Ref: 27-9709

AGENDA

ENGINEERING COMMITTEE MEETING
LEUCADIA WASTEWATER DISTRICT

Wednesday, November 4, 2026 – 1:00 p.m.
1960 La Costa Avenue, Carlsbad, CA 92009

Join Meeting
Meeting ID: 286 604 190 507 110 8
Passcode: eT2Zr6nX

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1. **Call to Order**
   Teleconference with President Brown at the following location:
   Moulton Niguel Water District
   26161 Gordon Road
   Laguna Hills, CA 92653

   Teleconference with Director Roesink at the following location:
   7509 Solano Street
   Carlsbad, CA 92009

2. **Roll Call**

3. **Public Comment**

4. **Award of Sole Source Purchase Agreement to Misco Water for the Tube Settler and Scum Pipe Bracket Furnish and Installation**
   Authorize the General Manager to execute a sole source purchase agreement with Misco Water to furnish and install a new Tube Settler and Scum Pipe Bracket in an amount not to exceed $94,274. (Pages 2-16)

5. **FY2026 Audit of the District's 2025 Sewer System Management Plan**
   Receive and file the FY2026 Audit of the Distict's 2025 Sewer System Management Plan (SSMP) completed by Dexter Wilson Engineering, Incorporated. (Pages 17-26)

6. **Information Items**
   Batiquitos (B3) Pump Station Force Main Condition Assessment (verbal).

7. **Directors' Comments**

8. **General Manager's Comments**

9. **Adjournment**

MEMORANDUM

Ref: 27-9708

DATE: October 29, 2026

TO: Engineering Committee

FROM: Paul J. Bushee, General Manager RG for PJB

SUBJECT: **Award of Sole Source Purchase Agreement to Misco Water for the Tube Settler and Scum Pipe Bracket Furnish and Installation**

RECOMMENDATION:

Staff requests that the Engineering Committee recommend that the Board of Directors:

1. Authorize the General Manager to execute a sole source purchase agreement with Misco Water to furnish and install a Tube Settler and Scum Pipe Bracket in an amount not to exceed $94,274.

2. Discuss and take other action as appropriate.

DISCUSSION:

Tactical Goal: Infrastructure and Technology / Tube Settler and Scum Pipe Bracket furnish Replacement

The Leucadia Wastewater District's (District) Advanced Water Treatment (AWT) Facility utilizes tube settlers for the clarification process to enhance solids reduction and improve treatment efficiency. The existing tube settler and associated scum pipe support brackets have been in service for over 30 years and are showing signs of aging, deterioration, and wear due to continuous use and routine maintenance activities.

Recent inspections have identified corrosion and degradation of the tube settler assemblies and corrosion on the scum pipe support brackets. As these components continue to age, there is an increased risk of reduced clarification performance, equipment failure, and unplanned maintenance activities. Replacement of these critical components is necessary to maintain reliable operation of the treatment process and ensure consistent water quality.

The proposed project includes the removal and replacement of the existing tube settler and scum pipe brackets for the AWT clarifier. The replacement equipment will be designed to fit within the existing clarifier structure while improving durability and performance. Installation of new tube settlers will restore the effective settling area within the clarifier and improve solids removal.

Due to the specialized nature of the tube settler system and the need to ensure compatibility with the existing clarifier configuration, procurement of the replacement equipment is limited to manufacturers and suppliers with specific expertise in water treatment clarification systems. Multiple vendors were contacted for quotes; however, Misco Water was the only vendor capable of furnishing a compatible tube settler system and installation services. Misco Water has extensive experience providing tube settler equipment for municipal water and wastewater treatment facilities.

In accordance with Section 11.1(A), Sole Source Procurement, of the District's Procurement Policy, sole source procurement is permitted when goods and services are only available from a single vendor due to unique circumstances. In addition, Section 11.1(D), Complex or Unique Items, it is unlikely that there would be more than one bidder and it is unlikely that there would be any economic benefit to the public to be gained from bidding.

Accordingly, staff requested and received a quote from Misco Water for the Tube Settler and Scum Pipe Bracket furnish Replacement. The quote is attached for your review.

Staff have evaluated the quote submitted by Misco Water and determined it meets the District's requirements. Therefore, staff recommends that the Board authorize the General Manager to execute a sole source purchase agreement with Misco Water for the replacement of the Tube Settlers and Scum pipe bracket furnish.

FISCAL IMPACT:

The fiscal year 2027 Capital Acquisition Budget includes $88,000 for the purchase of the tube settlers, scum pipe bracket, and associated installation costs. Additional funding required for this project will be transferred from the Batiquitos Joint Facilities Anode Replacement Project, which has budget available.

mg:PJB

Attachment

Leucadia Wastewater District

Gafner Water Reclamation Facility Clarifier Tube Settler and Scum Pipe Rehabilitation

October 28, 2026

Proposal RC20250925_REV1

Ryan Coon
rcoon@miscowater.com
(951) 258-1226

MISCO WATER
Collaborative Delivery Solutions

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MISCO WATER
Collaborative Delivery Solutions

MISCOwater Collaborative Delivery Solutions



MISCOwater is focused on applying the best water and wastewater treatment solutions to our industry's greatest water treatment challenges in partnership with you.

Provide municipalities a cost-effective way to implement small to medium sized projects involving installation of new equipment or replacement/rehabilitation of existing equipment.

Complete projects faster than most project procurement mechanisms.

Provide owners with a Project Manager that is a single point-of-contact for successful project implementation.

Contract with manufacturers that use common design and engineering tools to minimize project costs.

Encourage owner participation in the selection of the installer/contractor to foster collaboration and partnership.

Include options for financing, system maintenance, and long-term support.

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Project Summary

Leucadia Wastewater District's Gafner Water Reclamation Facility utilizes tube settlers and a scum pipe in the settling phase of their for their rapid clarifier. The equipment over time has degraded and needs replacement. MISCOwater was onsite on July 17th, 2025, for a site walk to evaluate the necessary work to install new tube settlers and fix the scum pipe bracket.

