



Posting Date: 05-17-2021

NOTICE OF REGULAR MEETING OPERATIONS COMMITTEE/BOARD OF DIRECTORS (OPERATIONS)

MEETING DATE: 05-21-2021
TIME: 9:30 a.m.
LOCATION: This meeting will be held virtually, pursuant to the Governor’s Executive Order N-29-20.

To participate online, go to <https://zoom.us/j/91431914297>. You can also participate by phone by calling 1-669-900-6833 and entering the webinar ID#: 914 3191 4297.

PARTICIPATION DURING MEETINGS: During the public comment periods, the public may comment by clicking the “raise hand” button on the bottom of the Zoom screen; if you are joining by phone and would like to comment, press *9 and we will call on you as appropriate.

EMAILED PUBLIC COMMENTS: You may submit your comments in advance of the meeting by emailing them to BoardComment@MarinWater.org. All emailed comments received by 7:30 a.m. on the day of the meeting will be provided to the Board of Directors prior to the meeting. Those emailed comments on approval items received by 7:30 a.m. will also be summarized by the board secretary at the board meeting. All emails will be posted on our website. (Please do not include personal information in your comment that you do not want published on our website such as phone numbers and home addresses.)

AGENDA ITEMS	RECOMMENDATIONS
Call to Order and Roll Call	
Adopt Agenda	Approve
Public Comment <i>Members of the public may comment on any items not listed on the agenda during this time. Comments will be limited to three minutes per speaker, and time limits may be reduced by the Committee Chair to accommodate the number of speakers and ensure that the meeting is conducted in an efficient manner.</i>	

MARIN WATER BOARD OF DIRECTORS: LARRY BRAGMAN, JACK GIBSON, CYNTHIA KOEHLER, LARRY RUSSELL, AND MONTY SCHMITT

AGENDA ITEMS	RECOMMENDATIONS
Calendar	
1. Minutes of the Operations Committee/Board of Directors (Operations) Meeting of April 16, 2021	<i>Approve</i>
2. 2020 Urban Water Management Plan Update - Water Shortage Contingency Plan	<i>Information</i>
3. Water System Master Plan Update	<i>Information</i>
4. Fire Flow Improvement Program Monterey Avenue Pipeline Replacement Project	<i>Review and Refer for Board Approval</i>
5. 2021 Corrosion Test Station Rehabilitation Project (D21020)	<i>Review and Refer for Board Approval</i>
6. Award of Contract No. 1948 for Fuelbreak Maintenance and Invasive Management	<i>Review and Refer for Board Approval</i>
7. First Amendment 1 to Contract No. 1875 with West Coast Arborists, Inc. for Tree Maintenance	<i>Review and Refer for Board Approval</i>
Adjournment	

ADA NOTICE AND HEARING IMPAIRED PROVISIONS:

In accordance with the Americans with Disabilities Act (ADA) and California Law, it is Marin Water’s policy to offer its public programs, services, and meetings in a manner that is readily accessible to everyone, including those with disabilities. If you are disabled and require a copy of a public hearing notice, an agenda, and/or agenda packet in an appropriate alternative format, or if you require other accommodations, please contact Board Secretary Terrie Gillen at 415.945.1448, at least two days in advance of the meeting. Advance notification will enable the Marin Water to make reasonable arrangements to ensure accessibility.

INFORMATION PACKETS ARE AVAILABLE FOR REVIEW AT THE CIVIC CENTER LIBRARY, CORTE MADERA LIBRARY, FAIRFAX LIBRARY, MILL VALLEY LIBRARY, MARIN WATER OFFICE, AND ON THE MARIN WATER WEBSITE (MARINWATER.ORG)

FUTURE BOARD MEETINGS:

- ❖ Thursday, May 27, 2021
 Finance & Administration Committee/Board of Directors (Finance & Administration)
 Meeting
 9:30 a.m.


 Board Secretary



Item Number: 01
Meeting Date: 05-21-2021
Meeting: Operations
Committee/Board of Directors
(Operations)

Approval Item

TITLE

Minutes of the Operations Committee/Board of Directors (Operations) Regular Meeting of April 16, 2021

RECOMMENDATION

Approve the adoption of the minutes.

SUMMARY

On April 16, 2021, the Operations Committee/Board of Directors (Operations) held its regularly scheduled monthly meeting. The minutes of the meeting are attached.

DISCUSSION

None

FISCAL IMPACT

None

ATTACHMENT(S)

1. Minutes of April 16, 2021, Meeting of the Operations Committee/Board of Directors (Operations)

DEPARTMENT OR DIVISION	DIVISION MANAGER	APPROVED
Communications & Public Affairs Department	 Terrie Gillen Board Secretary	 Ben Horenstein General Manager

**MARIN MUNICIPAL WATER DISTRICT
OPERATIONS COMMITTEE /BOARD OF DIRECTORS (OPERATIONS) SPECIAL MEETING**

MINUTES

Friday, April 16, 2021

Via teleconference

(In accordance with Governor Gavin Newsom’s Executive Order N-29-20)

DIRECTORS PRESENT: Larry Bragman, John C. Gibson, Larry L. Russell, Monty Schmitt, and Cynthia Koehler

DIRECTORS ABSENT: None

CALL TO ORDER: Chair Russell called the meeting to order at 9:32 a.m.

ADOPT AGENDA:
On motion made by Director Bragman and seconded by Director Gibson, the board approved the adoption of the agenda by the following roll call vote:

Ayes: Directors Bragman, Gibson, Koehler, Schmitt, and Russell
Noes: None

PUBLIC COMMENT:
There was one public comment.

CALENDAR ITEMS:

ITEM 1. MINUTES OF THE OPERATIONS COMMITTEE /BOARD OF DIRECTORS (OPERATIONS) SPECIAL MEETING OF MARCH 26, 2021

On motion made by Director Bragman and seconded by Director Gibson, the board approved the minutes by the following roll call vote:

Ayes: Directors Bragman, Gibson, Koehler, Schmitt, and Russell
Noes: None

ITEM 2. REVIEW OF PROPOSED MANDATORY CONSERVATION RESTRICTIONS

General Manager Ben Horenstein brought this item forward. Discussion followed.

There were four public comments.

This was an information only item, so the board took no formal action.

