



Board of Directors

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Providing Outstanding Service Since 1963

April 24, 2023

Board of Directors
Triunfo Water & Sanitation District
Ventura County, California

PRESENTATION ITEM: INTERCONNECTION PROJECT

Interconnection Project Update – Dan Drugan, Manager of Resources, Calleguas MWD

Summary

Calleguas Municipal Water District (Calleguas) is the wholesale provider for imported water to Ventura County. Calleguas and Las Virgenes Municipal Water Districts (LVMWD) each own and operate potable water systems largely dependent on imported water supply. Both Districts currently rely on a single point of connection to receive imported water. Calleguas and LVMWD are constructing an interconnection to improve the redundancy and reliability of both water systems. Mr. Drugan will present an update on the project and answer questions.

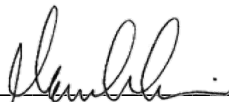
Fiscal Impact

None.

Recommendation

None.

BECKY HAYCOX, PUBLIC INFORMATION OFFICER

REVIEWED AND APPROVED: 
Mark Norris - General Manager

Attachments: Calleguas PowerPoint Presentation

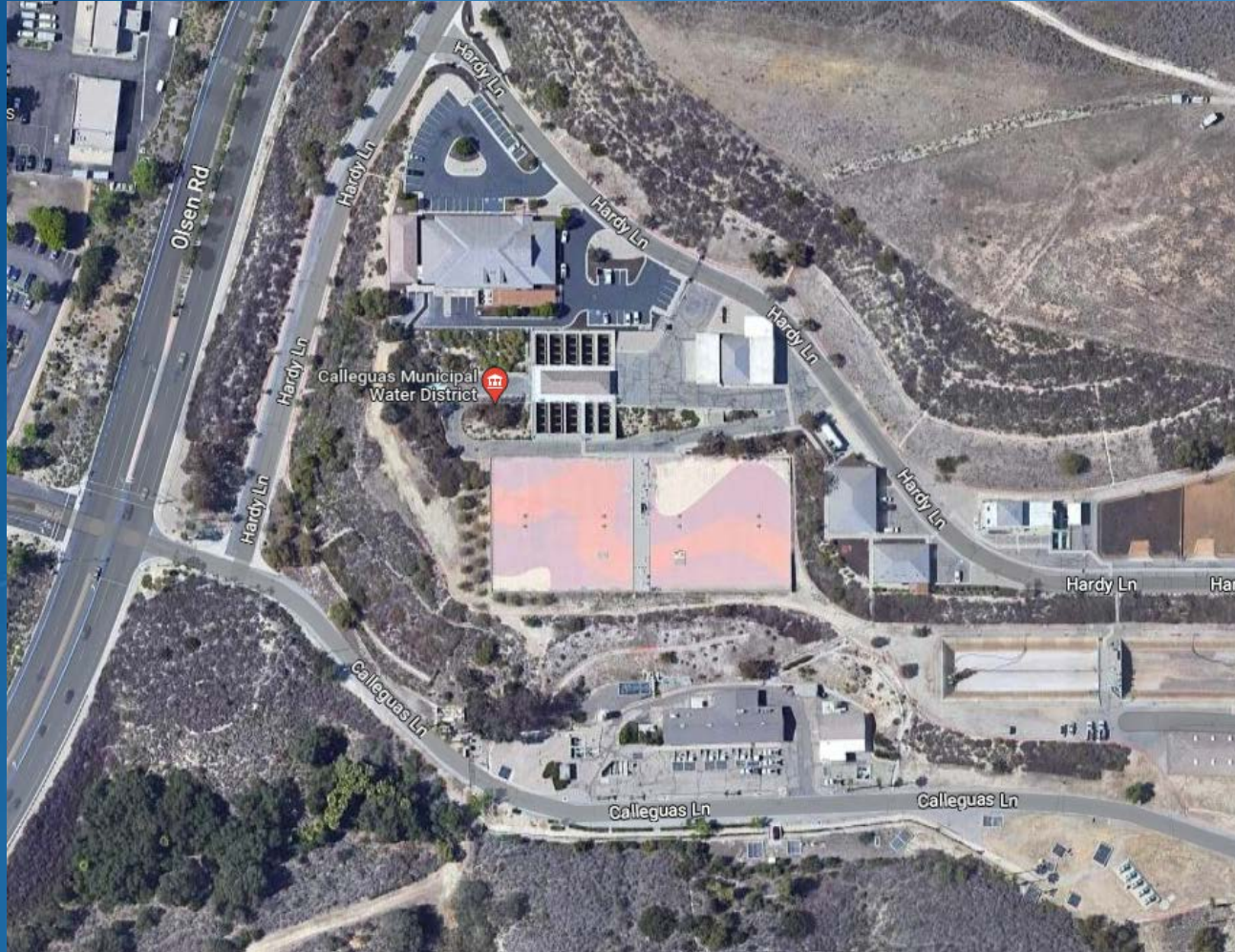
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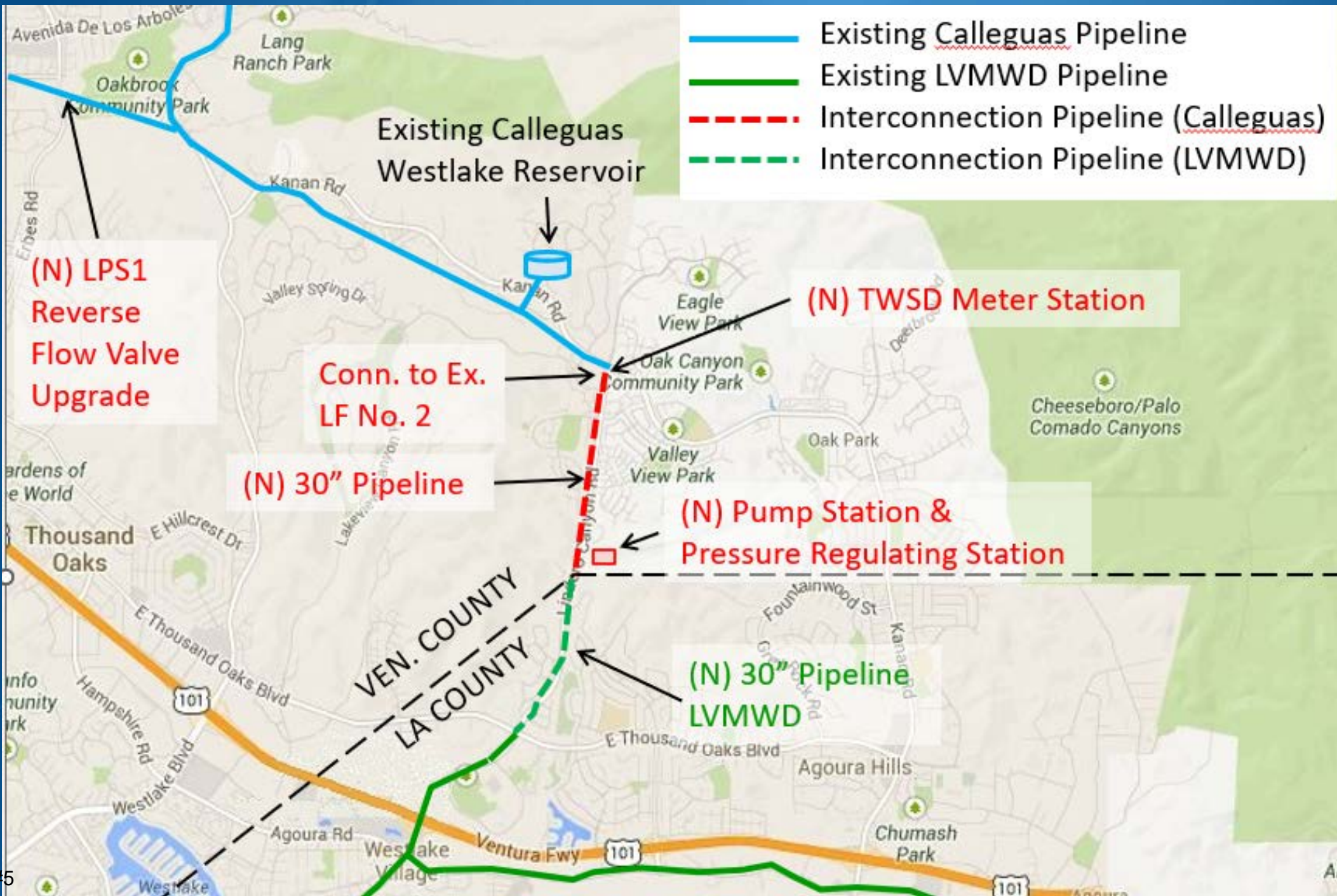
Update re: Calleguas – Las Virgenes Interconnection Construction Activities