MISCOwater, as Enviropax's exclusive representative in Southern California, offers this proposal to replace the existing tube settlers with new drop-in replacements and fix the scum pipe bracket to return the equipment to full working order.

Scope of Supply

Equipment Furnished		
Item	**Qty**	**Description**
Tube Settlers	120 sq ft	24"-tall PVC tube settlers
Scum Pipe Bracket	1	

Scope of Work

Onsite Services	
Item	**Value/Description**
Mobilization	Mobilization to be scheduled after tube settlers are delivered to Leucadia.
Removal of walkway equipment and existing tube settlers	Demolish existing tube settlers currently installed. Existing material to be left with Leucadia for recycling or disposal.
Installation of tube settlers and scum pipe bracket	Install new Enviropax tube settlers and fix scum pipe
Demobilization	Demobilization from site.

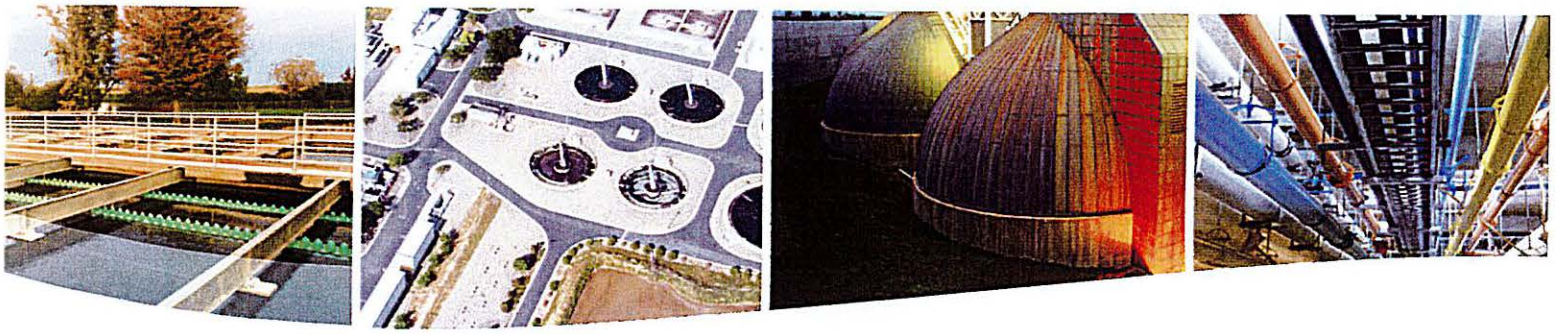
Notes:

- Clarifier shall be delivered to the project team empty, clean, and isolated to begin work.
- All equipment shall be delivered to the jobsite and placed in a designated area where items can be easily moved by crane and placed onto the designated structures.
- Provide Confined Space Entry Equipment (where necessary) and PPE.
- Assumes adequate lay down and storage area onsite for crane and Conex toolbox.
- Includes prevailing wage rates for all craft labor.
- Work to be performed in one (1) mobilization.
- Leucadia Wastewater District to take all reasonable precautions to make safe workspace.
- No allowances have been made for Project Labor Agreements (PLA's) or similar requirements.
- Alternates, if included, are additive only. The only stand-alone price is the base price.

This Scope of work excludes the following items:

- SCADA – City to provide SCADA integration and final controls integration.
- Structural design/upgrade. All work to be match-existing/in-kind replacement.
- Permit-required confined space. All tanks assumed to be non-permitted confined space. No provisions included for hole-watch.
- Hazardous waste disposal
- Bonds, permits, fees, and/or stamped engineering documents.
- Overtime premiums or weekend work.
- Concrete restoration.
- Offloading and/or storage of replacement parts if delivered when crew is not onsite.
- Installation of (non-identified) piping, equipment supports and/or electrical.

Project References



Project Reference List
Wastewater Solutions

Silicon Valley Clean Water Aeration Upgrade Project

Owner:	Silicon Valley Clean Water 1400 Radio Rd Redwood City, CA 94065 Phone: (650) 591-7121 Contact: Arvind Akela, Chuck Fenton
Construction Partner:	Monterey Mechanical Co. 8275 San Leandro St Oakland, CA 94621 Phone: (510) 632-3173 Contact: Ed Moore
Project Amount:	$2,200,000
Project Duration:	2 weeks
Project Team:	Dwight Craig Richard Gnandt Matt Tooley

Summary:

1. Upgraded existing mechanical mixers with efficient Invent Mixer/Aerators including drop leg air headers, air spargers, and integrated controls.
2. SOTE Testing, commissioning, start up and training.

MISCO WATER
Collaborative Delivery Solutions



Project Reference List
Wastewater Solutions

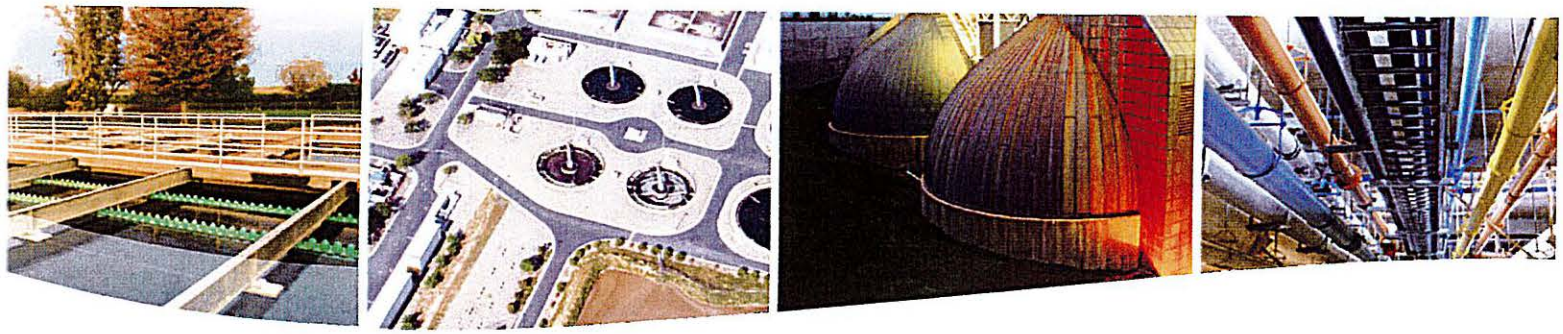
Woodland Water Pollution Control Facility
Band Screen Installation