ITEM 3. LANDSCAPE RESTRICTIONS FOR NEW CONNECTIONS UNDER DROUGHT CONDITIONS

Water Conservation Manager Carrie Pollard presented this item. Discussion ensued.

There were three public comments.

This was an information only item, so the board took no formal action.

ITEM 4. LONG-TERM WATER SUPPLY REVIEW

Operations Manager Paul Sellier began to present this item. However, due to time and the number of items remaining, the chair requested that this item and Items 6 and 7 be brought to the board at a future board meeting. Chair Russell, however, did want to hear Item 5. The board agreed to both requests.

Before moving on to Item 5, the board heard two public comments.

ITEM 5. ADOPT A RESOLUTION AUTHORIZING THE GENERAL MANAGER TO ISSUE A TEMPORARY LIMITED USE PERMIT FOR SERVICE FROM A HYDRANT TO THE MARIN COUNTY AGRICULTURAL COMMISSION FOR WATER FOR LIVESTOCK

Mr. Sellier also brought forth this item. The board and staff conversed afterwards.

There were no public comments.

On motion made by Director Gibson and seconded by Director Bragman, the board approved Resolution No. 8629 by the following roll call vote:

Ayes: Directors Bragman, Gibson, Koehler, Schmitt, and Russell
Noes: None

ITEM 6. BIODIVERSITY, FIRE, AND FUELS INTEGRATED PLAN-PRESCRIBED BURNING PLANNING REPORT

This item was tabled to a future board meeting yet to be determined.

ITEM 7. NON-STRUCTURAL SPILLWAY REPAIR PROJECT (D21013)

This item was tabled to a future board meeting yet to be determined.

ADJOURNMENT

There being no further business, the Operations Committee/Board of Directors (Operations) special meeting adjourned at 11:32 a.m.

Board Secretary

DRAFT



Item Number: 02
Meeting Date: 05-21-2021
Meeting: Operations
Committee/Board of Directors
(Operations)

Informational Item

TO: Operations Committee/Board of Directors (Operations)

FROM: Crystal Yezman, Director of System Maintenance and Natural Resources
Paul Sellier, Director of Operations

THROUGH: Ben Horenstein, General Manager

DIVISION NAMES: Facilities & Watershed and Operations

ITEM: 2020 Urban Water Management Plan Update - Water Shortage Contingency Plan

SUMMARY

In preparation for the development of the 2020 Urban Water Management Plan (UWMP), staff will review key components of the Draft Water Shortage Contingency Plan (WSCP). While the water supply reliability assessment based upon historical weather patterns indicate the district has adequate water supply to meet future demand, the WSCP includes a new requirement that the District plan for stages of response to theoretical water shortages caused by drought or some other catastrophic supply interruption. The primary objective of the WSCP is to ensure that the District has in place the necessary resources and management responses needed to protect health and human safety, minimize economic disruption, and preserve environmental and community assets during water supply shortages and interruptions.

DISCUSSION

As defined under the State's guidance for developing an UWMP, a WSCP describes how the District will respond to water shortage conditions by identifying predetermined steps taken based on predetermined triggers. Suppliers are now also required to consider plausible changes in climate, among other considerations, as part of a drought risk assessment (DRA) as an element of the WSCP. A shortage condition identified by the DRA indicates that there may be a water service reliability concern that the District would then address with specific shortage response actions described in the WSCP.

The required elements of a Water Shortage Contingency Plan include the following provisions:

- Six standard water shortage levels corresponding to progressive ranges of up to 10-, 20-, 30-, 40-, and 50-percent shortages and greater than 50-percent shortage.

- Locally appropriate “shortage response actions” for each shortage level, with a corresponding estimate of the extent to which the action will address the gap between supplies and demands.
- An annual water supply and demand assessment with prescribed elements submitted by July 1 to the state each year.
- Communication protocols and procedures to inform customers, the public, and government entities of any current or predicted water shortages and associated response actions.
- Monitoring and reporting procedures to assure appropriate data is collected to monitor customer compliance and to respond to any state reporting requirements.
- A reevaluation and improvement process to assess the functionality of the WSCP and to make appropriate adjustments as may be warranted.

Staff will review the key components that have been developed in the Draft WSCP, including six water shortage stages and triggers for those stages that are specific to the District’s water supply as well as possible response actions that are anticipated to effectively manage any water shortage supply shortfalls.

FISCAL IMPACT

No fiscal impact

ATTACHMENT(S)

None



Item Number: 03
Meeting Date: 05-21-2021
Meeting: Operations
Committee/Board of Directors
(Operations)

Informational Item

TO: Operations Committee/Board of Directors (Operations)

FROM: Michael Ban, Director of Engineering *MB*

THROUGH: Ben Horenstein, General Manager *BH*

DIVISION NAME: Engineering

ITEM: Water System Master Plan Update

SUMMARY

The District's Water System Master Plan will inform long-term capital investment efforts needed to improve the water system's infrastructure, and includes a focused evaluation of the Ross Valley storage system and is being prepared by Woodard & Curran. Work on the Water System Master Plan began in September 2020 and will be completed in summer 2022. Thus far the consultant has identified key system challenges, evaluated planning and design criteria, and begun assessment of the Ross Valley System. The project team will present an overview of the work completed thus far on the Ross Valley system at the May 21st Operations Committee meeting.

DISCUSSION

The Need for a Water System Master Plan

The purpose of the Water System Master Plan (WSMP) is to conduct a comprehensive evaluation of the District's complex water system infrastructure to determine infrastructure needs and long-term capital investments for maintaining reliability and improving operability of the water system. The WSMP will identify potential system improvements and inform the District's capital improvement program (CIP) moving forward. District staff previously updated the Board on the WSMP on September 25, 2020 (Board Retreat) and February 19, 2021 (Operations Committee), and will continue to update the Board on the WSMP throughout the duration of the project.

The District owns and operates water production, storage, treatment, and distribution facilities to serve the nearly 190,000 customers within its boundaries. The water system owned and maintained by the District consists of 80 square miles of watershed lands, seven reservoirs and dams, over 900 miles of pipelines, 124 storage tanks, 95 pumping stations, over 140 pressure

zones, and three potable water treatment facilities. Managing the replacement or renewal of these aging assets, many with ages ranging from 50 to over 100 years, with a replacement value (excluding dams and reservoirs) of over \$2 billion, requires a comprehensive and strategic program that considers asset life-span, level of service, and condition data. The WSMP will include analysis of long-term potential investments for water system assets that are essential to the delivery of water.

