



**BOARD OF DIRECTORS
EAST BAY MUNICIPAL UTILITY DISTRICT**

375 - 11th Street, Oakland, CA 94607

Office of the Secretary: (510) 287-0440

Notice of Time and Location Change

PLANNING COMMITTEE MEETING

Tuesday, October 12, 2021

9:30 a.m.

*****Virtual*****

Notice is hereby given that the Tuesday, October 12, 2021 Planning Committee Meeting of the Board of Directors has been rescheduled from 9:15 a.m. to 9:30 a.m.

In accordance with Government Code section 54953(e), **this meeting will be conducted by webinar and teleconference only.** A physical location will not be provided for this meeting.

Dated: October 7, 2021

A handwritten signature in blue ink that reads 'Rischa S. Cole'.

Rischa S. Cole
Secretary of the District

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**BOARD OF DIRECTORS
EAST BAY MUNICIPAL UTILITY DISTRICT**

375 - 11th Street, Oakland, CA 94607

Office of the Secretary: (510) 287-0440

**AGENDA
Planning Committee
Tuesday, October 12, 2021
9:30 a.m.
Virtual**

Location

In accordance with Government Code section 54953(e), **this meeting will be conducted by webinar and teleconference only.** A physical location will not be provided for this meeting.

Committee Members: Marguerite Young {Chair}, Lesa R. McIntosh and Frank Mellon

***** Please see appendix for public participation instructions*****

PUBLIC COMMENT: The Board of Directors is limited by State law to providing a brief response, asking questions for clarification, or referring a matter to staff when responding to items that are not listed on the agenda.

DETERMINATION AND DISCUSSION:

- | | | |
|----|--|----------|
| 1. | Fontaine Pumping Plant Replacement Project Update and Availability of the Draft Mitigated Negative Declaration | (Yoloye) |
| 2. | Interceptor Level Monitoring Station and Overflow Structure Improvements Project | (White) |
| 3. | Wet Weather Program Management Update | (White) |
| 4. | Water System Capital Construction Support Agreements for Fiscal Year 2022-2023 | (Yoloye) |

ADJOURNMENT:

Disability Notice

If you require a disability-related modification or accommodation to participate in an EBMUD public meeting, please call the Office of the Secretary (510) 287-0404. We will make reasonable arrangements to ensure accessibility. Some special equipment arrangements may require 48 hours advance notice.

Document Availability

Materials related to an item on this agenda that have been submitted to the EBMUD Board of Directors within 72 hours prior to this meeting are available for public inspection in EBMUD's Office of the Secretary at 375 11th Street, Oakland, California, during normal business hours, and can be viewed on our website at www.ebmud.com.

**Planning Committee Meeting
Tuesday, October 12, 2021
9:30 a.m.**

EBMUD public Board meetings will be conducted via Zoom.
Board committee meetings are recorded, and live-streamed on the District's website.

Please visit this page beforehand to familiarize yourself with Zoom.
<https://support.zoom.us/hc/en-us/articles/201362193-Joining-a-Meeting>

Online

<https://ebmud.zoom.us/j/94576194030?pwd=dWZlc3hNU3JNUVBQYmNKWjJSNVZQdz09>

Webinar ID: 945 7619 4030

Passcode: 925293

By Phone

Telephone: 1 669 900 6833

Webinar ID: 945 7619 4030

Passcode: 925293

International numbers available: <https://ebmud.zoom.us/u/kdmpbwwlg2>

Providing public comment

The EBMUD Board of Directors is limited by State law to providing a brief response, asking questions for clarification, or referring a matter to staff when responding to items that are not listed on the agenda.

If you wish to provide public comment please:


- Use the raise hand feature in Zoom to indicate you wish to make a public comment
<https://support.zoom.us/hc/en-us/articles/205566129-Raising-your-hand-in-a-webinar>
 - If you participate by phone, press *9 to raise your hand
- When prompted by the Secretary, please state your name, affiliation if applicable, and topic
- The Secretary will call each speaker in the order received
- Comments on **non-agenda items** will be heard at the beginning of the meeting
- Comments on **agenda items** will be heard when the item is up for consideration
- Each speaker is allotted 3 minutes to speak; the Committee Chair has the discretion to amend this time based on the number of speakers
- The Secretary will keep track of time and inform each speaker when his/her allotted time has concluded