Owner:	42929 County Road 24 Woodland, CA 95776 Phone: (530) 661-20690 Contact: Chris Fong
Construction Partner:	GSE Construction 6950 Preston Ave. Livermore, CA 94551 Phone: (925) 447-0292 Contact: Dennis Gutierrez
Project Amount:	$704,000
Project Duration:	6 months
Project Team:	Mark Humberstone Richard Gnandt

Summary:

1. Installation of (2) band screens and (4) FRP headworks gates
2. Removal of old equipment.
3. Testing, commissioning, start up and training.

MISCO WATER
Collaborative Delivery Solutions



Project Reference List
Wastewater Solutions

Monterey One Water
Trickling Filter Rehabilitation Project

Owner:	Monterey One Water 14811 Del Monte Blvd. Marina, CA 93933 Phone: (831) 883-1118 Contact: Jerry Valladao
Construction Partner:	GSE Construction 6950 Preston Ave. Livermore, CA 94551 Phone: (925) 447-0292 Contact: Dennis Gutierrez
Project Amount:	$1,500,000
Project Duration:	10 months
Project Team:	Mark Humberstone Mike Tooley Richard Gnandt

Summary:

1. Removal of two Temcor/Conservatek aluminum dome covers
2. Replacement of two rotary distributors for bio tower trickling filters
3. Installation of UV protected grating
4. Installation of pre-fab canopy and LCPs
5. Replacement of plug valves
6. Removal of old equipment
7. Testing, commissioning, start up and training.

MISCO WATER
Collaborative Delivery Solutions

Firm Proposal Pricing

Scope of Supply

A	Tube Settler and Scum Pipe Bracket Furnish and Installation	$87,493.00
	Sub-Total	$87,493.00
	Sales Tax Estimate (7.75%)	$6,780.70
	TOTAL	**$94,273.70**

Project Schedule

Purchase Order Received and Accepted	Timeline Begins
Submittals	Week 6-8
Fabrication of Equipment Complete	Week 18-20
Installation of Equipment Complete	Week 18-20
- Mobilization	
- Removal of existing tube settlers	
- Installation of New tube settlers and scum pipe bracket	
- Demobilization	
Commissioning	Week 20
Close Project	Week 20

Notes:

- Freight Included
- Sales tax estimate is provided as an estimate only. Actual sales tax will be invoiced at actual rate at time of delivery.

Terms and Conditions

ACCEPTANCE

The following Terms and Conditions are an integral part of the offer to sell the equipment and/or services offered in this proposal. When the BUYER signifies acceptance of this quotation by submission of a Purchase Order or signed SELLER Quotation, it shall become a binding contract when accepted and signed by an authorized signer of the SELLER. Any changes or amendments to this proposal made by the BUYER must have SELLER's approval in writing to become a part of this contract. These Terms and Conditions and the accompanying Purchase Order or signed SELLER Quotation shall comprise the entire agreement between the parties and no course of prior dealings between the parties and no usage of the trade shall be relevant to supplement or explain any terms used in this contract. Unless stated otherwise, the terms and conditions of the manufacturers listed herein will apply to this quotation Any attachments or listed documents are considered a part of this quotation and are made part of the agreement. **Quote is firm for thirty (30) days unless otherwise stated on the face of the attached quotation.**

APPROVAL DRAWINGS

All items listed are based on SELLER'S interpretation of the requirements in accordance with the plans and specifications. Any preliminary drawings or literature attached to our quotation are for illustration purposes only to show approximate arrangements. Specific drawings and submittal data will be furnished for approval as required after receipt and acceptance of the BUYER'S order. Any submittal or manuals when provided by SELLER will be in the form of a PDF electronic file only. Any form of media beyond the electronic file would be the responsibility of BUYER. Fabrication of products or equipment ordered will not begin until approval and direction to proceed is received in writing. No warranty is made regarding quantities, materials of construction or type of materials quoted. Operation, installation, and maintenance of materials quoted are the responsibility of the OWNER or CONTRACTOR.

DELIVERY

Any shipment or delivery date recited represents our best estimate, but no liability, direct or indirect, is assumed by SELLER for failure to ship or deliver on such dates. Unless otherwise directed, SELLER shall have the right to make early or partial shipments and invoices covering the same to BUYER shall be due and payable in accordance with payment terms hereof. FOB shall be origin unless stated otherwise on the front of these Terms and Conditions.
Delivery schedule(s) will be contingent on supply-chain availability and variability for material components, therefore, lead-times are subject to change without notice. Published weights are careful estimates but are not guaranteed. SELLER will endeavor, insofar, as it is possible, to comply with shipping instructions specified by the Purchaser. However, SELLER reserves the right to ship merchandise by such means of transportation as it may select. The manufacturer will ship the equipment via best way. Demurrage shall be billed to the account of the Purchaser. DAMAGE CLAIMS: Care is taken in packaging all shipments. After BUYER has been given the receipt by the transportation company, all claims for breakage or shortages, whether concealed or obvious, must be made in writing by the BUYER to the carrier and SELLER within seven (7) days after receipt of shipment. When damage or shortages are obvious, written comments on the bill of lading are required before the driver is released.. RETURNED PRODUCTS: In no instance is equipment to be returned without first obtaining SELLERS written approval and returned materials authorization. If shipment is postponed at the request of the purchaser after manufacturing has been commenced, payment will be due on notice from us that the equipment is ready for shipment. Pro rata payments shall be made for partial shipments.