The District last completed a Water Master Plan in 1975 while the county population was rapidly increasing and additional water distribution facilities were essential to meeting future demand. Even though there have been infrastructure plans developed in the interim, they did not capture the entirety of the system's needs and opportunities as contemplated by the WSMP.

Work Completed to Date

In August 2020, the District awarded the WSMP contract to Woodard & Curran (W&C). The first task included numerous site visits of storage tanks and pumping stations to get a representative overview of the District's assets and key challenges. Over a dozen sites were visited, ranging from large facilities such as Smith Saddle tanks to postage stamps sites like Mesa Vista pump station. Concurrently, planning and design criteria were evaluated and adjusted as necessary along with system-level modeling to ensure that future improvements targeted assets for which the investment provides the greatest value.

In January 2021, the project moved into the next task, a focused evaluation of the Ross Valley system, which supplies water to approximately 44,000 customers (23% of the District's customers), and Pine Mountain Tunnel. This task will specifically develop and evaluate alternatives for resolution of the dual challenges presented by the lack of adequate storage in Ross Valley and the poor condition of two critical storage facilities that serve Ross Valley: Ross Reservoir and Pine Mountain Tunnel. To date, the project team has reviewed previous studies and assumptions to improve storage capacity and reliability in the Ross Valley system and investigated potential storage sites. The project team has also developed alternatives, and sites include locations that were previously analyzed as well as new potential storage site locations. The Project Team presented an updated on the WSMP to the Operations Committee on February 19, 2021.

Next Steps

The next step for the Ross Valley work will be to pursue preliminary design and CEQA. For this, the District will develop a Request for Proposals (RFP) and staff will present contract recommendations at a future Board meeting. Once the preliminary design and CEQA process has begun, the project team will then look at the remainder of the system and provide an overall system evaluation to maintain reliability and improve operability of the water system in the long-term, and evaluate major elements of the distribution system, including pipelines, storage tanks, pump stations, and pressure regulating facilities using the updated planning and

design criteria to highlight system deficiencies. Long-term rates of renewal by asset class will be established to inform long-term capital investment planning as well as short-term high priority projects based on the system evaluation.

FISCAL IMPACT

None



Item Number: 04
 Meeting Date: 05-21-2021
 Meeting: Operations
 Committee/Board of Directors
 (Operations)

Review and Refer for Board Approval

TO: Operations Committee/Board of Directors (Operations)

FROM: Michael Ban, Director of Engineering *MB*

THROUGH: Ben Horenstein, General Manager *BH*

DIVISION NAME: Engineering

ITEM: Fire Flow Improvement Program Monterey Avenue Pipeline Replacement Project

SUMMARY

The Fire Flow Improvement Program Monterey Avenue Pipeline Replacement Project (Project) (F18006) will install approximately 7,200 feet of new pipe to replace old, undersized fire flow deficient pipe in the Town of San Anselmo in coordination with other municipal projects in the area to minimize inconvenience to the public. On June 1, 2021, the District will open construction bids for the Project. District staff will make a recommendation for contract award at a future regularly scheduled Board meeting.

DISCUSSION

The Project is a component of the District’s Fire Flow Improvement Program. This Project will replace 7,200 feet of leak prone, undersized piping installed as early as 1914 in coordination with the Town of San Anselmo’s paving project to minimize inconvenience to the public. The Project will take place in the locations described in Table 1 and shown on the map provided in Attachment 1.

**Table 1
 Pipeline Replacement Locations**

Street	Length	Installation Date	Existing Size & Type
Mountain View Ave.	1,100 ft	1925	6” and 4” CIP
Beverly Way	550 ft	1925	4” CIP
Rivera Street	750 ft	1914	4” CIP
Brookside Dr.	700 ft	1925	8” and 4” CIP
Cordone Dr.	850 ft	1914	4” GTP
Los Angeles Blvd.	1,750 ft	1947	6” and 4” CIP
Monterey Ave.	1,300 ft	1947	4” CIP
Monterey Terrace	200 ft	1947	4” CIP

CIP = cast iron pipe, GTP = galvanized threaded pipe

These street segments were evaluated for the installation of recycled water piping. There are no recycled water pipelines near the Project site and there is no plan for recycled water services in the areas at this time, therefore installation of recycled water pipelines was not included in this Project.

Summaries of the estimated Project costs and schedule are provided below.

Budget:

Engineer's Estimate:	\$1,630,000
Contingency:	\$160,000
Materials and Professional Fees:	\$240,000
District Labor/Inspection:	\$320,000
Pavement Credit:	\$70,000
Total Budget:	\$2,420,000
Budget Category:	A2A

Project Implementation:

Project Advertisement:	May 18, 2021
Bid Opening:	June 1, 2021
Project Award:	June 15, 2021
Estimated Completion Date:	February 10, 2022
Duration:	240 days

ENVIRONMENTAL REVIEW

The Project is categorically exempt pursuant to Title 14, Section 15302(c) of the California Code of Regulations, Replacement or Reconstruction, because it is the replacement of water pipeline involving negligible or no expansion of capacity. A copy of the draft Notice of Exemption is enclosed as Attachment 2.

PUBLIC OUTREACH EFFORTS

The District's multi-step process for notifying customers about this Project began in November 2018 when District staff initiated discussions with the Town of San Anselmo. District staff has continually coordinated with the San Anselmo public works department and has discussed the Project with other stakeholders. Public outreach steps to be taken are described in the table below.

Department	Action
Engineering (Nov 2018)	Issued pre-project notification letter with map to all customers along the Project route
Engineering	Upon approval of the contract by the Board, send Project information letter with a map to all customers along the Project route.
Public Information	Issue news release to local media (print and online outlets).
Public Information	Post on MMWD website.
Public Information	Post on MMWD Nextdoor page for affected neighborhoods.
Public Information	Send notice to the Town of San Anselmo for posting on their website.
Engineering	Provide signage at Project site throughout construction period.

