

Inverted Siphon & Large Pipeline Cleaning

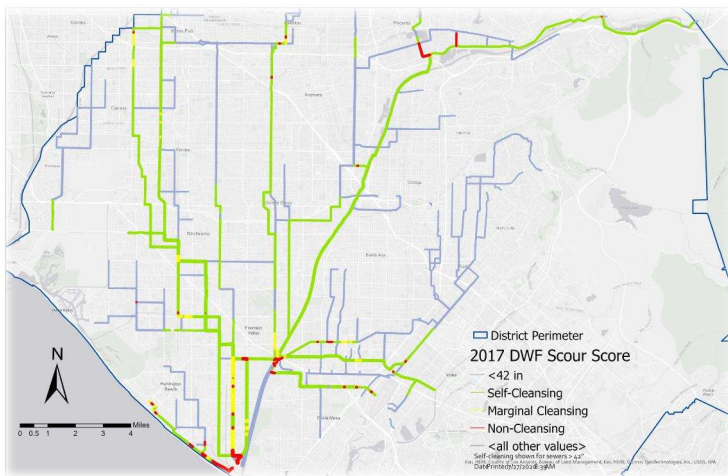
Presented by :
Nicholas Oswald, Maintenance Manager

Operations Committee
December 3, 2025



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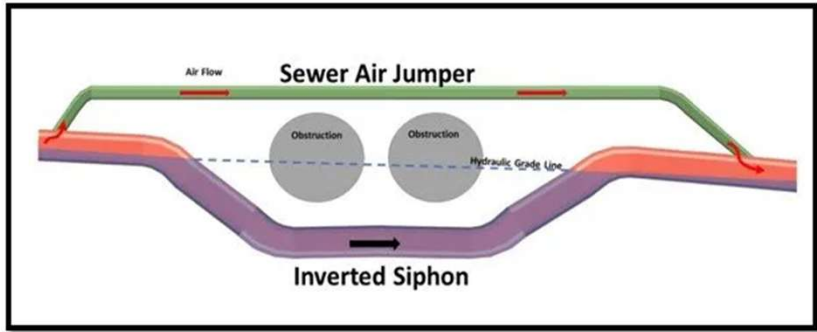
OC San Service Area



- Over 350 miles of gravity sewer pipe
- > 42 inches pipelines designed to be “self cleaning”
- Flow velocity has changed over time and sediment accumulates
- Buildup over time reduces pipeline capacity creating potential risks of sewer overflows

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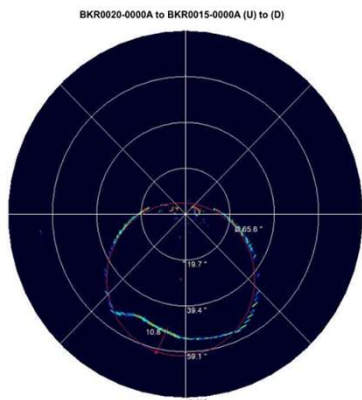
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Inverted Siphons

- Inverted Siphons continuously have fluid in them
- Visibility for inspections is limited
- Bypass and draining is costly

Sonar Inspections



Range 78.7'
 Pulse Length 20.0µs
 Cable Payout 370.83'
 Pitch -1.5°
 Roll -13.3°
 Roll compensation enabled
 Velocity of sound 4921.3ft/s
 Notes:



- Sonar will identify increased debris accumulation
- Limited interruption to operational flow
- Pre and Post sonar inspection will confirm the effectiveness of cleaning

Request for Proposal (RFP) Summary

- An RFP was issued for the required services in September 2025
- Two qualified bidders were presented to the evaluation team, with cost excluded from the ranking process
- Performance Pipeline Technologies, Inc. ranked highest based on the evaluation criteria
- Staff recommends awarding the service contract to Performance Pipeline Technologies, Inc.

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Questions?

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