Amended Project Timeline with the New Component(s).

Provide amended project timeline with the New Component(s). Include specific milestones including, but not limited to, the preliminary engineering report, all required permits, design, environmental review, engineering, land/right-of-way acquisition, preparation of bid documents, awarding of construction contracts, construction start dates, construction completion dates, and operational date for each New Component(s).

[Label and attach as Exhibit 3.]

9. Provide a listing and status of all permits required to complete the New Component(s), including environmental, construction and operating permits.

PERMIT	ISSUER	STATUS	ANTICIPATED PERMIT DATE
City of San Bernardino Street Cut Permit	City of San Bernardino	Procured by Contractor	Post Construction Contract Award
City of San Bernardino Traffic Permit	City of San Bernardino	Procured by Contractor	Post Construction Contract Award

10. CEQA Compliance.

Describe each New Component(s) that requires a separate CEQA review and complete the following chart.

[Label and attach documents referenced in the footnotes as Exhibit 4—if multiple documents, label 4a, 4b, 4c, etc.]

Project Component ⁽¹⁾	Level Of Required Environmental Clearance	Status Of CEQA Compliance	Recorded NOD Submitted ⁽²⁾	Environmental Review Documents Submitted ⁽³⁾
✓ System Wide Pipeline Replacement Project	<input checked="" type="checkbox"/> Notice of Exemption <input type="checkbox"/> Negative Declaration <input type="checkbox"/> Environmental Impact Report (EIR) <input type="checkbox"/> Unknown	<input type="checkbox"/> Not Started/In Progress Expected date: _____ <input checked="" type="checkbox"/> Adopted/Approved	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
_____	<input type="checkbox"/> Notice of Exemption <input type="checkbox"/> Negative Declaration <input type="checkbox"/> Environmental Impact Report (EIR) <input type="checkbox"/> Unknown	<input type="checkbox"/> Not Started/In Progress Expected date: _____ <input type="checkbox"/> Adopted/Approved	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

(1) Submit a separate chart if more components.

(2) Provide a date stamped copy of the Notice of Determination filed with the local County Clerk's office.

(3) Provide a copy of the environmental review documentation, including any mitigation measures.

11. Tax Exempt Financing.

Will any entity, other than the Borrower or another state or local governmental entity, use or directly benefit from any portion of the New Component(s) other than as a member of the general public?

[For this purpose, "use" includes owning, leasing, managing, operating, acquiring the output of, obtaining a priority right or other special arrangement with respect to, or otherwise deriving a direct economic benefit from the New Component(s). Priority rights or special rates and charges anticipated for a particular user or group of users should also be explained.]

No Yes—If yes, describe:

[Empty text box]

12. Business Relocation.

Will the proposed New Component(s) facilitate the relocation of a private sector business from one area of the State to another?

No Yes—If yes, explain:

[Empty text box]

PART IV. LEGAL INFORMATION

1. Resolution.

Provide a resolution adopted by the governing body of the Borrower authorizing ISRF Program funding of the New Component(s), and, if applicable, the availability and commitment of Borrower funds to the New Component(s). [See sample resolution. Label and attach as Exhibit 5.]

2. Litigation.

Since the financing was originally approved, have there been any changes to pending or anticipated litigation and/or contractual disputes that may negatively impact the loan repayment source, or the ability of the Borrower to enter into or repay the ISRF Program loan?

No Yes—If yes, describe:

There is no new anticipated litigation or contract disputes that will negatively impact the borrower's (SBMWD) repayment source. The City of San Bernardino has begun the Chapter 9 bankruptcy process. The Water and Sewer Funds are restricted funds, in accordance with the California Constitution, Articles XIIC and XIID.

3. Describe any past, present, or potential issues or controversies (including litigation) that are associated with the New Component(s):

[Empty text box]

PART V. OTHER INFORMATION

Answer only if the New Component(s) will have a different administrative and/or management team.

1. Describe the Borrower's administrative and management ability to construct and operate the New Component(s):

Not Applicable.

PART VI. AUTHORIZATION

I acknowledge that:

- All information submitted to the California Infrastructure and Economic Development Bank is true and correct at the time of submission, and such information does not contain any untrue or misleading statement of a material fact, or omit to state any material fact necessary that would make the statements contained herein misleading.
- The information included with this Agreement Amendment Request is consistent with the Financing Application dated 8/16/11 in all substantive areas, except as otherwise noted herein.
- I agree to promptly provide the I-Bank any material change to the information contained herein prior to I-Bank approval of the New Component(s).

AUTHORIZED SIGNATURE	PRINT NAME AND TITLE	DATE
	Stacey R. Aldstadt, General Manager	9/11/12 ✓

Attachments:

- Agreement Amendment Request Checklist
- Attachment "A" – New Component(s) Description and Location
- Exhibit 1 – Amended Sources and Uses of Funds Table with New Component(s)
- Exhibit 1a – System Wide Pipeline Replacement Cost Estimate
- Exhibit 1b – Ogden 12 MG Reservoir Construction Contract
- Exhibit 1c – Ogden 12 MG Reservoir Construction Management Contract
- Exhibit 3 – Amended Project Timeline with New Component(s)
- Exhibit 4 – CEQA Documentation for New Component(s)
- Exhibit 5 – Adopted Resolution to add New Component(s)

**WATER/SEWER ENTERPRISE SYSTEM AGREEMENT AMENDMENT REQUEST
To Add New Component(s)**

AGREEMENT AMENDMENT REQUEST CHECKLIST

INCLUDED		AGREEMENT AMENDMENT REQUEST CONTENT
YES	NO	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	New Component(s) Agreement Amendment Request—Signed and Dated
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exhibit 1—Amended Sources and Uses of Funds Table with New Component(s) [Attach itemized cost estimates, bids, and/or construction contracts as Exhibits 1a, 1b, 1c, etc.]
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exhibit 2—Documentation of Other Project Funding Sources for New Component(s) [Attach other funding documentation as Exhibit 2—if multiple documents, label 2a, 2b, 2c, etc.]
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exhibit 3—Amended Project Timeline with New Component(s) [Attach as Exhibit 3]
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exhibit 4—CEQA Documentation for New Component(s) [Label and attach documents referenced in the footnotes as Exhibit 4—if multiple documents, label 4a, 4b, 4c, etc.]
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exhibit 5—Adopted Resolution to add New Component(s) [Label and attach as Exhibit 5.]

Attachment "A"
New Component(s) Description and Location

Project Title: System Wide Pipeline Replacement Project

Project Description: The Project is needed to replace aging water infrastructure, and to provide safety improvements by improving fire flow rates to meet current standards. The Project consists of the construction of approximately 8,000 linear feet of 8" ductile iron pipeline, 760 linear feet of 6" ductile iron pipeline, 50 linear feet of 4" ductile iron pipe, a 6" ACV (automated control valve) Station, relocation and renewal of 245 domestic, fire and landscape water services, and all associated work. All improvements will be contained within existing City streets.

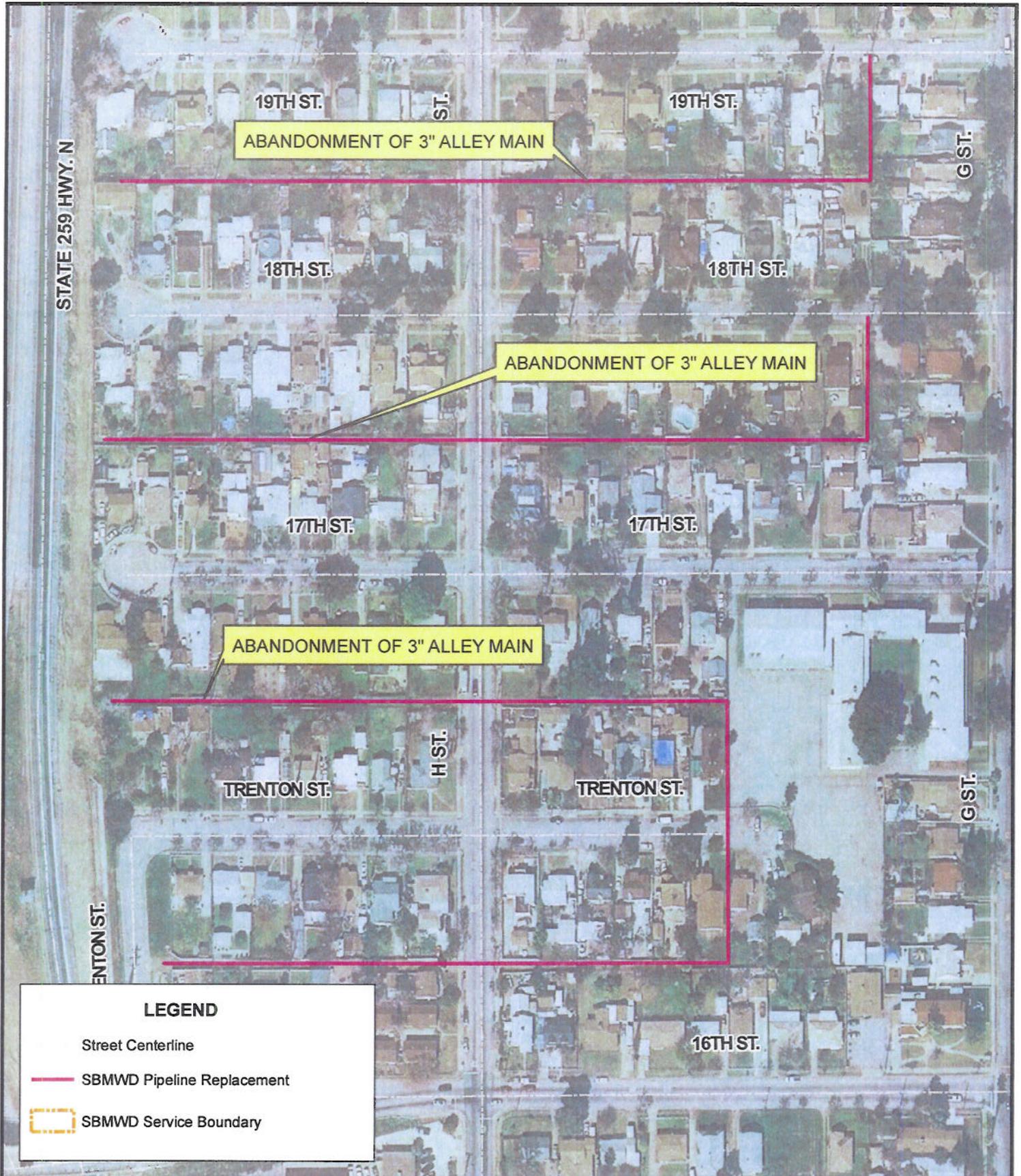
Project Location: The proposed Project is located in several areas throughout the City of San Bernardino. Pipeline construction/replacement locations include:

- Temple Street between "F" Street and "G" Street (680 LF of 8")
- Harrison Street between 26th Street and 27th Street (325 LF of 6")
- Mountain View Avenue between 48th Street and 49th Street (500 LF of 8")
- Trenton and "H" Streets (900 LF of 8")
- 18th and "G" Streets (850 LF of 8")
- Parkdale Drive between Valencia Avenue and San Gabriel Street (865 LF of 8")
- Pico Avenue between Goodlett Street and north of 21st Street (910 LF of 8")
- Herrington Avenue between Goodlett Street and Mount Vernon Avenue (790 LF of 8")
- 3rd Street west of Mount Vernon Avenue (375 LF of 6")
- Marshall Boulevard from "E" Street to "F" Street (750 LF of 8")
- Garner Avenue between 10th Street and Olive Street (340 LF of 8")
- Giovanola Avenue, between Rialto Avenue and Belleview Street (585 LF of 8")

Project locations and the extent of the new and abandoned pipelines are displayed in the following aerial maps.