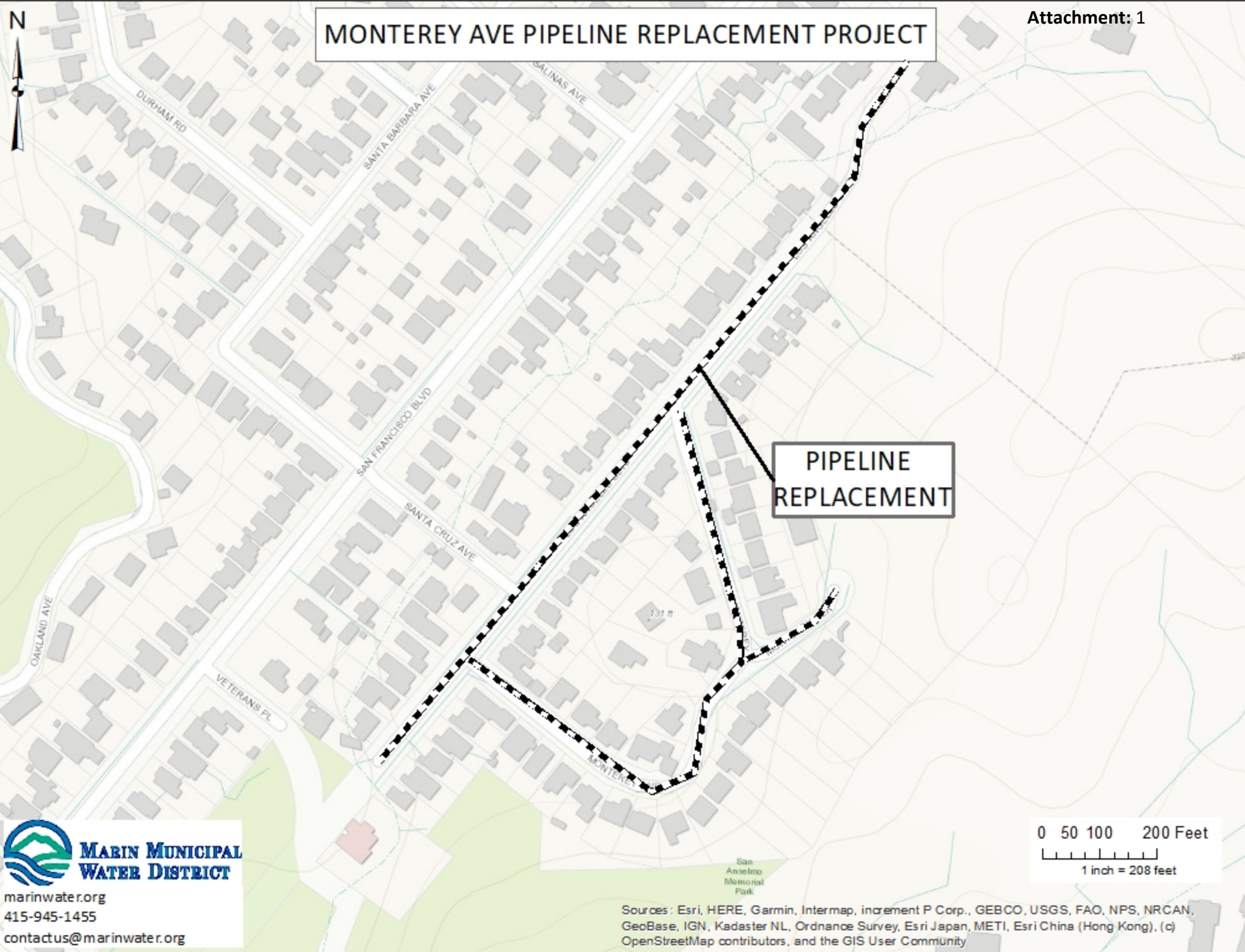
FISCAL IMPACT

The total cost to complete the Fire Flow Improvement Program Monterey Avenue Pipeline Replacement Project is estimated at \$2,420,000.

ATTACHMENT(S)

1. Site Map
2. Draft Notice of Exemption

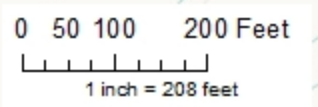
MONTEREY AVE PIPELINE REPLACEMENT PROJECT



