

DISTRICT ENGINEER'S REPORT
September 29, 2006

TO: PBCSD Board of Directors

FROM: Michael Niccum, District Engineer

SUBJECT: **Utilities Operations and Maintenance
Report for 8/18/06 to 9/21/06**

1. SUMMARY OF MAINTENANCE ACTIVITY:

The maintenance department completed a circuit of line cleaning on the District collection system on September 13th, approximately 9 months after starting last December 17th and assisted the City of Pacific Grove on a minor sanitary sewer overflow. The maintenance department also coordinated a potable (fresh) water flush to the golf courses from Sept 8th to 13th, repaired piping at pump station P-5 (Easement below Sunset Lane), overhauled the pressure pump on PB-2 (the vacuum truck), coordinated garage door repairs and door repairs on PB-6 (the dump truck) and replaced a tire on utility truck PB-4. The flow meter at the District metering station located off of Carmel Way was replaced by Tesco Controls. The maintenance supervisor and engineering assistant attended California Water Environmental Association training related to sanitary sewer overflows.

In support of the Forest Lake Reservoir, the maintenance department coordinated the removal of several dead trees and brush at the project site, provided on-site support for the official dedication ceremony Sept 15th, installed a sump pump in the pipeline valve vault, and installed a lockable storage cabinet for the calibration equipment and chemicals in the treatment building.

2. WASTEWATER FLOW MEASUREMENTS:

An average daily wastewater flow of 577,000 gallons per day (gpd) was measured at the PBCSD Carmel gate flow metering station in August, which represents 30 % of the total flow of 1,893,000 gpd measured at the CAWD treatment plant. The measured PBCSD flow is 1 % above the five-year average of 571,000 gpd for August and the CAWD total flow is 2 % above the five-year average of 1,864,000 gpd for August. A chart showing the quantity of PBCSD wastewater flow recorded during the month of August and a graph showing average daily wastewater flows from PBCSD and the CAWD treatment plant for the past twelve months as well as the five-year average for each month is attached.

3. RECYCLED WATER USE:

Total irrigation water demand for the 2005-06 water year (October 1 to September 30) to date is 899 acre-feet including 747 acre-feet or 83 % of recycled water. Total demand for the water year is 5 % below the 11-year average usage of 943 acre-feet for this point in the water year. The September flushing cycle used 21 acre-feet of potable water. Approximately 146 acre-feet of potable water have been used in flushing cycles during the current water year, which accounts for 96 % of the total potable water use of 152 acre-feet.

Two attached charts show the total water and potable water usage recorded on a daily basis for August and September to date. Two additional charts and a graph summarize total, recycled and potable water usage on a monthly basis for the 2005-06 water year to date and for the previous eleven water years.

4. UNDERGROUND SERVICE ALERT CALLS:

During this period, the maintenance crew marked sewer or recycled water lines at the following locations in response to underground service alert (USA) calls. Contractors or other utilities are required to contact the USA system prior to performing construction activities that involve trenching or other underground work. The system is designed to provide underground utility locations to the contractor so that the construction work can be completed without damaging the existing utility lines. The District identifies the location of wastewater lines with green paint and recycled water lines with purple paint.

DATE	LOCATION
8/21/06	1050 Indian Village Road
8/22/06	1021 Adobe Lane
8/31/06	Intersection: Forest Lake Road / Lopez Road
8/31/06	1660 Sonado Road
8/31/06	4084 Crest Road
8/31/06	2964 Quarry Road
9/7/06	292 Cormorant Road
9/11/06	1518 Cypress Drive
9/13/06	1057 (Old) Stevenson Drive
9/18/06	3081 Bird Rock Road

5. SEWER LINES TV INSPECTIONS:

The maintenance department televised sewer lines using the new televising truck at the following locations.

