



REPORT TO COUNCIL City of Sacramento

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

Consent
August 5, 2010

Honorable Mayor and
Members of the City Council

**Title: Agreements: Sanitary Sewer Pipe System Condition Assessment Project
(X14010035)**

Location/Council District: Various locations within Council Districts 3, 4, 5, and 6.

Recommendation: Adopt a **Resolution:** 1) authorizing the City Manager to transfer \$179,000 of Sewer Funds (Fund 6006) from the Condition Assessment Project (X14010021) to the Sanitary Sewer Pipe System Condition Assessment Project (X14010035) and 2) authorizing the City Manager to sign Professional Services Agreements with Hydromax USA, for an amount not to exceed \$250,000, and with RedZone Robotics, Inc., for an amount not to exceed \$249,968.08, to conduct pilot inspections for condition assessments of the City's largest and most critical sanitary sewer pipes using multi-sensor technology.

Contact: David L. Brent, Utilities Department, Engineering Services Manager, 808-1420; Rick Matsuo Supervising Engineer, 808-1728

Presenters: Not applicable

Department: Utilities

Division: Engineering Services

Organization No: 14001321

Description/Analysis

Issue: Some of the City's largest and most critical sewer pipe was constructed as early as the late 1800s and has met or is approaching the end of its useful life. A condition assessment of the City's system using multi-sensor technologies that include closed circuit television (CCTV), laser, and sonar is necessary for determining the priority of planning studies, rehabilitation and/or replacement projects, as well as preventative maintenance scheduling. Two firms were selected as the top ranked firms through a RFP process.

Policy Considerations: The proposed actions are consistent with the

Sacramento City Code, Title 3 and are consistent with the City's strategic goal to achieve sustainability by implementing strategies to improve overall operational efficiency and customer service without expending additional City resources. Staff has documented that Hydromax USA and RedZone Robotics, Inc. have valid insurance policies in place as required.

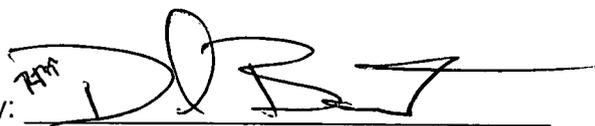
Environmental Considerations:

California Environmental Quality Act (CEQA): Environmental Planning Services has determined that Professional Services Agreements for condition assessment activities are exempt from the California Environmental Quality Act (CEQA), pursuant to Section 15061(b)(3) of the CEQA Guidelines. Section 15061(b)(3) provides that activities are covered by the general rule that CEQA applies only to projects which have the potential for causing a significant effect on the environment. Where it can be seen with certainty that there is no possibility that the activity in question may have a significant effect on the environment, the activity is not subject to CEQA.

Rationale for Recommendation: The Department of Utilities utilizes condition assessments to prioritize planning studies, rehabilitation and/or replacement projects, and for preventative maintenance scheduling. The inspection services are necessary to accurately assess the condition of the city's most critical sewer pipe infrastructure using the latest multi-sensor technology which Utilities is not able to provide for its large diameter pipe. A Request for Proposals (RFP) was advertised, four proposals were evaluated and the two highest ranked firms were selected to provide these services.

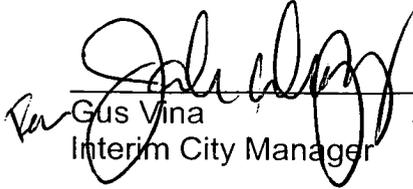
Financial Considerations: Additional funds are needed to award these contracts for the Sanitary Sewer Pipe System Condition Assessment Project (X14010035). Once the available balance of sewer funds (Fund 6006) in the amount of \$179,000 is transferred to X14010035 (from X14010021) there will be sufficient funds to award the contracts: Hydromax USA, not to exceed \$250,000, and RedZone Robotics, Inc., not to exceed \$249,968.08.

Emerging Small Business Development (ESBD): Hydromax USA and RedZone Robotics, Inc. are not ESBE firms.

Respectfully Submitted by: 
 David L. Brent
 Engineering Services Manager

Approved by: 
 Marty Hanneman
 Director of Utilities

Recommendation Approved:

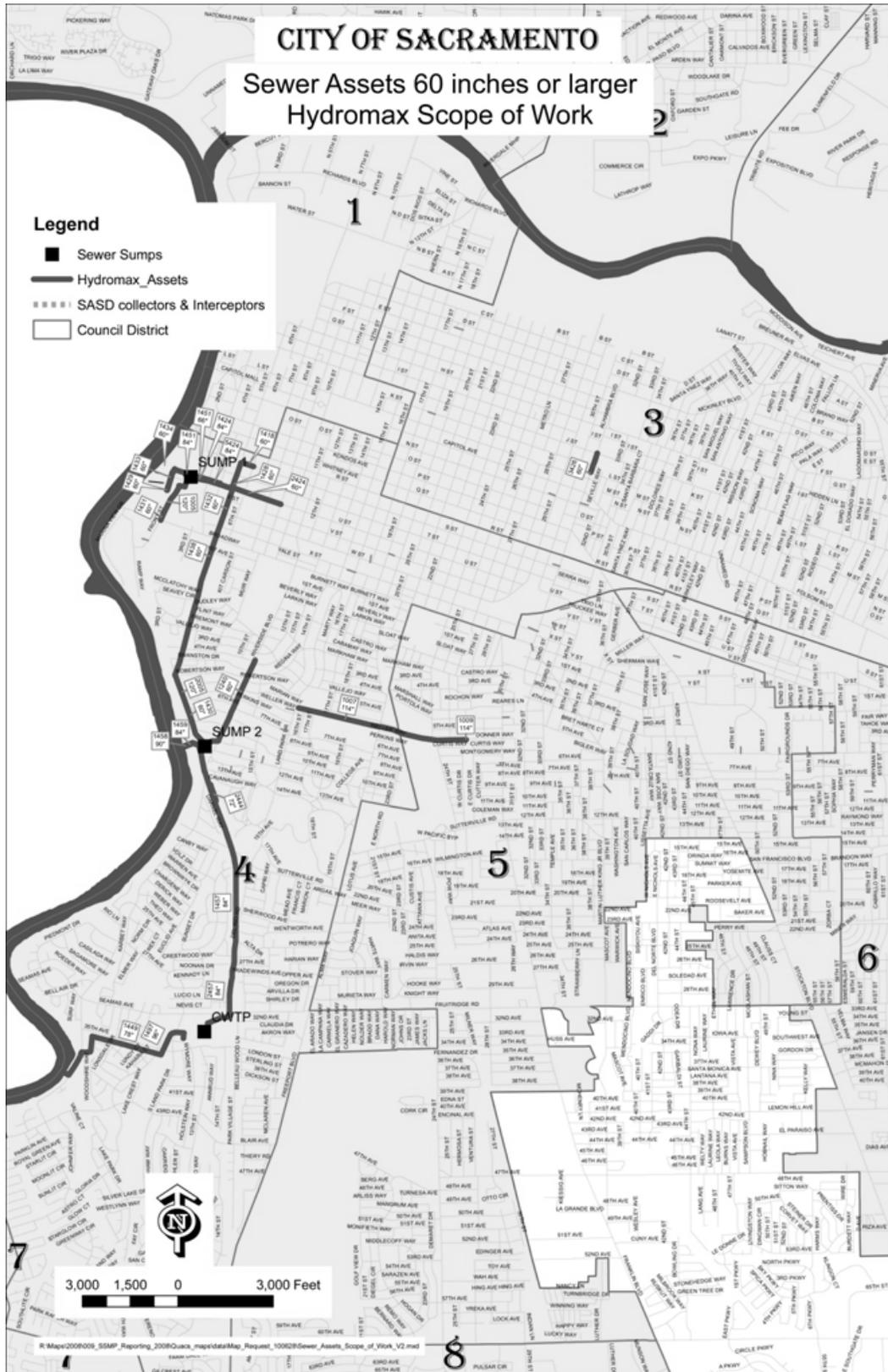


Gus Vina
Interim City Manager

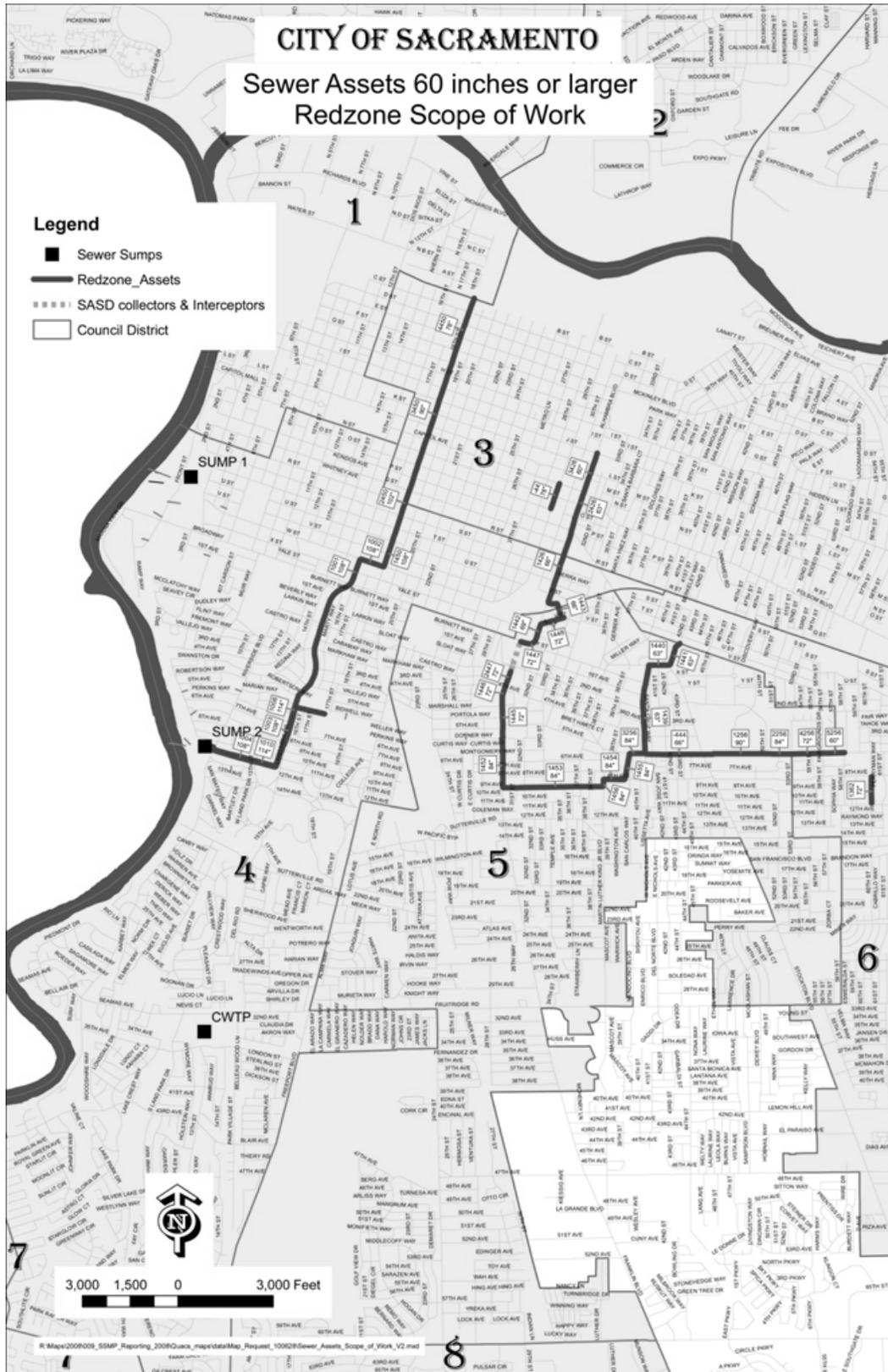
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Location Map – Hydromax USA