Need for the Project

- Cost-effective means to improve reliability and flexibility of Calleguas' and LVMWD's potable water systems, by delivering water to each other's system.
- Each agency would meet its customers' demand first then help the other agency if they are able.









Pump Station/Pressure Reducing Station





Item #5

8:24 OCT/ 6/2022



11:36 OCT/12/2022



8:23 OCT/31/2022



10:04 NOV/ 7/2022



10:04 NOV/ 7/2022



11:17 NOV/10/2022





14:38 DEC/13/2022





PM 2:53 DEC/20/2022



PM 3:19 DEC/20/2022



AMF159 DEC/22/2022



PM 2:42 DEC/22/2022



10:55 JAN/ 9/2023

DIRECTION
3 deg(T)

34.16837°N
118.78847°W

ACCURACY 15 ft
DATUM WGS84





12:06 DEC/13/2022



Interconnection Pipeline



DEC/ 1/2022



NOV/30/2022



DEC/16/2022



DEC/ 8/2022



Item #5



Tie In for Air/Vac at NRCC



9:11 JAN/11/2023





11:59 JAN/11/2023





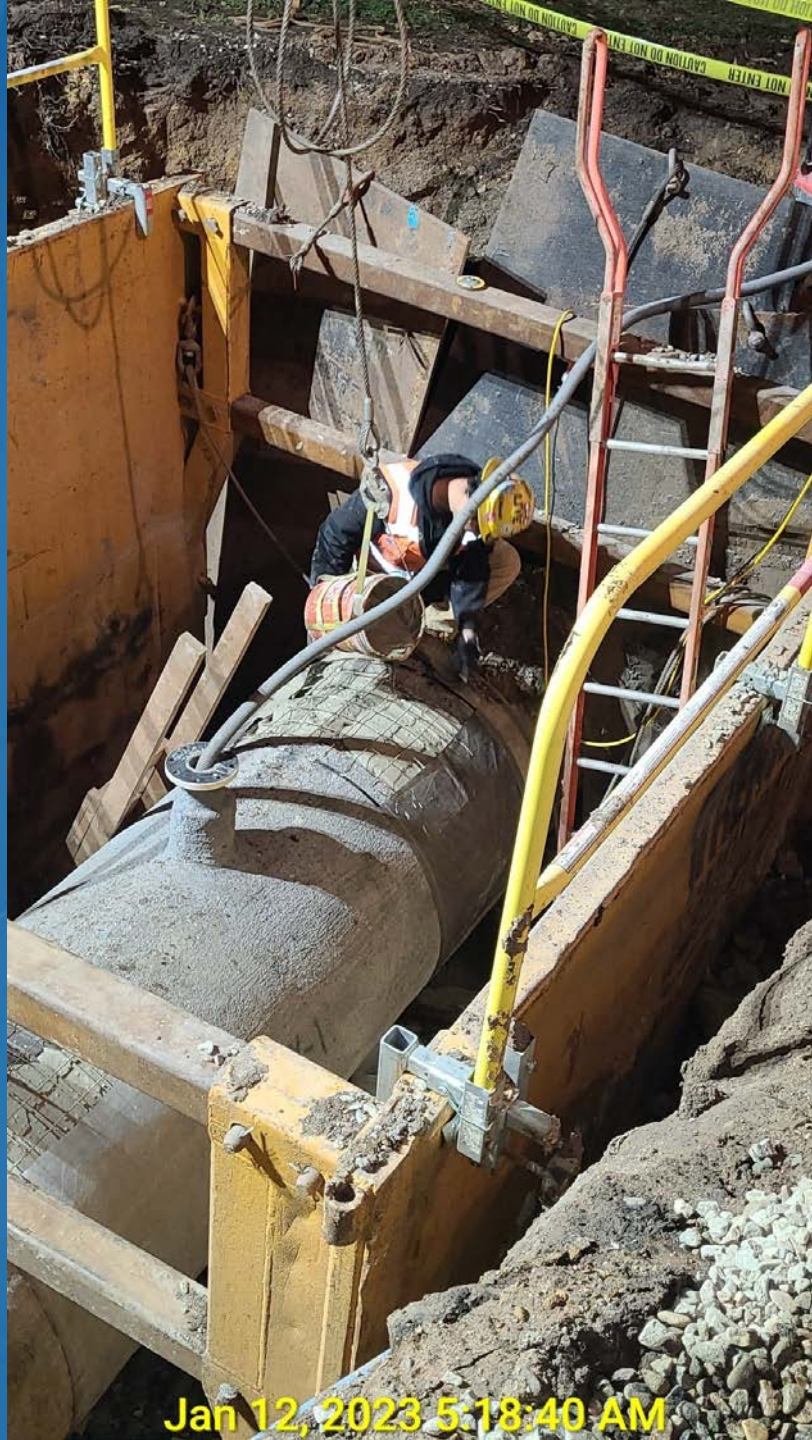
16:56 JAN/11/2023



17:35 JAN/11/2023



17:52 JAN/11/2023



Item #5

Jan 12, 2023 5:18:40 AM



Jan 12, 2023 3:45:50 AM

Item #5



8:25 JAN/13/2023



8:26 JAN/13/2023



12:17 JAN/13/2023



Project Website (ArcGIS StoryMap Template)

Construction Activity Update

Week of: January 16, 2023

Current Activity