To observe the Planning Committee Meeting,
please visit: <https://www.ebmud.com/about-us/board-directors/board-meetings/>

EAST BAY MUNICIPAL UTILITY DISTRICT

DATE: October 7, 2021

MEMO TO: Board of Directors

THROUGH: Clifford C. Chan, General Manager 

FROM: Olujimi O. Yoloje, Director of Engineering and Construction 

SUBJECT: Fontaine Pumping Plant Replacement Project Update and Availability of the Draft Mitigated Negative Declaration

SUMMARY

The Fontaine Pumping Plant (PP) Replacement Project (Project) will construct a new pumping plant to replace the existing Fontaine PP, construct a new pipeline, and demolish the existing Fontaine PP. The Fontaine PP was identified for replacement in the West of Hills Master Plan and 2012 Infrastructure Rehabilitation Plan for Pumping Plants. This memo provides an update on the Project, including an overview of the public outreach process completed to date and the Project schedule. The Draft Mitigated Negative Declaration (MND) will be published on October 14, 2021. Staff will provide an update at the October 12, 2021 Planning Committee meeting.

DISCUSSION

Project Purpose and Description

The Fontaine PP, constructed in 1963 and located in the City of Oakland, has a capacity of 20 million gallons per day (MGD) and is the primary supply to the Upper San Leandro (USL) pressure zone when the USL Water Treatment Plant (WTP) is out of service. The existing Fontaine PP is located in a landslide zone adjacent to the main trace of the Hayward Fault and is at the end of its useful life with outdated electrical equipment and mechanical deficiencies that limit the capacity during high-demand periods. The Project will improve water service reliability by relocating the Fontaine PP outside of the active fault and landslide area and constructing a new rate control station (RCS) that can deliver water from the USL WTP to other parts of the distribution system during planned and unplanned facility and pipeline outages.

The Project includes the construction of a new 20 MGD pumping plant and RCS at 9601 MacArthur Boulevard in Oakland and approximately 4,600 feet of 30-inch pipelines to connect the new Fontaine PP to the water distribution system. Upon Project completion, the existing Fontaine PP will be demolished, and existing buried pipelines will be abandoned in place. The location of the existing and new Fontaine PP and pipelines are shown in Attachment 1.

The new pumping plant building will be approximately 45-feet by 50-feet with architectural features including beige stucco cladding with contrasting trim over cast-in-place concrete walls, covered by a steel-framed gable roof with brown asphalt shingles. The site plan includes a roof-mounted antenna, security fencing around the property, outdoor transformer and switchgear electrical equipment, access gates, a combination of paving, decomposed granite, and open-cell pavers, and an assortment of low-maintenance and drought-tolerant landscaping as shown in Attachment 2.

Site Evaluation and Purchase

The 10,757 square foot parcel of land at 9601 MacArthur Boulevard, purchased following authorization under Board Resolution No. 34083-16, was identified as the preferred site for the Fontaine PP replacement. Staff analyzed multiple potential sites for the replacement pumping plant considering factors such as property availability, parcel size, hydraulics, location relative to the Hayward fault zone, length of the new pipeline required to connect the pumping plant to existing transmission pipelines, and facility and total project costs. Any future use of the parcel was conditional upon California Environmental Quality Act (CEQA) compliance.

Review of Environmental Impacts

Pursuant to CEQA, staff completed a Draft MND that reviewed environmental impacts and proposes mitigation measures to reduce any potentially significant impacts to less than significant. Key mitigation measures include:

- Stationary lighting used during nighttime construction (if required) shall be shielded and directed downward or oriented such that the light source is not directed toward residential areas or into streets.
- A temporary pedestrian diversion shall be provided around any sidewalk obstruction to maintain the pedestrian path of travel along the sidewalk corridor on MacArthur Boulevard at the new PP site.
- The District shall coordinate with and obtain written approval from AC Transit and OakDOT for the temporary relocation or closure of any bus stops along Golf Links Road and along MacArthur Boulevard.

The District will also incorporate a number of its standard construction specifications, District Procedures, Design Guides, and Engineering Standard Practices into the Project. These standard practices and procedures are designed to address typical characteristics of District construction projects and reflect generally applicable District standard operating procedures.