DATE	LINE FOOTAGE	DESCRIPTION
8/30/06	1,070 feet	El Bosque Drive, Crest Road
8/31/06	565 feet	Griffin Road, Pine Meadows Way
9/19/06	300 feet	Mestres Drive

6. SEWER LINES CLEANING:

Lines were cleaned by the maintenance department using the combination line cleaning/vacuum truck at the following locations in the Country Club neighborhoods.

DATE	FOOTAGE	DESCRIPTION
8/17/06	2,386 feet	17-Mile Drive, Portola Road
8/21/06	4,773 feet	Ballantrae Lane, Padre Lane, Portola Rd.
8/22/06	5,901 feet	Portola Road, 17-Mile Dr., Cypress Golf
8/24/06	3,159 feet	Padre Lane
8/28/06	6,631 feet	Padre Lane, 17-Mile Drive
8/29/06	5,027 feet	Cabrillo Road, 17-Mile Dr, Stevenson Dr. Cypress Drive, Palmero Way
9/5/06	5,248 feet	Alva Lane, Ondulado Road, Stevenson Drive, Padre Lane
9/6/06	926 feet	Alva Lane
9/12/06	3,030 feet	Alva Lane, Lodger Townhouses
9/13/06	5,607 feet	Sunset Lane, Post Office Rd, Congress Rd 17-Mile Drive, Signal Hill Road
TOTAL FOR THIS PERIOD		42,688 feet
TOTAL PBCSD LINES		405,000 feet
PERCENTAGE CLEANED		11 %

7. SEWER CONNECTION PERMITS/INSPECTIONS:

DATE	ADDRESS	DESCRIPTION
8/17/06	2984 Sloat Rd APN: 007-224-006	Permit # 2893 to replace lateral Owner: Kenneth Buchert
8/22/06	3912 Ronda Rd APN: 008-233-020	Permit # 2894 to replace lateral Owner: Suzanne Thomas
8/22/06	1050 Indian Village Rd APN: 007-391-005	Permit #2895 to replace lateral Owner: Ken Bohrman
8/28/06	991 Pioneer Rd APN: 007-263-010	Permit #2896 demo-reconnect Owner: Clinton Howe
8/29/06	1010 Ocean Rd APN: 007-311-003	Permit #2897 to replace lateral Owner: Rob Serrano
9/18/06	1103 Portola Rd APN: 008-281-017	Permit #2898 to replace lateral Owner: Paul Miller
9/18/06	1242 Padre Lane APN: 008-471-020	Permit #2900 new guest house Owner: Robert Johnstone Jr.
9/19/06	1253 Portola Road APN: 008-292-012	Permit #2901 new guest house Owner: Arthur Chatoff

8. PLAN CHECKS FOR NEW SERVICE CONNECTIONS:

DATE	ADDRESS	DESCRIPTION
7/20/06	3350 17-Mile Drive APN: 008-423-039	4,446 SF Single Family Residence (“SFR”) Owner: Casa Robro LLC
7/25/06	3212 17-Mile Drive APN: 008-472-004	1,700 SF (Square Feet) Caretaker Unit Owner: George Roberts

9. PLAN CHECKS FOR ADDITIONS/REMODELING:

DATE	ADDRESS	DESCRIPTION
7/25/06	3212 17-Mile Drive APN: 008-472-004	8170 SF SFR Demo/Remodel Owner: George Roberts
9/8/06	3127 Patio Drive APN: 007-403-008	711 SF Addition Owner: Roger & Linda Rhoads
9/11/06	1230 Silver Court APN: 008-533-007	959 SF Addition Owner: Graeme MacKenzie
9/11/06	2943 17-Mile Drive APN: 007-231-023	824 SF Addition Owner: Ed Valencia
9/15/06	3162 Ferguson Lane APN: 008-171-035	1,543 SF Addition Owner: Mr. & Mrs. Erle Nye

Attachments: Wastewater Charts (2)
Recycled Water Charts (5)

Agenda Item No. 10