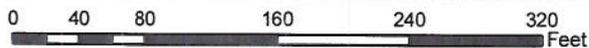


2011/2012 SYSTEM WIDE PIPELINE REPLACEMENT (PART 1) - 16TH - 19TH ST. 3" ALLEY MAIN ABANDONMENTS





2011/2012 SYSTEM WIDE PIPELINE REPLACEMENT (PART 1) - MOUNTAIN VIEW AVE





2011/2012 SYSTEM WIDE PIPELINE REPLACEMENT (PART 1) - 18TH STREET

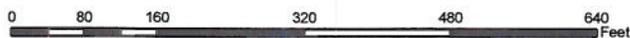


LEGEND

Street Centerline

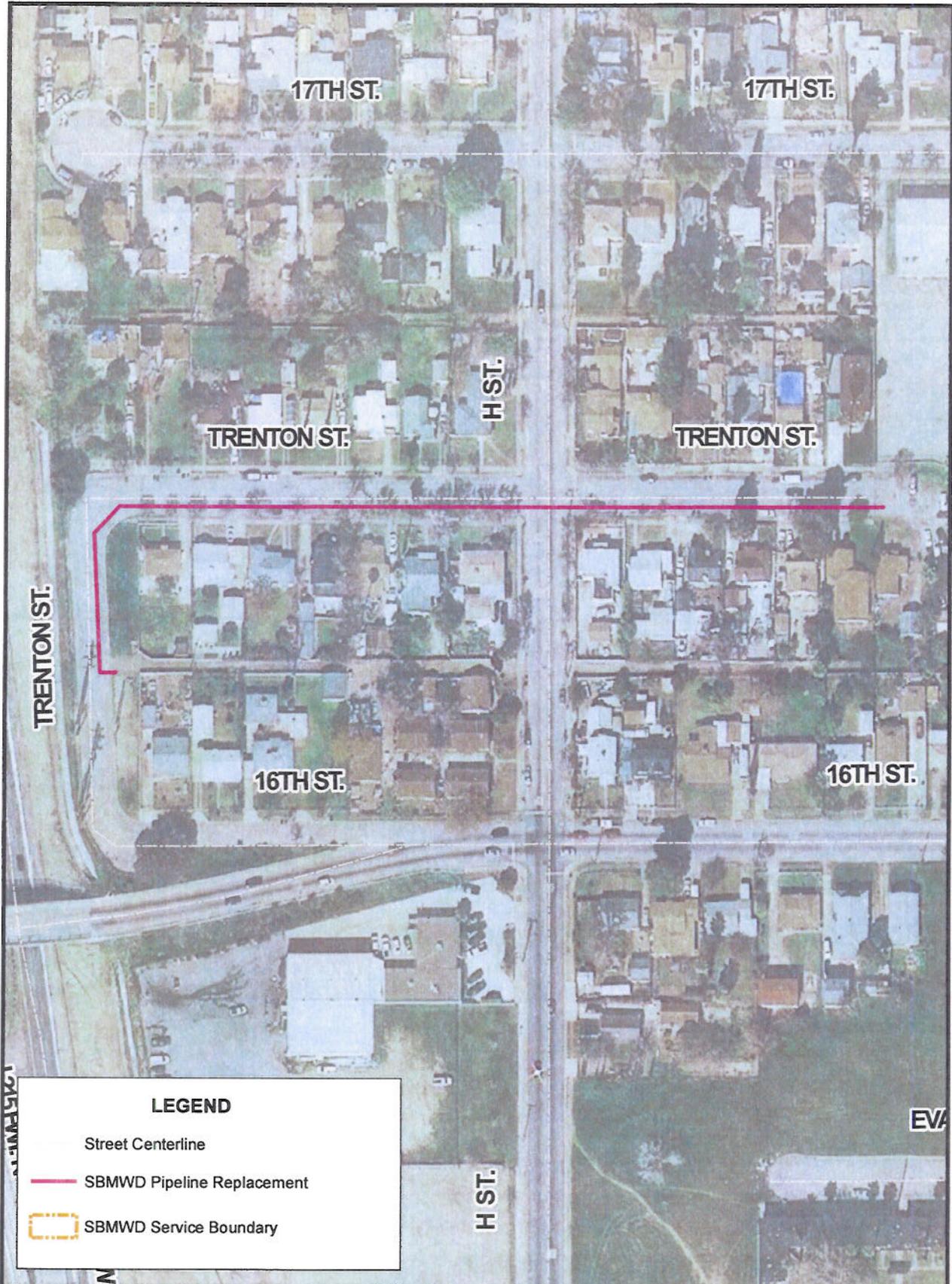
SBMWD Pipeline Replacement

SBMWD Service Boundary





2011/2012 SYSTEM WIDE PIPELINE REPLACEMENT (PART 1) - TRENTON STREET



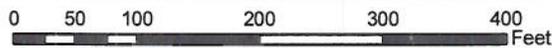
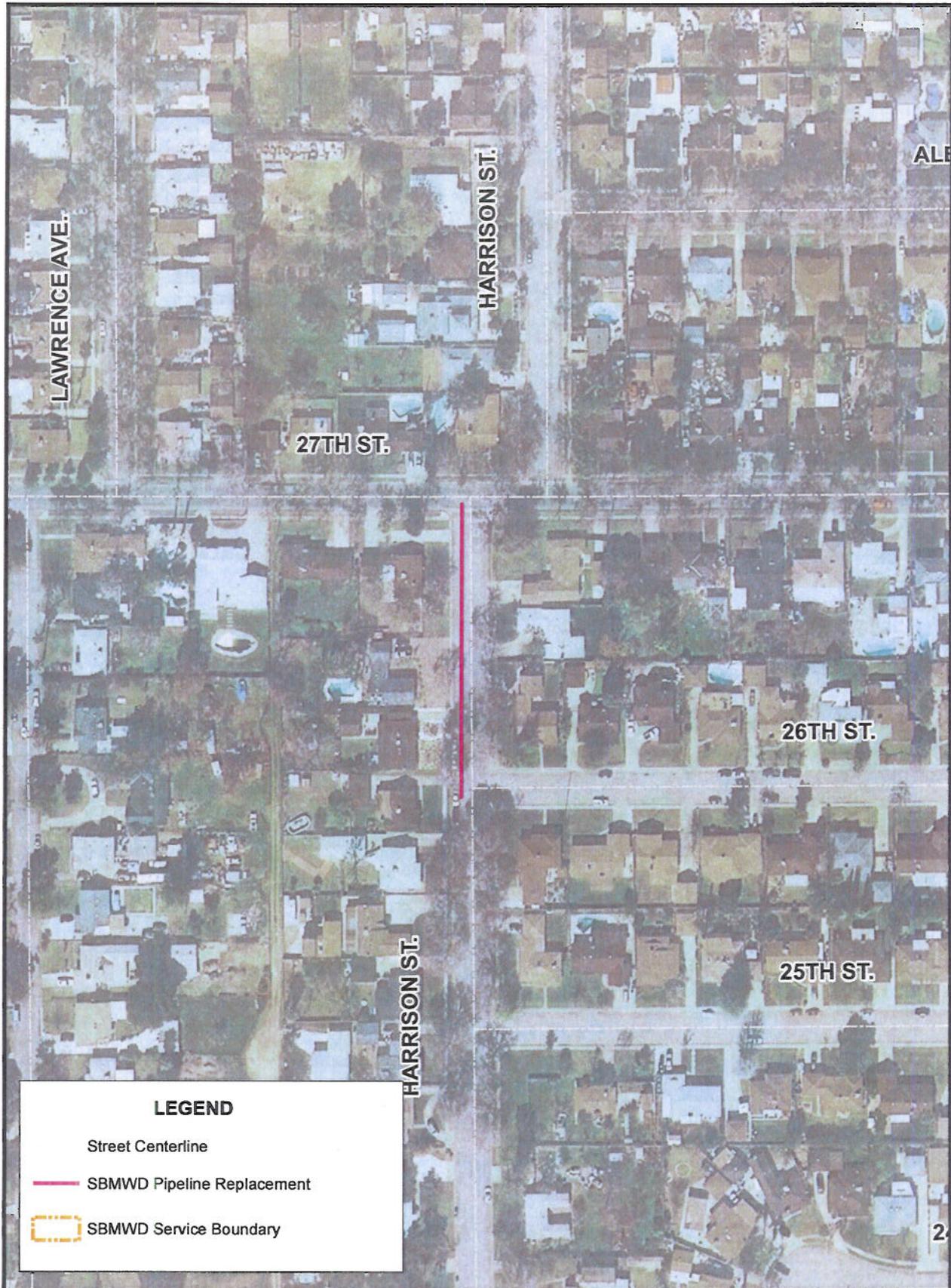


