



REPORT TO COUNCIL

City of Sacramento

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

Consent
December 9, 2008

Honorable Mayor and
Members of the City Council

Title: Contract: Fremont Area Sewer Rehabilitation – Phase 1 (X14010034)

Location/Council District: The Fremont Area as related to this project is bounded by 5th St, Fremont Way, Muir Way & McClatchy Way in Council District 4.

Recommendation: Adopt a **Resolution:** 1) approving the contract specifications; and 2) awarding the contract to Pipenology Inc. for an amount not to exceed \$265,740.

Contact: David L. Brent, Engineering Manager 808-1420; Richard 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 first 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.

Environmental Considerations:

California Environmental Quality Act (CEQA): Under the California Environmental Quality Act (CEQA) guidelines, this project is exempt under Class 1, Section number 15301(b) (d) and Class 2, Section number 15302(c). 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. 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. Class 2, Section 15302 (c) consists of replacement or reconstruction of existing utility systems and/or facilities.

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

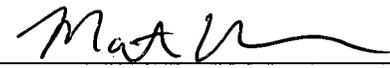
Commission/Committee Action: Not applicable

Rationale for Recommendation: City Council approved the capital improvement project, Fremont Area Sewer Rehabilitation – Phase 1, (X14010034), with adoption of the Fiscal Year 2007/08 budget. Engineering Services developed plans and specifications and advertised the project for public bids. On November 12, 2008, the City Clerk opened four bids and Pipenology, Inc. was the lowest responsible bidder. Staff recommends contract award to Pipenology, Inc.

Financial Considerations: The construction contract is for an amount not to exceed \$265,740, and the total project cost including design, construction, inspection and contingency is estimated to be \$340,000. There are sufficient sewer funds (Fund 6006) in the Fremont Area Sewer Rehabilitation – Phase 1 project to award the contract.

Emerging Small Business Development (ESBD): This project included a participation goal for emerging and small business enterprises 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. The participation goal for this project is 20%. The lowest responsible bidder, Pipenology, Inc., met the ESBE goal with a participation level of 89%.

