



## City of Rancho Palos Verdes – Program Manager RPV LANDSLIDE COMPLEX WORKING GROUP MEETING AGENDA, NOTES, AND ACTION ITEMS

Date/Time: June 26, 2024, 3:00 pm to 4:30 pm PST

Topic: **RPV Landslide Complex Working Group Meeting**

Attendees: **City of Rancho Palos Verdes:** Ara Mihranian, City Manager; Ramzi Awwad, Director of Public Works; David Copp, Deputy Director of Public Works; Cory Linder; Daniel Trautner; Brandy Forbes; Megan Barnes; Katie Lozano; Juan Hernandez; Brandon Mesker; David Rasor; Elena Gerli (attorney); John Fox (attorney)

**Hout Construction Services, Inc. (HCS):** Sam Hout, Program Manager; Yvette Holguin, Project Manager; Jayme Fairfield, Document Control Manager

**Cotton, Shires and Associates, Inc.:** Mike Phipps, Contract City Geologist, Pat Shires

**Los Angeles County Disaster Management Area G:** Brandy Villanueva

**Klondike Canyon Landslide Abatement District (KCLAD):** Steve Cummins; Scott Kerwin (Geologist)

**Abalone Cove Landslide Abatement District (ACLAD):** Gordon Leon; Scott Kerwin (Geologist)

**Seaview Residents Association:** Kit Song, Rayne Sherman (Alternate)

**Portuguese Bend Community Association (PBCA):** Kent Attridge, Claudia Gutierrez (Alternate)

**Portuguese Beach Club HOA:** Michael Barth, Andrew Ely, Eric Johnson

**Palos Verdes Peninsula Land Conservancy:** Cris Sarabia

**Cal Water:** Carmelo Sorce, Ralph Felix, Augie Beaza, Kevin McCusker, Ronald Sorensen

**Southern California Gas Company (SoCal Gas):** Ben Steinberger

**Southern California Edison (SCE):** Holly Essler, Mudila Kangulungu, Celina Luna (Alternate), Constance Turner (Alternate), Amber Topoleski, Taylor Garcia, James Edwards

**Frontier Communications:** Doug McAllister, Ramiro De La Cruz, William Kearns, Stephen McDonald

**Los Angeles County Public Works (LACPW):** Alex Villarama, Robert Swartz, Art Vander Vis (fire department), Brian Kane (fire department)

**Los Angeles County Sanitation District (LACSD):** Kevin Kim, Jared Abegg, Michael Chee

**City of Rolling Hills:** Karina Banales (City Manager), Samantha Crew, Christian Horvath

**Rolling Hills Community Association:** Kristen Raig

**Wayfarer's Chapel:** Rev. Dr. David Brown, Dan Burchett, Ben Gunter, Peter Gottschalk

Additional Community Attendees: Marianne Hunter, Kathy Snell, Nancy Kalthoff, Nikki Noushkam, Peter Shaw, Tami Podesta, Steve Hinchliff, Sha, Bob Locke, Jeremiah Sunwoo, Karen Miller, Deirdre Heimer, DJ, Lenae Bilski, Sheri, Max Barth

(Note: Those in attendance are in black; not in attendance are in gray)

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Working Group Purpose: *"We are committed to evaluating and addressing every concern the community has for this important initiative. We will look to share information and ideas amongst all the major stakeholders and initiate short-term measures for proactive success. The community has spoken and the City is taking action."*