STORAGE

Any item of the product on which shipment is delayed by BUYER may be placed in storage by SELLER at BUYER'S expense and risk. If a delay in shipment is requested by BUYER after an order has been entered and accepted:

a. No charge will be made if the request for delay is made more than six (6) weeks before acknowledged shipping date and the requested delay is for a period not in excess of thirty (30) days.

b. A charge will be made if the requested delay exceeds a period of thirty (30) days or if the request is made within six (6) weeks of the

acknowledged shipping date. SELLER will advise BUYER of the charge within ten (10) days of receiving BUYER'S request for delay.

c. If the product is within six (6) weeks of the acknowledged shipping date, then SELLER has the option of completing, invoicing and storing the product and charging one and one-half percent (1 5%) per month, or the maximum percentage permitted by law, whichever is lesser, of the established price for such product, plus storage cost.

PAYMENT

Payment terms, upon credit approval, are of net thirty (30) days from the date of each invoice for material shipped (or when ready for shipment if shipment is deferred by BUYER) **unless stated otherwise on the face of the attached quotation.** Flow down provisions are not accepted and shall not be enforceable against SELLER. Retention is not allowed. In the event any payment becomes past due, a charge of one-half percent (1.5%) will be assessed monthly These terms are completely independent from, and not contingent upon, when BUYER receives payment from the OWNER. A processing fee of up to four percent (4%) will be added for credit card payments. All merchandise sold is subject to lien laws. Partial or final payment shall constitute acceptance of delivered materials, products, or equipment.

FORCE MAJEURE

Neither Party will be liable for any failure or delay in performing an obligation under these Terms and Conditions that is due to any of the following causes, to the extent beyond its reasonable control: acts of God, accident, riots, war, terrorist act, epidemic, pandemic, quarantine, civil commotion, breakdown of communication facilities, breakdown of web host, breakdown of internet service provider, natural catastrophes, governmental acts or omissions, changes in laws or regulations, national strikes, fire, explosion, generalized lack of availability of raw materials or energy. For the avoidance of doubt, Force Majeure shall not include (a) financial distress nor the inability of either party to make a profit or avoid a financial loss, (b) changes in market prices or conditions, or (c) a party's financial inability to perform its obligations hereunder.

TAXES AND BONDS

Taxes and bonds are **NOT** included in our pricing. Any applicable taxes or bonds will be added to the price and shown separately on each invoice. All prices exclude sales, use, duties, excise, and other taxes in respect to manufacture, sale, or delivery, all of which are to be paid by the buyer unless a proper exemption certificate is furnished. BUYER agrees to reimburse our company for taxes SELLER must pay on BUYER'S behalf

PRICE ESCALATION and/or MATERIAL DEPOSITS

If between the proposal date and actual procurement and through no fault of the SELLER, the relevant cost of labor, material, freight, brokerage fees, tariffs, and other SELLER costs combined relating to the contract increase, then the contract price shall be subject to escalation and increased accordingly. If required by the BUYER, increase shall be verified by documentation and the amount of contract price escalation shall be calculated as either the actual increased cost to the Seller or, if agreed by the Parties, the equivalent increase of a relevant industry recognized third-party index. SELLER shall undertake good faith efforts to obtain savings in its procurement of materials to avoid escalation costs. BUYER shall cooperate with SELLER in such efforts to obtain such cost savings. SELLER shall contemporaneously track any escalation costs.

CLAIMS AND BACKCHARGES

BUYER agrees to examine all materials immediately upon delivery and report to SELLER in writing any defects or shortages noted no later than ten (10) days following the date of receipt. The parties agree that if no such claim is made within said time, it shall be considered acceptable and in good order with respect to any defect or shortage which would have been revealed by such an inspection. In no event will SELLER be responsible for any charge for modification, servicing, adjustment or for any other expense without written authorization from SELLER prior to the performance of any such work. IN NO EVENT SHALL SELLER BE LIABLE TO BUYER OR ANY THIRD PARTY FOR ANY LOSS OF USE, REVENUE OR PROFIT, OR FOR CONSEQUENTIAL, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR PUNITIVE DAMAGES, FOR ANY REASON, INCLUDING WITHOUT LIMITATION, DAMAGES ARISING OUT OF A DELAY IN OR FAILURE OF DELIVERY, DEFECTS IN MATERIAL AND WORKMANSHIP AND/OR FAILURE OF GOODS TO PERFORM TO APPLICABLE SPECIFICATIONS,
DRAWINGS, BLUEPRINTS OR SAMPLES AS SET FORTH OR DESCRIBED HEREIN, IF ANY, OF A BREACH BY SELLER OF ANY OTHER TERM OR OBLIGATION
OF SELLER UNDER THE CONTRACT. No penalty clauses of any description will be effective unless approved in writing over the signature of a principal of SELLER. Under no circumstances shall SELLER be liable for any consequential, special or incidental damages, including liquidated damages, arising from any breach by it in this transaction, AND ALL SUCH CONSEQUENTIAL, SPECIAL AND INCIDENTAL DAMAGES, INCLUDING LIQUIDATED DAMAGES, ARE EXCLUDED FROM ANY REMEDIES AVAILABLE TO THE BUYER.

SECURITY INTEREST & TITLE

Until all amounts due SELLER have been paid in full, SELLER shall retain a security interest in the product and have all rights of a secured party under the Uniform Commercial Code and applicable law, including the right to repossess the product or equipment without legal process and the right to require the BUYER to assemble the equipment and make it available to SELLER at a place reasonably convenient to both parties.

WARRANTY

Equipment and parts not manufactured by the SELLER carry only the warranty of the manufacturer of said parts. SELLER does not make any express or implied warranty for equipment and/or parts it did not manufacture. Credits for defective material and workmanship in said equipment and/or parts are only in accordance with the underlying company policy of the manufacturer. SELLER makes no warranty whatsoever with respect to any equipment and/or parts as to their merchantability or fitness for a particular purpose. It is further agreed that the SELLER assumes no liability whatsoever for failure of equipment due to normal usage and wear.