2011/2012 SYSTEM WIDE PIPELINE REPLACEMENT (PART 1) - TEMPLE STREET





2011/2012 SYSTEM WIDE PIPELINE REPLACEMENT (PART 1) - HARRISON STREET



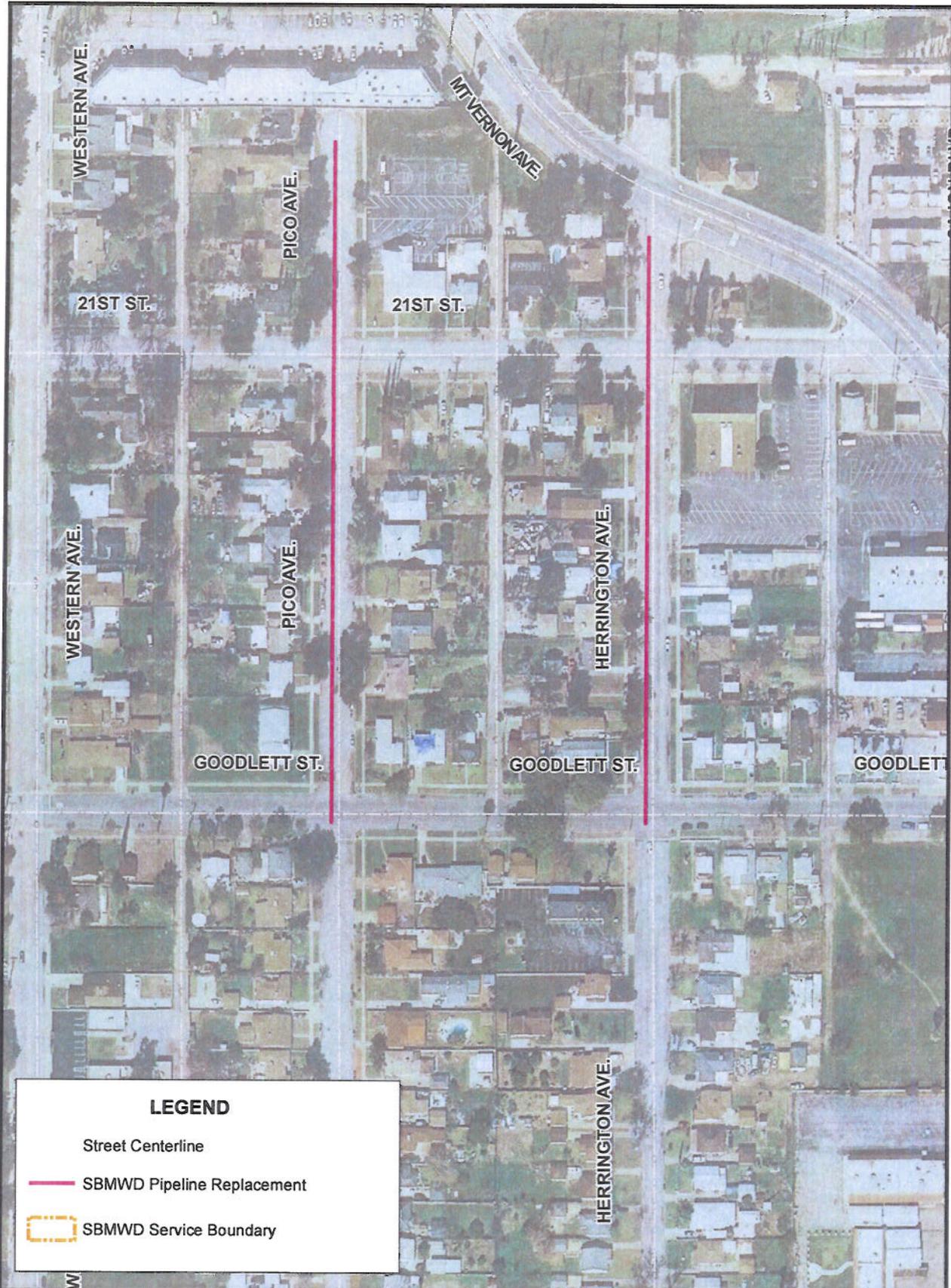


2011/2012 SYSTEM WIDE PIPELINE REPLACEMENT (PART 2) - PARKDALE DRIVE



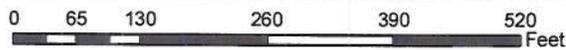


2011/2012 SYSTEM WIDE PIPELINE REPLACEMENT (PART 2) - PICO/HERRINGTON ST



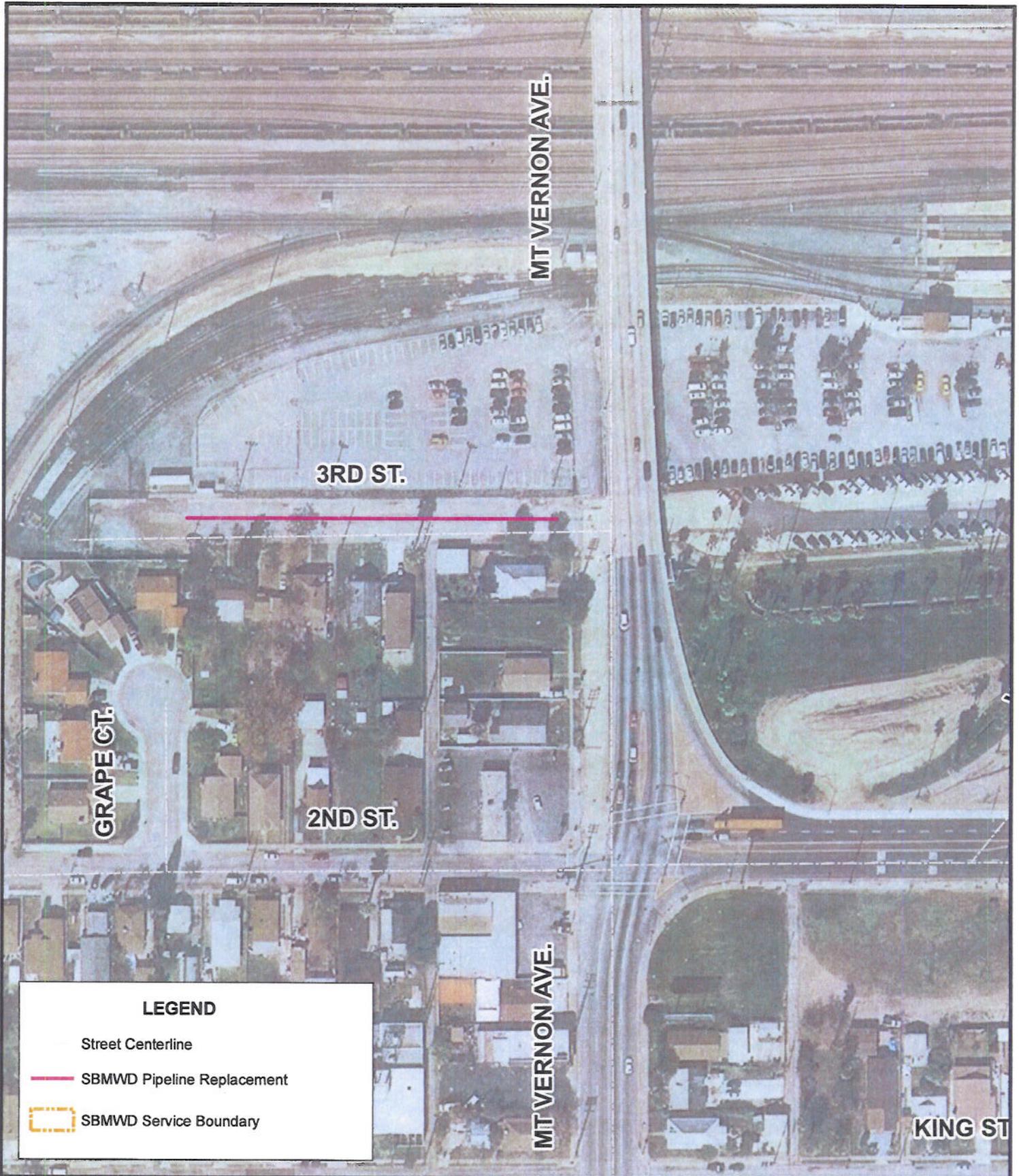
LEGEND

- Street Centerline
- SBMWD Pipeline Replacement
- SBMWD Service Boundary





2011/2012 SYSTEM WIDE PIPELINE REPLACEMENT (PART 3) - 3RD ST



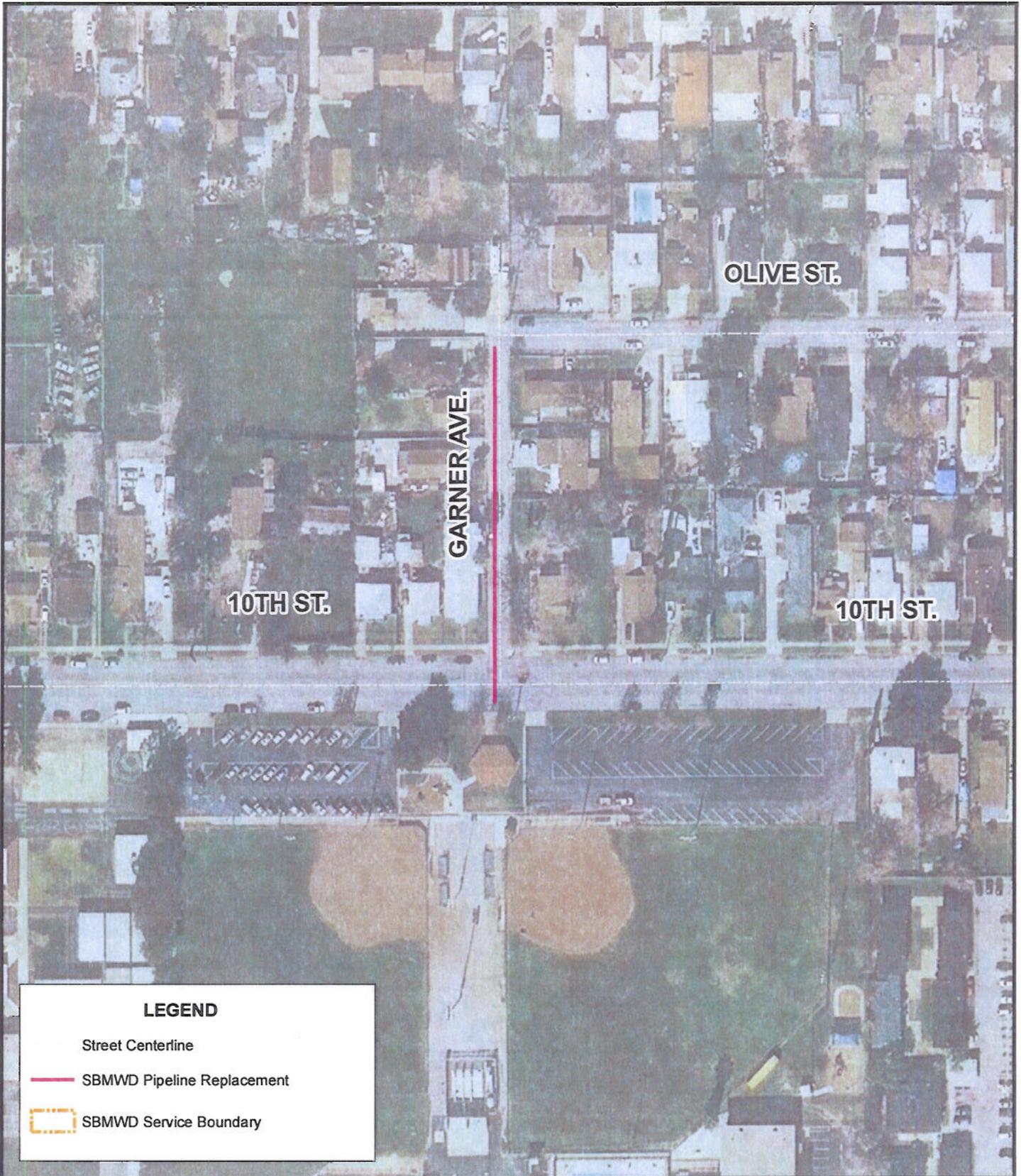


2011/2012 SYSTEM WIDE PIPELINE REPLACEMENT (PART 3) - MARSHALL BLVD FROM "E" ST. TO "F" ST.