Public Outreach

A public meeting was held with members of the East Oakland Collective in August 2018 during the early planning phase to provide an overview of the Project and District bidding and contracting process. Outreach meetings were also held with the neighborhood in June 2020 and City of Oakland (City) staff in February 2021 to present the conceptual site and landscape plans, discuss the potential environmental factors to be addressed in the MND, and receive community input and feedback. Issues and concerns raised by City staff and the community at these meetings included aesthetics and site security which are addressed in the Draft MND.

NEXT STEPS

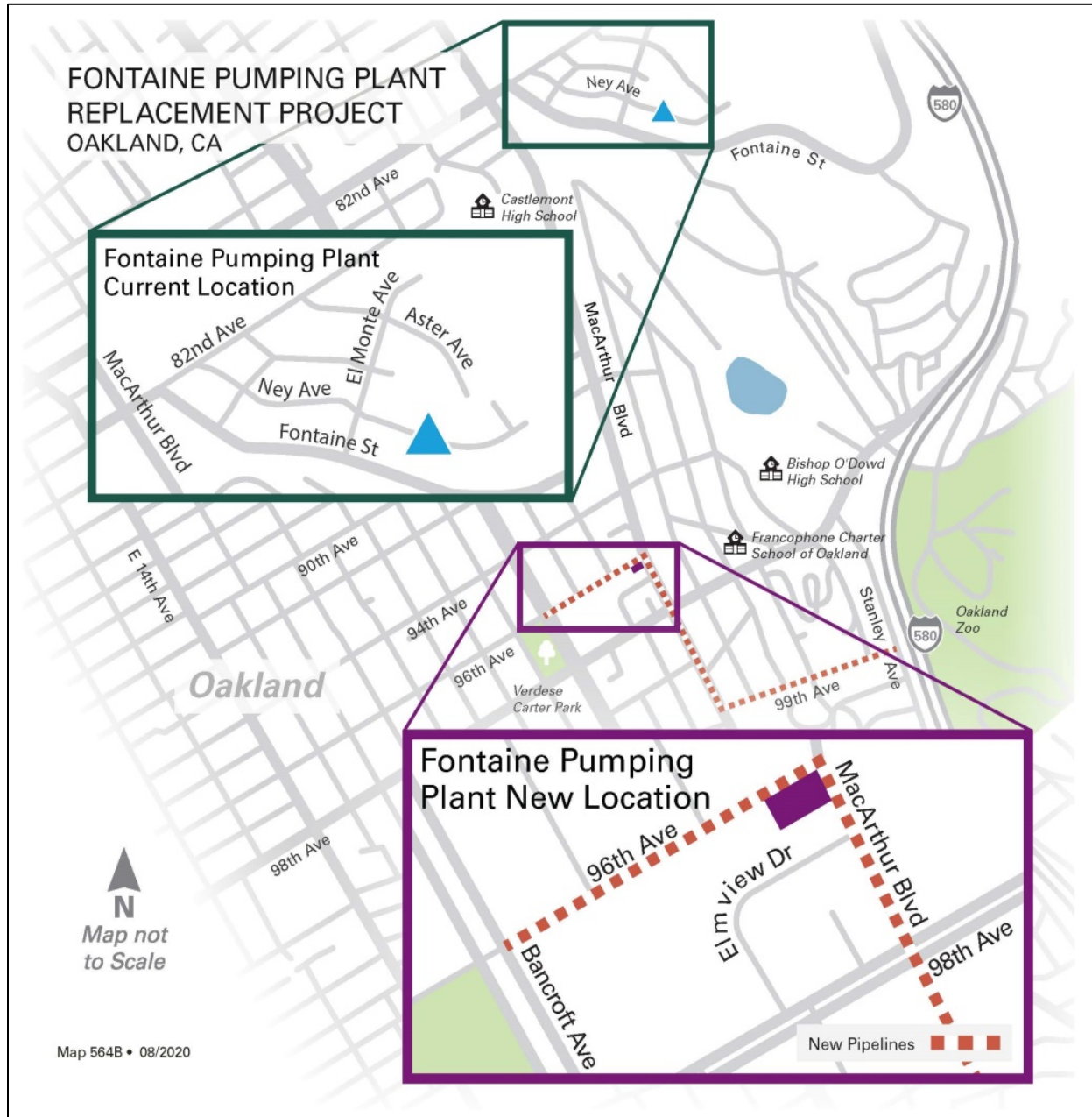
The Draft MND will be published on October 14, 2021 with a 30-day public review period ending on November 15, 2021. A public meeting will be held on October 27, 2021 to solicit comments on the Draft MND. The Final MND, which will respond to any comments received during the public review period, is scheduled for Board consideration in May 2022. If the Board approves the Final MND in May 2022, design and construction of the Project will begin in 2026 and 2028, respectively.

