

Appendix E-3

TECHNICAL MEMORANDUM

130668-002

November 30, 2006

TO: ART O'BRIEN, CITY OF ROSEVILLE

FROM: PATRICK HASSEY, BROWN AND CALDWELL
CHRIS PETERS, BROWN AND CALDWELL

SUBJECT: SEWER SYSTEM MANAGEMENT PLAN (SSMP) PREPAREDNESS AUDIT –
DESIGN AND PERFORMANCE PROVISIONS ELEMENT V)

The California State Water Resources Control Board Order No. 2006-0003 outlines the requirements for the Statewide General Waste Discharge Requirement (WDR) for Wastewater Collection Agencies. Item V of the WDR states that the Enrollee (City of Roseville) shall have “design and construction standards and specifications for the installation of new sanitary sewer systems, pump stations and other appurtenances; and for the rehabilitation and repair of existing sanitary sewer systems; and procedures and standards for inspecting and testing the installation of new sewers, pumps and other appurtenances and for rehabilitation and repair projects.”

This Technical Memorandum summarizes the results of an evaluation to determine if elements of the City's current sewer system management program are in compliance with Element V of the Statewide WDR.

Data Collection and Review

Brown and Caldwell (BC) reviewed the following Design and Construction documents provided by the City to determine if they meet the requirements of Element V of the WDR.

- City of Roseville Design and Construction Standards – Section 9 “Sanitary Sewer Design.”
- City of Roseville Design and Construction Standards – Section 91 “Sanitary Sewer System Construction.”
- City of Roseville Sanitary Sewer Capital Improvement Plan-Section 3 “Applicable pipeline rehabilitation and repair techniques”

Evaluation

The documents provided by the City were reviewed to determine if the City is in compliance with the WDR. Program enhancements are identified if shortfalls were identified in the evaluation.

The City's design and construction standards and specifications for the installation and testing of new sanitary sewer systems, pump stations and other appurtenances meet the requirements of the WDR.

The City's sanitary sewer capital improvement program provides the rehabilitation and point repair standards and techniques that will be used. Specific specifications will be created on a case by case basis for projects where these standards and techniques are implemented. New specifications will be placed in the appendix of the City's SSMP and located in the Collection System Superintendents' office. These rehabilitation standards and techniques do meet the requirements of the WDR.

The City's efforts to identify capacity enhancement measures meet the intent of part (a) and (b) of Element V.