PIPELINE
REPLACEMENT

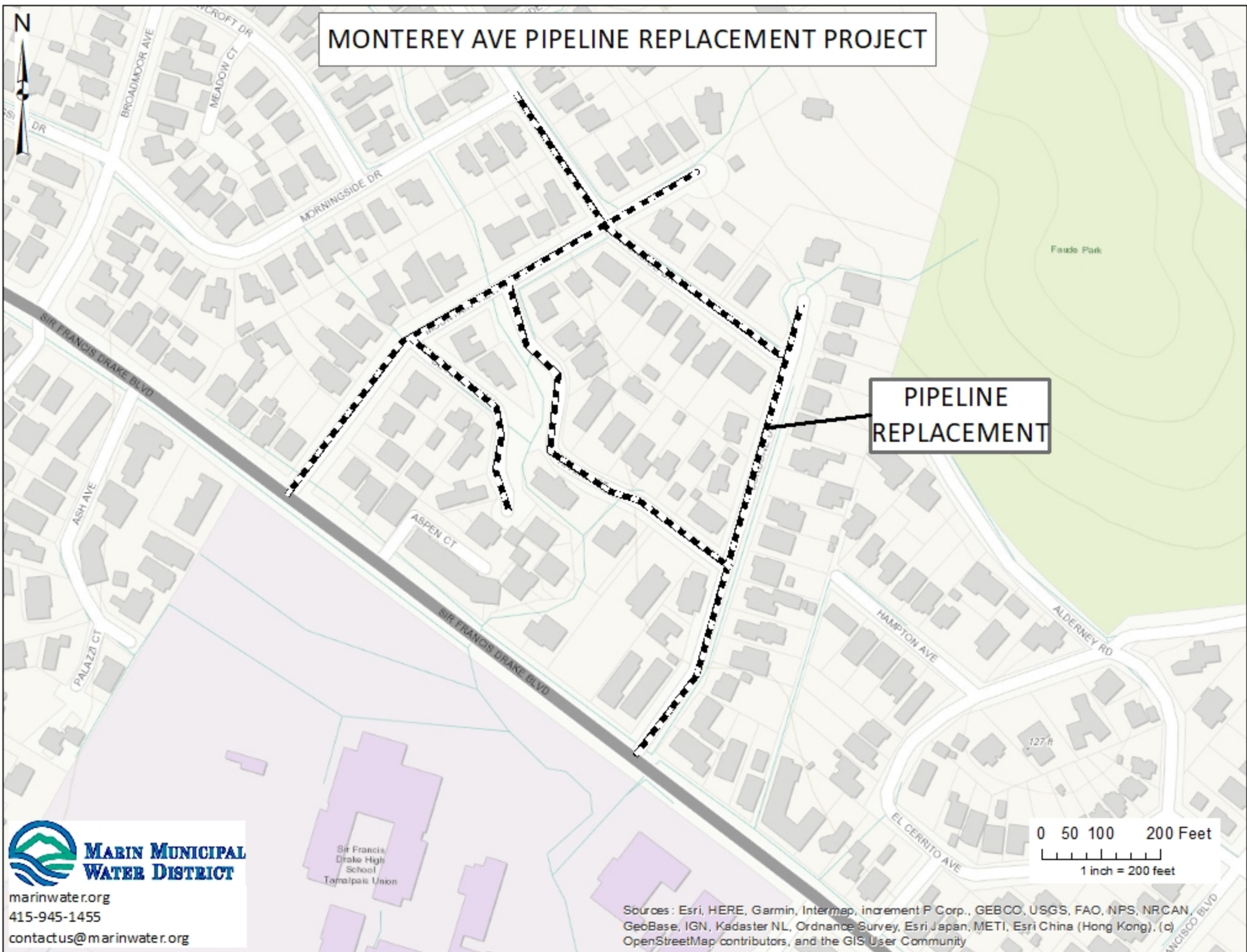


**MARIN MUNICIPAL
WATER DISTRICT**
marinwater.org
415-945-1455
contactus@marinwater.org



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

MONTEREY AVE PIPELINE REPLACEMENT PROJECT



PIPELINE REPLACEMENT

**MARIN MUNICIPAL WATER DISTRICT**
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contactus@marinwater.org

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Notice of Exemption

Item Number: 04
Attachment: 2



Filing Requested By and When Filed Return To:

Marin Municipal Water District
220 Nellen Ave
Corte Madera, CA 94925
Attn: Michael Ban, Director of Engineering

Project Title: Fire Flow Improvement Program Monterey Ave Pipeline Replacement Project (F18006)

Project Location : Town of San Anselmo

Project Location – County: Marin

Project Description: The project will install approximately 7,200 feet of 6-inch and 8-inch welded steel pipe to replace old, leak prone pipe in support of the District’s Fire Flow Improvement Program.

The roads involved are shown in Figure 1 and 2, and described in the table below:

Street	Length	Installation Date	Existing Size & Type
Mountain View Ave	1100 ft	1925	6” and 4” CIP
Beverley Way	550 ft	1925	4” CIP
Rivera Street	750 ft	1914	4” CIP
Brookside Dr.	700 ft	1925	8” and 4” CIP
Cordone Dr.	850 ft	1914	4” GTP
Los Angeles Blvd	1,750 ft	1947	6” and 4” CIP
Monterey Ave	1,300 ft	1947	4” CIP
Monterey Terrace	200 ft	1947	4” CIP

* CIP = cast iron pipe, GTP = galvanized threaded pipe

Public Agency Approving Project: Marin Municipal Water District

Name of Person or Agency Carrying Out Project: Marin Municipal Water District

CEQA Exemption Status: Categorical Exemption Section 15302(c), Replacement or Reconstruction.

Reason for Exemption: The project qualifies for exemption pursuant to Title 14, Section 15302(c) of the California Code of Regulations inasmuch as it is the replacement of existing water pipelines with negligible or no expansion of capacity.

Project Approval: The Marin Municipal Water District Board of Directors approved the award of a contract for project construction, which represents project approval as defined by Section 15352 of the Guidelines for Implementation of the California Environmental Quality Act, at their regularly scheduled meeting on June 15, 2021.

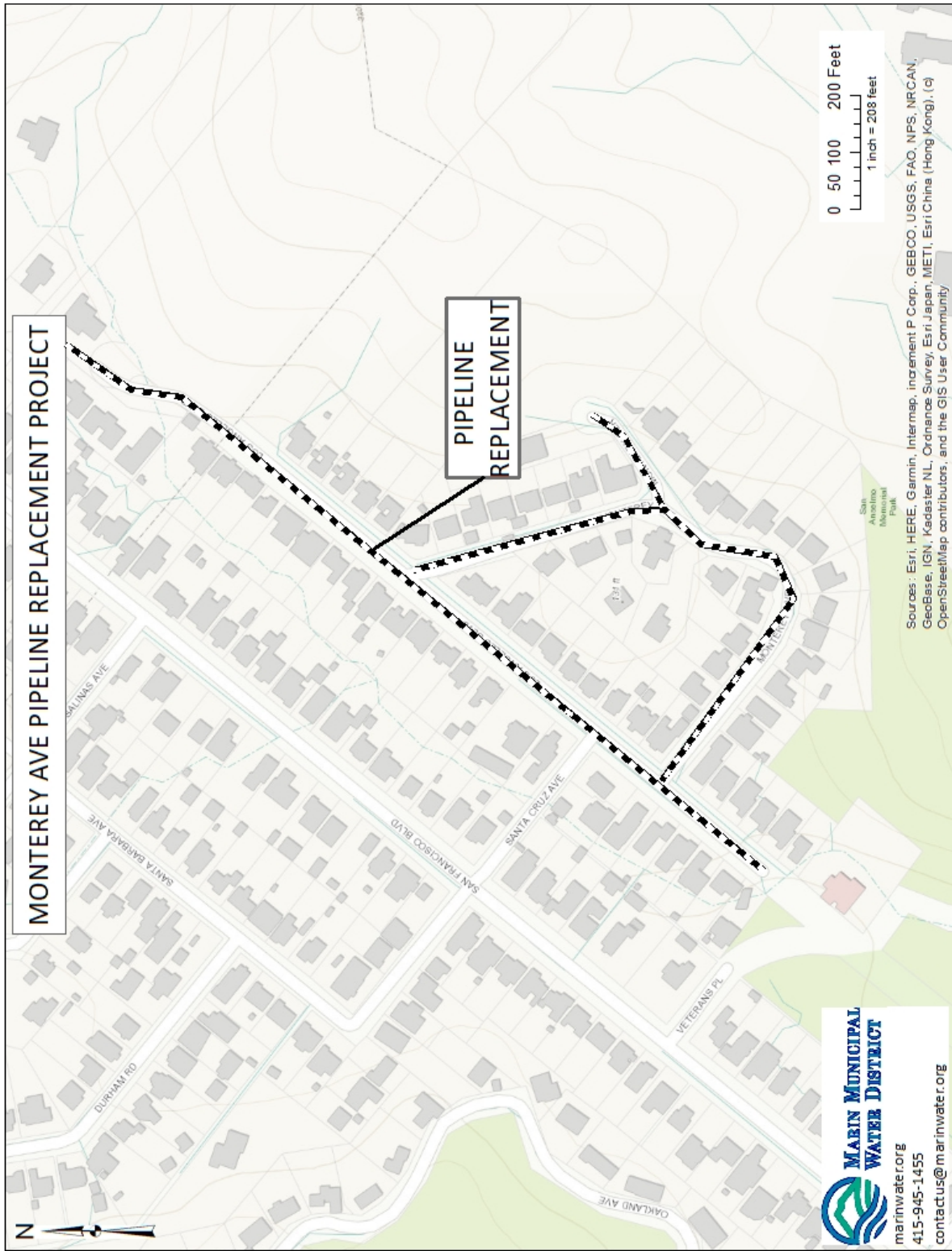
Lead Agency Contact Person: Michael Ban, Marin Municipal Water District