CCC:OOY:grd

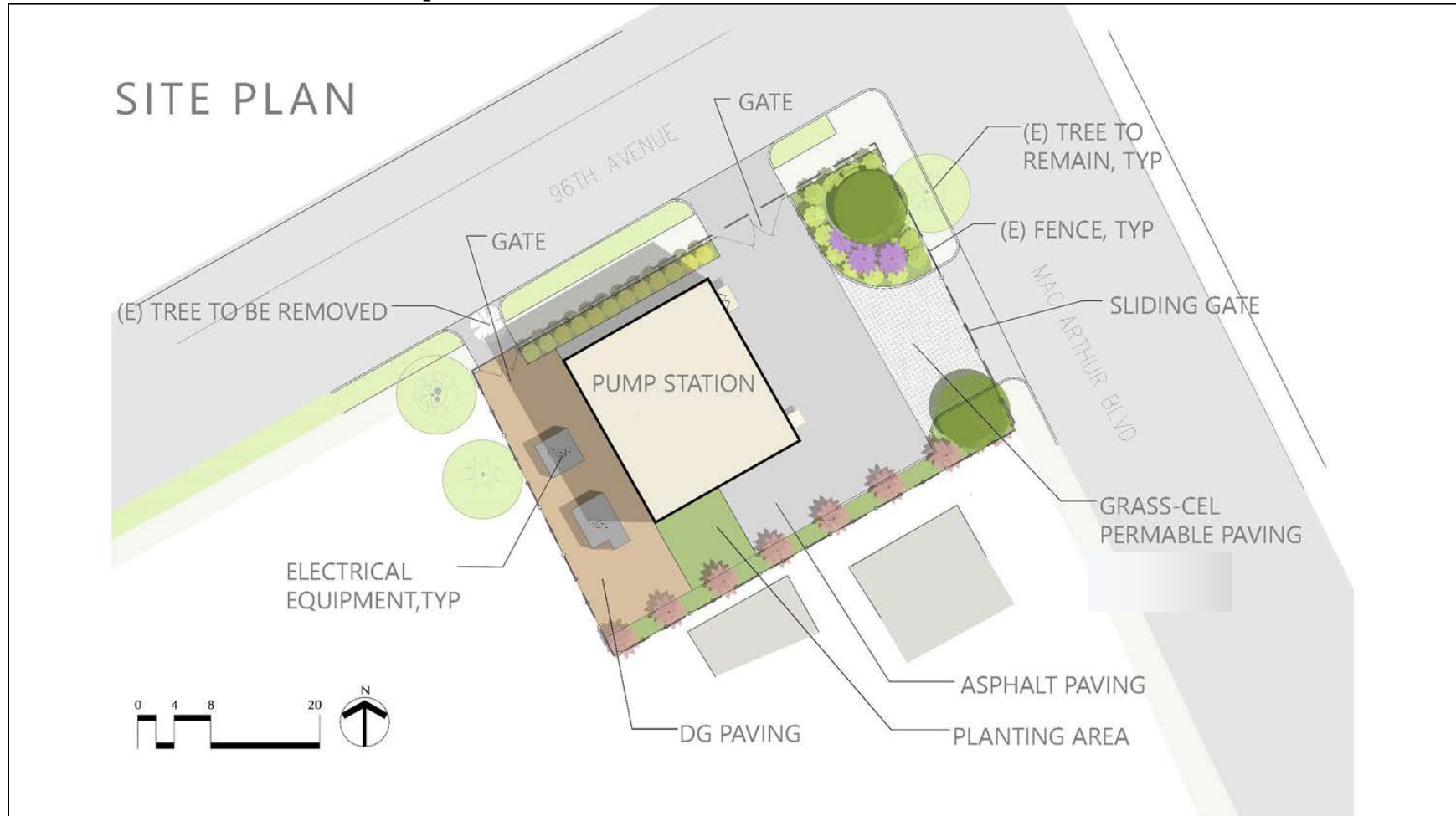
Attachments: Site Locations
Proposed Site Plan