INDEMNIFICATION

To the fullest extent permitted by the law in which the project is located, BUYER and SELLER shall indemnify and hold one another and their respective employees and agents harmless from and against all claims, damages, losses, liabilities, actions, causes of action, demands, fines, penalties, judgments, costs, and expenses, including but not limited to attorneys' fees, court costs, expert fees and costs, arising out of or resulting from BUYER's or SELLER's own negligent acts, omissions or misconduct, to the extent such negligence is covered by BUYER's and SELLER's respective insurance policies. In the event any third party asserts against SELLER a claim for patent infringement, royalties or licensing fees with respect to BUYER's use of the products, materials, or equipment provided hereunder, BUYER agrees to indemnity SELLER for all liability damages, costs and expenses in connection therewith.

CANCELLATION

Buyer may cancel this contract only in writing signed by BUYER's duly authorized agent and acknowledged in writing by SELLER's duly authorized agent. Should this order be cancelled, BUYER shall be obligated to pay for the level of work performed and products shipped. Work performed includes any engineering, calculations, preparation of submittals, drawings, and/or travel to job site in relation to this order. In addition to any other remedies provided under these Terms and Conditions, SELLER may terminate this contract with immediate effect by providing signed, written notice to BUYER, if BUYER: (i) fails to pay any amount when due under the contract and such failure continues for 30 days after BUYER's receipt of written notice of nonpayment; (ii) has not otherwise performed or complied with any of these Terms and Conditions; or (iii) becomes insolvent, files a petition for bankruptcy or commences or has commenced against it proceedings in bankruptcy, receivership, reorganization or assignment for the benefit of creditors.

FIELD WORK

Unless specifically stated on our quotation, installation, start-up service, field testing, supervision, operation, and training are not included in our pricing of product. In the event that SELLER or any of its employees or agents do perform work or services on-site at the project's location, BUYER agrees to hold SELLER and its employees or agents harmless for any injuries or damage to property caused by their acts or omission, except to the extent said injuries or property damage arise from gross negligence or intentional misconduct.

MODIFICATIONS

This contract can be modified only in writing which specifically states that it amends these Terms and Conditions and is signed by both parties and their duly authorized agents. It is further agreed that this contract shall not be modified in any respect except in writing signed by the party and their duly authorized agent against whom the modification is sought to be enforced.

AUTHORITY OF SELLER'S AGENTS

No agent, employee or representative of the SELLER has any authority to bind the SELLER to any affirmation, representation or warranty concerning the goods sold under this Contract, and unless an affirmation, representation or warranty made by an agent, employee, or representative is specifically included within this written contract, it shall not be enforceable by the BUYER.

NO THIRD-PARTY BENEFICIARIES

This contract is for the sole benefit of BUYER and SELLER and their respective successors and permitted assigns and nothing herein, express or implied, is intended to or shall confer upon any other person or entity any legal or equitable right, benefit, or remedy of any nature whatsoever under or by reason of these Terms and Conditions.

GOVERNING LAW

All matters arising of or relating to the contract or the Terms and Conditions shall be governed by and construed in accordance with the laws of the state in which the project is located.

DISPUTE RESOLUTION

In the event of any dispute between BUYER and SELLER arising out of the terms of the contract and these Terms and Conditions, such dispute shall be decided by arbitration administered by the American Arbitration Association in accordance with the then-prevailing Commercial Arbitration Rules and Mediation Procedures of the American Arbitration Association. BUYER and SELLER mutually agree that any dispute involving claims valued at or above $1,000,000.00 shall be heard by a panel of three (3) arbitrators. The venue for all arbitration proceedings shall be the State of California. The foregoing agreement to arbitrate shall be specifically enforceable in any court of competent jurisdiction. The award rendered by the arbitrators shall be final and judgment may be entered upon it in accordance with applicable law in any court of competent jurisdiction.

SEVERABILITY

The partial or complete invalidity of any one or more provisions of these Terms and Conditions shall not affect the validity or continuing force and effect of any other provision. If any provision is invalid, in whole or in part, the provision shall be considered reformed to reflect the intent thereof to the greatest extent possible consistent with applicable law.

ASSIGNMENT – DELEGATION

No right or interest in this Contract shall be assigned by the BUYER without the written permission of the SELLER, and no delegation of any obligation owed, or of the performance of any obligation by the BUYER shall be made without the written permission of the SELLER. Any attempted assignment or delegation shall be wholly void and totally ineffective for all purposes unless made in conformity with this paragraph.

Signature	Date
Printed Name	Title
Company Name	MISCOwater Quote #

MEMORANDUM

Ref: 27-9707

DATE: October 29, 2026

TO: Engineering Committee

FROM: Paul J. Bushee, General Manager RG for PJB

SUBJECT: **Fiscal Year 2026 Audit of the Leucadia Wastewater District's 2025 Sewer System Management Plan**

RECOMMENDATION:

Staff requests that the Engineering Committee (EC) recommend that the Board of Directors:

1. Receive and file the Fiscal Year 2026 Audit of the Leucadia Wastewater District's 2025 Sewer System Management Plan completed by Dexter Wilson Engineering, Incorporated.

2. Discuss and take other action as appropriate.

DISCUSSION:

Tactical Goal: Services / SSMP Audit

The Statewide Sanitary Sewer Systems Waste Discharge Requirements (WDR), adopted in May 2006, imposed several regulations on all California agencies that operate Sewage Collection Systems. The Statewide WDR required sewer agencies to develop and implement a system-specific Sewer System Management Plan (SSMP). The Leucadia Wastewater District (District) complied with all prescribed WDR provisions, including having a written SSMP that was originally adopted by the District's Board of Directors in 2009 and most recently updated in June 2025. In December 2022, the State Water Resources Control Board adopted and reissued the WDR that changed the requirement for the SSMP update from a five year cycle to a six year cycle. Additionally, the reissued WDR changed the SSMP audit requirement from every two years to every three years. However, staff has elected to continue to conduct the SSMP audits annually which exceeds regulatory requirements.

