



October 18, 2023

TO: Utilities Advisory Committee (UAC)

FROM: Ron Munds, General Manager

SUBJECT: Agenda Item 5 – Cabrillo Stormwater Basin Status Report

STAFF RECOMMENDATION

President
Charles L. Cesena

Receive and file report

Vice President
Marshall E. Ochylski

Directors
Matthew Fourcroy
Troy C. Gatchell
Christine M. Womack

General Manager
Ron Munds

District Accountant
Robert Stilts, CPA

Unit Chief
John Owens

Battalion Chief
Paul Provence

DISCUSSION

At the September 20th UAC meeting, committee members requested an update on the status of the Cabrillo stormwater basin repairs and expenditures. The following is a summary of the actions, repairs and expenditures incurred since January 9, 2023. The UAC has been provided updates regarding the status of the repairs but has not received a comprehensive summary of the expenditures for the project. Detailed information on the costs is provided in this report.

Incident Timeline and Actions

January 9, 2023: At approximately 4:00 pm, a portion of the northeast corner of the basin wall collapsed releasing water and debris into the Vista de Oro neighborhood. Staff responded by mobilizing a team the next day to help stabilize the basin for future storms and releases downstream into the neighborhood. The contractor was able to stabilize the opening in the wall by moving and compacting a limited amount of dirt.

An interim response was formulated and constructed in three days prior to the next major storm on January 14th. This action provided protection to the neighborhood through the remaining rainy period which ended in April.

Geotechnical and civil engineering firms and a contractor began the design work on the larger emergency repair of the basin wall.

In the neighborhood, staff brought in roll-off containers to assist with the removal of damaged materials and home furnishings. Front loader tractors and dump trucks were also provided to move dirt and debris moved to the street by volunteers.

Staff engaged with FEMA to start the process for potential partial reimbursement for the disaster repair work.

February 2023: Work continued on the design for the repairs; the rain slowed in February which allowed some preliminary repair work by the contractor. Design

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work was completed during the third week in February and repair work began shortly after.

Cleanup efforts continued in the neighborhood.

Further engagement with FEMA and Cal OES continued.

March 2023: Repair work was well underway when a series of storms began that completely shut down construction. Much of the work performed was damaged by the series of intense storms through March.

Staff and the contractor worked to keep water flows through the basin at safe levels through the month of March.

Debris and dirt removal in the neighborhood was essentially completed and the tractor and dump truck operations ended.

Staff continued working with FEMA and Cal OES.

April 2023: Repair work was completed and the contractor demobilized and cleared the site. The geotechnical and civil engineers verified the work and as-built plans were produced.

Roll-off services continued for material removal from the houses.

Staff continued to work with FEMA and Cal OES on processing the information submittals required to apply for reimbursement.

May, June, July, August, September 2023: Staff continued work with FEMA and Cal OES on the reimbursement application and submittals. Follow-up work by the geotechnical and civil engineers continued based on FEMA's request for information. The geotechnical engineer is working on plans for a more comprehensive rehabilitation of the north basin wall. There is no timeline at this time on when that work will be completed.

Minimal roll-off service continues in the neighborhood; schedule for removal of roll-off service at the end of October.

Cost Summary to Date

Staff has broken down the costs for the four different components of the disaster recovery project. The following table provides the cost to date by component. An itemized cost breakdown is provided as an attachment to this report.

Description	Cost
General Legal	\$ 20,315.00
Neighborhood Asst.	\$ 44,886.06
Interim Repair	\$ 54,665.89
Emergency Repair	\$ 602,748.74
TOTAL	\$ 722,615.69

General Legal: General legal is the cost to date for engagement by the District's legal counsel and outside legal assistance. The original budget was estimated at \$50,000.

Neighborhood Assistance: Neighborhood assistance includes roll-off services for material removal, most being home furnishings and other items destroyed by the flood waters. Also included are the costs for portable

toilets used by volunteers and paid personnel during the recovery process. Lastly, the costs for a contractor to bring in tractors and dump trucks to remove approximately 500 cubic yards of dirt that was placed in the street by volunteers digging out the impacted homes.

Interim Repairs: Interim repairs were for the short-term work performed to protect the neighborhood from further flooding from the basin during subsequent rain events. The work entailed increasing the height of an external levy and blocking the culvert that allowed water to flow from the west part of the basin into the east area where the breach was located. The overflow structure was lowered so to release water into the outfall to keep water levels below the new height of the external levy. A portable pump was brought in to pump water into the overflow structure during rain events to help ensure the interim basin capacity wasn't overwhelmed. A k-rail barrier was constructed on the west side of Pecho Valley Road to keep the released water in the roadway and to protect the S&T Mutual Water Company's water tanks.