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Attachment 1: Fontaine PP Relocation Site Locations



Attachment 2: New Fontaine PP Proposed Site Plan



EAST BAY MUNICIPAL UTILITY DISTRICT

DATE: October 7, 2021

MEMO TO: Board of Directors

THROUGH: Clifford C. Chan, General Manager *CCC*

FROM: Eileen M. White, Director of Wastewater *EMW*

SUBJECT: Interceptor Level Monitoring Station and Overflow Structure Improvements Project

SUMMARY

There are ten level monitoring stations (LMSs) that provide critical, real-time information on wastewater levels along the District's 29 miles of gravity sewer interceptors. This information is required to manage the flows to the District's Main Wastewater Treatment Plant and wet weather facilities (WWFs) during storms and helps prevent sewer overflows to the Bay from interceptor overflow structures (OFSs) and interceptor manholes. Four additional LMSs will be installed as part of this project to better monitor levels at critical locations along the interceptors and to increase reliability. In addition, existing LMSs and OFSs will be upgraded to improve reliability and one LMS enclosure will be relocated to improve staff safety. An update of this project will be presented at the October 12, 2021 Planning Committee meeting.

DISCUSSION

In 2017, the District conducted a criticality study of the interceptor LMSs and OFSs. The recommended improvements included adding four new LMSs along the South Interceptor and South Foothill Interceptor and relocating an existing LMS enclosure on the South Interceptor, all in the City of Oakland (Oakland). The following is an overview of the scope of work at the five project sites:

- Embarcadero West at Webster Street: Install a new LMS to improve monitoring of the Alameda Interceptor flows as they combine with South Interceptor flows.
- Embarcadero West at Alice Street: Install a new LMS to increase reliability and redundancy. An existing quality monitoring station will be replaced with the new LMS.
- 54th Avenue at East 12th Street: Install a new LMS to monitor flows on the South Foothill Interceptor.

- Relief Sewer at San Antonio Creek WWF: Install a new LMS to monitor flows in Oakland's 66-inch diameter relief sewer.
- Kennedy Street at Dennison Street: Relocate existing LMS panel and enclosure away from high-traffic roadway to improve safety for staff during routine observations and maintenance.

Construction of the new LMSs will also include electronics and communications equipment for remote monitoring, and the addition of uninterruptable power supplies and auxiliary air compressor storage tanks to increase reliability. All existing OFSs will be upgraded with fluid-level sensors that will trigger a high-liquid-level alarm for improved remote monitoring.

Permits and Easements for Construction

Encroachment and excavation permits were obtained from Oakland. An administrative level permit was obtained from the Bay Conservation and Development Commission for the work adjacent to the Lake Merritt Channel at the San Antonio Creek WWF. Engineering review and approval was received from the Port of Oakland. Temporary and permanent easements were obtained from the property owner at Kennedy and Dennison Streets for the new LMS location. An encroachment permit application is pending with Caltrans for the I-880 southbound off-ramp at Kennedy and Dennison Streets; staff anticipates receiving the permit within 30 days.

Community Outreach

In 2020, staff provided an overview of the project and answered questions from property owners in the vicinity of the project and the Jack London Improvement District including the following:

- Embarcadero West at Webster Street and at Alice Street: Staff corresponded with CIM Group's General Manager and on-site property management, which owns and operates a city block-long restaurant, retail, and office complex between Webster and Harrison Streets along Embarcadero West and a city block-long, seven-story apartment complex near Alice Street. Staff conducted a conference call with the Port Common Area Operator representative to inform them of this project and received no objection or comment. Staff also provided project information to the Executive Director of the Jack London Improvement District.
- 54th Avenue at East 12th Street: Staff met with the owner of Chi Fung Plastics, Inc. to discuss truck access needs to its warehouse at 54th Avenue and E 12th Street. The District's contractor will reserve street parking spaces for property owners and provide an alternate access gate when the main gate is blocked.