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<b>TABLE 1: AGENDA ITEMS</b>		<b>Presenter(s)</b>
<b>DISCUSSION ITEMS</b>		
<b>Current, Short-Term, and Long-Term Mitigation Projects</b> <ul style="list-style-type: none"> <li>See Table 2 below.</li> </ul>		Ramzi Awwad Jayme Fairfield
<b>Declaration(s) of Emergency and Los Angeles County Disaster Management AREA G</b> <ul style="list-style-type: none"> <li>Residents have until 7/16/2024 to submit individual disaster assistance applications.</li> <li>The City held a meeting with FEMA regarding the public assistance and is preparing recovery estimates and claims. ACLAD and KCLAD are meeting with FEMA as well.</li> <li>Brandy Villanueva was not available for this meeting to provide any updates.</li> </ul>		Ara Mihranian Ramzi Awwad
<b>Geotechnical Updates</b> <ul style="list-style-type: none"> <li>Cotton Shires (Mike Phipps) continues to map the data collected.</li> <li>The margins of the landslide have expanded, specifically in the Klondike Canyon area near Dauntless, Admirable, and Exultant. The slide boundary (fissure) is going through several residences.</li> <li>In PBCA, the slide boundary has expanded west to Jim York’s driveway.</li> <li>The west side slide boundary is as previously defined.</li> <li>The slide is now a total of about 680 acres.</li> <li>Movement per week is 13” in the middle and 2-3” at the outer edges.</li> <li>Boundary maps are included in the Staff Report that was published yesterday for the 7/2/2024 City Council meeting located at this link: <a href="https://rpv.granicus.com/MetaViewer.php?view_id=5&amp;event_id=2684&amp;meta_id=120600">https://rpv.granicus.com/MetaViewer.php?view_id=5&amp;event_id=2684&amp;meta_id=120600</a></li> </ul>		Ramzi Awwad Mike Phipps Scott Kerwin
<b>Coordination with the City of Rolling Hills</b> <ul style="list-style-type: none"> <li>The City Manager and City Council are still working on scheduling a meeting with the City of Rolling Hills to discuss a joint strategy moving forward.</li> <li>Ramzi Awwad will share the suggestion to start the hydrology study and bring Rolling Hills in once it’s started and they become engaged.</li> </ul>		Ara Mihranian Karina Banales
<b>Funding Initiatives</b> ACLAD: FEMA Recovery Scoping Meeting (RSM) is on 7/10/2024 at City Hall. City: In the middle of scoping meetings with FEMA for disaster recovery. City: Received an RFI for the BRIC grant and are compiling data to respond. KCLAD: FEMA scoping meeting is 7/9/2024.		Ara Mihranian Ramzi Awwad
<b>General Comments or Questions</b> None this week.		Working Group
<b>NEXT MEETING</b>		
<ul style="list-style-type: none"> <li>Weekly Status Meeting: Occurs every Wednesday at 3:00 pm PST. The next meeting is 7/3/2024.</li> <li>Regular Meeting Format: This meeting will be held virtually via Teams. For a Teams link, please email Jayme Fairfield at <a href="mailto:jfairfield@houtconstruction.com">jfairfield@houtconstruction.com</a>.</li> <li>Notes from past meetings can be found on the City’s website at this link: <a href="https://www.rpvca.gov/">RPV Landslide Complex Working Group   Rancho Palos Verdes, CA - Official Website (rpvca.gov)</a>.</li> </ul>		Ara Mihranian Jayme Fairfield

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**TABLE 2: CURRENT, SHORT-TERM, AND LONG-TERM MITIGATION PROJECTS**

Activity	Responsible Entity	Notes/Status	Estimated Completion
<b>UTILITIES</b>			
Sewer Lines	LACSD	<ul style="list-style-type: none"> <li>Performed CCTV inspection and found a compromised line along PVDS.</li> <li>LACSD is mobilizing immediately to bring the below ground segment to above ground. The emergency bypass project may take several days. Traffic disruptions may occur. Contractors on adjacent projects have been informed.</li> <li>There is no evidence of a sewer discharge yet.</li> <li>Michael Chee from LACSD will share the short, medium, and long-term plans at our next meeting.</li> <li>LACSD has an emergency response plan and can put a presentation together for this group.</li> </ul>	Ongoing
Sewer Lines: Seaview Neighborhood	LACPW: Mains Homeowners: Laterals	<ul style="list-style-type: none"> <li>There is a displaced line causing the flow to not have proper gravity. It is backing up into the manhole. LACPW is pumping as needed and is investigating solutions.</li> <li>There has not been any above ground sewer discharge yet.</li> </ul>	Ongoing
Sewer Lines: Portuguese Bend Community	City	<ul style="list-style-type: none"> <li>The City has been working on a redesign.</li> <li>Juan Hernandez will reach out to Gordon Leon to discuss issues and solutions.</li> </ul>	Ongoing
Power Poles Repairs	Southern California Edison (SCE)	<ul style="list-style-type: none"> <li>Cox was to remove equipment from the poles in the Preserve in June. Ramzi Awwad is waiting on Cox for a new schedule.</li> <li>There was a power outage on 6/23/2024 for three hours (longer for some residents). It was not related to land movement. It was due to extreme usage from the heat.</li> <li>Information on any outages can be found at <a href="mailto:outage@sce.com">outage@sce.com</a>.</li> <li>SCE will be doing maintenance on poles behind Vanderlip where poles have shifted, and lines become taught or loose.</li> </ul>	Ongoing
Gas Lines: Portuguese Bend Community and Seaview Community	SoCal Gas	<ul style="list-style-type: none"> <li>No updates.</li> </ul>	Ongoing
Water: Seaview Neighborhood	Cal Water	<ul style="list-style-type: none"> <li>Phase 2 is still being communicated with residents.</li> <li>Phase 2 should begin construction in mid-July.</li> </ul>	TBD
Water: Portuguese Bend Community Association	Cal Water	<ul style="list-style-type: none"> <li>On Narcissa at five corners, pipe is being laid aboveground.</li> <li>Cal Water thanks PVCA and the City for helping with messaging for residents to stay away from construction zones.</li> <li>Cal Water needs to obtain easements for Vanderlip Trail and PVDS for upcoming projects.</li> </ul>	TBD
Water: Portuguese Bend Beach Club	Cal Water	<ul style="list-style-type: none"> <li>Design is still in progress.</li> </ul>	TBD