Emergency Repair: Emergency repair work were based on the recommendations from geotechnical engineer and plans and specifications prepared by the civil engineer. Using the plans and specifications, the contractor reconstructed the breached area and restored the internal structures including the overflow structure. The cost also includes the installation of a new 60 mil, HDPE liner along the entire north side of the basin wall.

Financial Summary

To date, the District has expended approximately \$722,600 on repairs, neighborhood assistance and legal costs associated with the Cabrillo basin disaster. The FEMA process is still moving along but there is some uncertainty on when a determination will be made for any reimbursement. The eligible costs at this time are about \$657,400. The maximum reimbursement at this time is 75% of this total or about \$494,000.

The Board approved a \$300,000 interfund loan from Fund 500 (water) to Fund 800 (drainage) to help cover the cost of all the expenses outlined in this report. Currently, Fund 800 has a cash balance as of 8/31/23 of approximately \$256,000. The loan will be paid back with interest over a five-year period. If the District is successful in receiving FEMA reimbursement, the loan could be paid off over a shorter period of time.

The fund is still incurring costs associated with the disaster. The District's geotechnical firm is working on a plan for further rehabilitation of the north basin wall. The budget for this work is \$28,000. This work will identify a future project with unknown costs at this time.

Attachments

Detail cost summary of Cabrillo basin expenditures

LOS OSOS COMMUNITY SERVICES DISTRICT
 Check/Voucher Register - Warrant Register for Board Packet
 From 1/1/2023 Through 9/30/2023

Description	Cost
General Legal	\$20,315.00
Neighborhood Asst.	\$44,886.06
Interim Repair	\$54,665.89
Emergency Repair	\$602,748.74
TOTAL	\$722,615.69

	Color Coding
General legal	
Interim repair	
Neighborhood Asst.	
Emergency repair	

Check No	Check Date	Vendor Name	Check Amount	Transaction Description
32032	3/9/2023	ADAMSKI MOROSKI MADDEN CUMBERLAND & GREEN LLP	400.00	01/01-31/23 General Legal Services
32067	3/29/2023	ADAMSKI MOROSKI MADDEN CUMBERLAND & GREEN LLP	10,700.00	02/01-28/23 General Legal Services
32131	5/15/2023	ADAMSKI MOROSKI MADDEN CUMBERLAND & GREEN LLP	3,250.00	03/01-31/23 General Legal Services
32208	8/3/2023	ADAMSKI MOROSKI MADDEN CUMBERLAND & GREEN LLP	1,000.00	05/01-31/23 General Legal Services
32510	6/21/2023	ADAMSKI MOROSKI MADDEN CUMBERLAND & GREEN LLP	350.00	04/01-30/23 General Legal Services
32301	10/4/2023	Murphy Austin Adams Schoenfeld, LLP	4,615.00	Legal Services - Cabrillo Basin
ACH 020823CC	2/8/2023	Cardmember Services	238.16	CC/Pall - Home Depot - Pond Liner, Seam Tape, Black Plastic
ACH M04072023	4/7/2023	Cardmember Services	190.31	CC/Pall - Home Depot - Pond Liner for Cabrillo Basin
15348325599	6/2/2023	COASTAL ROLLOFF SERVICE	954.39	40-Yard Roll off at 237 Vista Court
18649089869	7/5/2023	COASTAL ROLLOFF SERVICE	2,525.38	40 Yard Roll Off at 237 Vista Court
21541392645	8/3/2023	COASTAL ROLLOFF SERVICE	1,438.62	40 yard rolloff at 237 Vista Ct
24837335042	9/6/2023	COASTAL ROLLOFF SERVICE	1,457.42	40 Yd Roll Off at 237 Vista Court
ACH 2066180	3/2/2023	COASTAL ROLLOFF SERVICE	2,906.72	40 yard Roll Off at 237 Vista Court
ACH 4664047178	2/15/2023	COASTAL ROLLOFF SERVICE	4,150.11	January - 40 Yard Roll offs at 237 Vista Court
ACH 4664322179	2/15/2023	COASTAL ROLLOFF SERVICE	3,905.92	January - 40 Yard Roll Offs at 239 Vista Court
ACH 991772	3/2/2023	COASTAL ROLLOFF SERVICE	508.03	40 Yard Roll Off at 239 Vista Court
ACH12364240328	5/3/2023	COASTAL ROLLOFF SERVICE	2,410.59	40 Yard Rolloff at 237 Vista Court
ACH9447974094	4/4/2023	COASTAL ROLLOFF SERVICE	1,798.23	40 Yard Roll Off at 237 Vista Court
ACH 27654566465	10/3/2023	COASTAL ROLLOFF SERVICE	1,003.07	40 Yard Roll Off at 237 Vista Court
32106	5/4/2023	D & E CONSTRUCTION INC	36,250.00	Basin Liner Materials
32069	4/4/2023	Ecological Assets Management, LLC	3,000.00	March 2023 Biological Monitoring Cabrillo Basin
32126	5/10/2023	Ecological Assets Management, LLC	3,320.37	04/01-30/23 Biological Monitoring Cabrillo Basin
32212	8/3/2023	Ecological Assets Management, LLC	1,125.00	05/01/23-07/01/23 Biological Monitoring Cabrillo Basin
32068	3/30/2023	GEO SOLUTIONS INC	3,529.38	Compaction Testing - Cabrillo Basin
32111	5/4/2023	GEO SOLUTIONS INC	513.76	Compaction Testing - Cabrillo Basin
32026	3/2/2023	Hartzell General Engineering Contractor,	20,906.98	01/10/23-01/24/23 Neighborhood Assistance
32026	3/2/2023	Hartzell General Engineering Contractor, Inc	35,634.49	01/10/23-01/31/23 Basin Repair Work
32144	5/24/2023	Hartzell General Engineering Contractor,	428,848.27	02/08/23-04/20/23 - Hartzell Cabrillo Basin Repair Project
31997	2/8/2023	HARVEYS HONEYHUTS	290.15	2 Regular Units @ Vista Court