Staff will continue to provide project and schedule updates to parties affected by this project and will coordinate with them throughout the construction process. Staff will soon send postcards and e-mails to property owners within 300 feet of the construction sites and will continue to meet with Oakland and Caltrans to coordinate traffic impacts and comply with permits.

NEXT STEPS

The construction project for the new LMSs will be brought to the Board for consideration in November 2021. Construction is expected to begin in March 2022 and be completed by December 2022.

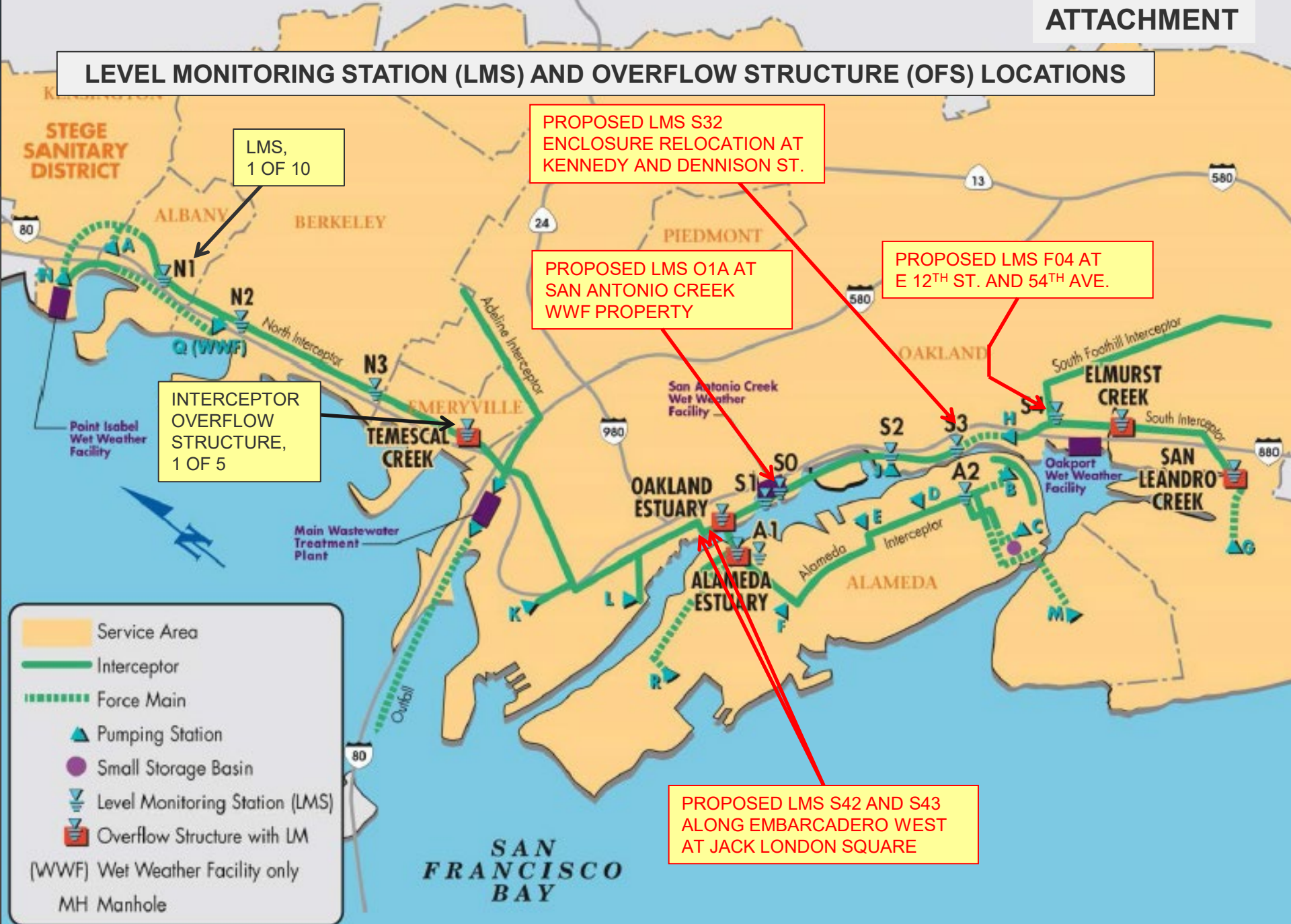
CCC:EMW

Attachment: Location Map

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LEVEL MONITORING STATION (LMS) AND OVERFLOW STRUCTURE (OFS) LOCATIONS