The District retained Dexter Wilson Engineering, Incorporated (DWEI) to conduct the Fiscal Year 2026 (FY2026) SSMP Audit. DWEI completed its audit and has concluded that the District's activities, programs, and efforts meet or exceed the requirements of the SSMP. Additionally, changes in District organization, practices, or regulations were not significant enough to require an update and readoption of the SSMP prior to the scheduled August 2, 2031 revision, the deadline of the reissued WDR required six year update cycle.

The letter report of the FY2026 Audit is attached for your review. A copy of the complete report, including enclosures, is available upon request.

DWEI will present an overview of the FY2026 Audit at the meeting.

mg:PJB

Attachment

DEXTER WILSON ENGINEERING, INC.

DEXTER S. WILSON, P.E.
NATALIE J. FRASCHETTI, P.E.
STEVEN J. HENDERSON, P.E.
FERNANDO FREGOSO, P.E.
KATHLEEN H. NOEL, P.E.
WILLIAM W. TODD, P.E.

October 22, 2026

103-023/4

Leucadia Wastewater District
1960 La Costa Avenue
Carlsbad, CA 92009

Attention: Paul Bushee, General Manager

Subject: Leucadia Wastewater District Sewer System Management Plan Fiscal Year 2026 Audit

The Leucadia Wastewater District's (District) Sewer System Management Plan (SSMP) was adopted by the District Board and certified by the General Manager in June 2025. The purpose of the SSMP is to memorialize and publicly present in a central document the programs and activities utilized by the District to effectively manage its wastewater collection system. The SSMP requires audits at least every three years. The District has decided to conduct annual audits.

The purpose of this letter-report is to present the Fiscal Year 2026 (FY26) Audit (the first audit of the 2025 readoption of the District's SSMP) in fulfillment of the District's SSMP requirements. The Audit consists of completing the Section IX SSMP Evaluation Checklist and Section X SSMP Audit Checklist. These checklists are accompanied by summaries of the SSMP activities for the year.

2234 FARADAY AVENUE • CARLSBAD, CA 92008 • (760) 438-4422 • FAX (760) 438-0173

Section IX SSMP Evaluation Checklist

The Statewide Waste Discharge Requirements (WDR) governing sanitary sewers specify that each Wastewater Collection Agency shall:

- evaluate the implementation and effectiveness of the Enrollee's SSMP in preventing spills,
- evaluate the Enrollee's compliance with the WDR,
- identify SSMP deficiencies in addressing ongoing spills and discharges to waters of the State; and
- identify necessary modifications to the SSMP to correct deficiencies.

Maintaining the applicability of the SSMP to District activities necessitates ongoing evaluation of the activities the District performs, their success, and improvement, if necessary. The Section IX SSMP Evaluation Checklist (Evaluation Checklist) is used on an annual basis to evaluate the applicability and effectiveness of the District's SSMP.

In completing the Evaluation Checklist (found in Attachment A), we find that, in general, the District's activities, programs, and efforts meet or exceed the requirements of the WDR and SSMP. Minor changes have been made to the SSMP to reflect the overall WDR update. However, the changes do not necessitate a re-adoption of the SSMP prior to the scheduled 2031 revision, per the required six year cycle. In completing the Evaluation Checklist, there are several items to note, as discussed in the Audit Discussion section below.

Section X SSMP Audit Checklist

The Statewide WDRs governing sanitary sewers specify that the District shall conduct periodic internal audits, appropriate to the size of the system and the number of spills. These audits must occur, at a minimum, every three years and a report must be prepared and kept on file. The audit shall focus on evaluating the effectiveness of the SSMP and the District's compliance with the WDR and SSMP requirements, including the identification of any deficiencies in the SSMP and the steps taken to correct them.

The District has chosen to conduct their SSMP audit on an annual basis. In completing the Audit Checklist, we find all requirements of the checklist to be current and implemented. The completed Audit Checklist for FY26 can be found in Attachment B.

Audit Discussion

The following paragraphs highlight notable elements of the FY26 Audit organized by the relevant SSMP Section. Additional notes can be found on the Evaluation Checklist in Attachment A.

Sections I, II, and III (District Goals, Organization, and Legal Authority). No appreciable changes have occurred to the District's Goals, Organization, or Legal Authority since the 2025 SSMP. The statewide WDR which governs the SSMP was revised/updated and became effective on June 5, 2023. District staff took an active role in this process in 2023 regarding reissuance of the WDR including attending virtual State Water Board workshops and updating pertinent SOPs. There was one new field services staff hired in FY26.

Section IV (Preventative Maintenance Program). General statistics regarding the District's preventative maintenance activities are provided in Attachment C. Also in Attachment C, Exhibit C-1 graphically illustrates those areas within the District which are readily accessible for hydrocleaning and closed circuit television (CCTV) inspection and those areas which have additional needs or requirements in order to hydroclean or CCTV, such as the need for significant traffic control procedures or night work due to day time traffic volume or wastewater flows.

Exhibit C-2 tracks the general progress of CCTV inspections in the District. Per the District's SSMP, the District strives to CCTV their entire system every three years. The District is on track to meet its goal of CCTV inspecting its 200 mile gravity sewer system within a three-year timeframe.

The District has decided to reduce the CCTV inspection frequency of select gravity sewer lines with additional requirements (El Camino Real and the Batiquitos influent) to five year intervals similar to the Lanikai sewer line. These will be further assessed, and a determination of CCTV inspection frequency will be made at future SSMP audits.

In FY16, the District began introducing foam treatments in pipelines and manholes for the treatment of roots. The initial results were favorable and the District has incorporated foam treatment into the regular schedule of preventative maintenance activities. Additional line segments and manholes utilized foam treatment for root control in FY26.

