



# REPORT TO COUNCIL

## City of Sacramento

915 I Street, Sacramento, CA 95814-2604 20  
www. CityofSacramento.org

Consent  
May 25, 2010

Honorable Mayor and  
Members of the City Council

**Title: Contract: Fremont Area Sewer Rehabilitation – Phase 2 (X14010039)**

**Location/Council District:** The Fremont Area as related to this project is bounded by 5<sup>th</sup> Street, Fremont Way, Riverside Boulevard & Kit Carson Street / Council District 4.

**Recommendation:** Adopt a **Resolution** approving the plans and specifications for the project and awarding the contract to PIPEnology, Inc. for the construction of the project for an amount not to exceed \$405,250.

**Contact:** David L. Brent, Engineering Services Manager, 808-1420; Rick Batha, Supervising Engineer, 808-1448

**Presenters:** Not applicable.

**Department:** Utilities

**Division:** Engineering Services

**Organization No:** 14001321

### Description/Analysis

**Issue:** The Fremont Area is served by combined sewer pipelines that are located within backyard and side yard easements. In the spring of 2006, a failure of one of these pipelines caused a sinkhole to form, engulfing parts of 3 backyards and evoking an emergency response to repair the problem. Similar sinkholes have appeared in this general area in the past, indicating that the area is susceptible to future failures, perhaps due to age, original pipeline construction defects, soil conditions, and high annual groundwater. Internal CCTV inspection revealed cracked or broken pipeline segments, sags, offset joints and root intrusion. This project is the second of 4 phases to systematically line the sewer pipelines in this area to prevent further sinkholes from forming and restore the pipes to a like-new condition. These segments were selected for lining rather than repair or replacement because of construction access constraints.

**Policy Considerations:** The requested action is in conformance with City Code Section 3.60, Articles I and III, which provides that the City Council may award

competitively bid contracts to the lowest responsible bidder. This report's recommendation is consistent with the City's Strategic Plan goals of improving and expanding public safety. Staff has verified or will verify prior to the Notice to Proceed, that the bonds and insurance required for this project are valid.

**Environmental Considerations:**

**California Environmental Quality Act (CEQA):** The Development Services Department, Environmental Planning Services Division, has reviewed the proposed project and determined that it is categorically exempt from the provisions of CEQA under Class 1, Section number 15301(b)(d) and Class 2, Section number 15302(c).

A project exempted under Class 1, Section number 15301(b), consists of minor alteration or repair of existing facilities used to provide electric power, natural gas, sewerage, or other public utility services; under Class 1, Section number 15301(d), consists of restoration or rehabilitation of deteriorated or damaged structures or facilities to meet current standards of public health and safety; and under Class 2, Section number 15302(c) consists of replacement or reconstruction of existing utility systems and/or facilities. A Notice of Categorical Exemption will be filed with the County Clerk after the City Council awards the project.

**Sustainability Considerations:** The project is consistent with the City's Sustainability Master Plan by improving the system in order to reduce sanitary sewer overflows, which is one of the City's sustainability targets; and by improving reliability, which will reduce energy-intensive maintenance efforts.

**Other:** Not applicable.

**Commission/Committee Action:** Not applicable.

**Rationale for Recommendation:** The project was formally advertised to solicit public bids, and three (3) bids were received and opened by the City Clerk on April 28, 2010. The lowest, responsible bidder was PIPEnergy, Inc. Staff has verified the validity of their bid bond, determined the bid to be responsive, and recommends the contract be awarded to PIPEnergy, Inc.

**Financial Considerations:** The PIPEnergy, Inc. bid is for an amount not to exceed \$405,250. The total estimated project cost including design, construction, inspection, and contingency is estimated to be \$450,000. The project (X14010039) has sufficient sewer (6006) funds to award and complete the project.

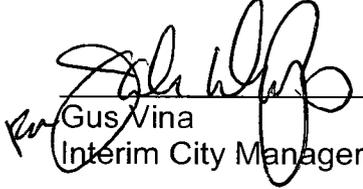
**Emerging Small Business Development (ESBD):** This project included a participation goal of 20% for emerging and small business enterprises (ESBEs) as

required by Ordinance 99-007 and Resolution 99-055 relating to ESBD participation goals and policies, adopted by City Council on February 9, 1999. PIPEnology, Inc. exceeded the ESBE goals with a participation level of 85.9%.