Location Map – RedZone Robotics, Inc.



Attachment 3

Background:

Nine billion gallons of sewage waste per year are carried through approximately 1000 miles of sewer pipeline and pumped by thirty-nine sewage lift stations. All this sewage is routed to the Sacramento Regional Water Treatment Plant (SRWTP) where it receives primary and secondary treatment before it is discharged to the Sacramento River. Portions of the City's most critical sanitary sewer pipes are over 100 years old. In order to continue uninterrupted wastewater conveyance and treatment service to the businesses and citizens of Sacramento, protect public health and safety, protect the environment and meet all federal, state, and local regulatory requirements and permits, there is an on-going need to inspect, assess the condition, maintain, plan and upgrade the various components of the City's wastewater facilities.

To minimize adverse impacts on the environment and to comply with the regulations affecting the operation of the collection system, the City continues to evaluate the condition of its sewer pipe infrastructure prior to making important decisions with regard to rehabilitation and replacement. This project will assess the condition of the city's aging sewer pipes (60-inches and greater).

The Department advertised a Request for Proposals on May 12, 2010 for sanitary sewer pipe system condition assessment. The following four firms submitted proposals:

FIRM	ESBE
AquaCoustic Remote Technologies, Inc.	No
Hibbard Inshore*	No
Hydromax USA	No
RedZone Robotics, Inc.	No

* Hibbard Inshore proposal rejected as nonresponsive due to failure to submit separate sealed price proposal.

A panel of City staff from the Departments of Utilities and the City of Roseville's Environmental Utilities evaluated and ranked the proposals based on experience, technical expertise, available resources, knowledge of the City's sewer facilities, proposal quality and completeness, references, and ESBE utilization. Utilities is recommending that agreements be executed with the two highest ranked firms: Hydromax USA and RedZone Robotics, Inc.

Attachment 4

RESOLUTION NO. 2010-
Adopted by the Sacramento City Council

August 5, 2010

**APPROVING AGREEMENTS FOR THE SANITARY SEWER PIPE SYSTEM
CONDITION ASSESSMENT PROJECT (X14010035)**

BACKGROUND

- A. Portions of the City's largest and most critical sewer pipe were constructed as early as the late 1800s and have met or are approaching the end of their useful life. In order to continue uninterrupted wastewater conveyance and treatment service to the businesses and citizens of Sacramento, protect public health and safety, protect the environment and meet all federal, state, and local regulatory requirements and permits, there is an on-going need to inspect, assess the condition, maintain, plan, and upgrade the various components of the City's wastewater facilities.
- B. In May, 2010, the Department of Utilities issued a Request for Proposals for sanitary sewer pipe condition assessment. Hydromax USA and RedZone Robotics, Inc. were selected as the two top ranked firms to provide these services.

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

- Section 1. The City Manager is authorized to transfer \$179,000 sewer funds from the Condition Assessment Project (X14010021) to the Sanitary Sewer Pipe System Condition Assessment Project (X14010035).
- Section 2. The City Manager is authorized to sign a Professional Services Agreement for sanitary sewer pipe system condition assessment with RedZone Robotics, Inc. for an amount not to exceed \$249,968.08.
- Section 3. The City Manager is authorized to sign a Professional Services Agreement for sanitary sewer pipe system condition assessment with Hydromax USA for an amount not to exceed \$250,000.