In FY20, the District's portable flow meters (Echo meters) were relocated to strategic gravity sewer locations which are difficult to clean and CCTV inspect. In addition to monitoring capacity, the meters have assisted in determining whether the frequency of the resource intensive cleaning and CCTV activities of these locations can be extended. These locations are also being further evaluated in terms of inflow and infiltration.

In FY21, a mutual maintenance services and equipment agreement between the District and Olivenhain Municipal Water District (OMWD) was prepared. The agreement enables the District to have access to OMWD's hydraulic valve turning equipment services. These services will be utilized to exercise three large valves every six months at the major District pump stations. In return, the District will provide services to clean two of OMWD's pump station wet wells.

The District's Asset Management Plan (AMP) was revised in April 2023. Progress throughout FY26 with respect to the AMP (and other asset planning efforts) is summarized in the Attachment I letter-report at the end of the audit. The District's revised AMP is summarized as well in Attachment I.

The FY26 SOP training schedule can be found in Attachment D and all updated SOPs are included on a CD in Attachment E.

Section VI (Spill Emergency Response Plan). An overall update to the District's Spill Emergency Response Plan (SERP), previously titled Overflow Emergency Response Plan (OERP), was completed in FY23. The OERP had been reviewed and revised (as needed) on

an annual basis since the original SSMP adoption in 2009 by the District. Per the new Statewide WDR update, the OERP was required to be updated and implemented as the SERP per the Order's guidance.

Section VII (Sewer Pipe Blockage Control Program). There have been no public spills attributable to fats, oils, grease (FOG), rags, and debris sewer pipe blockage since FY11. The District continues to require BMP agreements for all new Food Services Establishments (FSEs) as well as further continuing its outreach via newsletters, door hangers, inspections, etc. Additionally, the District is training field staff and conducting inspection of grease interceptors/traps in shopping plazas that show significant corrosion of manholes (31 inspections completed in FY26). District FSE inspections have included notification of sufficient grease cleaning as well as ensuring that certified grease haulers are being utilized by the FSEs.

Section VIII (System Evaluation and Capacity Assurance). The District continues to monitor (and address as necessary) the presence of scale in the Alga Hills area. The area was most recently CCTV inspected in FY25 and is hydrocleaned in accordance with District standard practices. Any defects discovered during the CCTV inspections are incorporated into the District's Repair Priority List.

Inflow domes have been installed in 2,850 of the District's 5,221 manholes to aid in reducing inflow. The District will continue to repair/replace inflow domes as it becomes necessary.

Smoke testing was performed in the Leucadia area in FY26. A majority of the defects were found along private laterals and cleanouts. Subsequently, the District ensured necessary repairs were completed to the private lateral and cleanout defects which reduces the amount of inflow in the District's sewer system.

Flow analyses of the District were conducted as part of the District's 2008, 2013, 2018, and 2023 AMPs. All four documents concluded that estimates of average and peak ultimate flows are within the design values of the District and less than the flows utilized in the District's detailed capacity analyses conducted as part of the 1999 Wastewater Master Plan. There are no capacity-driven replacement projects currently identified for the District. For reference,

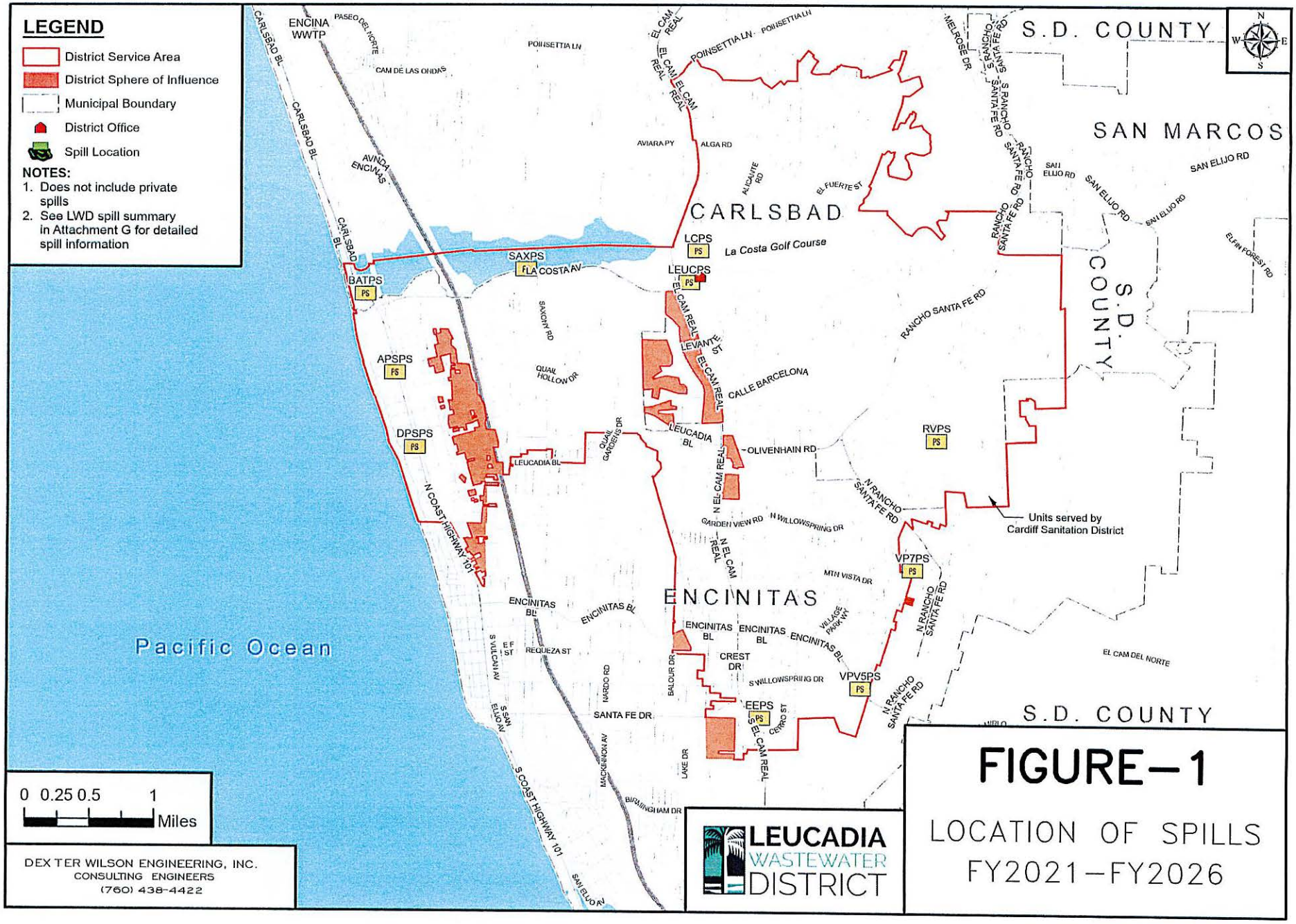
the current buildout flows for the District are projected to be 4.7 mgd in comparison to the 1999 Master Plan where buildout flows were projected at 6.5 mgd.
The District's monthly flow comparison for FY25 and FY26 can be found in Attachment F. In comparison to FY23, average daily flows have slightly increased in FY26.