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EAST BAY MUNICIPAL UTILITY DISTRICT

DATE: October 7, 2021

MEMO TO: Board of Directors

THROUGH: Clifford C. Chan, General Manager *CCC*

FROM: Eileen M. White, Director of Wastewater *EMW*

SUBJECT: Wet Weather Program Management Update

SUMMARY

Protection of public health and San Francisco Bay are among the District's highest priorities. In order to help achieve these goals, the District carefully analyzes its performance during and after each wet weather season to identify improvements to the Wet Weather Program. Staff will provide an update on the District's Wet Weather Program at the October 12, 2021 Planning Committee meeting.

DISCUSSION

During large storms, flows in the interceptor system increase dramatically due to inflow and infiltration (I/I) from the District's satellite agencies' collection systems as well as from private sewer laterals. Under a 2014 Consent Decree issued by the U.S. Environmental Protection Agency, the District is collaborating with the satellite agencies and private property owners to reduce I/I to achieve more manageable flows during wet weather events. This may take over 20 years to achieve. Until this work is completed, the flows in the system can quickly overwhelm the capacity of the District's interceptor pipes. The District uses a combination of operational strategies at the Main Wastewater Treatment Plant (MWWTP), as well as at the three wet weather facilities (WWFs), to manage these flows and comply with regulatory requirements.

The 2020/2021 wet weather season was the driest on record in the East Bay. During the season, only four storms had measurable rainfall greater than 0.5 inches; the largest storm of the season had measured rainfall of 0.86 inches. One of these storms required the use of the storage basin at the MWWTP and the Oakport WWF to manage the increased flows in the systems. A second storm required the use of the storage basin at the Pt. Isabel WWF to manage the increase in flows. All regulatory requirements during storm events were achieved at the MWWTP and three WWFs. There were no discharges from any WWF and no use of blending at the MWWTP.

The District will continue to provide intensive training for each Wastewater Operator during the summer months at the WWFs, followed by a formal evaluation to ensure the training was effective. In addition, the District provides monthly refresher training at each WWF throughout

the year to strengthen Operators' confidence and skill level in operating the WWFs. The refresher training also ensures the readiness of the facilities to function during storm events by regularly operating the equipment. Enhancements planned for the refresher training program include the addition of topics including the theory of storm management and overall interceptor system operation and site visits to key pump stations critical to wet weather management. These changes will keep the training fresh and engaging for the participants.

During the past year, the District upgraded its level monitoring stations to include uninterruptable power supplies to safeguard against local power outages. This upgrade allows critical data on interceptor levels to be transmitted to the computerized control network even in the event of a localized power outage. In addition, the District initiated a project to upgrade all its wastewater pump stations to be connected via the computerized control network. Currently, four of the 15 pump stations have no connectivity to the network. This project will enable the District to remotely monitor and control all interceptor system facilities.

To ensure the District continues to adequately prepare for each wet weather season, the San Francisco Regional Water Quality Control Board requires the District to provide an annual Wet Weather Readiness Report by September 30 each year. This year's report was submitted on September 29, 2021, and documents work completed by the District related to the management of the Wet Weather Program.

NEXT STEPS


The improvements the District has made have had a positive impact on the District's ability to meet regulatory requirements. The District is committed to continuing to evaluate and improve its Wet Weather Program to ensure it meets all regulatory requirements during wet weather events.


CCC:EMW:sak

EAST BAY MUNICIPAL UTILITY DISTRICT

DATE: October 7, 2021

MEMO TO: Board of Directors

THROUGH: Clifford C. Chan, General Manager 

FROM: Olujimi O. Yoloye, Director of Engineering and Construction 

SUBJECT: Water System Capital Construction Support Agreements
for Fiscal Year 2022-2023

SUMMARY

The recently adopted Fiscal Years 2022-2026 (FY22-26) Capital Improvement Program (CIP) represents an overall 7 percent increase over the FY20-24 CIP. At the January 26, 2021 FY22 and FY23 Budget Workshop, staff discussed the need for additional contracting to support the CIP. In particular, the projected contract construction workload is expected to increase through FY26. Ensuring the construction projects are delivered in a safe, high-quality, and cost-effective manner while meeting the District's and community's expectations will require the augmentation of in-house staffing resources with outside consultants. Local 2019 was informed of the planned FY22 and FY23 agreements at a meeting on February 24, 2021 and will be notified prior to each agreement being scheduled for Board consideration. The planned FY22 and FY23 consulting agreements for construction support will be discussed at the October 12, 2021 Planning Committee meeting.