Telephone: (415) 945-1435

Michael Ban, Director of Engineering

Date

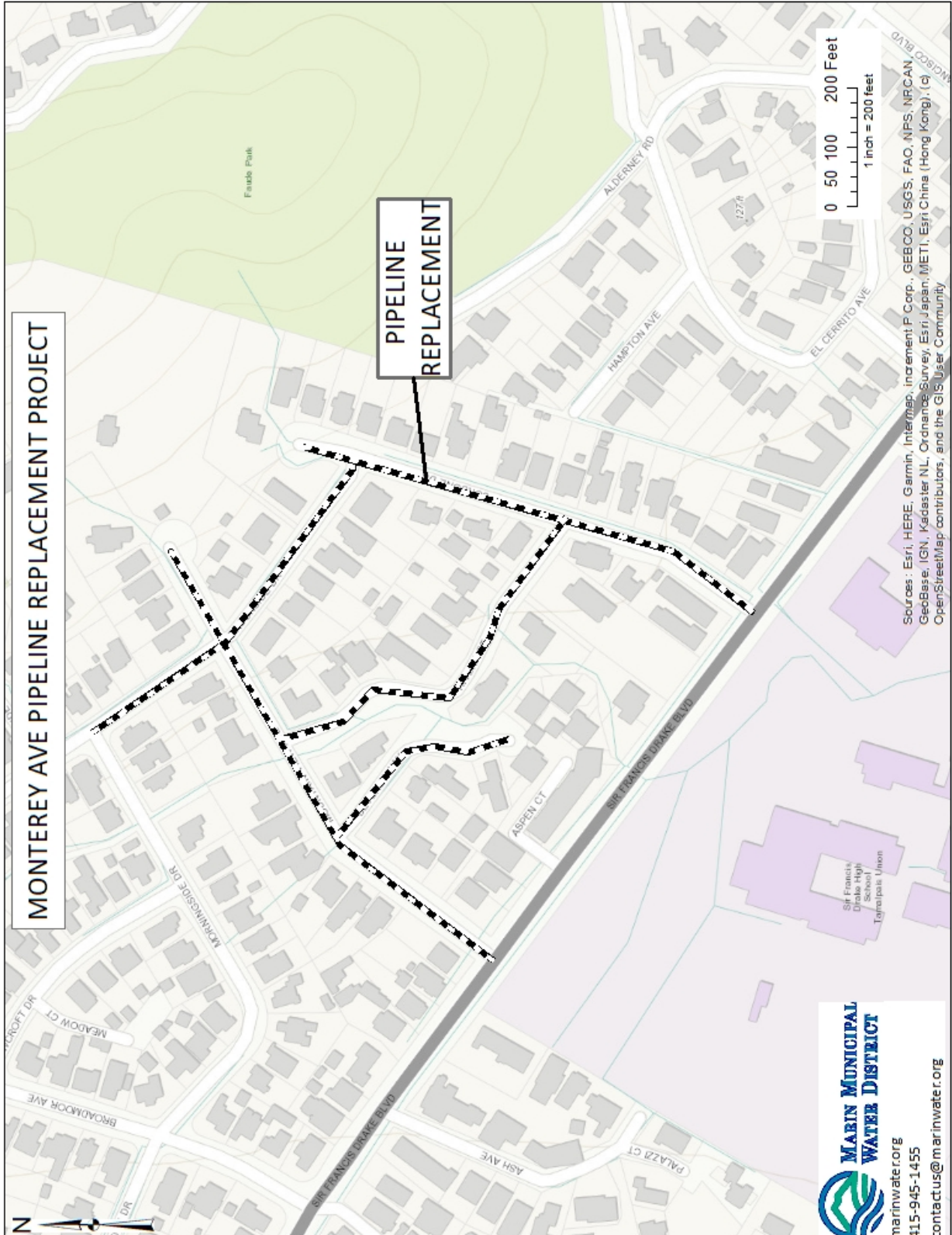
Figure 1: FFIP Monterey Ave Pipeline Replacement Project



SOURCE: MMWD 2021



Figure 2: FFIP Monterey Ave Pipeline Replacement Project



SOURCE: MMWD 2021





Item Number: 05
Meeting Date: 05-21-2021
Meeting: Operations
Committee/Board of Directors
(Operations)

Review and Refer for Board Approval

TO: Operations Committee/Board of Directors (Operations)

FROM: Michael Ban, Director of Engineering *MB*

THROUGH: Ben Horenstein, General Manager *BH*

DIVISION NAME: Engineering

ITEM: 2021 Corrosion Test Station Rehabilitation Project (D21020)

SUMMARY

The 2021 Corrosion Test Station Rehabilitation Project will install 121 new magnesium anodes at 105 corrosion test sites throughout the District to improve cathodic protection of the water distribution system.