Starting Friday night, January 20th at 7pm and continuing through Monday morning, January 23rd at 6am, Calleguas' contractor, Kiewit, will commence limited pavement removal and trench excavation operations at the intersection of Lindero Canyon Rd and Kanan Rd. To perform this work safely, a partial closure of the intersection is needed during this period which will impact some turning movements. Traffic control and detour signage will be in place along Lindero Canyon Rd, Kanan Rd, and surrounding local streets. The contractor anticipates working up to 24 hours per day during the partial closure of the intersection. [See construction flyer](#) for additional closure schedule information and detour maps.

Calleguas' contractor will also perform daywork within Lindero Canyon Rd, both north and south of the Rockfield St intersection. Work activity will include trench excavation, pipeline installation, and trench backfill. Traffic control will remain in place on Lindero Canyon Rd. Please follow posted traffic signs and plan for extra travel time to your destination. Work will also continue at the Pump Station/Pressure Reducing Station (PS/PRS) site located at 10 Lindero Canyon Rd.

Please note construction is dependent on many variables and this information is subject to change.

Upcoming Activity

Overnight and weekend work will begin in the Lindero Canyon Rd and Kanan Rd intersection starting January 20th and is expected to continue through the end of February. Work at the intersection will generally occur on weeknights, Monday-Friday, 7pm - 6am and on weekends, Friday 7pm - Monday 6am.