2011/2012 SYSTEM WIDE PIPELINE REPLACEMENT (PART 3) - GARNER AVE





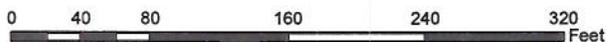
2011/2012 SYSTEM WIDE PIPELINE REPLACEMENT (PART 3) - MT VERNON AVE & 13TH ST



ABANDON EXISTING 2" PIPELINE

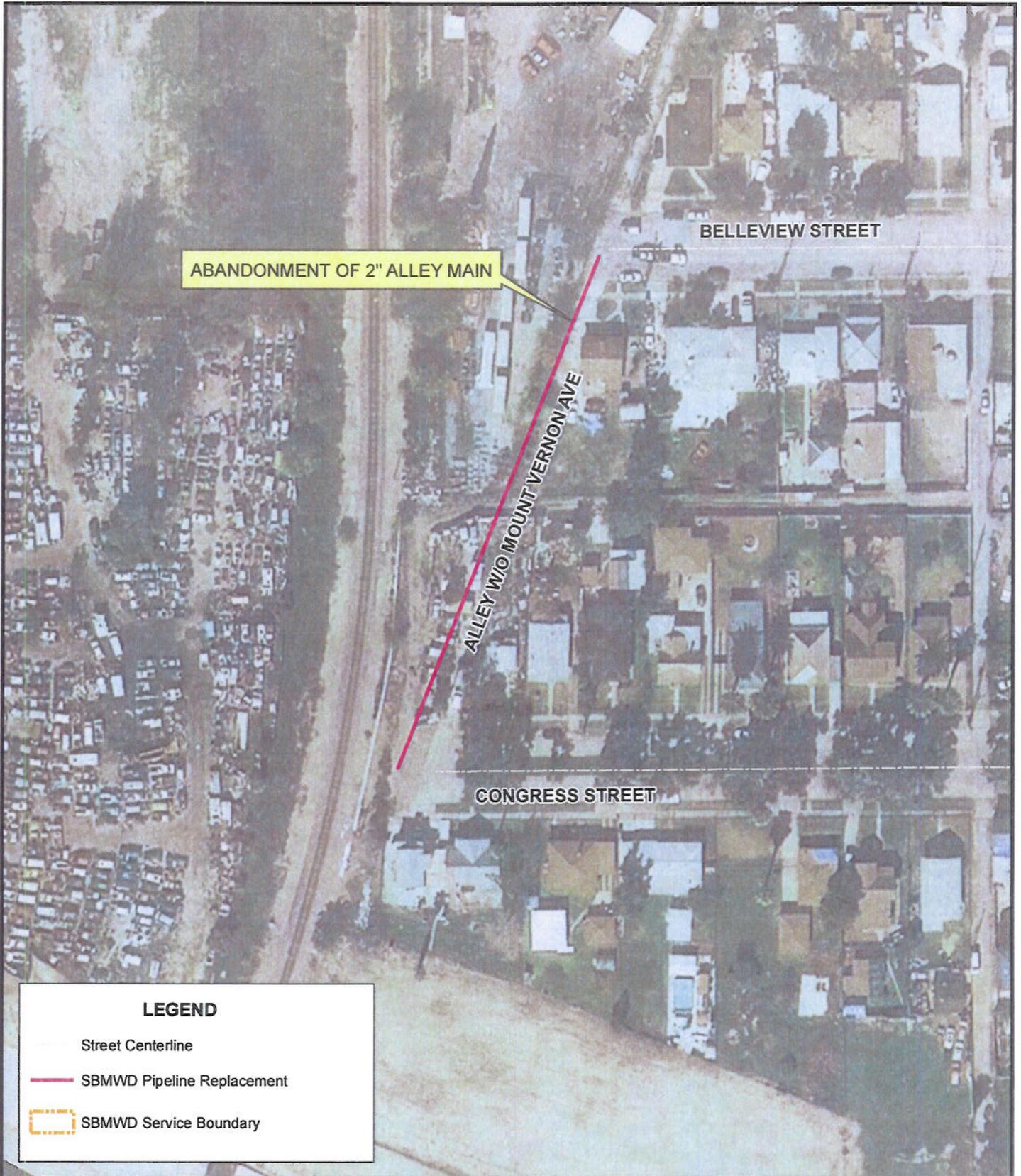
LEGEND

- Street Centerline
- SBMWD Pipeline Replacement
- SBMWD Service Boundary





2011/2012 SYSTEM WIDE PIPELINE REPLACEMENT (PART 4)- ALLEY WEST OF MOUNT VERNON AVENUE



ABANDONMENT OF 2" ALLEY MAIN

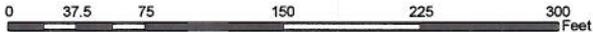
BELLEVUE STREET

ALLEY W/O MOUNT VERNON AVE

CONGRESS STREET

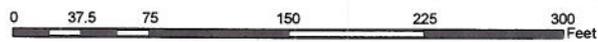
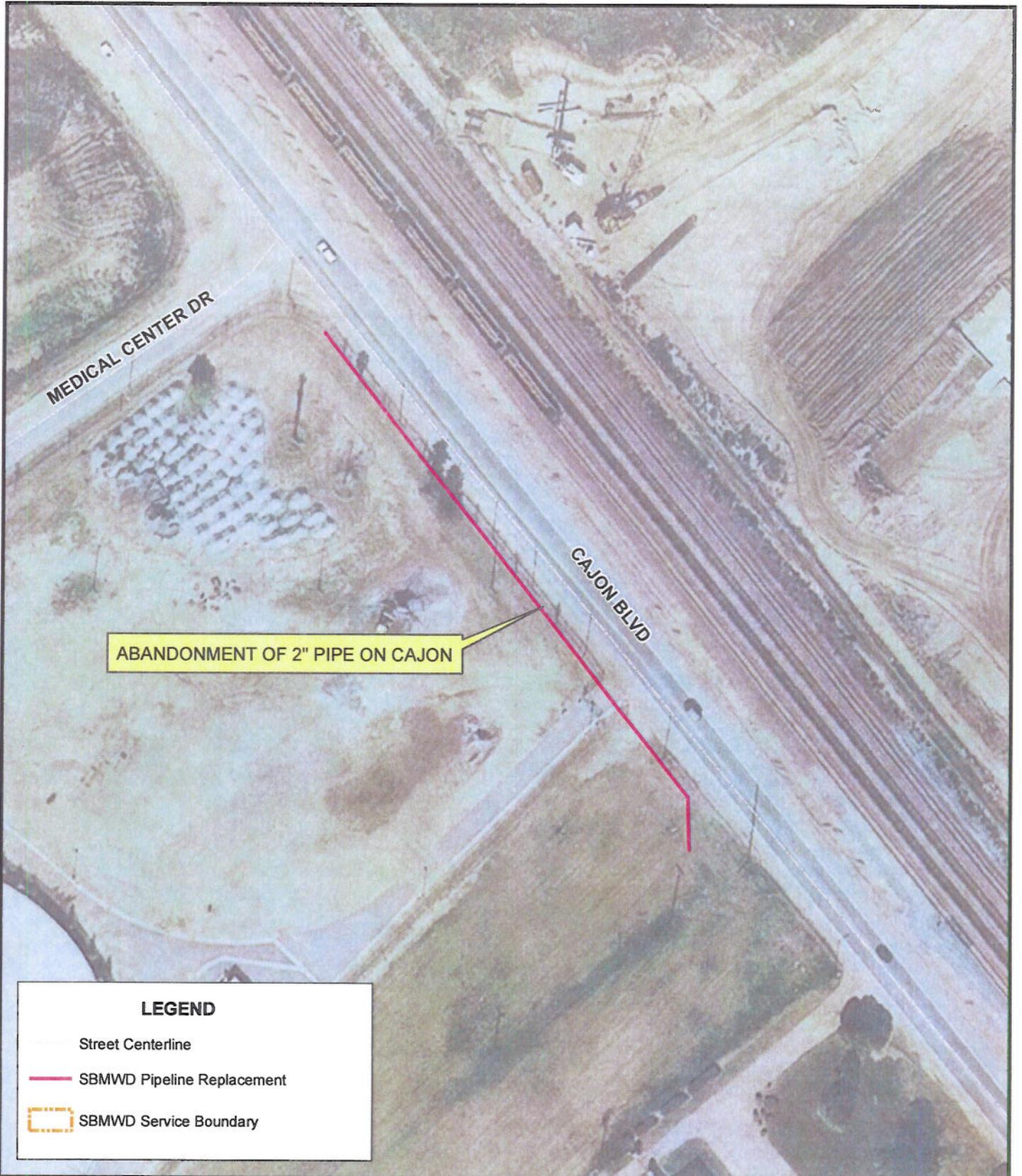
LEGEND

-  Street Centerline
-  SBMWD Pipeline Replacement
-  SBMWD Service Boundary



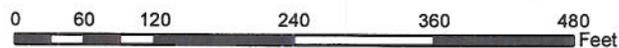


2011/2012 SYSTEM WIDE PIPELINE REPLACEMENT (PART 4) - CAJON BLVD





2011/2012 SYSTEM WIDE PIPELINE REPLACEMENT (PART 4) - GIOVANOLA AVENUE





2011/2012 SYSTEM WIDE PIPELINE REPLACEMENT (PART 4) - "K" ST PIPE ABANDONMENT



Exhibit 1
Amended Sources and Uses of Funds Table

Exhibit 1
Amended Sources and Uses of Funds Table with New Component(s)

PROJECT USES	Estimated Useful Life	PROJECT FUNDING SOURCES		TOTAL
		I-Bank	City of San Bernardino Municipal Water Department	
Land Acquisition		\$0	\$0	\$0
Ogden 12 MG Reservoir - Building Construction/Renovation		\$7,275,000	\$0	\$7,275,000
System Wide Pipeline Replacement Project - Building Construction/Renovation		\$2,063,000	\$0	\$2,063,000
System Wide Pipeline Replacement Project - Construction Contingency		\$11,779	\$297,221	\$309,000
Machinery/Equipment		\$0	\$0	\$0
Engineering/Architectural Design		\$0	\$109,780	\$109,780
Permits/Environmental		\$0	\$30,000	\$30,000
I-Bank Origination Fee		\$85,000	\$0	\$85,000
Other: Ogden 12 MG Reservoir Construction Management		\$565,221	\$0	\$565,221
TOTAL		\$10,000,000	\$437,001	\$10,437,001

Exhibit 1a
System Wide Pipeline Replacement Cost Estimate

Exhibit 1a
System Wide Pipeline Replacement Project
Construction Cost Estimate

Cost factor in

Part	Total	Traffic Control & Mobilization	Additional Cost w/ Prevailing Wage	Subtotal	Contingency	Grand Total
1	\$712,141	\$71,214	\$195,839	\$979,193	\$146,879	\$1,126,000
2	\$429,187	\$42,919	\$118,026	\$590,132	\$88,520	\$679,000
3	\$264,631	\$26,463	\$72,773	\$363,867	\$54,580	\$418,000
4	\$94,128	\$9,413	\$25,885	\$129,425	\$19,414	\$149,000
	\$1,500,000	\$150,000	\$413,000	\$2,063,000	\$309,000	\$2,372,000

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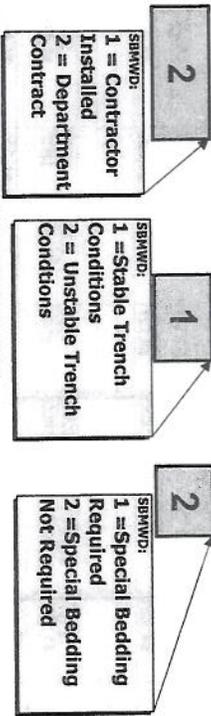
System Wide Pipeline Replacement Project
 Part 1

By: RLL, MJG
 Date: 2/14/2012

C.O.: 10630
 E.P.N.: 2007-011
 SPEC.: 1550 - PART 1

SHADED AREAS REQUIRES INPUT BY ENGINEER
 Material Cost obtained from Inland Water Works (2/12)

Project Condition Toggle Switches



TRAFFIC CONTROL

0.00	HIGH TRAFFIC (EX: HIGHLAND / WATERMAN)	NUMBER IN CREW	6 PERSONS	<=20" DIA	8 PERSONS	>20" DIA
1.00	MEDIUM TRAFFIC (EX: RES ST)	RATE PER PERSON	\$40 PER HR		\$50 PER HR	
0.00	LOW TRAFFIC (EX: PLANT SITE / TRACT)	CREW RATE	\$240 PER HR		\$400 PER HR	
1.00	TOTAL = 1.0	EQUIPMENT	\$100 PER HR		\$400 PER HR	

LABOR

LABOR	NUMBER IN CREW	6 PERSONS
	RATE PER PERSON	\$40 PER HR
	CREW RATE	\$240 PER HR
	EQUIPMENT	\$100 PER HR

Pipeline Costs		
Size	Length (LF)	Total Cost
4"	20	\$1,331
6"	365	\$24,275
8"	2,915	\$199,806
		\$225,412

TASK	TASK DESCRIPTION	QUANTITY	MATERIAL			LABOR			EQUIPMENT			COST BREAKDOWN			
			QUANTITY	UNIT COST	COST	PROD. RATE	CREW Hrs	UNIT COST	COST	UNIT COST	COST	MATERIAL	LABOR	EQUIP.	TOTAL
B & S PIPE FURN. & INSTALL (EXCL. TRENCH & A/C)	4 IN DIP W/ TYON JIS	20 L.F.	20 L.F.	\$16.00 /L.F.	\$320	250 L.F./day	0.6	\$240 /hr	\$154	\$100 /hr	\$64	\$320	\$154	\$64	\$538
	6 IN DIP W/ TYON JIS	365 L.F.	365 L.F.	\$15.60 /L.F.	\$5,694	250 L.F./day	11.7	\$240 /hr	\$2,803	\$100 /hr	\$1,168	\$5,694	\$2,803	\$1,168	\$9,665
	8 IN DIP W/ TYON JIS	2,915 L.F.	2,915 L.F.	\$19.45 /L.F.	\$56,726	250 L.F./day	93.3	\$240 /hr	\$22,387	\$100 /hr	\$9,328	\$56,726	\$22,387	\$9,328	\$88,441
B & S PIPE FURN. & INSTALL (EXCL. TRENCH & A/C)					\$62,740		105.6		\$25,344		\$10,560	\$62,740	\$25,344	\$10,560	\$98,644
TRENCHING (STABLE SOIL, INCL. EXCAV. BACKFILL & A/C PWMT SUBGRADE)	2 FT WIDE X 5 FT DEEP	20 L.F.	7 CY	\$30.00 /CY	\$222	93 CY/DAY	0.6	\$240 /hr	\$154	\$100 /hr	\$64	\$222	\$154	\$64	\$440
	2.5 FT WIDE X 5 FT DEEP	365 L.F.	169 CY	\$30.00 /CY	\$5,069	116 CY/DAY	11.7	\$240 /hr	\$2,803	\$100 /hr	\$1,168	\$5,069	\$2,803	\$1,168	\$9,041
	2.67 FT WIDE X 5 FT DEEP	2,915 L.F.	1441 CY	\$30.00 /CY	\$43,239	124 CY/DAY	93.3	\$240 /hr	\$22,387	\$100 /hr	\$9,328	\$43,239	\$22,387	\$9,328	\$74,954
TRENCHING (STABLE SOIL)			1,618 CY		\$48,531		105.6		\$25,344		\$10,560	\$48,531	\$25,344	\$10,560	\$84,435