DISCUSSION

Support for construction work performed by consultants consists of shop inspection (SI), construction management and inspection (CM/I), and engineering services during construction (ESDC).

SI involves inspection of materials and equipment for quality assurance at manufacturers' and vendors' facilities. The District performs shop inspection for items of significant value and/or complexity to ensure they meet acceptance criteria before being shipped to job sites. SI activities require technical knowledge and skills, as well as travel to various manufacturing, fabricating and/or testing facilities to verify compliance with contract requirements. The shop inspection workload is intermittent, highly variable, and difficult to project. These intermittent peaks are best addressed by augmenting District staff with consultant staff.

CM/I involves several activities necessary to ensure contractor compliance with the contract documents and minimize or avoid construction claims. Construction management includes contract administration, change management, construction scheduling, cost estimating maintenance of project records, and environmental compliance. Construction inspection includes safety oversight, quality

control, quality assurance, general field coordination, and specialized inspection in such areas as deep excavation and shoring, structural concrete and welding, trenchless pipeline installation, electrical, instrumentation, and mechanical installations, building systems, and coatings. These activities are led by District staff and augmented by consultant staff, as needed. District staff will administer and manage the workload, and monitor the performance of the consultant construction management and inspection staff.

ESDC includes engineering site support, construction submittal and shop drawing review, design clarification and change order assistance, responding to requests for information, recording drawing updates, assistance for system testing and startup services, operations and maintenance (O&M) documentation and training, and asset management support services, including preparation of standard operating procedures, job procedures, and maintenance plans. District staff perform ESDC for projects that are designed by District staff. In cases where project designs were performed by consultants, those consultants, as the engineer-of-record, are retained to perform ESDC. In addition, consultants will assist, as needed, with O&M documentation and training and asset management for projects with significant quantities of specialized equipment and/or new processes. District staff will administer and manage all ESDC agreements, and monitor the performance of the consultants.

NEXT STEPS

The attached table summarizes eight consulting agreements needed in FY22-23, to support upcoming construction contract work, totaling an estimated \$54 million over approximately five years. One agreement was authorized under Board Motion No. 137-21 on August 10, 2021. The remaining seven agreements are in various stages of development and are tentatively scheduled for Board consideration on the dates shown in the attachment. An assessment of long-term capital project staffing needs is planned for completion and Board discussion in spring 2022 and may impact the staffing and contracting approach in FY24 and beyond.

CCC:OOY:mb

Attachment: Summary Table for Consulting Agreements

Agreement Description	Estimated Agreement Cost	Board Consideration	Approximate Agreement Duration
<i>Plant Inspection</i>			
On-Call Plant Inspection (*Authorized)	\$4 million	8/10/21*	FY22-26
<i>CM/CI</i>			
On-Call CM/CI	\$15 million	10/26/21	FY22-24
CM/CI Support for Orinda WTP UV Disinfection and Chemical System Safety Improvements Projects	\$10 million	1/11/22	FY22-26
<i>ESDC</i>			
ESDC for Orinda WTP Disinfection Improvements Project	\$14 million	1/11/22	FY22-26
ESDC for Orinda WTP CSSIP (combined with Orinda WTP Disinfections Improvements Project)	\$3 million	1/11/22	FY22-24
ESDC for USL and Sobrante WTP CSSIP (combined with USL WTP Maintenance and Reliability Improvements Project)	\$3 million	June 2022	FY23-25
ESDC for Walnut Creek WTP, Lafayette WTP, and BDF CSSIP (to be combined with Walnut Creek WTP Filters 1-4 Project)	\$3 million	Late FY23	FY24-26
On-call Asset Management Support Services and O&M Documentation Development for Capital Projects	\$2 million	12/14/21	FY22-26
	\$54 million		