Project Background

Calleguas Municipal Water District (Calleguas) and Las Virgenes Municipal Water District (LVMWD) each own and operate potable water systems largely dependent on imported water supply. Both agencies are subject to planned and unplanned interruptions of water deliveries that can negatively impact their ability to deliver potable water to their respective customers. Calleguas and LVMWD are constructing an interconnection to improve the future reliability of both systems.

Email Weekly Construction Updates to Distribution List

Item #5



PARTIAL CLOSURE OF INTERSECTION LINDERO CANYON RD/KANAN RD

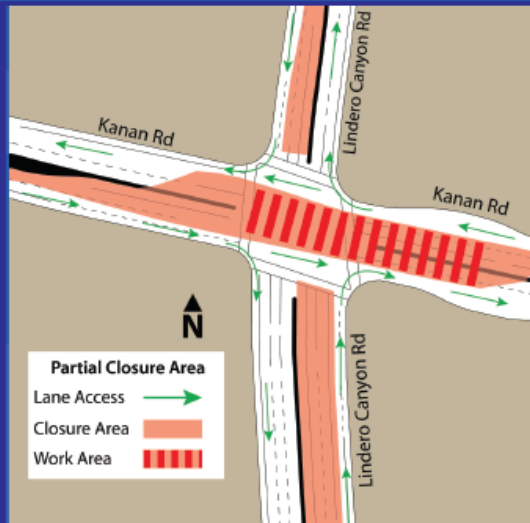
Starting the week of January 17, 2023, Calleguas' contractor, Kiewit, will commence trench excavation and pipeline installation at the intersection of Lindero Canyon Rd and Kanan Rd. To perform this work safely, a partial closure of the intersection is needed during working hours which will impact some turning movements. Work is scheduled to occur nightly, Monday - Friday, with extended 24-hr closures on Saturdays and Sundays. Construction activity is currently anticipated to occur continuously through the end of February 2023.

EXPECT TRAFFIC & PEDESTRIAN DETOURS

Traffic control and detour signage will be in place along Lindero Canyon Rd, Kanan Rd, and surrounding local streets. See backside of this flyer for an overview of the detour map. For additional closure schedule information, including an area detour map, please visit www.CMWD-LVMWDInterconnection.com for more details.

ACCESS TO BUSINESSES WILL BE MAINTAINED

Access to every nearby businesses will be maintained at all times and no driveways will be closed.



For additional detour information, weekly construction schedules, and other project information, visit www.CMWD-LVMWDInterconnection.com.