01/27/12

529588

21000

18307

TASK	TASK DESCRIPTION	QUANTITY	MATERIAL			LABOR			EQUIPMENT			COST BREAKDOWN			
			QUANTITY	UNIT COST	COST	PROD. RATE	CREW Hrs	UNIT COST	COST	UNIT COST	COST	MATERIAL	LABOR	EQUIP.	TOTAL
P.C.C. SLAB REMOVAL	3 FT WIDE X 6 IN THICK	50 L.F.	150 SF	\$1.50 /SF	\$225	250 Lf/day	1.6	\$240/hr	\$384	\$100 /hr	\$160	\$225	\$384	\$160	\$769
P.C.C. SLAB REMOVAL			150 SF		\$225		1.6		\$384		\$160		\$384	\$160	\$769
GATE VALVES	6 G.V. (FxF) 8 G.V. (FxF)	5 Ea 7 Ea	5 Ea 7 Ea	\$704/Ea \$1,100/Ea	\$3,520 \$7,700	2.00 HR/Ea 2.00 HR/Ea	10.0 14.0	\$240/hr \$240/hr	\$2,400 \$3,360	\$100 /hr \$100 /hr	\$1,000 \$1,400	\$3,520 \$7,700	\$2,400 \$3,360	\$1,000 \$1,400	\$6,920 \$12,460
GATE VALVES					\$11,220		24.0		\$5,760		\$2,400	\$11,220	\$5,760	\$2,400	\$18,380
TEES	8 IN RUN FxF	9 Ea	9 Ea	\$308/Ea	\$2,727	2.00 Hrs/Ea.	18.0	\$240/hr	\$4,320	\$100 /hr	\$1,800	\$2,727	\$4,320	\$1,800	\$8,847
TEES					\$2,727		18.0		\$4,320		\$1,800		\$4,320	\$1,800	\$8,847
REDUCERS	8 IN FxF 8 IN FxF	1 Ea 4 Ea	1 Ea 4 Ea	\$127/Ea \$139/Ea	\$127 \$556	2.00 Hrs/Ea 2.00 Hrs/Ea.	2.0 8.0	\$240/hr \$240/hr	\$480 \$1,920	\$100 /hr \$100 /hr	\$200 \$800	\$127 \$556	\$480 \$1,920	\$200 \$800	\$807 \$3,276
REDUCERS					\$683		10.0		\$2,400		\$1,000	\$683	\$2,400	\$1,000	\$4,083
BENDS	4 IN DIA. X 8 IN DIA. X	8 Ea 13 Ea	8 Ea 13 Ea	\$100/Ea \$167	\$800 \$2,171	2.00 Hrs/Ea 2.00 Hrs/Ea.	16.0 28.0	\$240/hr \$240/hr	\$3,840 \$6,720	\$100 /hr \$100 /hr	\$1,600 \$2,800	\$800 \$2,171	\$3,840 \$6,720	\$1,600 \$2,800	\$5,240 \$11,011
BENDS					\$2,971		42.0		\$10,080		\$4,200	\$2,971	\$10,080	\$4,200	\$17,251
RETAINERS	6 IN FIELD LOCK 8 IN FIELD LOCK 4 IN MEGALUG 6 IN MEGALUG 8 IN MEGALUG	9 Ea 67 Ea 5 Ea 34 Ea 34 Ea	9 Ea 67 Ea 5 Ea 34 Ea 34 Ea	\$87/Ea \$123/Ea \$180 \$49/Ea \$68/Ea	\$873 \$8,241 \$180 \$1,530 \$2,108										\$873 \$8,241 \$180 \$1,530 \$2,108
RETAINERS					\$12,932							\$12,932			\$12,932
F...ASSEMBLY (INCLUDING VALVE & PIPE)	2 WAY WITH STEAMER	10 Ea	10 Ea	\$4,000/Ea	\$40,000	3.00 Hrs/Ea.	30.0	\$240/hr	\$7,200	\$100 /hr	\$3,000	\$40,000	\$7,200	\$3,000	\$50,200
F.H ASSEMBLY (INCLUDING VALVE & PIPE)					\$40,000		30.0		\$7,200		\$3,000		\$7,200	\$3,000	\$50,200
HOT TAP MAIN (EXCLUDE GATE VALVE)	6" TAP SLEEVE 8" TAP SLEEVE 12" RUN X 8" TAP SLEEVE	3 Ea 5 Ea 2 Ea	3 Ea 5 Ea 2 Ea	\$200/Ea \$300/Ea \$400/Ea	\$600 \$1,500 \$800	2.00 Hrs/Ea 2.00 Hrs/Ea 2.00 Hrs/Ea.	6.0 10.0 4.0	\$240/hr \$240/hr \$240/hr	\$1,440 \$2,400 \$960	\$100 /hr \$100 /hr \$100 /hr	\$600 \$1,000 \$400	\$600 \$1,500 \$800	\$1,440 \$2,400 \$960	\$600 \$1,000 \$400	\$2,640 \$4,900 \$2,160
HOT TAP MAIN (EXCLUDE GATE VALVE)					\$2,900		20.0		\$4,800		\$2,000	\$2,900	\$4,800	\$2,000	\$9,700
CONTRACT ASPHALT REMOVAL & DISPOSAL (2,000 S.F. MINIMUM)	3" THICK	10,896 S.F.	10,896 S.F.	\$2.00/Ea	\$21,791							\$21,791			\$21,791
CONTRACT APC REMOVAL AND DISPOSAL					\$21,791							\$21,791			\$21,791

TASK	TASK DESCRIPTION	QUANTITY	MATERIAL			LABOR			EQUIPMENT		COST BREAKDOWN				
			QUANTITY	UNIT COST	COST	PROD. RATE	CREW Hrs	UNIT COST	COST	UNIT COST	COST	MATERIAL	LABOR	EQUIP.	TOTAL
CONTRACT ASPHALT REPAIR IN CITY STREETS (2,000 S.F. MINIMUM)															
3" THICK		10,896 S.F.		\$2.50 /EA	\$27,239								\$27,239		\$27,239
Grind & Overlay		43,100 S.F.		\$1.70 /EA	\$73,270								\$73,270		\$73,270
CONTRACT A/C REPAIR IN CITY STREETS															
SPECIALS NOT INCLUDED IN STANDARD QUANTITIES ABOVE															
(INCLUDES LABOR AND EQUIPMENT)															
6"	ACV Station	1 Ea		\$40,000 /EA	\$40,000	40.00	Hrs/Ea	40.0					\$40,000		\$40,000
1"	CARV Assembly	1 Ea		\$1,500 /EA	\$1,500								\$1,500		\$1,500
2"	Automatic BO Assembly	3 Ea		\$1,000 /EA	\$3,000								\$3,000		\$3,000
8"	Flexible Coupling	2 Ea		\$400 /EA	\$800								\$800		\$800
8"	MJ Plug	2 Ea		\$100 /EA	\$200								\$200		\$200
5/8"	Dom. Serv.	15 Ea		\$1,000 /EA	\$15,000	2.50	Hrs/Ea	37.5					\$15,000		\$15,000
3/4"	Dom. Serv.	5 Ea		\$1,700 /EA	\$8,500	2.50	Hrs/Ea	12.5					\$8,500		\$8,500
5/8" (alley main)	Dom. Serv.	122 Ea		\$1,700 /EA	\$207,400	2.50	Hrs/Ea	305.0					\$207,400		\$207,400
3/4" (alley main)	Dom. Serv.	4 Ea		\$1,700 /EA	\$6,800	2.50	Hrs/Ea	10.0					\$6,800		\$6,800
6"	Cross	1 Ea		\$400 /EA	\$400								\$400		\$400
SPECIALS															
TOTAL:															
				\$590,829	\$590,829			761.8					\$590,829		\$590,829
				\$29,541	\$29,541			95					\$29,541		\$29,541
				\$29,541	\$29,541			19					\$29,541		\$29,541
				\$162,478	\$162,478								\$162,478		\$162,478
				\$912,389	\$912,389								\$912,389		\$912,389
				\$121,858	\$121,858								\$121,858		\$121,858
				\$15,000	\$15,000								\$15,000		\$15,000
GRANDTOTAL:				\$934,248	\$934,248								\$934,248		\$934,248

Part 1
Grand Total

System Wide Pipeline Replacement Project
 Part 2

C.O.: 10630
 E.P.N. 2007-011
 SPEC. 1550 - PART 2

By: DM, MUG
 Date: 2/14/2012

SHADED AREAS REQUIRES INPUT BY
 ENGINEER
 Project Condition Toggle Switches

2 1 2

LABOR
 <=20" DIA
 NUMBER IN CREW 6 PERSONS
 RATE PER PERSON \$40 PER HR
 CREW RATE \$240 PER HR
 EQUIPMENT \$100 PER HR

LABOR
 >20" DIA
 NUMBER IN CREW 8 PERSONS
 RATE PER PERSON \$50 PER HR
 CREW RATE \$400 PER HR
 EQUIPMENT \$400 PER HR

TRAFFIC CONTROL
 0.00 HIGH TRAFFIC (EX: HIGHLAND / WATERMAN)
 1.00 MEDIUM TRAFFIC (EX: RES ST)
 0.00 LOW TRAFFIC (EX: PLANT SITE / TRACT)
 1.00 TOTAL = 1.0

Pipeline Costs

Size	Length (LF)	Total Cost	\$/ft
4"	0	\$0	#DIV/0!
6"	0	\$311	#DIV/0!
8"	2,865	\$190,712	\$66.57
		\$191,023	

TASK	TASK DESCRIPTION	QUANTITY	MATERIAL			LABOR			EQUIPMENT			COST BREAKDOWN			
			QUANTITY	UNIT COST	COST	PROD. RATE	CREW HRS	UNIT COST	COST	UNIT COST	COST	MATERIAL	LABOR	EQUIP.	TOTAL
B & S PIPE FURN. & INSTALL (EXCL. TRENCH & A/C)	8 IN DIP W/ TYON JIS	2,865 L.F.	2,865 L.F.	\$19,46 /L.F.	\$55,753	250 LF/day	91.7	\$240 /hr	\$22,003	\$100 /hr	\$9,168	\$55,753	\$22,003	\$9,168	\$86,924
B & S PIPE FURN. & INSTALL (EXCL. TRENCH & A/C)					\$55,753		91.7		\$22,003		\$9,168		\$22,003	\$9,168	\$86,924
TRENCHING (STABLE SOIL; INCL. EXCAV. BACKFILL & A/C PMNT)															
SUBGRADE	2.67 FT WIDE X	5 FT DEEP	2,865 L.F.	1417 CY	\$30.00 /CY	\$42,498	124 CY/DAY	91.7	\$240 /hr	\$22,003	\$100 /hr	\$9,168	\$42,498	\$22,003	\$9,168
TRENCHING (STABLE SOIL)				1,417 CY		\$42,498		91.7		\$22,003		\$9,168		\$22,003	\$9,168
P.C.C. SLAB REMOVAL	3 FT WIDE X	6 IN THICK	0 L.F.	0 SF	\$150 /SF	\$0	250 LF/day	0.0	\$240 /hr	\$0	\$100 /hr	\$0	\$0	\$0	\$0
P.C.C. SLAB REMOVAL				0 SF		\$0		0.0		\$0		\$0		\$0	\$0
GATE VALVES															

TASK			MATERIAL			LABOR			EQUIPMENT			COST BREAKDOWN			
SIZE	TASK DESCRIPTION	QUANTITY	QUANTITY	UNIT COST	COST	PROD. RATE	CREW Hrs	UNIT COST	COST	UNIT COST	COST	MATERIAL	LABOR	EQUIP.	TOTAL
4 G.V.		1 Ea	1 Ea	\$538 /EA	\$538	2.00	2.0	\$240 /hr	\$480	\$100 /hr	\$200	\$538	\$480	\$200	\$1,218
8 G.V.		9 Ea	9 Ea	\$1,100 /EA	\$9,900	2.00	18.0	\$240 /hr	\$4,320	\$100 /hr	\$1,800	\$9,900	\$4,320	\$1,800	\$16,020
					\$10,435		20.0		\$4,800		\$2,000	\$10,435	\$4,800	\$2,000	\$17,235
TEES	8 IN RUN X 8 IN BRANCH	10 Ea	10 Ea	\$303 /EA	\$3,030	2.00	20.0	\$240 /hr	\$4,800	\$100 /hr	\$2,000	\$3,030	\$4,800	\$2,000	\$9,830
TEES					\$3,030		20.0		\$4,800		\$2,000				
REDUCERS	8 IN X 6 IN	1 Ea	1 Ea	\$139 /EA	\$139	2.00	2.0	\$240 /hr	\$480	\$100 /hr	\$200	\$139	\$480	\$200	\$819
REDUCERS					\$139		2.0		\$480		\$200				
BENDS	4 IN DIA X 90.0 DEG ELL	2 Ea	2 Ea	\$100 /EA	\$200	2.00	4.0	\$240 /hr	\$960	\$100 /hr	\$400	\$200	\$960	\$400	\$1,560
	8 IN DIA X 45.0 DEG ELL	4 Ea	4 Ea	\$167 /EA	\$668	2.00	8.0	\$240 /hr	\$1,920	\$100 /hr	\$800	\$668	\$1,920	\$800	\$3,388
					\$868		12.0		\$2,880		\$1,200	\$868	\$2,880	\$1,200	\$4,948
RETAINERS	8 IN FIELD LOCK	28 Ea	28 Ea	\$123 /EA	\$3,198										\$3,198
	6 IN MEGALUG	6 Ea	6 Ea	\$45 /EA	\$270										\$270
	8 IN MEGALUG	39 Ea	39 Ea	\$62 /EA	\$2,046										\$2,046
					\$5,514										\$5,514
F.H.ASSEMBLY (INCLUDING VALVE & PIPE)	2 WAY WITH STEAMER	6 Ea	6 Ea	\$4,000 /EA	\$24,000	3.00	18.0	\$240 /hr	\$4,320	\$100 /hr	\$1,800	\$24,000	\$4,320	\$1,800	\$30,120
F.H.ASSEMBLY (INCLUDING VALVE & PIPE)					\$24,000		18.0		\$4,320		\$1,800				\$30,120
HOT TAP MAIN (EXCLUDE GATE VALVE)	8" TAP SLEEVE	2 Ea	2 Ea	\$300 /EA	\$600	2.00	4.0	\$240 /hr	\$960	\$100 /hr	\$400	\$600	\$960	\$400	\$1,860
	12" RUN X 8" TAP SLEEVE	1 Ea	1 Ea	\$400 /EA	\$400	2.00	2.0	\$240 /hr	\$480	\$100 /hr	\$200	\$400	\$480	\$200	\$1,080
	AP MAIN (EXCLUDE GATE VALVE)				\$1,000		6.0		\$1,440		\$600	\$1,000	\$1,440	\$600	\$3,040
CONTRACT ASPHALT REMOVAL & DISPOSAL (2,000 S.F. MINIMUM)	3" THICK	8,550 S.F.	8,550 S.F.	\$2.00 /EA	\$17,099							\$17,099			\$17,099
CONTRACT A/C REMOVAL AND DISPOSAL					\$17,099										\$17,099
CONTRACT ASPHALT REPAIR IN CITY STREETS (2,000 S.F. MINIMUM)	3" THICK	8,550 S.F.	8,550 S.F.	\$2.60 /EA	\$21,374							\$21,374			\$21,374
	Grind & Overlay	30,950 S.F.	30,950 S.F.	\$1.70 /EA	\$52,615							\$52,615			\$52,615
CONTRACT A/C REPAIR IN CITY STREETS					\$73,989							\$73,989			\$73,989
SPECIALS NOT INCLUDED IN STANDARD QUANTITIES ABOVE															
(INCLUDES LABOR AND EQUIPMENT)															