Respectfully Submitted by:   
David L. Brent  
Engineering Services Manager

Approved by:   
for Marty Hanneman  
Director of Utilities

Recommendation Approved:

  
Gus Vina  
Interim City Manager

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**Attachment 1**

**Background**

The Fremont Area is served by combined sewer pipelines that are located within backyard and side yard easements that provide sewer and drainage service to the area. In April 2006, an emergency contract was initiated to repair a sinkhole 30 feet in diameter that appeared over a 12-inch combined sewer main, engulfing parts of 3 backyards near the intersection of Fremont Way and San Luis Court. Similar sinkholes have appeared in this general area in the past, indicating that the area is susceptible to more catastrophic failures threatening property, perhaps due to original pipeline construction defects, soil conditions, and high annual groundwater.

As part of the FY2007/08 Capital Improvement Program, the Fremont Area Rehabilitation project was proposed to begin systematically lining all the combined sewer pipelines within the "Fremont Area." The Fremont Area is defined generally as the area between 5<sup>th</sup> Street and Riverside Blvd, 4<sup>th</sup> Avenue and McClatchy Way. The project was divided into four phases that are proposed to be implemented over the next four years.

Phase 1 has been completed. Phase 2 proposes to line approximately 2690 linear feet of deteriorating large diameter (30 & 33-inch) combined sewer pipeline that serves the entire Fremont Area with cured-in-place-pipe liner. Additional work includes reinstating all live laterals, and rehabilitating and replacing deteriorating manholes. Because of a history of trouble calls, the recent emergency work, poor area soils, and initial CCTV inspections that revealed deteriorating pipes in poor condition, but suitable for rehabilitation, these pipeline segments were identified and included in the scope for Phase 2.

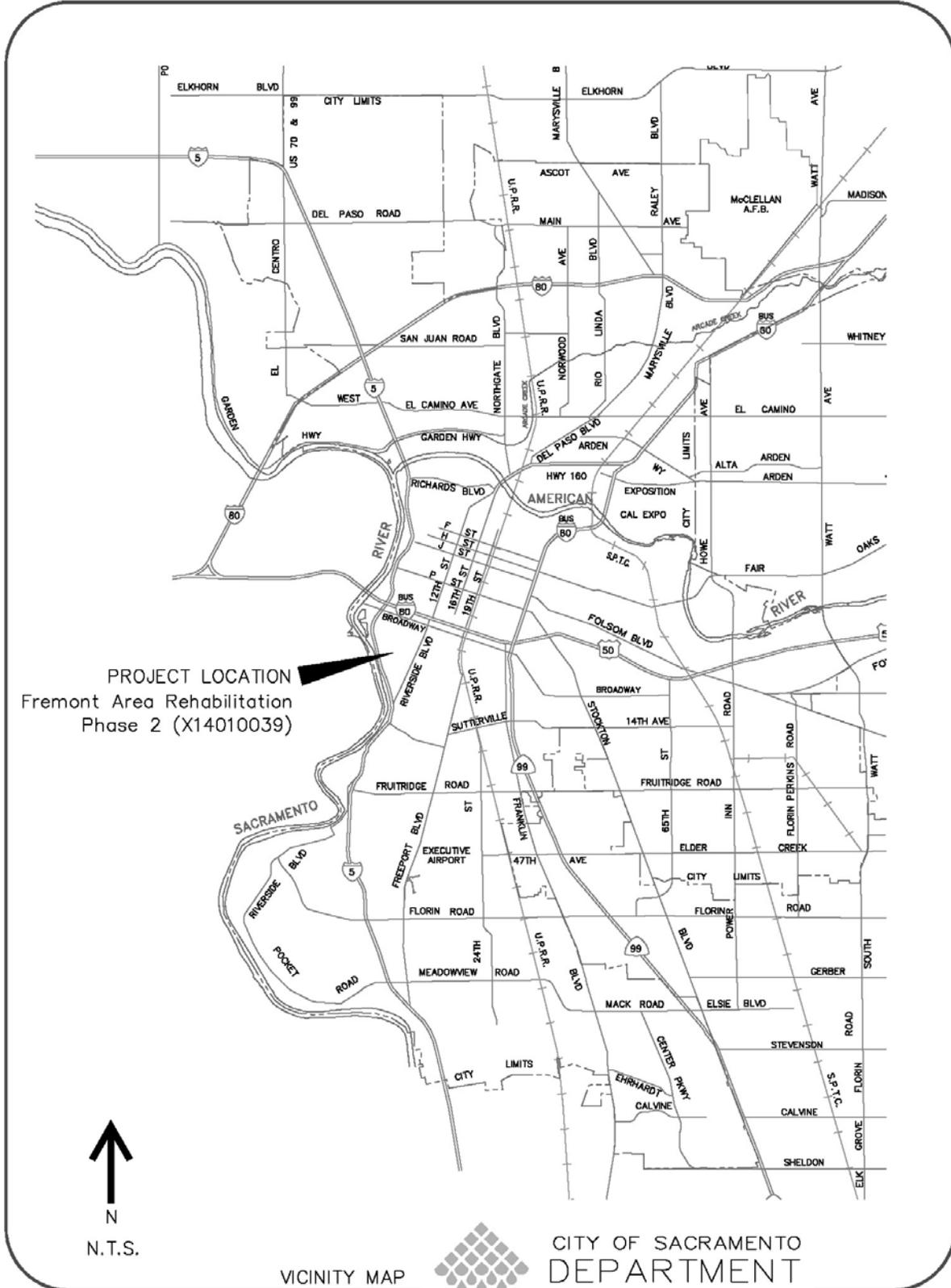
This project was advertised and three (3) bids were received and opened on April 28, 2010. The bids are summarized below:

<b>Contractor</b>	<b>Bid Amount</b>
Pipenology, Inc.	\$405,250
Insituform Technologies, Inc.	\$458,912
Michels Pipeline Construction	\$466,485

The engineer's construction estimate was \$395,000.

### Location Map 1

### Fremont Area Sewer Rehabilitation – Phase 2 (X14010039)



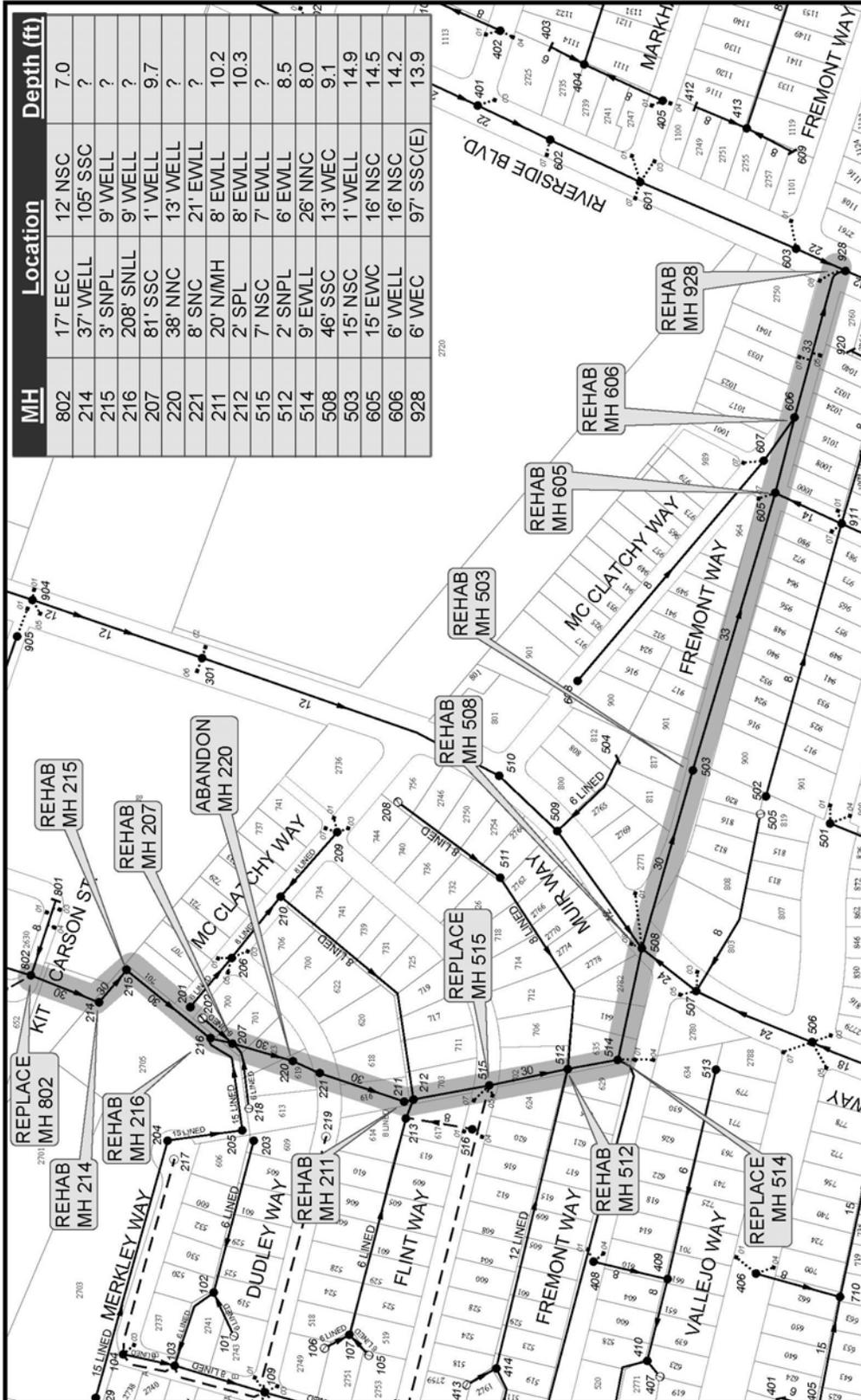
VICINITY MAP



CITY OF SACRAMENTO  
DEPARTMENT  
OF UTILITIES

Location Map 2

Fremont Area Sewer Rehabilitation – Phase 2 (X14010039)



**CONTRACTOR SHALL:**  
 LINE APPROX 1,725 LF OF 30-INCH COMBINED SEWER MAIN  
 LINE APPROX 965 LF OF 33-INCH COMBINED SEWER MAIN  
 INTERNALLY REINSTATE ALL LIVE SEWER SERVICES

**NOTES:**  
 THE FOLLOWING ARE STANDARD MANHOLES:  
 214, 215, 216, 220, 221, 508, 503, 605, 606  
 THE FOLLOWING MANHOLES ARE SADDLE MH'S CONSTRUCTED ON TOP OF THE  
 30" / 33" PIPELINE: 802, 207, 211, 212, 512, 515, 514, 928

**FREMONT AREA REHABILITATION  
 PHASE 2 - CIPP LINING**

**CITY OF SACRAMENTO  
 DEPARTMENT  
 OF UTILITIES**

APPROVED BY: D. MATHISON NO SCALE  
 DRAWN BY: D. MATHISON DWG. NO.: 1  
 SEWER BOOK PAGE(S): GG13, FF13

**RESOLUTION NO. 2010-**

Adopted by the Sacramento City Council

May 25, 2010

**FREMONT AREA SEWER REHABILITATION – PHASE 2  
(X14010039)**

**BACKGROUND**

- A. The Department of Utilities has identified the combined sewer pipelines within the Fremont Area to be in poor condition with a history of failure and in need of rehabilitation. The project has been designated as the second of four phases to repair approximately 2690 linear feet of combined sewer pipelines within the Fremont area by lining them with a cured-in-place-pipe (CIPP) liner.
- B. City staff prepared the plans and contract specifications to rehabilitate the identified sewer pipelines and manholes to improve these facilities and public safety. The project was advertised and three (3) bids were received on April 28, 2010. PIPEnology, Inc. was the lowest responsive and responsible bidder.

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

- Section 1. The plans and specifications for the Fremont Area Sewer Rehabilitation – Phase 2 (X14010039) are approved, and the contract is awarded to PIPEnology, Inc., for an amount not to exceed \$405,250.