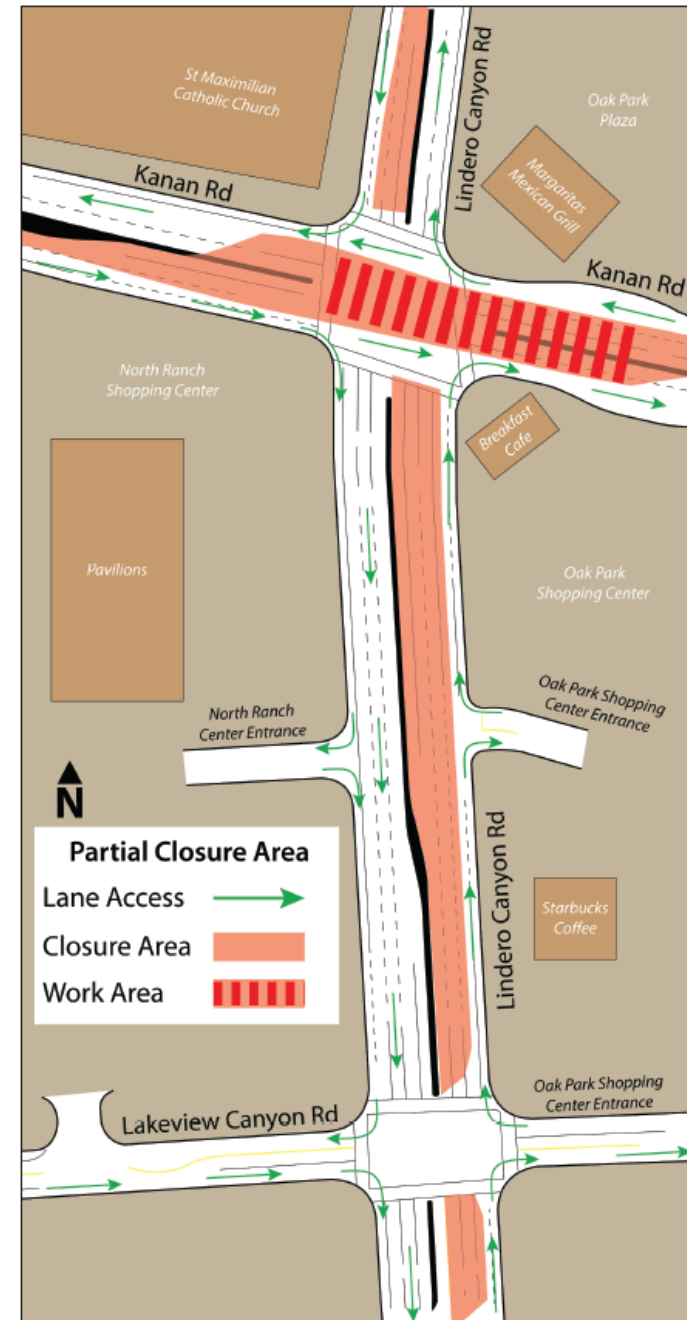
WEEKLY SCHEDULE (JANUARY/FEBRUARY 2023)

<p>Weeknights Monday - Friday 7PM - 6AM</p>	<ul style="list-style-type: none"> Nightly partial closure of the Lindero Canyon Rd and Kanan Rd intersection. Nightly setup/ takedown of temporary traffic control devices. Right-turn and straight traffic maintained along Kanan Ave through the intersection. Right-turn only maintained along Lindero Canyon Rd at the intersection.
<p>Weekends Friday 7PM through Monday 6AM</p>	<ul style="list-style-type: none"> Extended 24hr partial closure of the Lindero Canyon Rd and Kanan Rd intersection. Concrete k-rail barrier in place through the intersection during extended closure hours. Right-turn and straight traffic maintained along Kanan Ave through the intersection. Right-turn only maintained along Lindero Canyon Rd at the intersection.

NEED ASSISTANCE?

Calleguas and its contractor are committed to safely conducting all construction activity while mitigating impacts to surrounding businesses as much as possible. For immediate assistance, please contact our team directly at (800) 371-0723 or via email at Info@calleguas.com.

Please note, construction is dependent on many variables including weather, construction material and crew availability. Schedule information is subject to change.





PARTIAL CLOSURE OF INTERSECTION LINDERO CANYON RD/KANAN RD

Starting the week of January 17, 2023, Calleguas' contractor, Kiewit, will commence trench excavation and pipeline installation at the intersection of Linder Canyon Rd and Kanan Rd. To perform this work safely, a partial closure of the intersection is needed during working hours. Work is scheduled to occur nightly, Monday - Friday, with extended 24-hr closures on Saturdays and Sundays. Construction activity is anticipated to occur continuously through the end of February 2023.

EXPECT TRAFFIC & PEDESTRIAN DETOURS

Traffic control and detour signage will be in place along Linder Canyon Rd, Kanan Rd, and surrounding local streets. For additional closure schedule information, including an area detour map, please visit www.CMWD-LVMWDInterconnection.com for more details.

Calleguas and its contractor will minimize construction impacts through various methods. Calleguas appreciates residents' patience and understanding during the construction of this vital water supply reliability project.