TASK		MATERIAL			LABOR			EQUIPMENT		COST BREAKDOWN					
SIZE	TASK DESCRIPTION	QUANTITY	QUANTITY	UNIT COST	COST	PROD. RATE	CREW Hrs	UNIT COST	COST	UNIT COST	COST	MATERIAL	LABOR	EQUIP.	TOTAL
2"	Automatic BO Assembly	1 Ea	1 Ea	\$1,000 /EA	\$1,000							\$1,000			\$1,000
8"	Flexible Coupling	16 Ea	16 Ea	\$400 /EA	\$6,400							\$6,400			\$6,400
1/2"	Dom. Serv.	3 Ea	3 Ea	\$1,000 /EA	\$3,000	1.00 Hrs/Ea.	3.0					\$3,000			\$3,000
5/8"	Dom. Serv.	13 Ea	13 Ea	\$1,000 /EA	\$13,000	1.00 Hrs/Ea.	13.0					\$13,000			\$13,000
3/4"	Dom. Serv.	6 Ea	5 Ea	\$1,000 /EA	\$5,000	1.00 Hrs/Ea.	5.0					\$5,000			\$5,000
1-1/2"	Dom. Serv.	1 Ea	1 Ea	\$1,000 /EA	\$1,000	1.00 Hrs/Ea.	1.0					\$1,000			\$1,000
5/8"	Dom. Serv.	43 Ea	43 Ea	\$1,000 /EA	\$43,000	1.00 Hrs/Ea.	43.0					\$43,000			\$43,000
3/4"	Dom. Serv.	1 Ea	1 Ea	\$1,700 /EA	\$1,700	1.00 Hrs/Ea.	1.0					\$1,700			\$1,700
8"	Cross	2 Ea	2 Ea	\$400 /EA	\$800							\$800			\$800
SPECIALS					\$106,000							\$106,000			\$106,000
TOTAL:					\$340,324		Crew Hours: 328.4					\$340,324			\$429,100
TRAFFIC CONTROL MODIFIER		5%			\$17,016		Working Days: 41					\$17,016	\$3,136	\$1,307	\$21,459
MOBILIZATION MODIFIER		5%			\$17,016		Weeks: 8					\$17,016	\$3,136	\$1,307	\$21,459
PREVAILING WAGE MODIFIER		25%			\$93,599							\$93,599	\$17,187	\$7,187	\$118,026
SUBTOTAL:					\$467,946							\$467,946	\$86,249	\$35,937	\$590,132
CONTINGENCY		15.0%			\$70,192							\$70,192	\$12,937	\$5,391	\$88,520
GRANDTOTAL:					\$538,138							\$538,138	\$99,186	\$41,328	\$679,000

part 2

System Wide Pipeline Replacement Project
 Part 3

By: MUG
 Date: 2/14/2012
 C.O.: 10630
 E.P.N. 2007-011
 SPEC. 1550 - PART 3

SHADED AREAS REQUIRES INPUT BY
 ENGINEER
 Project Condition Toggle Switches

2 1 2

LABOR

NUMBER IN CREW	6 PERSONS
RATE PER PERSON	\$40 PER HR
CREW RATE	\$240 PER HR
EQUIPMENT	\$100 PER HR

TRAFFIC CONTROL

0.00 HIGH TRAFFIC (EX: HIGHLAND / WATERMAN)
 1.00 MEDIUM TRAFFIC (EX: RES ST)
 0.00 LOW TRAFFIC (EX: PLANT SITE / TRACT)
 1.00 TOTAL = 1.0

LABOR

NUMBER IN CREW	6 PERSONS
RATE PER PERSON	\$40 PER HR
CREW RATE	\$240 PER HR
EQUIPMENT	\$100 PER HR

Pipeline Costs

Size	Length (LF)	Total Cost	\$/ft
4"	20	\$1,124	\$56.20
6"	380	\$23,212	\$61.08
8"	1,475	\$99,335	\$67.35
		\$123,672	

TASK	TASK DESCRIPTION	MATERIAL			LABOR			EQUIPMENT			COST BREAKDOWN			
		QUANTITY	UNIT COST	COST	PROD. RATE	CREW Hrs	UNIT COST	COST	UNIT COST	COST	MATERIAL	LABOR	EQUIP.	TOTAL
B & S PIPE EURN. & INSTALL (EXCL. TRENCH & A/C)														
	4 IN DIP W/ Tylon Jis	20	LF	\$16,000	250	LF/day	\$240	\$154	\$100	\$64	\$222	\$154	\$64	\$538
	6 IN DIP W/ Tylon Jis	380	LF	\$15,600	250	LF/day	\$240	\$2,918	\$100	\$1,216	\$5,278	\$2,918	\$1,216	\$10,062
	8 IN DIP W/ Tylon Jis	1,475	LF	\$19,460	250	LF/day	\$240	\$11,328	\$100	\$4,720	\$28,704	\$11,328	\$4,720	\$44,752
	B & S PIPE EURN. & INSTALL (EXCL. TRENCH & A/C)			\$34,952	60.0			\$14,400		\$6,000	\$34,952	\$14,400	\$6,000	\$55,352
TRENCHING (STABLE SOIL; INCL. EXCAV. BACKFILL & A/C P/MT)														
	2 FT WIDE X 5 FT DEEP	20	LF	\$30,000	93	CY/DAY	\$240	\$154	\$100	\$64	\$222	\$154	\$64	\$440
	2.5 FT WIDE X 5 FT DEEP	380	LF	\$30,000	116	CY/DAY	\$240	\$2,918	\$100	\$1,216	\$5,278	\$2,918	\$1,216	\$9,412
	2.67 FT WIDE X 5 FT DEEP	1,475	LF	\$30,000	124	CY/DAY	\$240	\$11,328	\$100	\$4,720	\$21,879	\$11,328	\$4,720	\$37,927
	TRENCHING (STABLE SOIL)			\$27,379	60.0			\$14,400		\$6,000	\$27,379	\$14,400	\$6,000	\$47,779
P.C.C. SLAB REMOVAL														
	3 FT WIDE X 6 IN THICK	0	LF	\$1,500	250	LF/day	\$240	\$0	\$100	\$0	\$0	\$0	\$0	\$0

TASK	TASK DESCRIPTION	QUANTITY	MATERIAL			LABOR			EQUIPMENT			COST BREAKDOWN				
			QUANTITY	UNIT COST	COST	PROD. RATE	CREW Hrs	UNIT COST	COST	UNIT COST	COST	MATERIAL	LABOR	EQUIP.	TOTAL	
P.C.C. SLAB REMOVAL			0 SF		\$0		0.0		\$0		\$0		\$0	\$0		
GATE VALVES	4 G.V.	2 Ea	2 Ea	\$335 /EA	\$1,070	2.00	Hrs/Ea	4.0	\$240 /hr	\$960	\$1,000 /hr	\$400	\$1,070	\$960	\$400	\$2,430
	8 G.V.	3 Ea	3 Ea	\$1,100 /EA	\$3,300	2.00	Hrs/Ea	6.0	\$240 /hr	\$1,440	\$1,000 /hr	\$600	\$3,300	\$1,440	\$600	\$5,340
GATE VALVES					\$4,370			10.0		\$2,400		\$1,000	\$4,370	\$2,400	\$1,000	\$7,770
TEES	8 IN RUN X	1 Ea	1 Ea	\$303 /EA	\$303	2.00	Hrs/Ea	2.0	\$240 /hr	\$480	\$1,000 /hr	\$200	\$303	\$480	\$200	\$983
	8 IN BRANCH				\$303			2.0		\$480		\$200	\$303	\$480	\$200	\$983
TEES					\$303			2.0		\$480		\$200	\$303	\$480	\$200	\$983
F. JERS	6 IN X	0 Ea	0 Ea	\$90 /EA	\$0	1.50	Hrs/Ea	0.0	\$0 /hr	\$0	\$100 /hr	\$0	\$0	\$0	\$0	\$0
	8 IN X	1 Ea	1 Ea	\$127 /EA	\$127	2.00	Hrs/Ea	2.0	\$240 /hr	\$480	\$100 /hr	\$200	\$127	\$480	\$200	\$807
	8 IN X	0 Ea	0 Ea	\$139 /EA	\$0	2.00	Hrs/Ea	0.0	\$240 /hr	\$0	\$100 /hr	\$0	\$0	\$0	\$0	\$0
REDUCERS					\$127			2.0		\$480		\$200	\$127	\$480	\$200	\$807
BENDS	8 IN DIA X	1 Ea	1 Ea	\$200 /EA	\$200	1.75	Hrs/Ea	1.8	\$240 /hr	\$420	\$100 /hr	\$175	\$200	\$420	\$175	\$795
	8 IN DIA X	10 Ea	10 Ea	\$157 /EA	\$1,570	2.00	Hrs/Ea	20.0	\$240 /hr	\$4,800	\$100 /hr	\$2,000	\$1,570	\$4,800	\$2,000	\$8,470
BENDS					\$1,870			21.8		\$5,220		\$2,175	\$1,870	\$5,220	\$2,175	\$9,265
RETAINERS	6 IN FIELD LOCK	5 Ea	5 Ea	\$97 /EA	\$485								\$485			\$485
	8 IN FIELD LOCK	20 Ea	20 Ea	\$123 /EA	\$2,460								\$2,460			\$2,460
	6 IN MEGALUG	5 Ea	5 Ea	\$45 /EA	\$225								\$225			\$225
	8 IN MEGALUG	20 Ea	20 Ea	\$62 /EA	\$1,240								\$1,240			\$1,240
RETAINERS					\$4,410								\$4,410			\$4,410
F.H.ASSEMBLY (INCLUDING VALVE & PIPE)	2 WAY WITH STEAMER	5 Ea	5 Ea	\$4,000 /EA	\$20,000	3.00	Hrs/Ea	15.0	\$240 /hr	\$3,600	\$100 /hr	\$1,500	\$20,000	\$3,600	\$1,500	\$25,100
F.H.ASSEMBLY (INCLUDING VALVE & PIPE)					\$20,000			15.0		\$3,600		\$1,500	\$20,000	\$3,600	\$1,500	\$25,100
HOT TAP MAIN (EXCLUDE GATE VALVE)	4" TAP SLEEVE	1 Ea	1 Ea	\$300 /EA	\$300	2.00	Hrs/Ea	2.0	\$240 /hr	\$480	\$100 /hr	\$200	\$300	\$480	\$200	\$980
	12" RUN X	2 Ea	2 Ea	\$400 /EA	\$800	2.00	Hrs/Ea	4.0	\$240 /hr	\$960	\$100 /hr	\$400	\$800	\$960	\$400	\$2,160
HOT TAP MAIN (EXCLUDE GATE VALVE)					\$1,100			6.0		\$1,440		\$600	\$1,100	\$1,440	\$600	\$3,140
CONTRACT ASPHALT REMOVAL & DISPOSAL (2,000 S.F. MINIMUM)	3" THICK	5,322 S.F.	5,322 S.F.	\$2.00 /EA	\$10,645								\$10,645			\$10,645
CONTRACT ASPHALT REMOVAL & DISPOSAL (2,000 S.F. MINIMUM)					\$10,645								\$10,645			\$10,645
CONTRACT A/C REMOVAL AND DISPOSAL					\$10,645								\$10,645			\$10,645
CONTRACT ASPHALT REPAIR IN CITY STREETS (2,000 S.F. MINIMUM)	3" THICK	5,322 S.F.	5,322 S.F.	\$2.90 /EA	\$13,306								\$13,306			\$13,306
Grind & Overlay		36,750 S.F.	36,750 S.F.	\$1.70 /EA	\$62,475								\$62,475			\$62,475