LOS OSOS COMMUNITY SERVICES DISTRICT
 Check/Voucher Register - Warrant Register for Board Packet
 From 1/1/2023 Through 9/30/2023

32061	3/28/2023	HARVEYS HONEYHUTS	190.15	2 Regular Units at Vista Court, Los Osos
32135	5/15/2023	HARVEYS HONEYHUTS	190.15	2 Regular Units @ Vista Court - Final Payment
32529	6/28/2023	HARVEYS HONEYHUTS	250.15	2 Regular Units @ Oakridge
ACH IROA14748	2/2/2023	MINER'S ACE HARDWARE	227.60	01/01-31/23 - Sandbags
32047	3/16/2023	MSN ENGINEERS INC	7,955.00	02/01-28/23 Professional Services ENG for Cabrillo Basin
32138	5/15/2023	MSN ENGINEERS INC	38,218.35	03/01-31/23 Professional Services - Cabrillo Basin
32138	5/15/2023	MSN ENGINEERS INC	12,694.34	04/01-30/23 Professional Services - Cabrillo Basin
32506	6/15/2023	MSN ENGINEERS INC	5,232.50	05/01-31/23 Professional Services - Cabrillo Basin
32522	6/21/2023	MSN ENGINEERS INC	7,523.57	01/01-06/20/23 Professional Services - Cabrillo Basin
31985	2/2/2023	PACIFIC PETROLEUM CALIFORNIA,	5,769.68	8 Sticks of K-Rail on Pecho Rail
32129	5/10/2023	PACIFIC PETROLEUM CALIFORNIA,	6,297.33	Equipment and Operator Charges
32129	5/10/2023	PACIFIC PETROLEUM CALIFORNIA,	676.00	Equipment Removal of K-Rail
32129	5/10/2023	PACIFIC PETROLEUM CALIFORNIA,	6,900.00	K-Rail Rental Fee
32129	5/10/2023	PACIFIC PETROLEUM CALIFORNIA,	8,850.00	K-Rail Rental Fee
32542	7/5/2023	SPECIAL DISTRICT RISK	500.00	Member#5454 - Claim#PD2223009180-0001 Deductible
32030	3/2/2023	WALLACE GROUP	5,895.96	Engineering Services
32077	4/4/2023	WALLACE GROUP	1,140.00	Engineering Services
32119	5/4/2023	WALLACE GROUP	2,945.00	Engineering Services
32173	6/6/2023	WALLACE GROUP	1,320.00	Engineering Services
32207	7/26/2023	WALLACE GROUP	210.00	Engineering Services
32270	9/7/2023	WALLACE GROUP	60.00	Engineering Services
32534	6/28/2023	WALLACE GROUP	400.00	Engineering Services - Prog C, St 15, State Water, Cabrillo
32049	3/16/2023	YEH AND ASSOCIATES, INC.	4,632.65	Storm Damage Response and Design
32099	4/21/2023	YEH AND ASSOCIATES, INC.	19,693.11	Storm Damage Response Progress Invoice through 03/25/23
32228	8/8/2023	YEH AND ASSOCIATES, INC.	4,770.00	Storm Damage Response Progreess Invoice 5
32228	8/8/2023	YEH AND ASSOCIATES, INC.	2,133.80	Storm Damage Response Progrss Invoice 3
32228	8/8/2023	YEH AND ASSOCIATES, INC.	720.00	Storm Damange Response Progress Invoice 4

Report Total

722,615.69