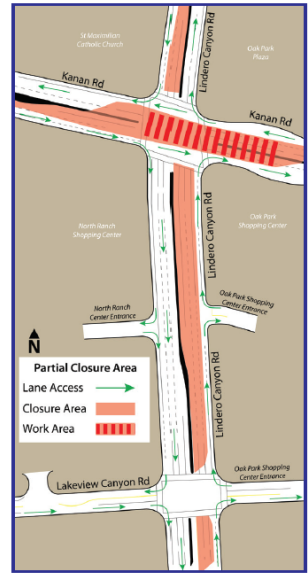
Please note, construction is dependent on many variables including weather, construction material, and crew availability. Schedule information is subject to change.

CONTACT US
www.CMWD-LVMWDInterconnection.com
 @CalleguasMWD | (800) 371-0723



Calleguas Municipal Water District
 2100 Olsen Road
 Thousand Oaks, CA 91360-6800

WEEKLY SCHEDULE (JANUARY-FEBRUARY 2023)



Weeknights
 Monday - Friday (7PM - 6AM)

- Nightly partial closure of the Linder Canyon Rd and Kanan Rd intersection.
- Vehicle & pedestrian detours will be in effect (expect delays).
- Nightly setup/ takedown of temporary traffic control devices.

Weekends
 Friday 7PM - Monday 6AM

- Extended 24-hr partial closure of the Linder Canyon Rd and Kanan Rd intersection.
- Vehicle & pedestrian detours will be in effect (expect delays).
- Concrete k-rail barrier in place through the intersection during extended closure hours.

For additional detour information, weekly construction schedules, and other project information, visit www.CMWD-LVMWDInterconnection.com

CALLEGUAS - LAS VIRGENES INTERCONNECTION Quarterly Construction Update



Fall 2022

Construction Highlights

Construction is moving forward on the Calleguas-Las Virgenes Interconnection! Since early March 2022, crews have:

- Started excavation, concrete, and pipeline work at the Pump Station/ Pressure Regulating Station (PS/PRS) located near the Ventura/Los Angeles county line.
- Begun installation of the Interconnection pipeline, including trench excavation and shoring, pipeline laying, trench backfill, and pavement restoration along Lindero Canyon Rd.
- Deployed temporary concrete K-rail barricades around the work area within Lindero Canyon Rd, providing for more efficient work and a safer work area for the general public and crews.
- Deployed temporary concrete K-rail barricades around the work area across the Symphony Ln intersection. Although this modified traffic control approach temporarily restricted lefthand turns into/out of Symphony Ln, it allowed for Interconnection pipeline installation across the intersection to occur during the day, instead of at night.



Facts & Figures

Since construction began, new Interconnection pipeline has been installed along Lindero Canyon Rd near the Blackbird Ave intersection to just north of the Symphony Ln intersection.

Roughly **10,500 cubic yards** of earth, weighing approximately **16,000 tons**, have been excavated for construction of the Interconnection pipeline and the PS/PRS

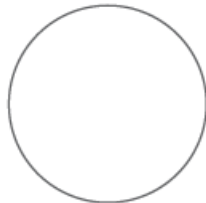
1,600 linear feet of trench has been excavated
1,340 linear feet of pipeline have been installed within this trench
1,160 linear feet of asphalt pavement has been restored over this trench



1,140 cubic yards of cement-sand slurry have been placed as the trench backfill for the Interconnection pipeline, equivalent to approximately 114 ready-mix concrete truck loads



329 cubic yards of concrete have been placed at the PS/PRS site, equivalent to approximately 33 ready-mix concrete truck loads.



RESIDENT ADVISORY

Nighttime Construction Activity

Due to the construction of the Calleguas – Las Virgenes Interconnection pipeline, nighttime construction activity is planned to occur at the intersection of Rockfield St and Lindero Canyon Rd.



Work Hours
6PM – 4AM

Schedule*
Monday
November 28
to
Thursday
December 22

*Please note, construction is dependent on many variables and this schedule is subject to change.

Questions or Comments?

✉ Info@calleguas.com

☎ (800) 371-0723

📺 [@CalleguasMWD](https://www.facebook.com/CalleguasMWD)

🌐 CMWD-LVMWDInterconnection.com







Thank You!