DISCUSSION

The District has approximately 6,930 corrosion test stations throughout our distribution system, most of which utilize magnesium anodes, to prevent corrosion damage to the pipelines. These magnesium anodes extend the useful life of the pipelines by preventing leaks caused by corrosion. Magnesium anodes are gradually depleted over their service life as they provide a protective current to the pipeline system. The typical service life of magnesium anodes is 20 years. Once an anode is depleted, it needs to be replaced in order to maintain the effectiveness of the cathodic protection system. Maintaining the operation of cathodic protection system is a cost-effective means of preventing premature failure and/or replacement of pipelines in the system.

The District has been routinely replacing depleted anodes on an annual basis for over thirty years. The average amount replaced each year is approximately 120. Anodes needing replacement are determined by the District's Corrosion Control Technicians when performing system testing and maintenance, and are based on pipe-to-soil readings and current output readings. Estimated costs for this project are shown below.

Budget:

Engineer's Estimate:	\$91,000
Contingency:	\$ 9,000
Materials:	\$16,000

District Labor/Inspection: \$34,000
Total Budget: \$150,000
Budget Category: A1A01

Project Implementation:

Project Advertisement: May 04, 2021
Bid Opening: May 18, 2021
Project Award: June 15, 2021
Estimated Completion Date: October 1, 2021
Duration: 108 days

If forwarded by this Committee, this item will be brought to a regular bi-weekly Board meeting for approval.

ENVIRONMENTAL REVIEW

The Manager of Environmental and Engineering Services has determined that the Project is Categorically Exempt pursuant to California Environmental Quality Act (CEQA) Guidelines Section 15301(b), Existing Facilities. The Project qualifies for exemption pursuant to Section 15301(b) inasmuch as the project is a maintenance activity of existing water facilities. A copy of the draft Notice of Exemption is enclosed as Attachment 1.

Department	Action
Public Information	Issue news release to local media (print and online outlets).
Public Information	Post on MMWD website.

FISCAL IMPACT

The total cost to complete the 2021 Corrosion Test Station Rehabilitation Project is estimated at \$150,000.

ATTACHMENT(S)

1. Draft Notice of Exemption

Notice of Exemption

Item Number: 05
Attachment: 1



Filing Requested By and When Filed Return To:

Marin Municipal Water District
220 Nellen Ave
Corte Madera, CA 94925
Attn: Michael Ban, Director of Engineering

Project Title: 2021 Corrosion Test Station Rehabilitation Project (D21020)

Project Location – City: Multiple Locations

Project Location – County: Marin

Project Description: The District has approximately 6,930 corrosion test stations. Most of these corrosion test stations utilize magnesium anodes to prevent corrosion damage to District pipelines, thereby extending the useful life of the pipelines and preventing leaks. The typical service life of magnesium anodes is 20 years. Magnesium anodes gradually degrade over their service life as they provide protective current to the pipeline or structure. Once an anode is depleted, it needs to be replaced in order to maintain effectiveness of the cathodic protection system. Maintaining the operation of cathodic protection systems is a cost-effective means of preventing premature pipeline failure and/or replacement. The District has been replacing depleted anodes on an annual basis for over thirty years.

Public Agency Approving Project: Marin Municipal Water District

Name of Person or Agency Carrying Out Project: Marin Municipal Water District

CEQA Exemption Status: Categorical Exemption Section 15301(b), Existing Facilities

Reason for Exemption: The project qualifies for exemption pursuant to Section 15301(b) of the CEQA Guidelines inasmuch as the project is a maintenance activity of existing water facilities.

Project Approval: The Marin Municipal Water District Board of Directors approved the award of a contract for project construction, which represents project approval as defined by Section 15352 of the Guidelines for Implementation of the California Environmental Quality Act, at their regularly scheduled meeting on June 15, 2021.

Lead Agency Contact Person: Michael Ban, Marin Municipal Water District **Telephone:** (415) 945-1435

Michael Ban, Director of Engineering

Date



Item Number: 06
Meeting Date: 05-21-2021
Meeting: Operations
Committee/Board of Directors
(Operations)

Review and Refer for Board Approval

TO: Operations Committee/ Board of Directors (Operations)

FROM: Crystal Yezman, Director, Director of System Maintenance & Natural Resources *CY*

THROUGH: Ben Horenstein, General Manager *BH*

DIVISION NAME: Facilities and Watershed Division

ITEM: Award of Contract No. 1948 for Fuelbreak Maintenance and Invasive Plant Management

SUMMARY

On May, 2021, the District released a notice inviting bidders to submit proposals for a two-year Fuelbreak Maintenance and Invasive Plant Management contract. The bid processes is scheduled to close on May 28, 2021 at which time the District will select the lowest responsible bidder to award the contract to. Staff is requesting that the Operations Committee review and refer this item to a future regular meeting of the Board of Directors to award Contract No. 1948 to the lowest responsible bidder and authorize the General Manager to execute any and all future amendments to the contract, in an amount not to exceed 10% of the total contract amount.

DISCUSSION

In October of 2019, the District adopted the Biodiversity, Fire, and Fuels Integrated Plan (BFFIP) which describes the actions the District will implement to reduce wildfire hazards and to maintain and enhance ecosystem function. Under the BFFIP there are 27 management actions that are being implemented to fulfill the goals and approach described in the BFFIP. Vegetation management under the BFFIP aims to reduce fuel loads, maintain fuelbreak infrastructure, preserve defensible space, reduce invasive weed species and enhance biodiversity. Vegetation management is conducted continuously throughout the year with the primary goal of reducing fuel loads and maintaining the watershed's biological diversity. This contract will support the scaling up of fuel reduction work, fuelbreak maintenance, invasive plant management, and native plant restoration on the Mt. Tamalpais watershed, which is necessary to reduce wildfire fuel issues and enhance native plant species.

The District has used similar contractors over the years to support fuelbreak maintenance, invasive plant management, and forestry restoration work. The current contract for Fuelbreak

Maintenance has been extended for two additional years per the contract terms and is set to expire in July 2021. This new contract will give the District contractor capacity to carry out hand work vegetation management for fuelbreak maintenance and construction, removal of Douglas fir encroaching into sensitive habitats, manual removal of invasive plants, and support native plant restoration work.

The initial term of Contract No. 1948 will be two years. However, in accordance with Section 1000, Paragraph 1.5 of Contract No. 1948, "The district has the option to extend this contract in one (1) year increments for an additional two years". This will allow the District to annually exercise an option to extend the contract to continue work during the two years following the initial term for a total contract term of up to four-years.