Respectfully Submitted by: 
David L. Brent,
Engineering Services Manager

Approved by: 
Marty Hanneman
Interim Director of Utilities

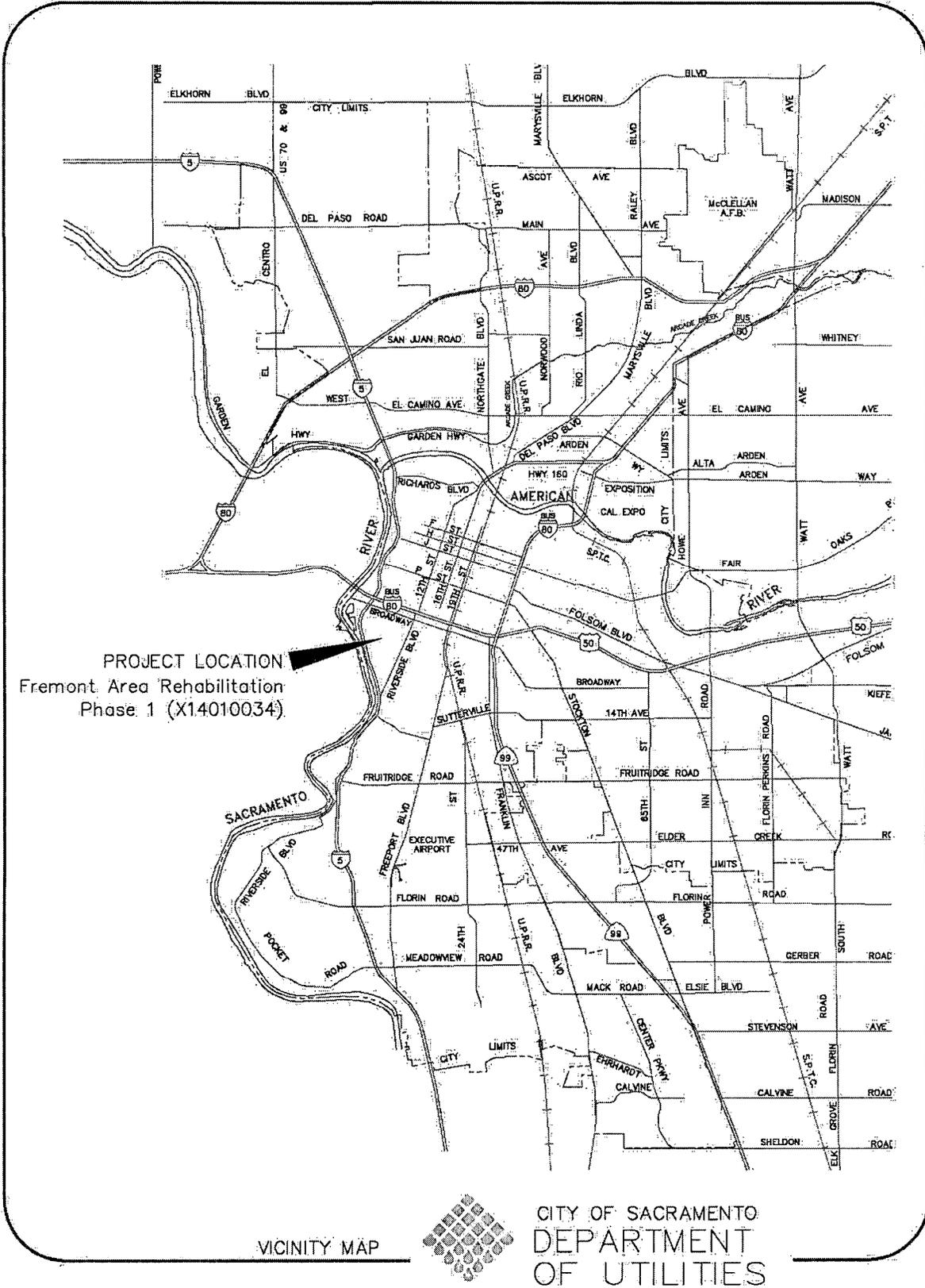
Recommendation Approved:

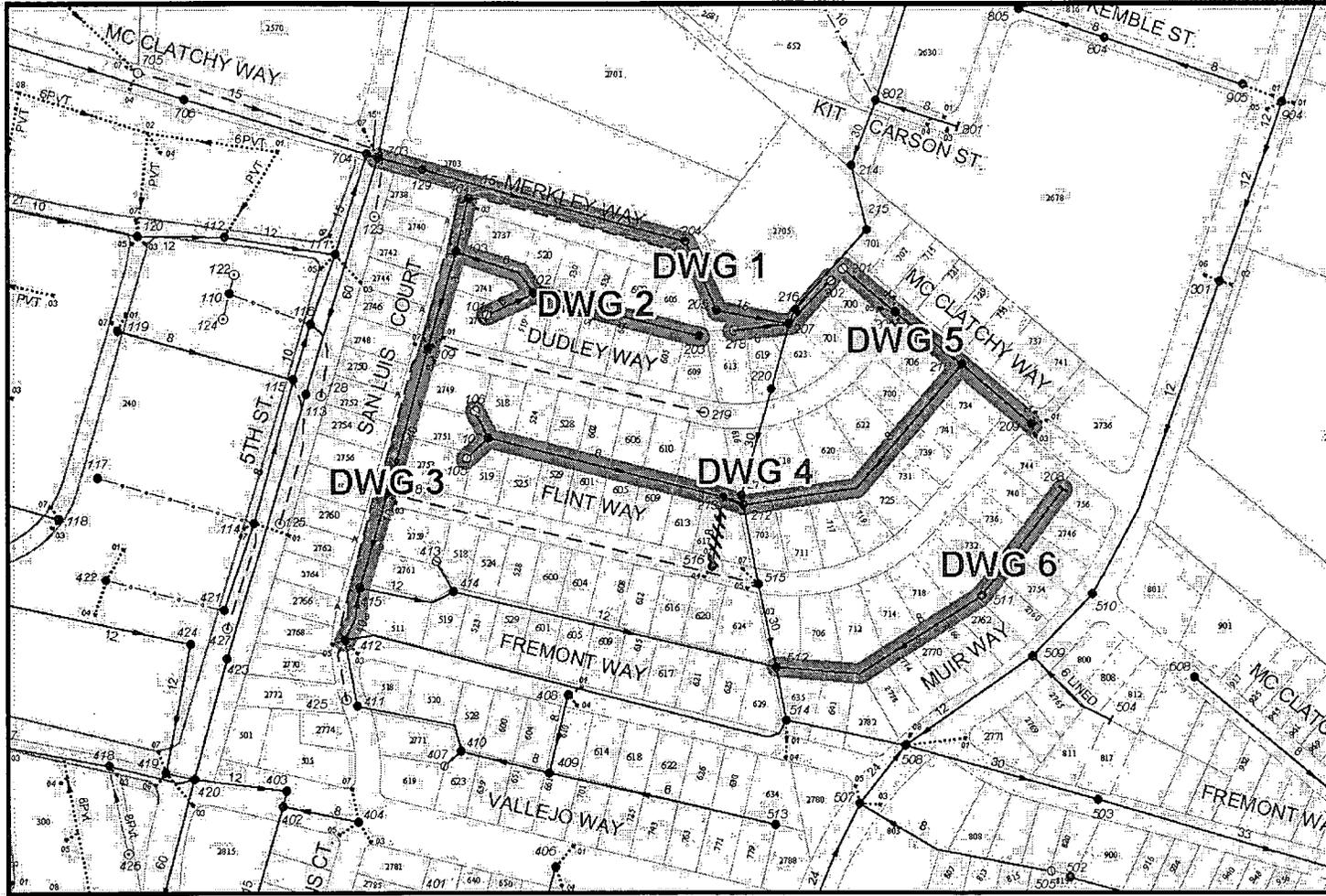

Ray Kerridge
City Manager

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Location Map 1





DWG 1 - MERKLEY WAY

DWG 4 - DUDLEY / FLINT

DWG 2 - DUDLEY / MERKLEY

DWG 5 - McCLATCHY WAY

DWG 3 - SAN LUIS CT.

DWG 6 - FLINT / MUIR



CITY OF SACRAMENTO
DEPARTMENT
OF UTILITIES



**Fremont Area Rehabilitation - Phase 1
OVERALL MAP**

APPROVED BY: D. MATHISON

DRAWN BY: D. MATHISON

SEWER BOOK PAGE(S): GG13 &

Attachment 2

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 5th Street and Riverside Blvd, 4th Avenue and McClatchy Way. The project was divided into four phases that are proposed to be implemented over the next four years.

Phase 1 proposes to line approximately 4090 linear feet of deteriorating combined sewer pipelines with cured-in-place-pipe liner in the northwest quadrant of the Fremont Area. Additional work includes reinstating all live laterals and rehabilitating 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, 7 pipeline segments were identified and included in the scope for Phase 1.

This project was advertised and four (4) bids were received and opened on November 12, 2008. The bids are summarized below:

Contractor	Bid Amount
Pipenology, Inc.	\$265,740
J.F. Pacific Liners, Inc.	\$276,901
Michels Pipeline Construction	\$311,340
Insituform Technologies, Inc.	\$343,250

The engineer's construction estimate was \$365,000.

RESOLUTION NO.

Adopted by the Sacramento City Council

**AWARD CONTRACT FOR FREMONT AREA SEWER REHABILITATION –
PHASE 1 PROJECT
(X14010034)**

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 designed as the first of four phases to repair approximately 4090 linear feet of combined sewer pipelines within the Fremont Area by lining them with a cured-in-place-pipe (CIPP) liner.
- B. City staff has prepared plans and specifications to rehabilitate the identified sewer segments and manholes to improve sewer function and to preserve public safety. The project was advertised for public bidding and bids were received on November 12, 2008. Pipenology, Inc. was the lowest responsible bidder.

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

- Section 1. The contract plans and specifications for the Fremont Area Sewer Rehabilitation – Phase 1 project (X14010034) are approved and the contract is awarded to Pipenology, Inc. for an amount not to exceed \$265,740.