Other FY26 system evaluation activities included the continuance of converting the Inframap data transfer to a cloud-based system.

Section IX (Monitoring, Measurement, and Program Modifications). The District's Spill Summary from the SSMP update in FY19 through FY26 can be found in Attachment G. No public spills occurred in FY26.

Spill review checklists for each spill event are on file at the District office. Figure 1 identifies the location of each spill in a public line or manhole since the FY19 SSMP update. There were three private lateral spills in FY26 totaling 600 gallons which was all captured and vacuumed up. The District does not own, operate, or maintain laterals that connect into its collection system. The District responds to and assists with the clean-up of private lateral spills as a courtesy to residents. Spill occurrence and volume continues to decline which demonstrates the District's successful preventative maintenance programs.

Section XI (Communication Program). The District has made the 2025 SSMP and subsequent audits available on its website. The District also actively posts to Facebook to communicate generally with the public. Examples of Facebook posts by the District in FY26 included reminders about the problems that wipes and grease cause in the sewer system, tips on how customers can better maintain their private sewer plumbing, keeping easements clear, and information on District activities such as smoke testing, routine maintenance work/traffic control, etc. Additionally, SSMP updates and SSMP Audits are formally presented to the Engineering Committee and Board of Directors.


LEGEND
District Service Area
District Sphere of Influence
Municipal Boundary
District Office
Spill Location
NOTES:
1. Does not include private spills
2. See LWD spill summary in Attachment G for detailed spill information
ENCINA WWTP
CARLSBAD
ENCINITAS
SAN MARCOS
S.D. COUNTY
Pacific Ocean
LCPS
La Costa Golf Course
LEUCPS
SAXPS
BATPS
APSPS
DPSPS
RVPS
VP7PS
VPV5PS
EEPS
Units served by Cardiff Sanitation District
0 0.25 0.5 1 Miles
DEXTER WILSON ENGINEERING, INC.
CONSULTING ENGINEERS
(760) 438-4422
LEUCADIA WASTEWATER DISTRICT
FIGURE–1
LOCATION OF SPILLS
FY2021–FY2026

Recommended SSMP Edits

Attachment H to this audit document contains specific edits to the 2025 SSMP. The only edit/change recommended to the SSMP based on the FY26 Audit is an additional sentence in the preventative maintenance section stating a 10 year inspection schedule for metallic force mains via the "smart ball" or most cost effective method for condition assesment. This change is not significant enough to warrant re-adoption of the District's SSMP.

Future edits, if necessary, will continue to be documented in the SSMP change log (Appendix B of the SSMP and Attachment H of subsequent audits). Future edits/revisions to the SSMP will be evaluated to determine whether or not they are significant enough to warrant re-adoption of the District's SSMP prior to the scheduled 2031 revision.

Summary of Recommendations

The following section summarizes recommended items as a result of the FY26 Audit:

- Ensure that La Costa Golf Course and La Costa Avenue, Alga Road, and Rancho Santa Fe Road sewers, which all require additional measures (e.g. traffic control, easements, etc.), maintain cleaning/CCTV cycles (See Attachment C). Select La Costa Golf Course sewers along the southern alignment are recommended to be scheduled for CCTV inspection next as well as select red segments indicated on Exhibit C-2.
- Ensure that the planned O&M activities (e.g. hydroclean and CCTV inspect every 5 years) for the Lanikai and Occidental sewer lines are on track (see AMPI memorandum Attachment A). The Occidental sewer line was hydrocleaned by Carlsbad in FY22. The Lanikai sewer line was hydrocleaned and CCTV inspected by the District in FY23 and visually inspected in FY26.
- Ensure that regular CIWQS reporting activities continue to be completed in accordance with the updated 2022 WDR and most current SSMP (most recently updated in 2025)
- Add an additional sentence in the preventative maintenance section of the SSMP stating a 10 year inspection schedule for metallic force mains via the "smart ball".

Next Steps

This SSMP FY26 Audit should be received and filed by the District Board as well as retained for inclusion in the current District's 2025 SSMP. Please be sure to post this FY26 Audit on the District's website and include a hardcopy in the District's 2025 SSMP counter copy. We appreciate the opportunity to have worked with the District on this project. Should you have any questions please do not hesitate to contact us.

Dexter Wilson Engineering, Inc.

Steven Henderson, P.E.

NF:SH:ah

Attachment(s)

This audit was conducted in collaboration with, and the audit recommendations have been reviewed by the Field Services Department.

Marvin Gonzalez
Field Services Superintendent