Staff is requesting that the Operations Committee review and refer this item to a future regular meeting of the Board of Directors to award of Contract No. 1948 to the lowest responsible bidder and authorize the General Manager to execute any and all future amendments to the contract, in an amount not to exceed 10% of the total contract amount.

Proposal Selection Process

On May 12, 2021, the District released a notice inviting bidders to submit proposals for a two-year forestry contract. The notice was published in the local paper and posted on the District's external bid posting website to inform contractors of the opportunity. Sealed bids will be received by the district on May 28th, 2021 and the lowest responsible bidder will be identified.

FISCAL IMPACT

For FY 2022 there is \$1,125,000 and for FY 2023 there is \$1,170,000 budgeted in the Capital Budget A1E07 for implementation of the BFFIP, which will fund implementation of fuelbreak maintenance and construction, fuel load reduction, Douglas fir management, invasive plant management, and native plant restoration work on the watershed.

ATTACHMENT(S)

None



Item Number: 07
Meeting Date: 05-21-2021
Meeting: Operations
Committee/Board of Directors
(Operations)

Review and Refer for Board Approval

TO: Operations Committee/Board of Directors (Operations)

FROM: Crystal Yezman, Director of System Maintenance & Natural Resources *CY*

THROUGH: Ben Horenstein, General Manager *BH*

DIVISION NAME: Facilities and Watershed Division

ITEM: First Amendment to Contract No. 1875 with West Coast Arborists, Inc. for Tree Maintenance

SUMMARY

On May 1, 2018, the Board of Directors approved a three-year contract with West Coast Arborists for tree maintenance at various District sites and on watershed lands. The contract included options to extend the term of the contract in one (1) year increments for up to an additional two years. Staff recommends that the Operations Committee review and refer this item to a future regular meeting of the Board of Directors with the Committee's recommendation to authorize the General Manager to execute the First Amendment to Contract No. 1875, exercising an option to extend the term of the contract for one additional year, in an amount not to exceed \$243,756.

DISCUSSION

In October of 2019, the District adopted the Biodiversity, Fire, and Fuels Integrated Plan (BFFIP) which outlines the actions the District will implement to reduce wildfire hazards and to maintain and enhance ecosystem function. Under the BFFIP there are 27 management actions that are being implemented to fulfill the goals and approach described in the BFFIP. Vegetation management under the BFFIP aims to reduce fuel loads, maintain fuelbreak infrastructure, preserve defensible space, reduce invasive weed species, manage hazardous trees and enhance biodiversity. Vegetation management is conducted continuously throughout the year with the primary goal of reducing fuel loads and maintaining the watershed's biological diversity. This contract will support the scaling up of fuel reduction work, forestry restoration, and hazardous tree management, which is necessary to reduce wildfire fuel issues and enhance native plants.

The Facilities Maintenance Department coordinates tree maintenance work at all tank and pump sites on an as-needed basis. A District arborist continually visits sites and assesses trees for disease and safety risk factors. The arborist is responsible for prioritizing pruning and removal of trees when needed. The District's goal is to remove all dead, diseased and

hazardous trees as soon as they are identified to ensure public safety and reduce potential fire risks. Hazardous trees are also regularly inventoried by Watershed Maintenance Staff and prioritized based on proximity to critical facilities and the immediacy of the potential risk. The probability of a hazard tree impacting a target such as a building, power or communication line, visitor use facility or road is evaluated during each inventory. Identified trees are most often structurally unsound and may be pest infested diseased, storm damaged, pose a fire risk or are otherwise in decline. These are often large diameter trees that require climbing, boom trucks and cranes to address.

Staff recommends that the Operations Committee review and refer this item to a future regular meeting of the Board of Directors with the Committee's recommendation to authorize the General Manager to execute the First Amendment to Contract No. 1875, exercising an option to extend the term of the contract for one additional year, in an amount not to exceed \$243,756.

FISCAL IMPACT

Recognizing the risk of fire hazards from invasive species, forest disease, and climate change, the Board approved additional funding for vegetation management beginning in fiscal year 2018/2019. Funding for the work under this contract is budgeted in the preliminary FY 2022 budget as an operating expenditure under the Facilities Maintenance Department (6230-6410). For vegetation management occurring on the watershed under the BFFIP for FY 2022 there is currently \$1,125,000 in the Capital Budget A1E07 to cover contractor costs.

ATTACHMENT(S)

1. Draft First Amendment to Contract No. 1875

**AMENDMENT NO. 1 TO TREE MAINTENANCE
CONTRACT BETWEEN MARIN MUNICIPAL WATER
DISTRICT and WEST COAST ARBORISTS, INC.
(CONTRACT NO. 1875)**

This Contract Amendment ("Amendment No. 1") is entered into by and between Marin Municipal Water District ("District") and West Coast Arborists, Inc. ("Contractor"). For good and valuable consideration the receipt and adequacy of which is hereby acknowledged, the parties hereto agree as follows:

Section 1. Recitals:

- A. On May 1, 2018, the District and the Contractor entered into Contract No. 1875 for Tree Maintenance Services ("Contract") for a period of three years.
- B. The Contract contains an option for the District to extend the term in one year increments for up to an additional two years. On June 30, 2021, the current Contract will expire.
- C. At this time, the Parties desire to execute an amendment ("Amendment No. 1") to the Contract to extend the services of Contractor for a term of one additional year, until June 30, 2022, with a District option to extend the term of the Contract for one subsequent year.
- D. The Contract and this Amendment No. 1 shall be referred to herein as "Agreement" and shall constitute the complete agreement of the Parties..

Section 2. Terms:

- A. Amendment to Contract: This Amendment No. 1 modifies the Contract. Except for the modifications contained herein, all the terms of the Contract shall apply.
- B. Terms:
 - 1. Special Provisions Part 1-General-Paragraph 1.5 entitled "CONTRACT COMPLETION DATE" is amended to read as follows:

This Agreement shall commence on July 1, 2021 and terminate on June 30, 2022 unless otherwise terminated pursuant to Article 46 of the standard specifications.
 - 2. The unit pricing for the term of this Agreement shall be that set forth in Attachment A which is hereby incorporated by this reference. The total amount payable to Contractor under this Agreement shall not exceed \$243,756.

Executed by the parties as follows:

West Coast Arborists, Inc.

Dated: _____

By: _____

_____, President

Marin Municipal Water District

Dated: _____

By: _____

Bennett Horenstein, General Manager