



MARINA COAST WATER DISTRICT

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Executive Committee Meeting

Marina Coast Water District
11 Reservation Road, Marina, California

Date: January 27, 2012
Time: 10:00 a.m.
Location: Marina Coast Water District Board Room

Committee Members

Dan Burns
Howard Gustafson
Kenneth Nishi – Alternate

Agenda

This meeting has been noticed according to the Brown Act rules.

1. Call to Order
2. Public Comment on any item Not on the Agenda *Anyone wishing to address the Committee on matters not appearing on the Agenda may do so at this time. Please limit your comment to three minutes. The public may comment on any other item(s) listed on the Agenda at the time the item(s) is considered by the Committee.*
3. Receive Draft Minutes of December 27, 2011
4. Receive Report on the Sewer Backwater Protection
5. Discuss Possible Brown Act Violation and Provide Direction
6. Review Agenda Items for the February 14, 2012 Board Meeting and Provide Direction
7. Discuss Possible Agenda Items for Next Committee Meeting
8. Committee Member Comments
9. Adjournment

Marina Coast Water District
Executive Committee
Staff Report

Agenda Item: 4

Meeting Date: January 27, 2012

Submitted By: Carl Niizawa
Reviewed By: Jim Heitzman

Presented By: Carl Niizawa

Agenda Title: Backwater Protection

Detailed Description: At the December Executive Committee meeting, more details backwater issues was requested, including the District's practice with new development, the experience of other agencies, and more details on the backwater incident at the Community Partners Building.

Community Partners Building Incident and District History of Backwater Complaints
(See attachment A).

District Backwater Policy

In review of comparative practice for backwater protection with other agencies, it was found that the District is more aggressive with than other agencies. The District's policy (see attachment B) is for all laterals to have backwater protection, either an overflow device or a backwater valve, and the backwater valve to be installed:

1. When backwater protection is required.
2. When the lowest floor elevation is below the street or less than 1 foot above the top of the concrete box containing the overflow device.
3. Sewage cannot be allowed to overflow on the surrounding area

It is notable that #1 and #3 can be subjective to the reviewer.

Significantly, it appears from review of the California Uniform Plumbing Code and discussion with other agencies, that the District policy is not consistent the State Code:

2006 California UPC

710.0 Drainage of Fixtures Located Below the Next Upstream Manhole or Below the Main Sewer Level.

710.1 Where a fixture is installed on a floor level that is lower than the next upstream manhole cover of the public or private sewer, serving such drainage piping, shall be protected from backflow of sewage by installing an approved type of backwater valve. Fixtures on floor levels above such elevation shall not discharge through the backwater valve.

The last line of the 710.1 prohibits drainage from floors above the rim elevation of the upstream manhole from going through the backwater valve. Officials from Watsonville and the City of Los Angeles confirmed this.

District's Practice with Recent Developments

From a survey done of recent developments on installation of backwater valves:

Target, Dunes on Monterey Bay (University Villages) – The business installed a backwater valve. Several of the businesses within that general development area installed backwater valves.

304 Hillcrest, Marina Teen Center – A clean-out was installed but no backwater valve. No detail for the clean-out or a backwater valve was within the file. The sewer flow is lifted to street elevation by a small pump station; the pump station is specified with a check valve.

Imjin Office Park, FORA and Carpenters Union Buildings – Both existing structures have backwater valves installed.

Stilwell Kidney Residential Development – Backwater valves were installed on residential structures that had floor elevations lower than the elevation of the upstream manhole rim. Approximately ten such structures were within the project; all other residential structures did not have backwater valves installed.

740 Neeson, near Marina Airport – Clean-outs were installed but no backwater valves; the Detail sheet included in the file shows both MCWD Standard Detail S-7 (for Clean-outs) and S-13 (for Backwater Protection).

Monterey Peninsula College, Public Safety Training in Seaside – Clean-outs were installed but no backwater valves; the Detail sheet included in the file shows both MCWD Standard Detail S-7 (for Clean-outs) and S-13 (for Backwater Protection).

Monterey College of Law – Clean-outs were installed but no backwater valves; the Detail sheet included in the file shows only MCWD Standard Detail S-7 (for Clean-outs).

Monterey Peninsula College, Marina Campus – Clean-outs were installed but no backwater valves; the Detail sheet included in the file shows only MCWD Standard Detail S-7 (for Clean-outs).

Community Hospital of Monterey Peninsula – Clean-outs were installed but no backwater valves; the Detail sheet included in the file shows both MCWD Standard Detail S-7 (for Clean-outs) and S-13 (for Backwater Protection).

Wal-Mart, in Marina – No backwater valve was installed but several clean-outs were added.

California Department of Parks and Recreation, Marina State Beach ADA Improvements - A backwater valve currently is proposed within this project.

Shell Gas Station, Del Monte & Reindollar in Marina – A backwater valve currently is proposed within this project.

Experience of other Agencies with backflow issues:

Salinas - The largest sewer system in the area, the City of Salinas, indicates that they have about 5-7 complaints of backwater a year. They have not received any claims for compensation. Their policy is consistent with the state code.

Seaside – They receive 4-7 complaints a year on backwater. Their policy is consistent with the state code.

Monterey - The City had several lawsuits for sewage backups that they paid hundreds of thousands of dollars for. Aggressive requirement for such within the code and modified to 2' above. City policy inform properties at risk (several thousand) that the installation of the backwater valve is their responsibility and that the City would be responsible for backwater problems.

Watsonville – Application consistent with the code.

Los Angeles – Several problems, application consistent with the code.

Recommendation:

Staff revise District Standard for consistency with the state code.

Marina Coast Water District
Executive Committee
Staff Report

Agenda Item: 5

Date: January 27, 2012

Prepared By: Jim Heitzman

Subject: Discuss Possible Brown Act Violation

Summary: The Executive Committee will discuss a possible Brown Act violation by Director Shriner. The possible violation took place on January 16, 2012 following a special Board meeting.

Attachment: Article from the Monterey County Weekly that was published on January 16, 2012.

Marina Coast Water District
Executive Committee
Staff Report

Agenda Item: 6

Date: January 27, 2012

Prepared By: Jim Heitzman

Subject: Review Agenda Items for the February 14, 2012 Board Meeting and Provide Direction

Summary: The Executive Committee will review the draft agenda for February 14, 2012 and provide direction.

Attachment: Draft Agenda for February 14, 2012