TASK		MATERIAL				LABOR				EQUIPMENT		COST BREAKDOWN			
SIZE	TASK DESCRIPTION	QUANTITY	QUANTITY	UNIT COST	COST	PROD. RATE	CREW Hrs	UNIT COST	COST	UNIT COST	COST	MATERIAL	LABOR	EQUIP.	TOTAL
SPECIALS NOT INCLUDED IN STANDARD QUANTITIES ABOVE (INCLUDES LABOR AND EQUIPMENT)															
2"	Automatic BO Assembly	1 Ea	1 Ea	\$1,000 /EA	\$1,000							\$1,000			\$1,000
8"	Flexible Coupling	8 Ea	8 Ea	\$400 /EA	\$3,200							\$3,200			\$3,200
5/8"	Dom. Serv.	18 Ea	18 Ea	\$1,000 /EA	\$18,000	2.00 Hrs/Ea.	36.0					\$18,000			\$18,000
3/4"	Dom. Serv.	1 Ea	1 Ea	\$1,000 /EA	\$1,000	2.00 Hrs/Ea.	2.0					\$1,000			\$1,000
8"	Cross	1 Ea	1 Ea	\$400 /EA	\$400							\$400			\$400
SPECIALS					\$23,600							\$23,600			\$23,600
TOTAL:					\$204,536		214.8		\$42,420		\$17,675	\$204,536	\$42,420	\$17,675	\$264
TRAFFIC CONTROL MODIFIER		5%			\$10,227		27		\$2,121		\$884	\$10,227	\$2,121	\$884	\$13,232
MOBILIZATION MODIFIER		5%			\$10,227		5		\$2,121		\$884	\$10,227	\$2,121	\$884	\$13,232
PREVAILING WAGE MODIFIER		25%			\$56,247				\$11,666		\$4,861	\$56,247	\$11,666	\$4,861	\$72,773
SUBTOTAL:					\$281,237				\$56,328		\$24,303	\$281,237	\$56,328	\$24,303	\$363,867
CONTINGENCY		15.0%			\$42,196				\$8,749		\$3,645	\$42,196	\$8,749	\$3,645	\$54,580
GRAND TOTAL:					\$323,422				\$67,077		\$27,949	\$323,422	\$67,077	\$27,949	\$418,000

part 3

System Wide Pipeline Replacement Project
 Part 4

By: MUG
 Date: 2/16/2012
 C.O.: 10630
 E.P.N. 2007-011
 SPEC. 1550 - PART 4

SHADED AREAS REQUIRES INPUT BY
 ENGINEER
 Project Condition Toggle Switches

2 1 2

LABOR
 NUMBER IN CREW 6 PERSONS
 RATE PER PERSON \$40 PER HR
 CREW RATE \$240 PER HR
 EQUIPMENT \$100 PER HR

LABOR
 <=20" DIA
 >20" DIA

0.00 HIGH TRAFFIC (EX: HIGHLAND / WATERMAN)
 1.00 MEDIUM TRAFFIC (EX: RES ST)
 0.00 LOW TRAFFIC (EX: PLANT SITE / TRACT)
 1.00 TOTAL = 1.0

NUMBER IN CREW 6 PERSONS
 RATE PER PERSON \$40 PER HR
 CREW RATE \$240 PER HR
 EQUIPMENT \$100 PER HR

Pipeline Costs

Size	Length (LF)	Total Cost	\$/ft
4"	0	\$0	#DIV/0!
6"	0	\$0	#DIV/0!
8"	572	\$39,218	\$68.56
		\$39,218	

TRAFFIC CONTROL

TASK	TASK DESCRIPTION	QUANTITY	MATERIAL			LABOR			EQUIPMENT			COST BREAKDOWN			
			QUANTITY	UNIT COST	COST	PROD. RATE	CREW HRS	UNIT COST	COST	UNIT COST	COST	MATERIAL	LABOR	EQUIP.	TOTAL
B & S PIPE FURN. & INSTALL (EXCL. TRENCH & A/C)	8 IN DIP W/ TYPON DIS	572 L.F.	572 L.F.	\$19,485 /L.F.	\$11,131	200 LF/day	22.9	\$240 /hr	\$5,491	\$200 /hr	\$4,576	\$11,131	\$5,491	\$4,576	\$21,198
B & S PIPE FURN. & INSTALL (EXCL. TRENCH & A/C)	TRENCHING (STABLE SOIL: INCL. EXCAV. BACKFILL & A/C PAVT SUBGRADE)	2.67 FT WIDE X 5 FT DEEP	572 L.F.	283 CY	\$30.00 /CY	\$8,485									\$8,485
TRENCHING (STABLE SOIL)				283 CY	\$8,485										\$8,485
P.C.C. SLAB REMOVAL	3 FT WIDE X 6 IN THICK	480 LF	1440 SF	\$2.00 /SF	\$2,880										\$2,880
P.C.C. SLAB REMOVAL			1,440 SF		\$2,880										\$2,880
GATE VALVES															

TASK	TASK DESCRIPTION	QUANTITY	MATERIAL		LABOR			EQUIPMENT		COST BREAKDOWN																										
			QUANTITY	UNIT COST	COST	PROD. RATE	CREW Hrs	UNIT COST	COST	UNIT COST	COST	MATERIAL	LABOR	EQUIP.	TOTAL																					
GATE VALVES	4 G.V.	1	1 Ea.	\$535/EA	\$535	2.00	HR/EA	2.0	\$240/hr	\$480	\$100/hr	\$200	\$335	\$480	\$200	\$1,215																				
	6 G.V.	1	1 Ea.	\$704/EA	\$704	2.00	HR/EA	2.0	\$240/hr	\$480	\$100/hr	\$200	\$704	\$480	\$200	\$1,384																				
	8 G.V.	2	2 Ea.	\$1,100/EA	\$2,200	2.00	HR/EA	4.0	\$240/hr	\$960	\$100/hr	\$400	\$2,200	\$960	\$400	\$3,560																				
					\$3,439			8.0		\$1,920		\$800	\$3,439	\$1,920	\$800	\$6,159																				
TEES	8 IN RUN	X	0	\$308/EA	\$0	2.00	Hrs/EA	0.0	\$240/hr	\$0	\$100/hr	\$0	\$0	\$0	\$0	\$0																				
	8 IN BRANCH				\$0			0.0		\$0		\$0	\$0	\$0	\$0	\$0																				
REDUCERS	8 IN	X	1	\$127/EA	\$127	2.00	Hrs/EA	2.0	\$240/hr	\$480	\$100/hr	\$200	\$127	\$480	\$200	\$807																				
	8 IN	X	1	\$139/EA	\$139	2.00	Hrs/EA	2.0	\$240/hr	\$480	\$100/hr	\$200	\$139	\$480	\$200	\$819																				
					\$266			4.0		\$960		\$400	\$266	\$960	\$400	\$1,626																				
BENDS	6 IN DIA	X	1	\$200/EA	\$200	1.75	Hrs/EA	1.8	\$240/hr	\$420	\$100/hr	\$175	\$200	\$420	\$175	\$795																				
	8 IN DIA	X	2	\$167/EA	\$334	2.00	Hrs/EA	4.0	\$240/hr	\$960	\$100/hr	\$400	\$334	\$960	\$400	\$1,694																				
					\$534			5.8		\$1,380		\$575	\$534	\$1,380	\$575	\$2,489																				
RETAINERS	8 IN FIELD LOCK		10	\$123/EA	\$1,230								\$1,230			\$1,230																				
	8 IN MEGALUG		5	\$62/EA	\$310								\$310			\$310																				
					\$1,540								\$1,540			\$1,540																				
F.H.ASSEMBLY (INCLUDING VALVE & PIPE)																																				
2 WAY WITH STEAMER													3	Ea.	\$4,000/EA	\$12,000	3.00	Hrs/EA	9.0	\$240/hr	\$2,160	\$100/hr	\$900	\$12,000	\$2,160	\$900	\$15,060									
F.H.ASSEMBLY (INCLUDING VALVE & PIPE)																																				
HOT TAP MAIN (EXCLUDE GATE VALVE)																																				
4" RUN X													1	Ea.	\$300/EA	\$300	2.00	Hrs/EA	2.0	\$240/hr	\$480	\$100/hr	\$200	\$300	\$480	\$200	\$980									
6" RUN X													1	Ea.	\$400/EA	\$400	2.00	Hrs/EA	2.0	\$240/hr	\$480	\$100/hr	\$200	\$400	\$480	\$200	\$1,080									
HOT TAP MAIN (EXCLUDE GATE VALVE)																\$700			4.0		\$960		\$400	\$700	\$960	\$400	\$2,060									
CONTRACT ASPHALT REMOVAL & DISPOSAL (2,000 S.F. MINIMUM)																																				
3" THICK													1,671	S.F.	\$2.00/EA	\$3,342													\$3,342							
CONTRACT AAC REMOVAL AND DISPOSAL																																				
3" THICK													1,671	S.F.	\$2.00/EA	\$3,342																\$3,342				
CONTRACT ASPHALT REPAIR IN CITY STREETS (2,000 S.F. MINIMUM)																																				
3" THICK													1,671	S.F.	\$2.50/EA	\$4,178																	\$4,178			
Grind & Overlay													5,300	S.F.	\$1.76/EA	\$9,010																		\$9,010		
CONTRACT AAC REPAIR IN CITY STREETS																\$13,188																			\$13,188	
SPECIALS NOT INCLUDED IN STANDARD QUANTITIES ABOVE																																				

TASK	TASK DESCRIPTION	QUANTITY	MATERIAL			LABOR			EQUIPMENT			COST BREAKDOWN		
			QUANTITY	UNIT COST	COST	PROD. RATE	CREW Hrs	UNIT COST	COST	UNIT COST	COST	MATERIAL	LABOR	EQUIP.
(INCLUDES LABOR AND EQUIPMENT)														
6"	Flexible Coupling	5 Ea		\$400 /EA	\$2,000									\$2,000
6"	Dom. Serv. Cross	9 Ea		\$1,000 /EA	\$9,000	2.00 Hrs/Ea	18.0							\$9,000
6"	Blind Flange	2 Ea		\$400 /EA	\$800									\$800
6"	Plug and Gap, Abandon main	4 Ea		\$75 /EA	\$300									\$300
		4 Ea		\$1,000 /EA	\$4,000									\$4,000
					\$16,100									\$16,100
	TOTAL:				\$73,605									\$73,605
	TRAFFIC CONTROL MODIFIER													
	MOBILIZATION MODIFIER	5%			\$3,680									\$3,680
	PREVAILING WAGE MODIFIER	25%			\$20,241									\$20,241
	SUBTOTAL:				\$101,207									\$101,207
	CONTINGENCY	15.0%			\$15,181									\$15,181
	GRANDTOTAL:				\$116,388									\$116,388

Part 4

Exhibit 3
Amended Project Timeline with New Component(s)



Exhibit 3
City of San Bernardino Municipal Water Department
Ogden 12 MG Reservoir/System Wide Pipeline Replacement
PROJECT SCHEDULE