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Activity	Responsible Entity	Notes/Status	Estimated Completion
<b>CITY</b>			
Portuguese Bend Landslide EIR, Final Engineering, and E1/E2	City	<p>E1/E2</p> <ul style="list-style-type: none"> <li>• Test bore hole drilling continues. The second bore hole (E1-5a) should be completed tomorrow. Perched water was found in the landslide mass at 154 feet. Instrumentation has been dropped into E-1-5a.</li> <li>• The contractor is mobilizing an additional drilling rig.</li> <li>• Findings so far show that the base of land sliding is 70-80 feet deeper than anticipated. This makes the beach club location more desirable than the gateway location. This will be decided once all the data comes in.</li> <li>• There are two slide planes on E-1-10. There are multiple slide planes on E-1-5, but the total will be reported once that bore hole is completed.</li> <li>• A map of the bore hole locations is shown below this table. Bore hole E-1-5a has been added and is not on the map yet. It is 15 feet away from E-1-5.</li> <li>• Four bore holes off Yacht Drive for the Beach Club location are shown on the map as E-1-1, E-1-4, E-1-4, and E-1-6.</li> <li>• There are two kinds of underground water: artesian (underground water under pressure) and perched (above the slide plane, adds weight and gets trapped above the slide plane due to impermeable clay soils).</li> <li>• The hydraugers can drain both the artesian and perched water. The artesian water has the most impact on the landslide and land movement.</li> </ul>	October 2024
PVDS at Peppertree Drainage	City	<ul style="list-style-type: none"> <li>• No updates.</li> </ul>	TBD
GPS Surveying of Landslide Movement	City	<ul style="list-style-type: none"> <li>• The May 2024 report is included in the City Council Staff Report.</li> <li>• Jayme Fairfield will send the June report to this group.</li> <li>• The City is scheduling the next reading/survey for July.</li> </ul>	Ongoing
PVDS Roadway Repairs	City	<ul style="list-style-type: none"> <li>• Repairs are ongoing.</li> <li>• Monitoring continues.</li> <li>• Signage for prohibition of bikes and motorcycles in the slide area will be installed in the coming days/weeks.</li> <li>• Heavy truck signage will be supplemented.</li> </ul>	Ongoing
Crack-Filling in Seaview Neighborhood	City	<ul style="list-style-type: none"> <li>• Crack filling is ongoing.</li> <li>• Monitoring continues.</li> </ul>	Ongoing
<b>COMMUNITY ASSOCIATIONS AND LANDSLIDE ABATEMENT DISTRICTS</b>			
Road Repairs in the Portuguese Bend Community	Portuguese Bend Community Association	<ul style="list-style-type: none"> <li>• Completed road repairs last week.</li> <li>• Added CMB to Lower Cinnamon yesterday. This area is sinking.</li> </ul>	Ongoing

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Activity	Responsible Entity	Notes/Status	Estimated Completion
KCLAD Dewatering Wells	KCLAD	<ul style="list-style-type: none"> <li>One well at the beach that had been pumping 81 gpm was broken. It is currently under repair.</li> <li>The ground water level is the same.</li> <li>Obtaining more equipment for a new well; should be in next week.</li> </ul>	Ongoing
Klondike Canyon Fissures	KCLAD & City	<ul style="list-style-type: none"> <li>Some of the tarps have been removed. The soil was very wet underneath.</li> <li>KCLAD met with contractor for filling the fissures.</li> </ul>	Ongoing
Klondike Canyon Culvert and Pipe	KCLAD & City	<ul style="list-style-type: none"> <li>The 48" pipe is now exposed.</li> <li>KCLAD is working with the homeowner for repairs.</li> <li>There was grading (about 1-2% grade) completed at the end of channel about 5-6 weeks ago. Since then, the ocean floor has uplifted about another 3-4 feet. Solutions are being developed to figure out how to get the 48" pipe to drain if the ocean floor continues to lift in this area.</li> </ul>	Ongoing
Lower Seaview/ PVDS at Klondike Canyon Drainage	KCLAD & City	<ul style="list-style-type: none"> <li>Continue to look at pipe design in Klondike Canyon through the gabion wall down to PVDS.</li> </ul>	TBD
ACLAD Dewatering Wells	ACLAD	<ul style="list-style-type: none"> <li>Well #4 pump went down. A camera was sent down and a racoon was at the bottom of the well. After the racoon was removed, it was apparent that the well had sheared at 66 feet.</li> </ul>	Ongoing
General Maintenance	ACLAD	<ul style="list-style-type: none"> <li>Below PVDS, a main line had a compression failure. It has been repaired to allow for significant movement.</li> <li>There was a tension failure by well #13. A swing joint was installed to allow for more movement.</li> </ul>	Ongoing
Top of Slide Area and Kelvin Canyon Spring	ACLAD & City	<ul style="list-style-type: none"> <li>No updates.</li> </ul>	TBD
Altamira Canyon Lining	ACLAD, RPV, and LACPW (Flood Control District)	<ul style="list-style-type: none"> <li>A more feasible approach would be to have spot treatments in the canyon rather than lining the canyon.</li> <li>The responsibility/jurisdiction for Altamira Canyon needs to be discussed separately between the City, PBCA, and ACLAD.</li> </ul>	TBD

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## Test Bore Hole Locations