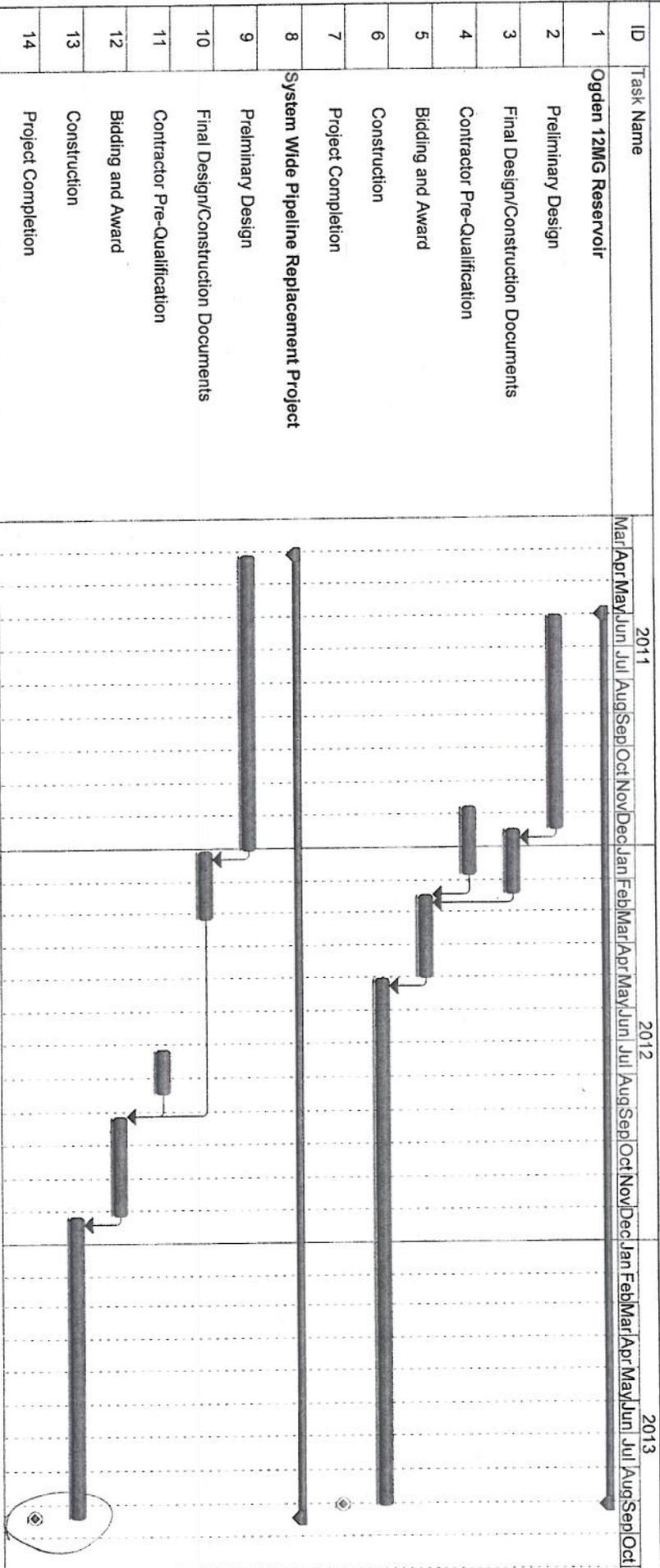


Exhibit 4
CEQA Documentation for New Component(s)



State of California—The Resources Agency
 DEPARTMENT OF FISH AND GAME
2012 ENVIRONMENTAL FILING FEE CASH RECEIPT

SEE INSTRUCTIONS ON REVERSE. TYPE OR PRINT CLEARLY

REIPT # **424598**
 STATE CLEARING HOUSE # (if applicable)

LEAD AGENCY SAN BERNARDINO MUNICIPAL WATER DEPT DATE 4-5-12
 COUNTY/STATE AGENCY OF FILING SAN BERNARDINO COUNTY DOCUMENT NUMBER

PROJECT TITLE SYSTEM-WIDE PIPELINE REPLACEMENT PROJECT

PROJECT APPLICANT NAME SAN BERNARDINO MUNICIPAL WATER DEPT PHONE NUMBER 909-384-5091
 PROJECT APPLICANT ADDRESS 300 W. BURNING STREET CITY SAN BERNARDINO STATE CA ZIP CODE 92418

PROJECT APPLICANT (Check appropriate box):
 Local Public Agency School District Other Special District State Agency Private Entity

CHECK APPLICABLE FEES:

- Environmental Impact Report (EIR) \$2,919.00
- Mitigated/Negative Declaration (ND)(MND) \$2,101.50
- Application Fee Water Diversion (State Water Resources Control Board Only) \$850.00
- Projects Subject to Certified Regulatory Programs (CRP) \$992.50
- County Administrative Fee \$50.00
- Project that is exempt from fees
- Notice of Exemption
- DFG No Effect Determination (Form Attached)
- Other \$

PAYMENT METHOD:
 Cash \$50.00 Credit Check Other
 TOTAL RECEIVED \$ 50.00

SIGNATURE [Signature] TITLE Deputy Clerk

WHITE - PROJECT APPLICANT YELLOW - DFG/ASB PINK - LEAD AGENCY GOLDEN ROD - COUNTY CLERK DFG 753.5a (Rev. 11/11)

Rec # 424598

Notice of Categorical Exemption

To: [] Interested Individuals
[] State Clearinghouse
[X] County Clerk, County of San Bernardino

From: San Bernardino Municipal Water Department
300 North "D" Street
San Bernardino, CA 92418

Contact: Michael Nevarez, Associate Engineer
(909)-384-5092

Project Title: System-Wide Pipeline Replacement Project

Project Location: The proposed project is located in several areas throughout the City of San Bernardino. These locations include:

- Temple Street between "F" Street and "G" Street
- Harrison Street between 26th Street and 27th Street
- Mountain View Avenue between 48th Street and 49th Street
- Trenton and "H" Streets
- Marshall Boulevard between "F" Street and "E" Street
- Garner Avenue between 10th Street and Olive Street
- Cajon Boulevard south of Medical Center Drive
- Alley west of Mount Vernon Avenue, between Belleview Street and Congress Street
- "K" Street at Hillcrest Avenue
- Giovanola Avenue, between Rialto Avenue and Belleview Street
- 3rd Street west of Mount Vernon Avenue
- Pico Avenue between Goodlett Street and north of 21st Street
- Herrington Avenue between Goodlett Street and Mount Vernon Avenue
- Parkdale Drive between Valencia Avenue and San Gabriel Street

Project Description: The project is needed to replace aging water infrastructure, and to provide safety improvements by improving fire flow rates to meet current standards. The project consists of the construction of approximately 9,500 linear feet of 8" ductile iron pipeline, 760 linear feet of 6" ductile iron pipeline, 50 linear feet of 4" ductile iron pipe, a 6" ACV (automated control valve) Station, relocation and renewal of 245 domestic, fire and landscape water services, and all associated work. All improvements will be contained within existing City streets and would not result in an expansion of the service area population.

Exemption Status: Categorical Exemption

CLERK OF THE BOARD

APR 05 2012

COUNTY OF

SAN BERNARDINO

DATE FILED & POSTED

Article 19, Categorical Exemptions, Sections 15300 to 15332 of the CEQA Guidelines contain a list of classes of projects that have been found by the State Resources Agency to have no significant effect on the environment and are declared to be categorically exempt from the provisions of CEQA. The proposed improvements are most closely related to Section 15302 which describes exemptions for Replacement or Reconstruction. This Section defines "Class 2" projects which consist of the replacement or reconstruction of existing structures and facilities where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced, including but not limited to:

- (a) Replacement or reconstruction of existing schools and hospitals to provide earthquake resistant structures which do not increase capacity more than 50 percent.
- (b) Replacement of a commercial structure with a new structure of substantially the same size, purpose, and capacity.
- (c) **Replacement or reconstruction of existing utility systems and/or facilities involving negligible or no expansion of capacity.**
- (d) Conversion of overhead electric utility distribution system facilities to underground including connection to existing overhead electric utility distribution lines where the surface is restored to the condition existing prior to the undergrounding.

Reasons for Exemption:

1. The proposed improvements consist of upgrades to replace aging water infrastructure. Since the proposed improvements involve replacement of existing utility systems to improve fire flow capability, the project would be considered consistent with Section 15302(c), referenced above.
2. The proposed improvements will not result in significant environmental impacts since it will be constructed within existing City streets and would only improve fire flow and would not result in an increase in customer base or lead to growth inducement. The San Bernardino Municipal Water Department and/or its contractor will, as standard construction practice, ensure that a traffic control plan is in place to minimize impacts on traffic flow. Construction would take place only during daylight hours to minimize noise impacts on adjacent residences and businesses.
3. The proposed improvements would not involve alteration to scenic highways or other scenic resources, damage to cultural resources including historic buildings or other such resources, nor would it be located on a hazardous waste site pursuant to Section 65962.5 of the Government Code.

4. The proposed improvements would not result in significant impacts due to cumulative projects of the same type in the same place.
5. There is not a reasonable possibility that the proposed improvements would have a significant environmental effect due to unusual circumstances at the project site or vicinity.

Lead Agency

Contact Person: Stacey Aldstadt Telephone: (909) 384-5091

Signature: *Stacey Aldstadt* Title: General Manager Date: 4/4/12

Exhibit 5
Adopted Resolution to Add New Component(s)

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A RESOLUTION OF THE BOARD OF WATER COMMISSIONERS OF THE CITY OF SAN BERNARDINO MUNICIPAL WATER DEPARTMENT, AUTHORIZING THE SUBMISSION OF THE AMENDMENT APPLICATION TO THE CALIFORNIA INFRASTRUCTURE AND ECONOMIC DEVELOPMENT BANK FOR FINANCING OF OGDEN 12 MG RESERVOIR AND SYSTEM WIDE PIPELINE REPLACEMENT PROJECT, DECLARATION OF OFFICIAL INTENT TO REIMBURSE CERTAIN EXPENDITURES FROM PROCEEDS OF OBLIGATION, AND APPROVING CERTAIN OTHER MATTERS IN CONNECTION THEREWITH.

WHEREAS, the California Infrastructure and Economic Development Bank (I-Bank) administers a financing program to assist local governments with the financing of Public Development Facilities as described in Section 63000 et seq. of the California Government Code (the Act); and

WHEREAS, the I-Bank has instituted an application process for financing under its Infrastructure State Revolving Fund Program (ISRF Program); and

WHEREAS, the City of San Bernardino Municipal Water Department (Applicant) approved Resolution No. 781 on August 16, 2011 certifying certain requirements required of the I-Bank financing and authorizing the General Manager to sign the application and any future amendments; and

WHEREAS, Applicant desires to submit an amendment application (Amended Financing Application) to the I-Bank from the ISRF Program for the inclusion of financing of the System Wide Pipeline Replacement Project (Project) in addition to the Ogden Reservoir Project in an amount not to exceed Ten Million Dollars (\$10,000,000.00); and

/////
/////

1 WHEREAS, the Act requires the Applicant to certify by
2 resolution certain findings prior to a Project being selected for
3 financing by the I-Bank; and

4 WHEREAS, the Applicant expects to pay certain expenditures
5 (Reimbursement Expenditures) in connection with the Project prior to
6 incurring indebtedness for the purpose of financing costs associated
7 with the Project on a long-term basis; and

8 WHEREAS, the Applicant reasonably expects that an amended
9 financing arrangement (Obligation) in an amount not expected to
10 exceed Ten Million Dollars (\$10,000,000.00) will be entered into and
11 that certain of the proceeds of such Obligation will be used to
12 reimburse the Reimbursement Expenditures; and

13 WHEREAS, the ISRF Program requires funding sources, other than
14 the I-Bank financing, be identified and approved prior to Project
15 financing approval by the I-Bank Board; and

16 NOW THEREFORE, the Board of Water Commissioners of the City of
17 San Bernardino Municipal Water Department does resolve as follows:

18 Section 1. The Board of Water Commissioners of the City of San
19 Bernardino Municipal Water Department hereby approves the filing of
20 an ISRF Program Amended Financing Application with the I-Bank for
21 the Project; and in connection therewith certifies:

22 a. that the Project is consistent with the General Plan of
23 both the City of San Bernardino and the County of San Bernardino;

24 b. the proposed financing is appropriate for the Project;

25 c. the Project facilitates effective and efficient use of
26 existing and future public resources so as to promote both economic
27 development and conservation of natural resources;

28 d. the Project develops and enhances public infrastructure in

1 a manner that will attract, create, and sustain long-term employment
2 opportunities; and

3 e. the Project is consistent with the I-Bank's Criteria,
4 Priorities, and Guidelines for the ISRF Program.

5 Section 2. The Applicant hereby declares its official intent
6 to use proceeds of the Obligation to reimburse itself for
7 Reimbursement Expenditures. This declaration is made solely for
8 purposes of establishing compliance with the requirements of Section
9 1.150-2 of the Treasury Regulations. This declaration does not bind
10 the Applicant to make any expenditure, incur any indebtedness, or
11 proceed with the Project.

12 SECTION 3. All of the Reimbursement Expenditures were made no
13 earlier than sixty (60) days prior to the date of this Declaration.
14 The Applicant will allocate proceeds of the Obligation to pay
15 Reimbursement Expenditures within eighteen (18) months of the later
16 of the date the original expenditure is paid or the date the Project
17 is placed in service or abandoned, but in no event more than three
18 (3) years after the original expenditure is paid.

19 SECTION 4. Stacey R. Aldstadt, General Manager, is hereby
20 authorized and directed to act on behalf of the Board of Water
21 Commissioners of the City of San Bernardino Municipal Water
22 Department in all matters pertaining to this amendment application.

23 SECTION 5. If the application is approved, Stacey R. Aldstadt,
24 General Manager, is authorized to enter into and sign the financing
25 documents and any amendments thereto with the I-Bank for the purpose
26 of this financing.

27 SECTION 6. This resolution shall become effective immediately
28 upon adoption.

